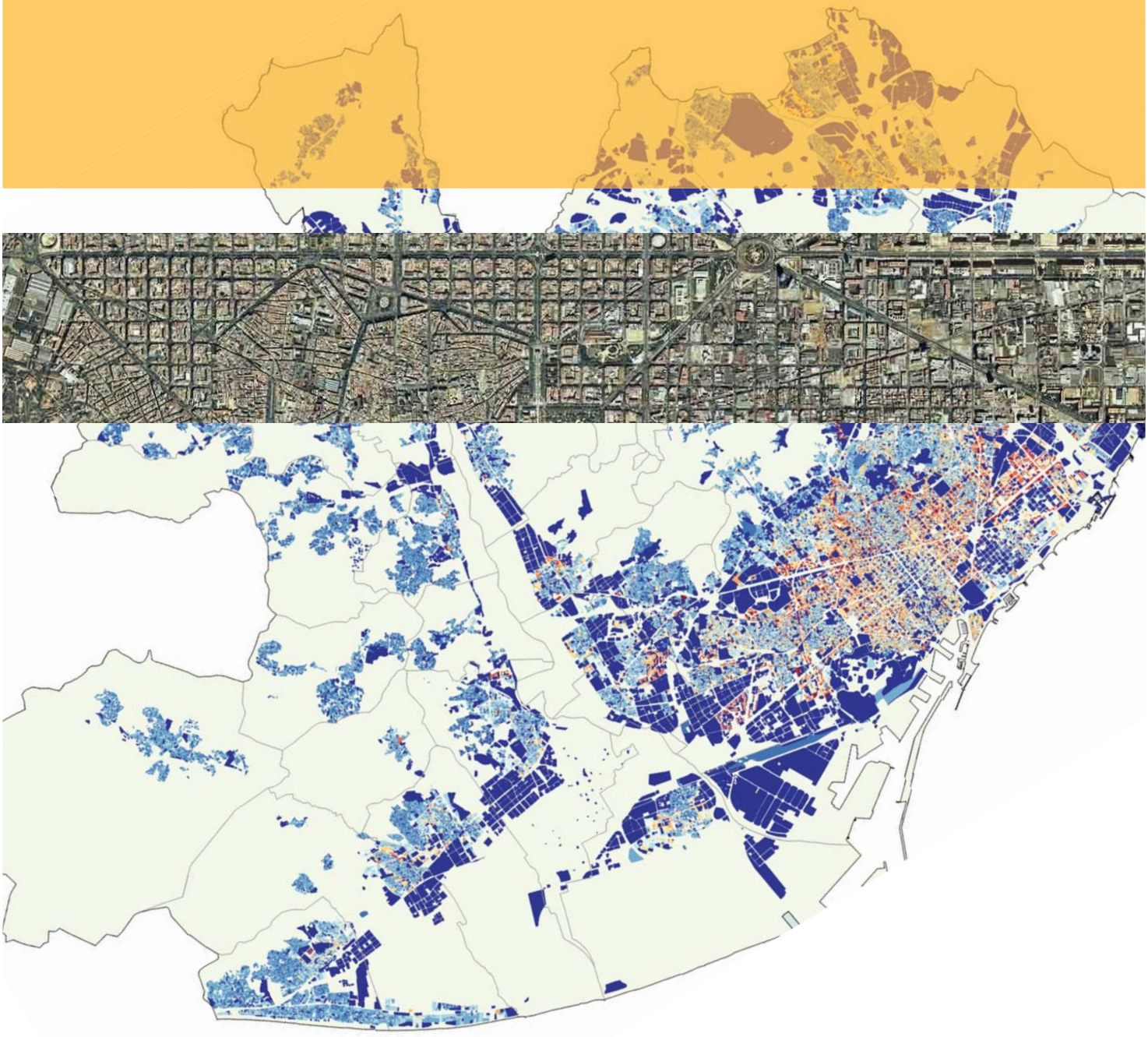
PSAMB 2014-2020

ANÀLISI DELS TEIXITS URBANS DE L'AMB

ANNEXOS



BR
BARCELONA REGIONAL
AGÈNCIA DESENVOLUPAMENT URBÀ

AMB Àrea Metropolitana de Barcelona

Treball elaborat:

Direcció de Serveis Ambientals de l'AMB

AMB Medi Ambient

Direcció:

Direcció de Serveis Ambientals de l'AMB - Barcelona Regional

AMB Medi Ambient

BR BARCELONA REGIONAL

Redacció:

Barcelona Regional

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AMB Àrea Metropolitana de Barcelona

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i l'equip tècnic i administratiu de Barcelona Regional

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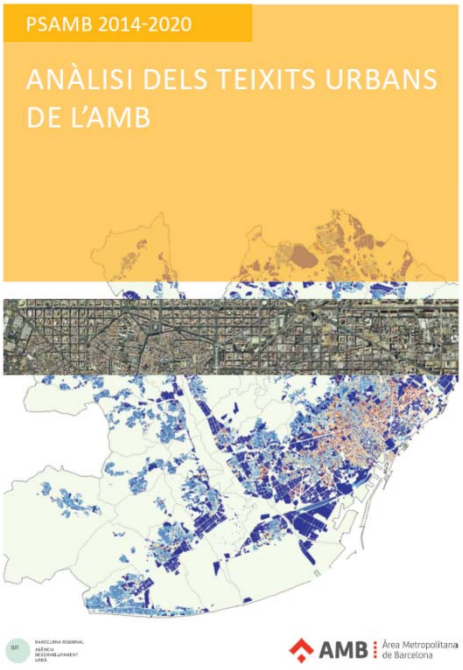
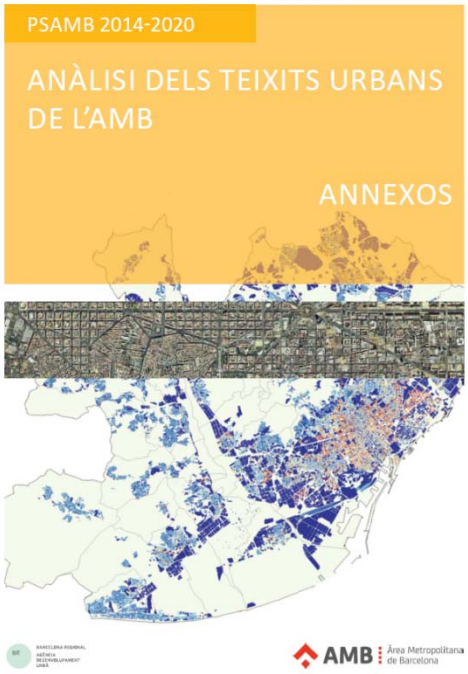
Aquest annex forma part del document principal d'**ANÀLISI DELS TEIXITS URBANS DE L'ÀREA METROPOLITANA DE BARCELONA**. En aquest annex s'incorporen els anàlisi estadístics de manera individual per cadascun dels municipis de l'ÀMB.





1. SSRE [SUPERFÍCIE CONSTRUÏDA SOBRE RASANT PER EDIFICI]

El valor de la mitjana d'aquest indicador és de 386 m^2/edifici, tot i que si es fa el càlcul de la mitja aritmètica simple surt un edifici mig de 1.117 m^2/per edifici (214.394.404 de m^2 totals construïts entre 191.967 edificis i construccions). Cal tenir en compte que si la distribució de la mostra no és uniforme la mitja aritmètica simple pot donar resultats desviats, per tant és un valor més precís el de la mitjana si està calculat amb tots els registres de la mostra.

En aquest sentit la mitjana dels edificis de l'AMB és de 386 m^2/edifici (només considerant la superfície sobre rasant i sense tenir en compte els edificis o construccions de menys de 1 m^2 de superfície sobre rasant).

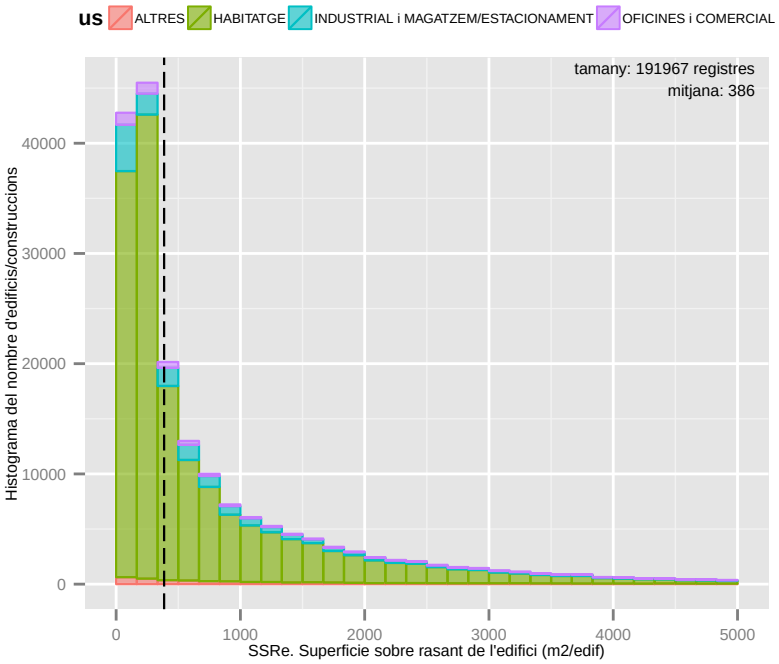
Cal tenir en compte que la unitat d'edifici o construcció vindrà donat en com estan registrats els edificis en el registre Cadastral, ja que es poden donar casos d'un únic registre per un complex d'edificis.

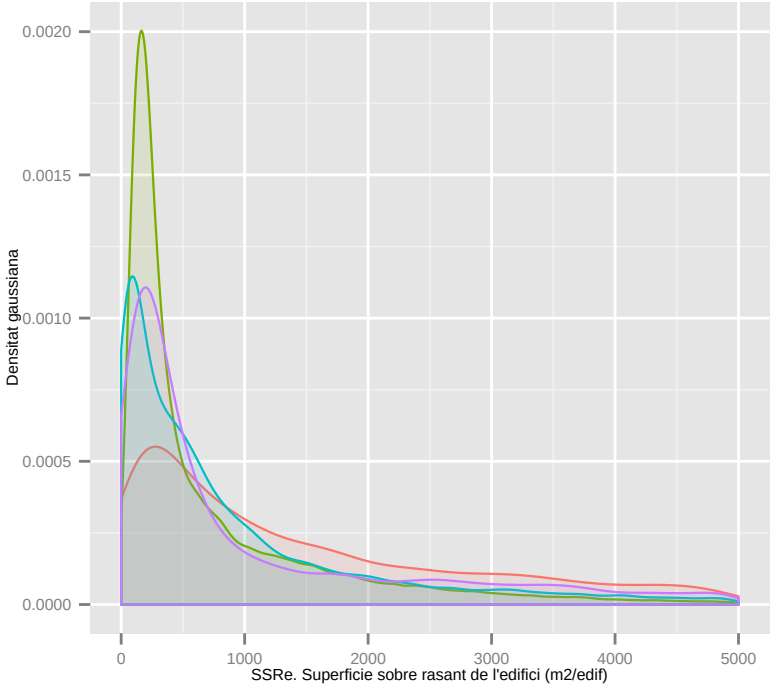
Observant el valor del SSRe segons els diferents municipis es pot observar com Badia del Vallès mostra el valor més alt amb 2.196 m^2 de SSRe, seguit de molt lluny per Barcelona (771 m^2/edifici), L'Hospitalet de Llobregat (606 m^2/edif) i Sant Adrià de Besòs (546 m^2/edif). En l'altre extrem es situen Corbera de Llobregat (167 m^2/edif), Torrelles de Llobregat (184m^2/edif) o Cervelló (186 m^2/edif) entre d'altres.

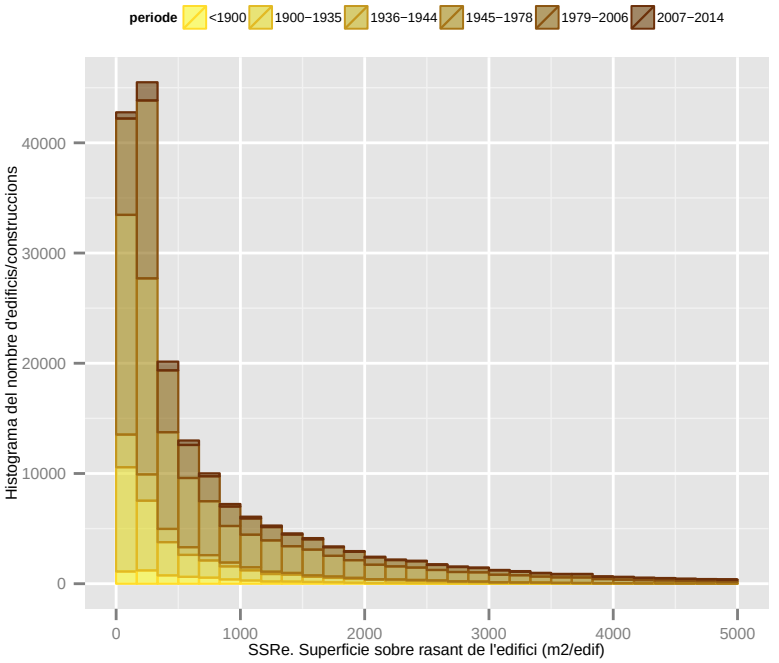
Incidència en el consum d'energia:

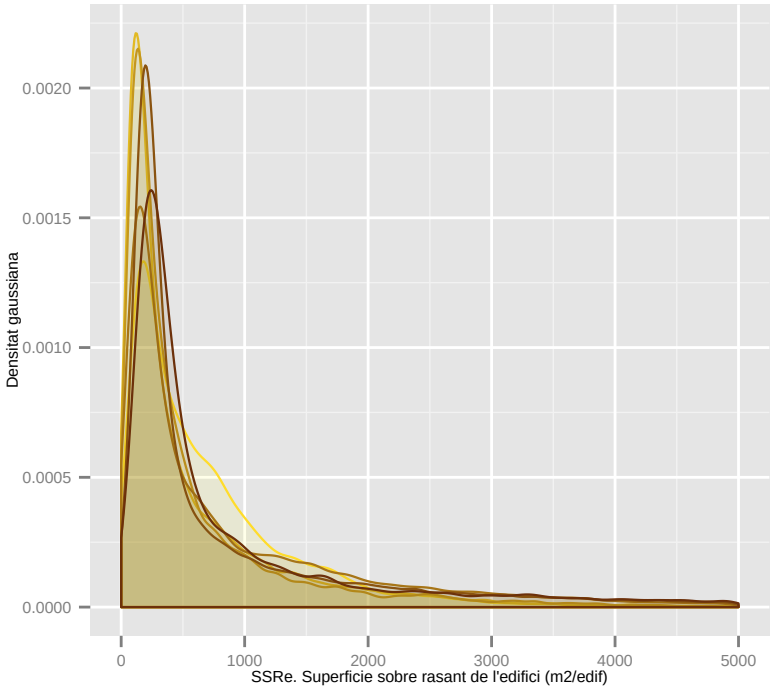
Per norma general els edificis més petits tenen major superfície de façana per unitat de sostre sobre rasant, fet que implica que siguin edificis més exposats als elements exteriors com la temperatura exterior, vent i radiació solar i per tant acostumen a tenir major risc de pèrdues o guanys de temperatura interior en funció de l'època de l'any. Per altra banda edificis amb major nombre de vivendes (i per tant més compactes) acostumen a ser més eficients des del punt de vista del consum en calefacció/refrigeració.

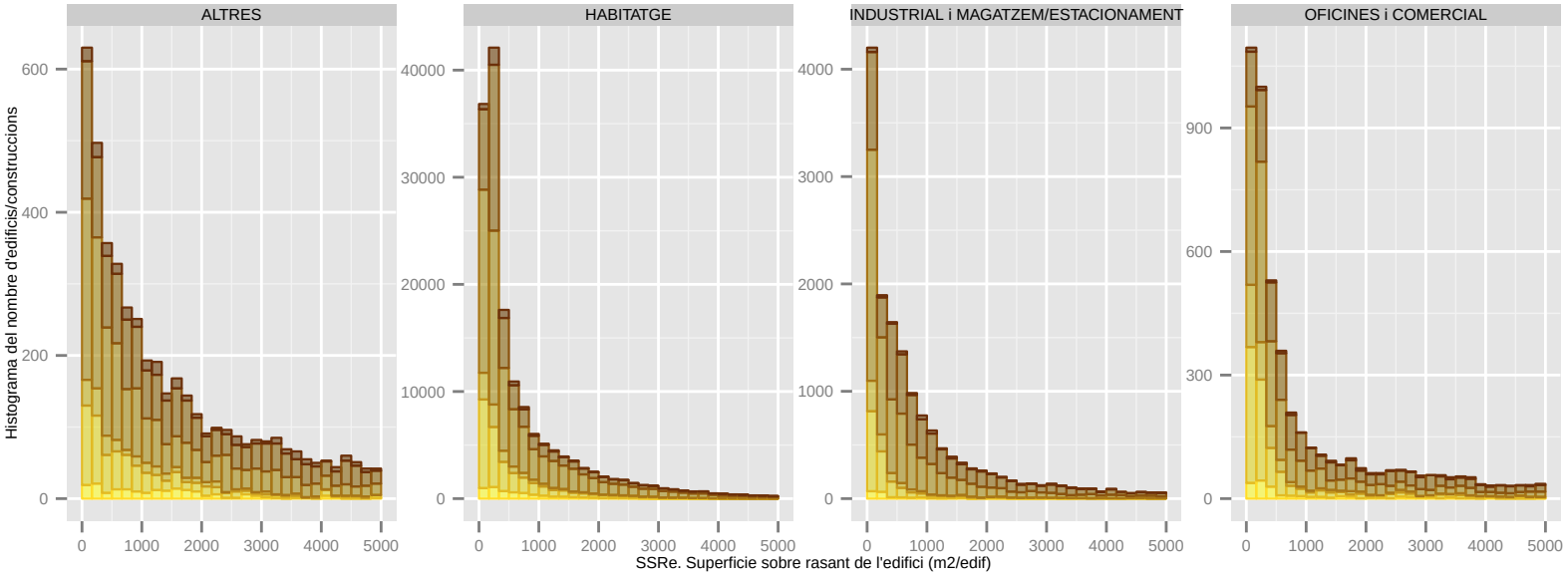
SSRe. Superficie sobre rasant de l'edifici (m2/edif): AMB





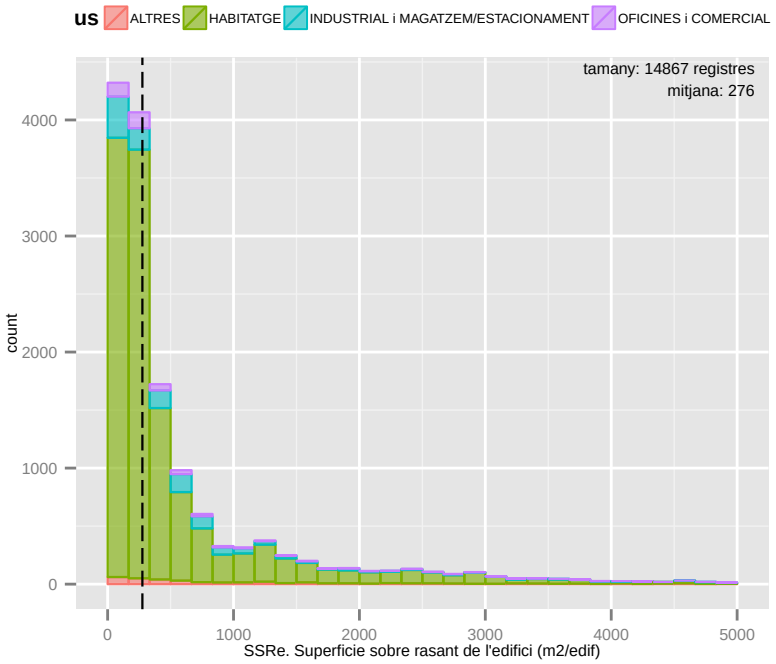


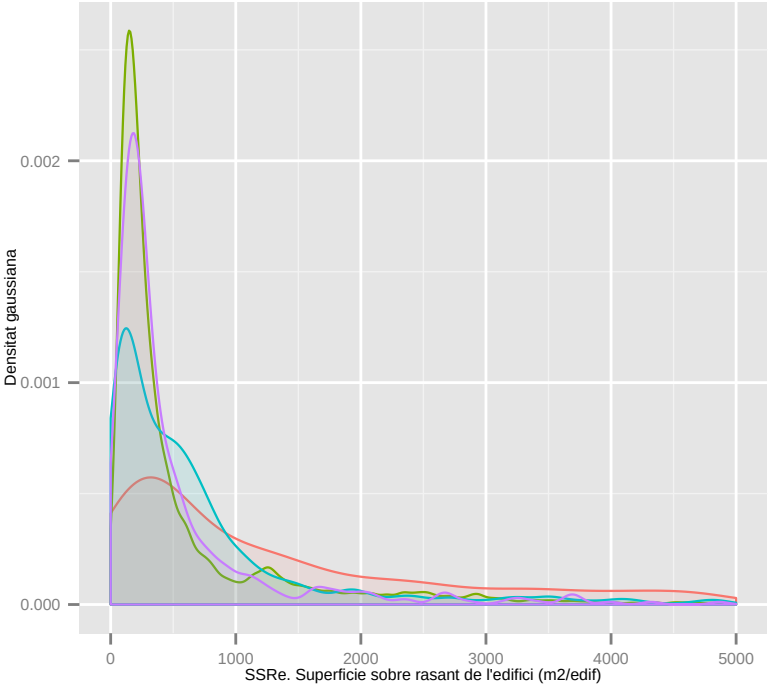


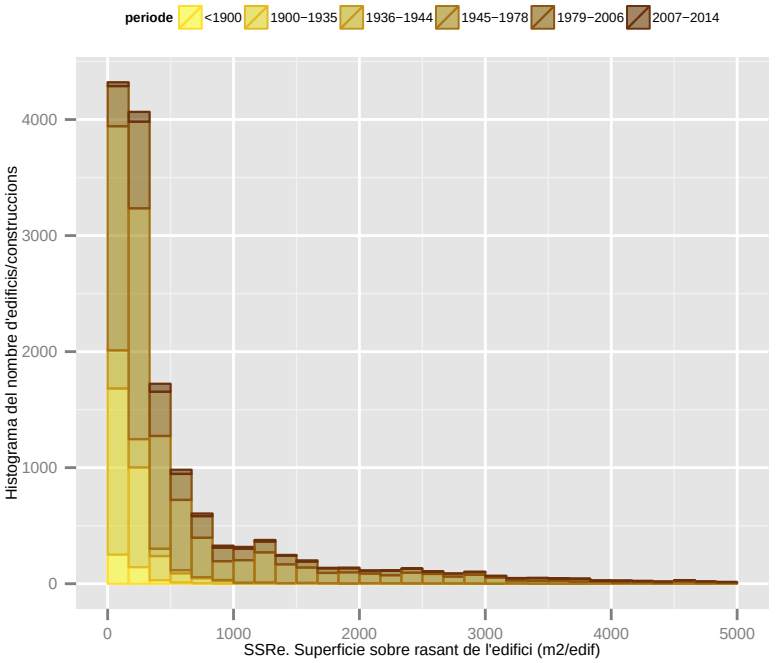


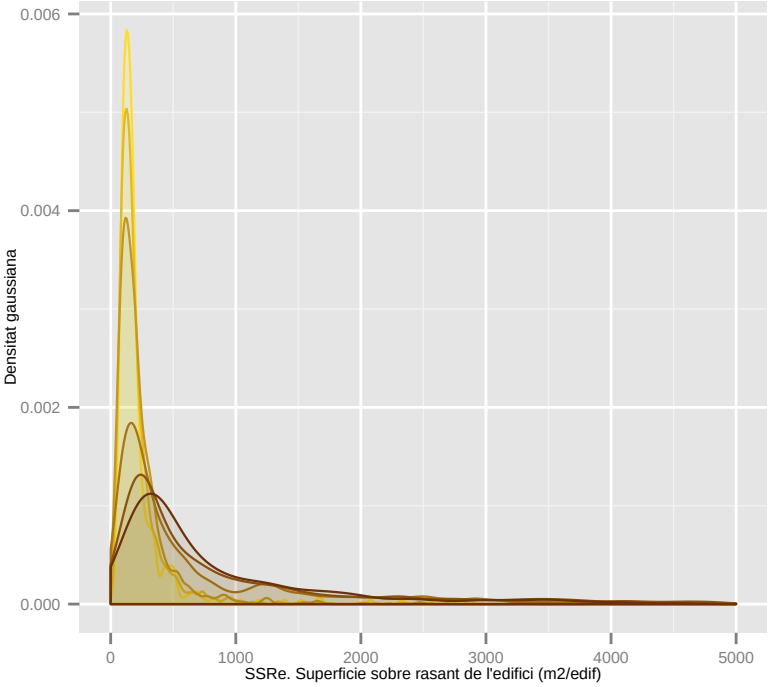
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

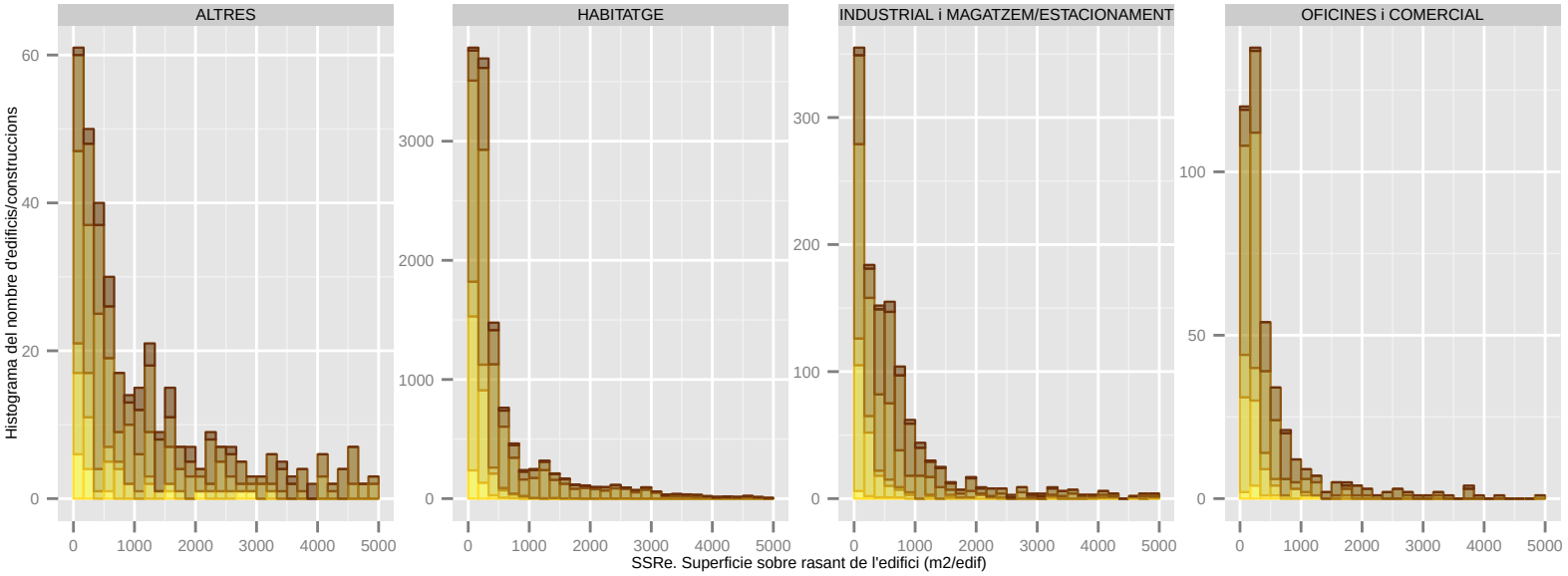
SSRe. Superficie sobre rasant de l'edifici (m2/edif): BADALONA











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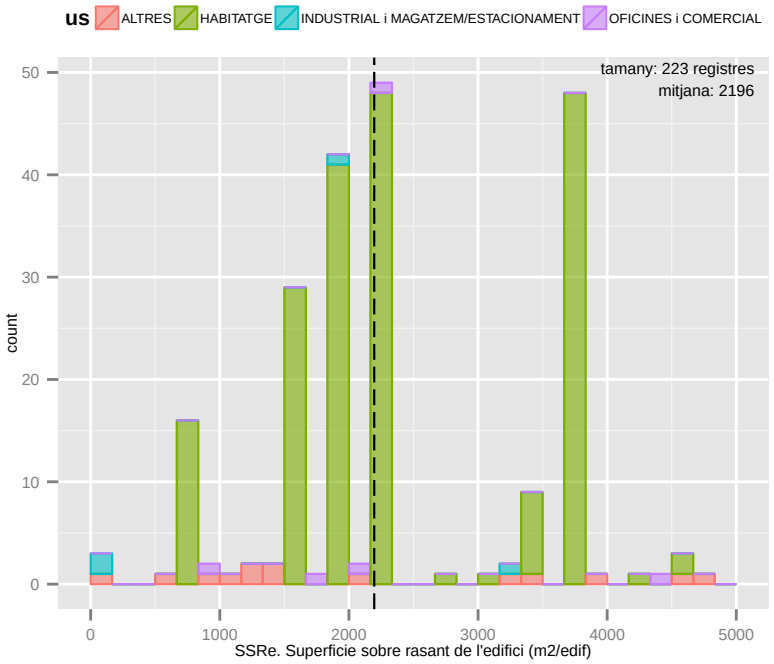
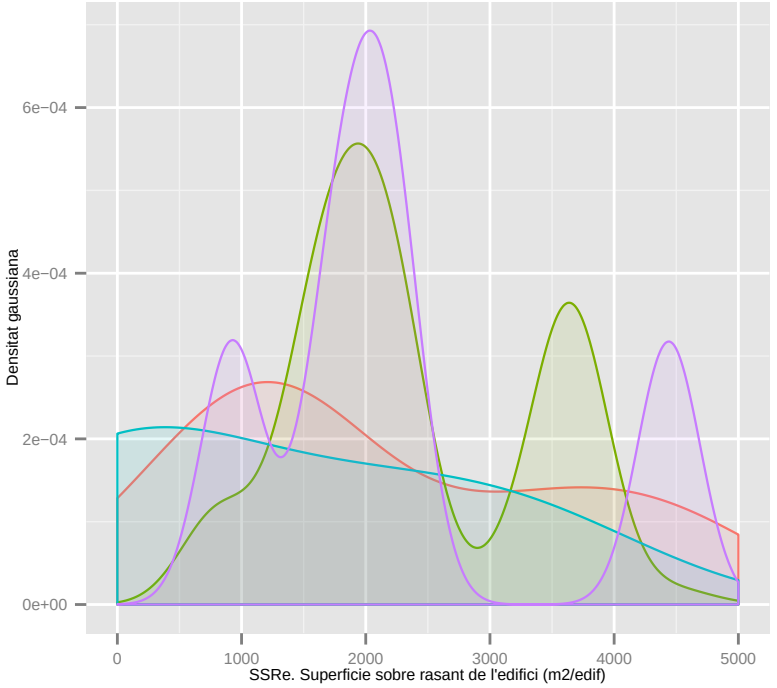
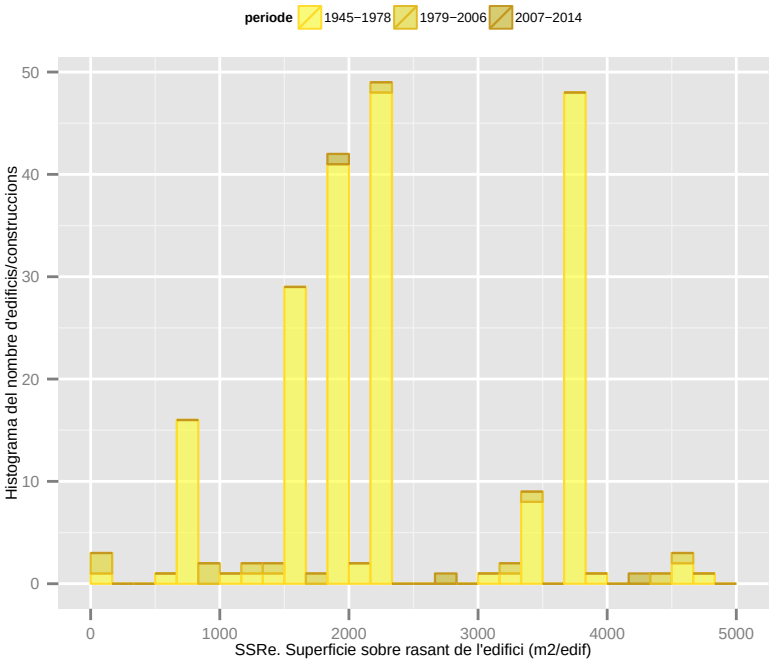
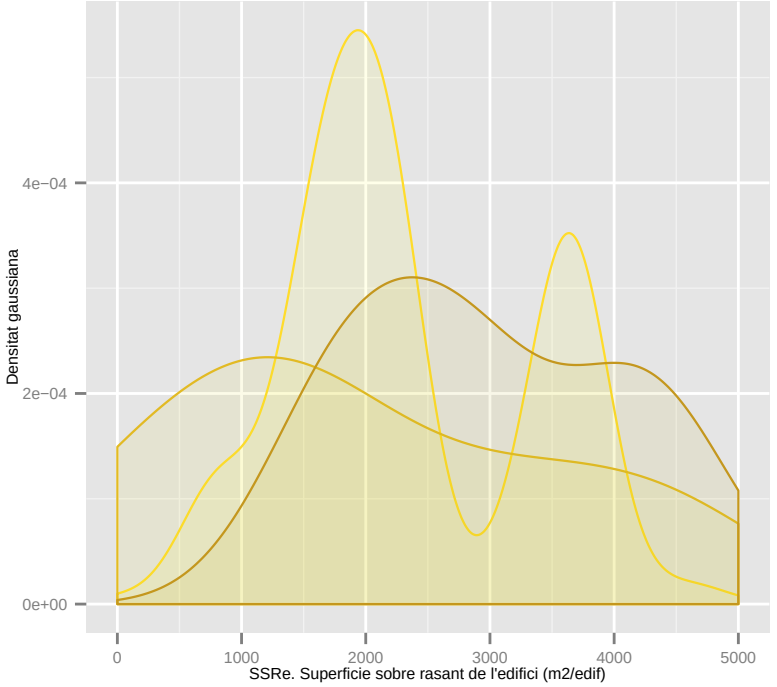
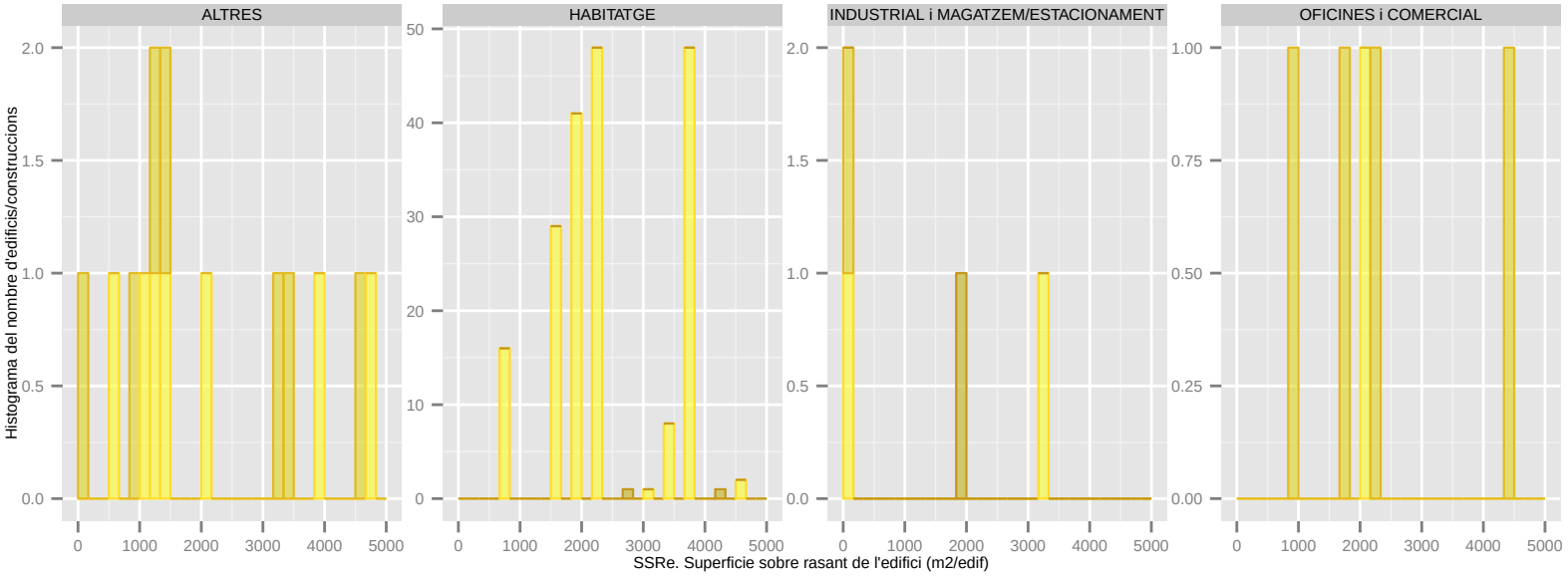




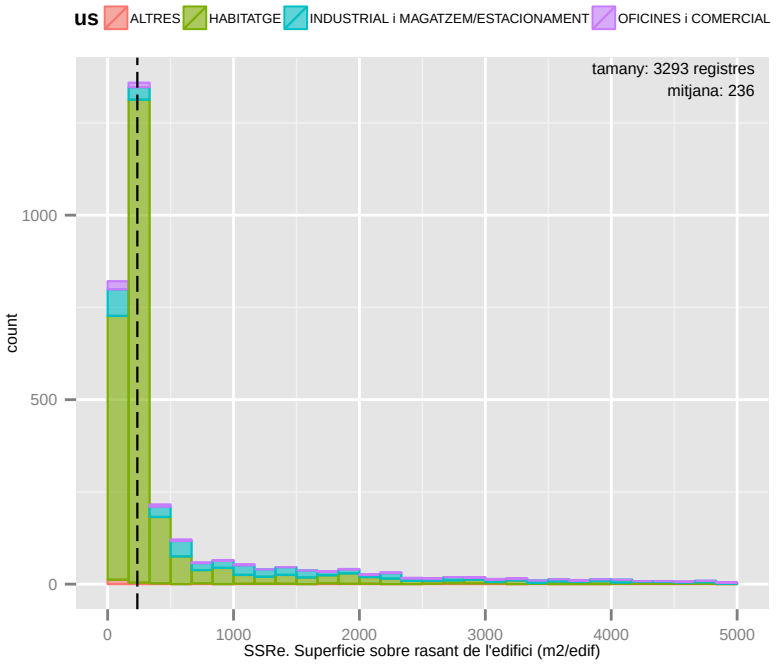


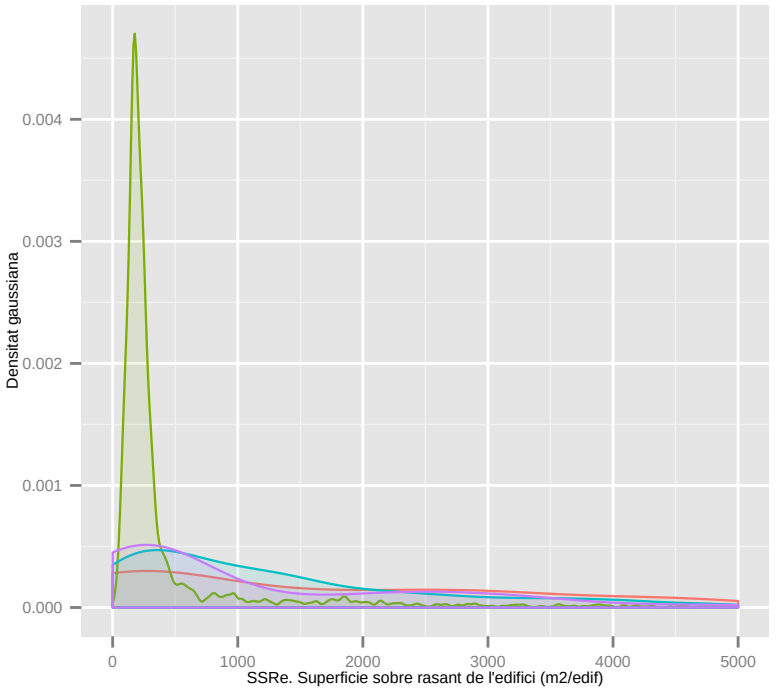


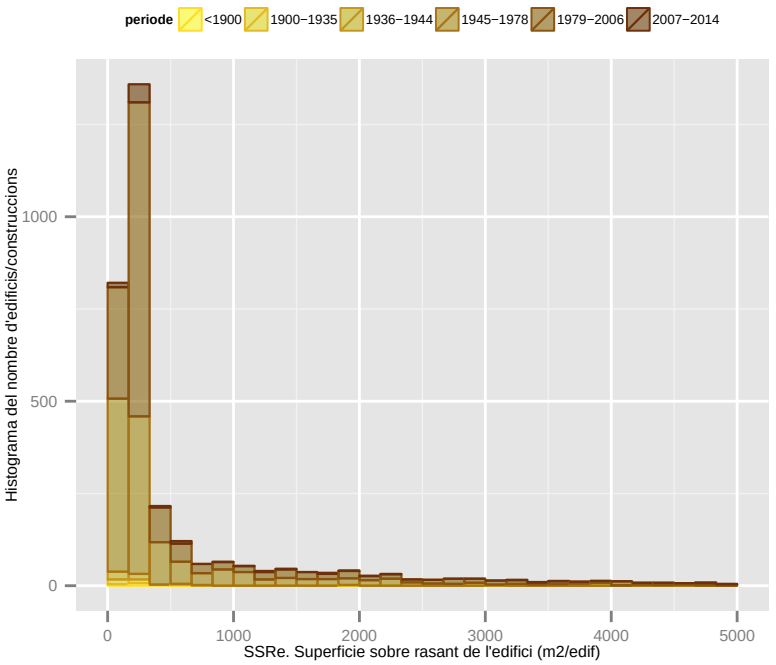


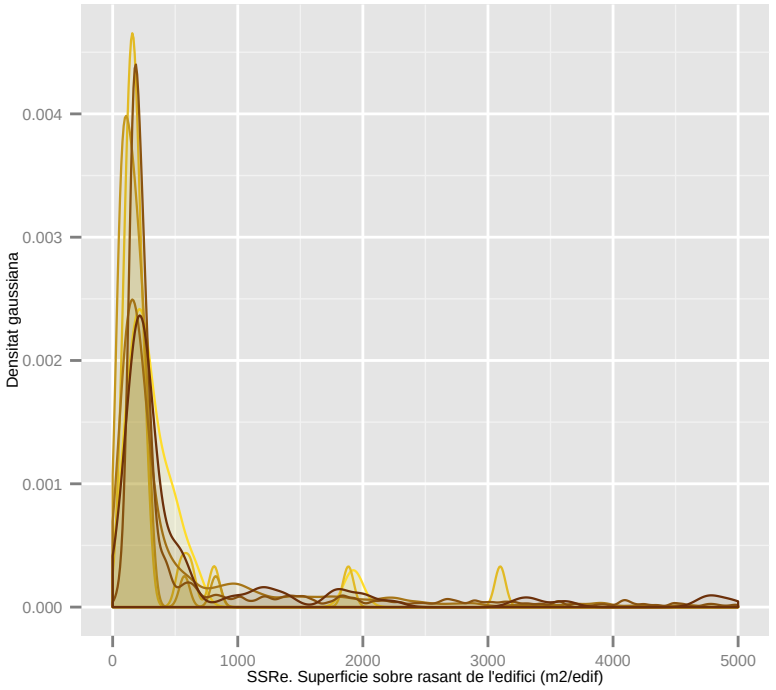
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

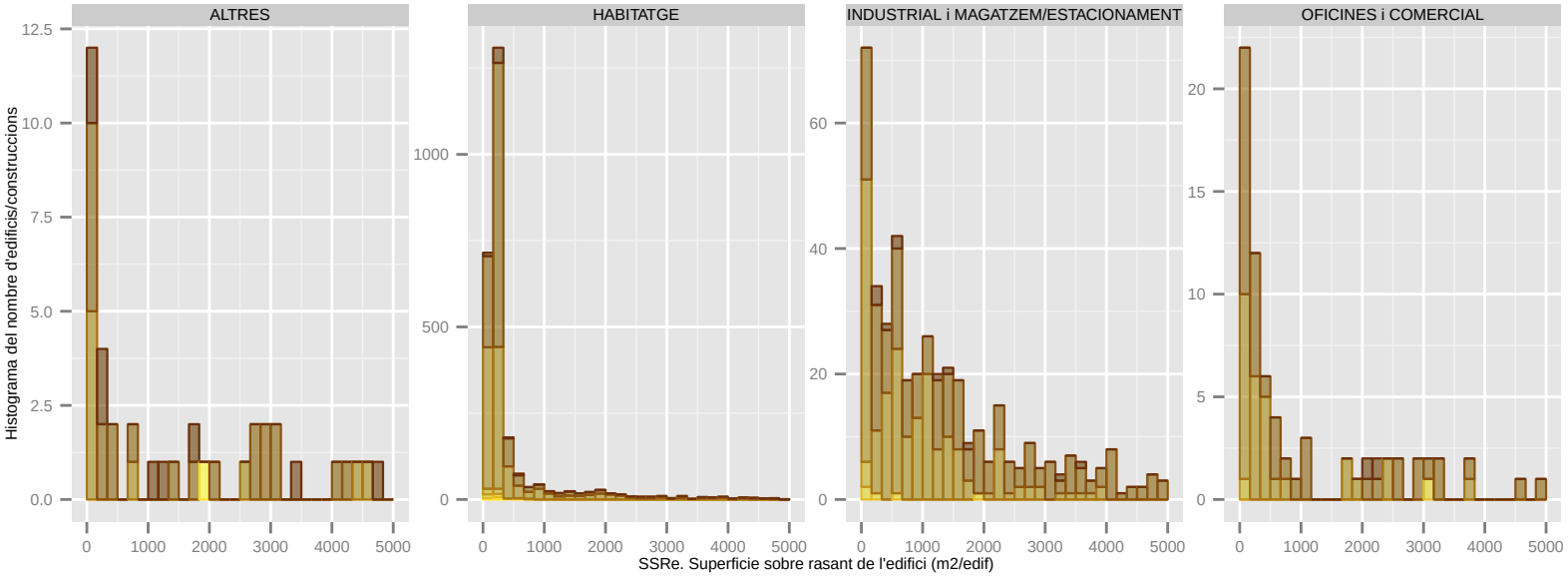
SSRe. Superficie sobre rasant de l'edifici (m2/edif): BARBERA DEL VALLES











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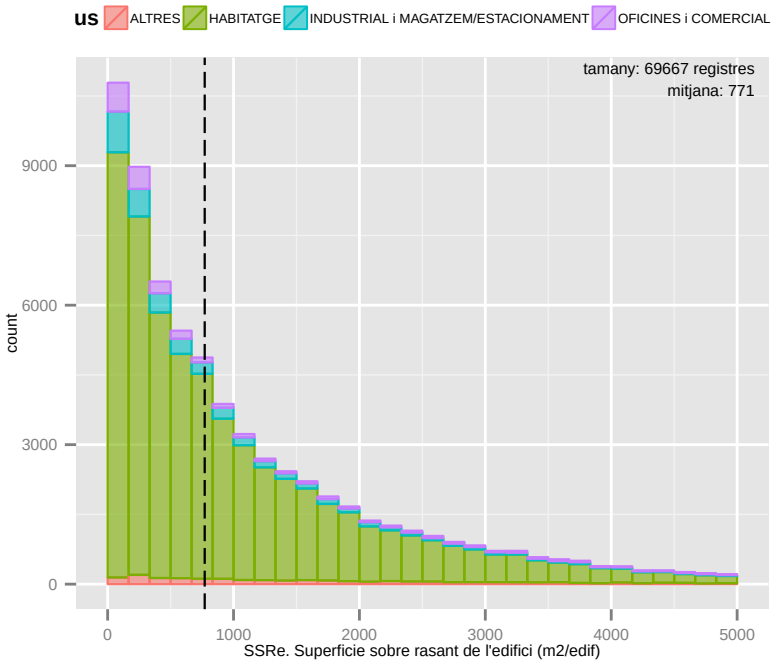

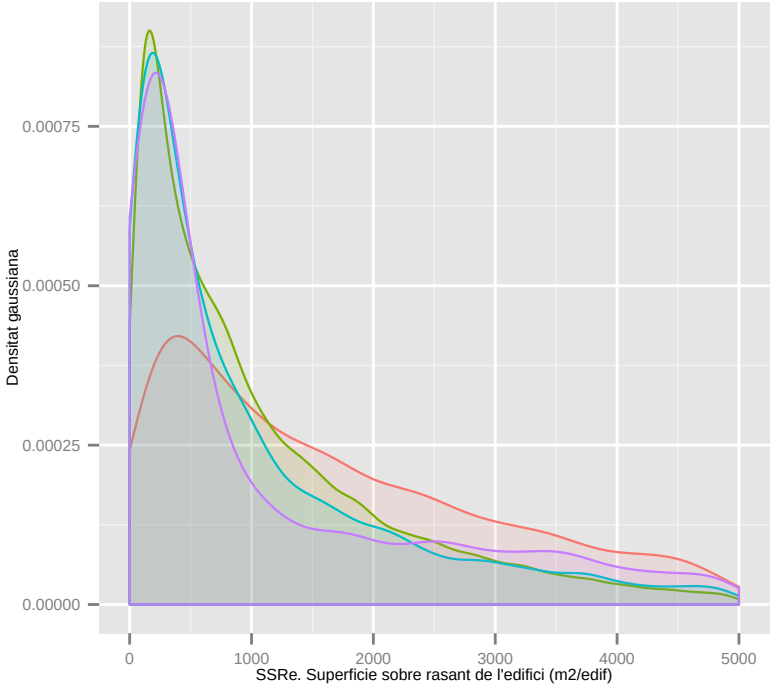

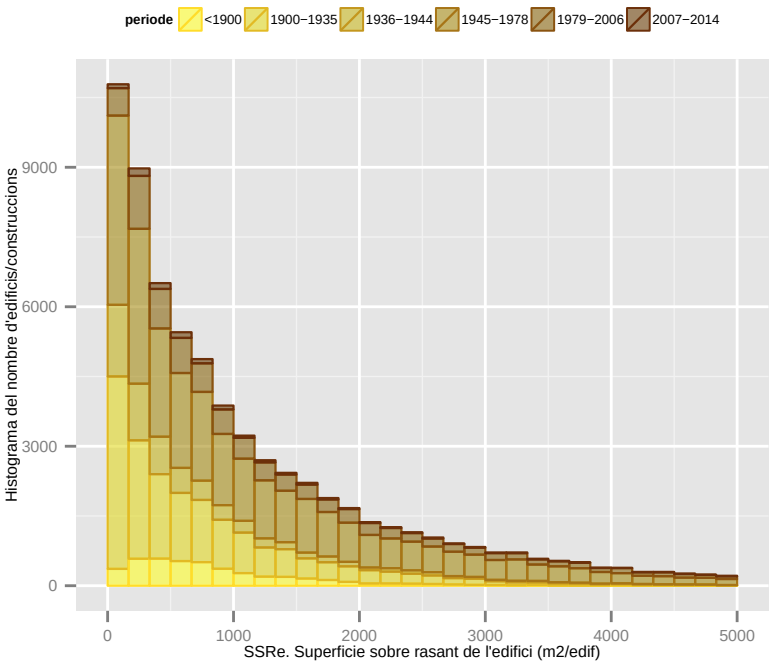

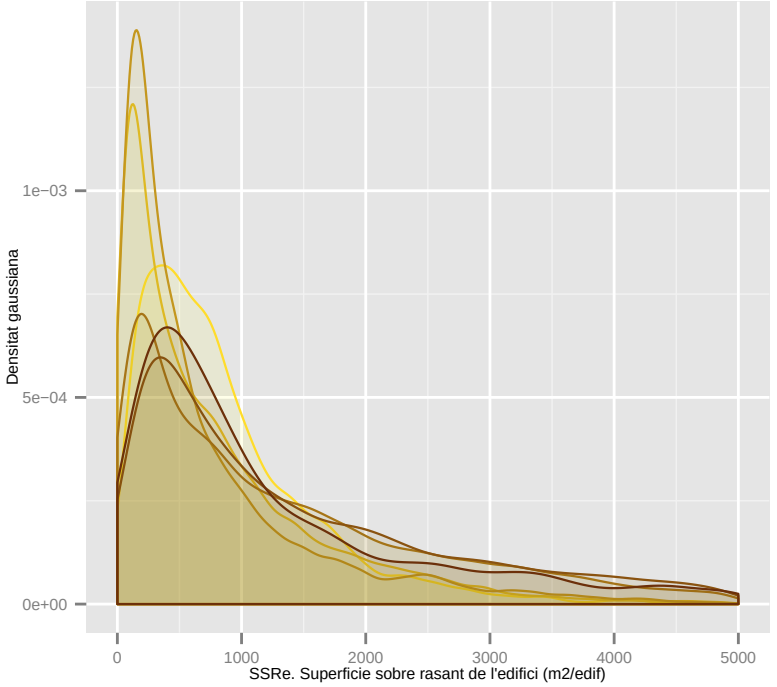

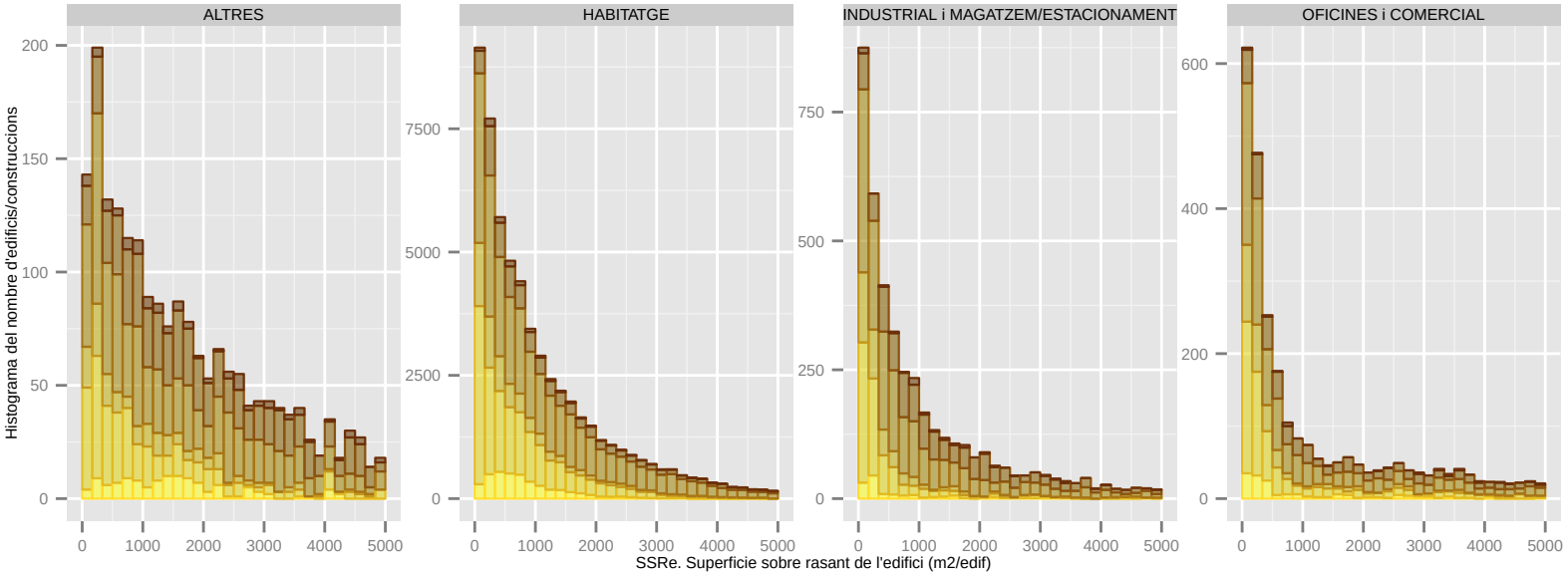

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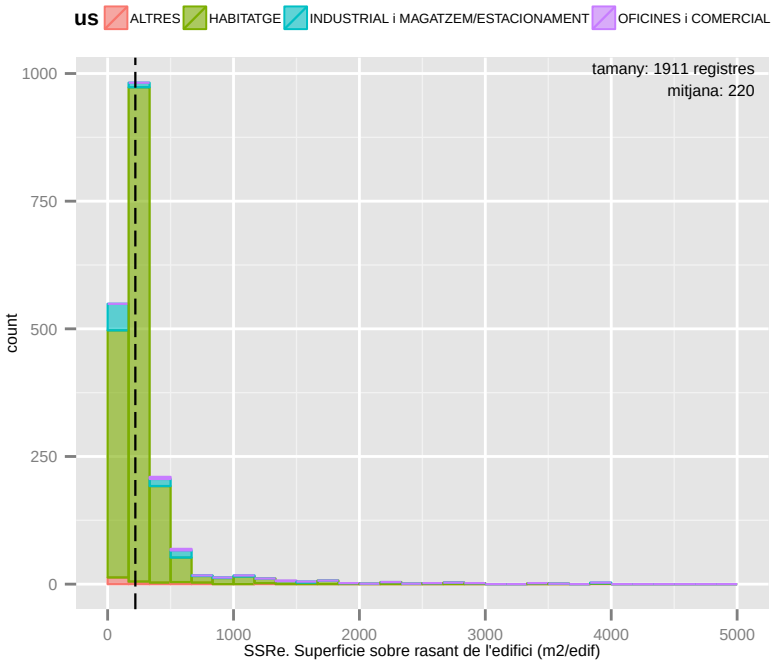

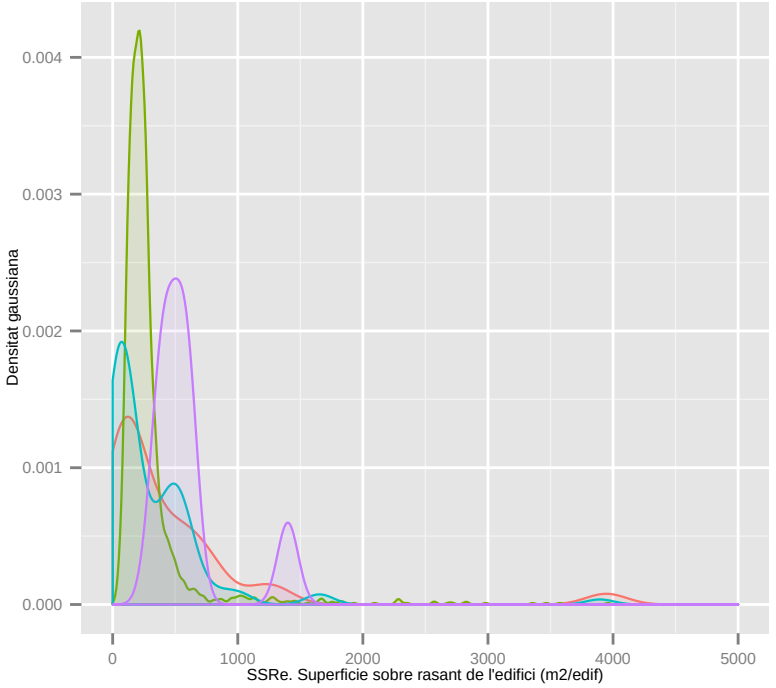

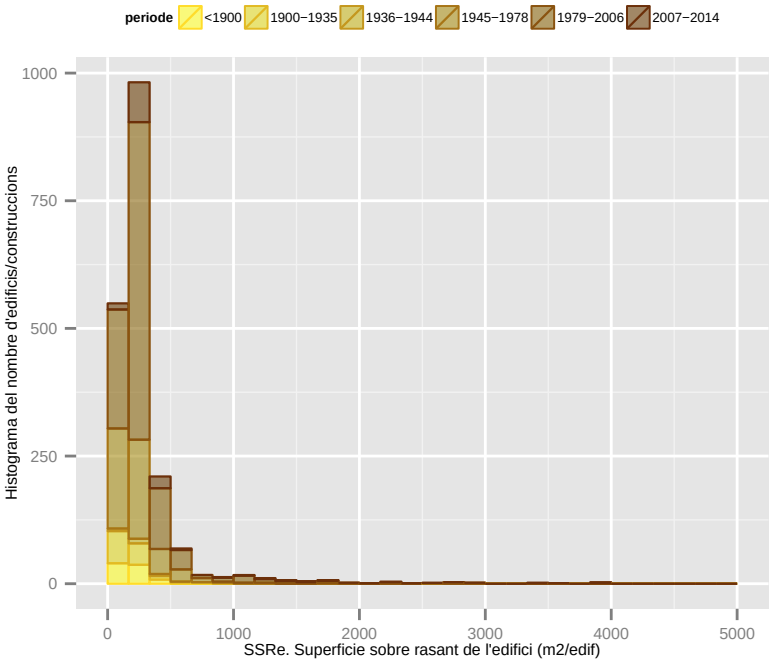

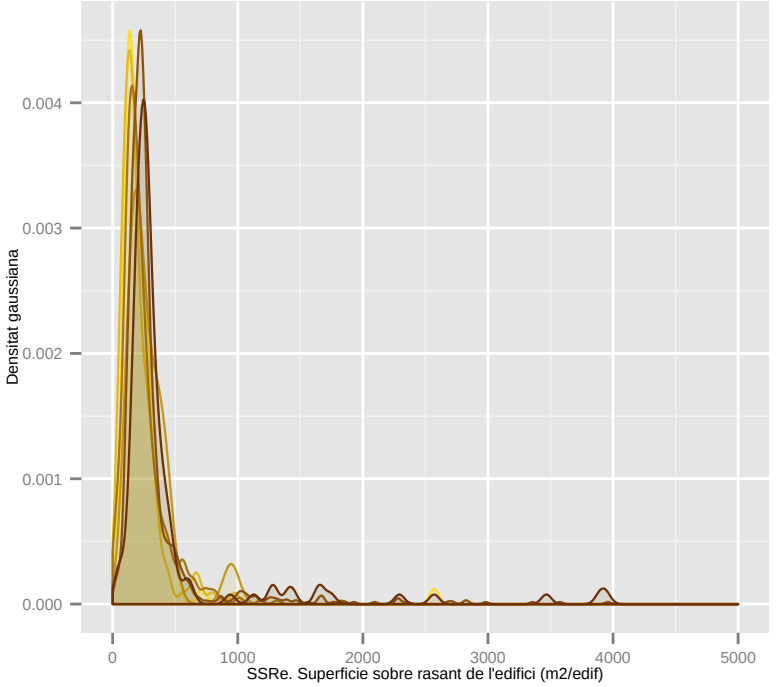

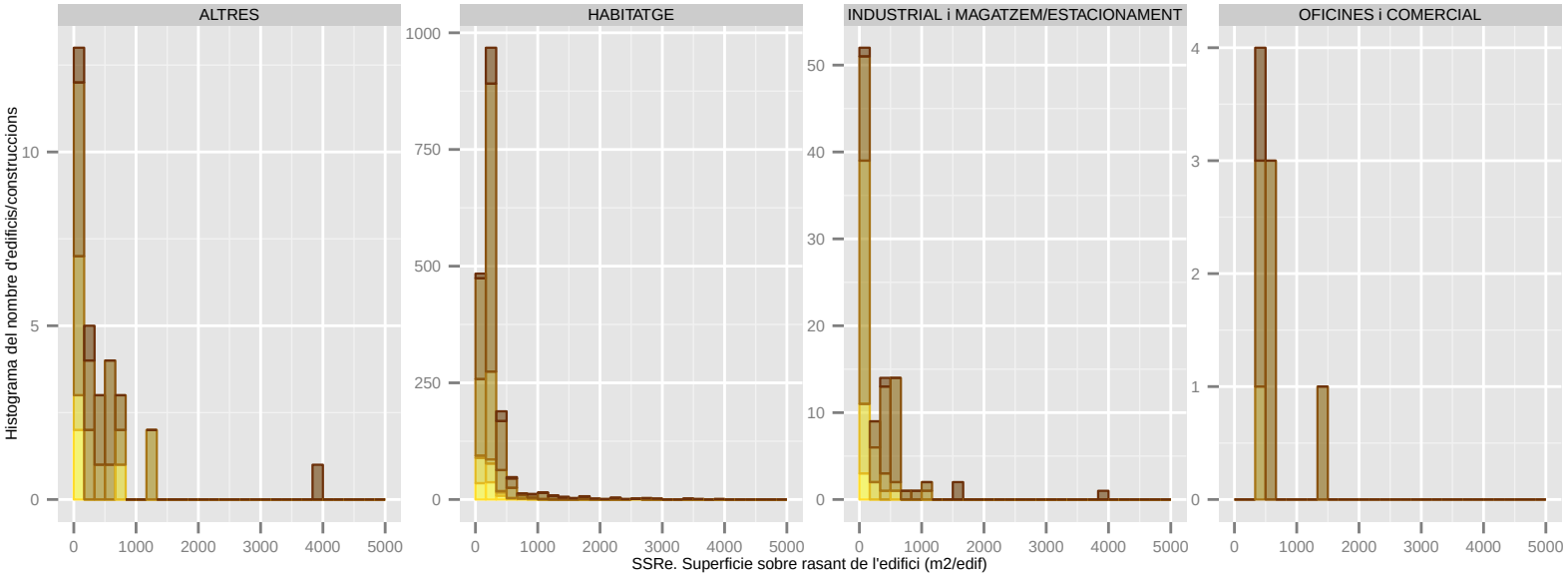

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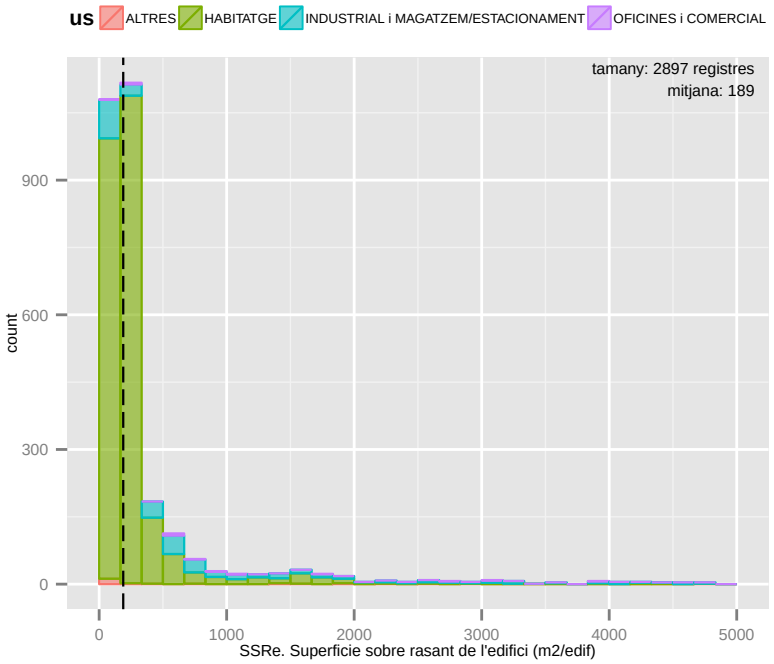
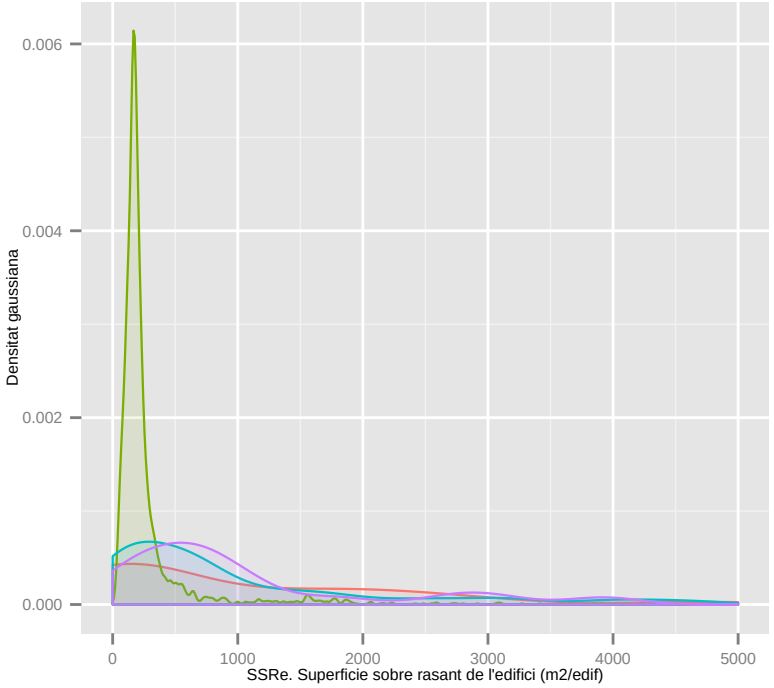
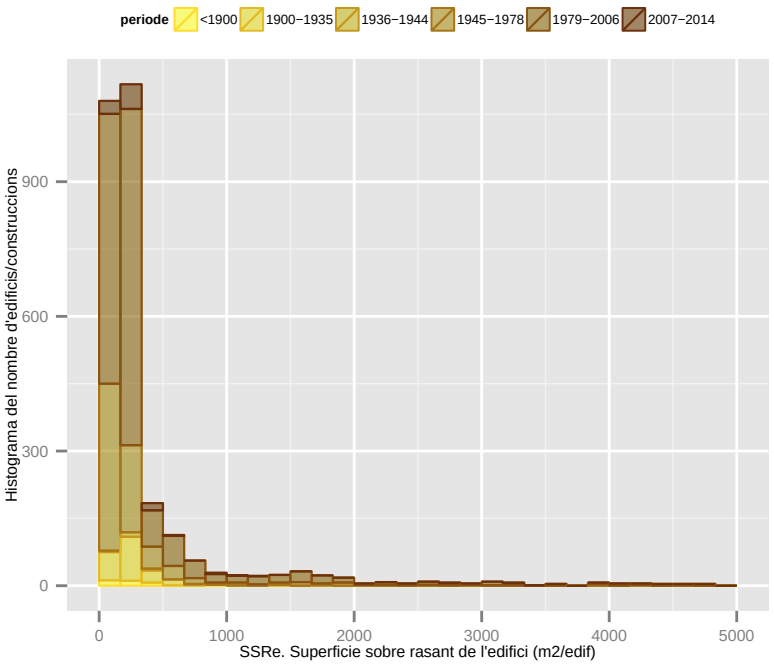
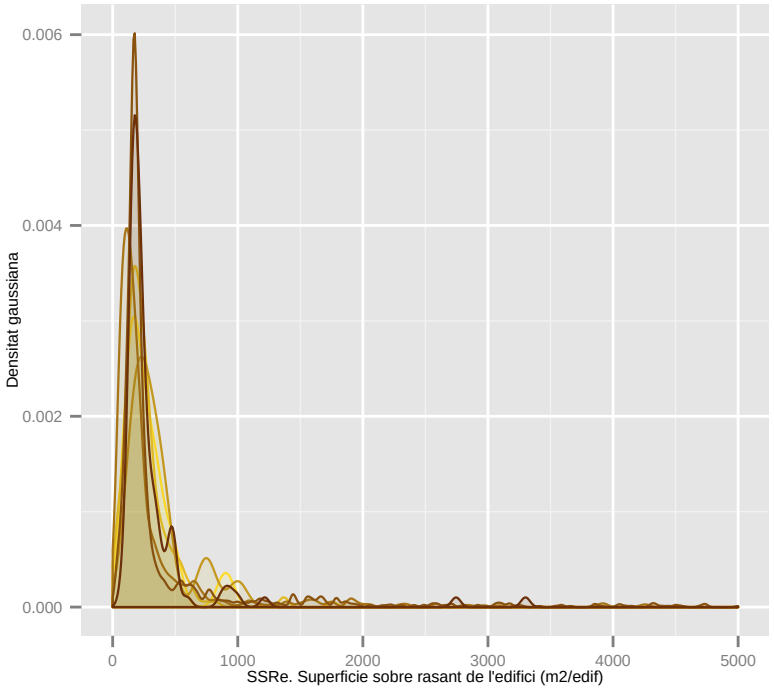
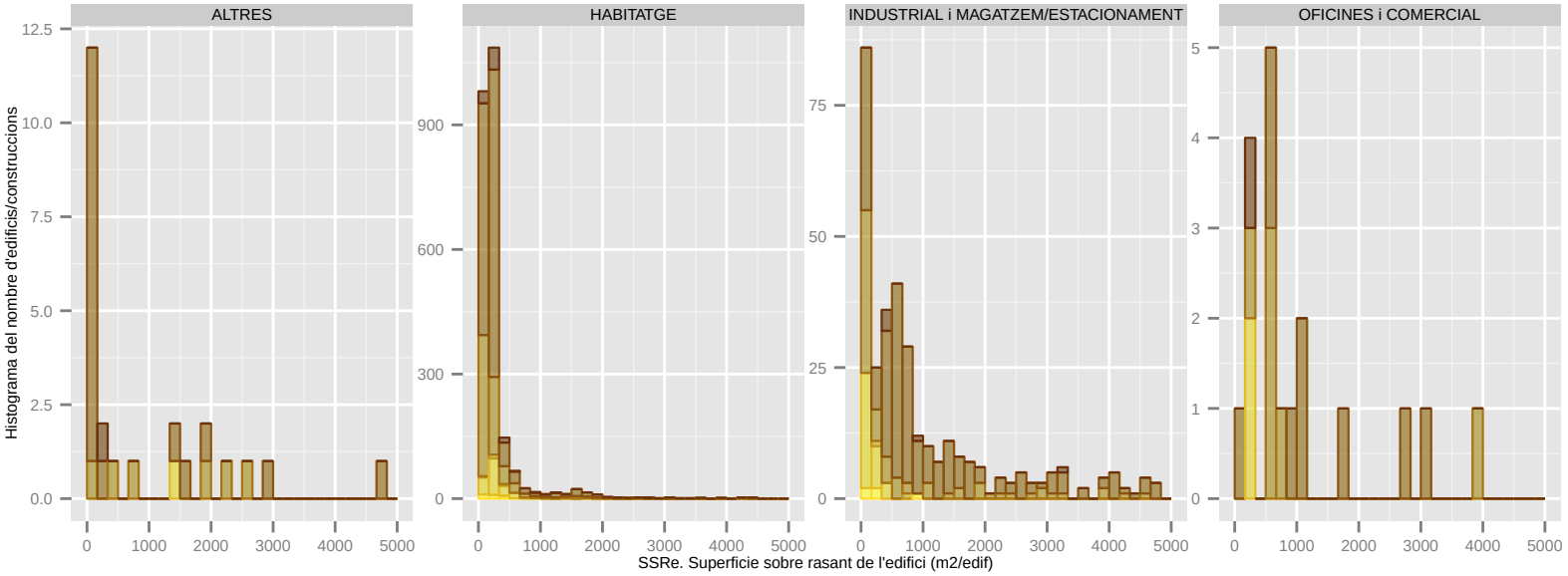




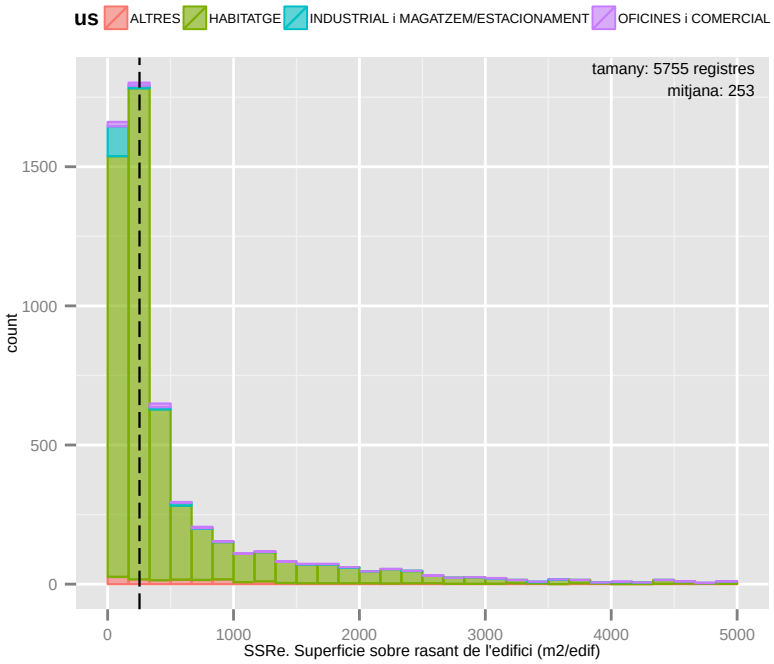


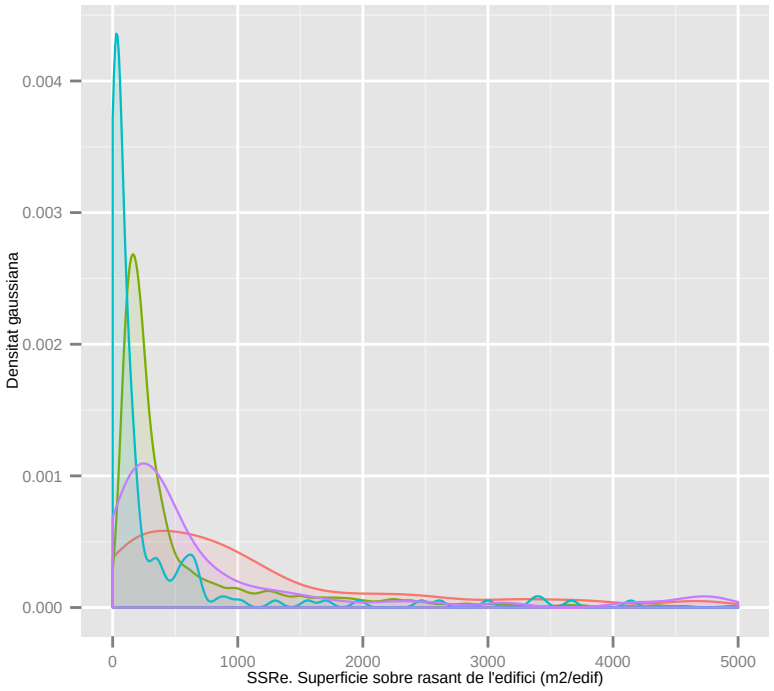


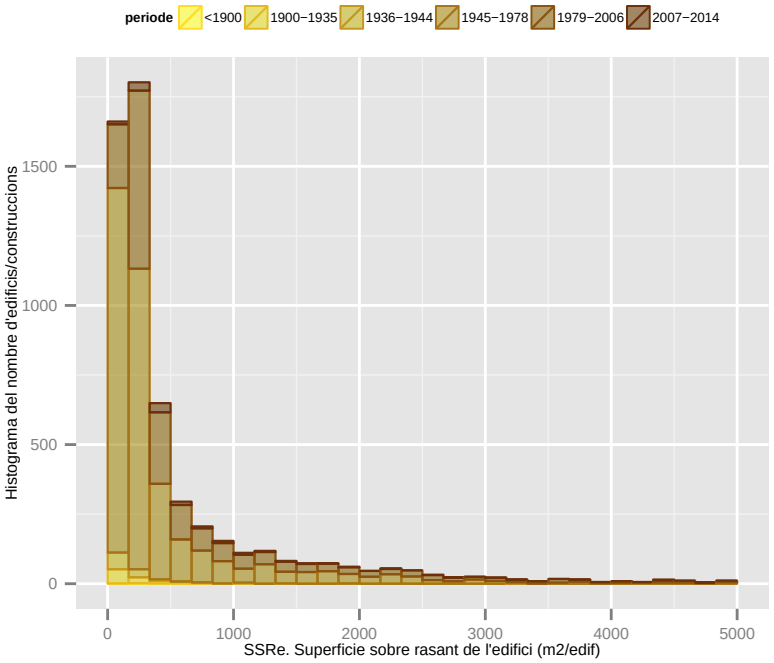


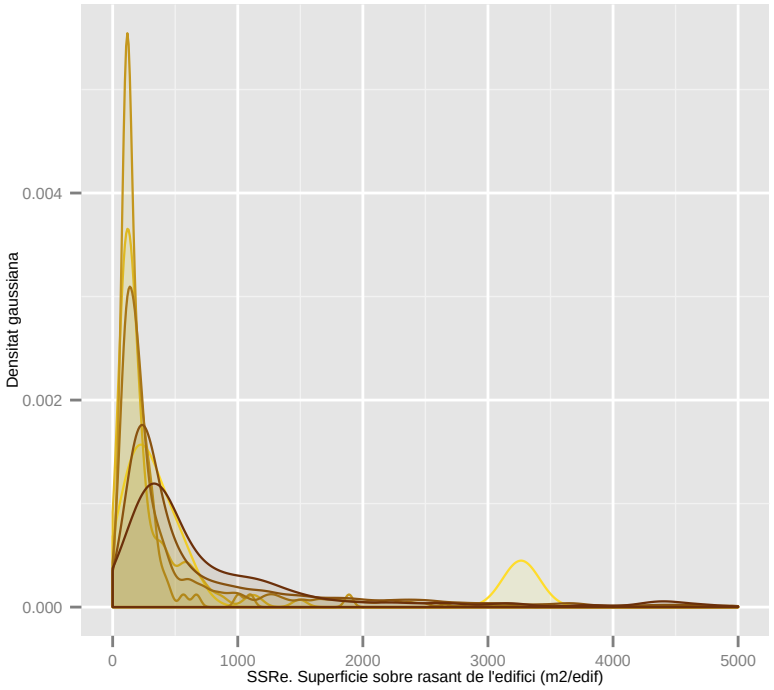
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

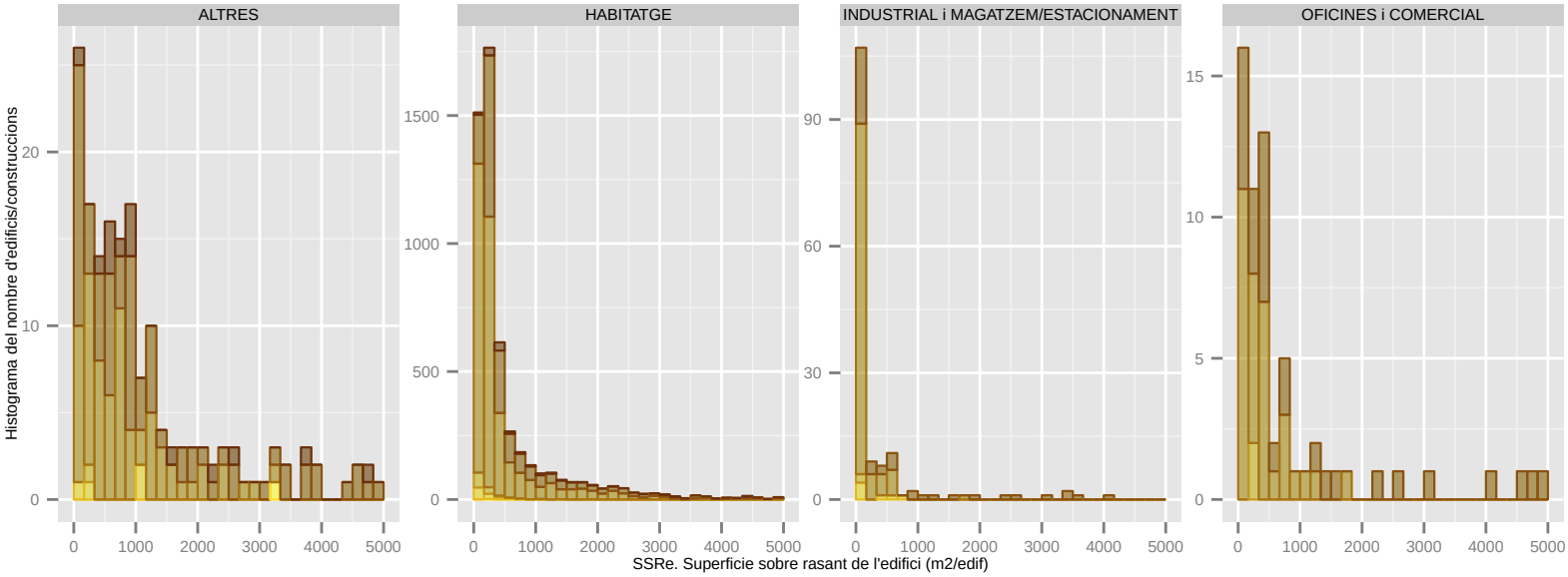
SSRe. Superficie sobre rasant de l'edifici (m2/edif): CASTELLDEFELS





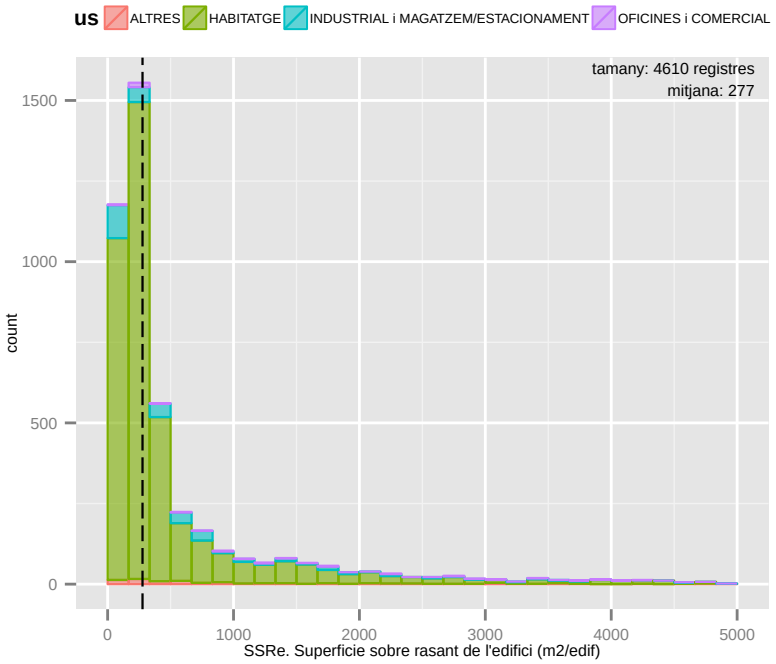


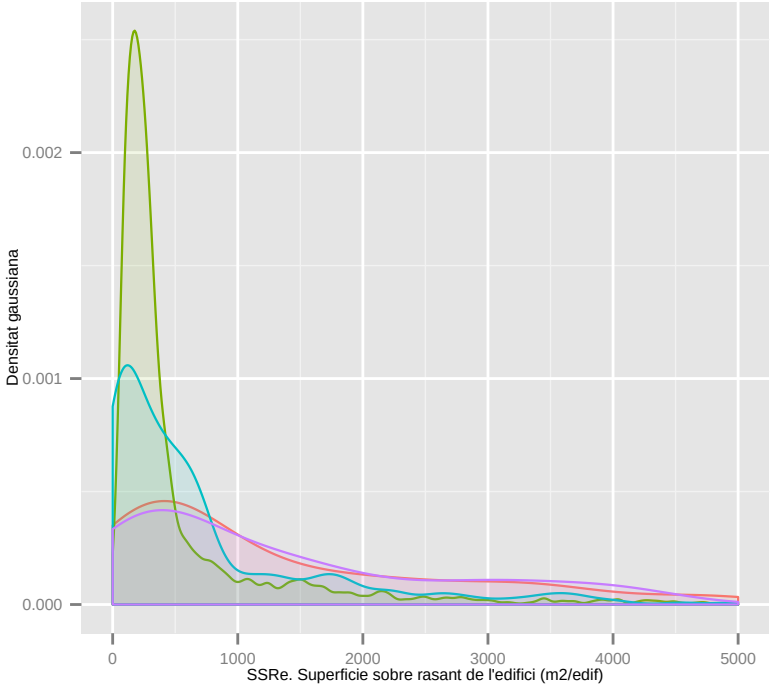


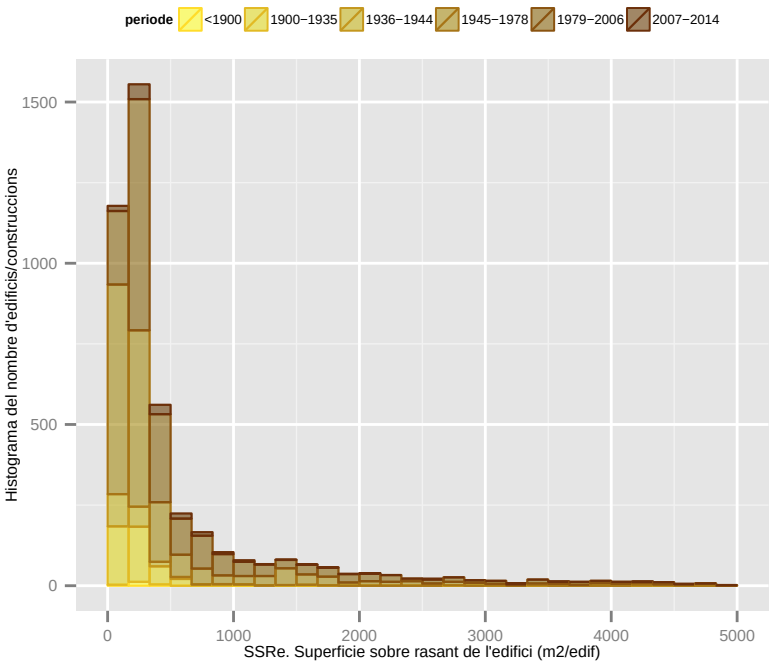


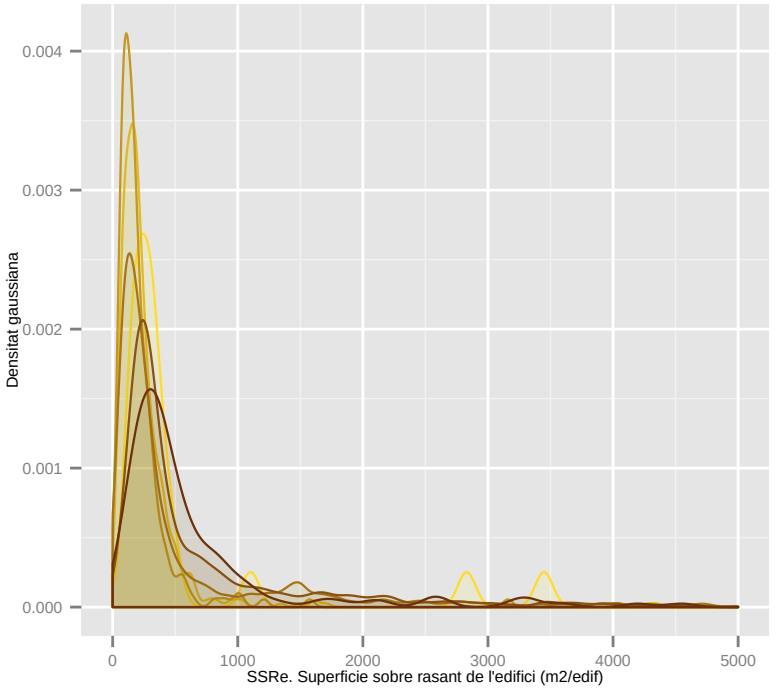
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

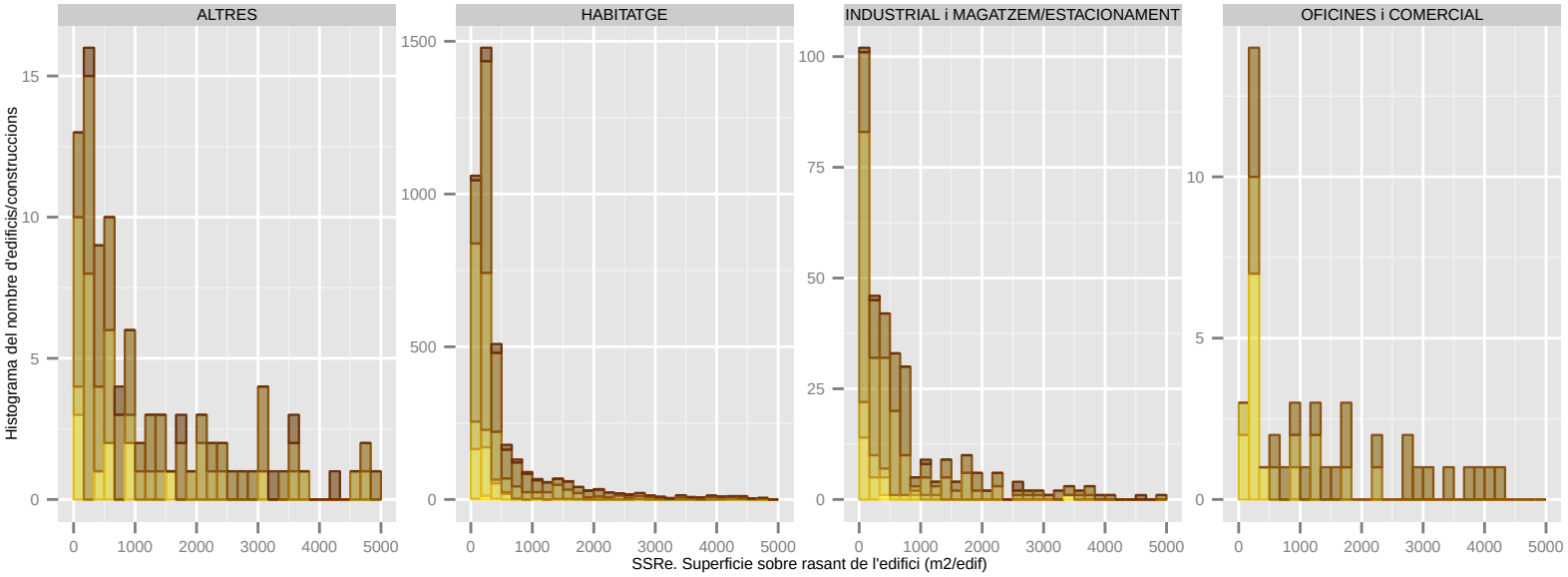
SSRe. Superficie sobre rasant de l'edifici (m2/edif): CERDANYOLA DEL VALLES





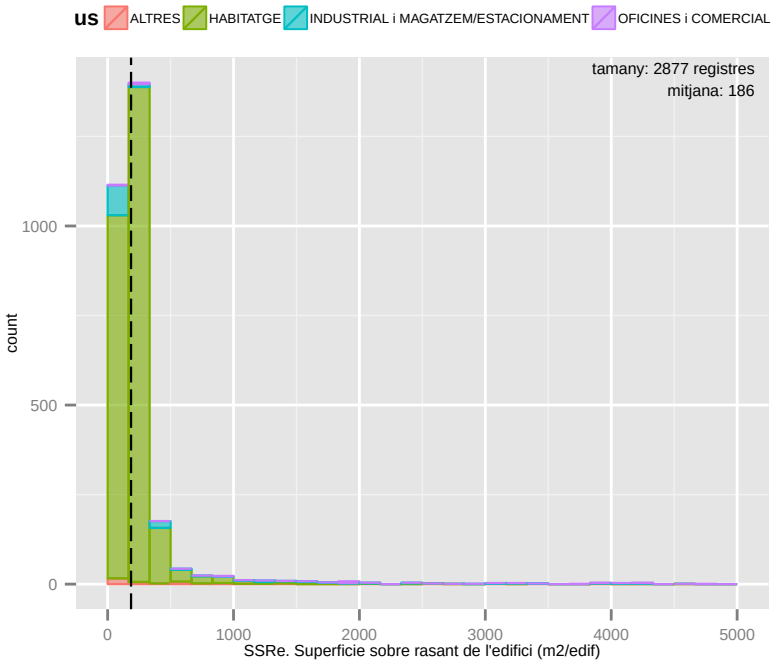


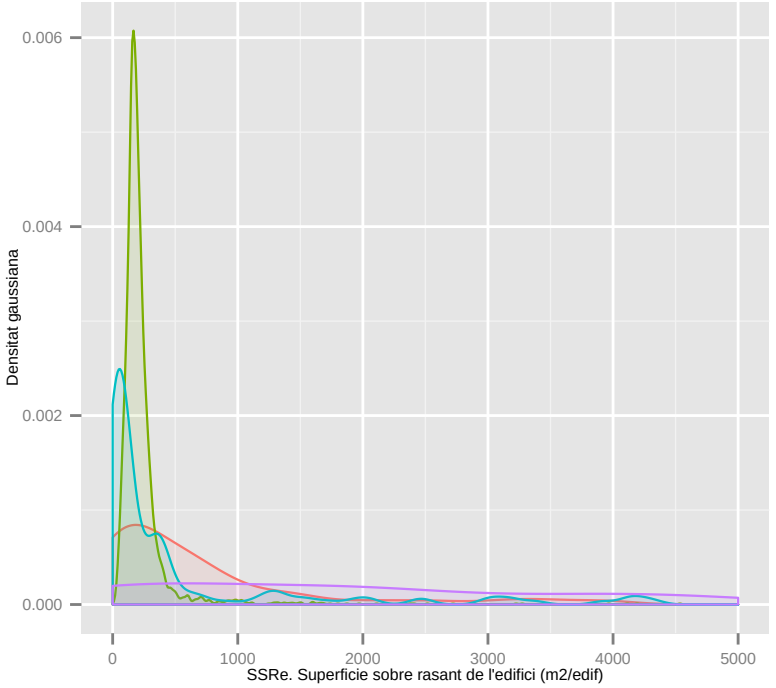


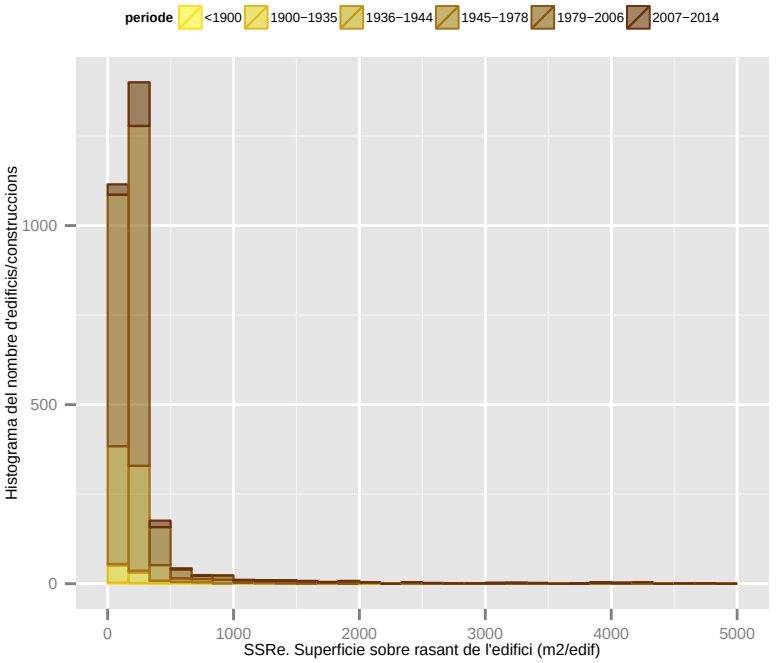


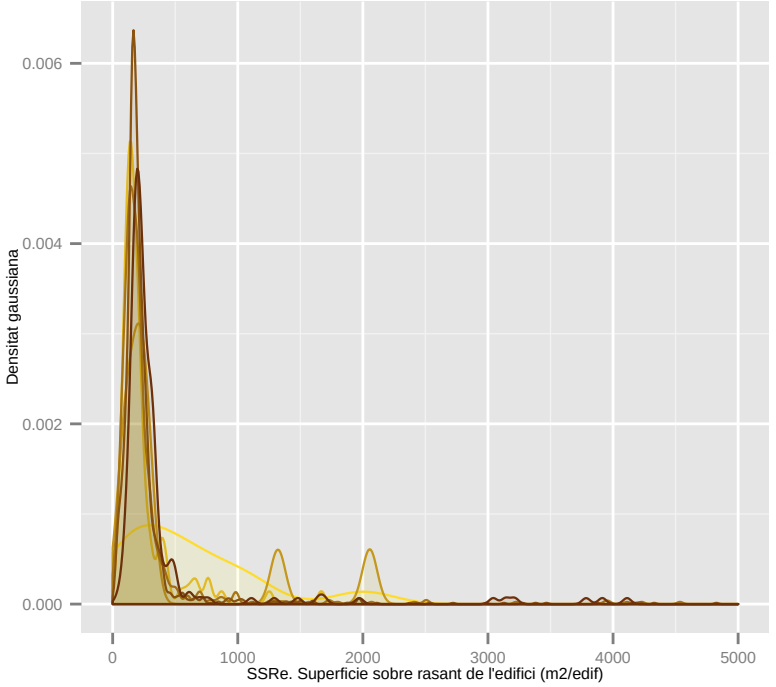
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

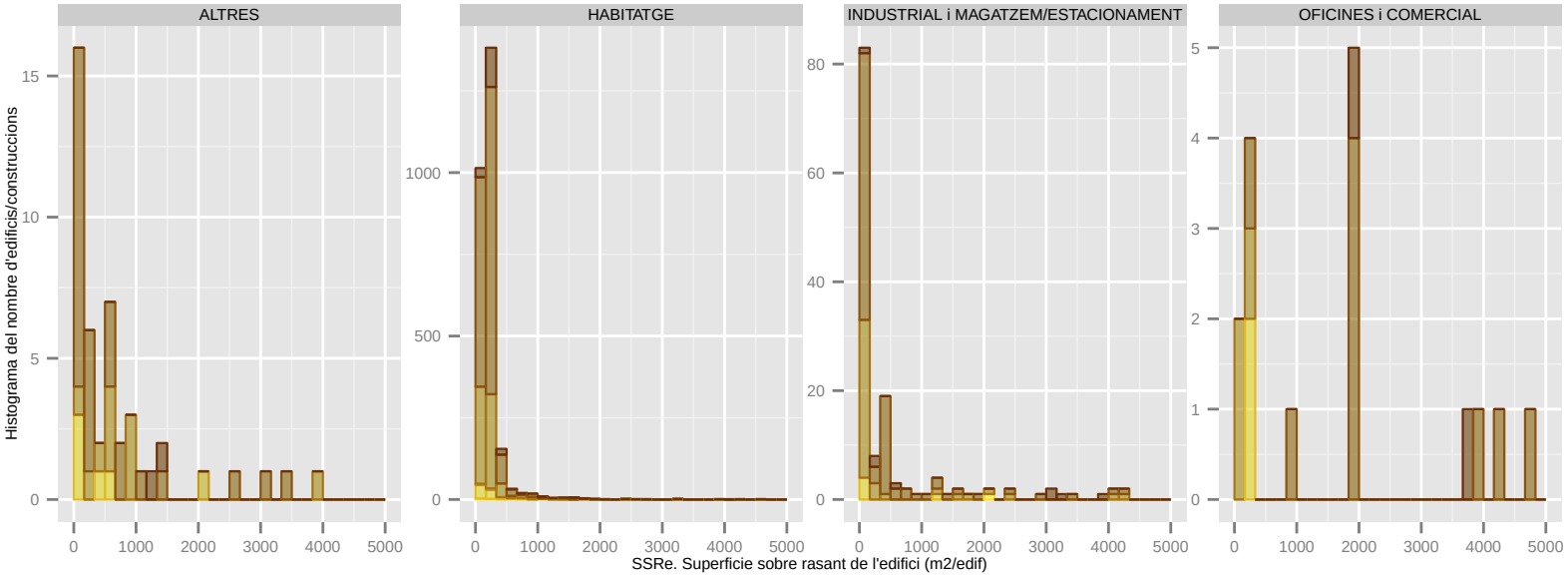
SSRe. Superficie sobre rasant de l'edifici (m2/edif): CERVELLO





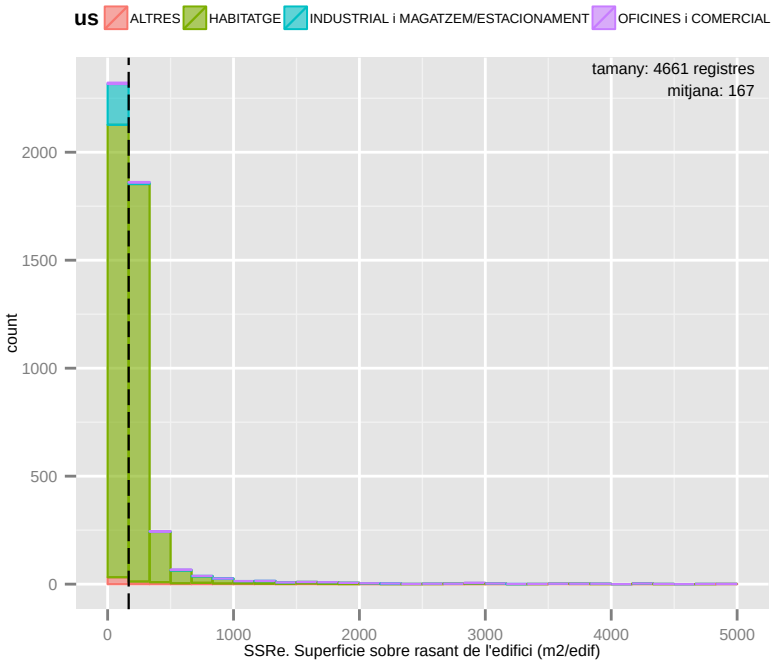


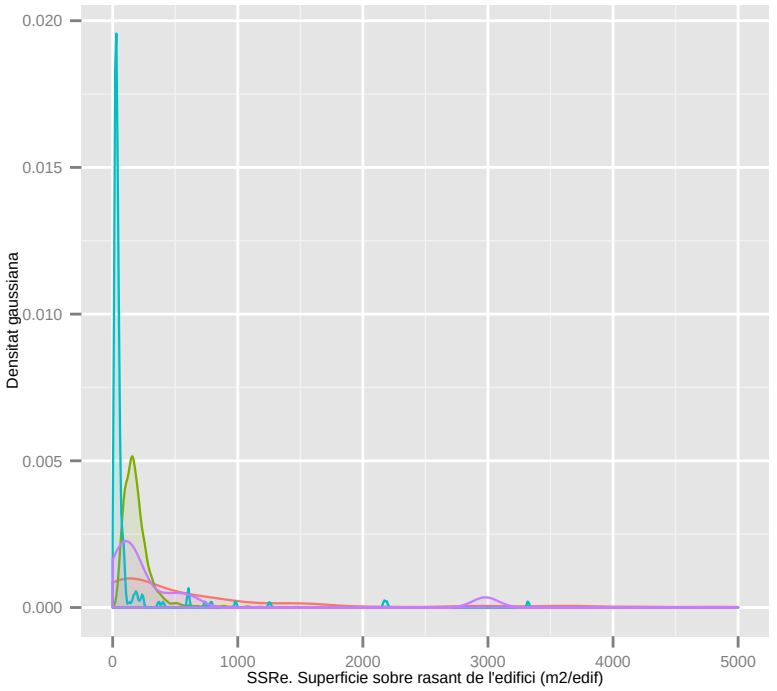


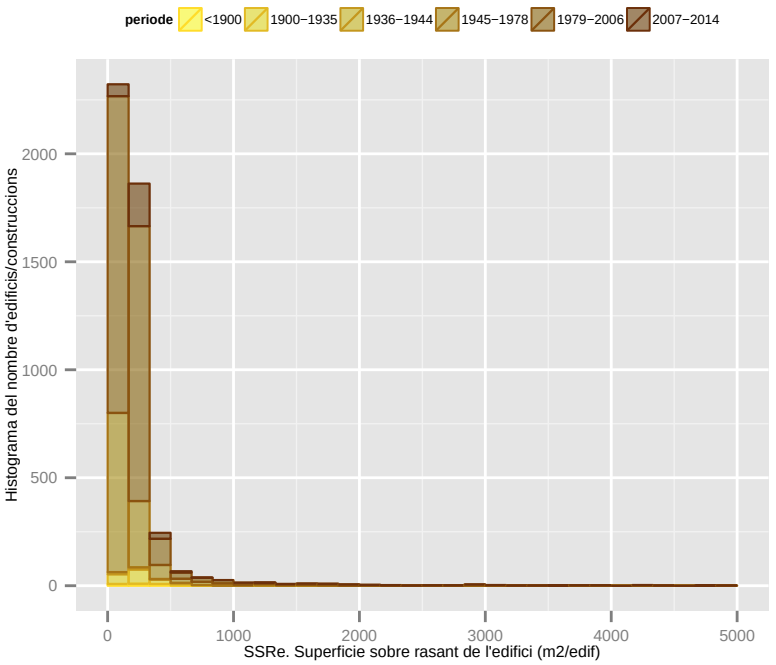


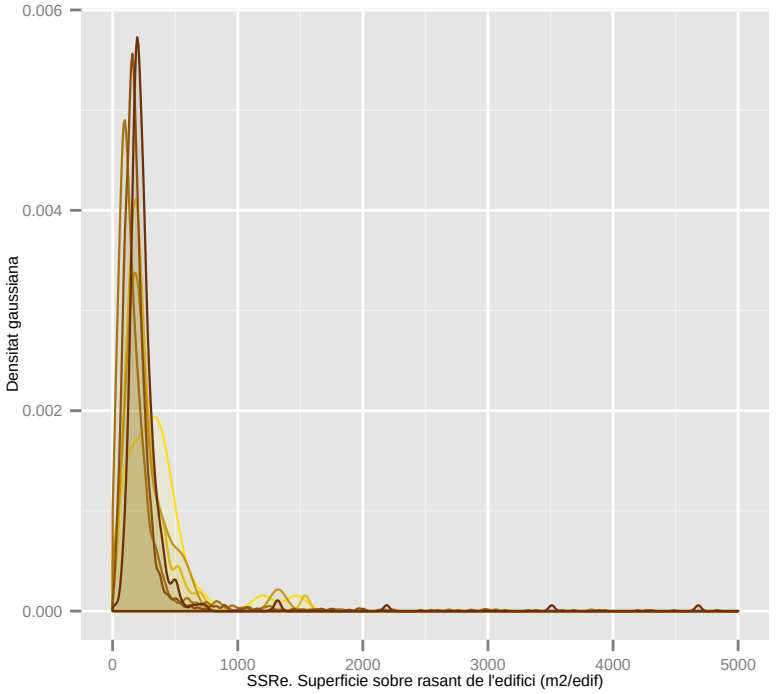
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

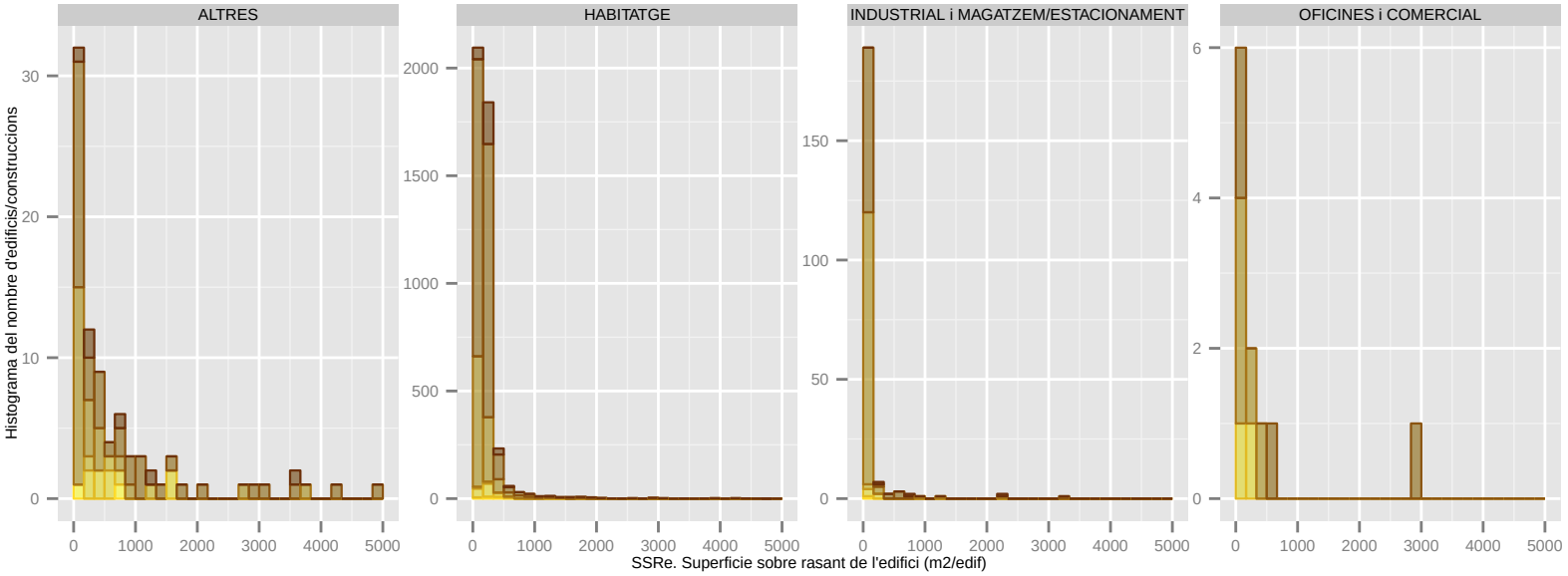
SSRe. Superficie sobre rasant de l'edifici (m2/edif): CORBERA DE LLOBREGAT





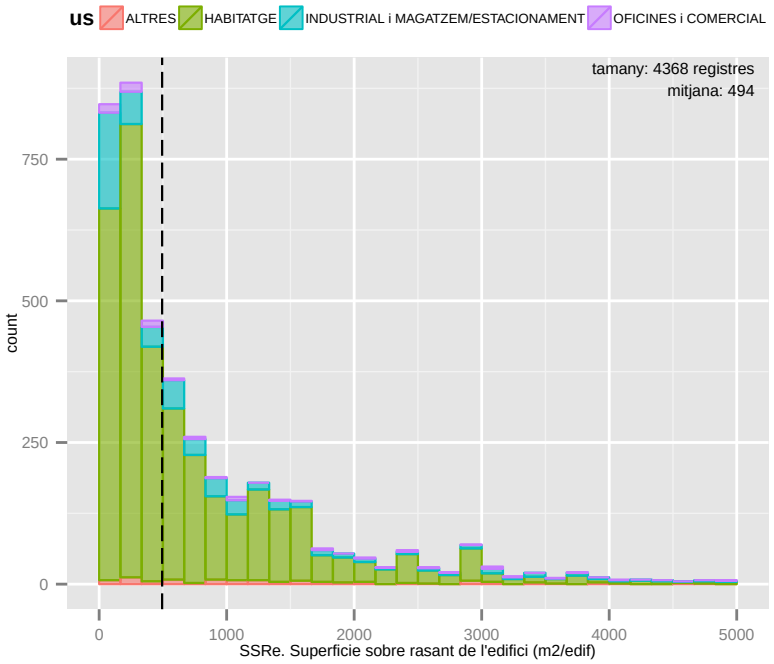


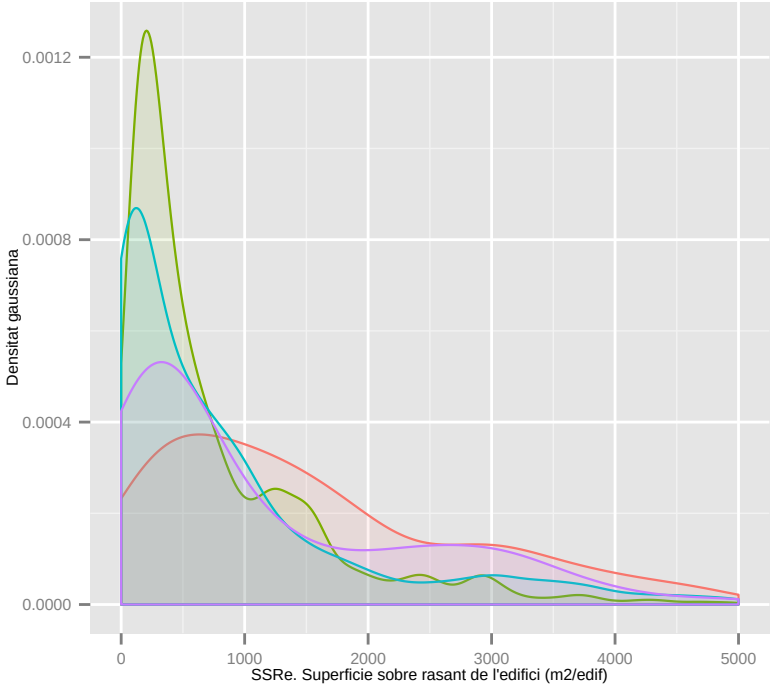


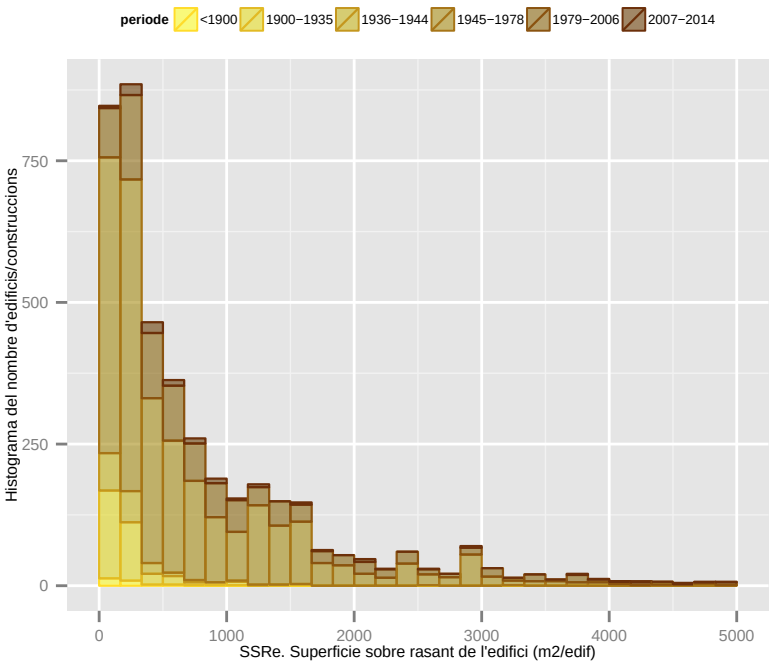


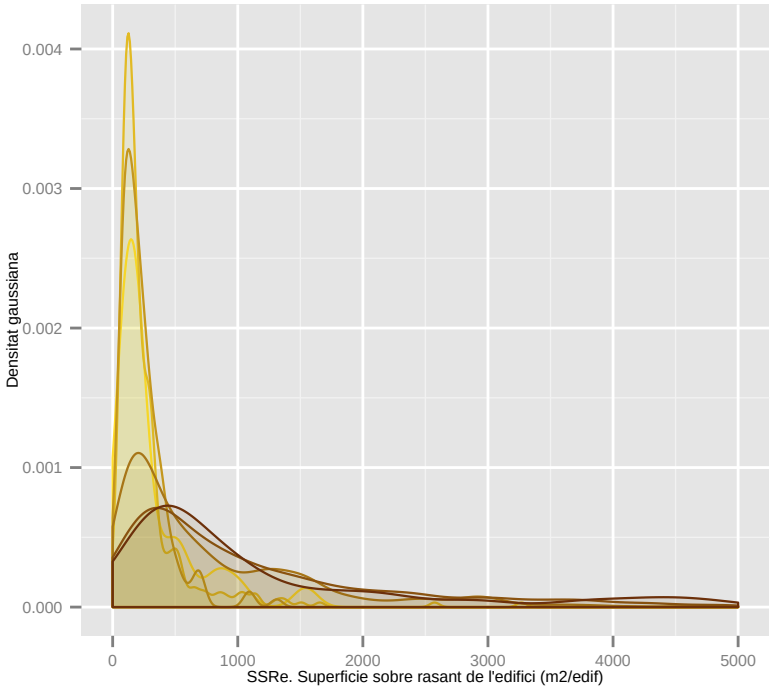
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

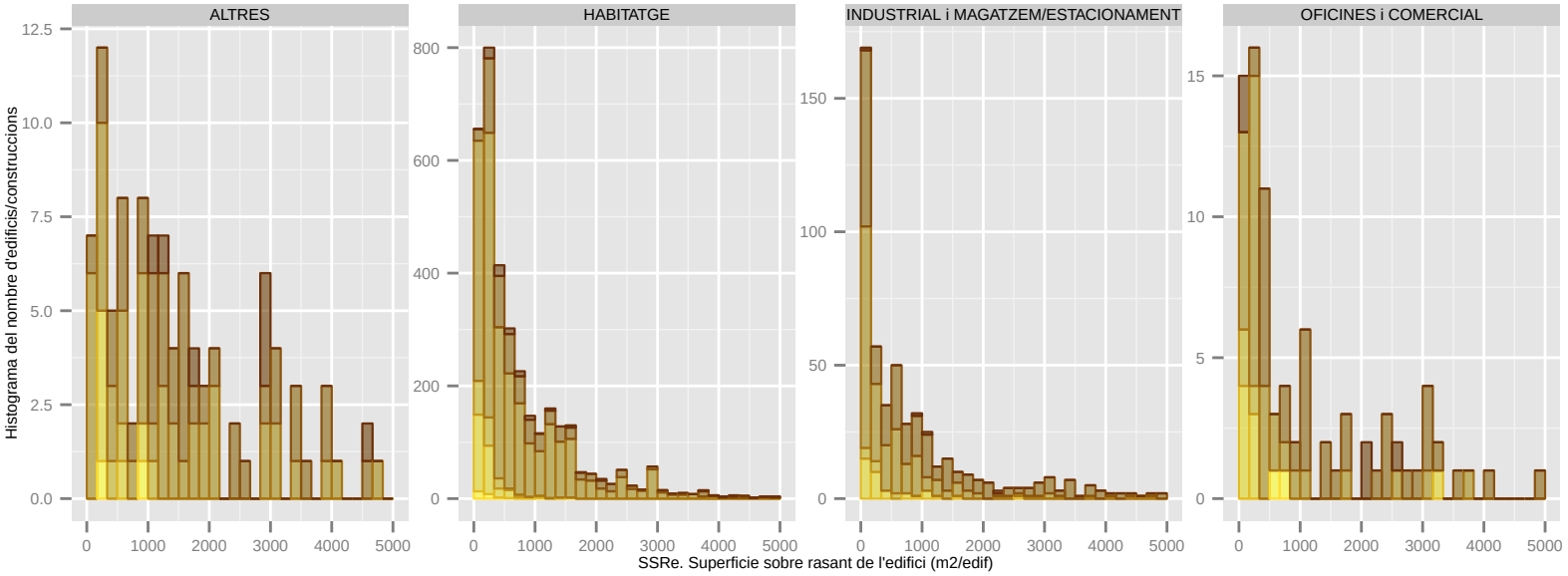
SSRe. Superficie sobre rasant de l'edifici (m2/edif): CORNELLA DE LLOBREGAT





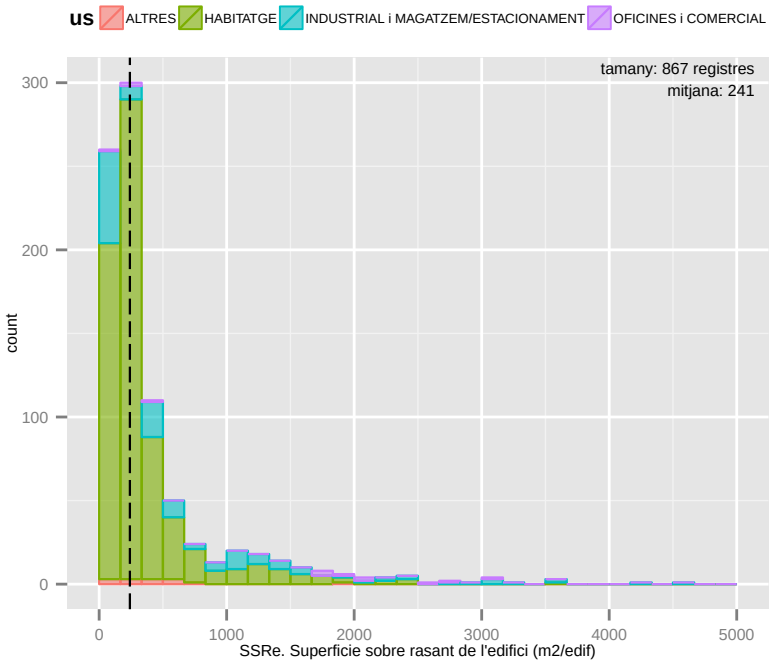


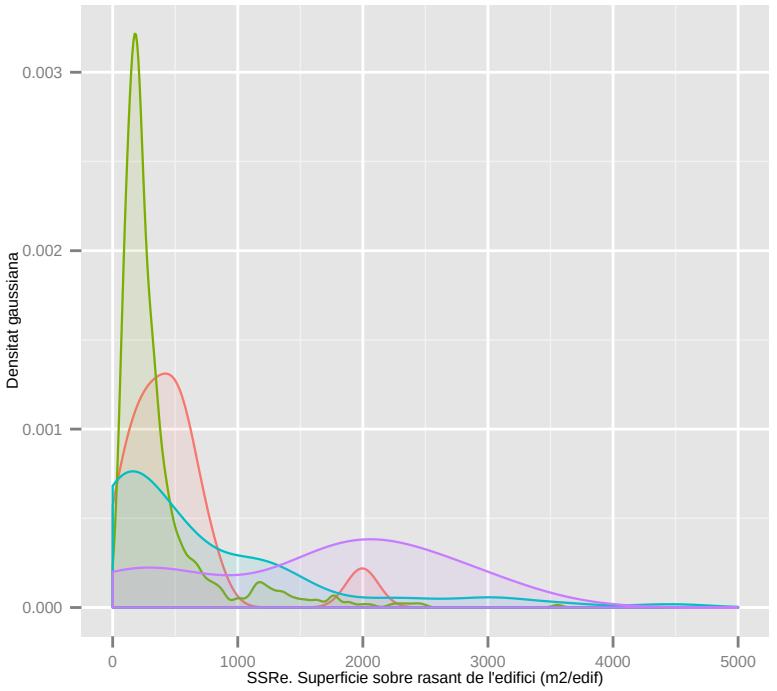


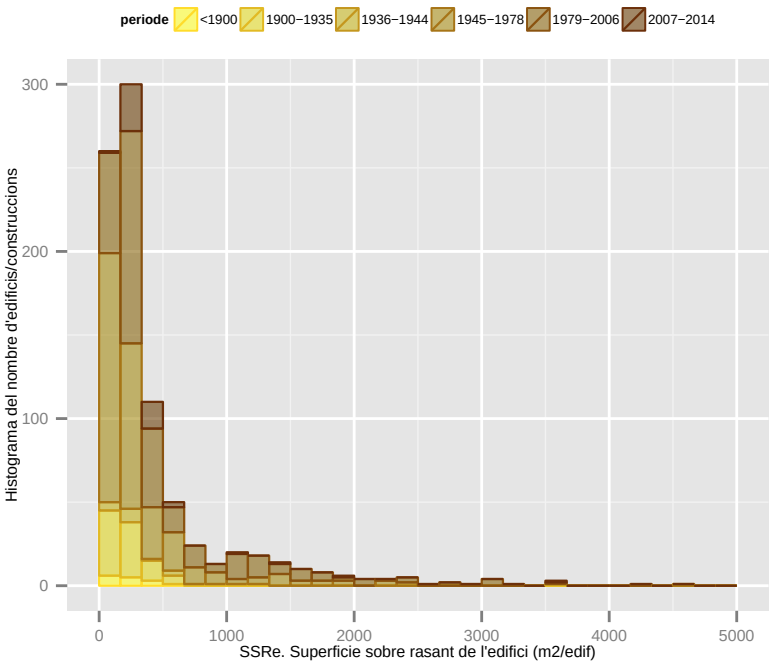


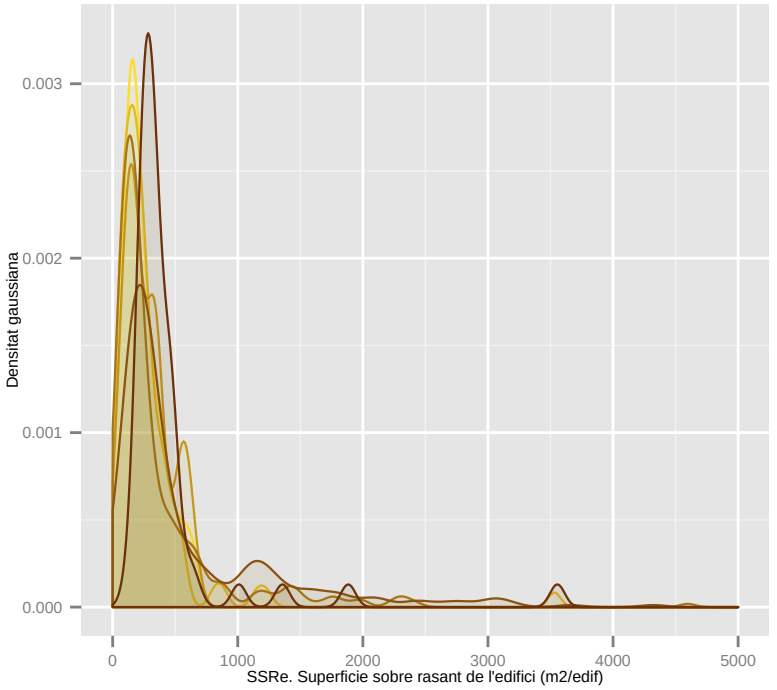
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

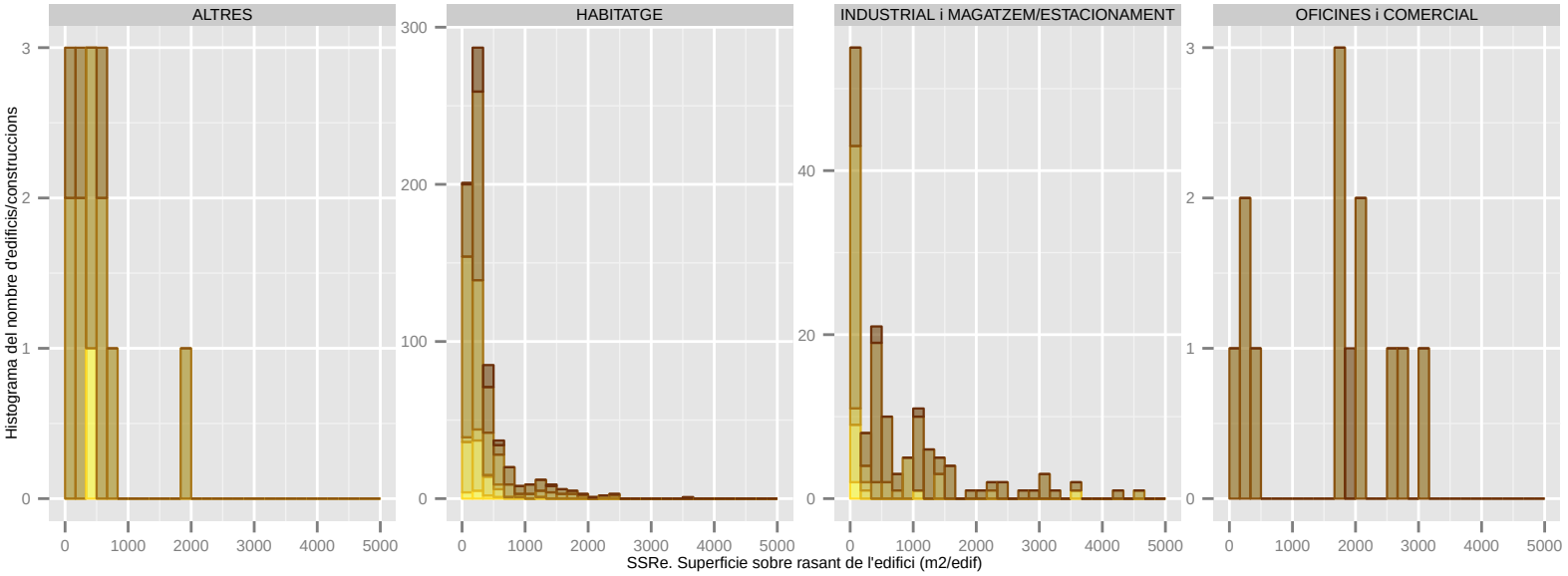
SSRe. Superficie sobre rasant de l'edifici (m2/edif): EL PAPIOL





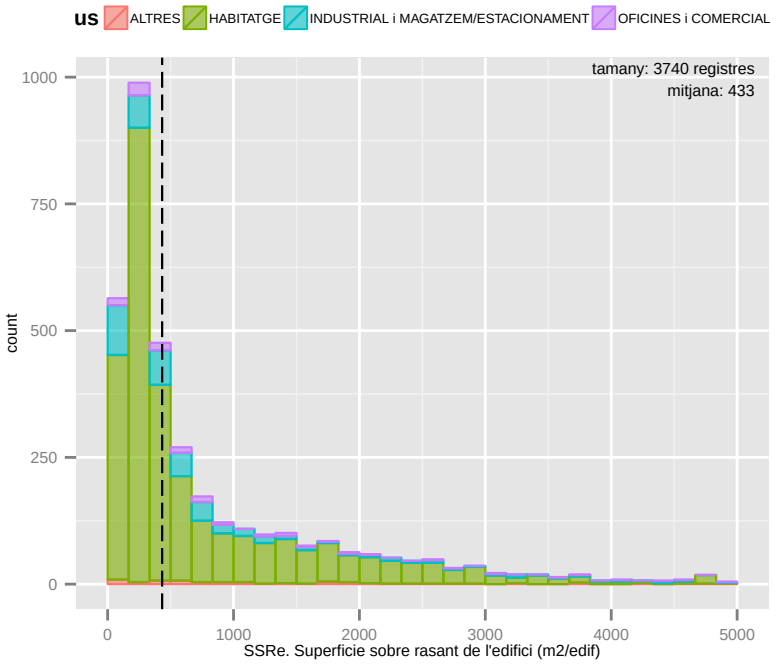


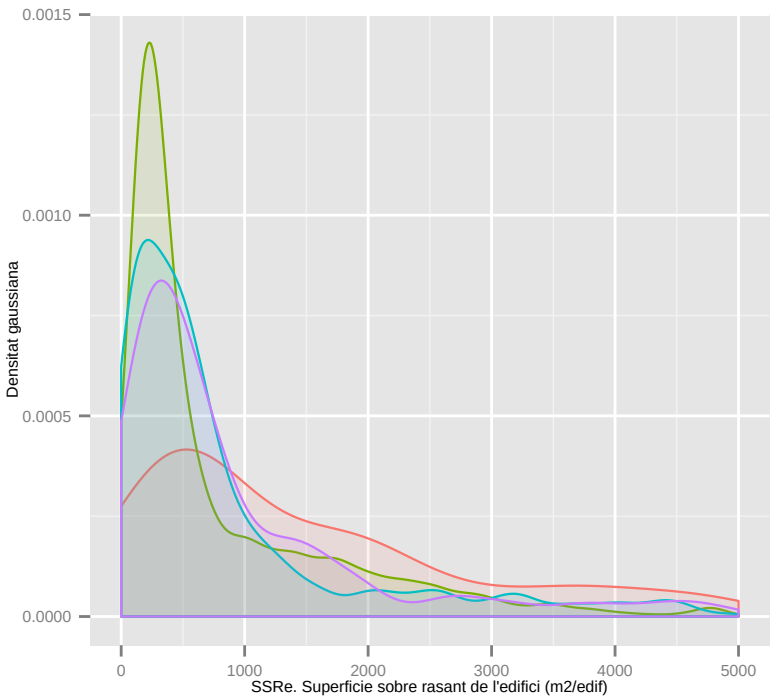


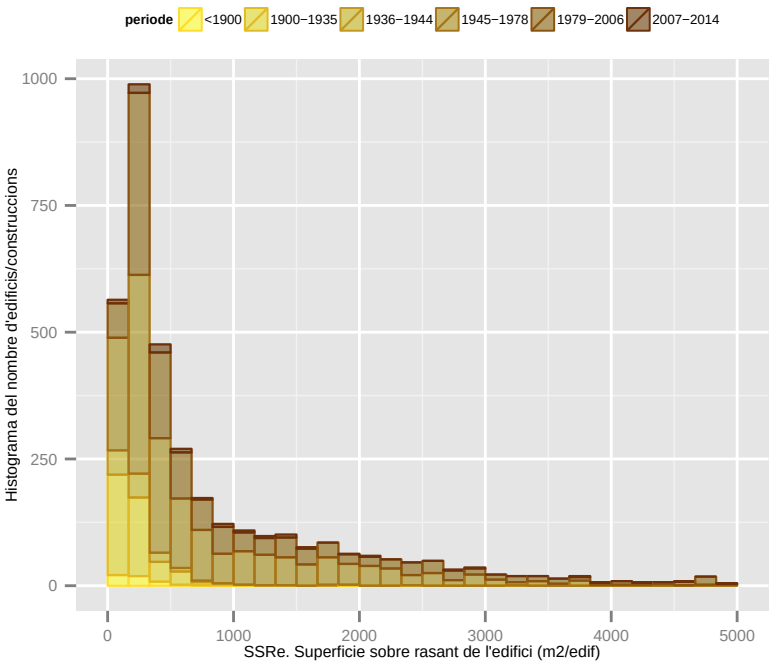


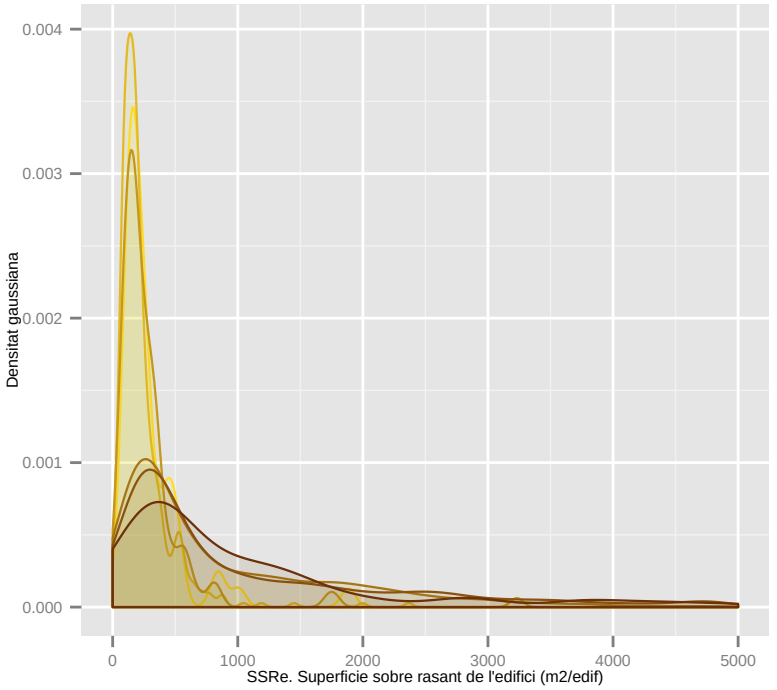
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

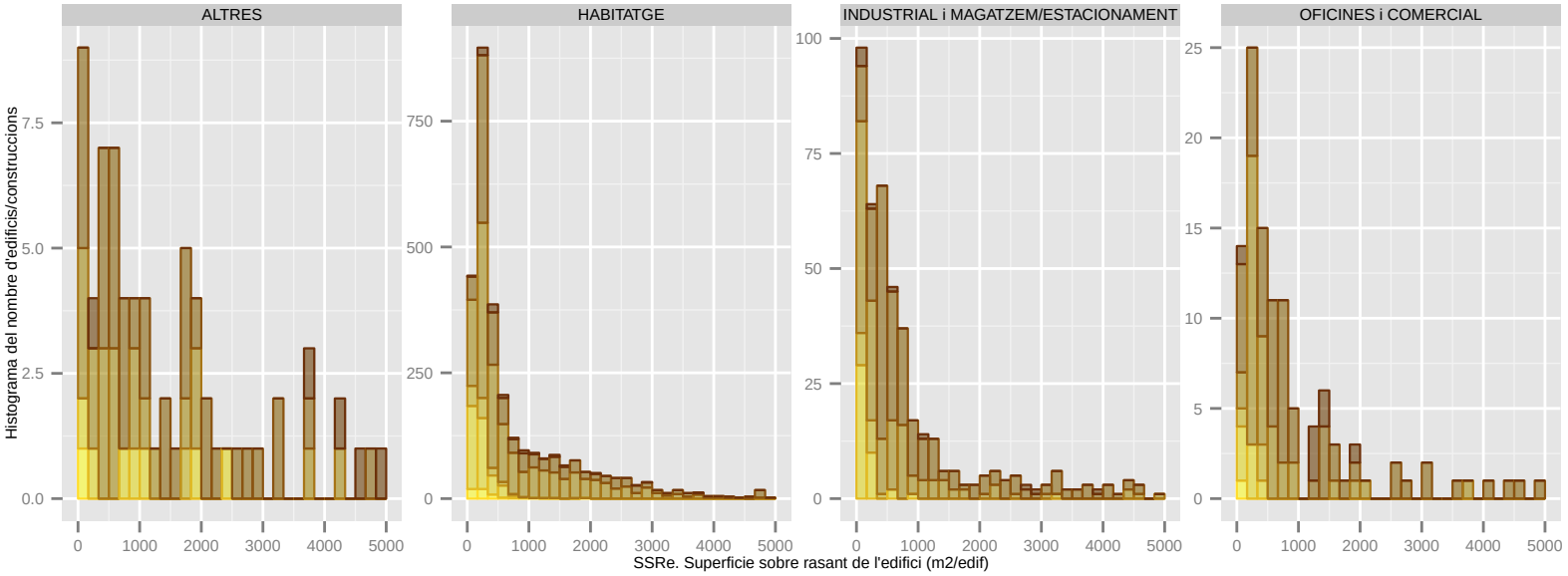
SSRe. Superficie sobre rasant de l'edifici (m2/edif): EL PRAT DE LLOBREGAT





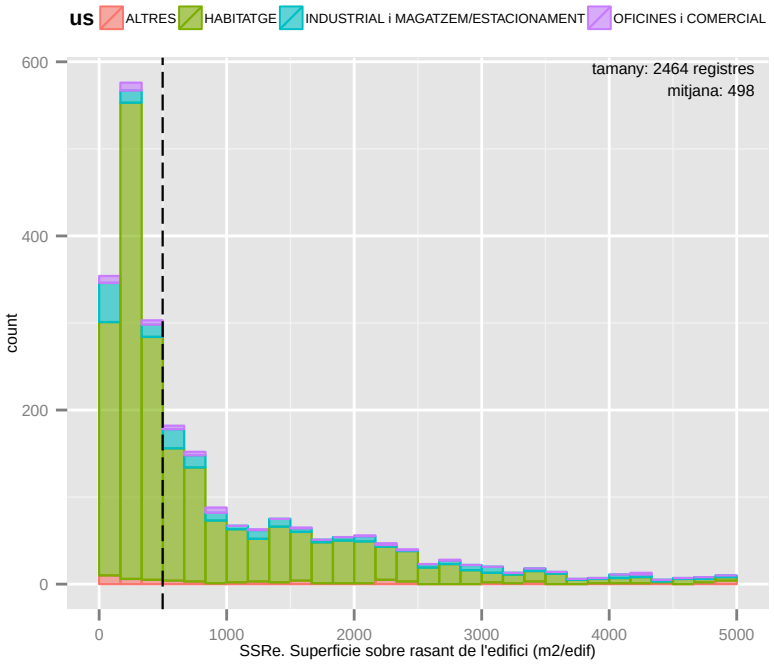


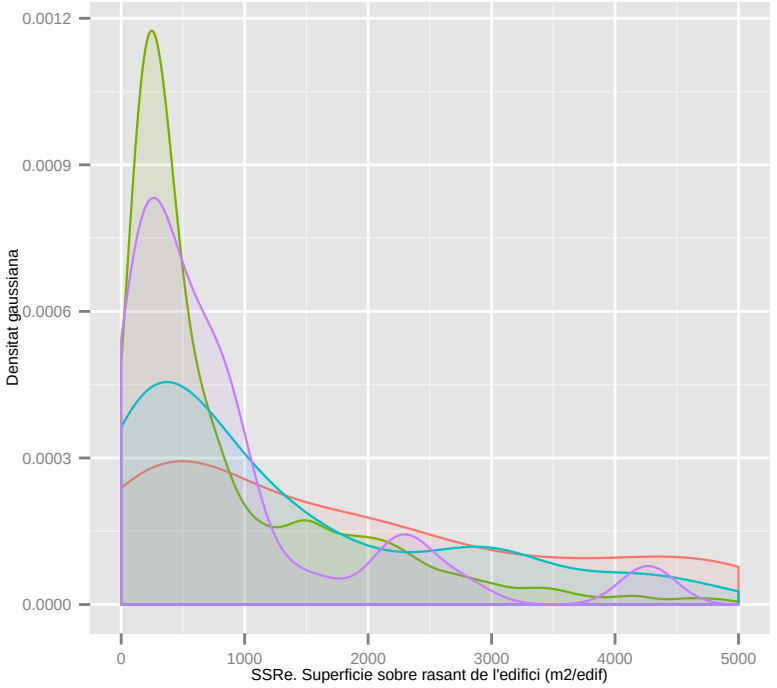


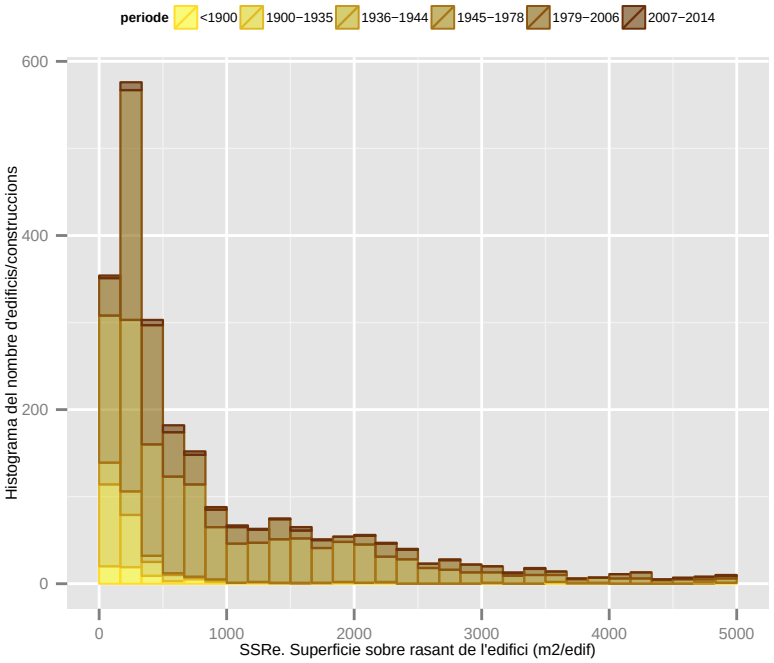


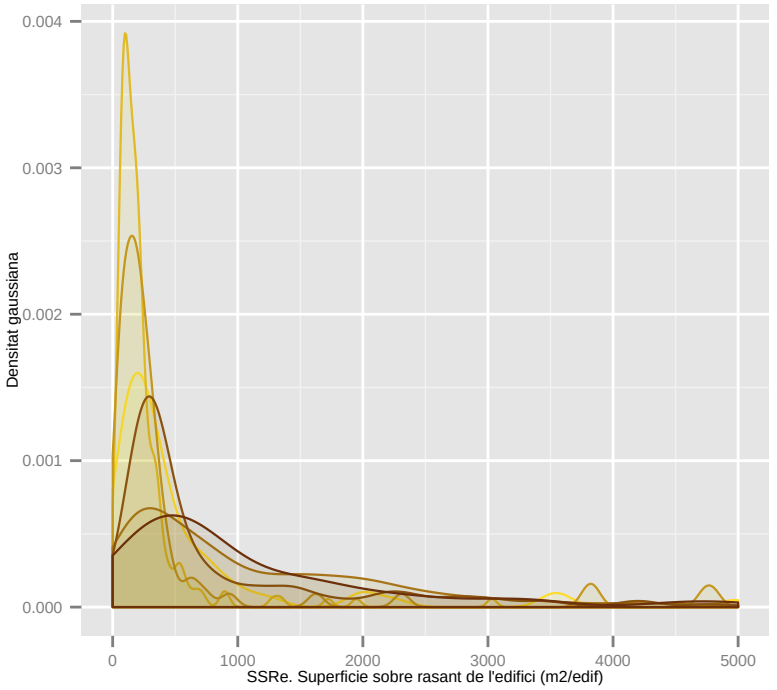
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

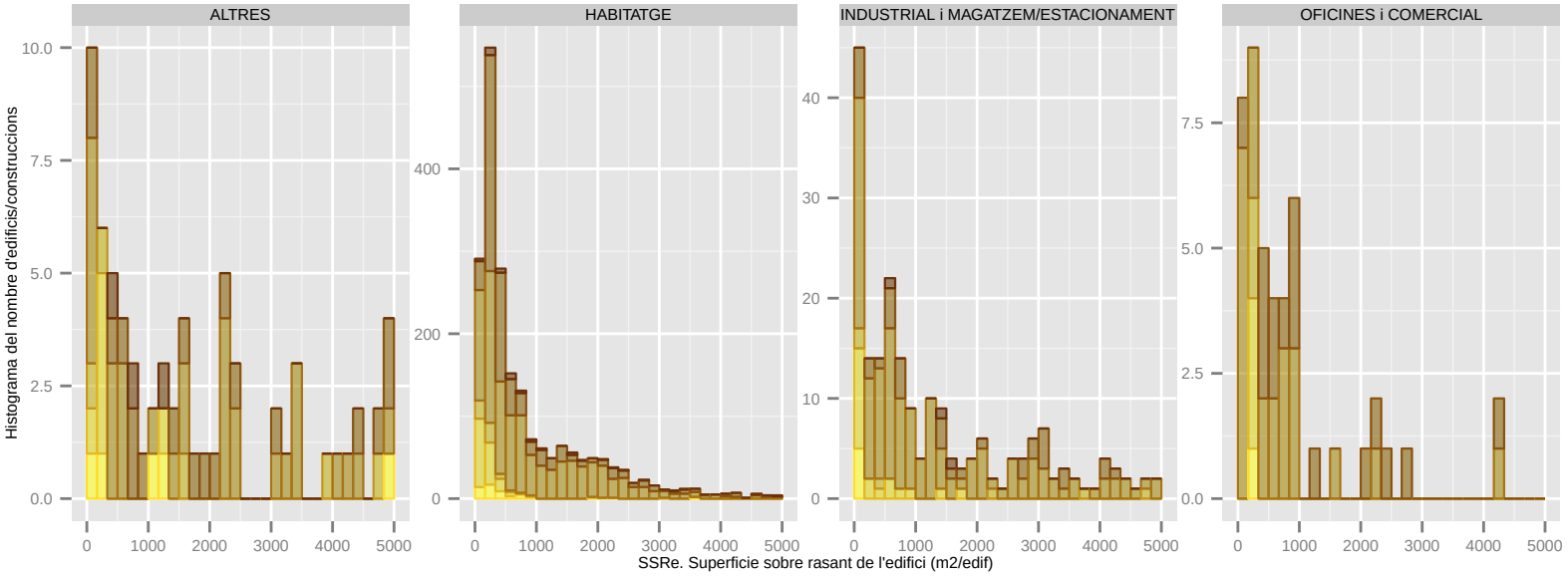
SSRe. Superficie sobre rasant de l'edifici (m2/edif): ESPLUGUES DE LLOBREGAT





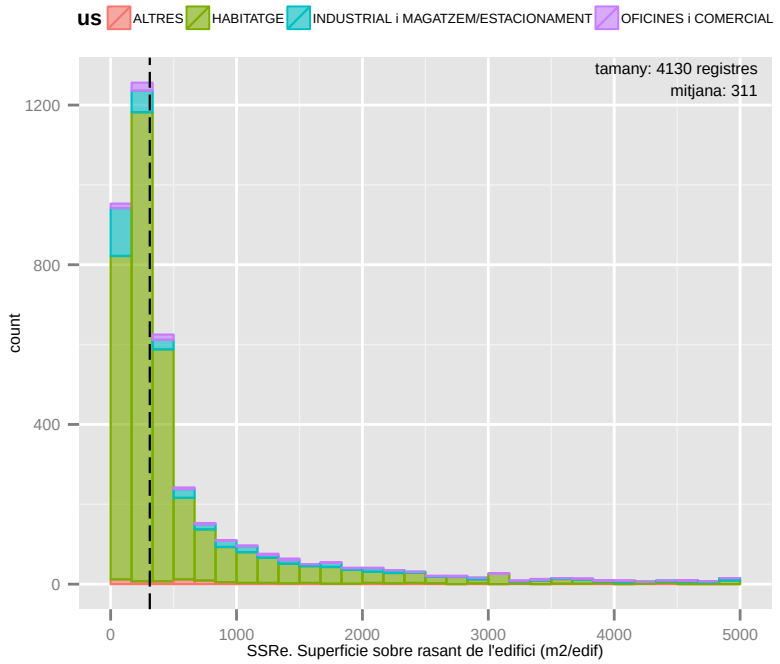


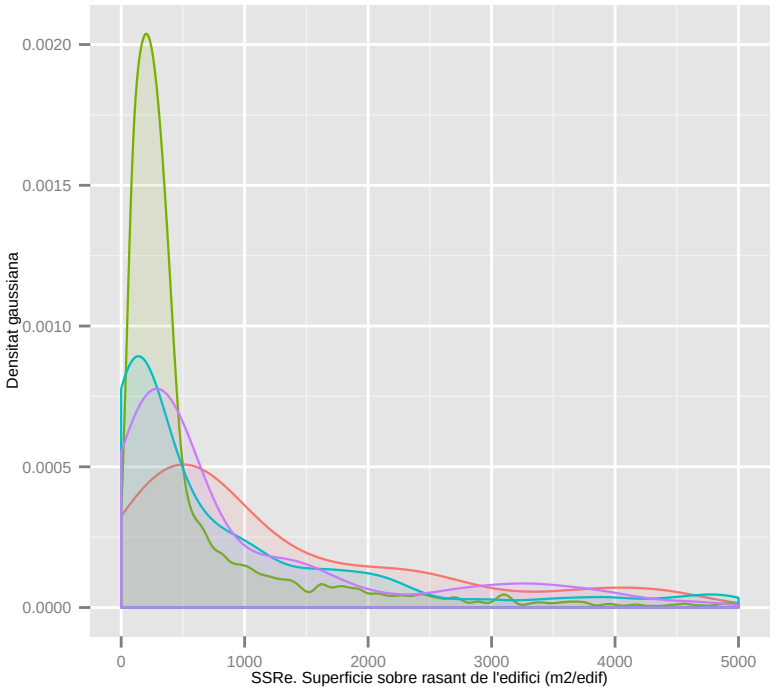


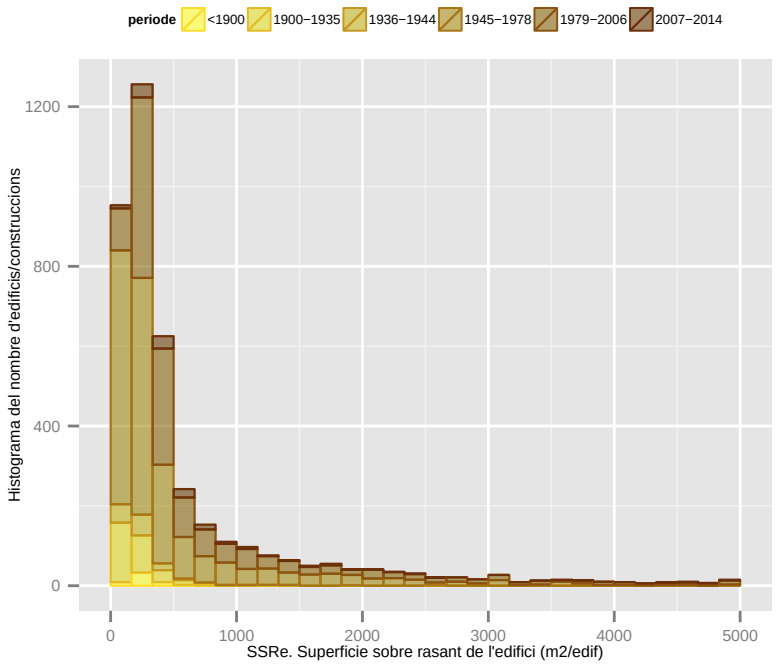


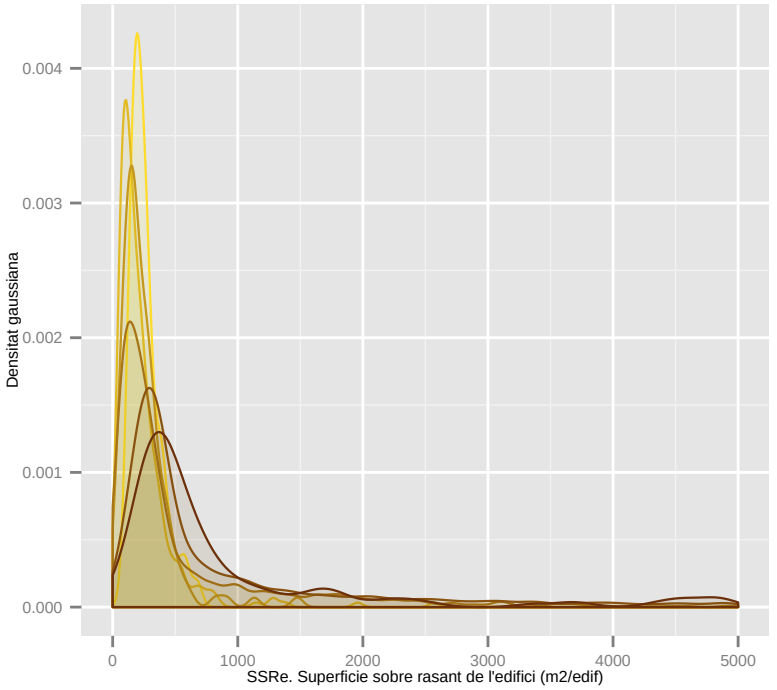
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

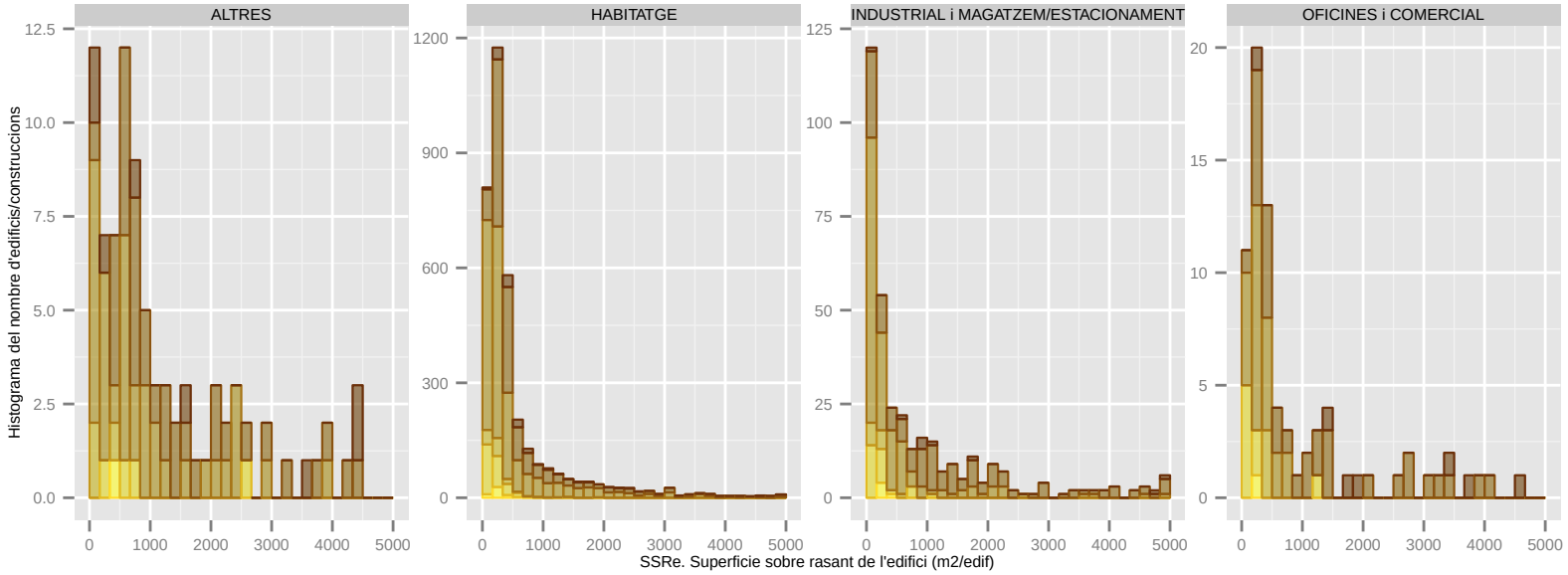
SSRe. Superficie sobre rasant de l'edifici (m2/edif): GAVA





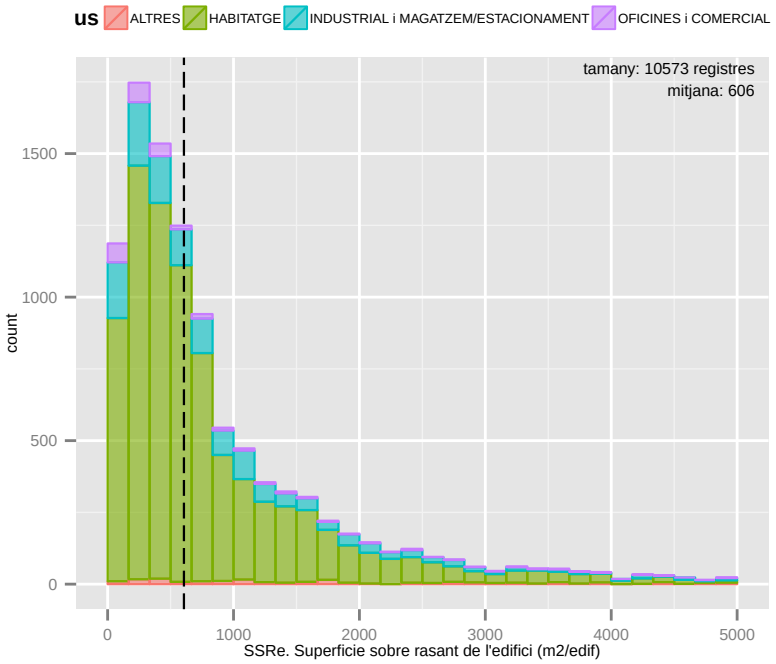


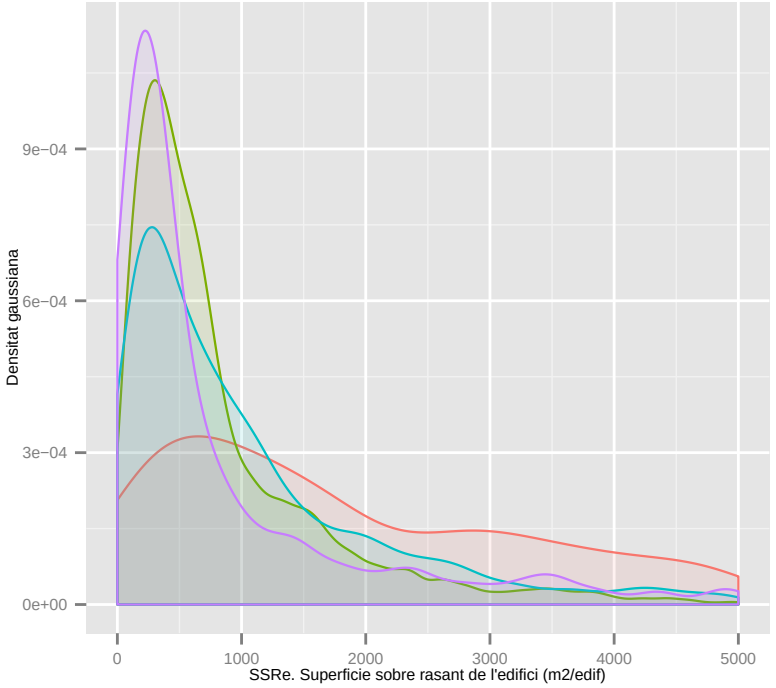


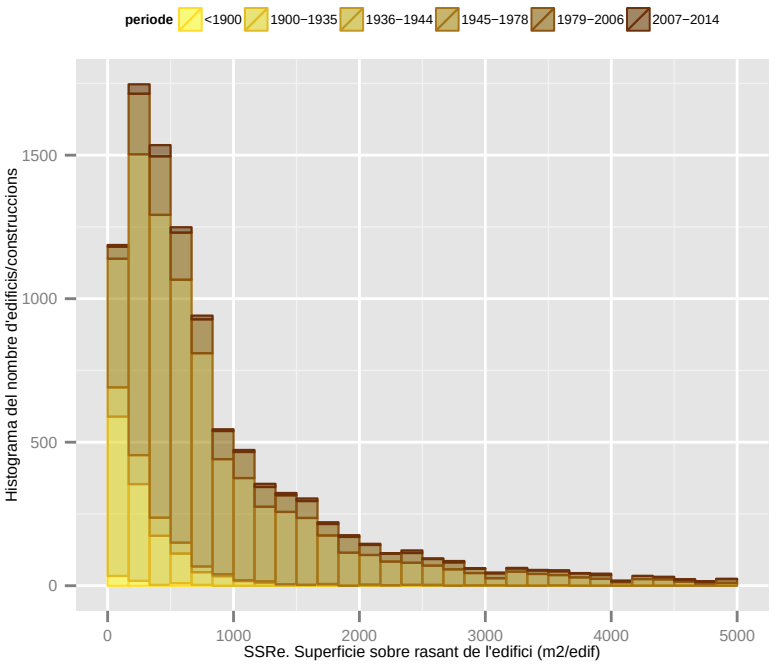


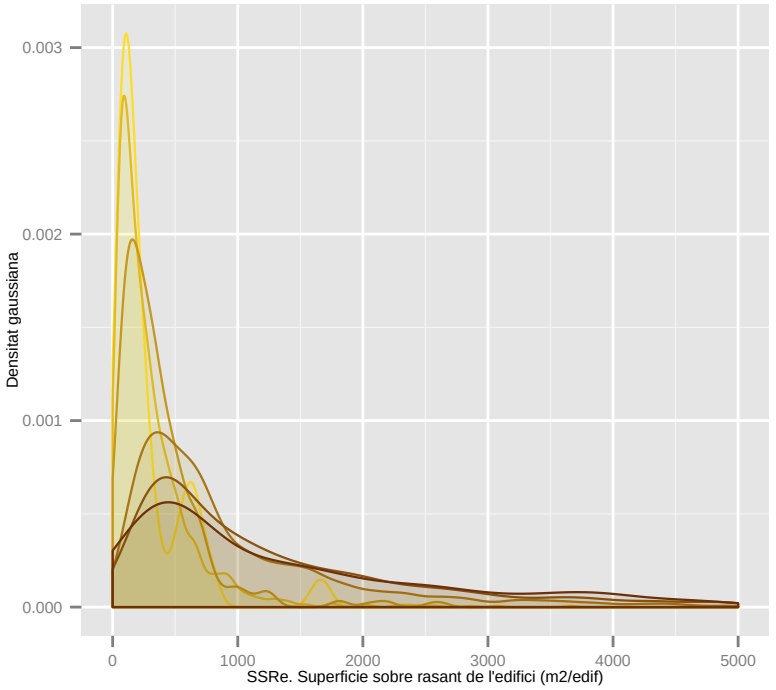
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

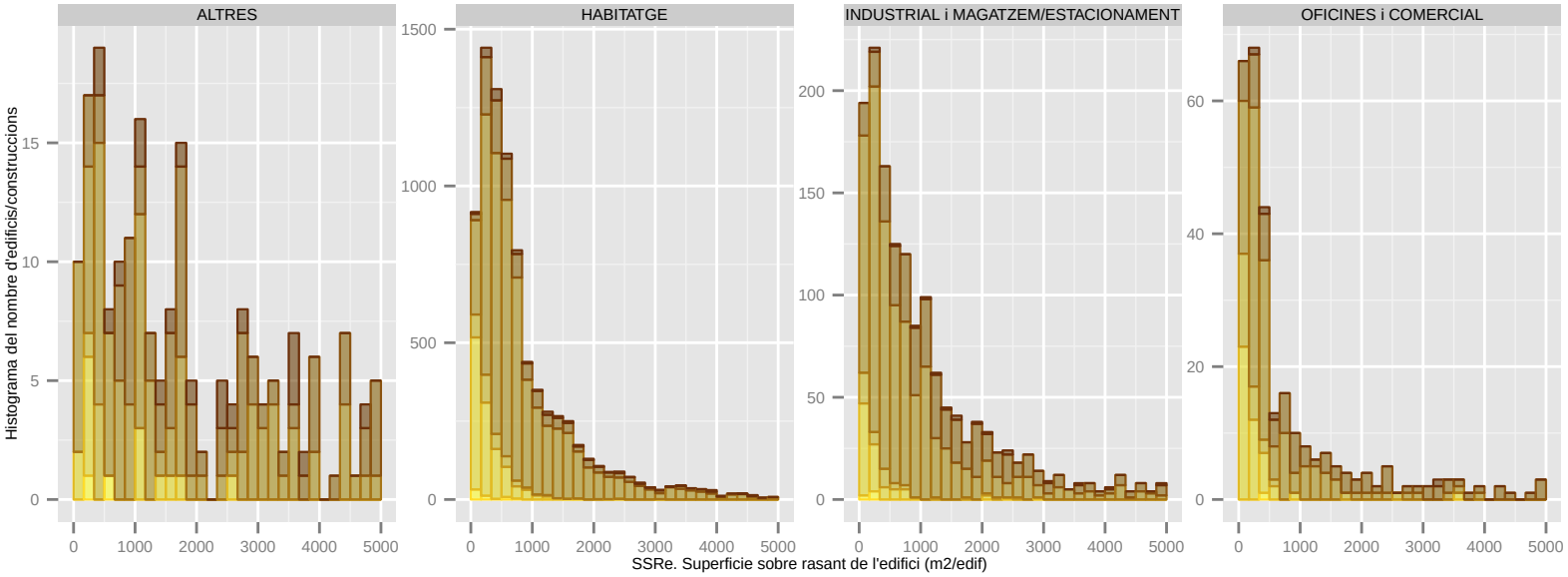
SSRe. Superficie sobre rasant de l'edifici (m2/edif): L'HOSPITALET DE LLOBREGAT





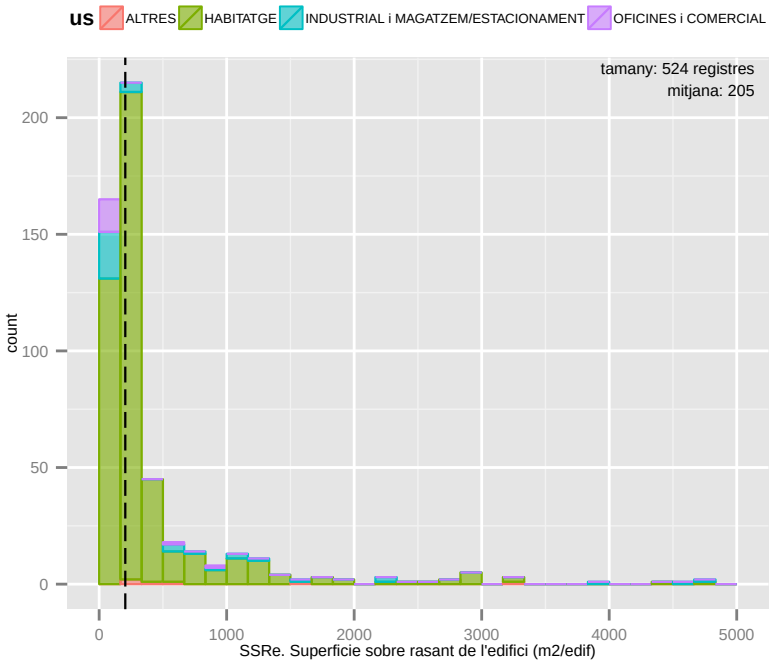


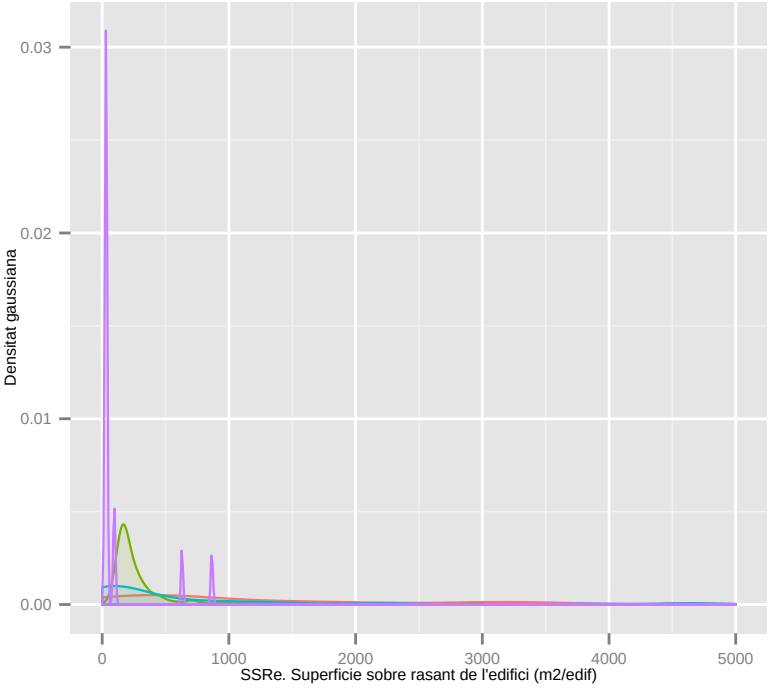


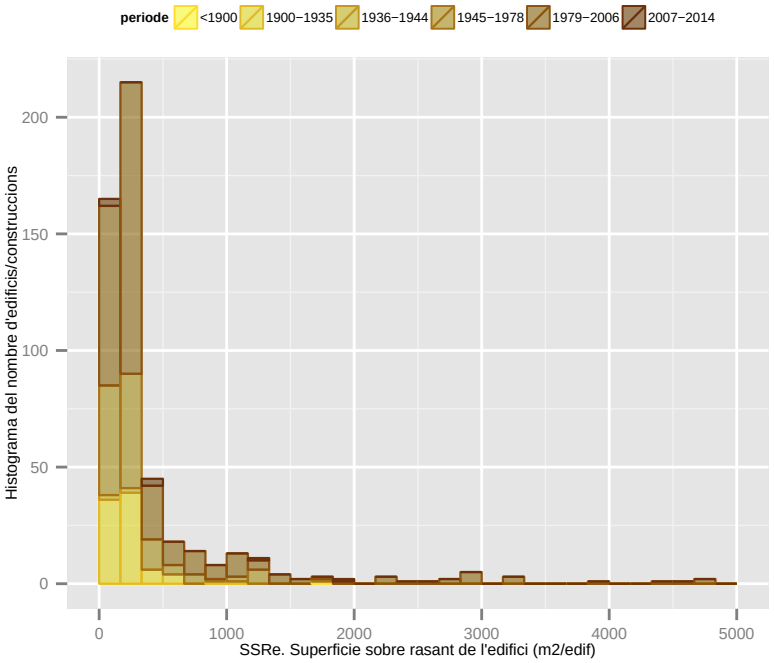


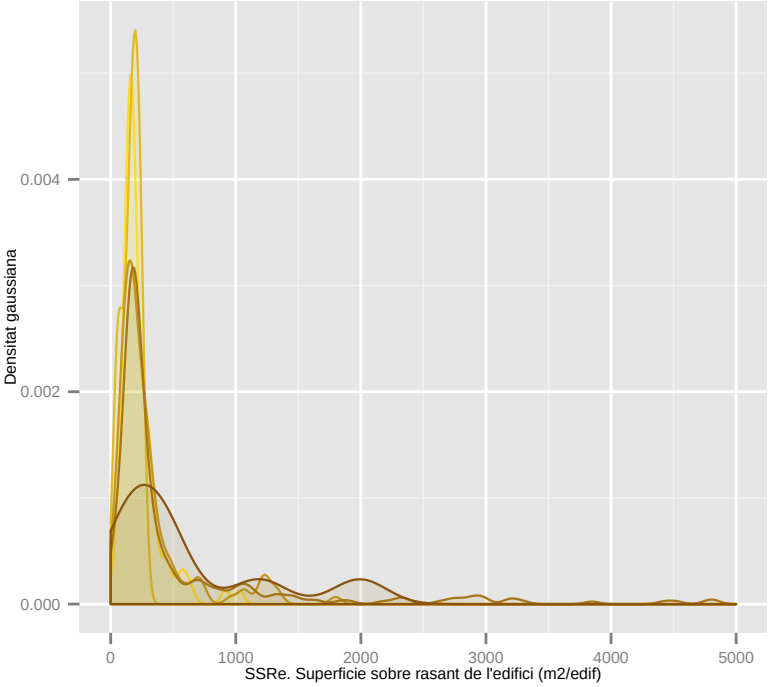
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

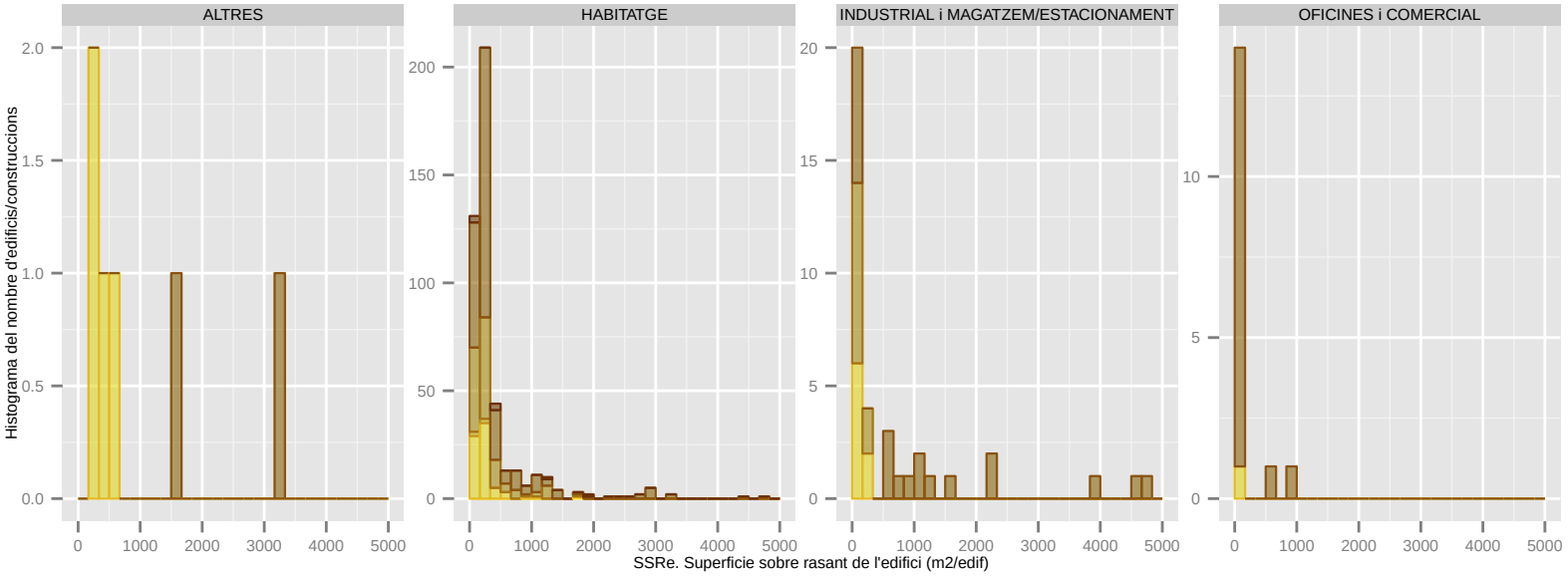
SSRe. Superficie sobre rasant de l'edifici (m2/edif): LA PALMA DE CERVELLO





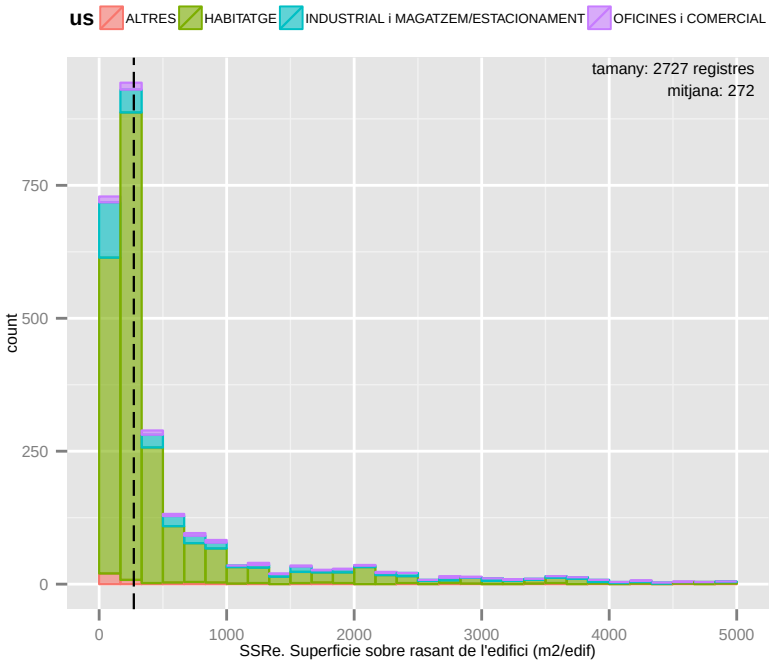


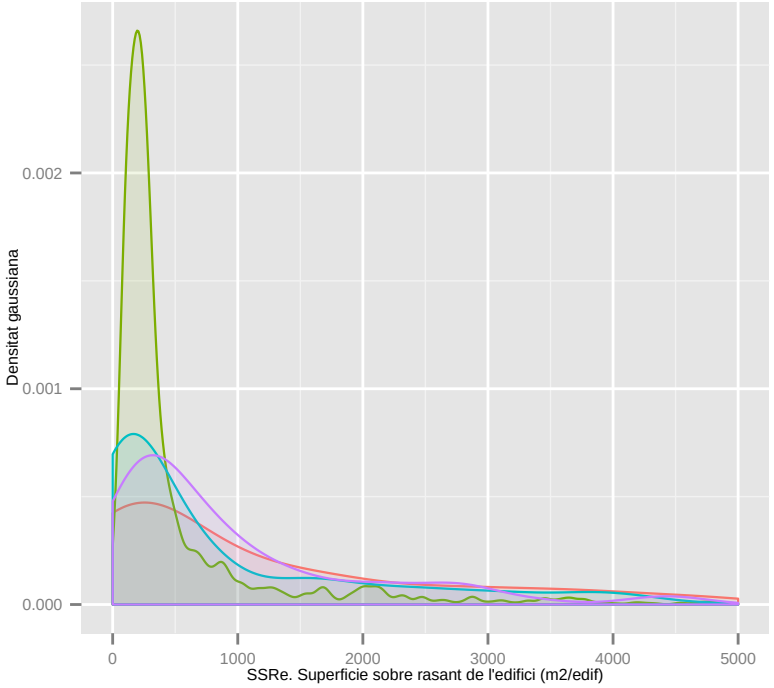


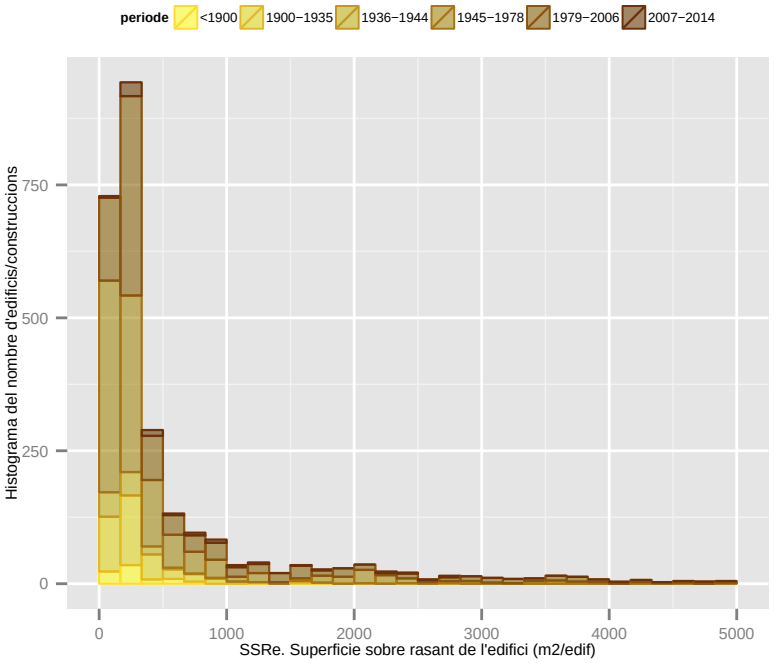


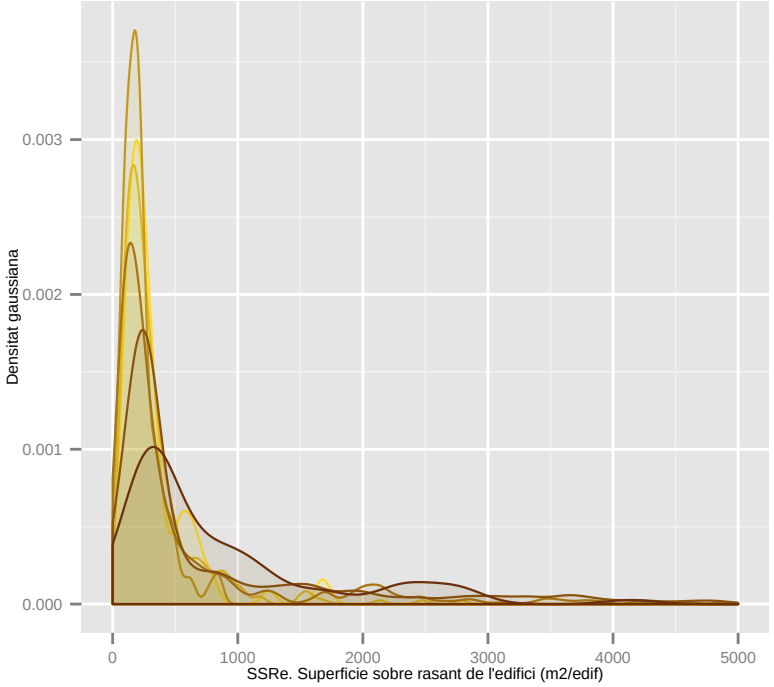
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

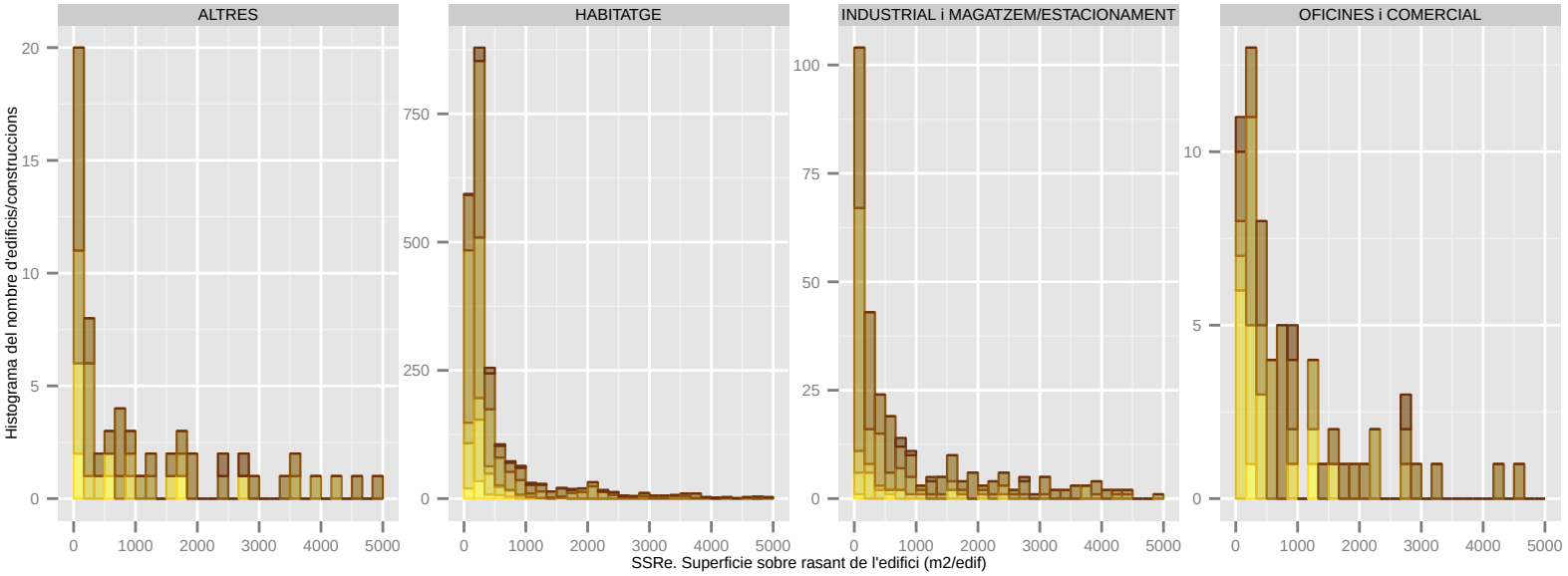
SSRe. Superficie sobre rasant de l'edifici (m2/edif): MOLINS DE REI





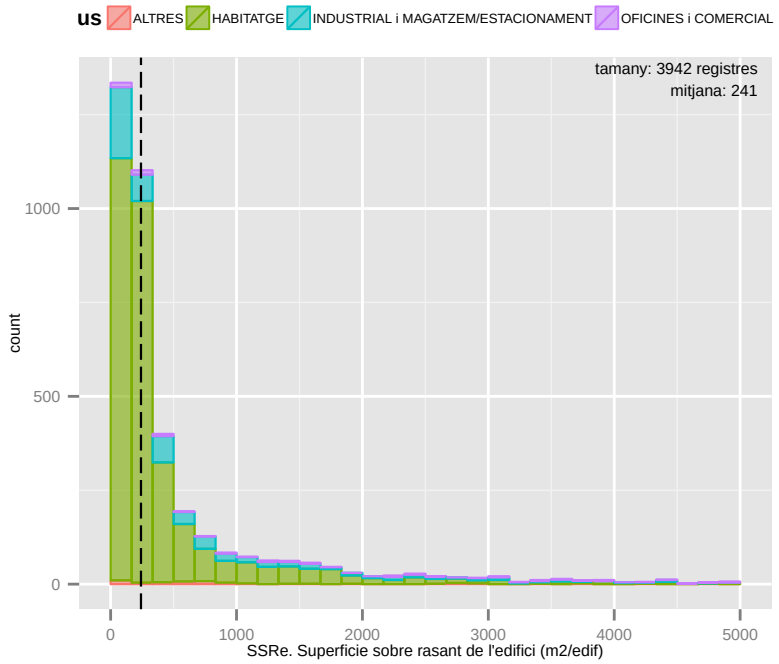


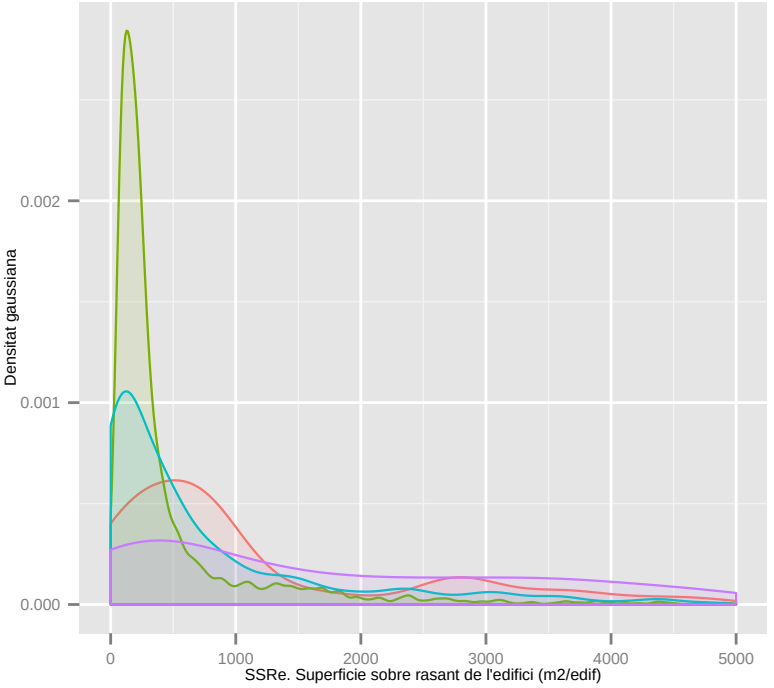


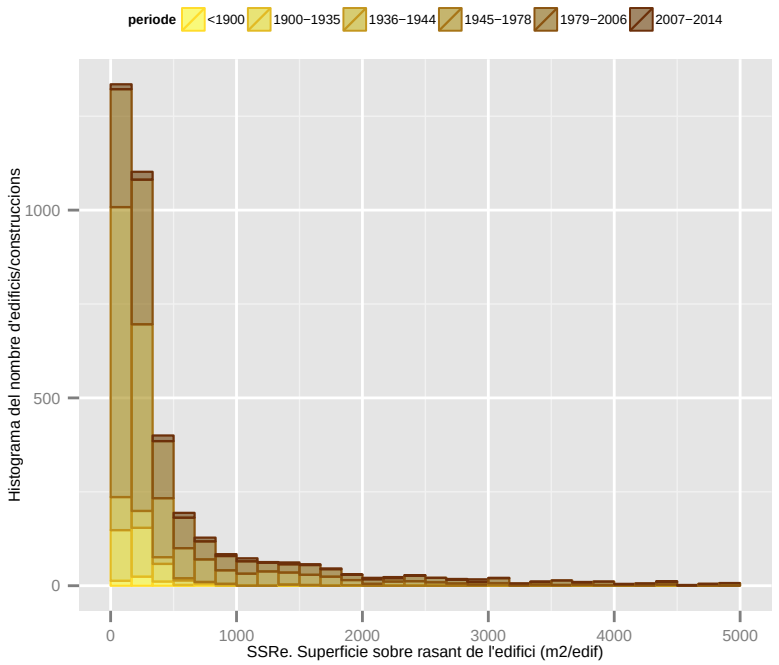


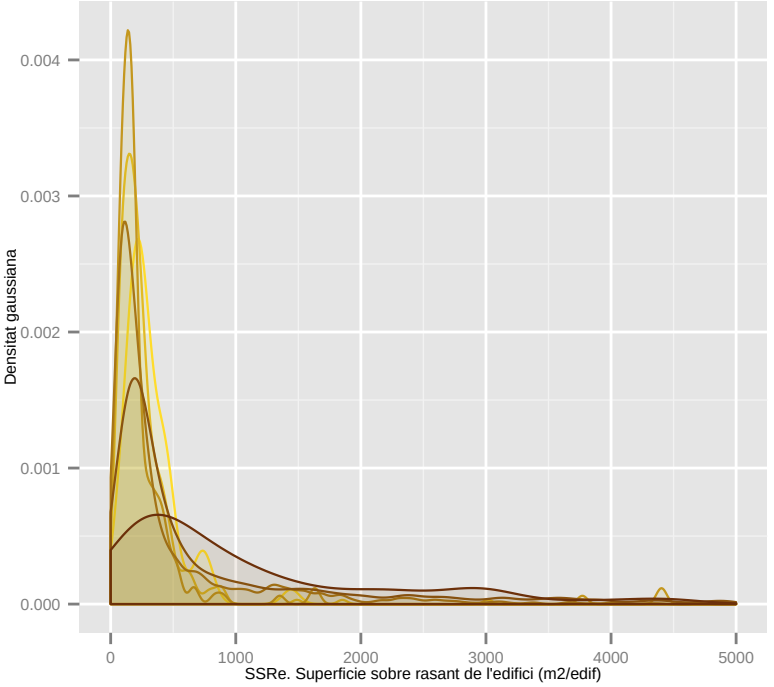
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

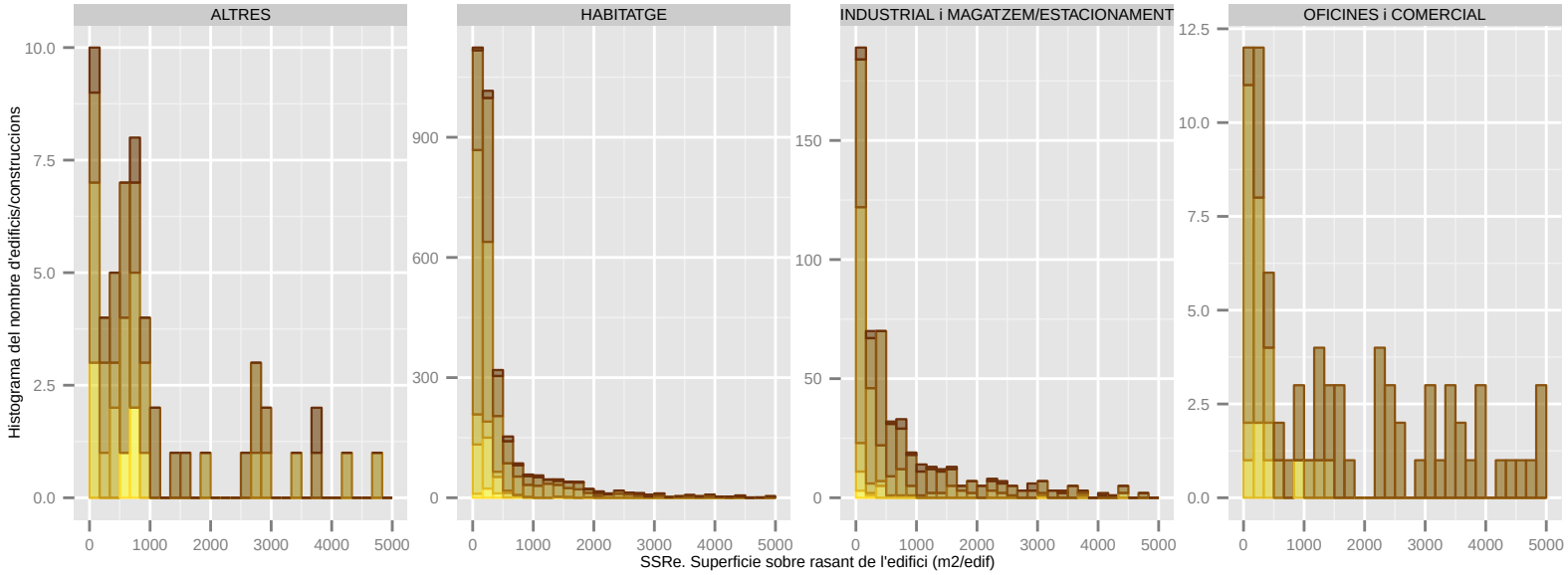
SSRe. Superficie sobre rasant de l'edifici (m2/edif): MONTCADA I REIXAC





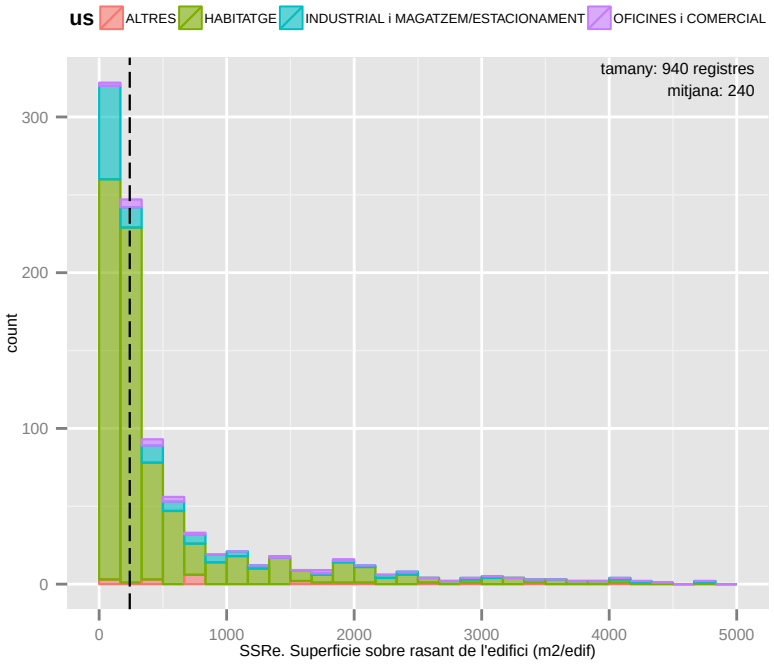


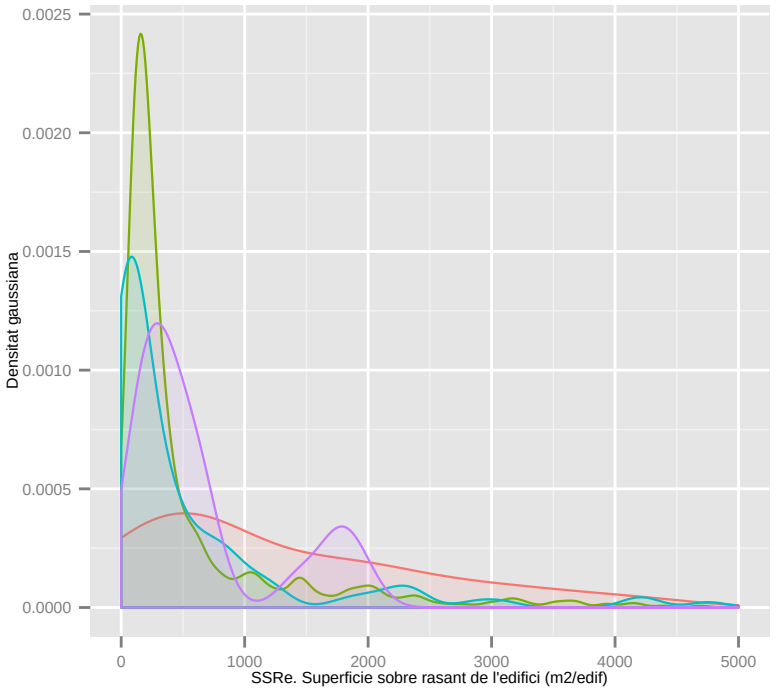


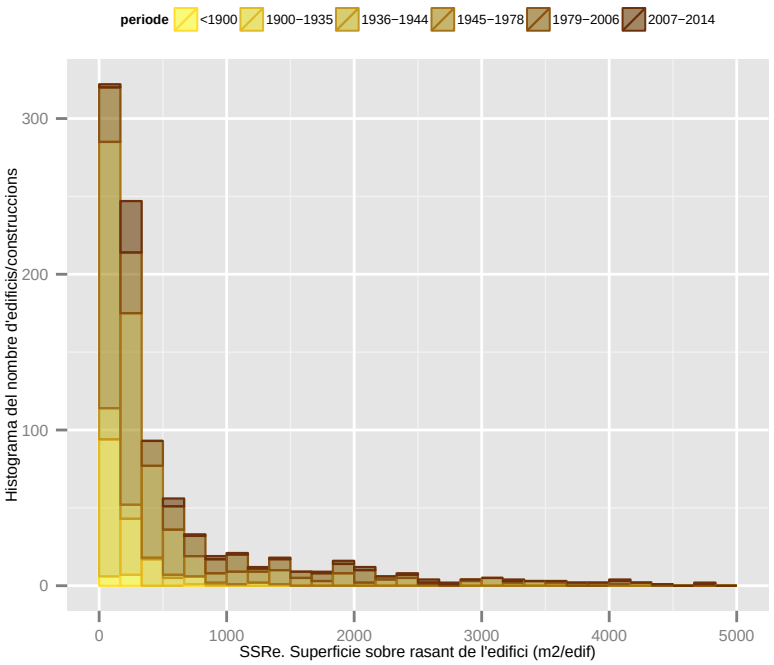


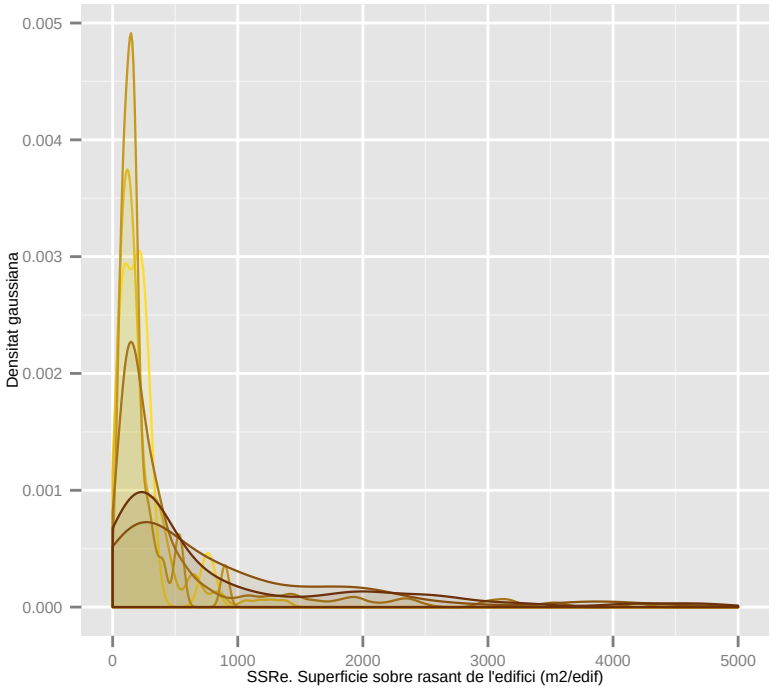
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

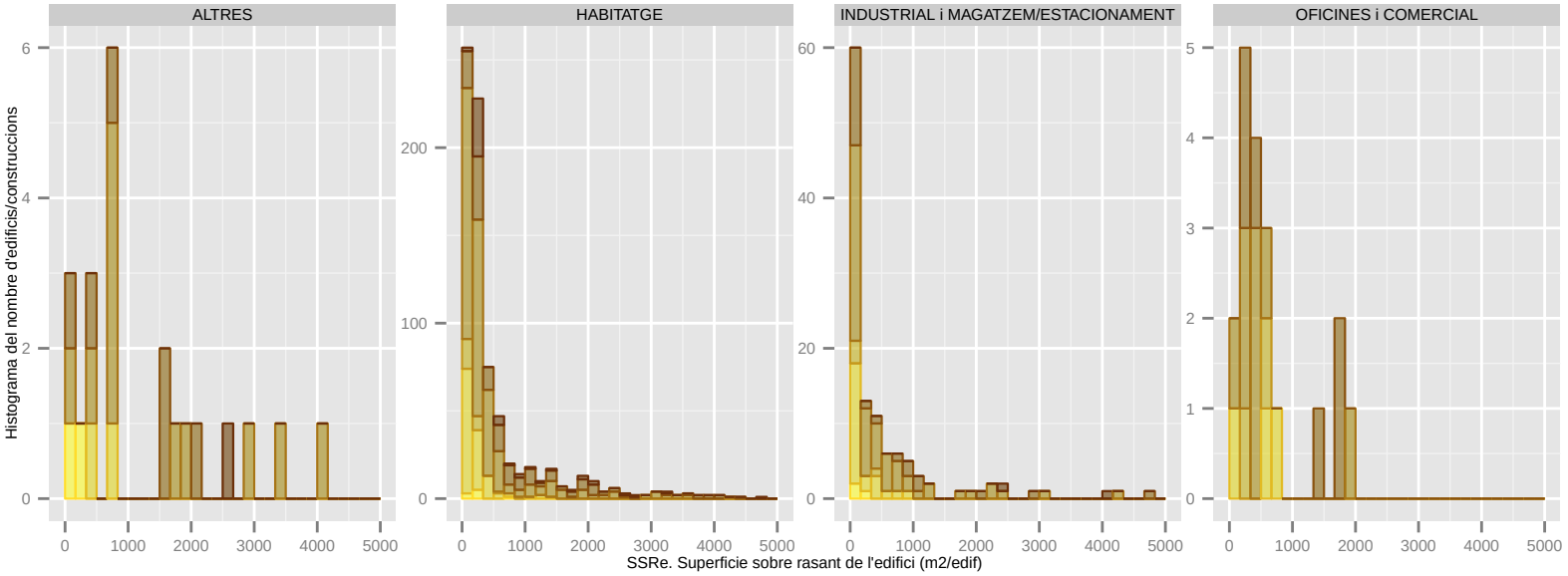
SSRe. Superficie sobre rasant de l'edifici (m2/edif): MONTGAT





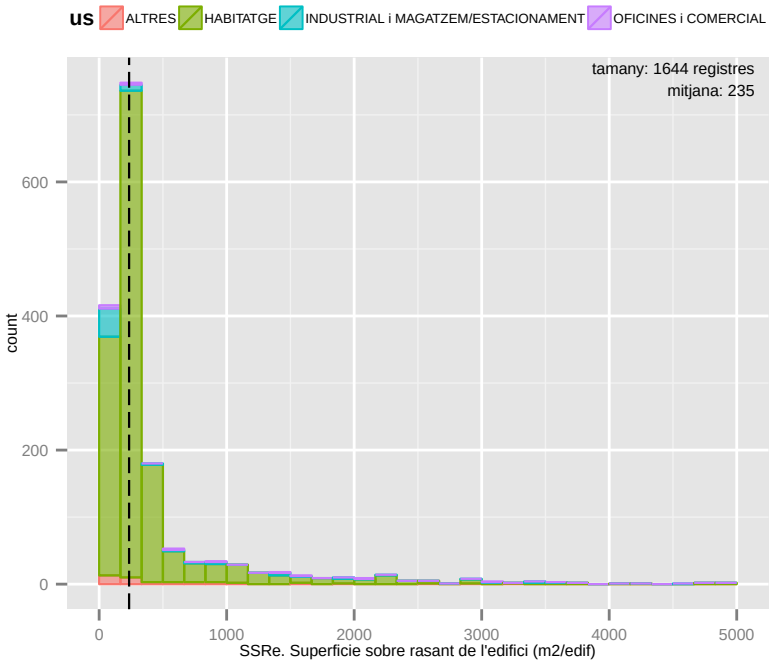


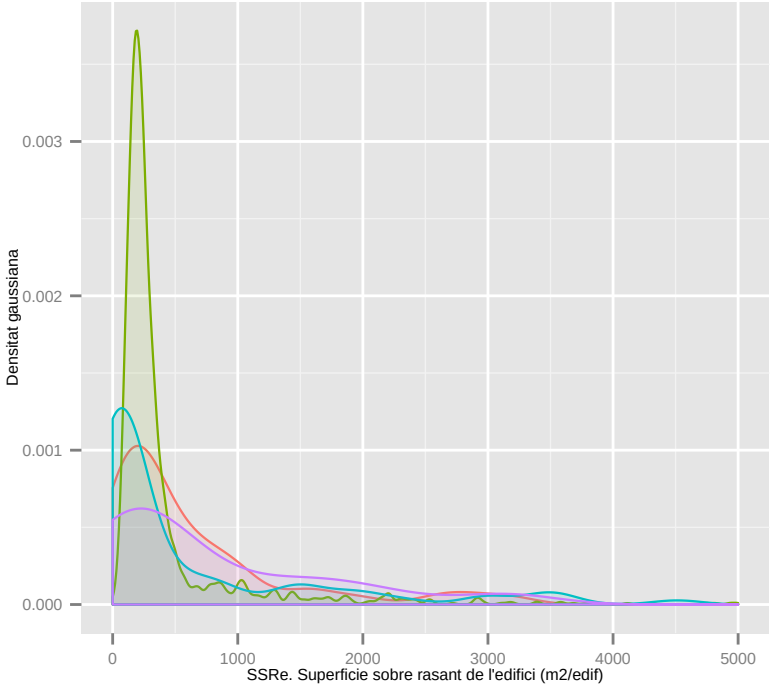


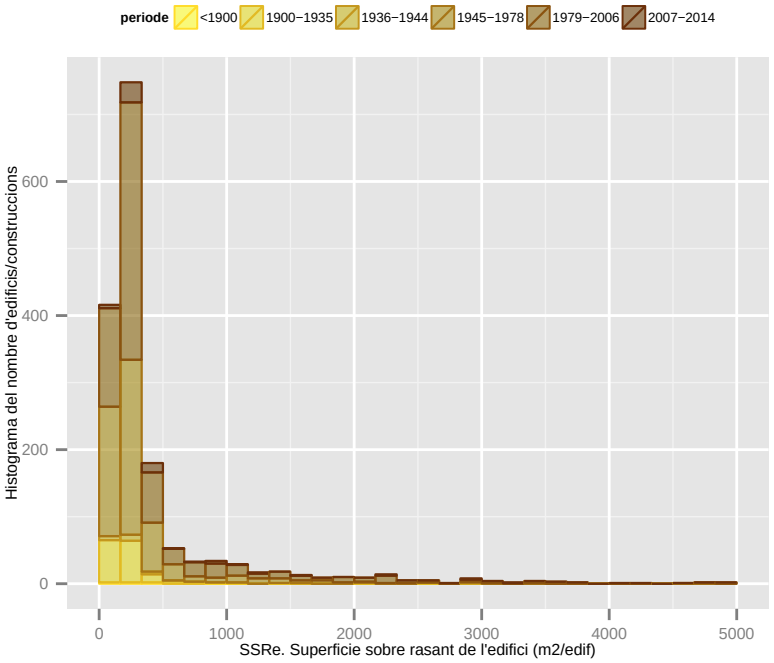


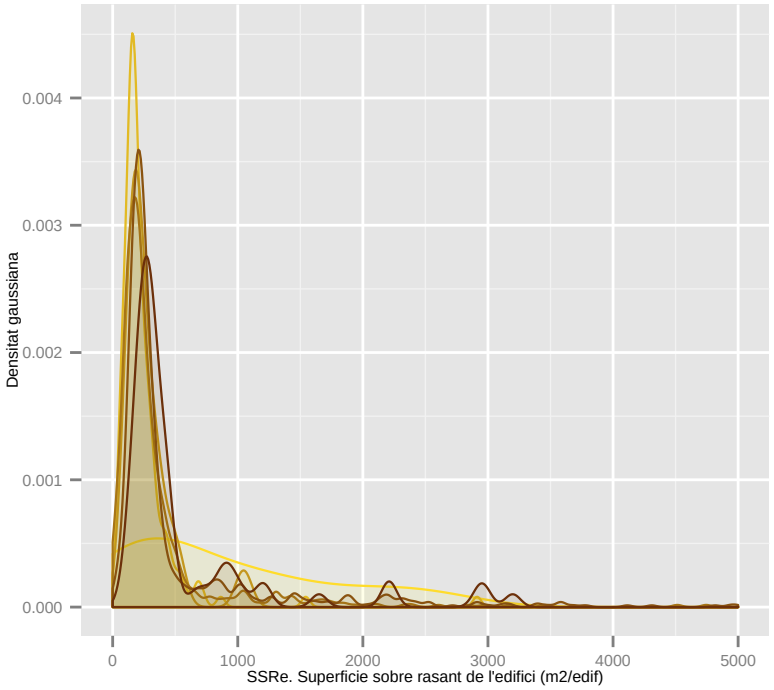
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

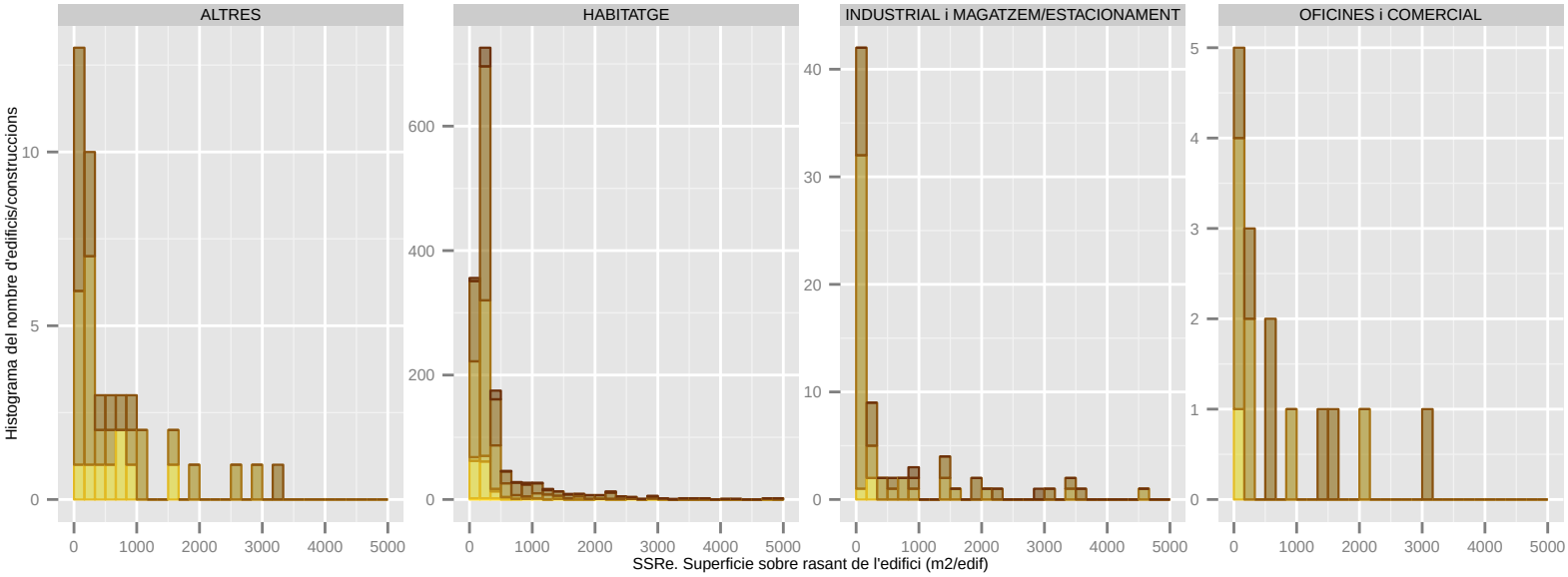
SSRe. Superficie sobre rasant de l'edifici (m2/edif): PALLEJA





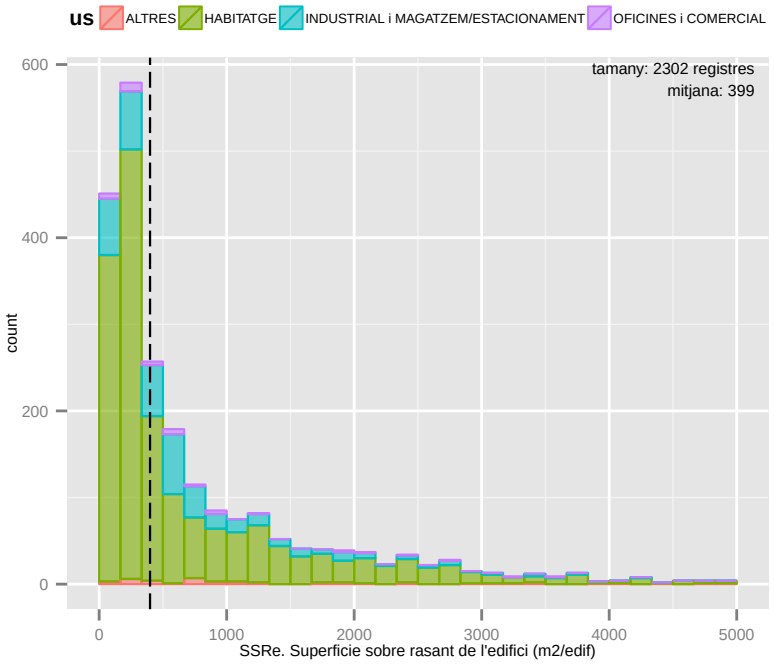


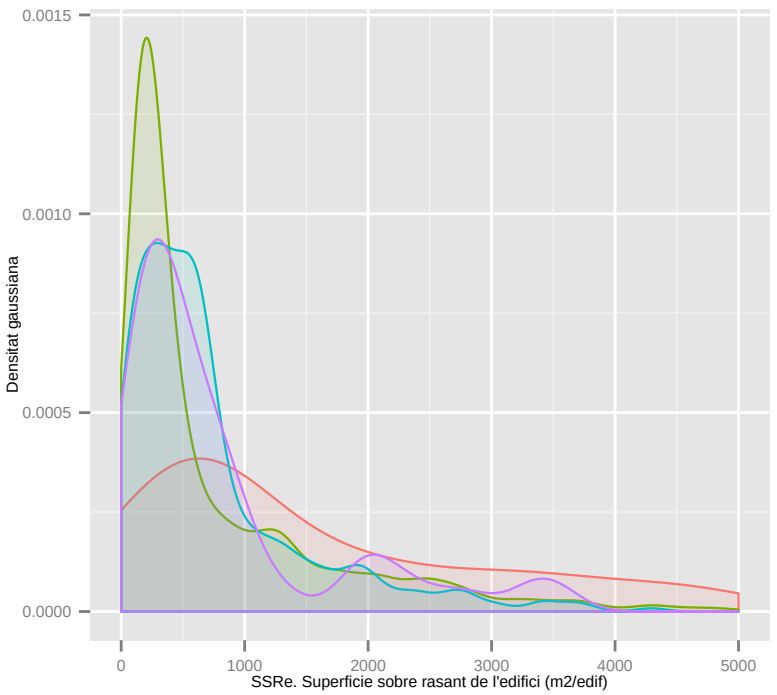


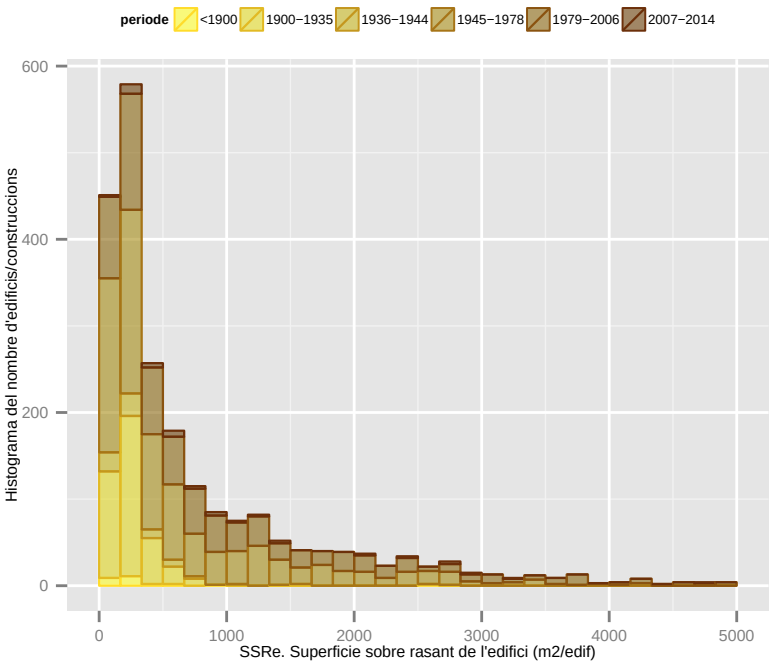


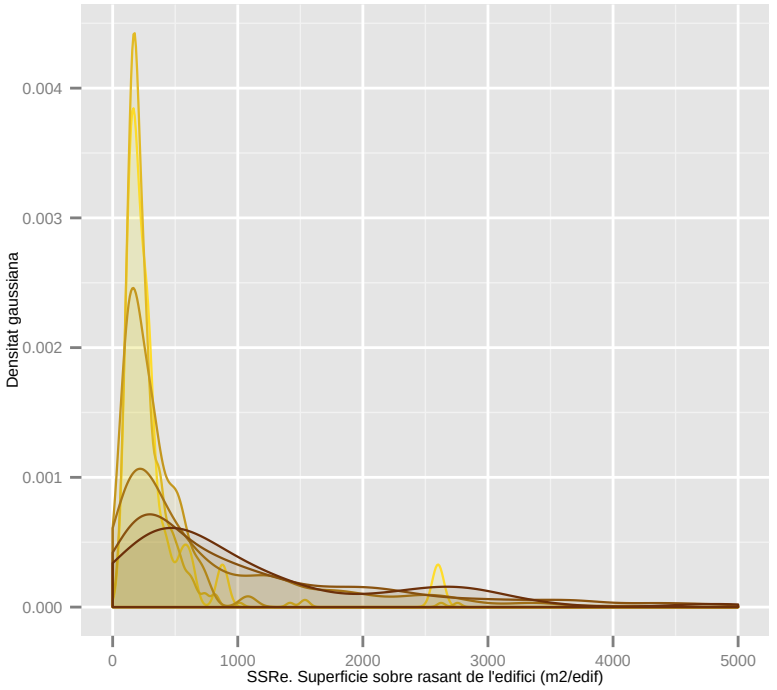
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

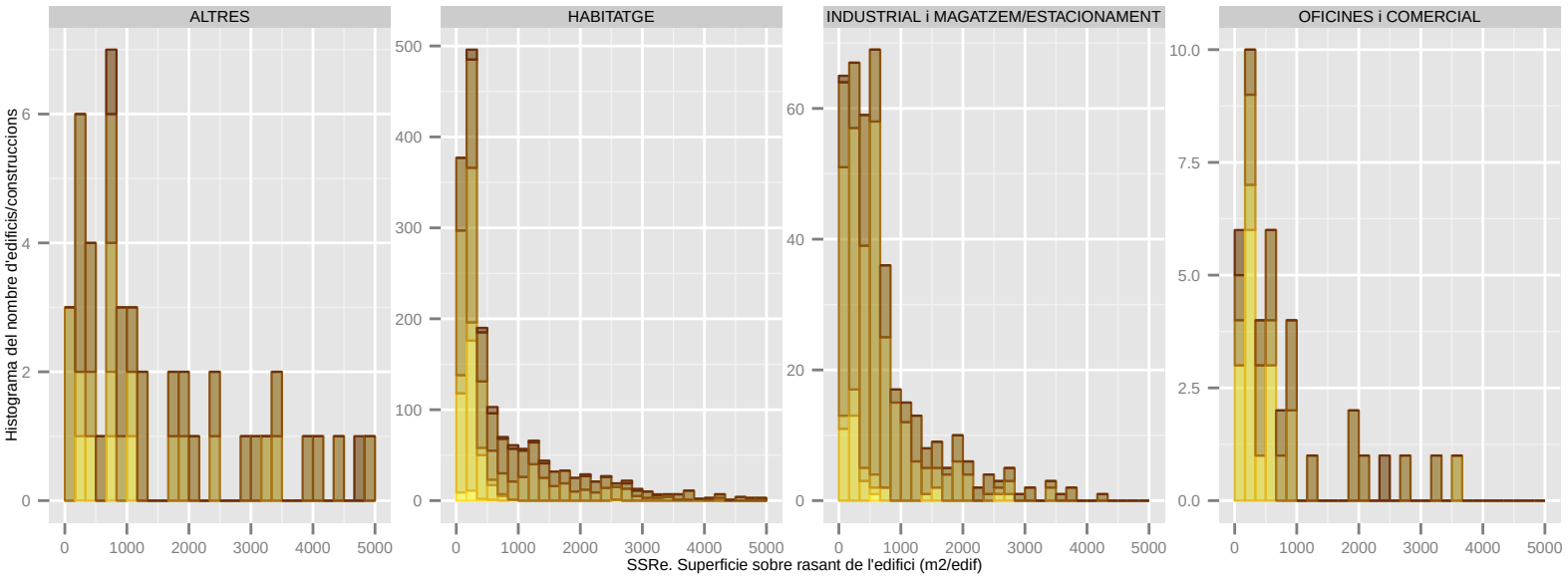
SSRe. Superficie sobre rasant de l'edifici (m2/edif): RIPOLLET





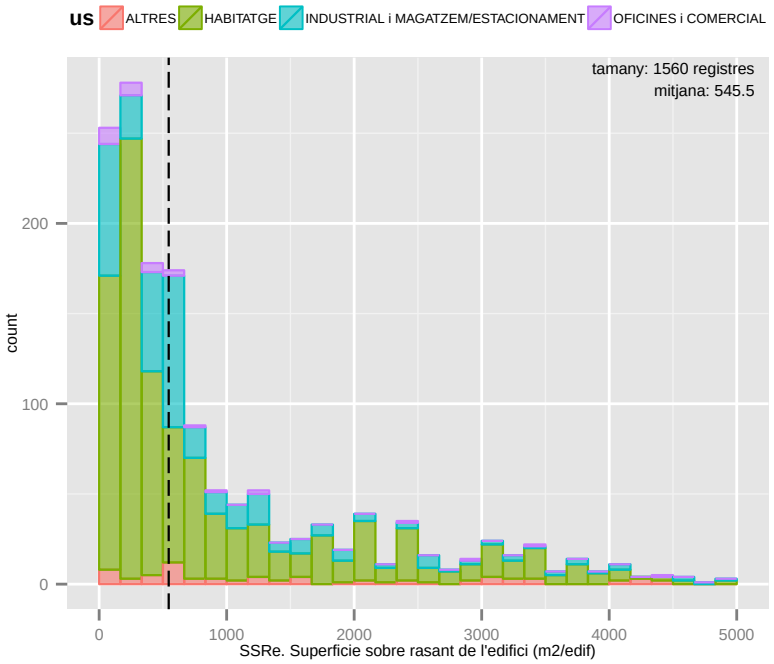


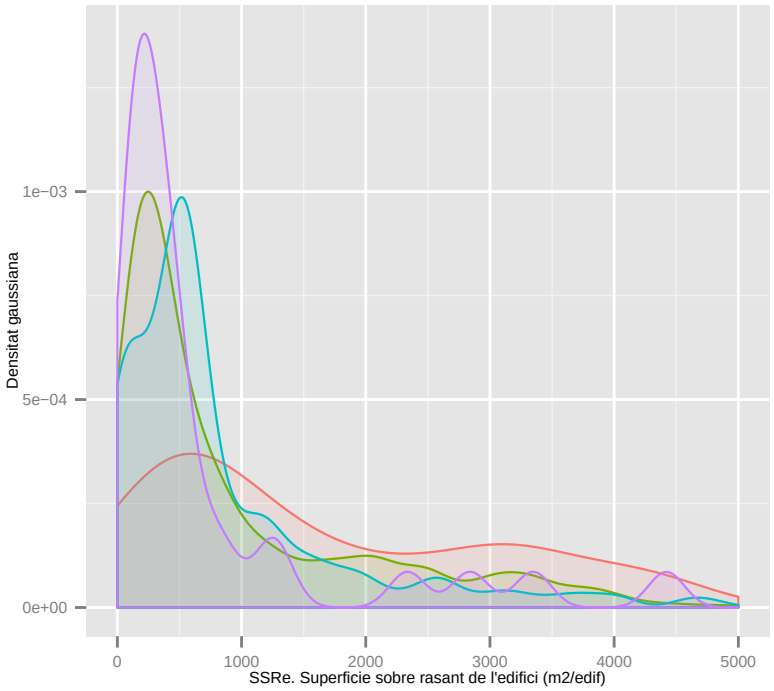


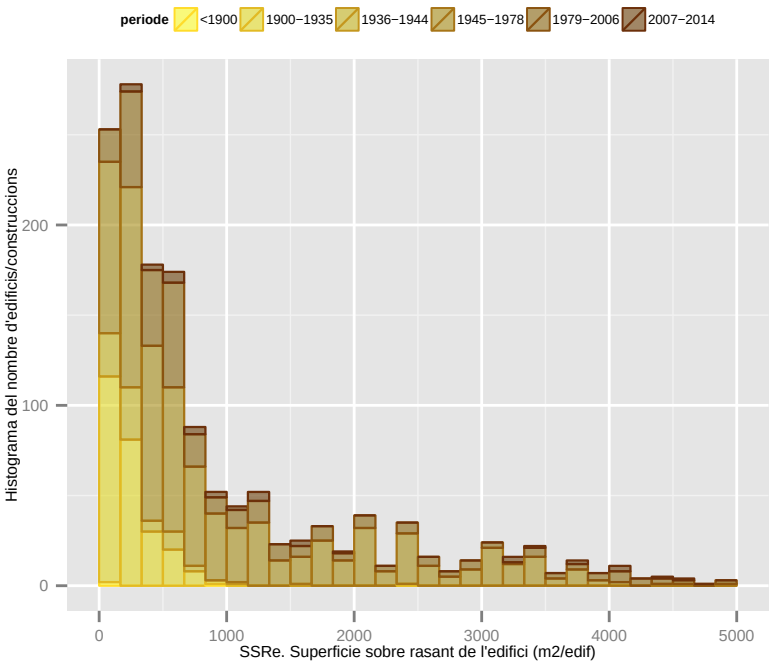


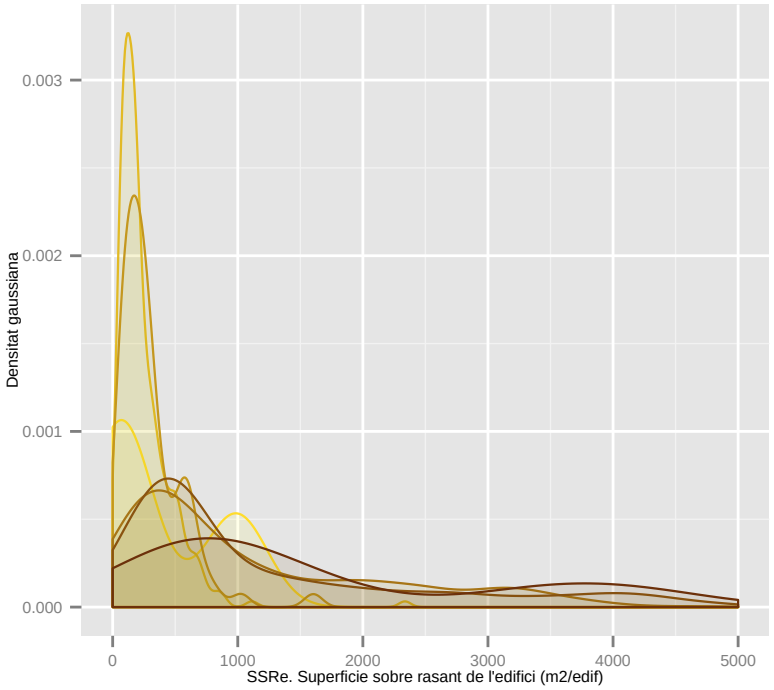
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

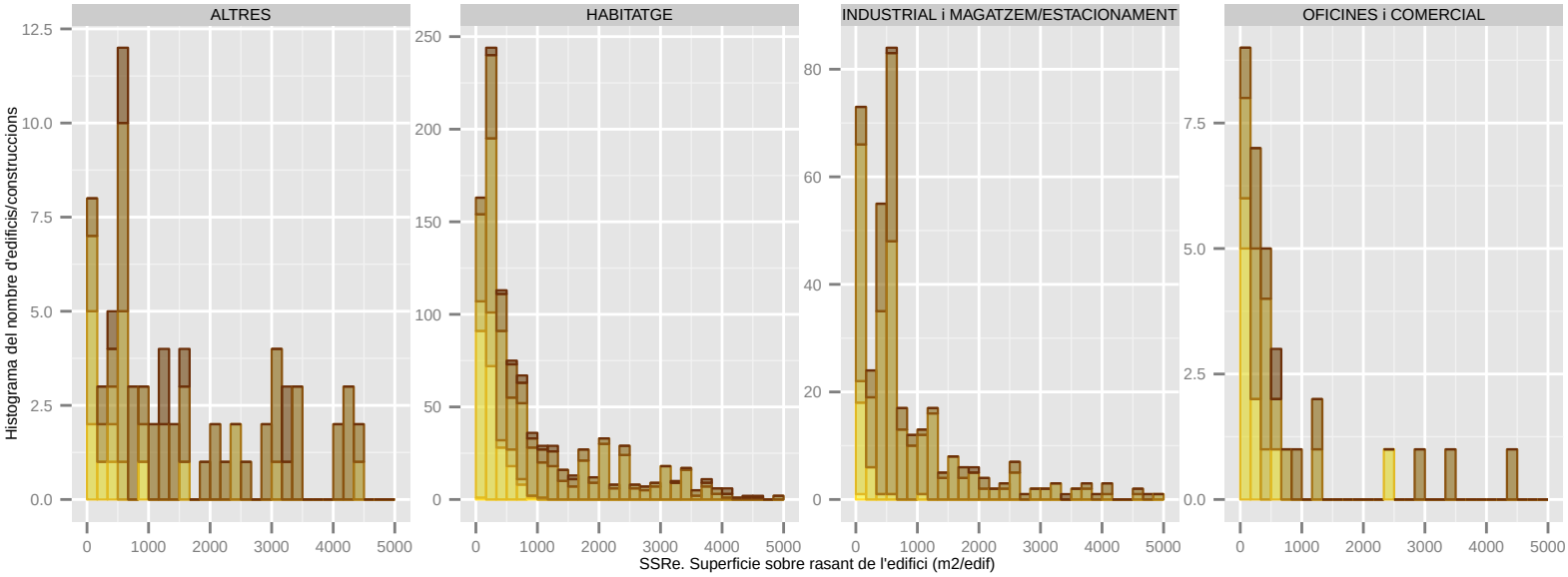
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANT ADRIA DE BESOS





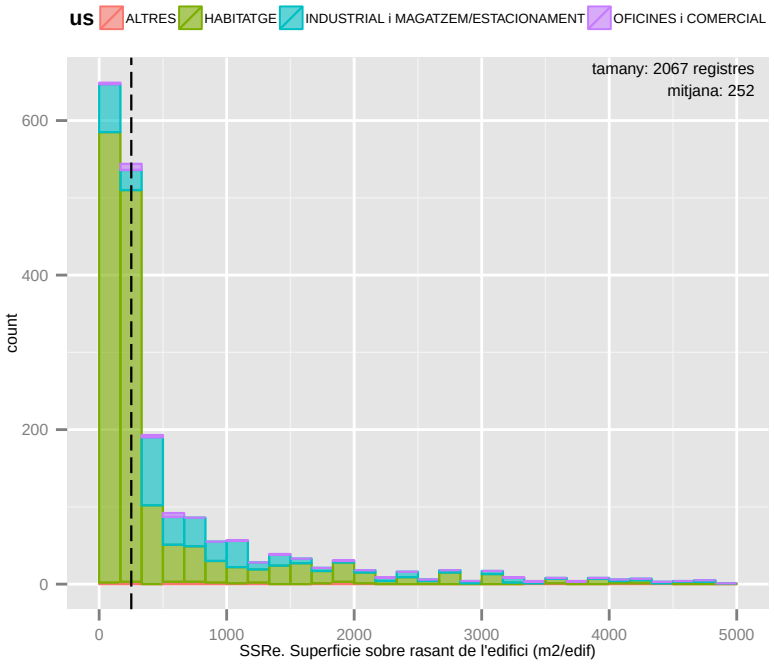


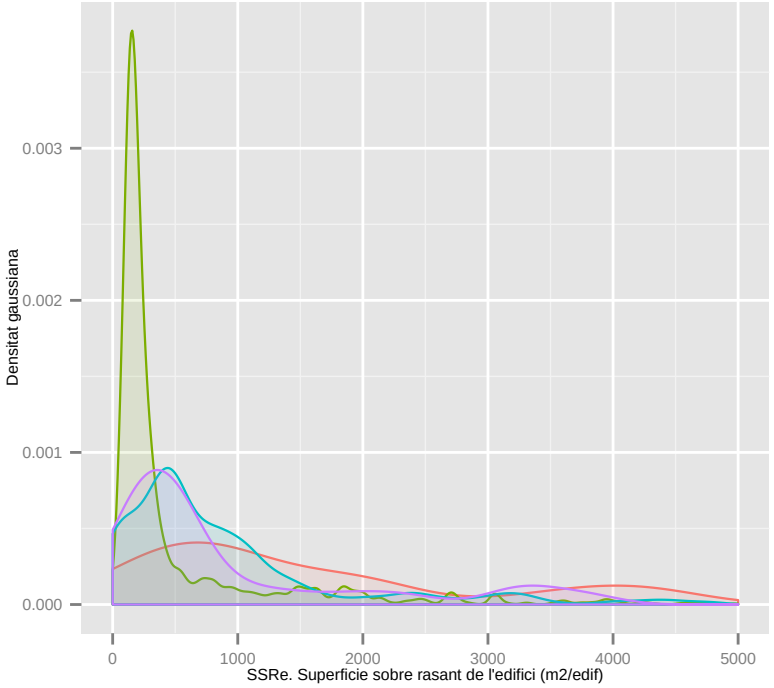


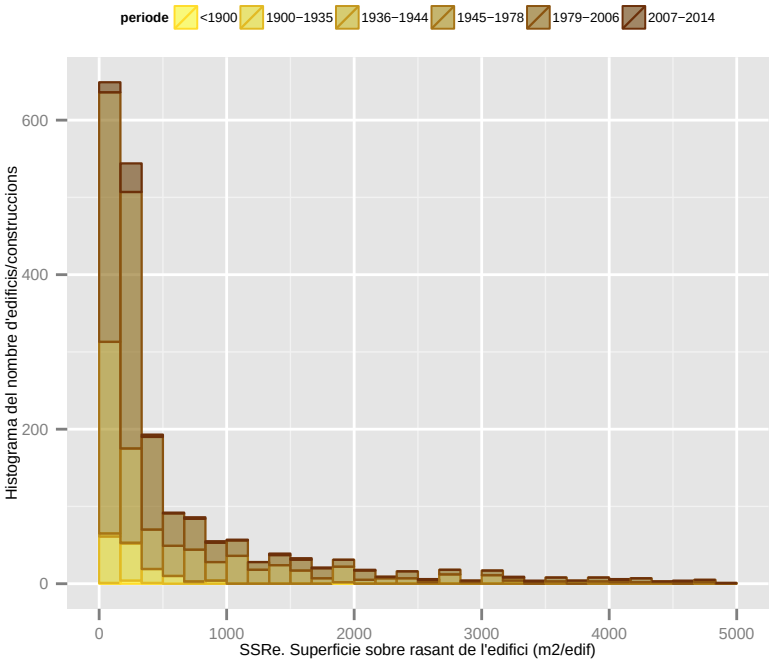


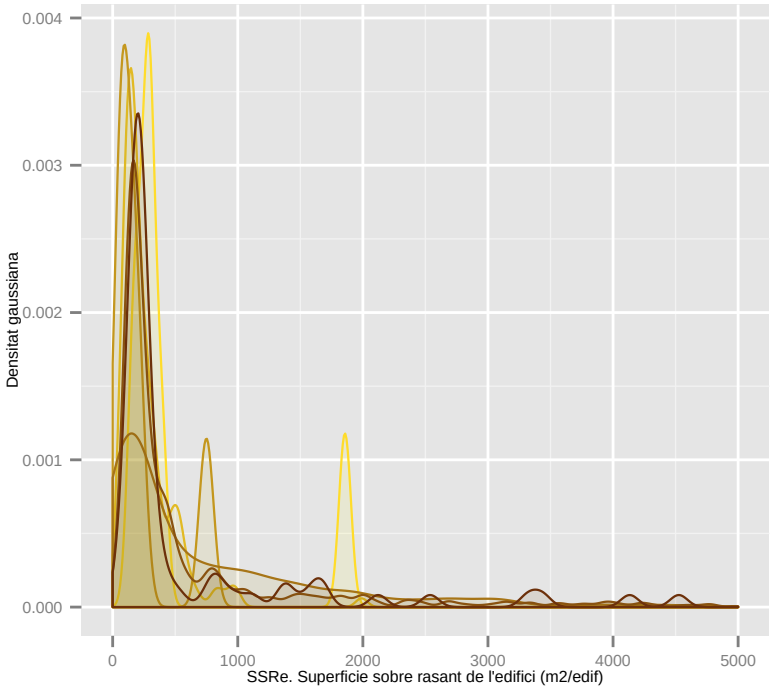
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

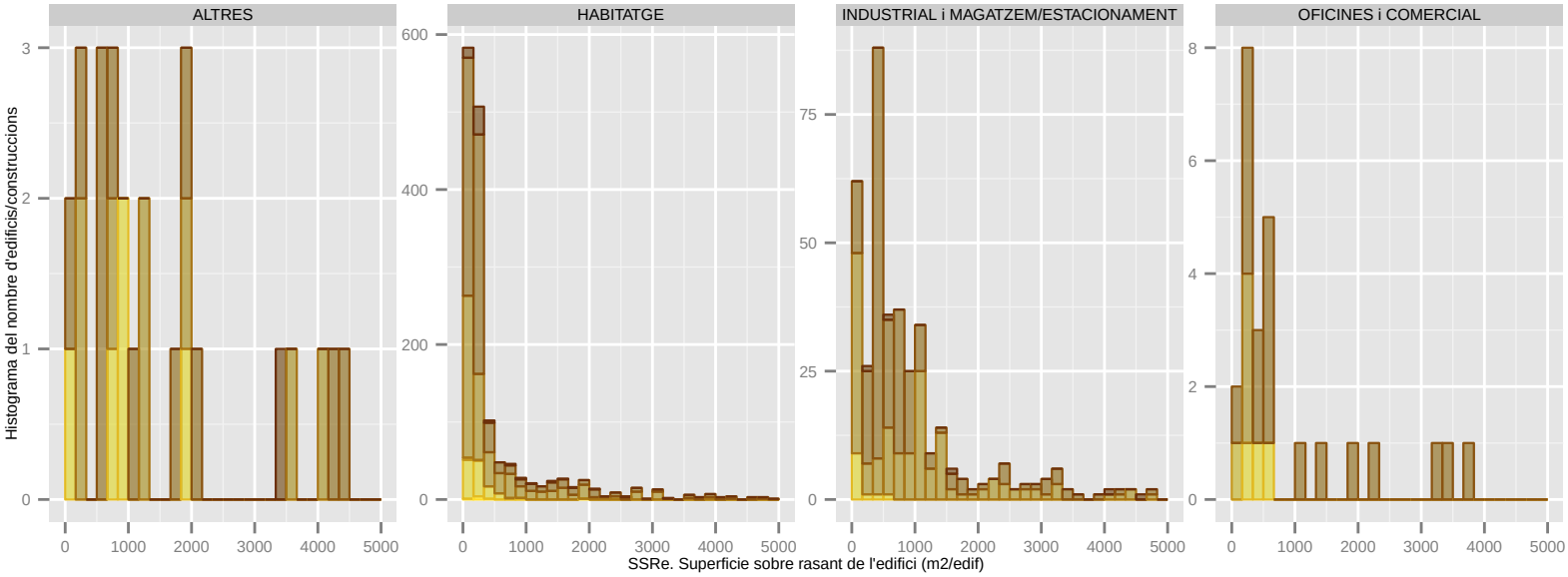
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANT ANDREU DE LA BARCA





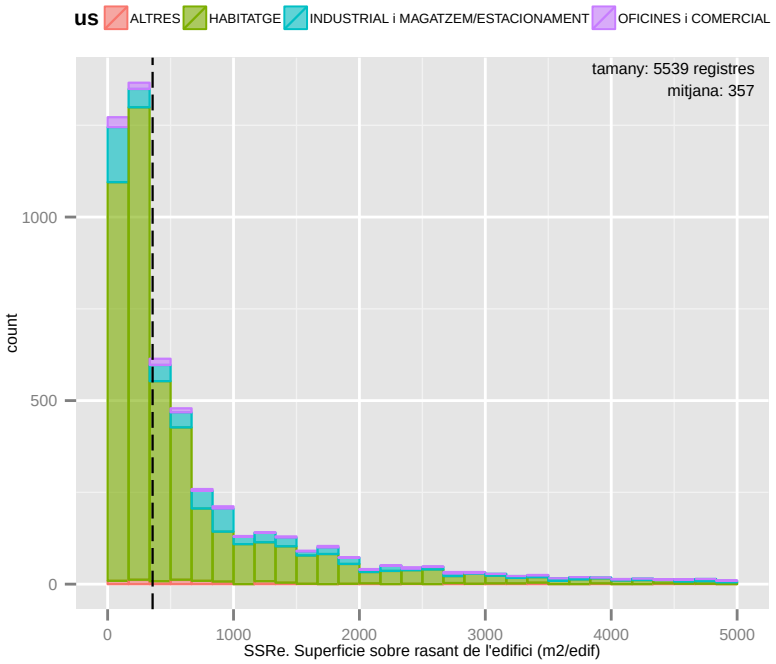


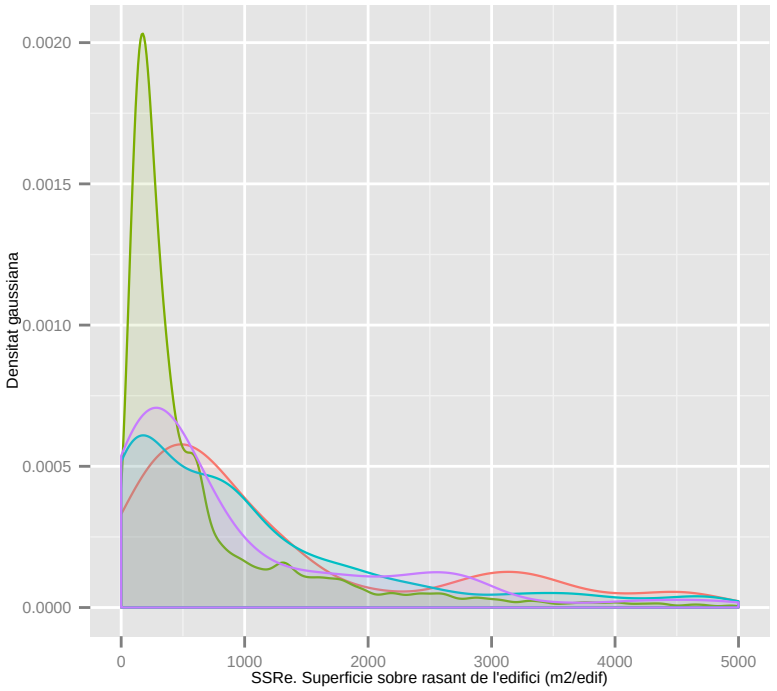


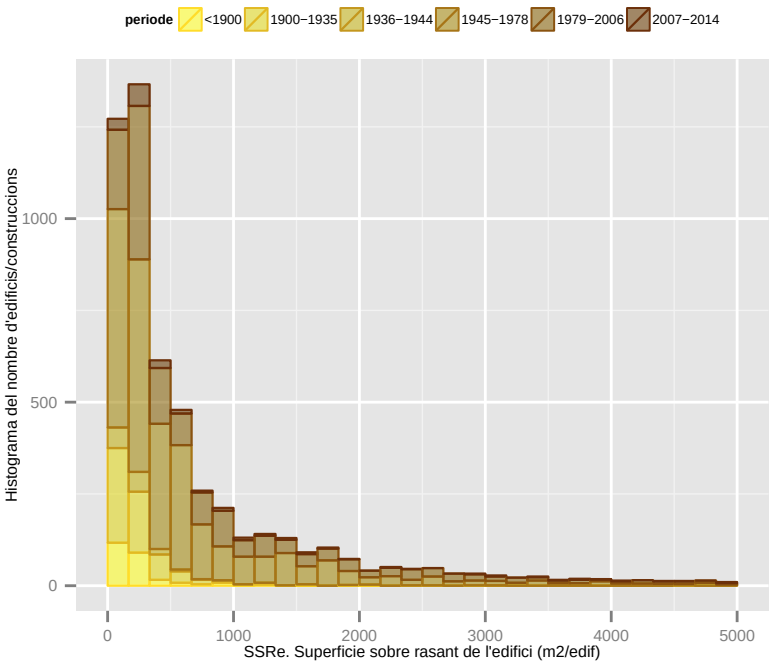


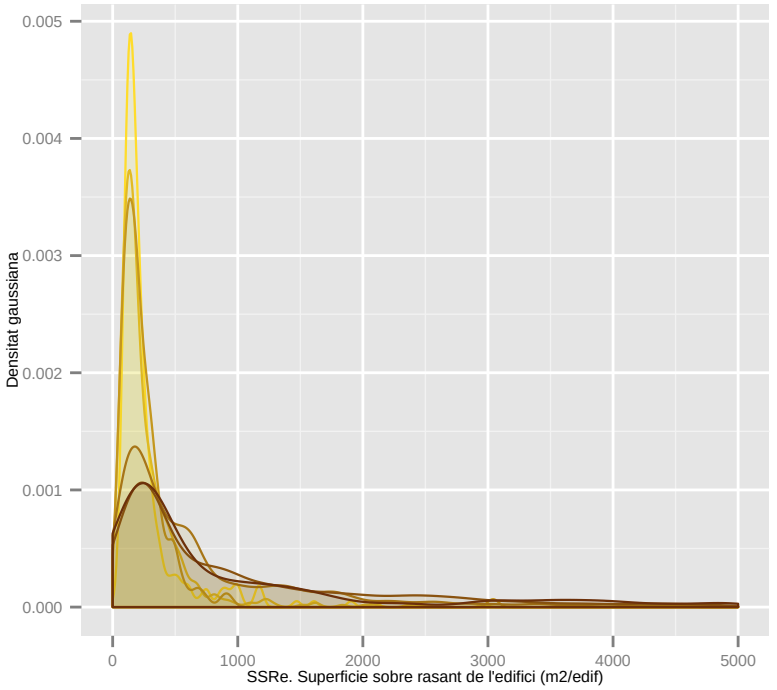
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

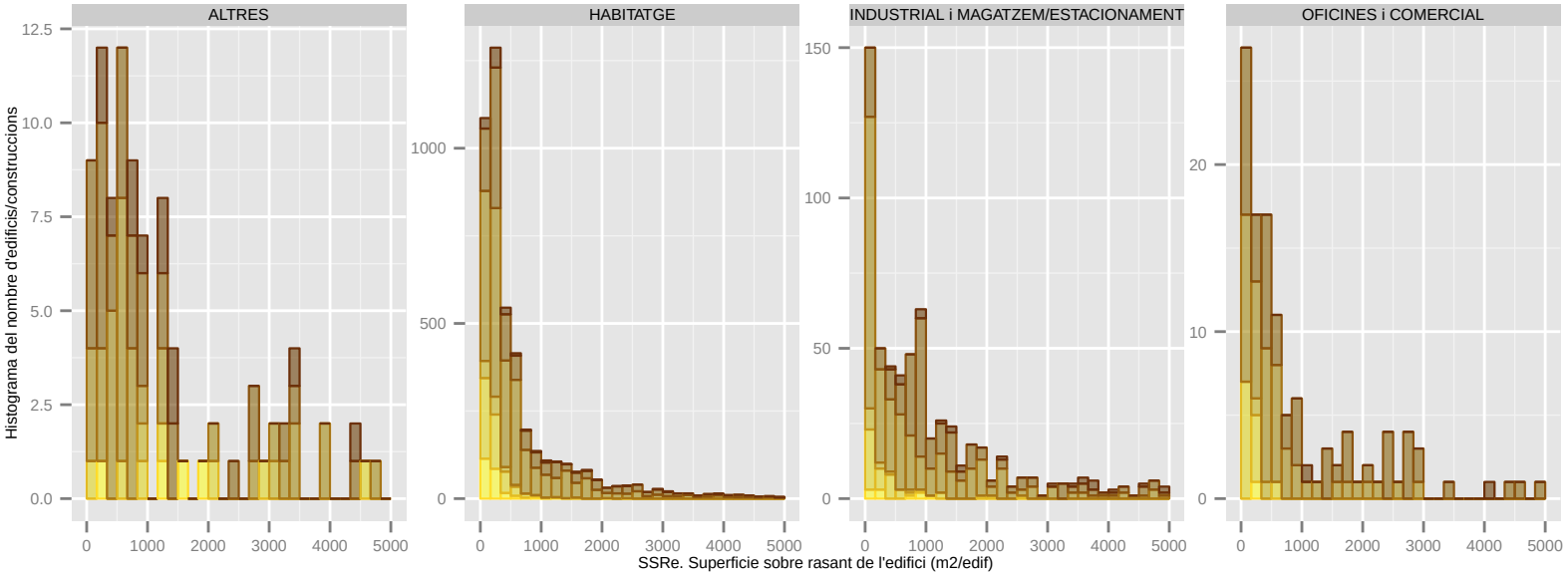
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANT BOI DE LLOBREGAT





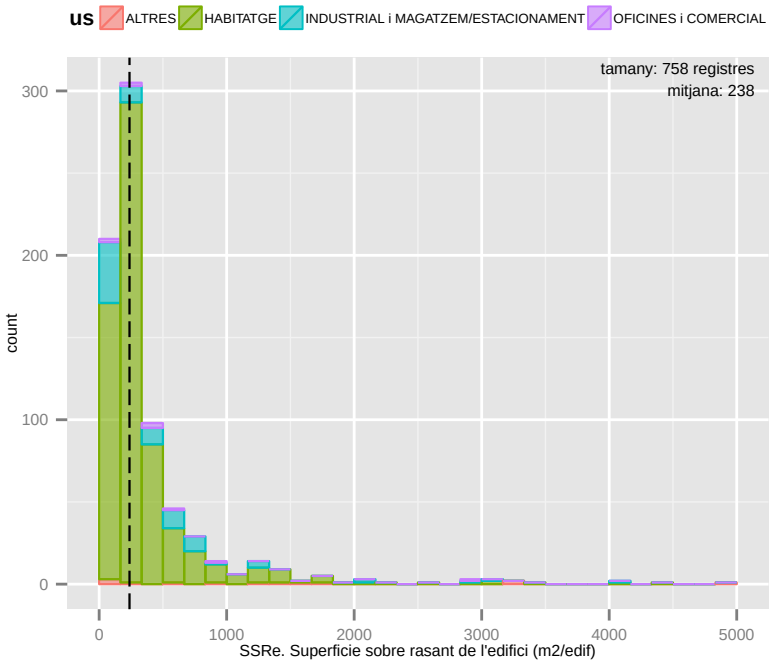


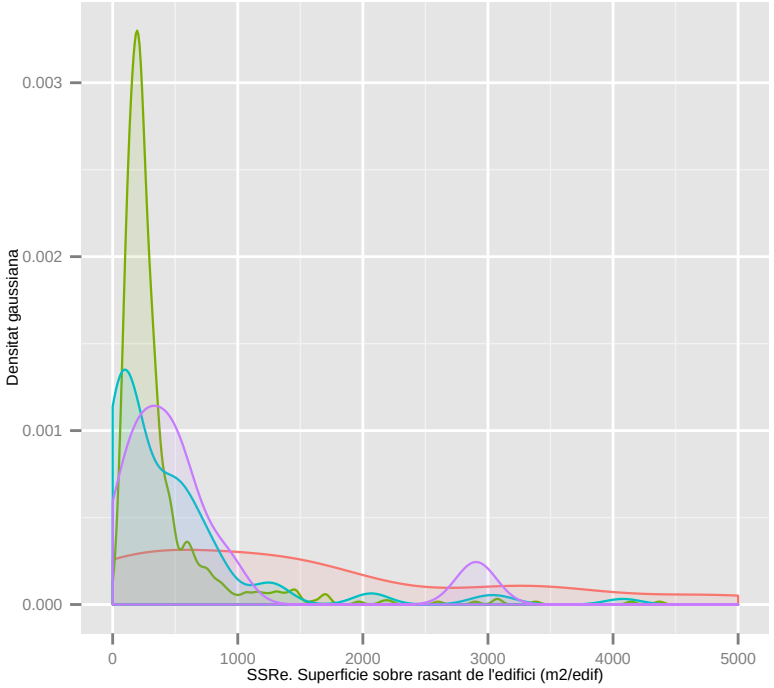


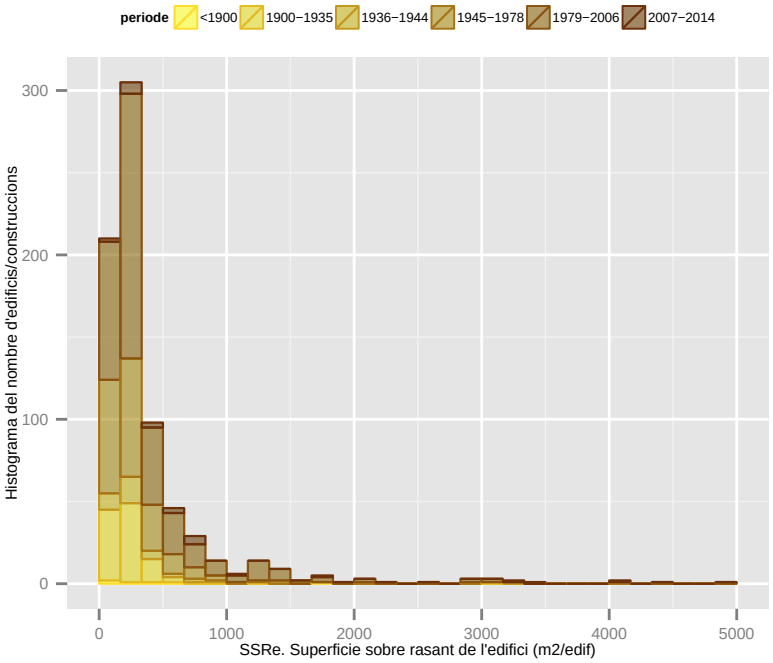


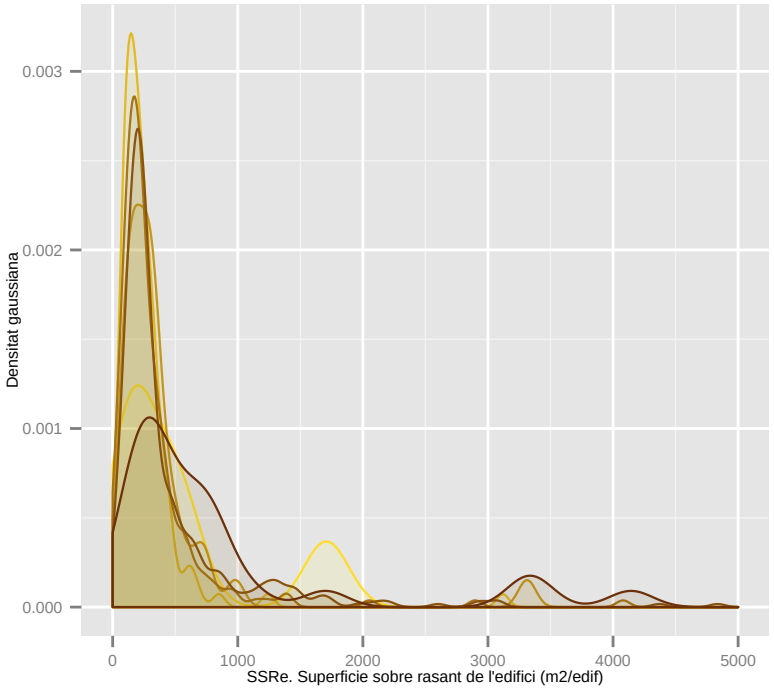
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

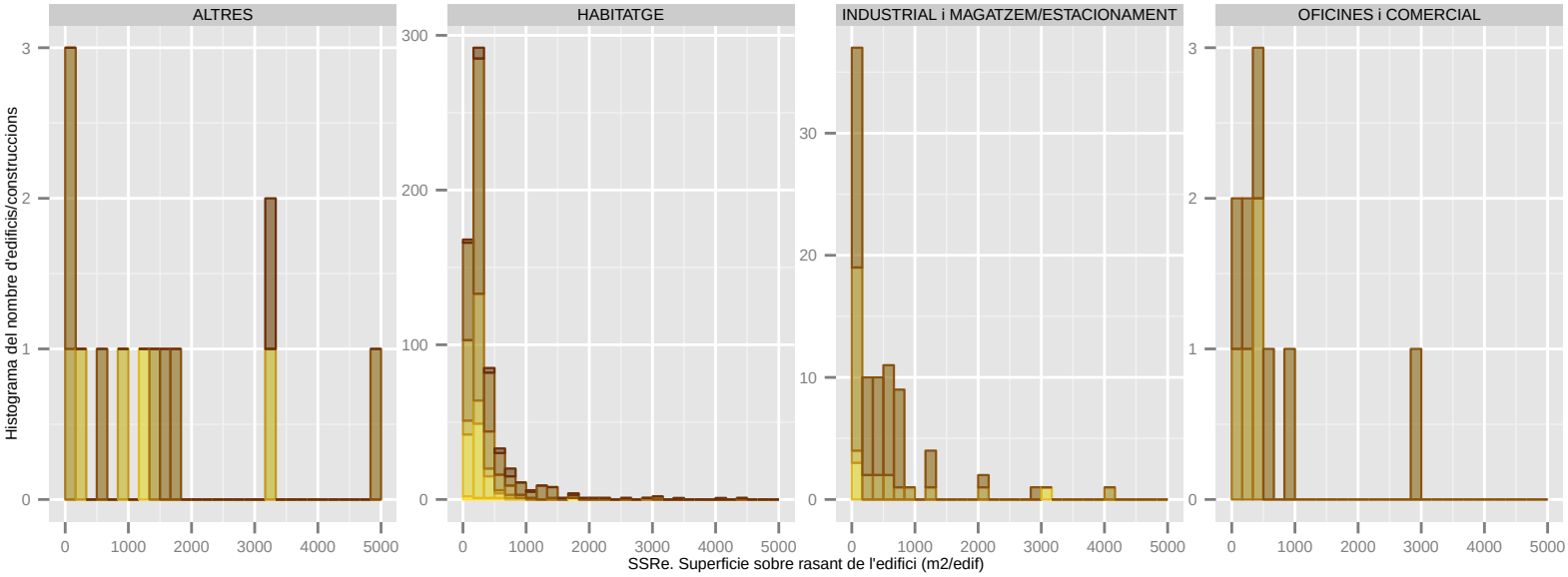
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANT CLIMENT DE LLOBREGAT





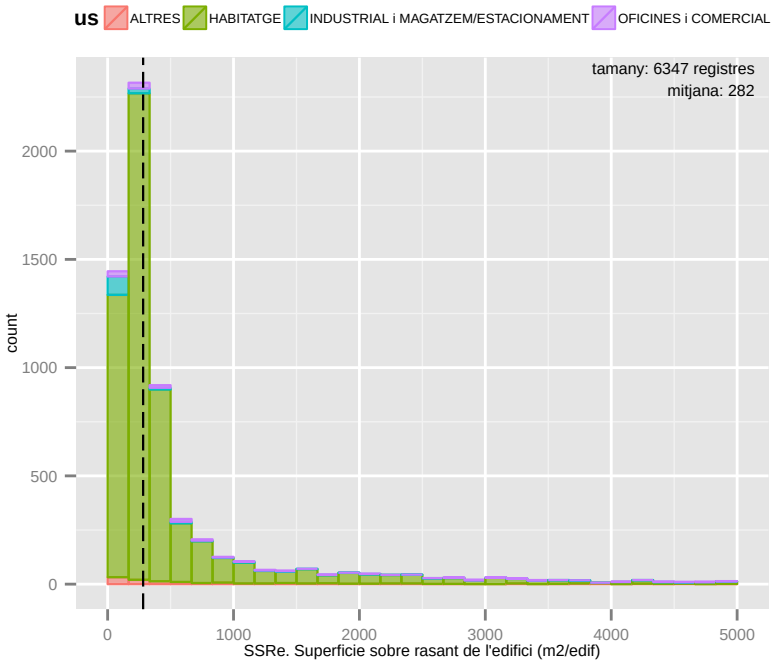


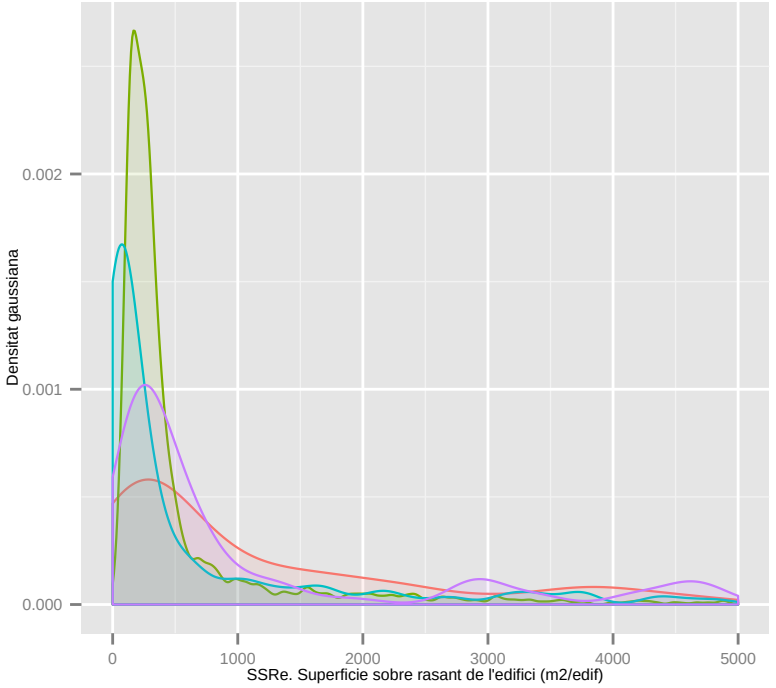


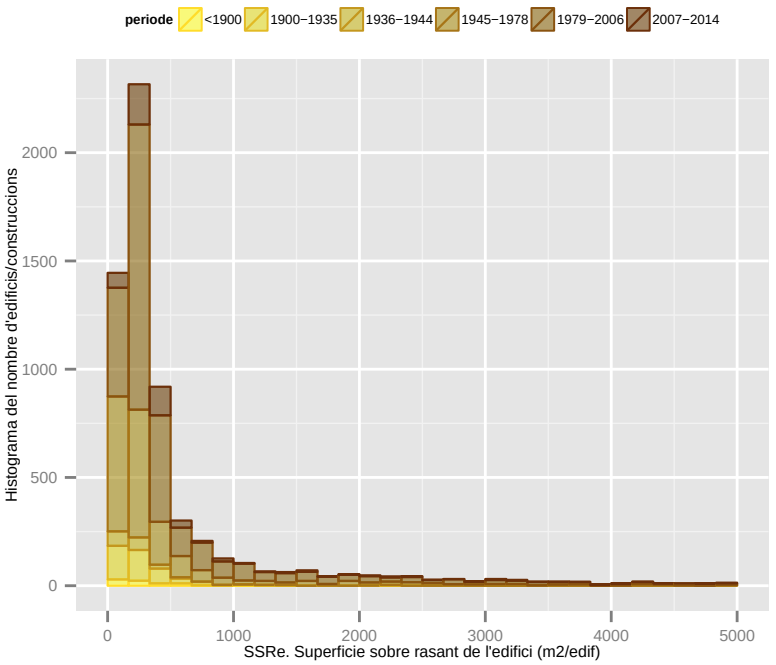


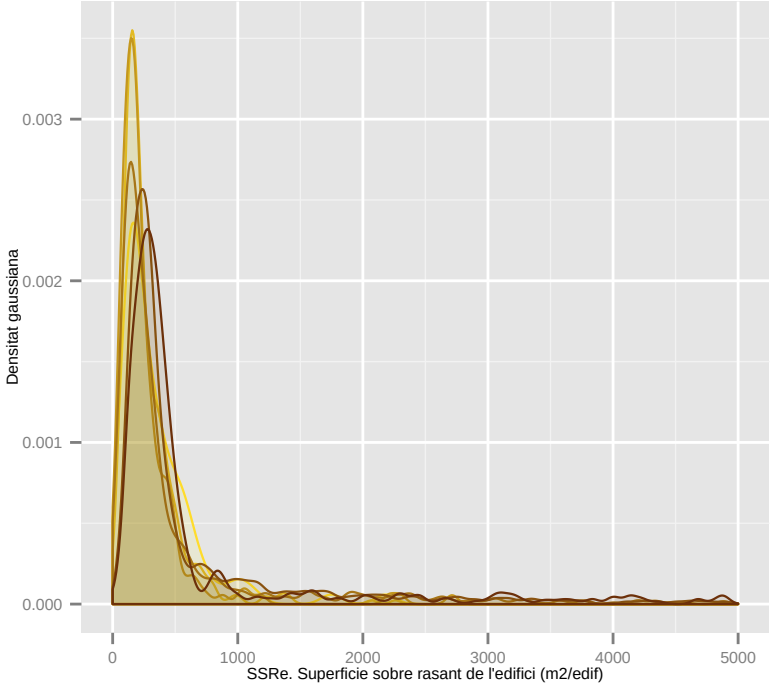
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

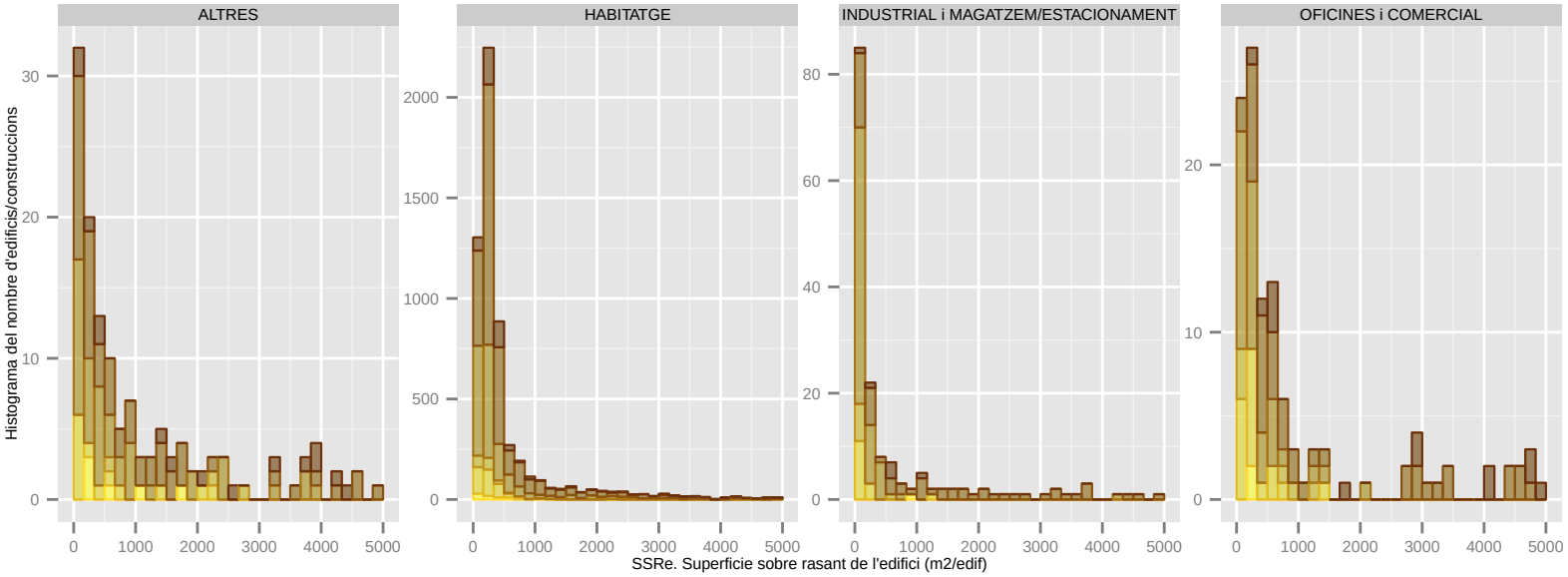
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANT CUGAT DEL VALLES





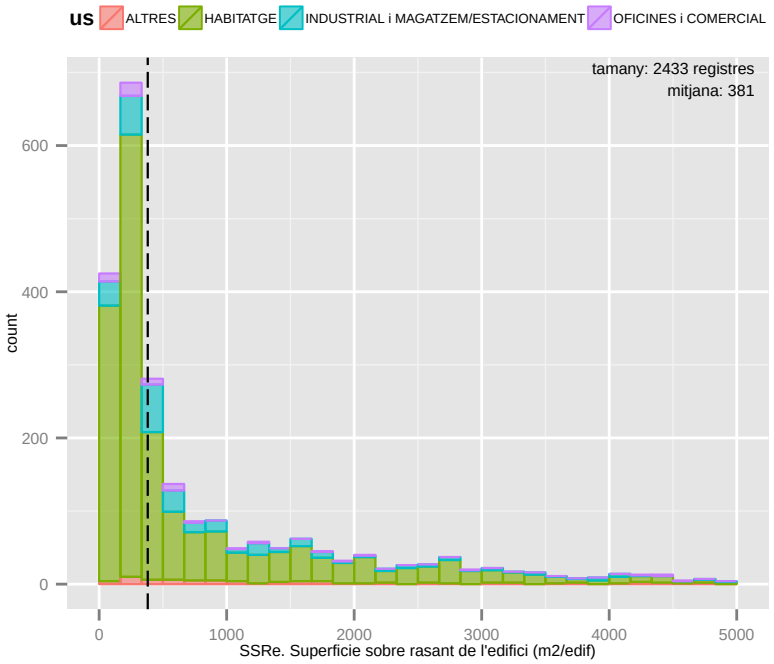


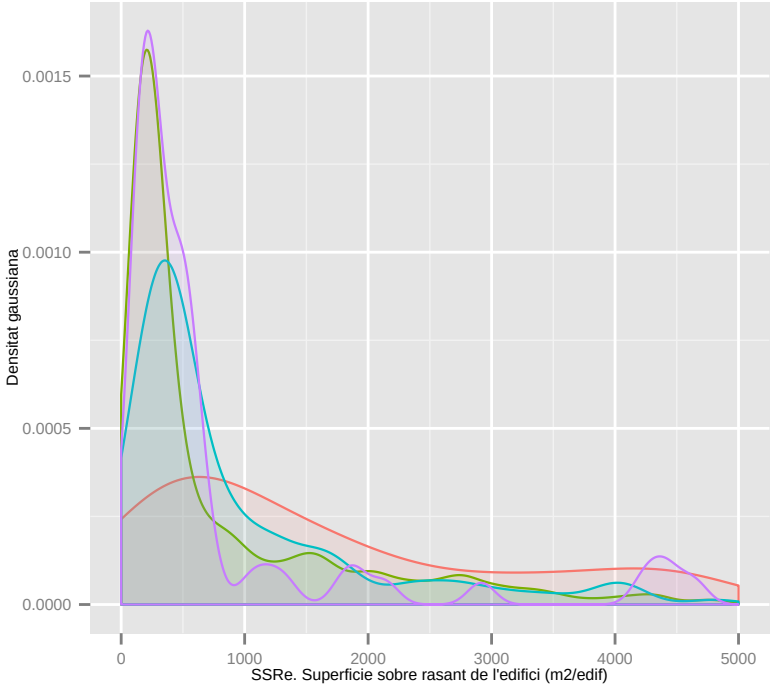


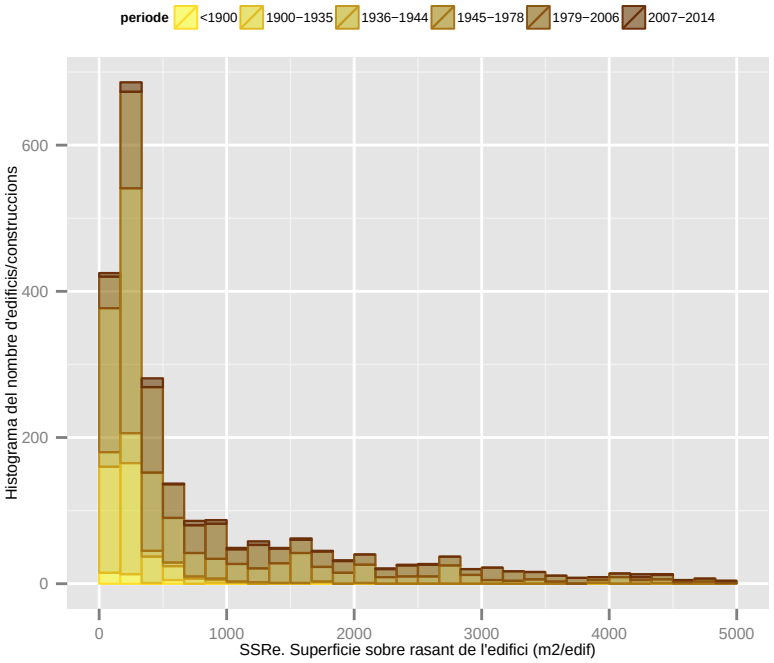


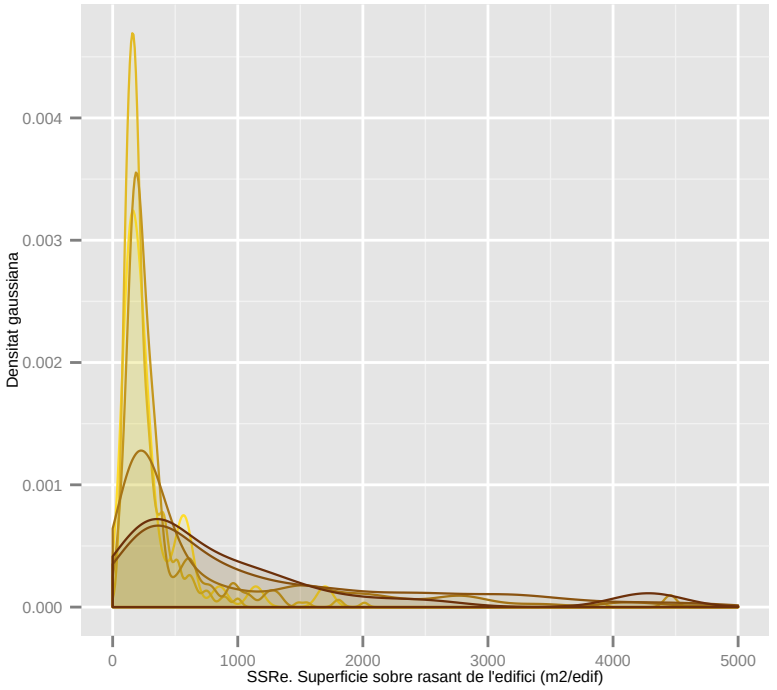
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

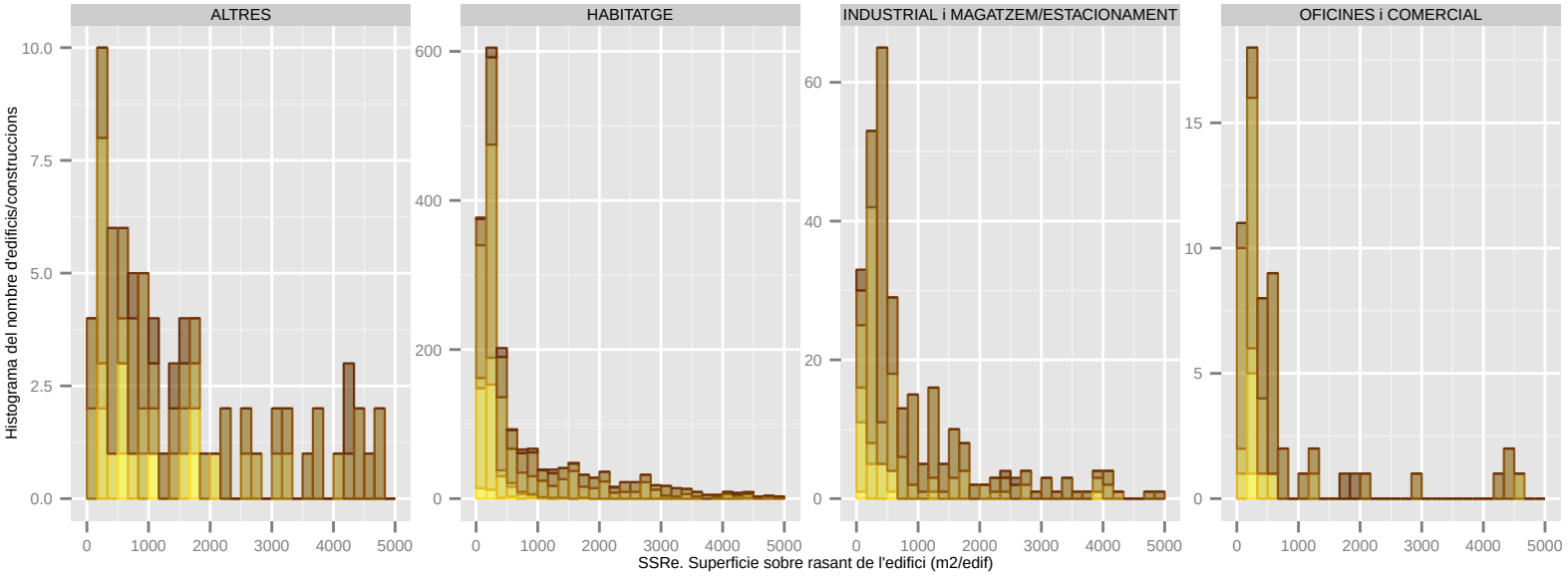
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANT FELIU DE LLOBREGAT





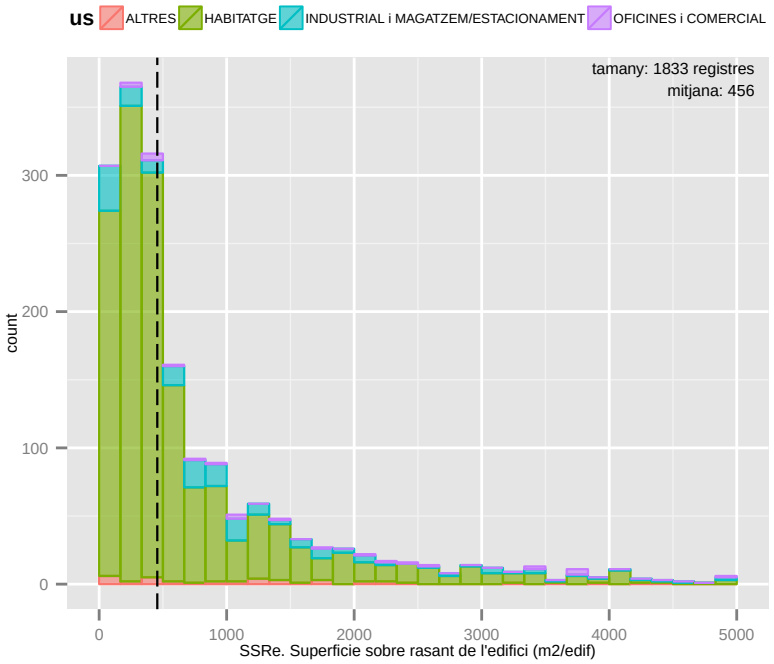


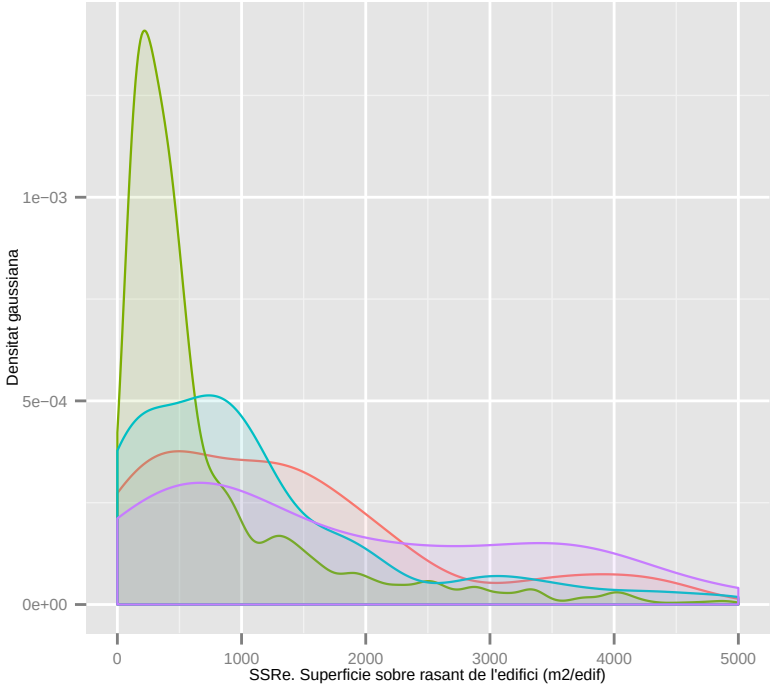


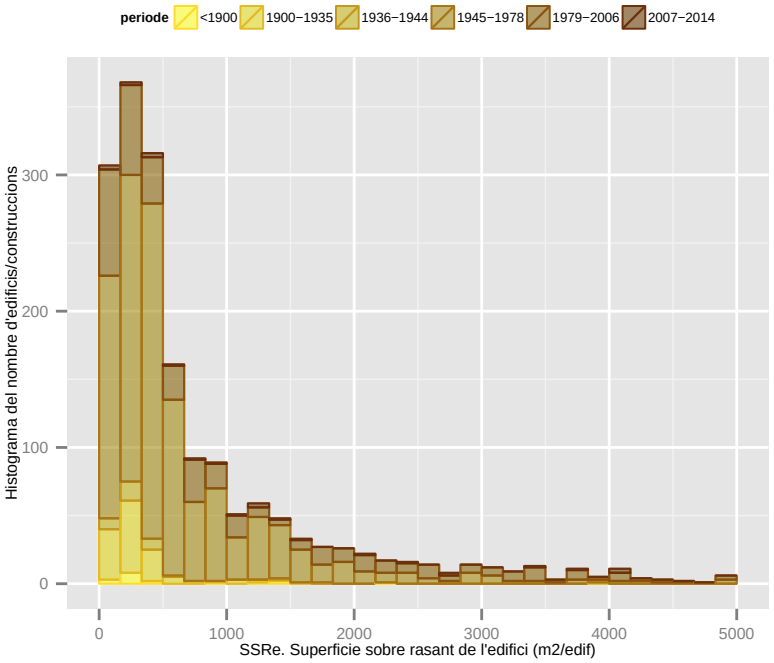


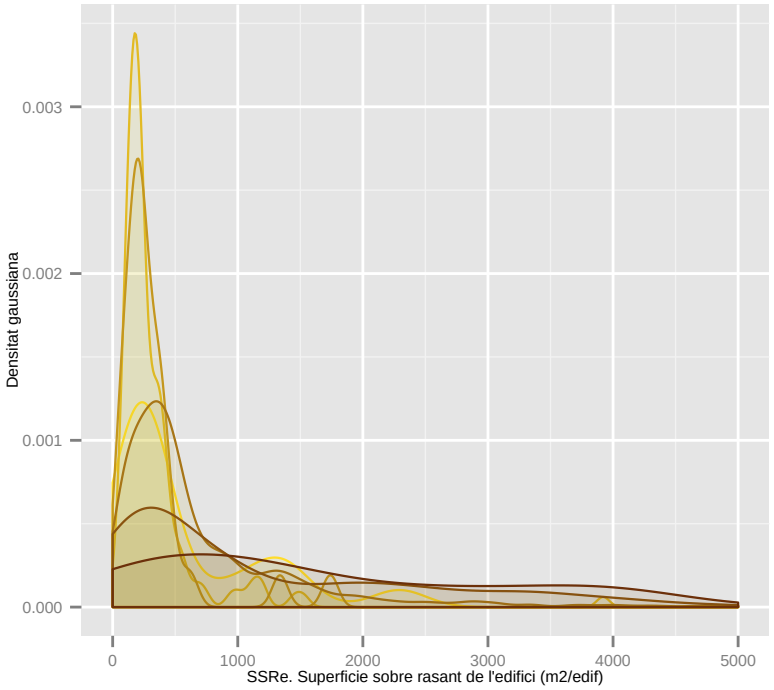
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

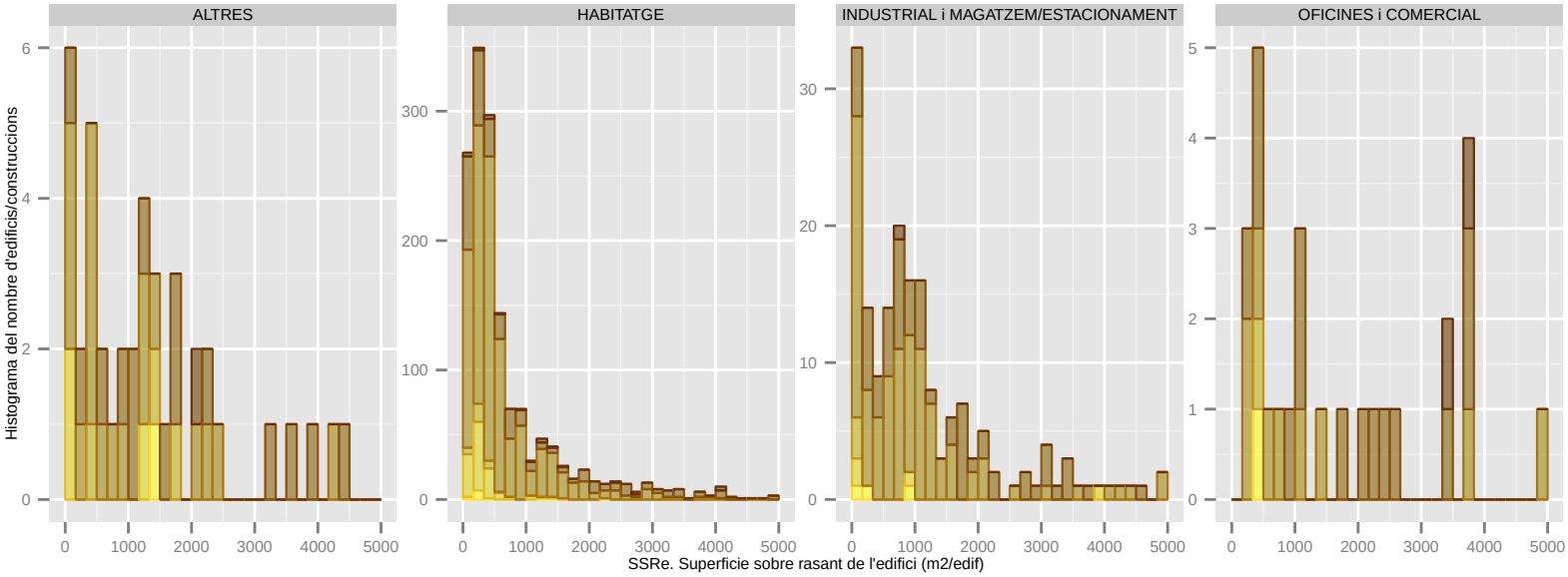
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANT JOAN DESPI





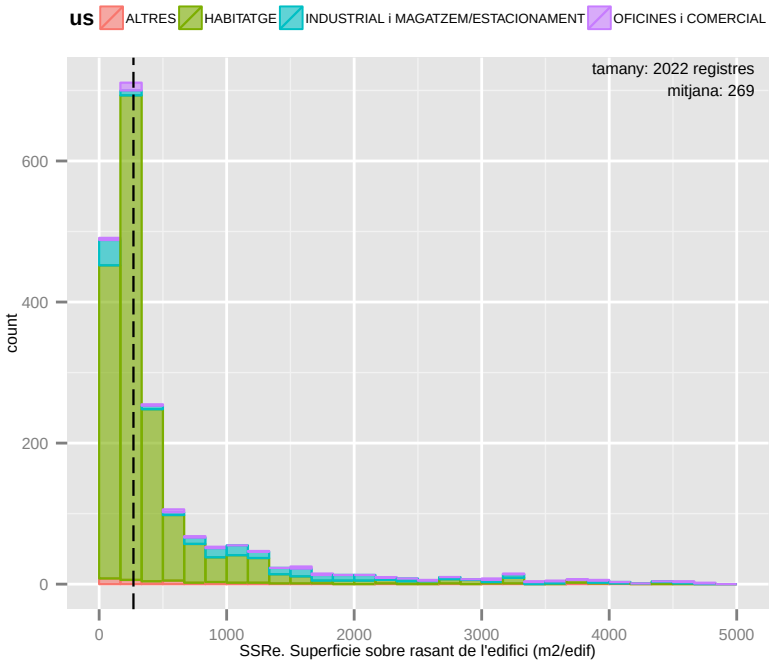


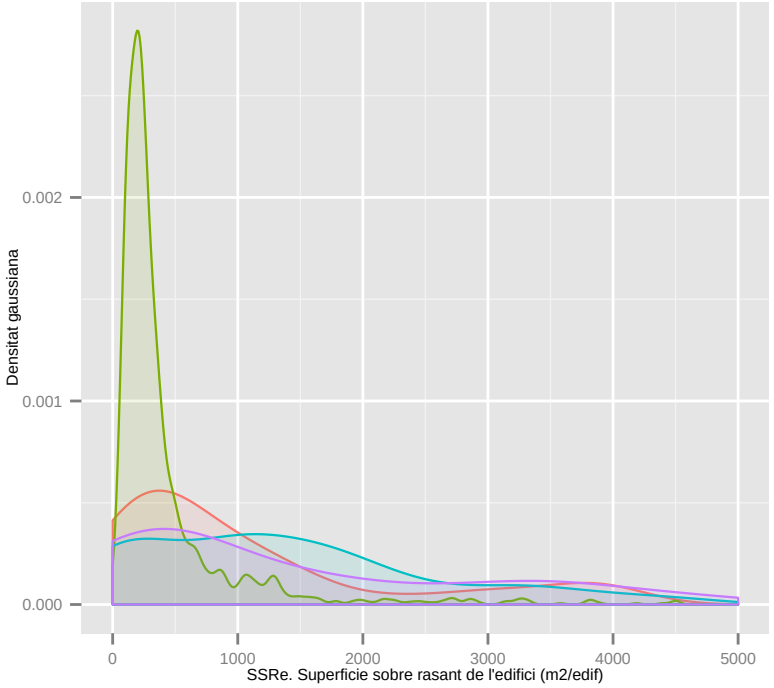


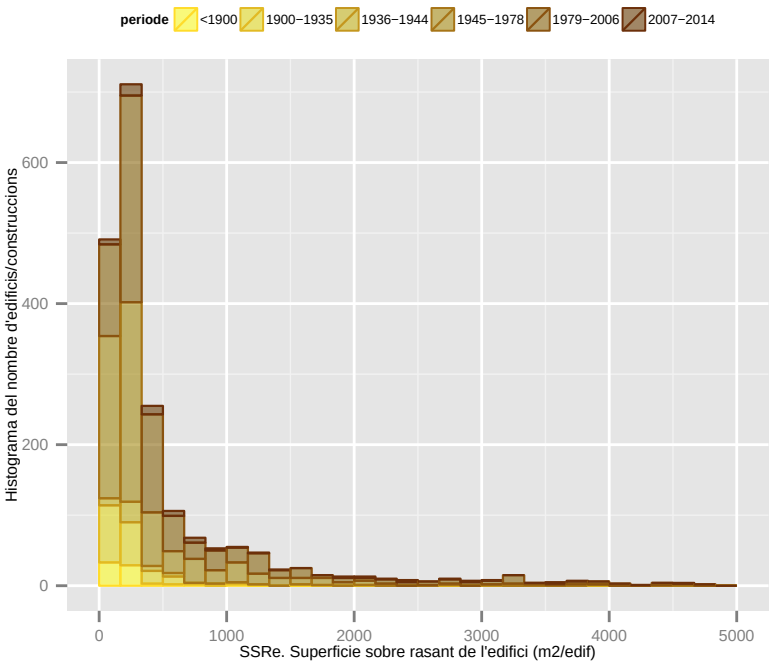


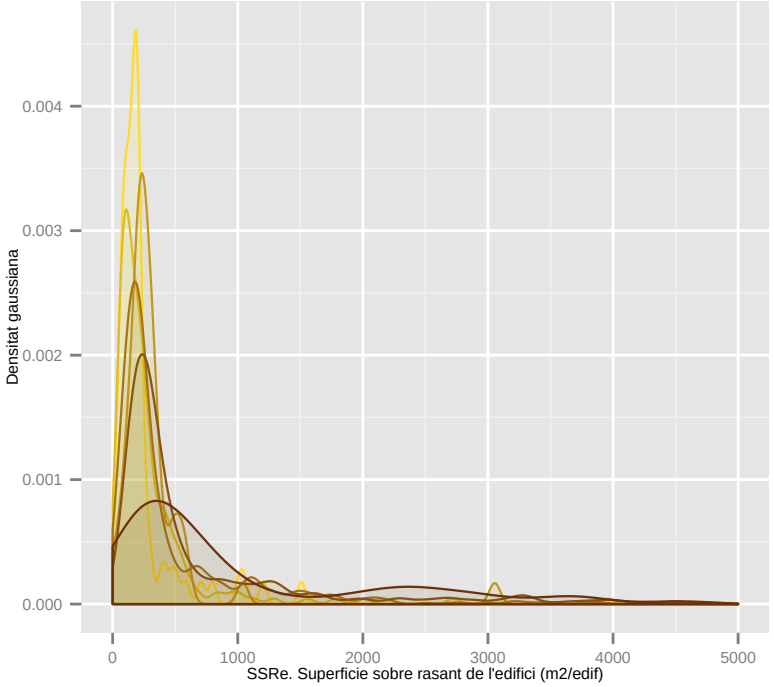
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

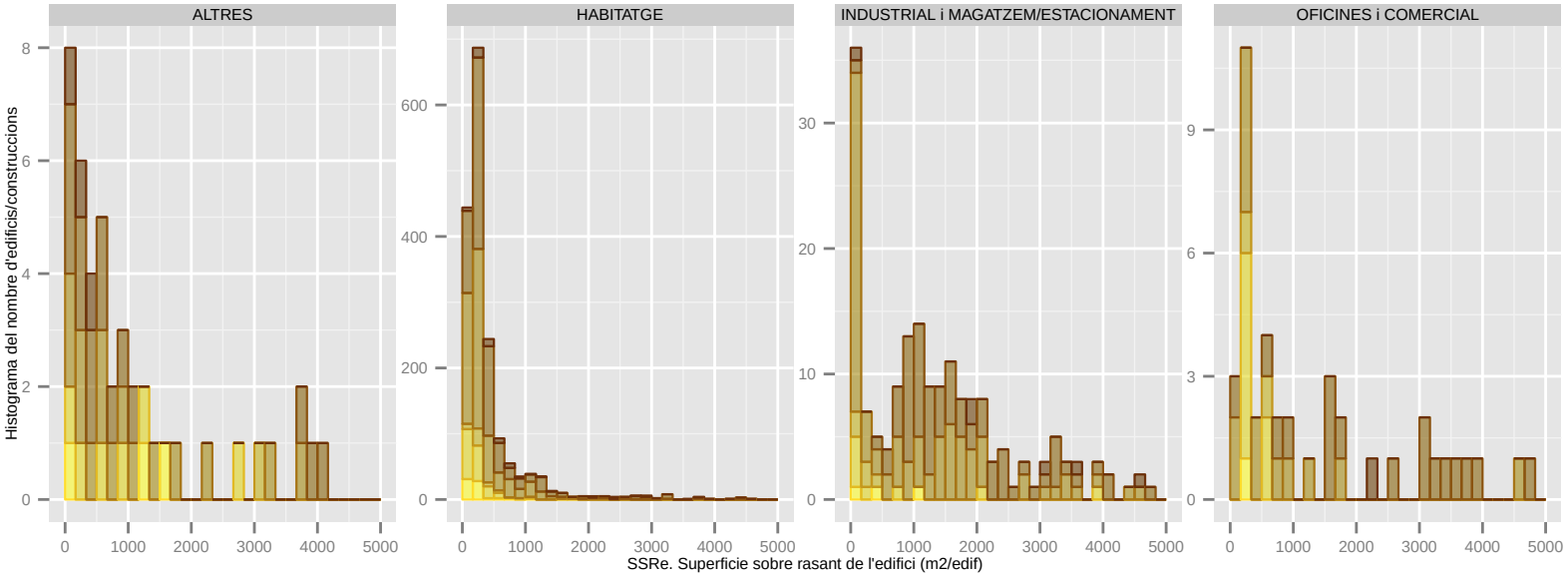
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANT JUST DESVERN





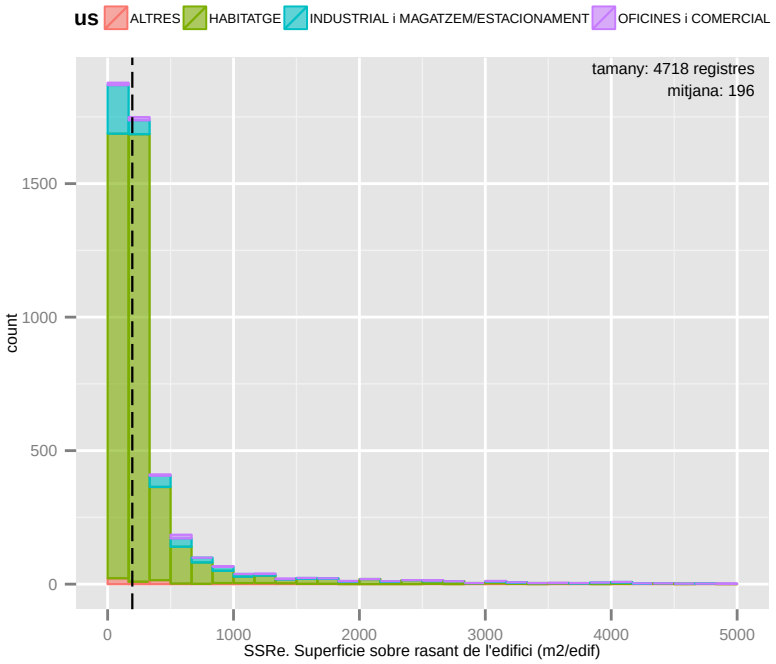


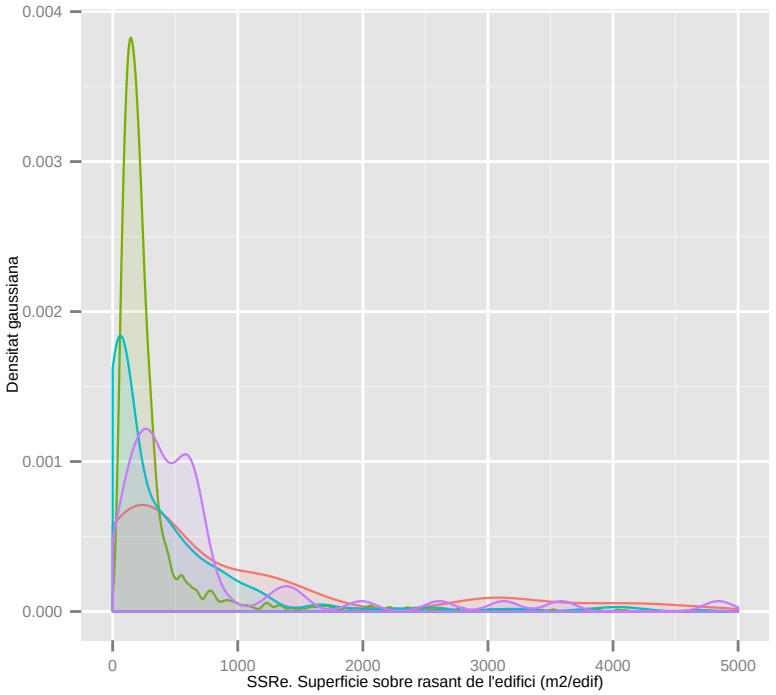


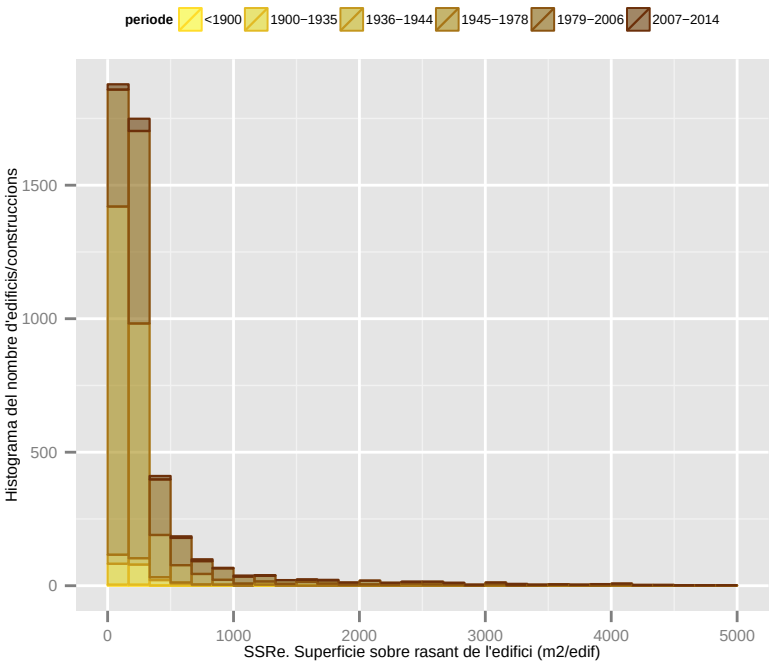


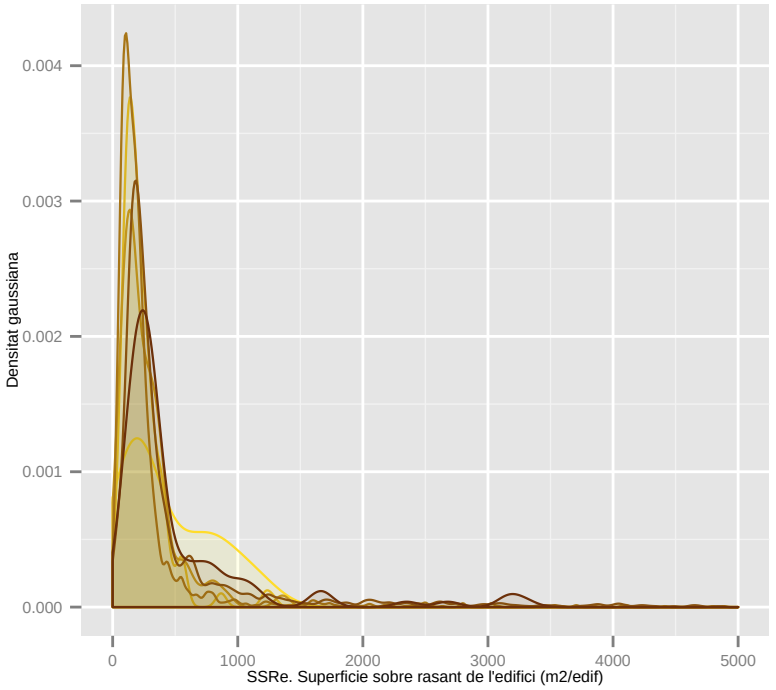
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

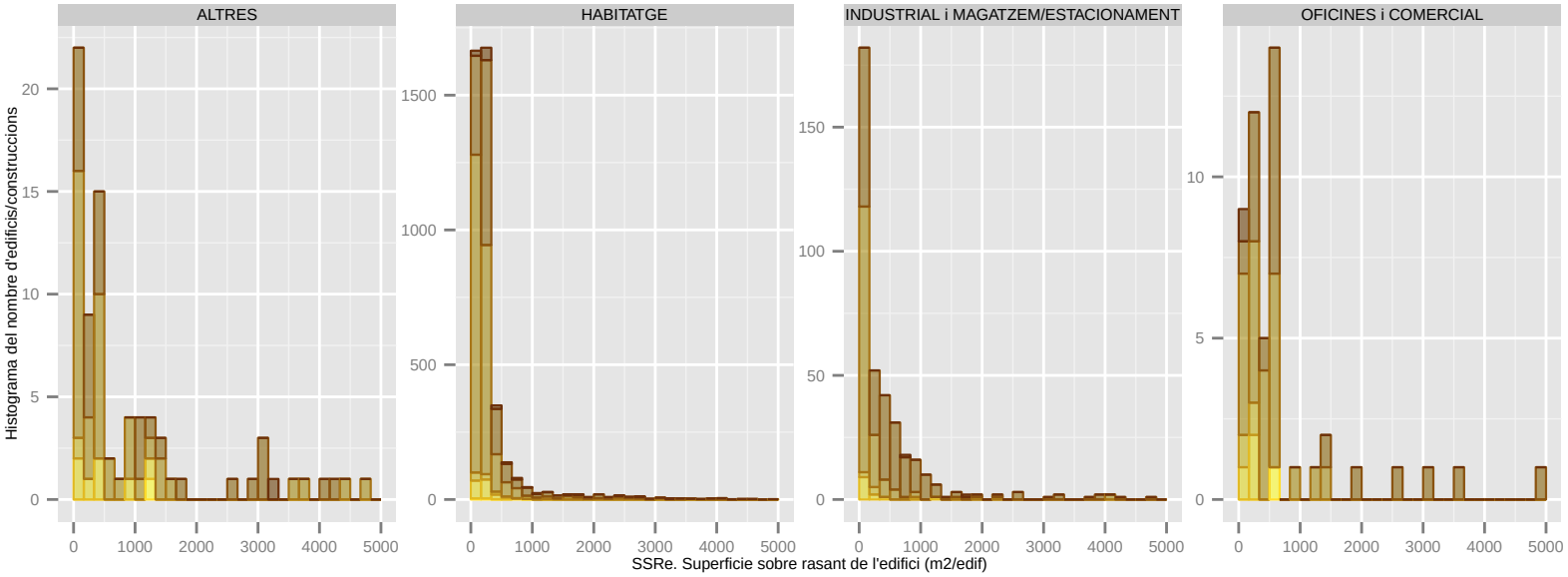
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANT VICENÃ‡ DELS HORTS





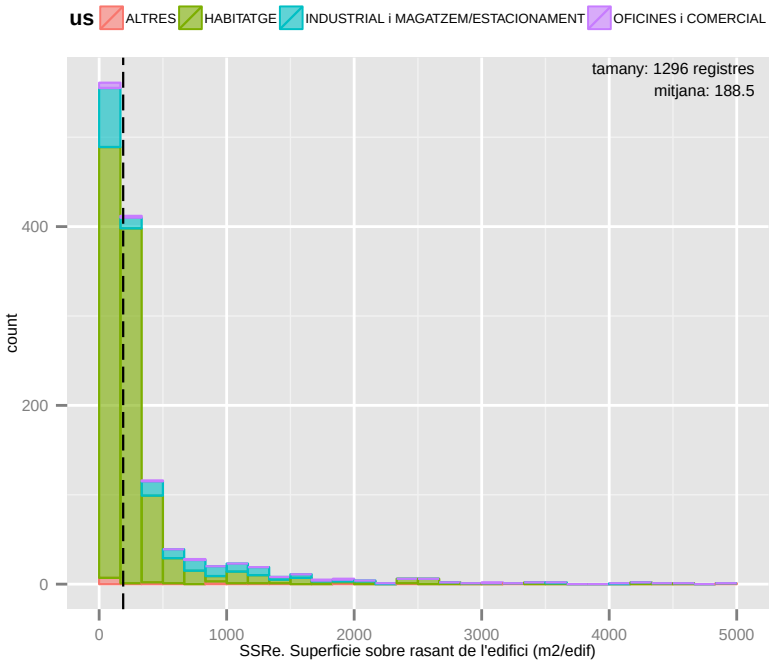


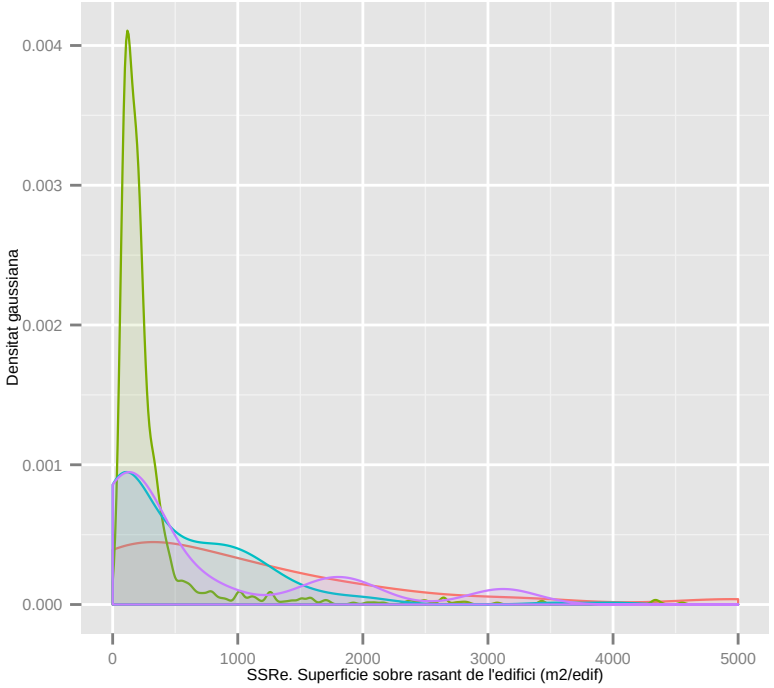


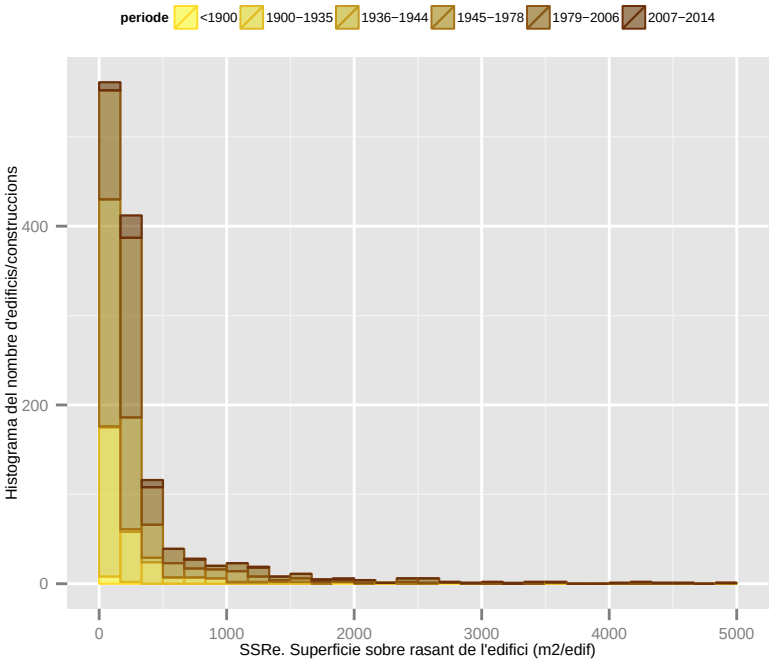


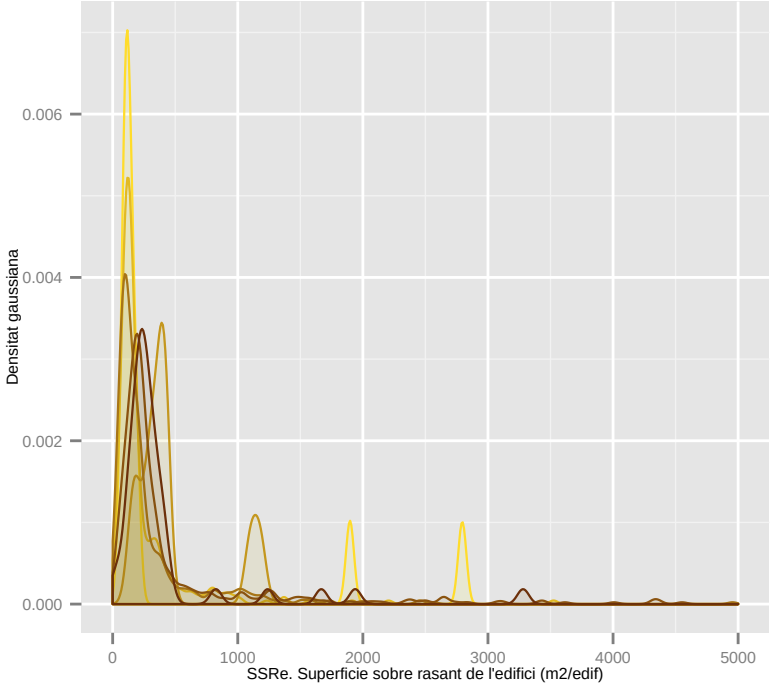
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

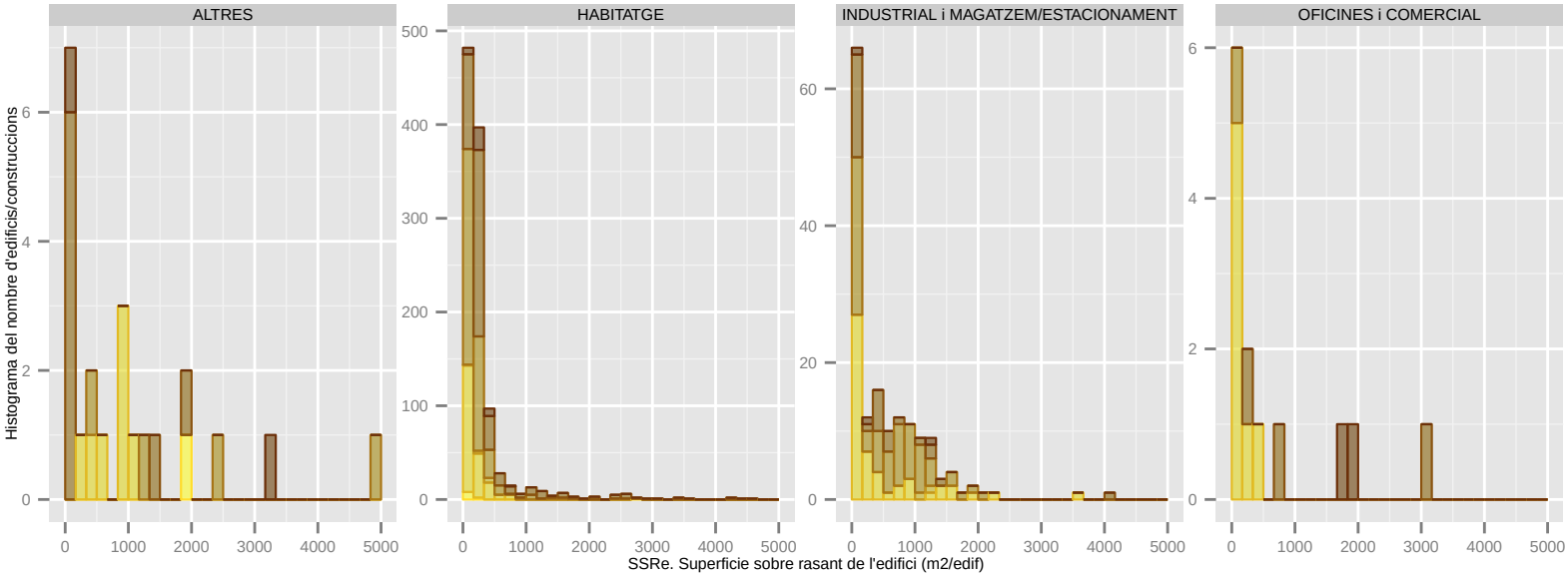
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANTA COLOMA DE CERVELLO





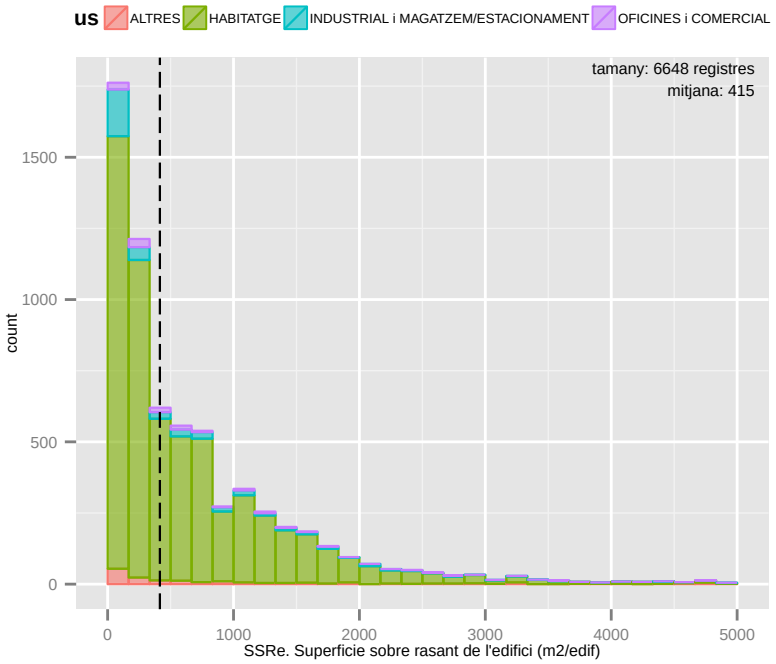


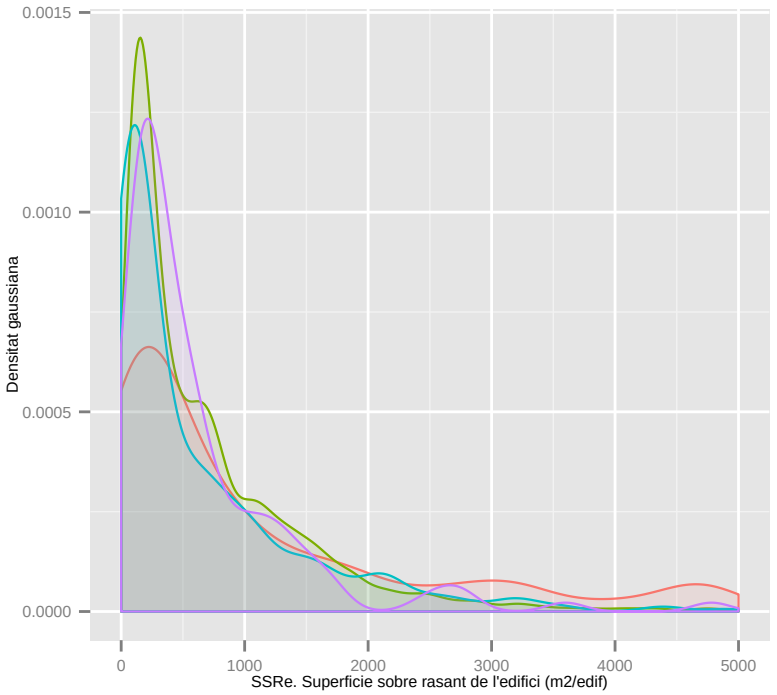


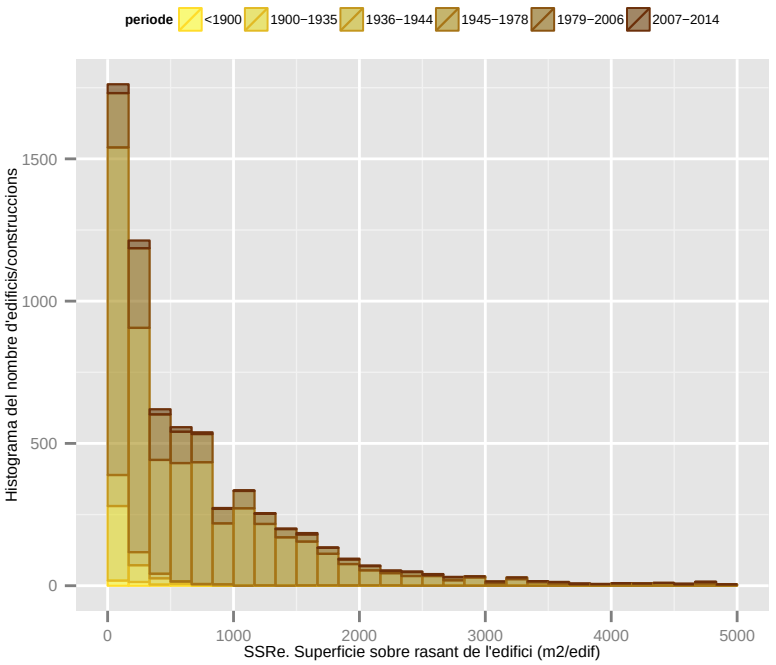


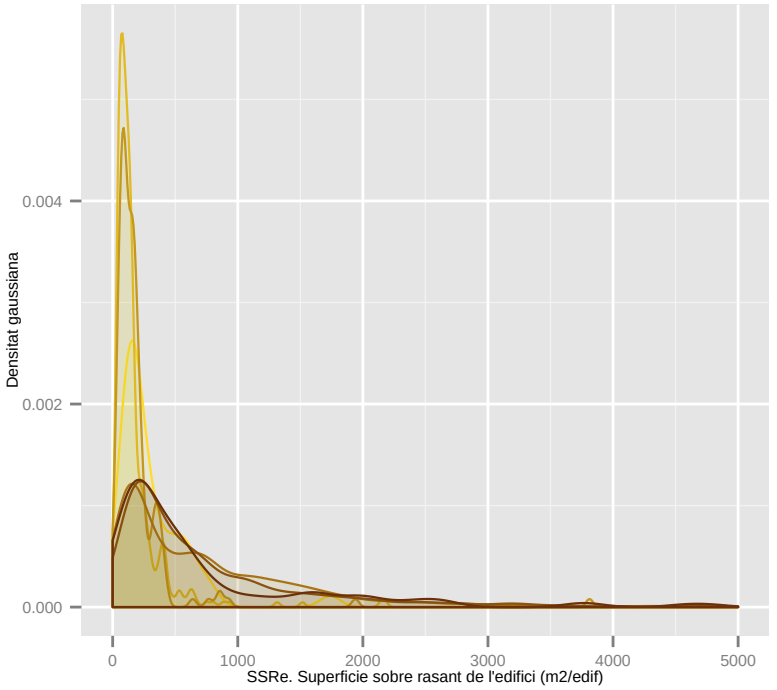
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

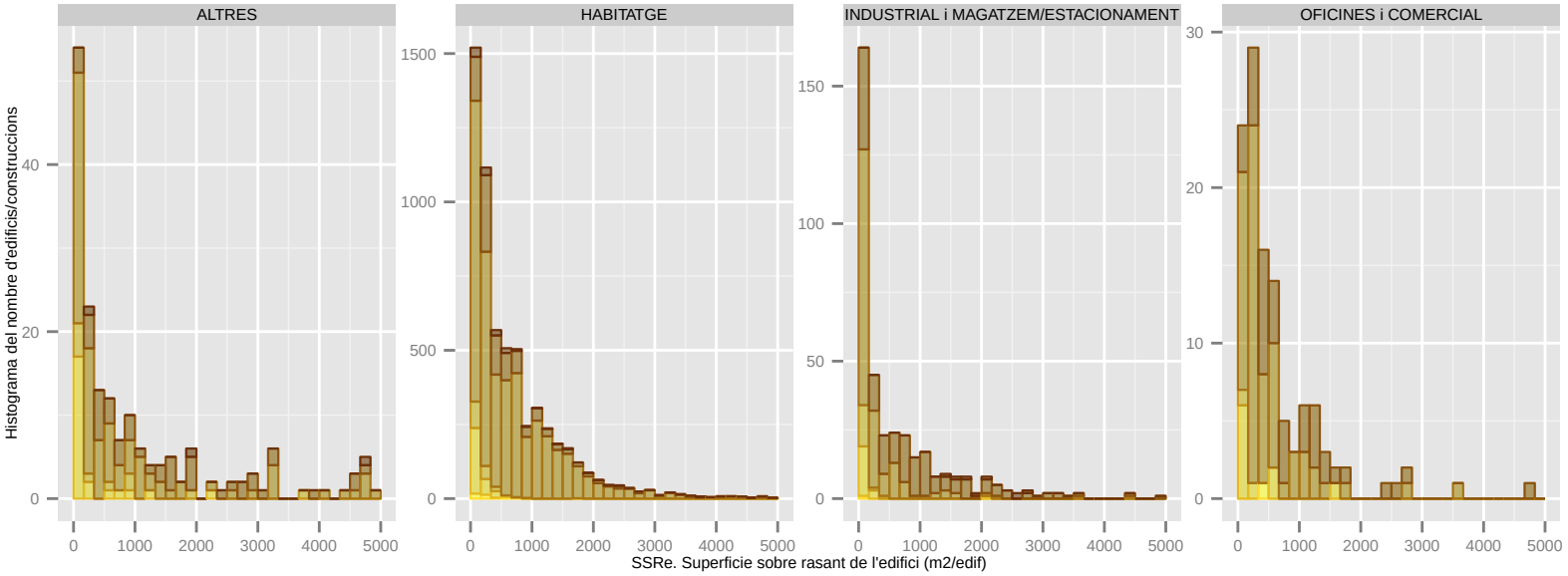
SSRe. Superficie sobre rasant de l'edifici (m2/edif): SANTA COLOMA DE GRAMENET





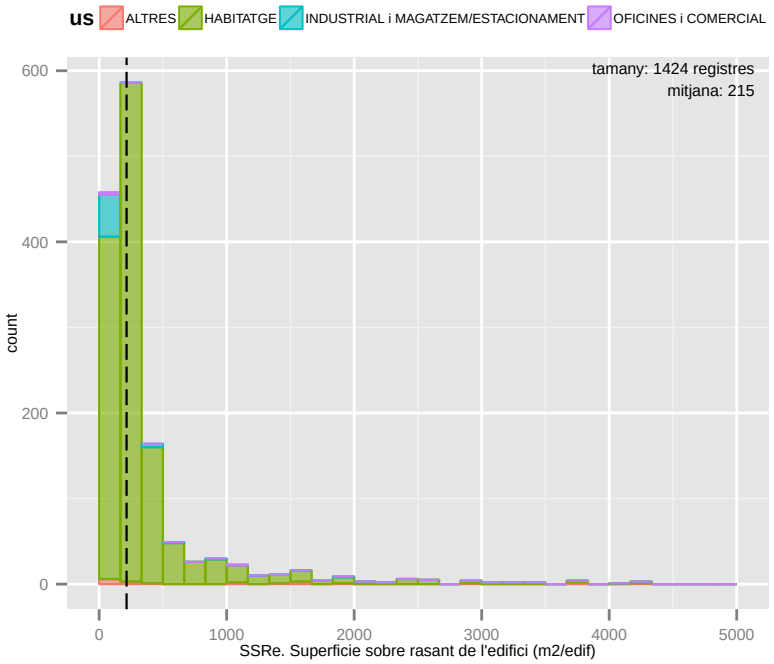


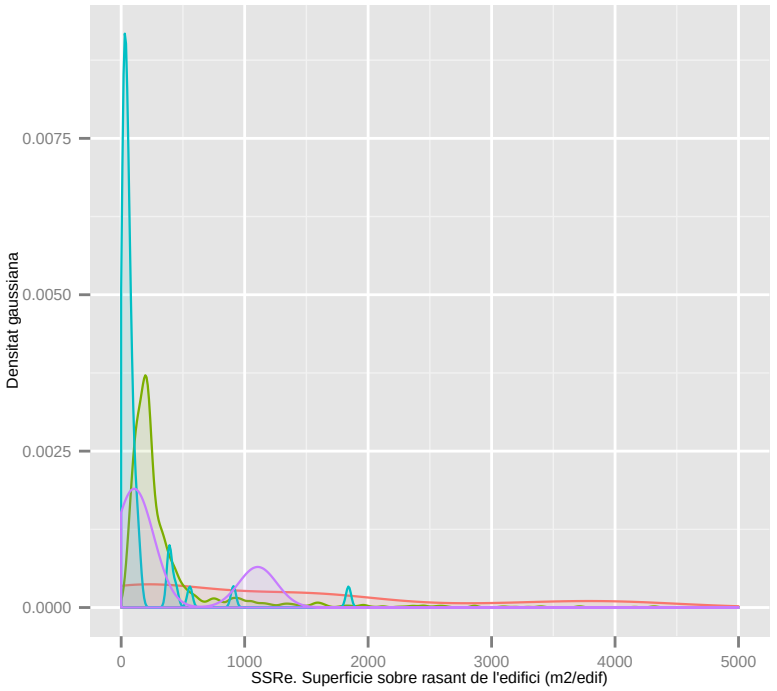


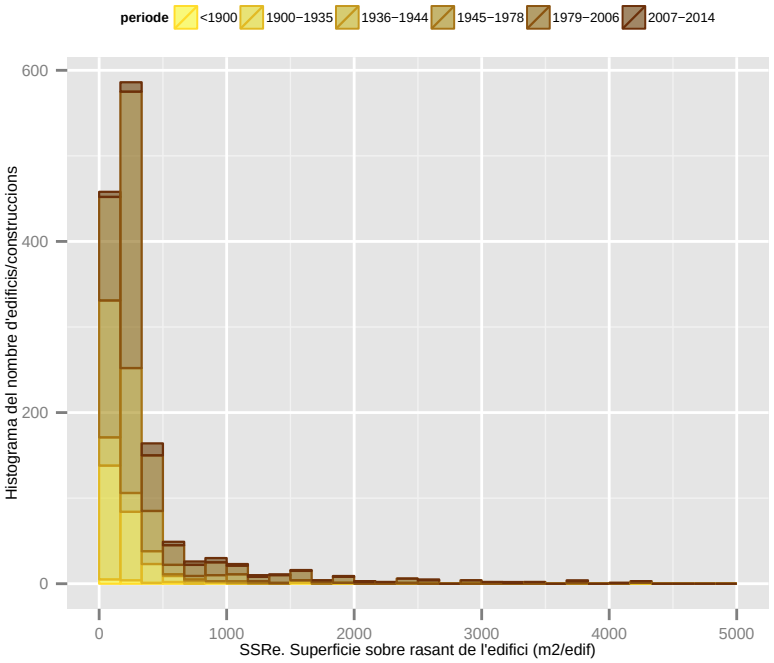


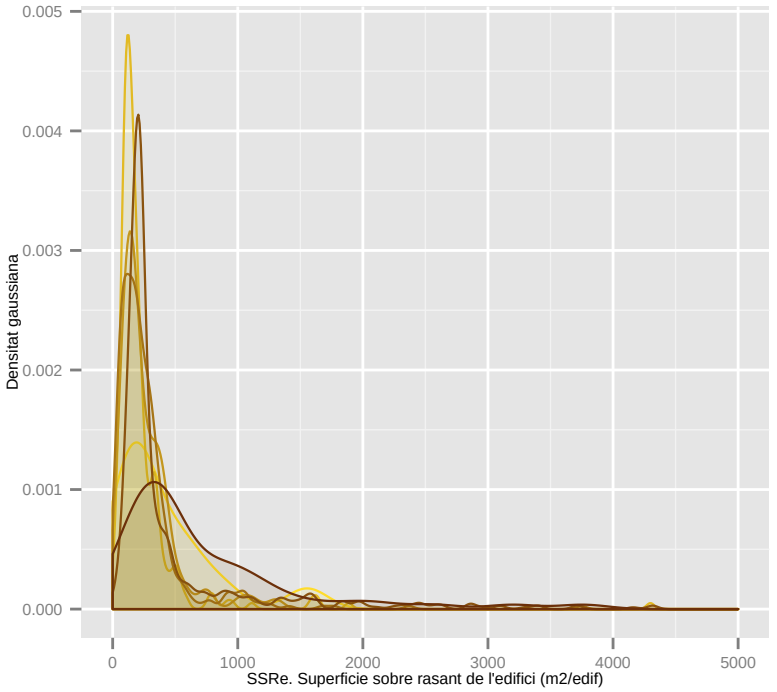
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

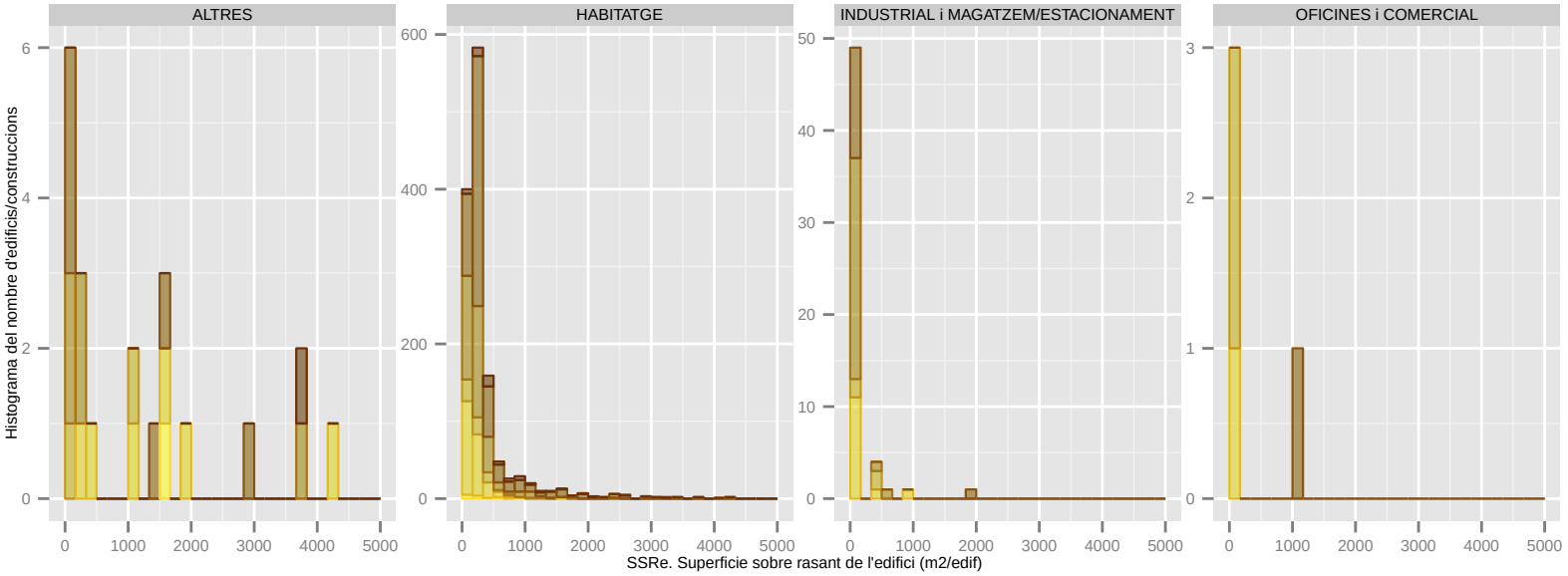
SSRe. Superficie sobre rasant de l'edifici (m2/edif): TIANA





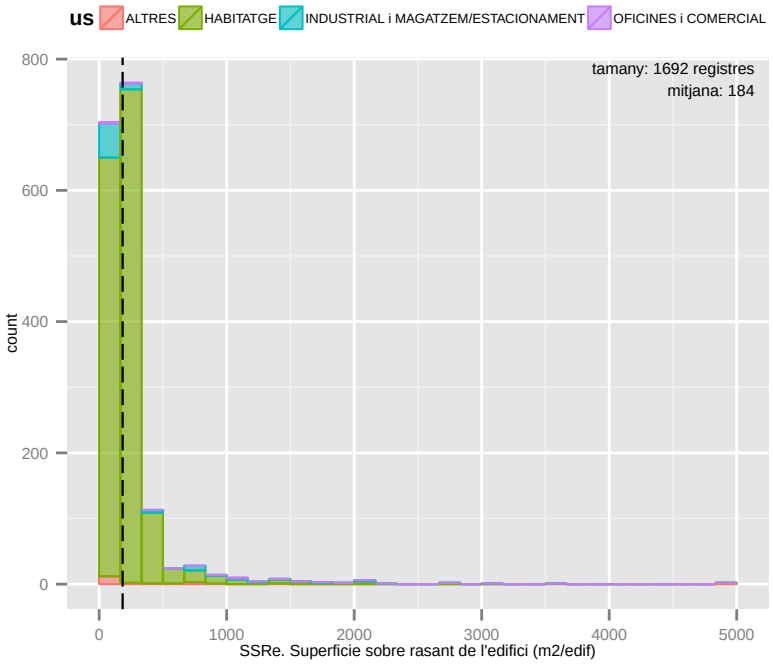


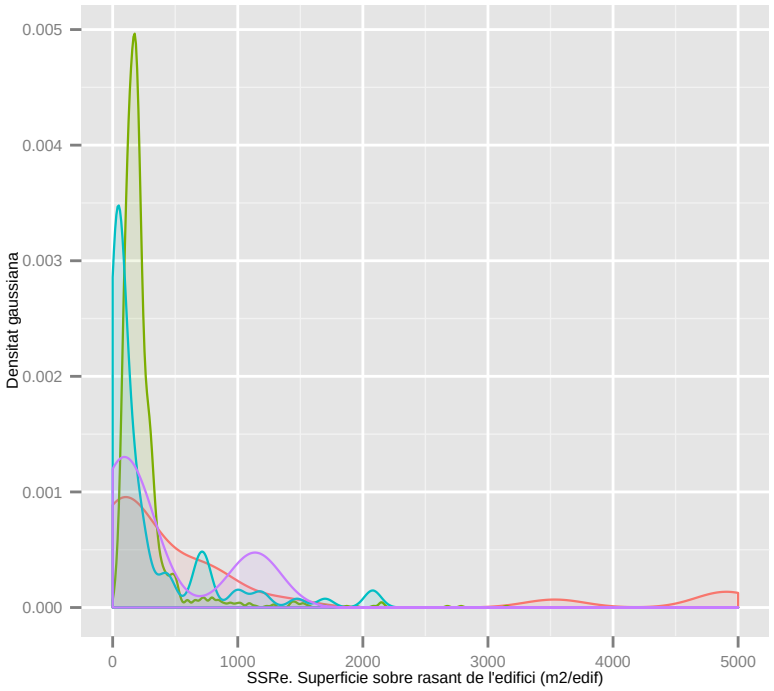


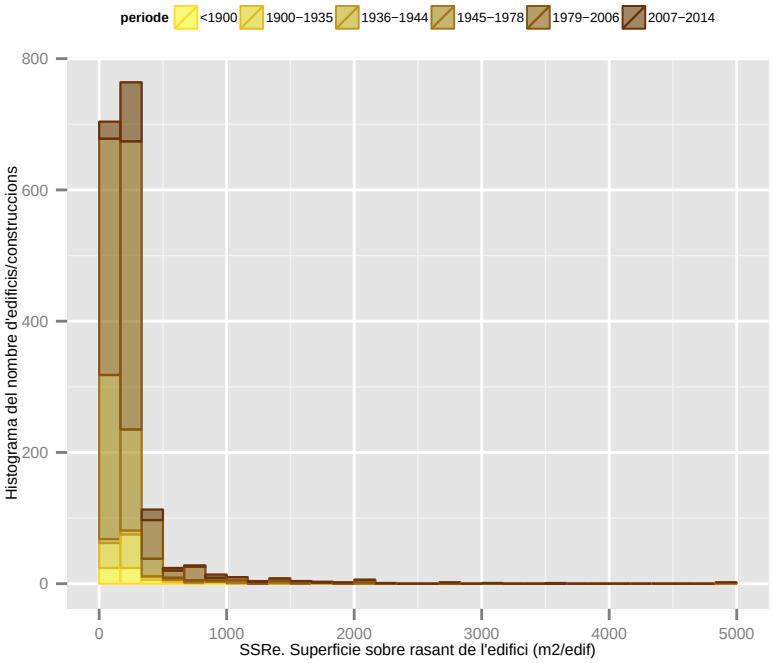


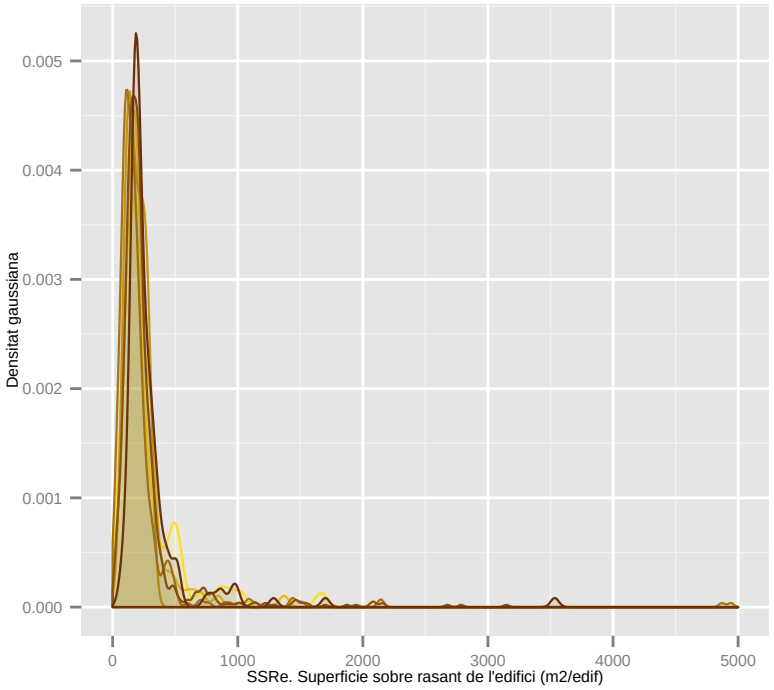
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

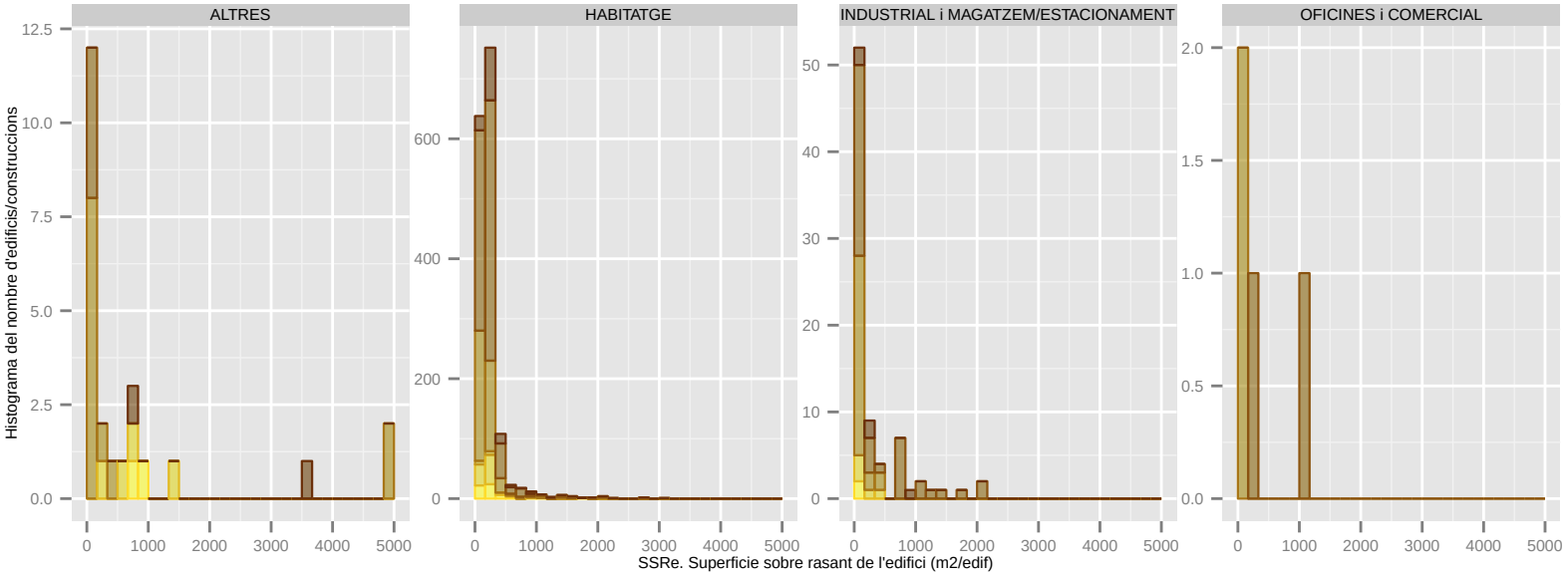
SSRe. Superficie sobre rasant de l'edifici (m2/edif): TORRELLES DE LLOBREGAT





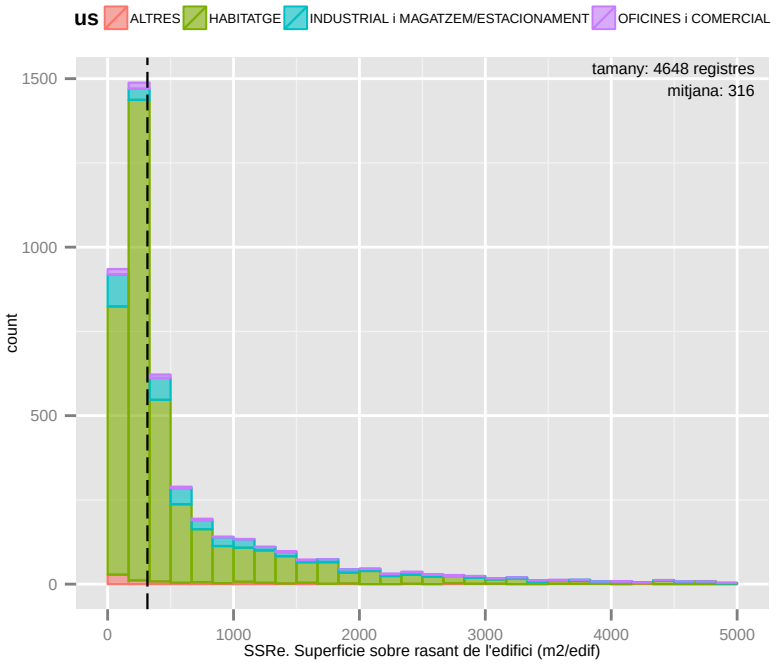


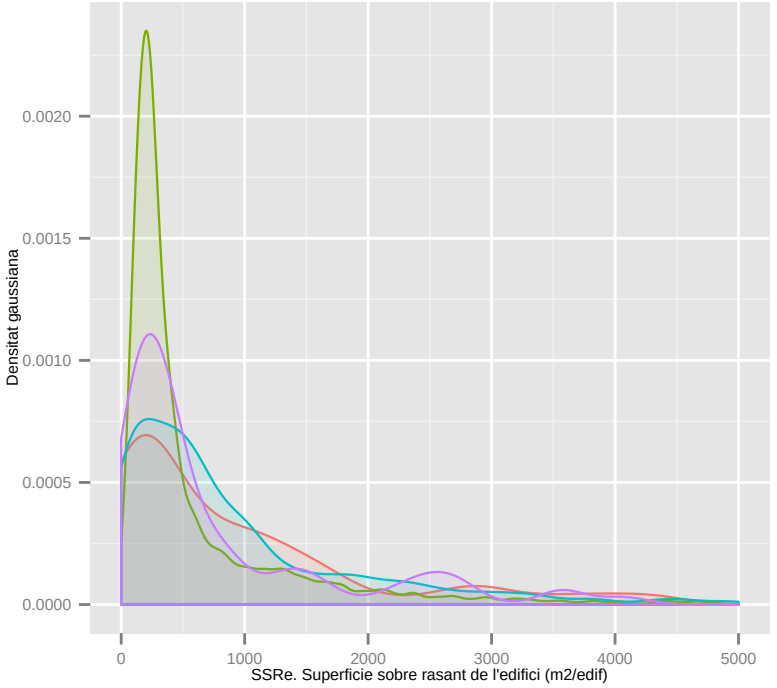


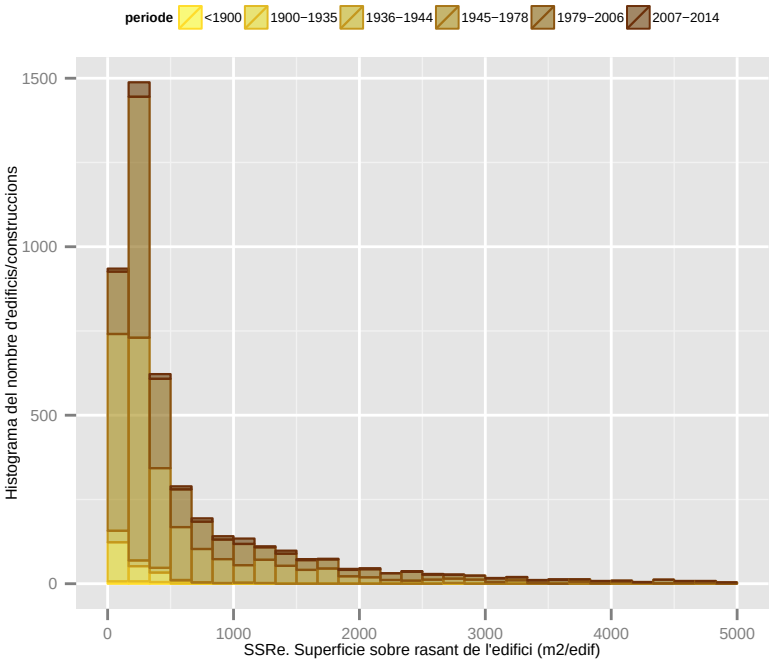


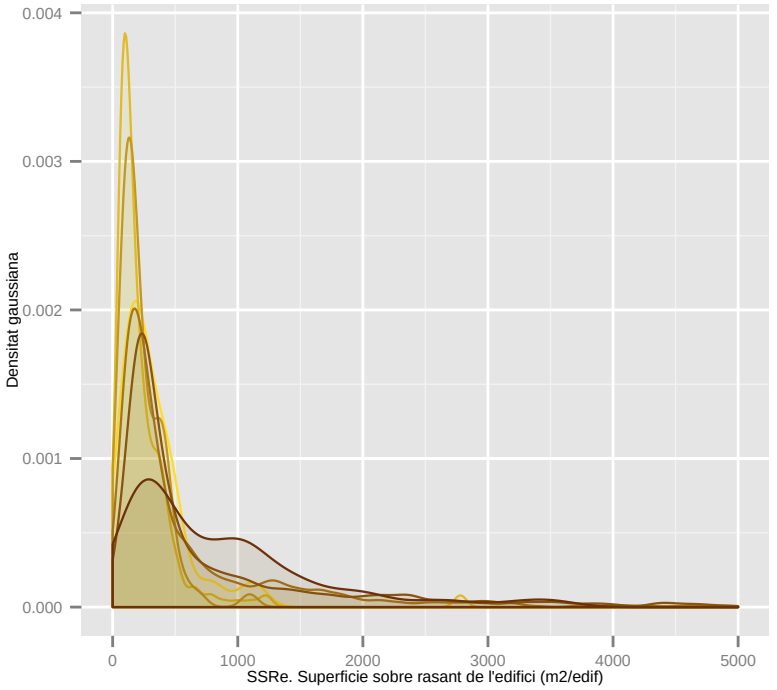
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

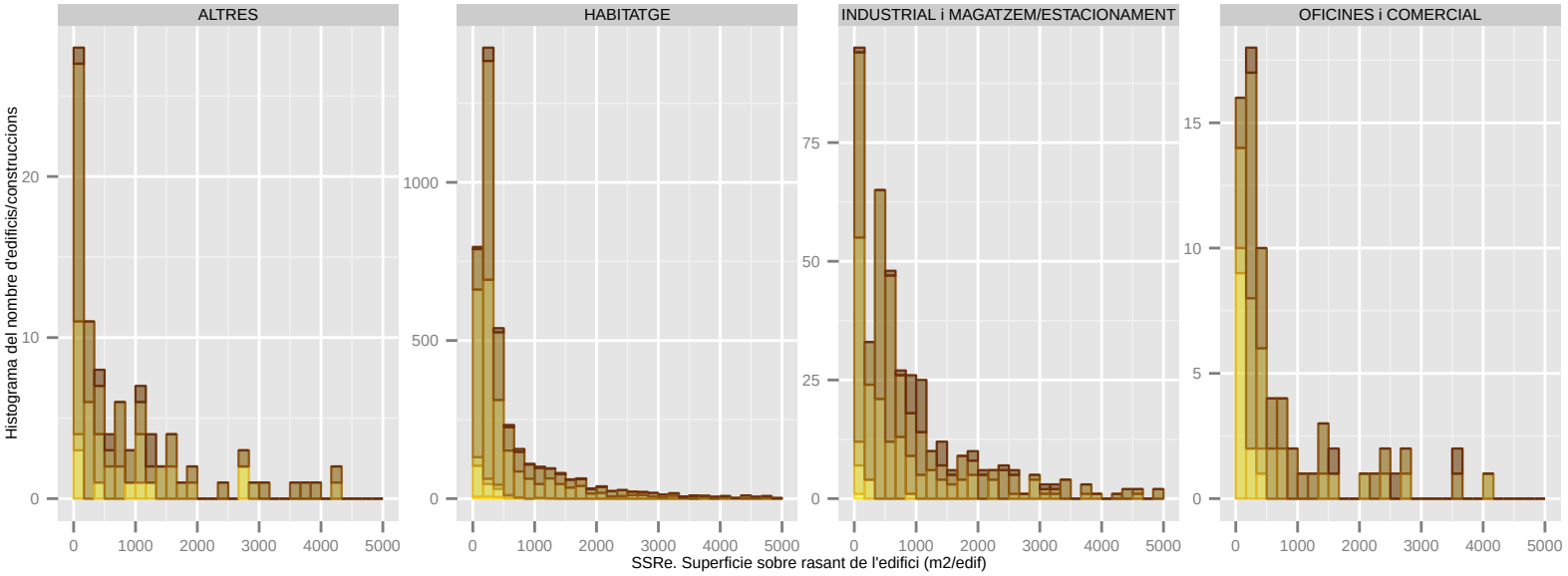
SSRe. Superficie sobre rasant de l'edifici (m2/edif): VILADECANS











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

2. ANY DE CONSTRUCCIÓ

Aquest indicador mostra l'*any de construcció ponderat* de l'edifici, que és l'any de construcció mig de l'edifici en base a la superfície construïda de les unitats constructives en el cas de que l'edifici estigui format per varies unitats constructives de diferent antiguitat.

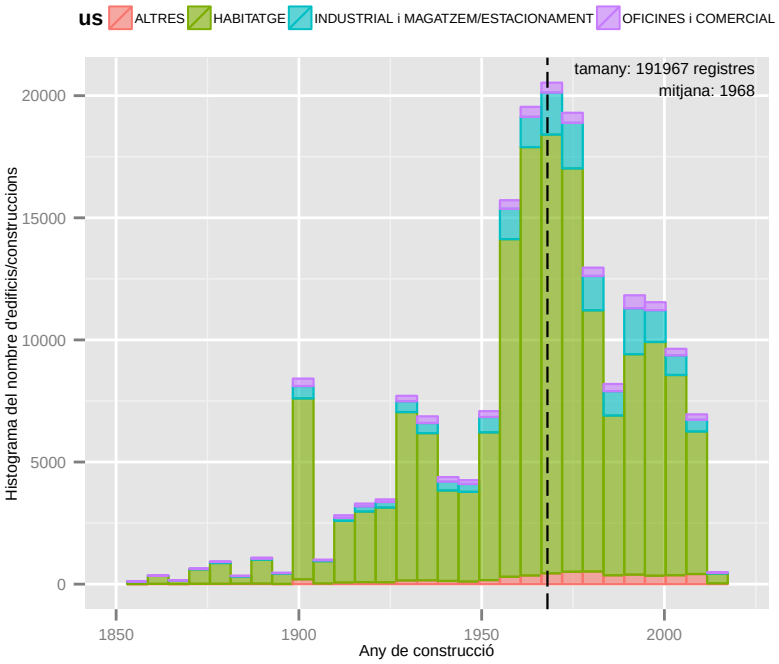
Es pot observat com la mitjana de l'any de construcció per tots els edificis de l'AMB data del 1968, per tant estem amb un parc d'edificis que comença a ser antic amb més de 40 anys i anteriors a les normatives NBE-CT-79 i òbviament al CTE, tenint en compte que deu haver una part important d'aquests que encara no s'han rehabilitat o que moltes de les rehabilitacions fetes potser no han tingut en compte possibles millores d'eficiència energètica, aleshores cap esperar que la rehabilitació d'una part important d'aquests edificis serà necessària en els propers anys.

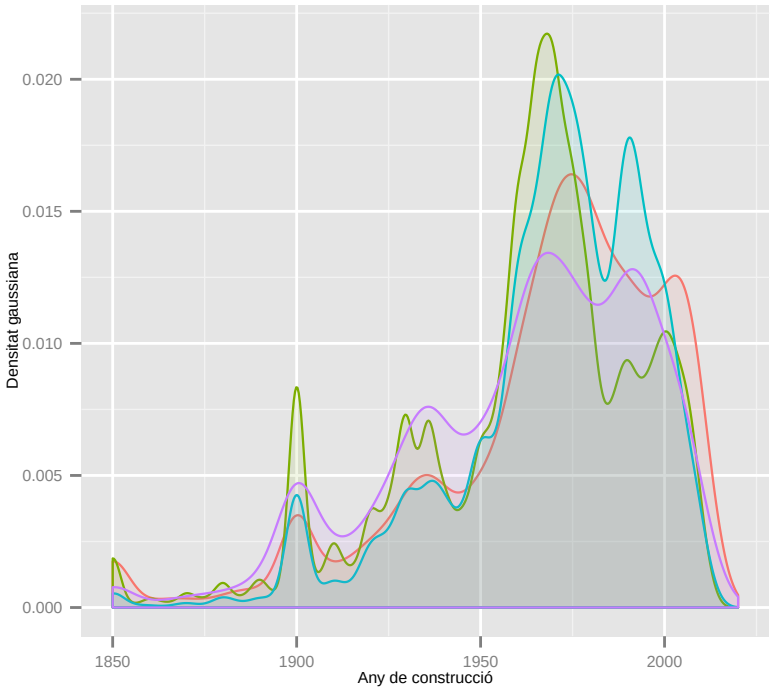
Observant les dades per municipi, és Begues i Sant Cugat del Vallès els que tenen menor antiguitat, amb una mitjana de l'any de construcció de 1989 pels dos. En canvi el municipi amb major antiguitat és Barcelona amb l'any de 1957.

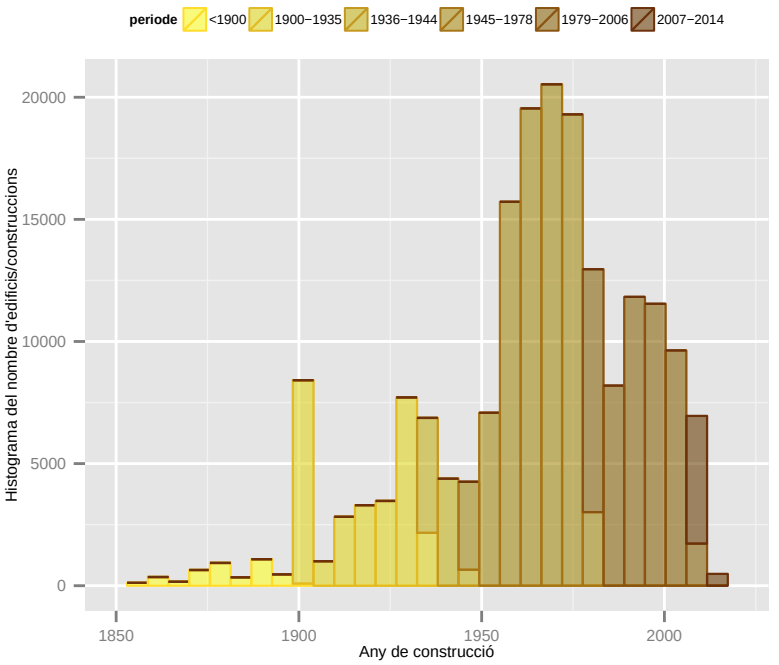
Incidència en el consum d'energia:

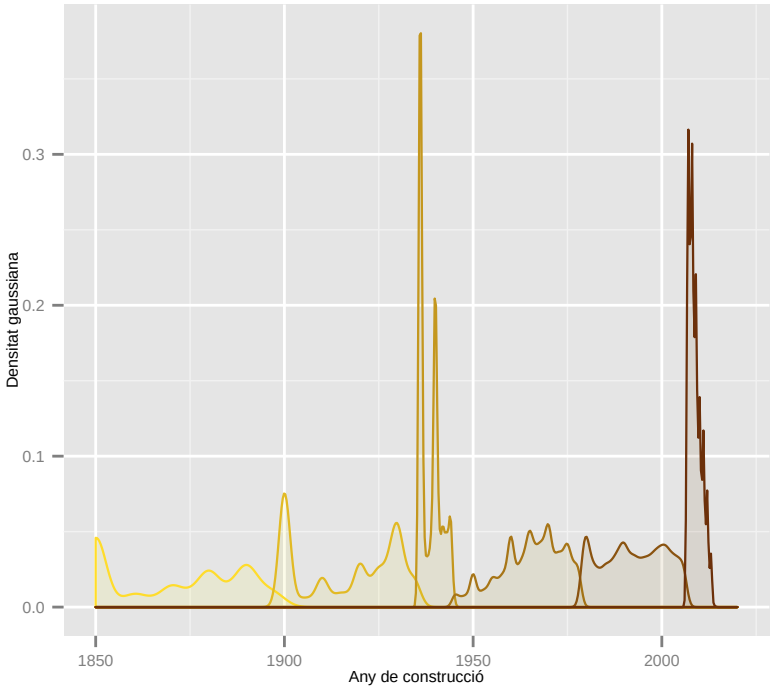
Una antiguitat major implicarà (excepte determinades excepcions) un pitjor aïllament i per tant seran edificis –per norma general- amb major demanda energètica.

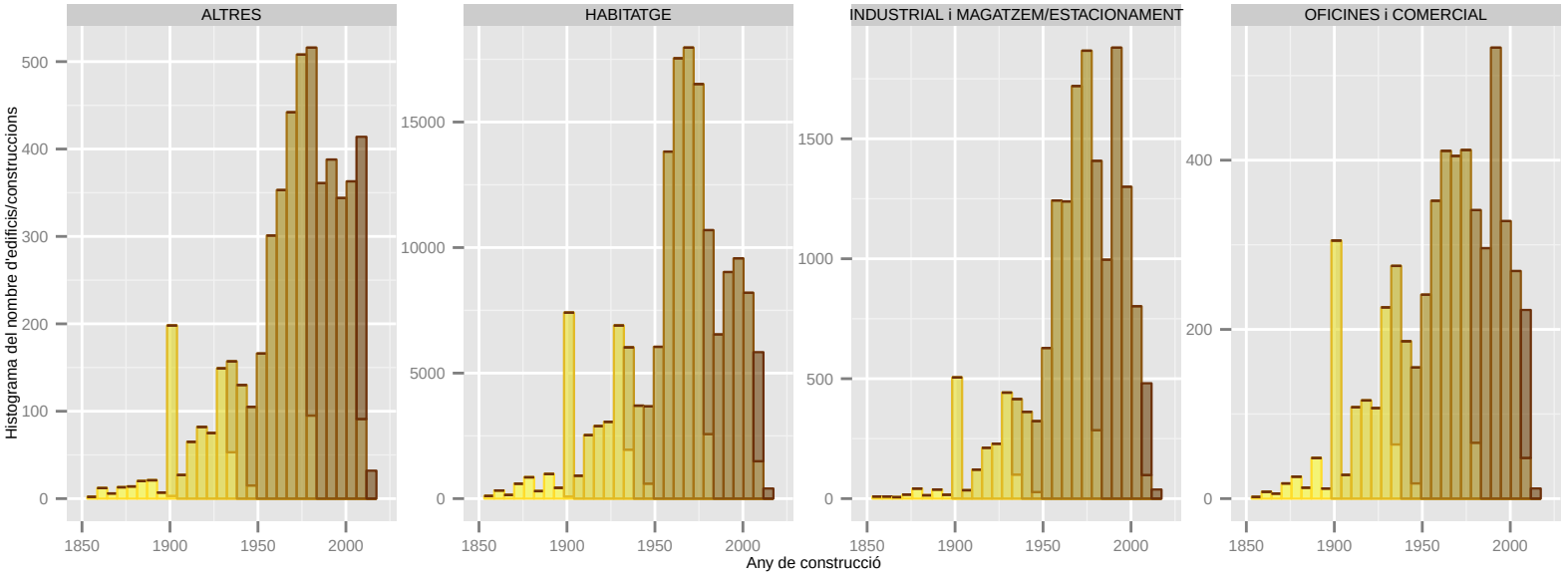
Any de construcció: AMB





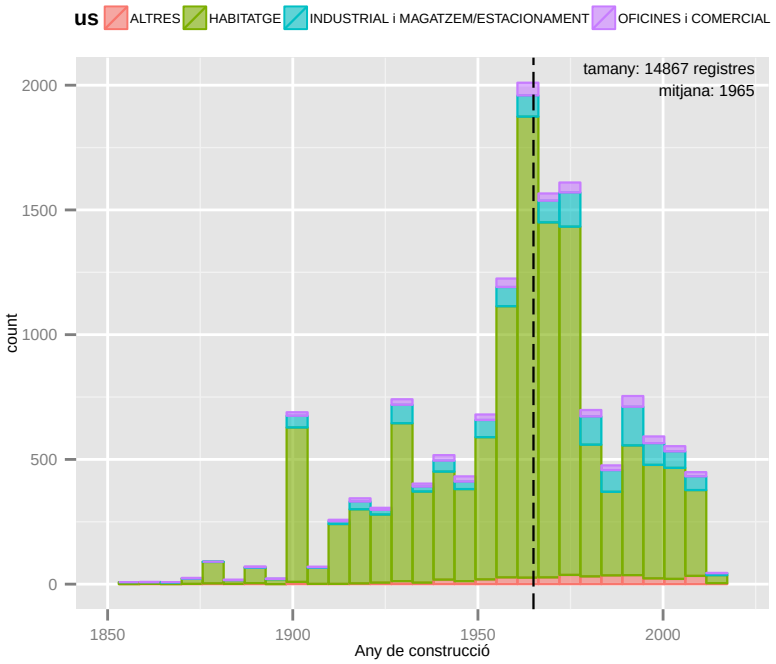


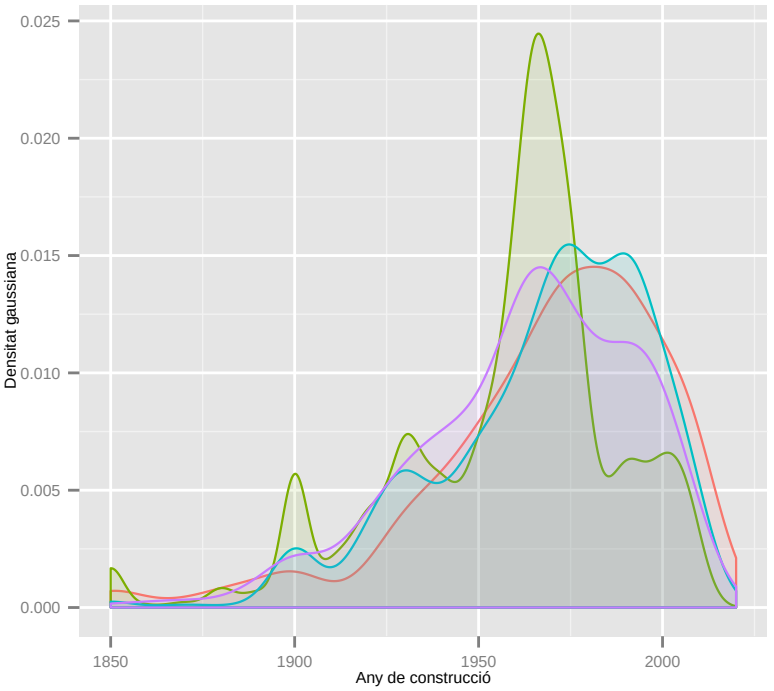


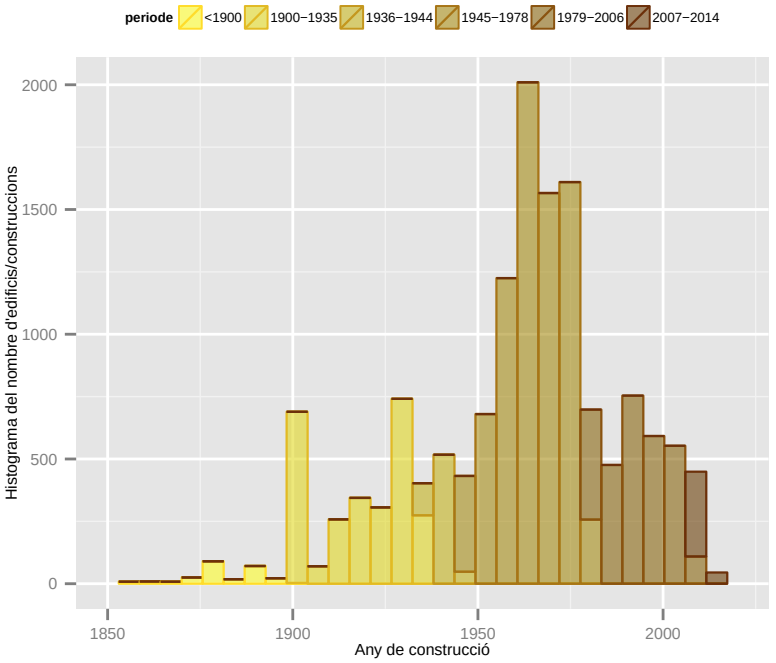


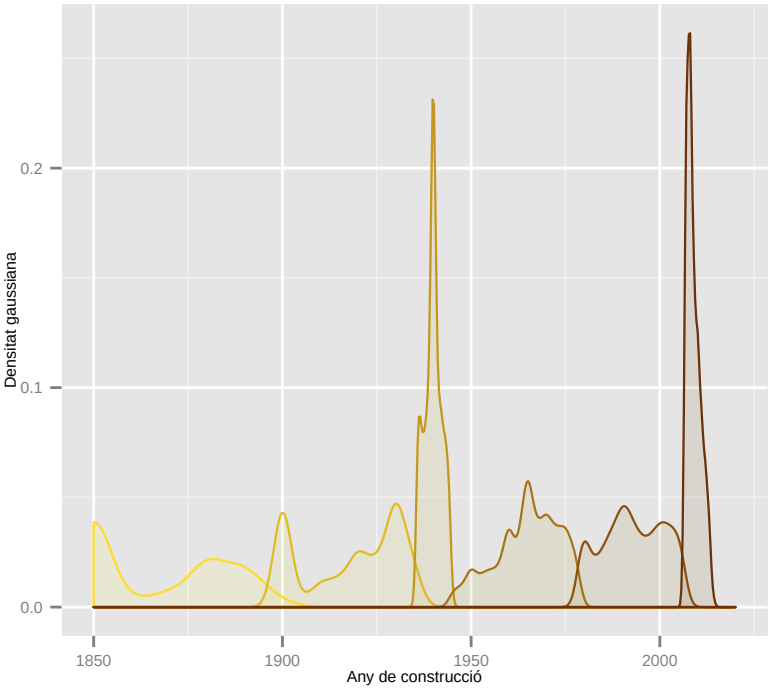
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

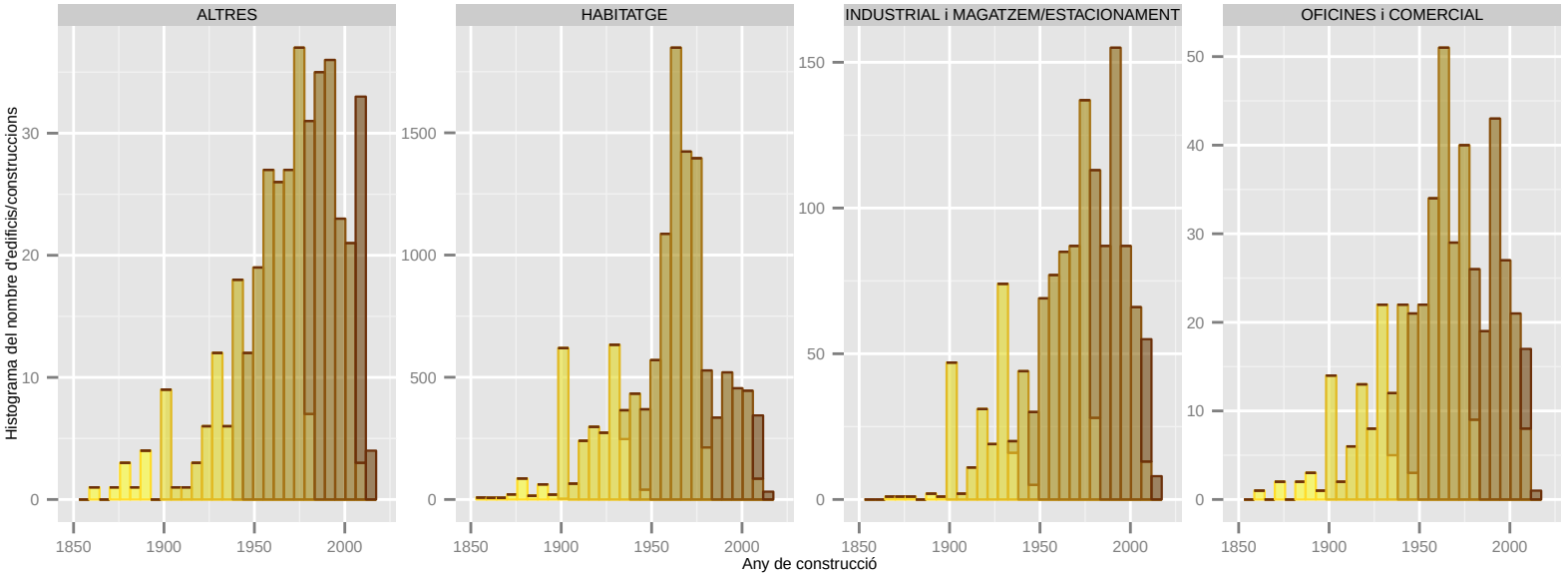
Any de construcció: BADALONA





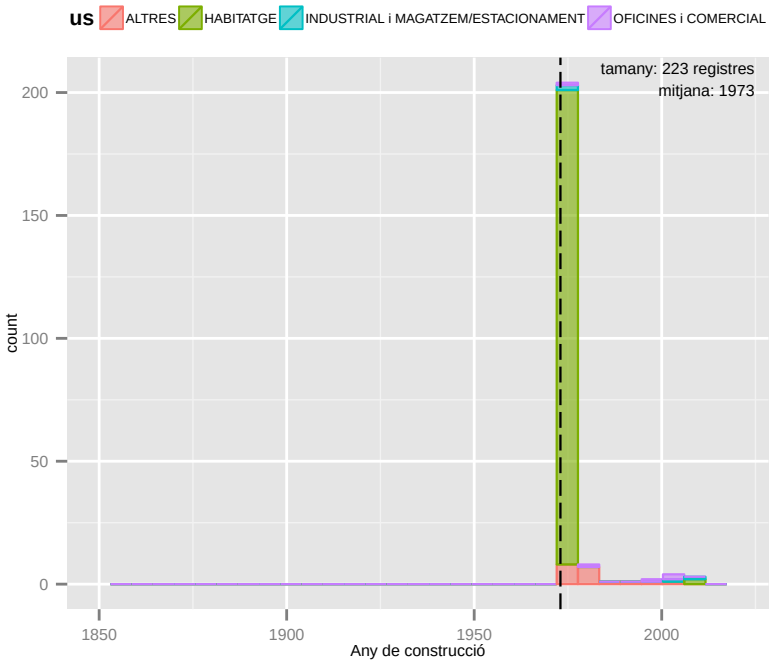


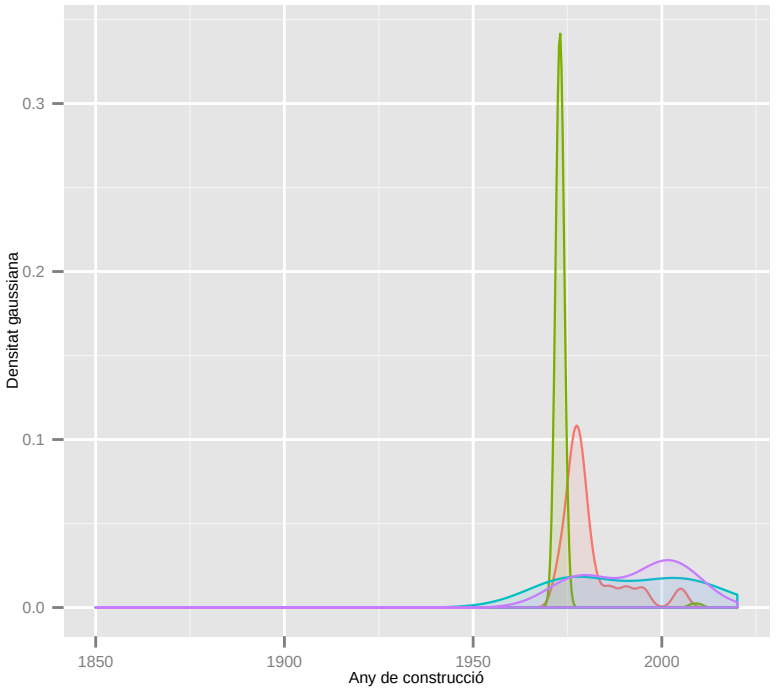


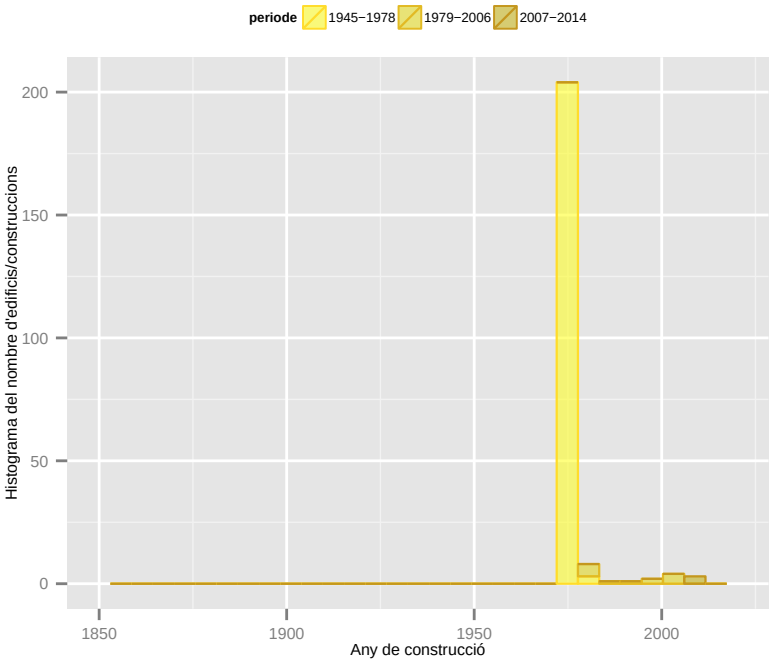


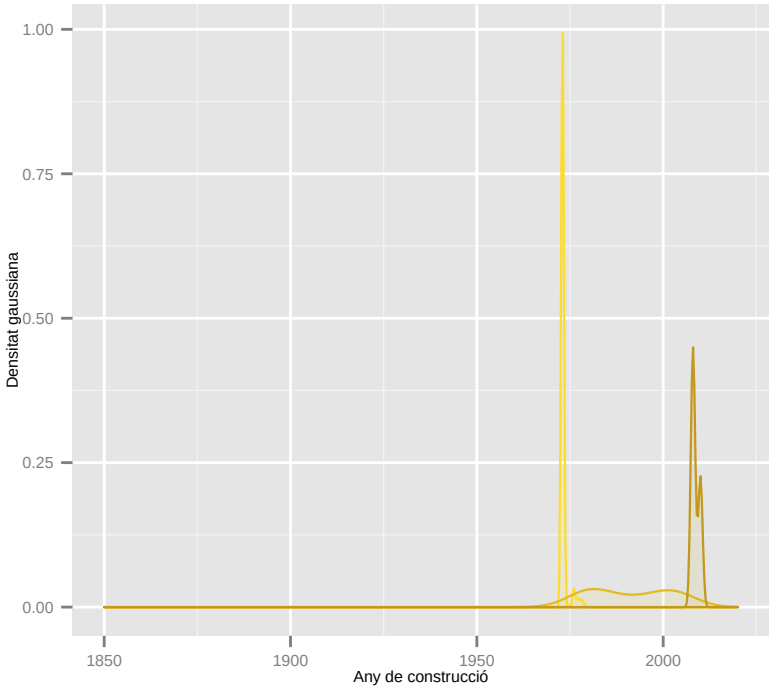
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

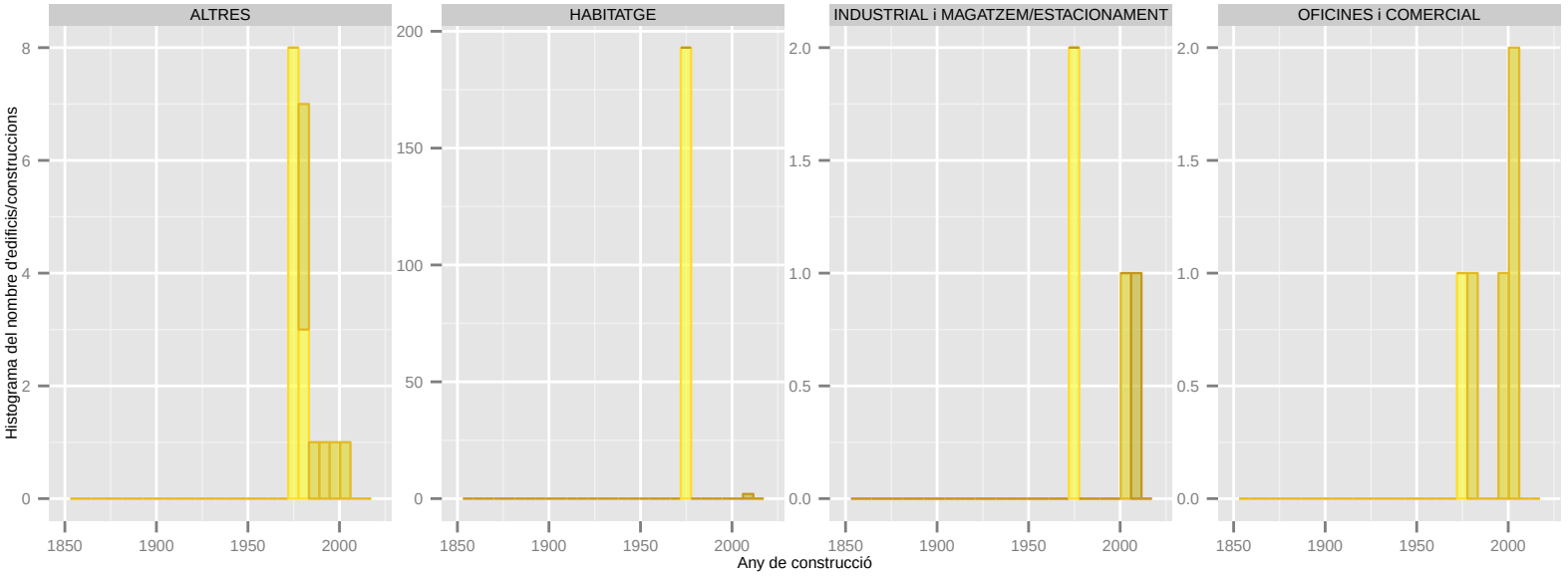
Any de construcció: BADIA DEL VALLES





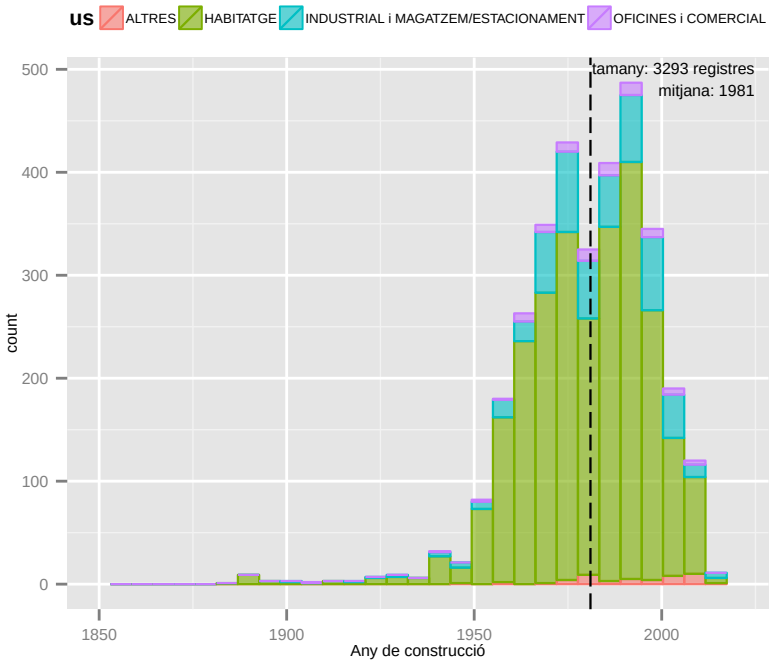


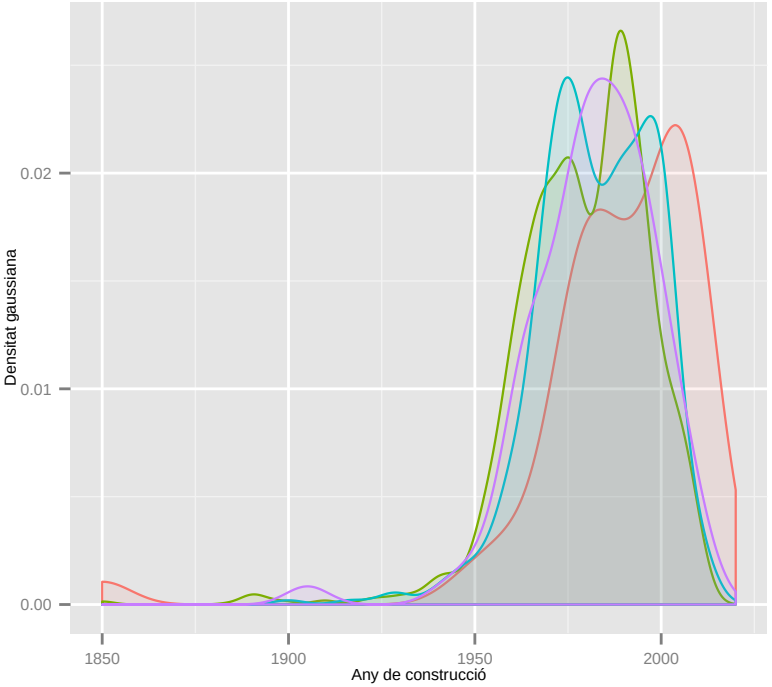


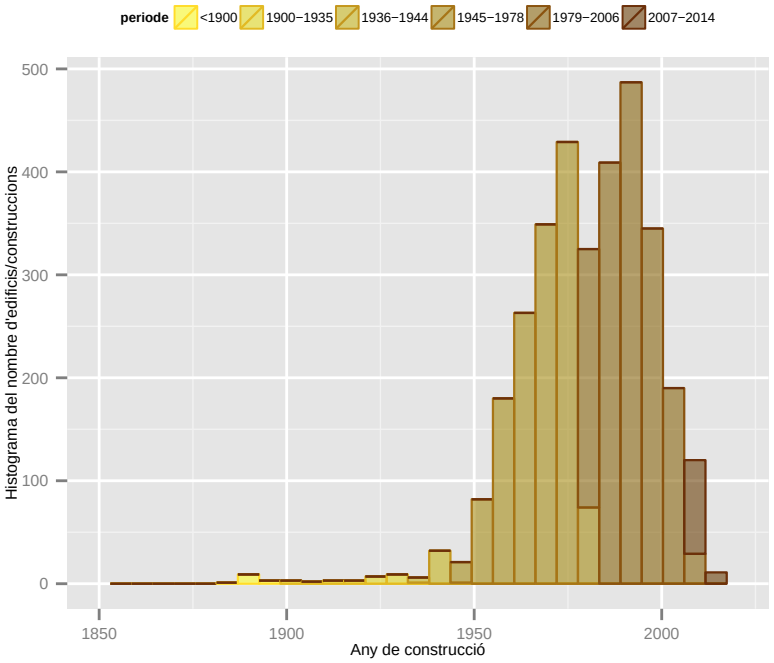


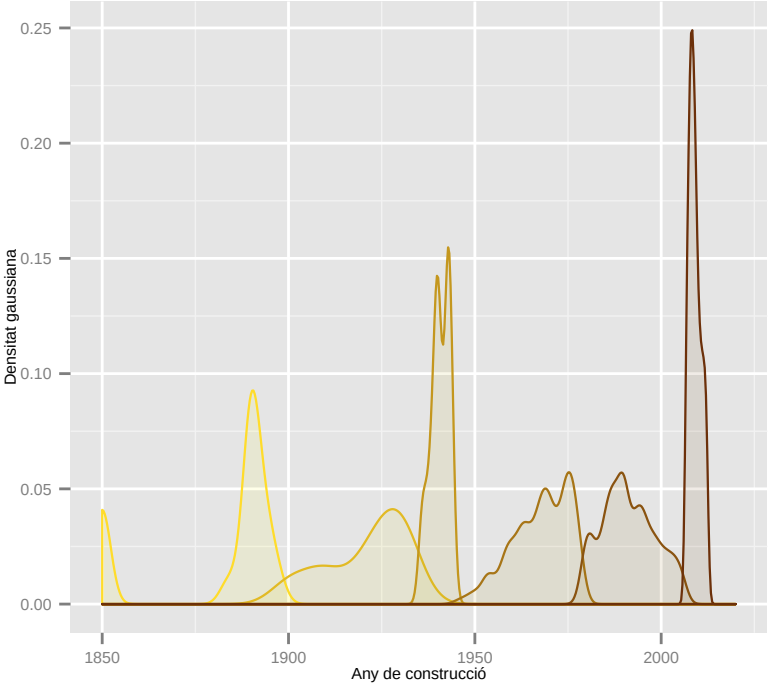
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

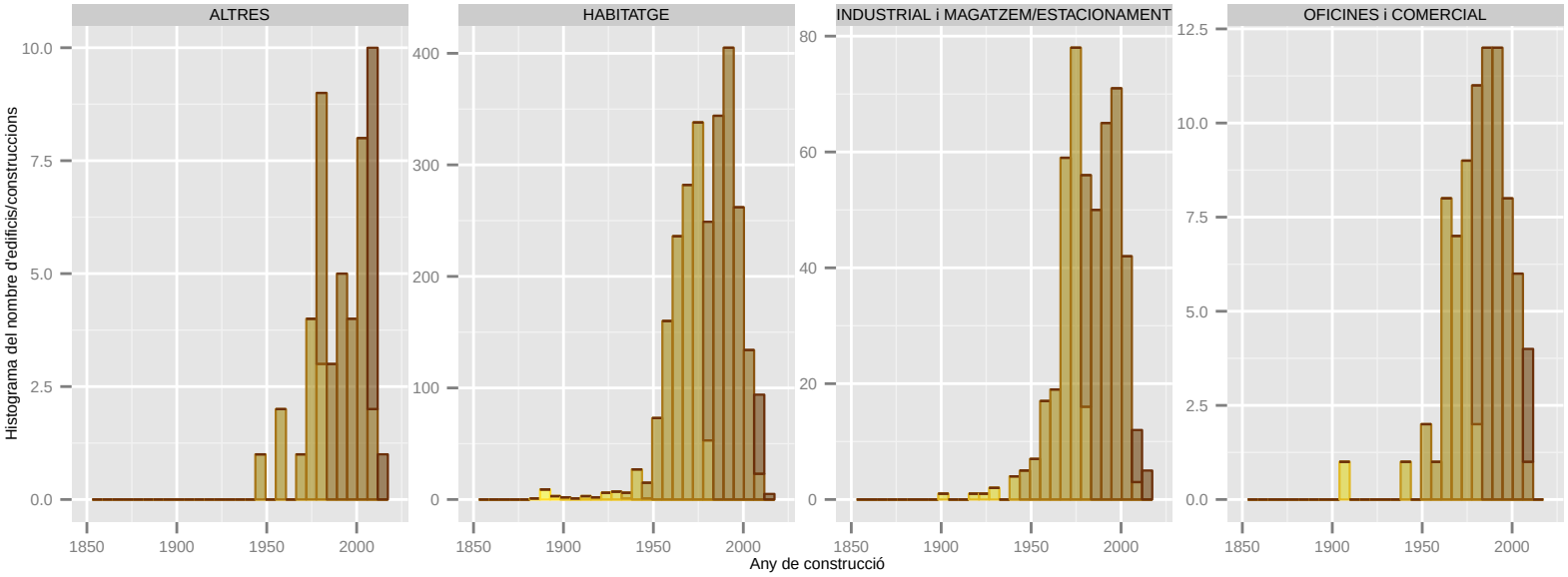
Any de construcció: BARBERA DEL VALLES











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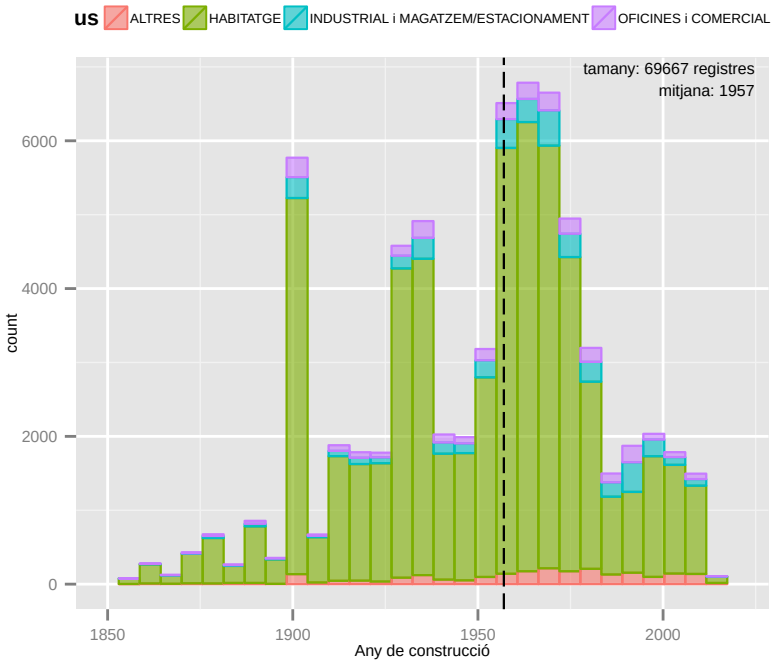
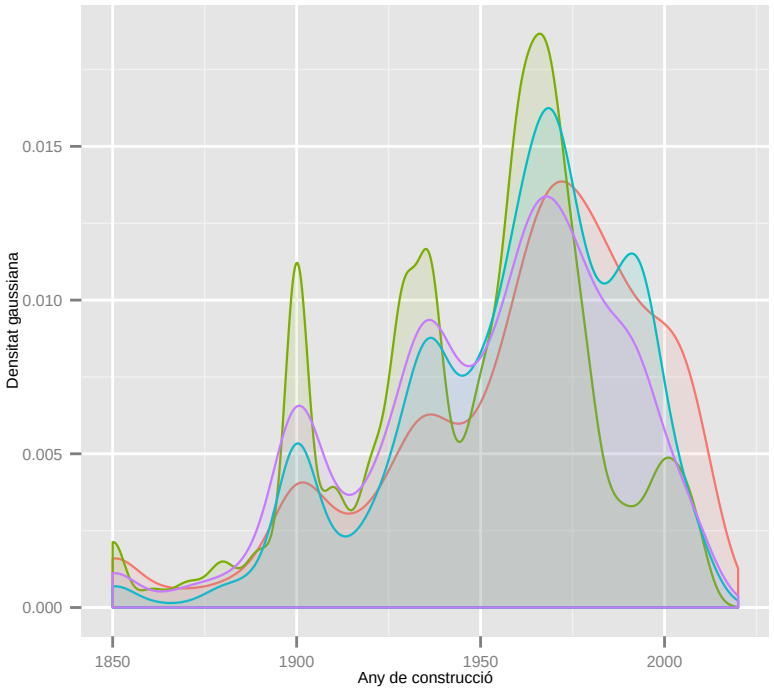
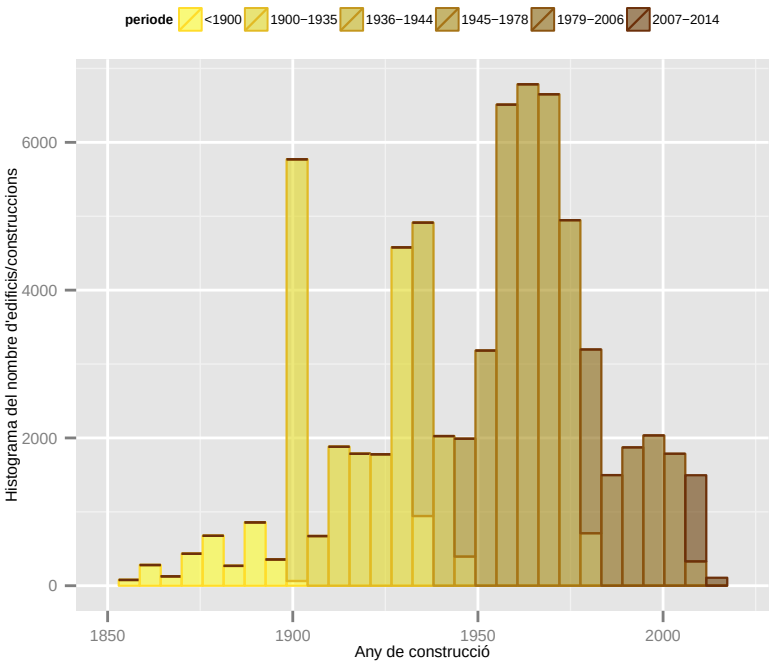
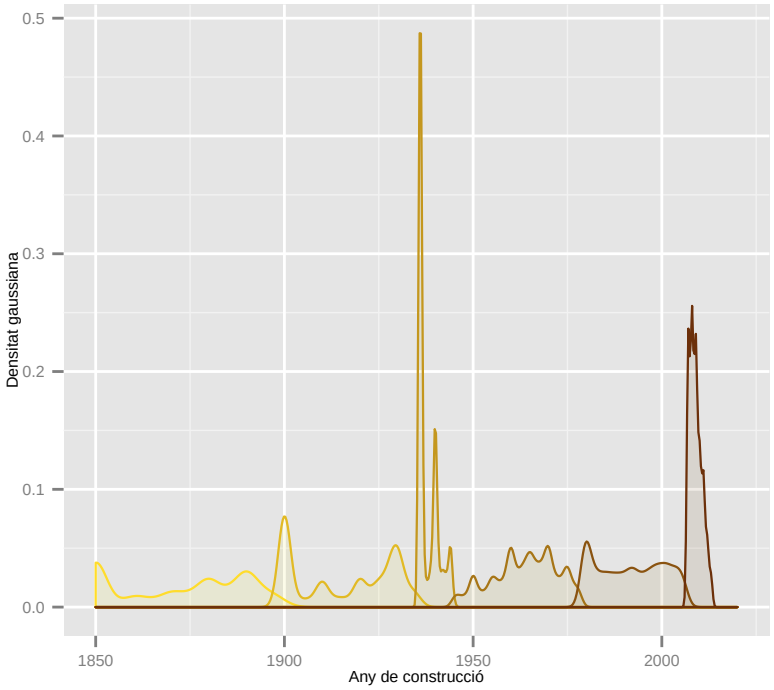
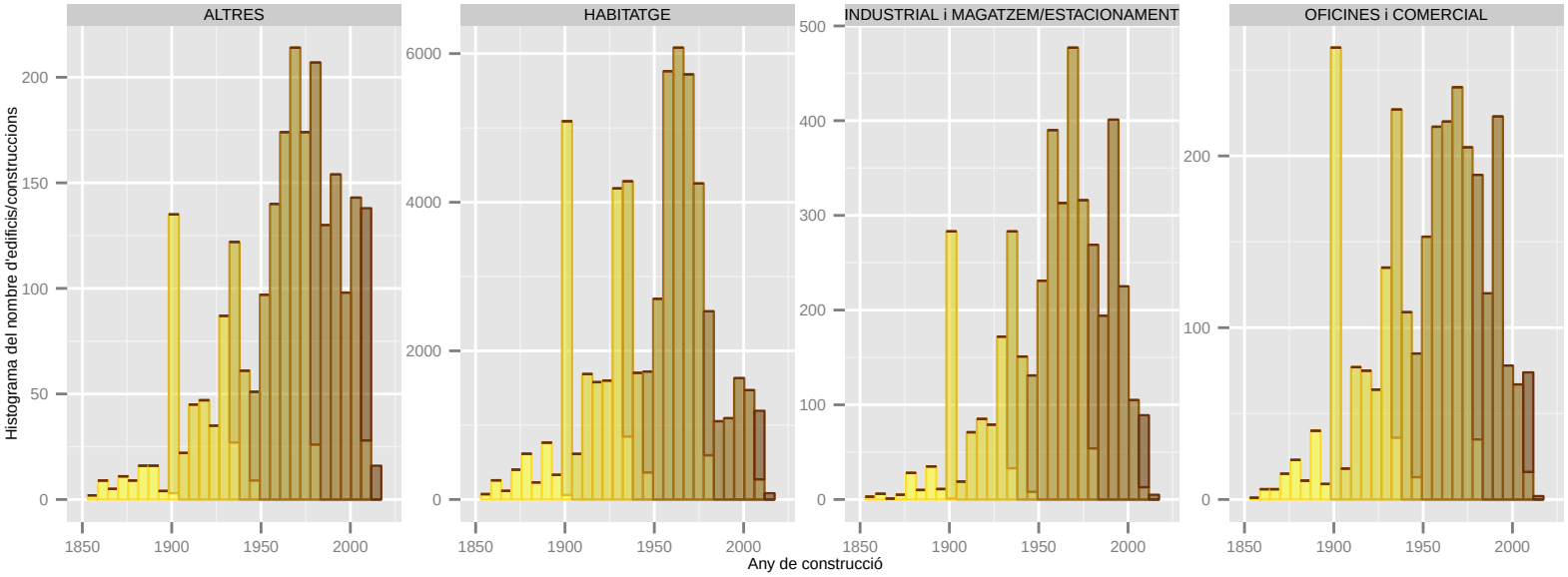
Any de construcció: BARCELONA





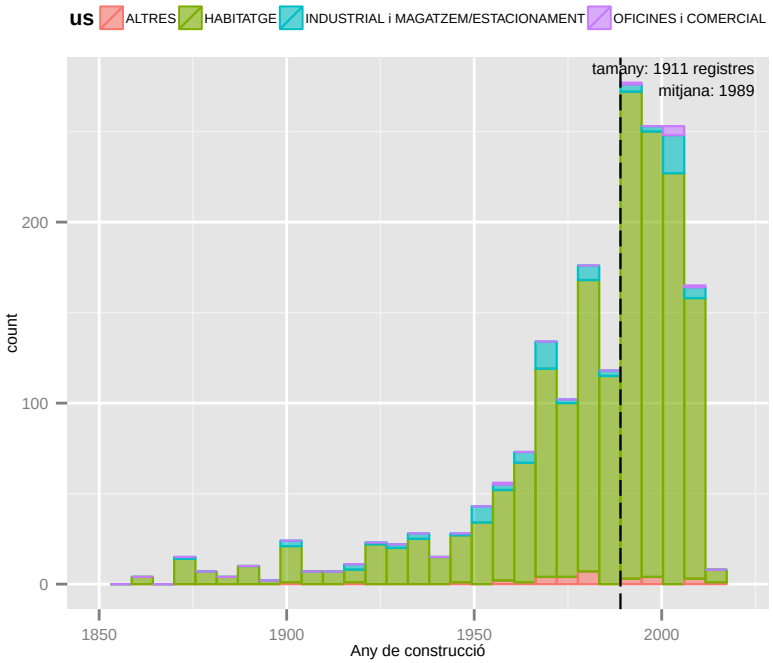


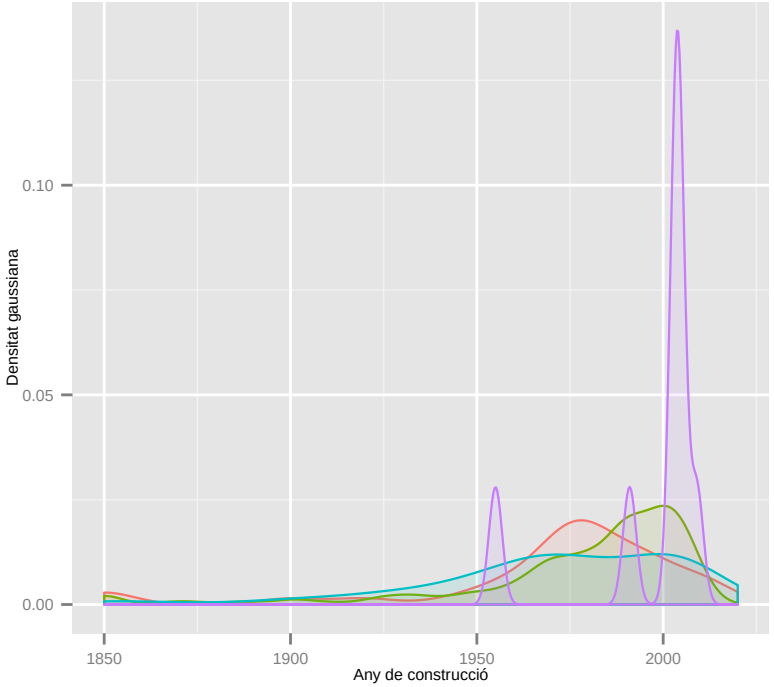


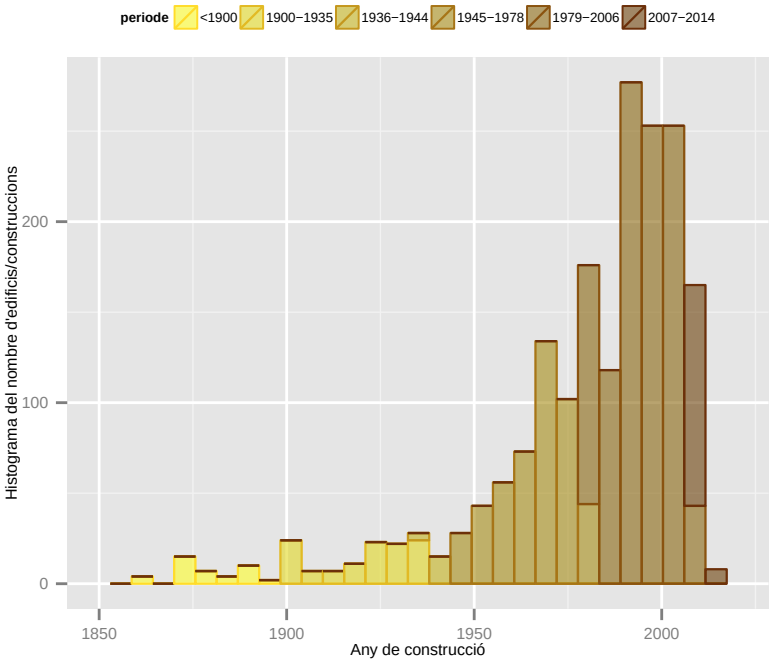


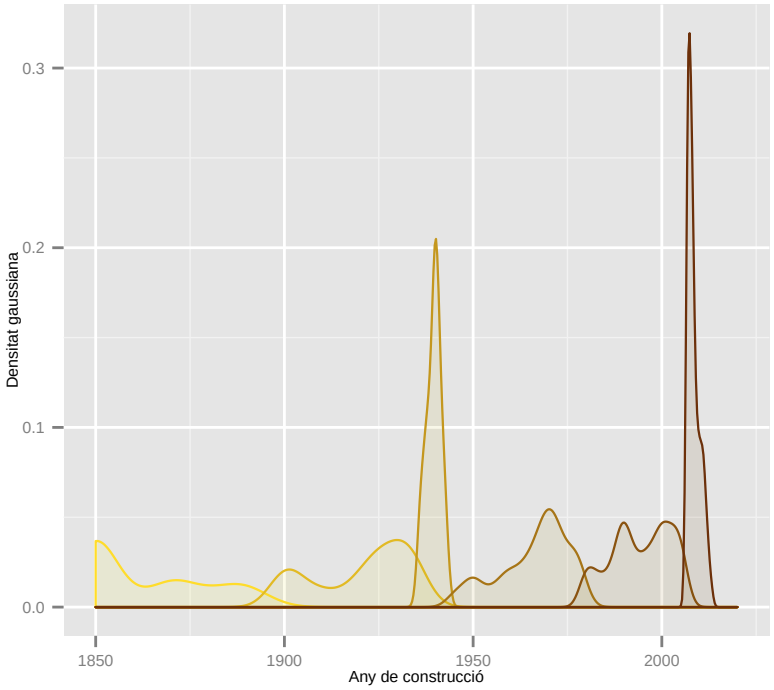
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

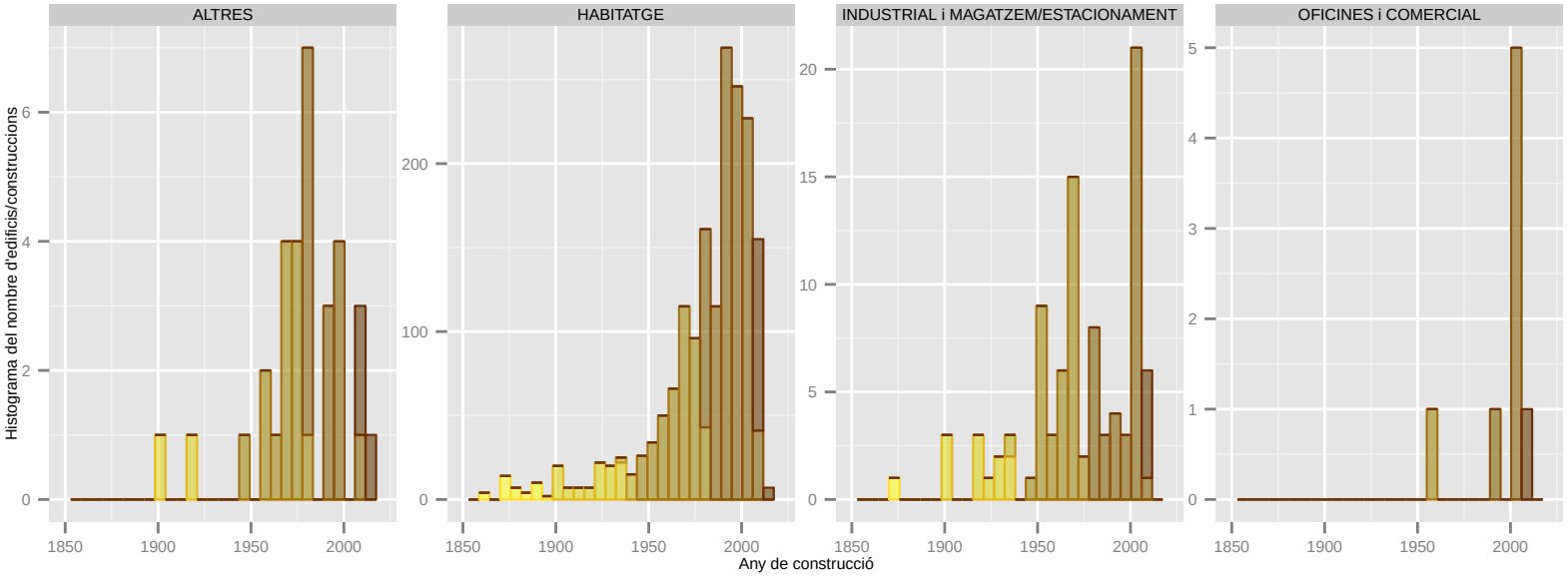
Any de construcció: BEGUES





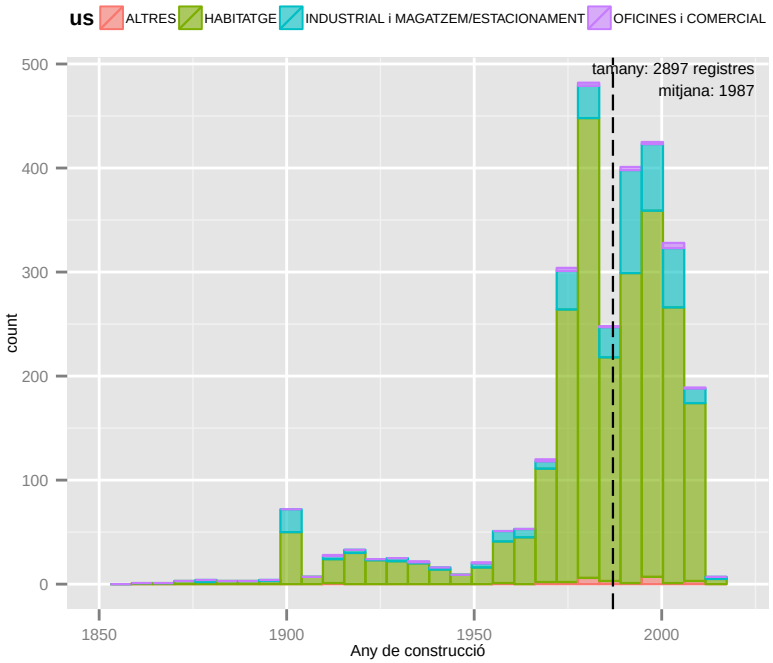


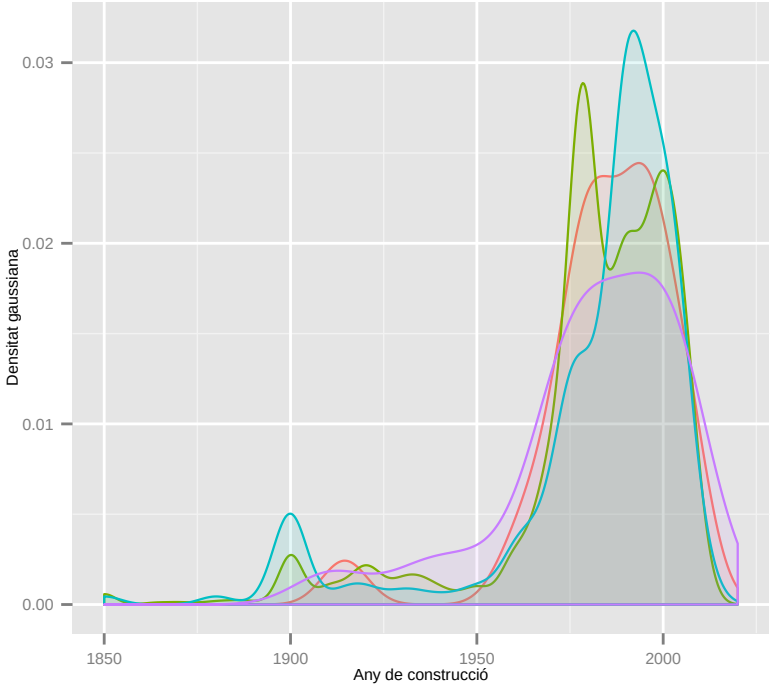


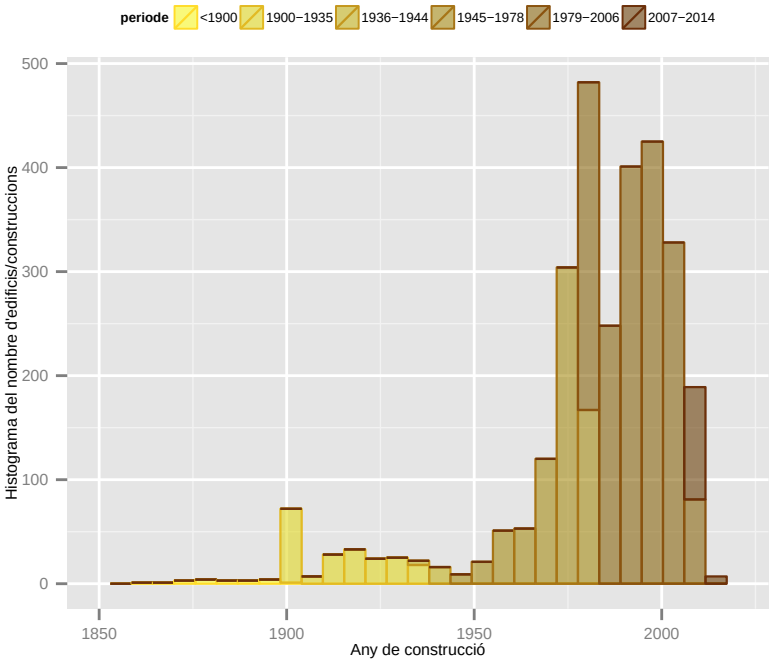


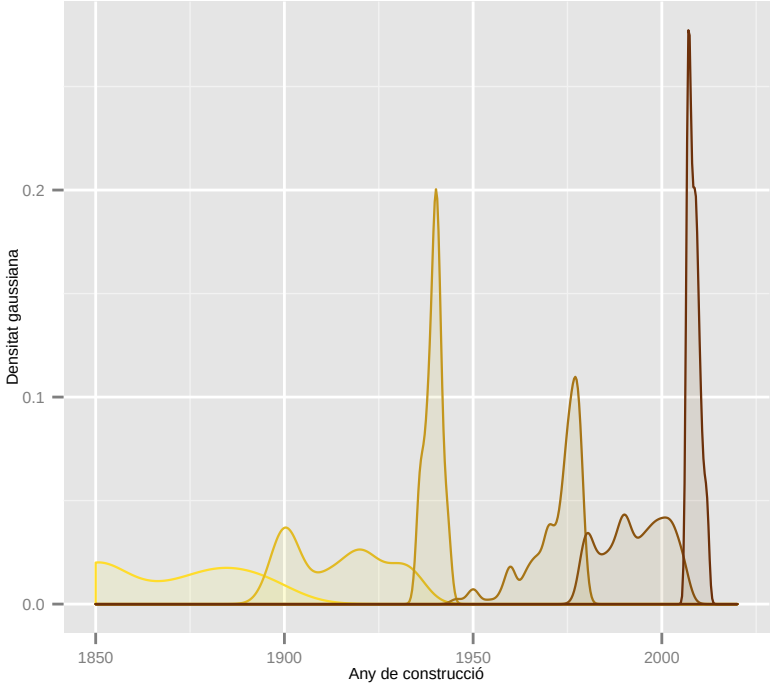
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

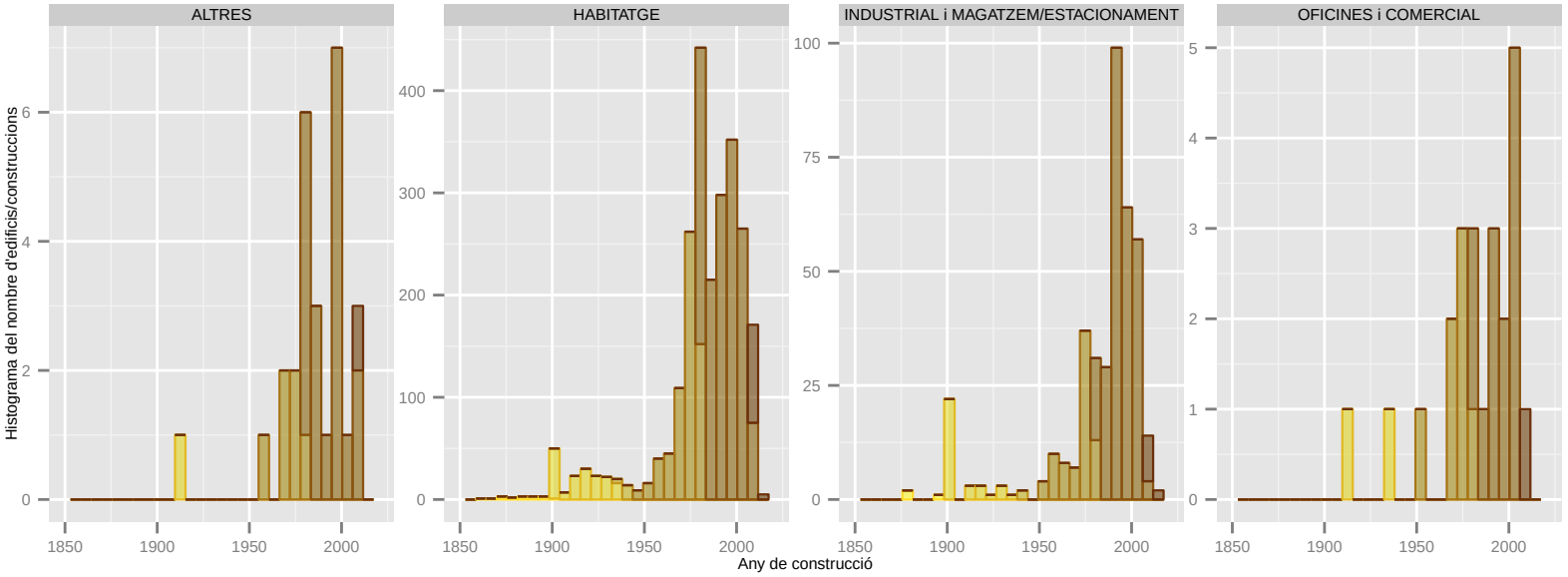
Any de construcció: CASTELLBISBAL





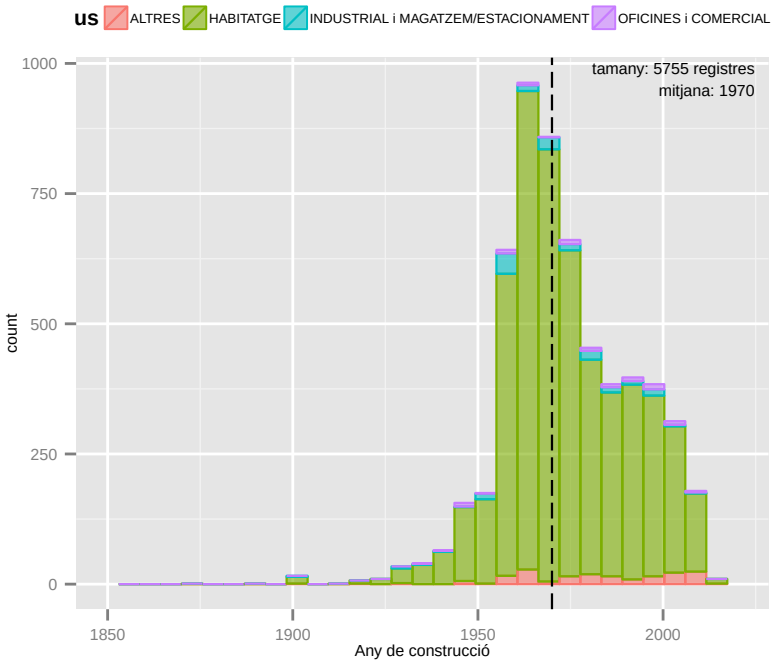


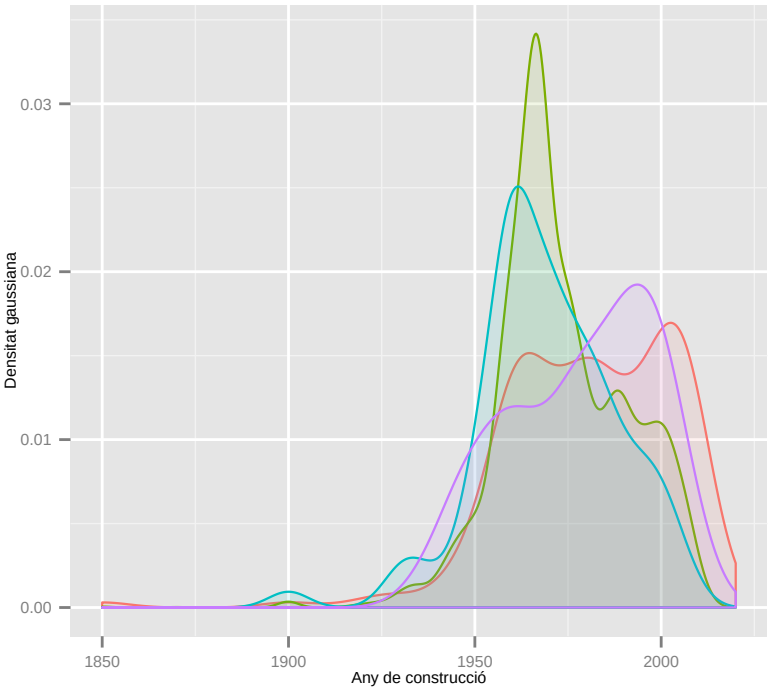


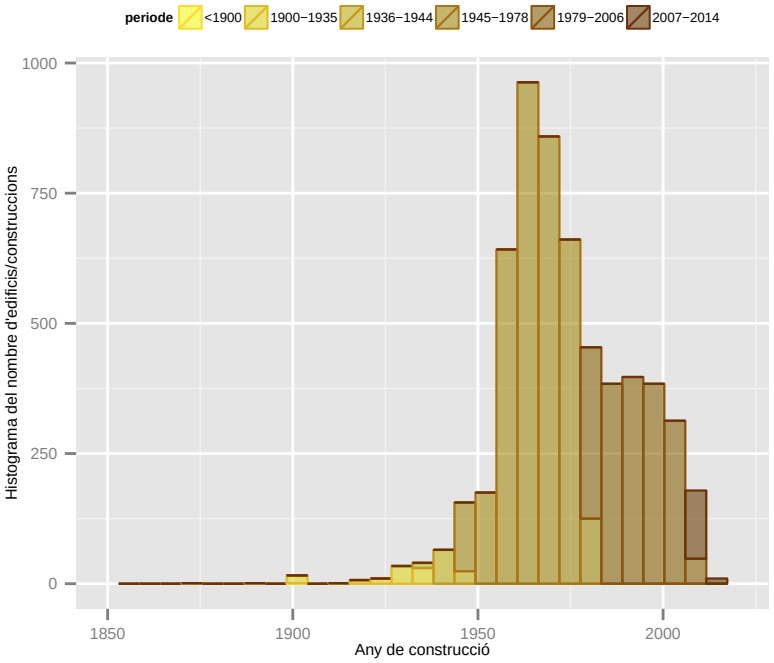


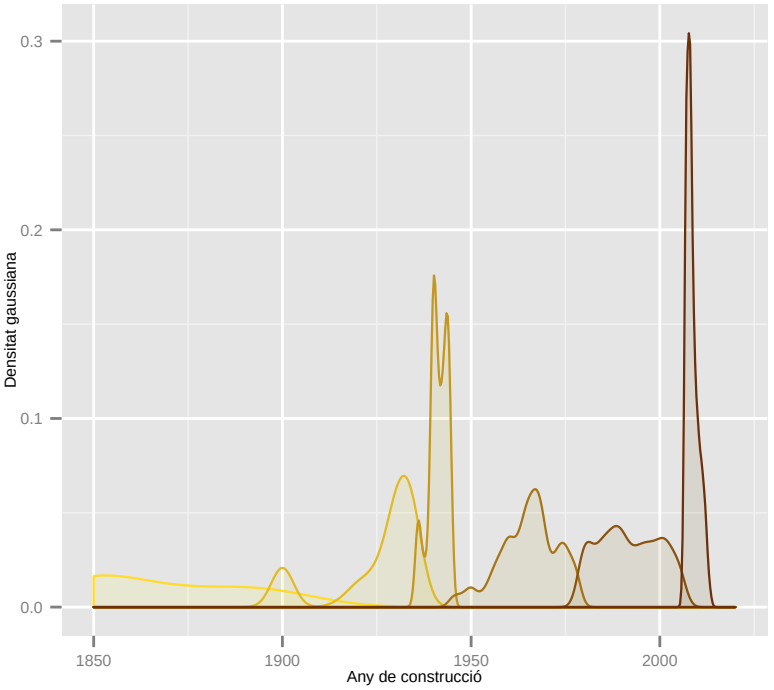
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

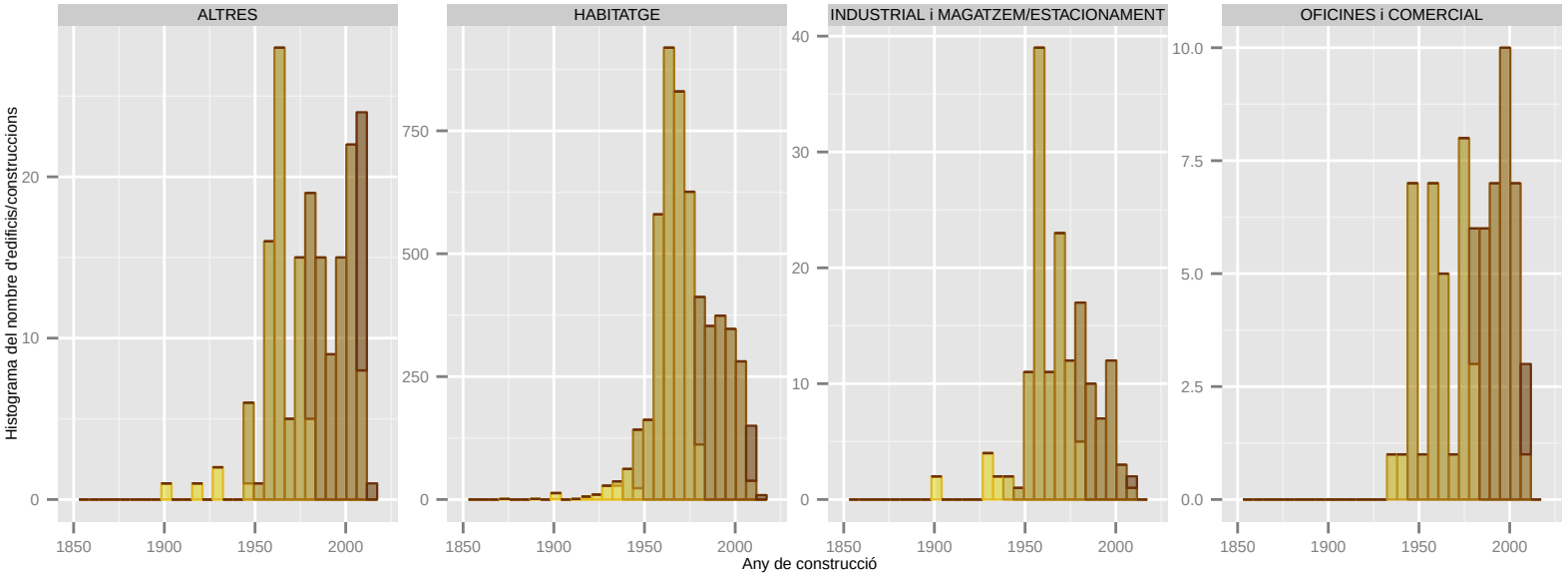
Any de construcció: CASTELLDEFELS





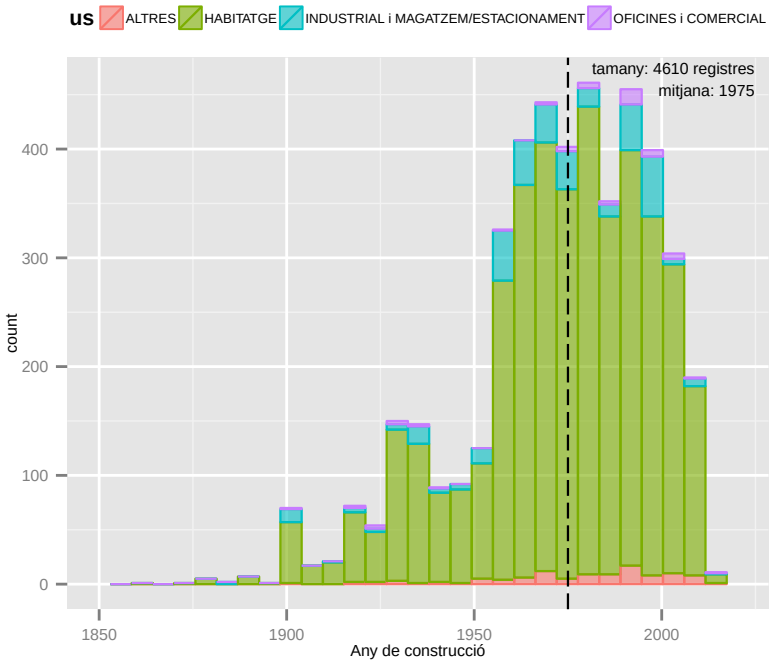


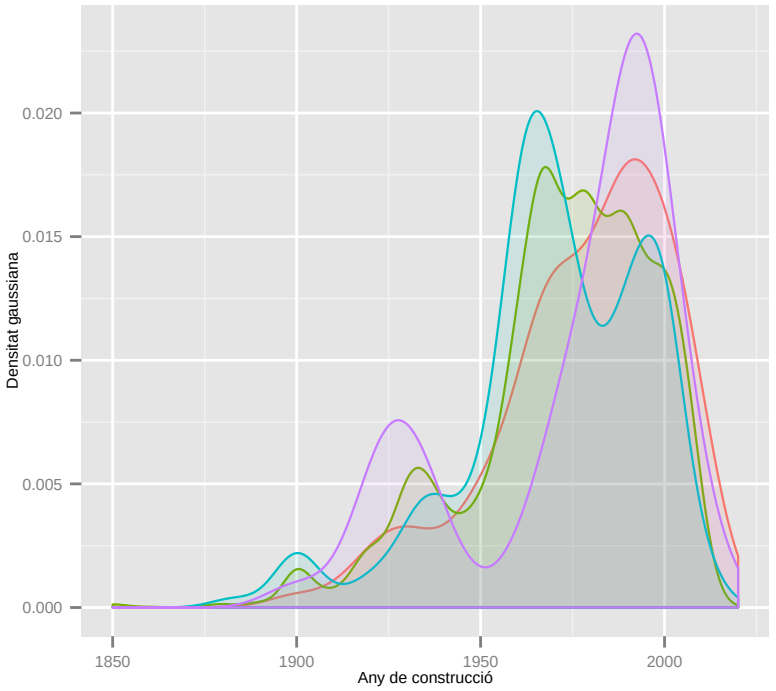


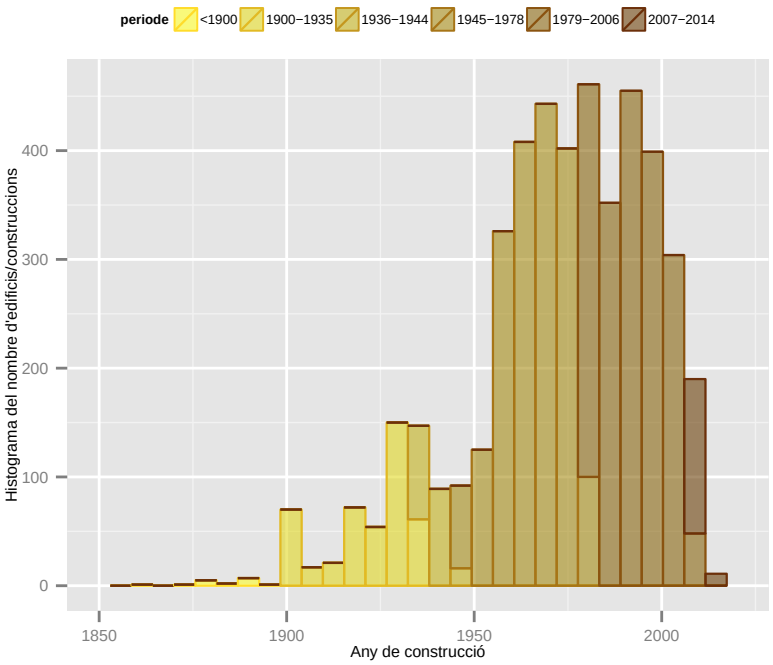


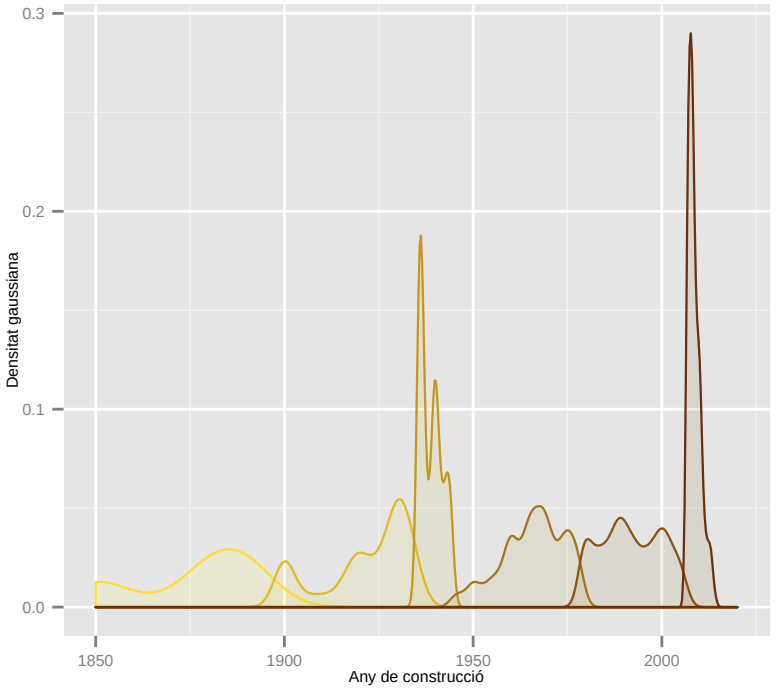
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

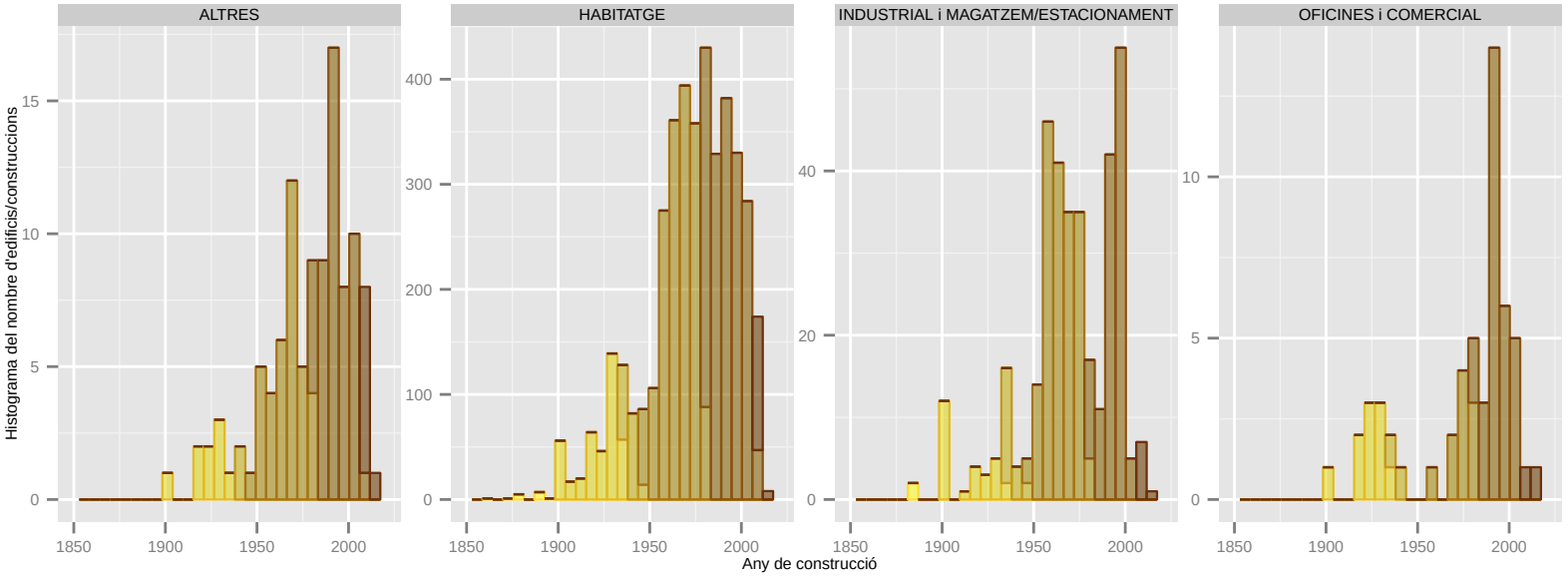
Any de construcció: CERDANYOLA DEL VALLES





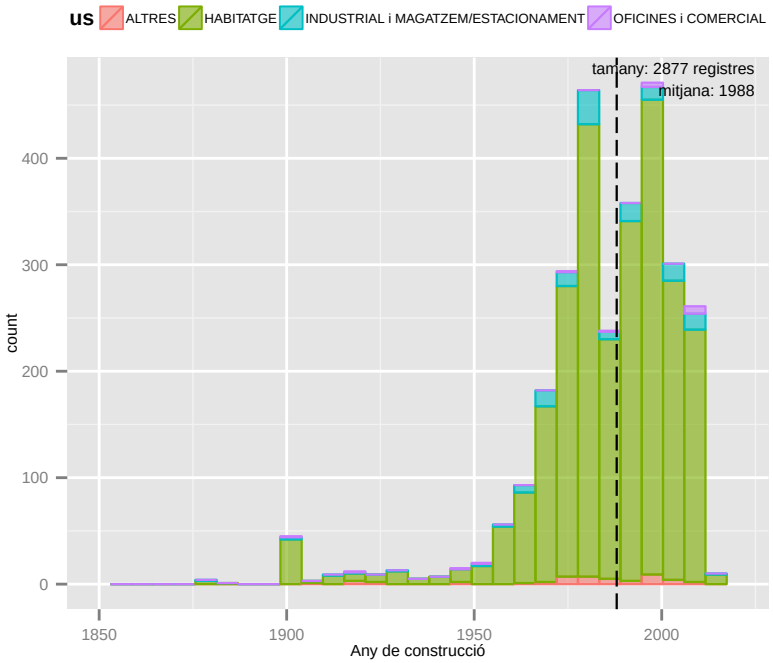


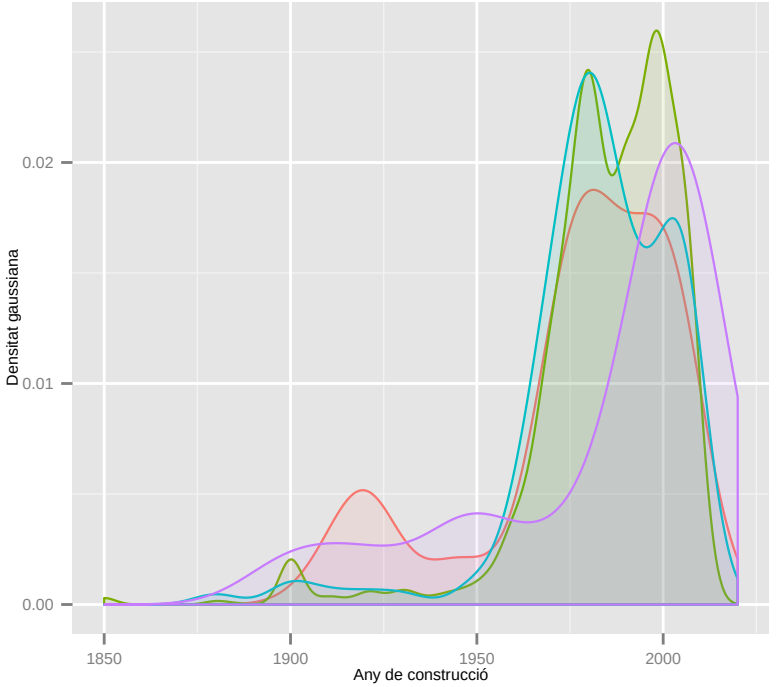


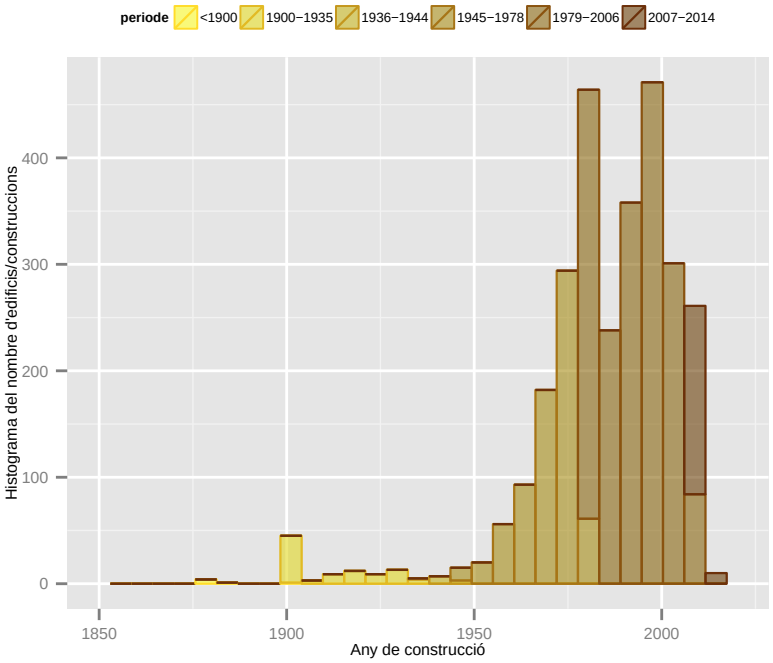


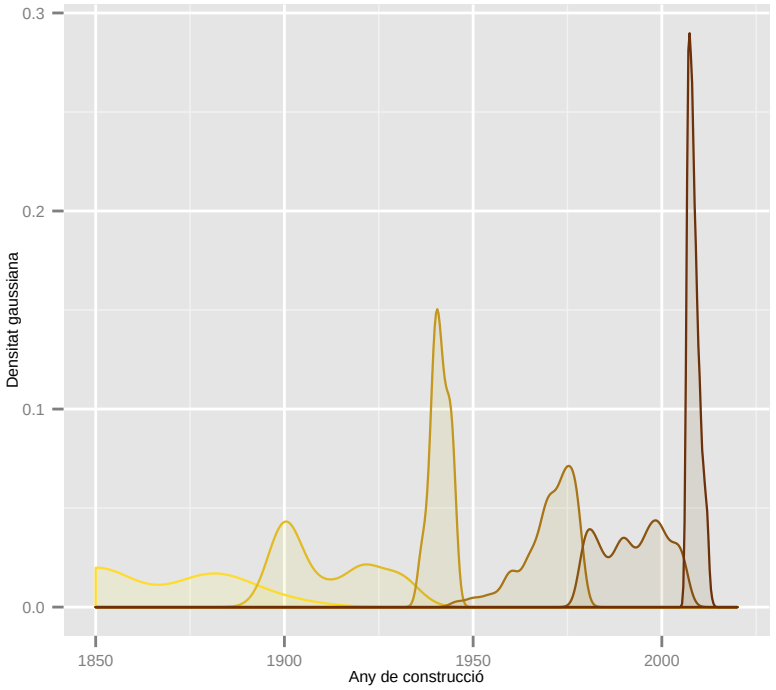
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

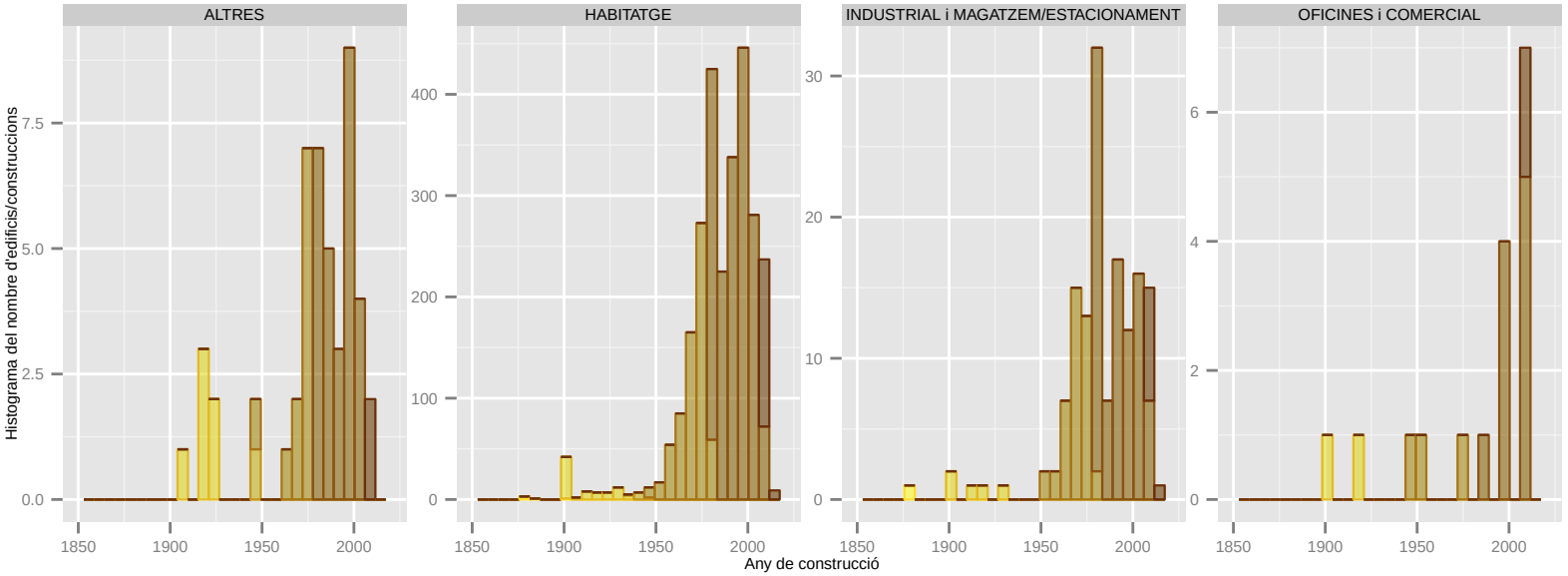
Any de construcció: CERVELLO





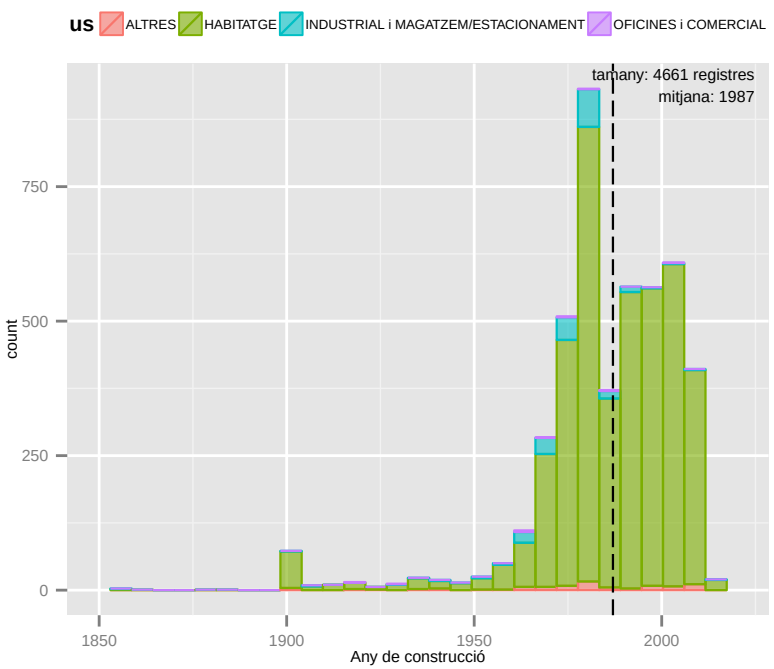


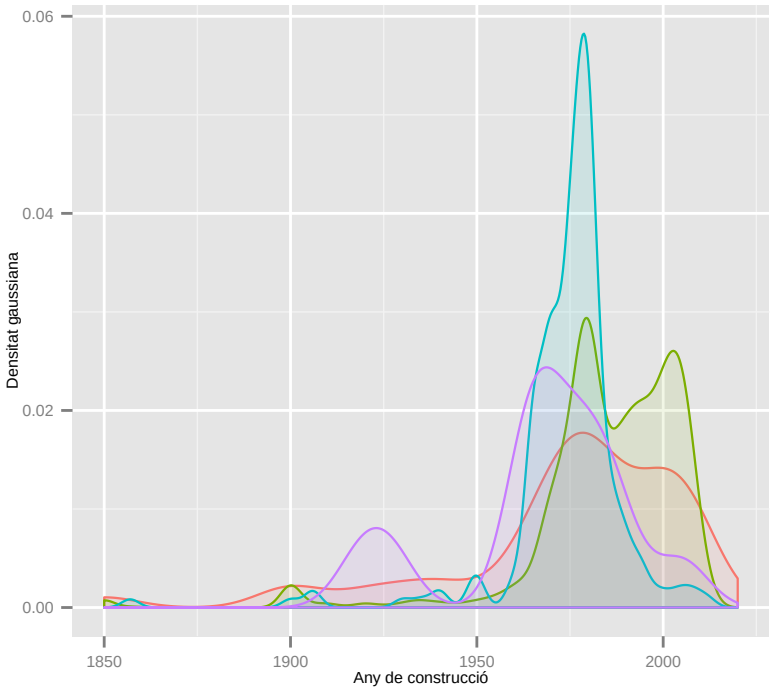


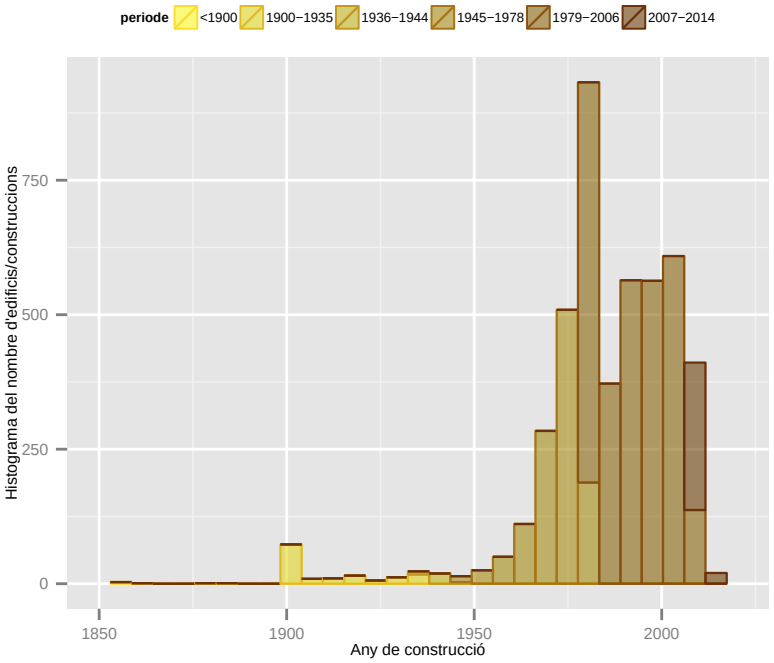


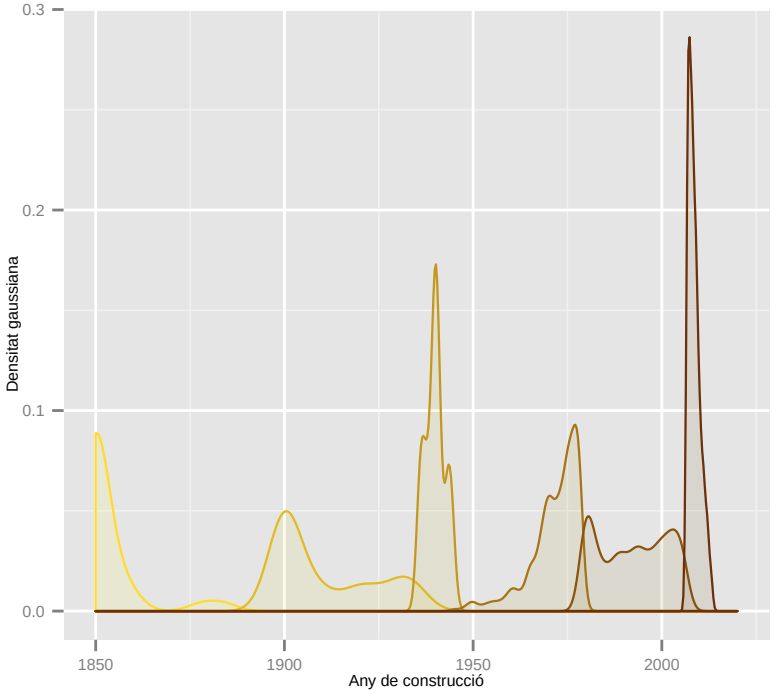
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

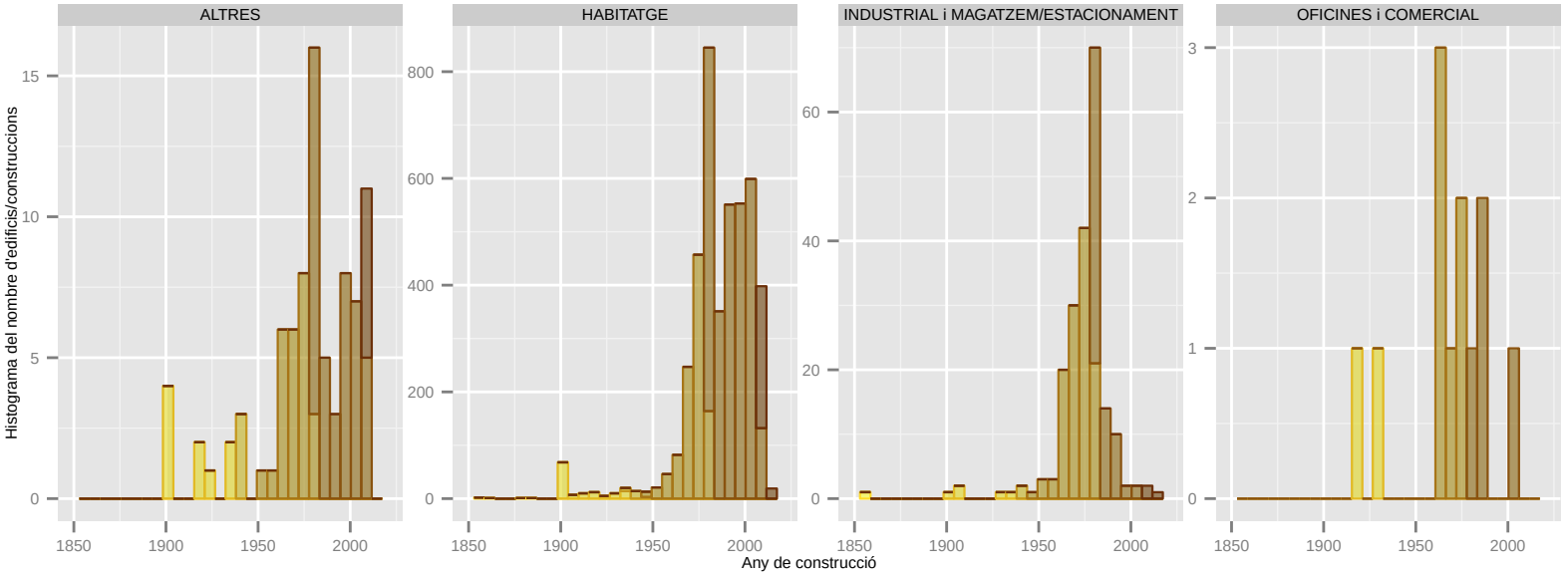
Any de construcció: CORBERA DE LLOBREGAT











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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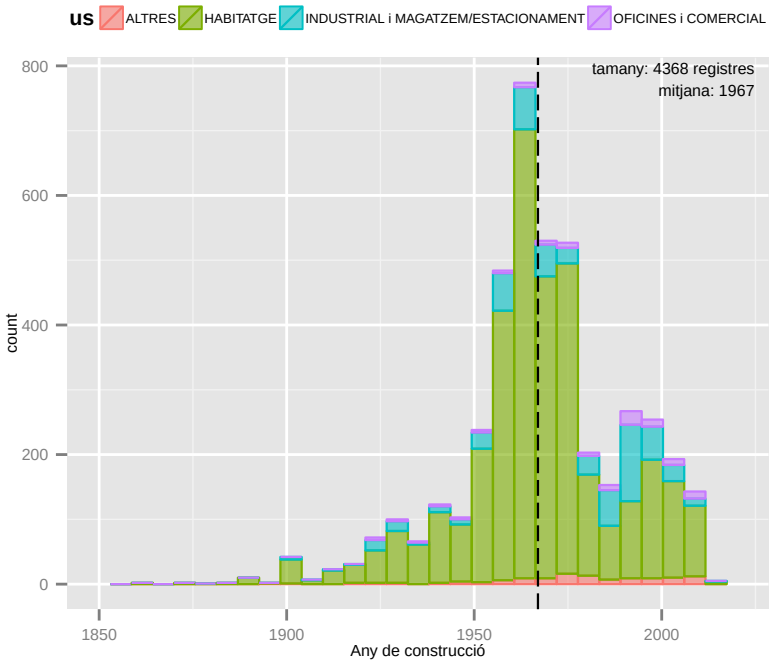
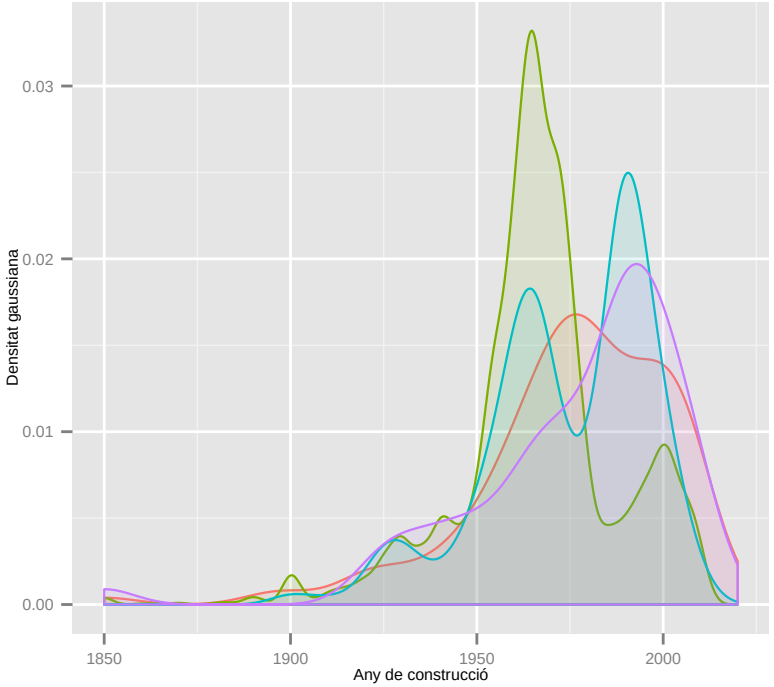
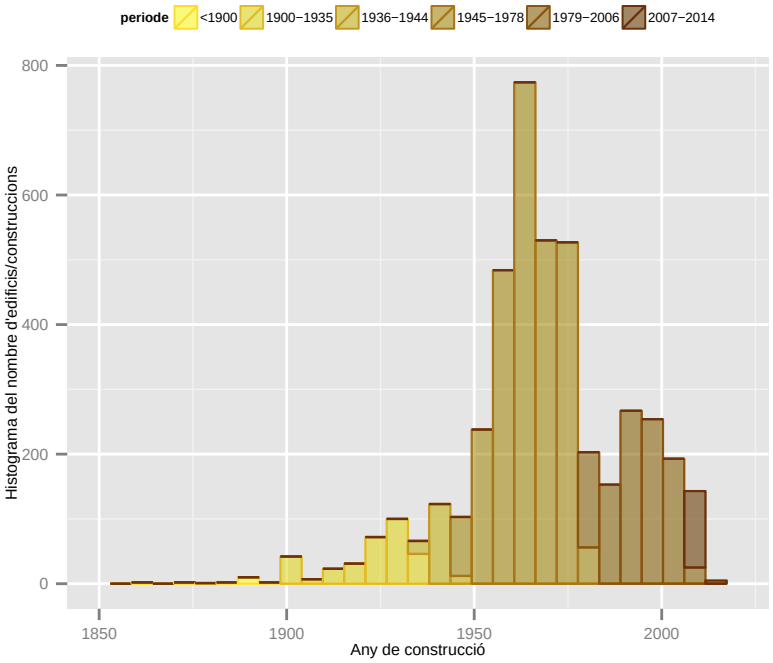
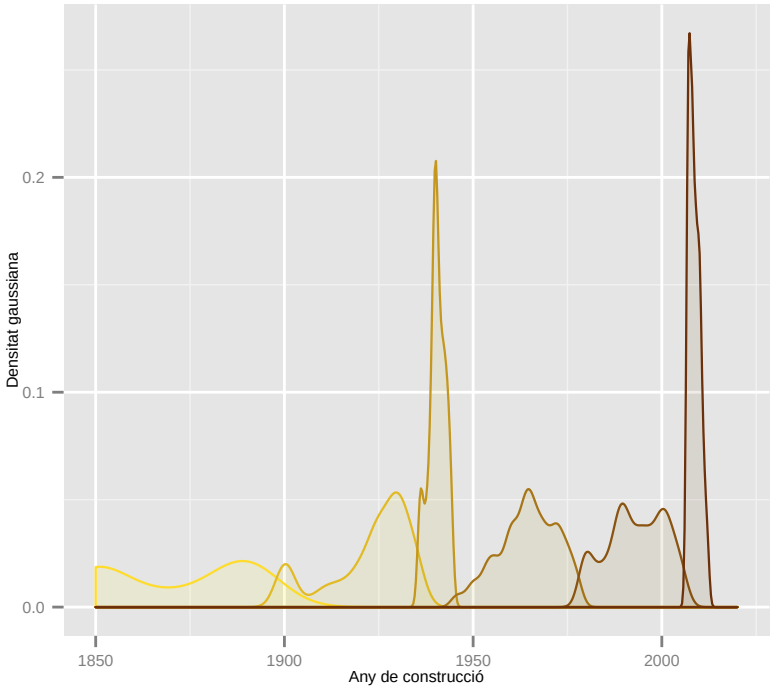
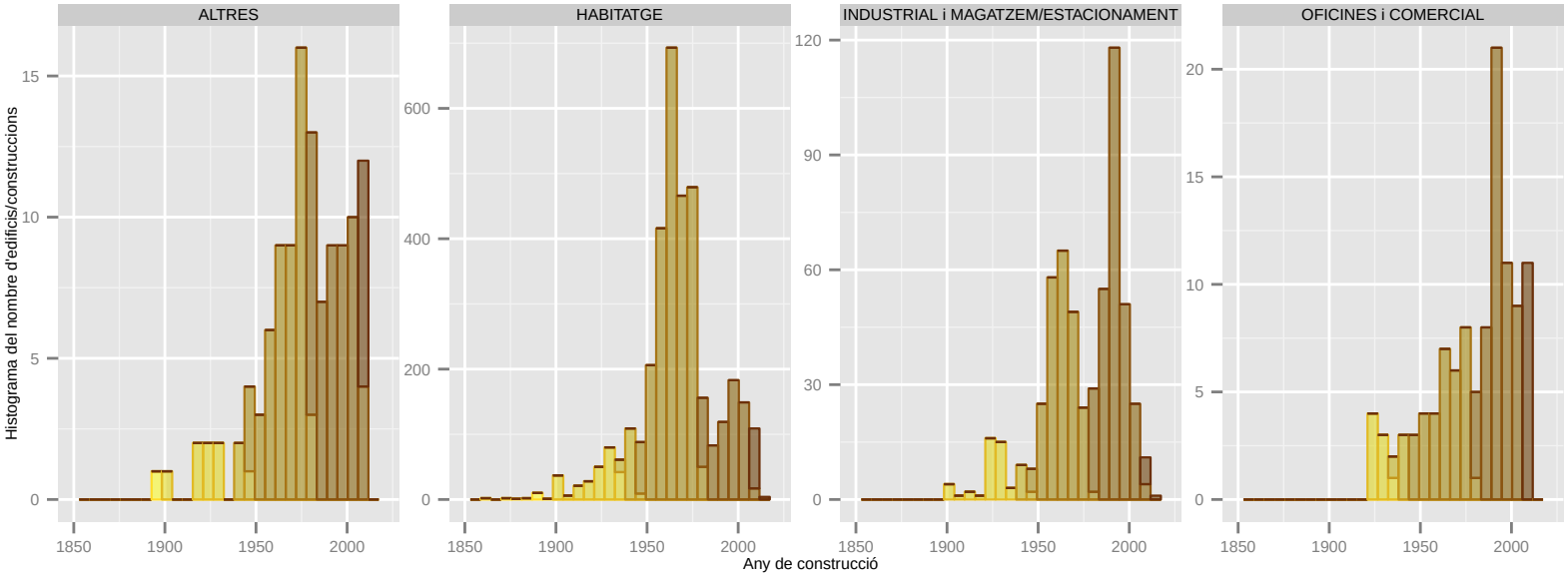
Any de construcció: CORNELLA DE LLOBREGAT





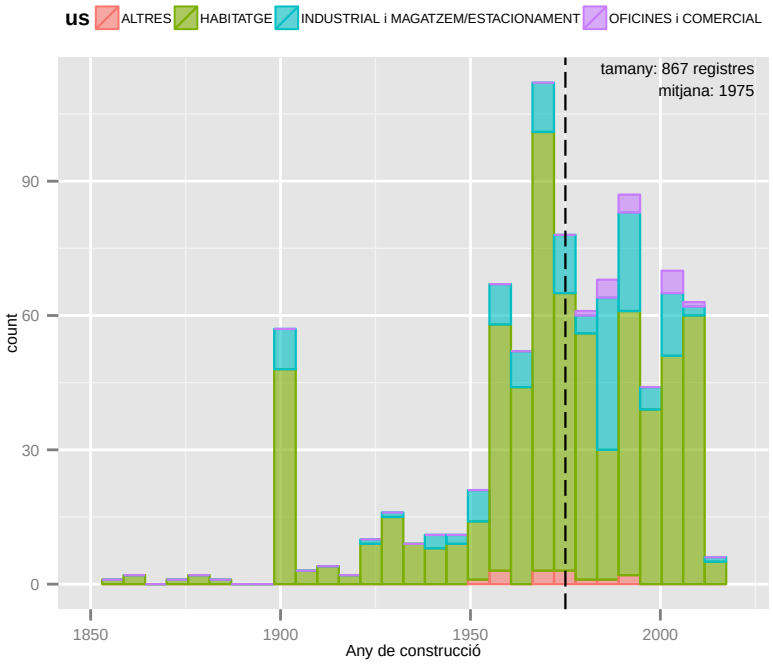


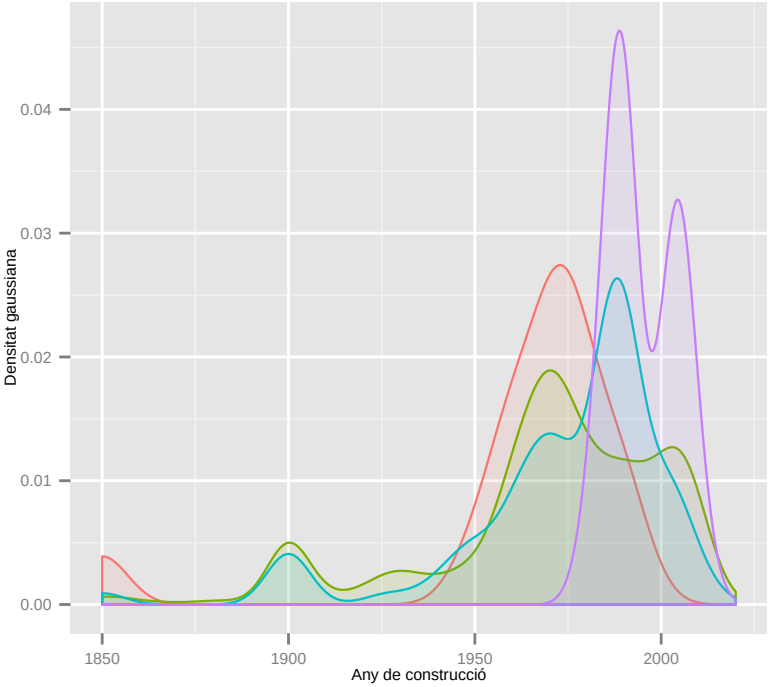


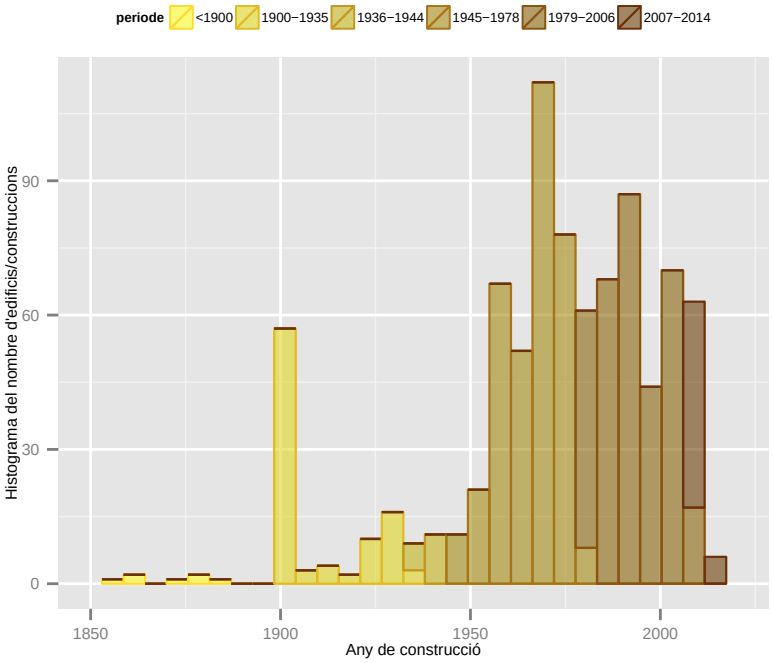


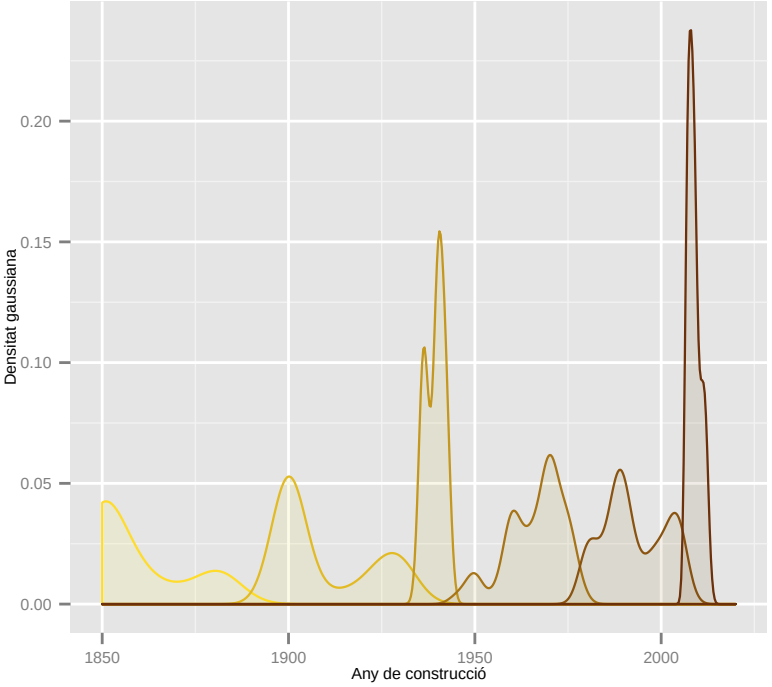
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

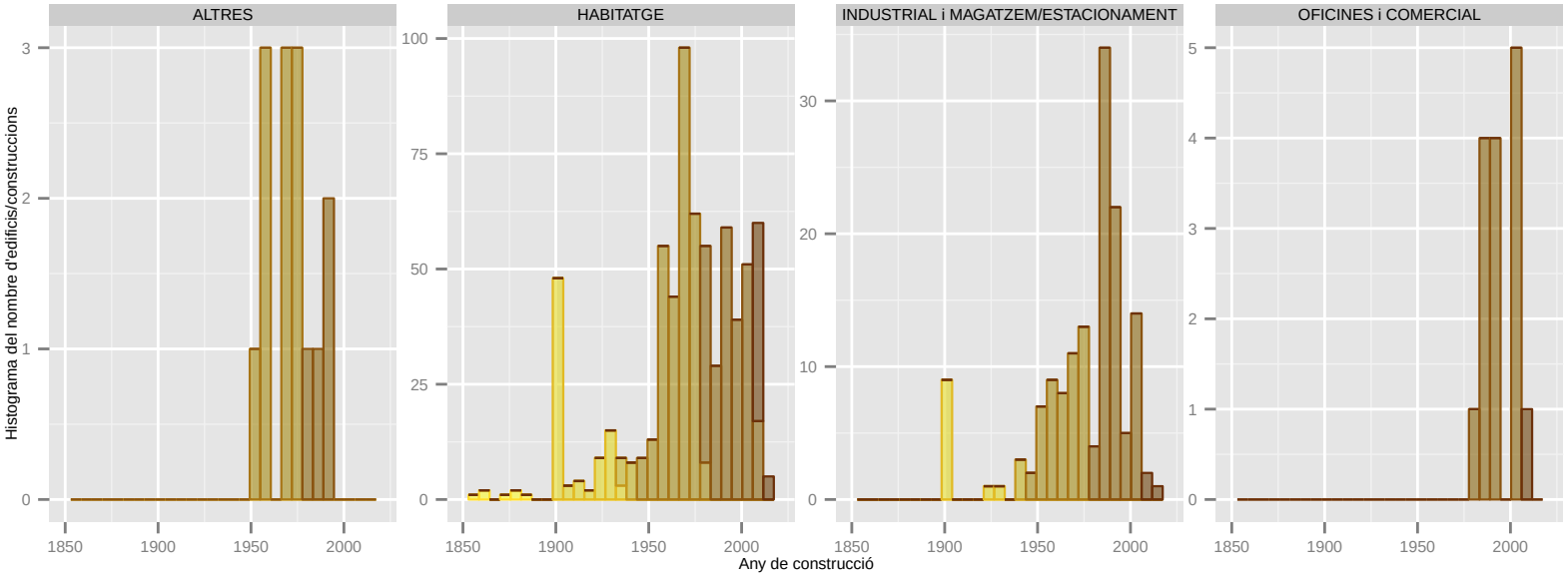
Any de construcció: EL PAPIOL











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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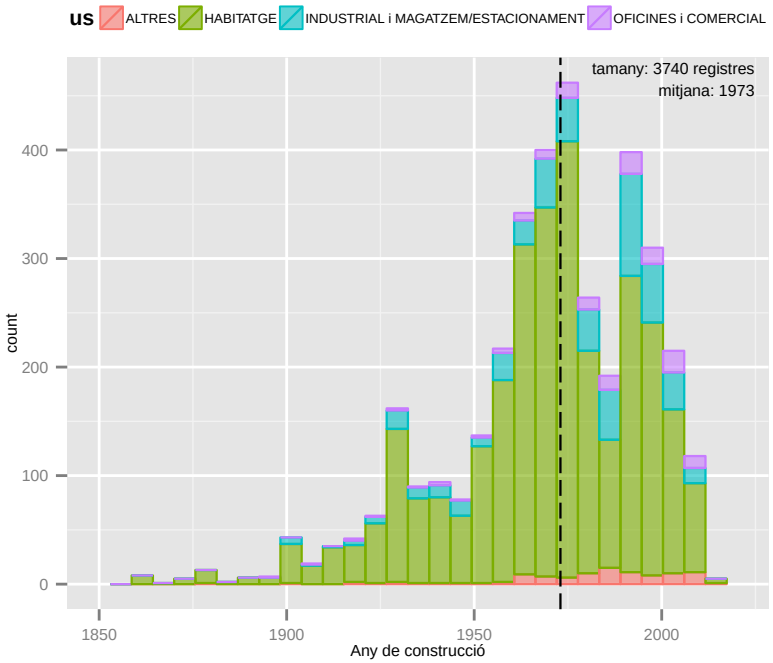
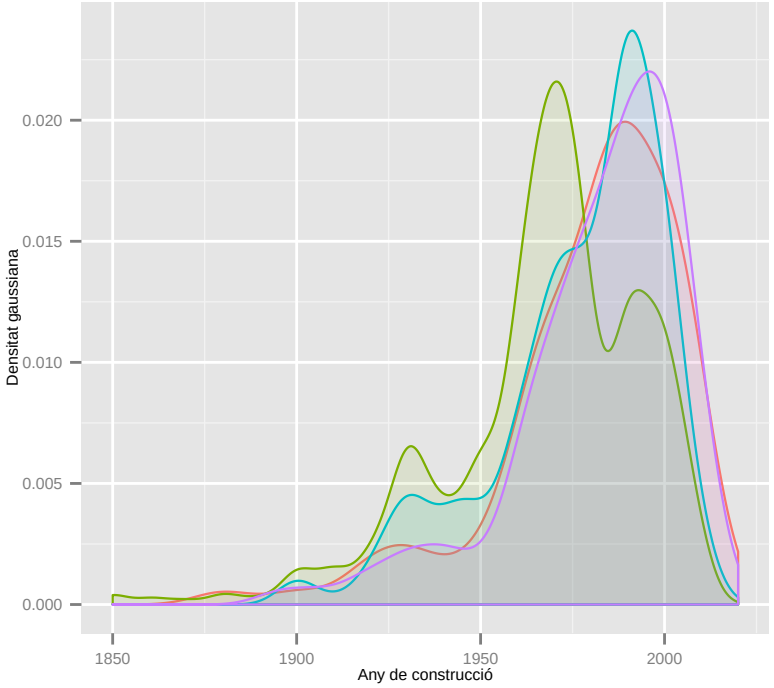
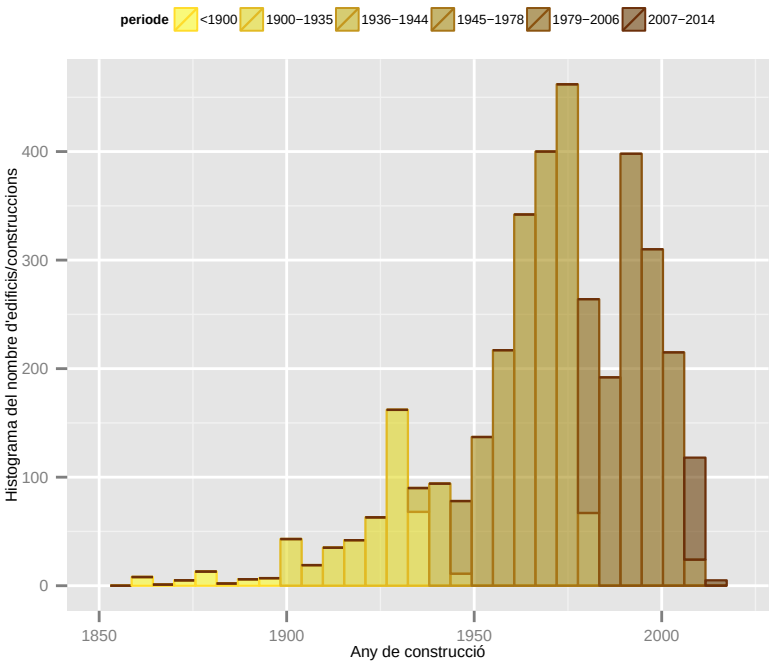
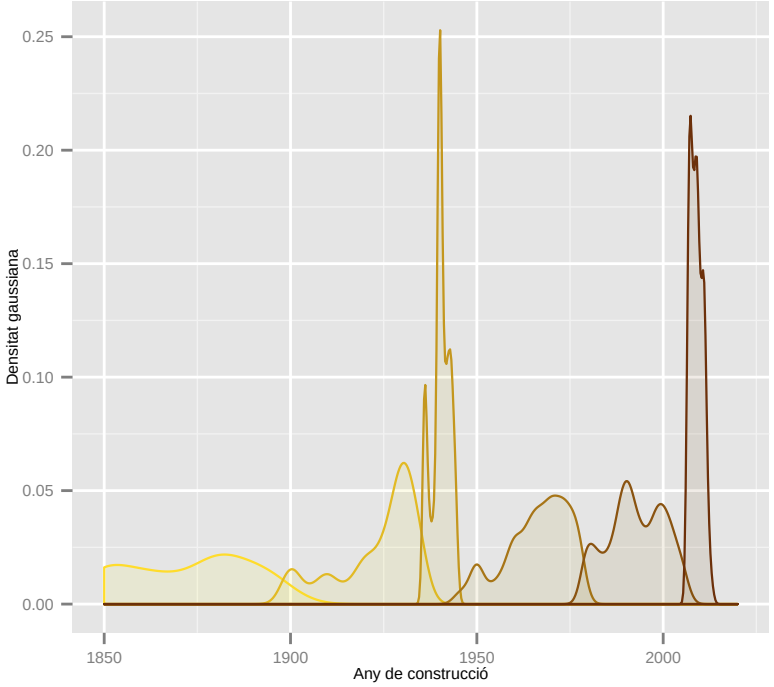
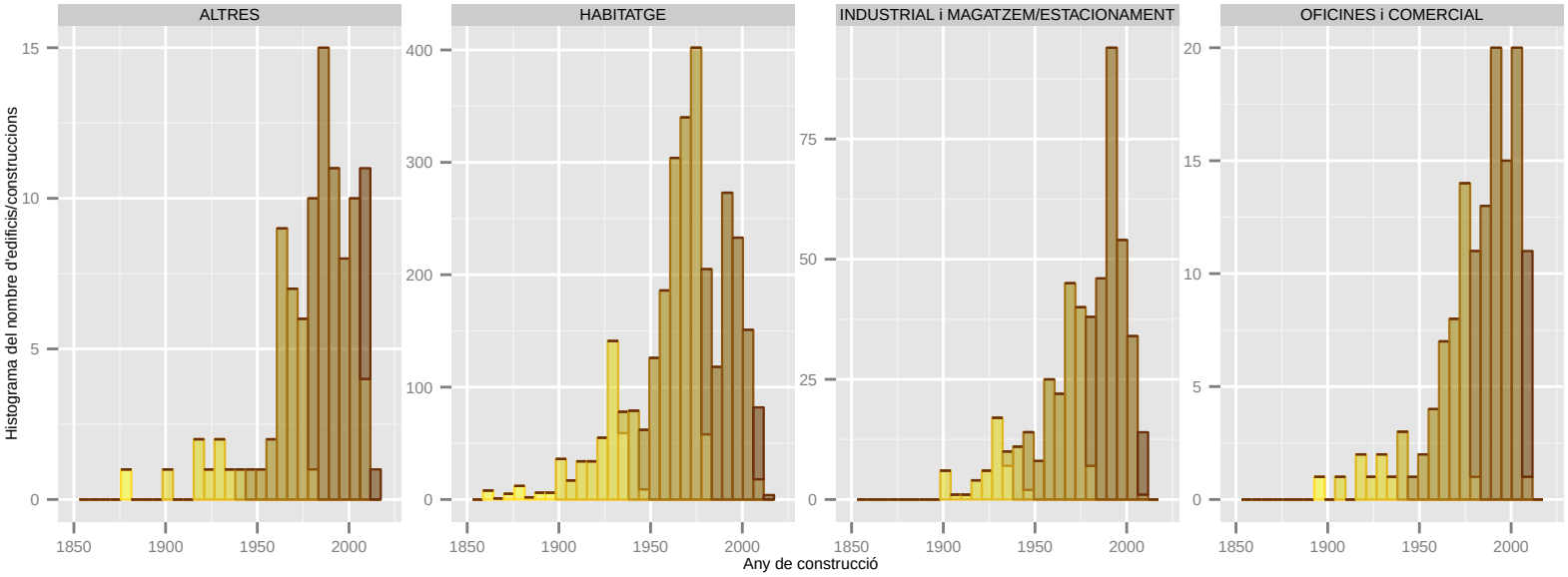
Any de construcció: EL PRAT DE LLOBREGAT





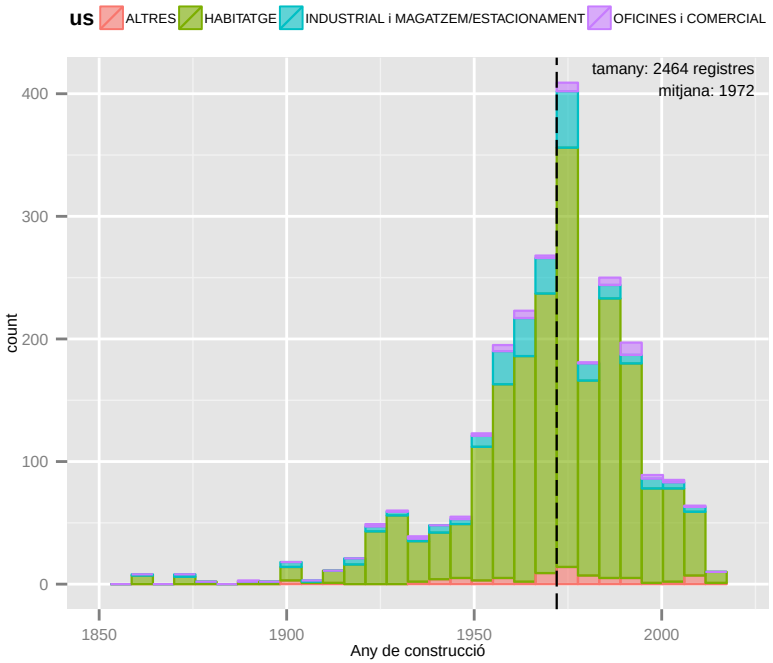


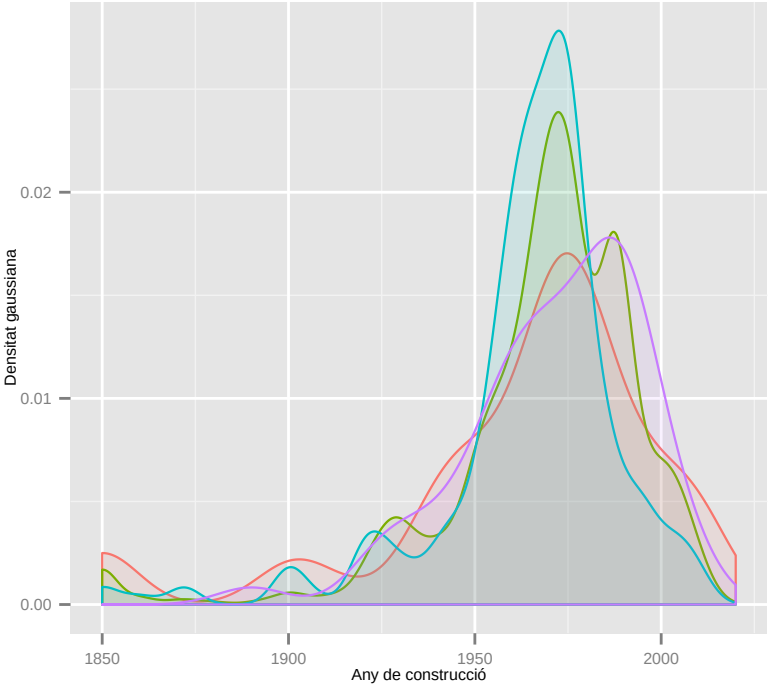


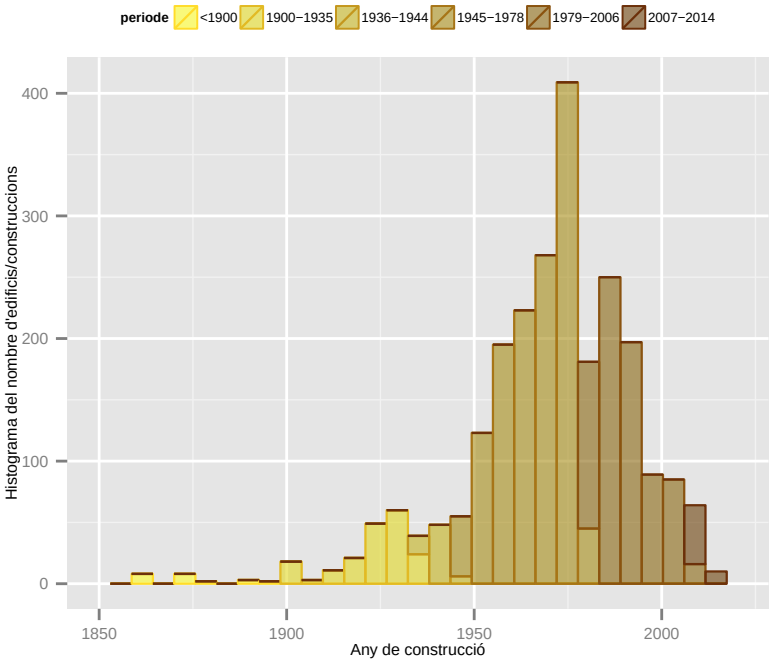


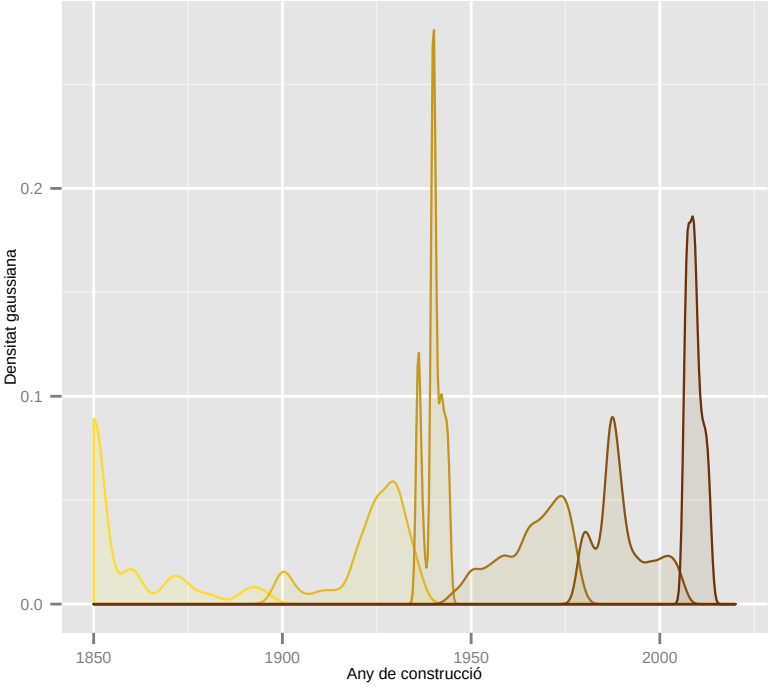
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

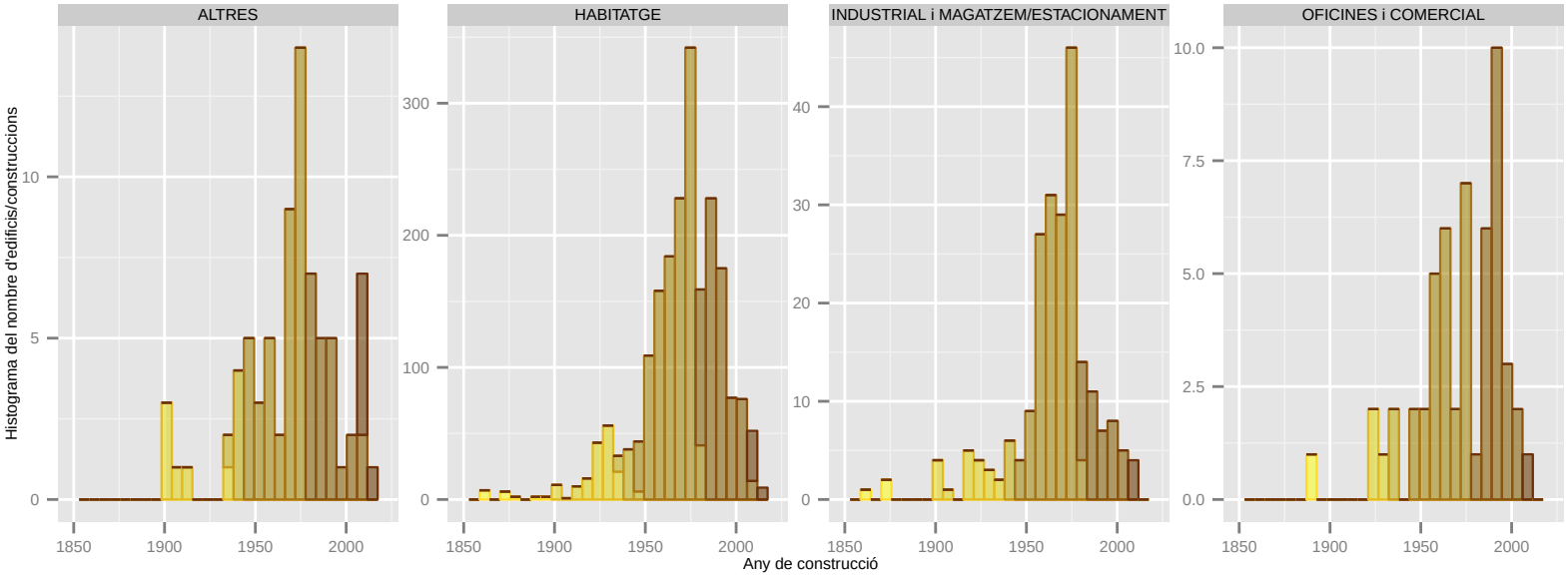
Any de construcció: ESPLUGUES DE LLOBREGAT





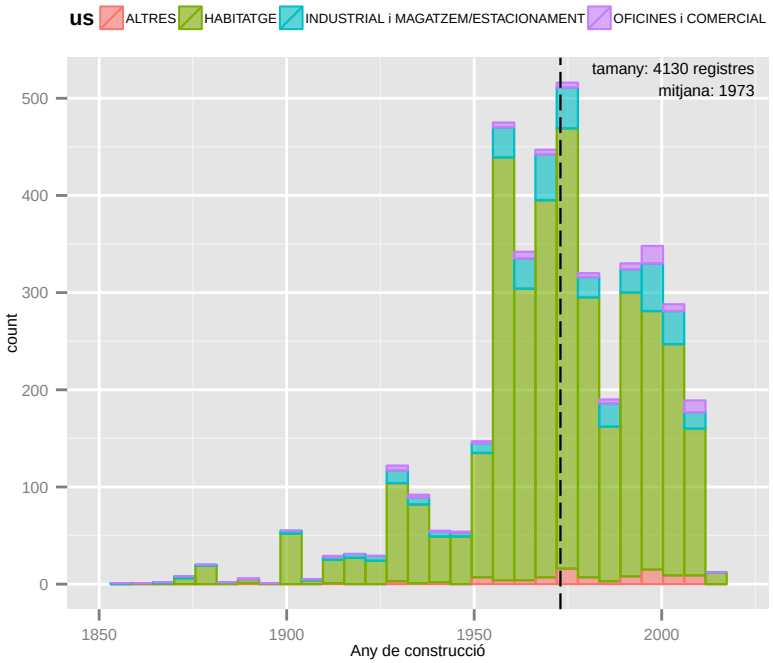


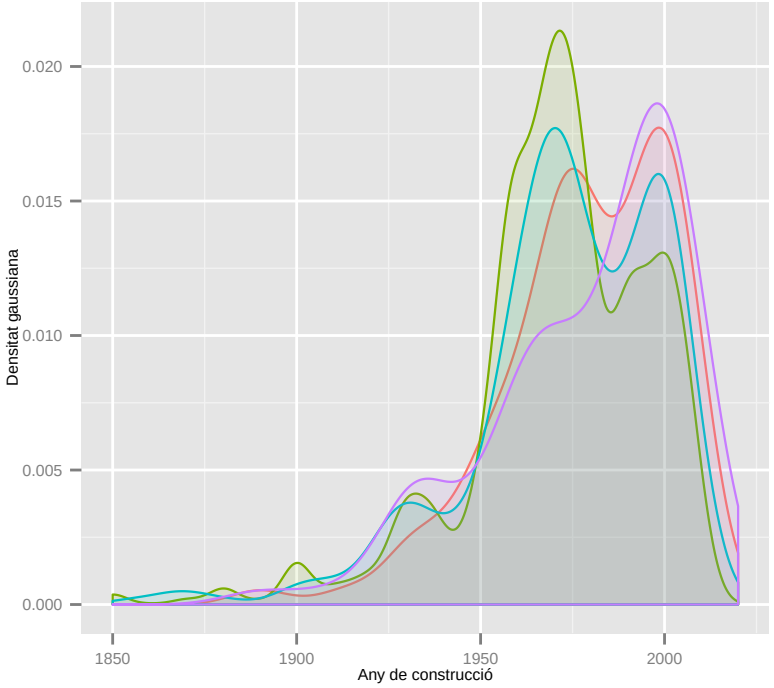


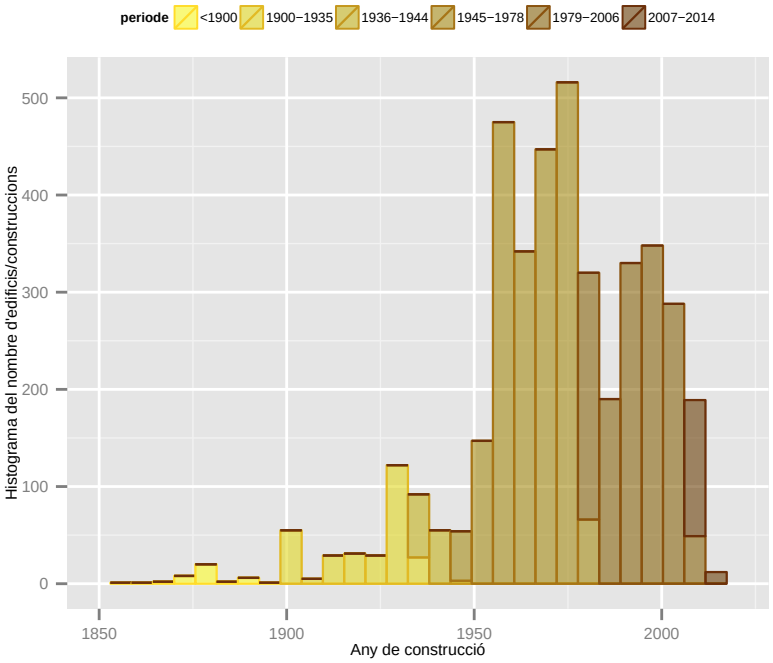


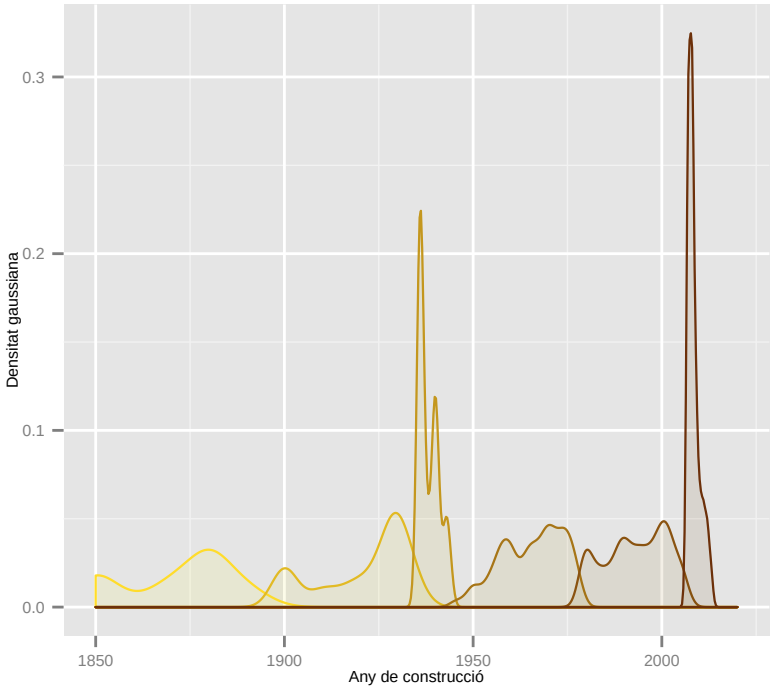
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

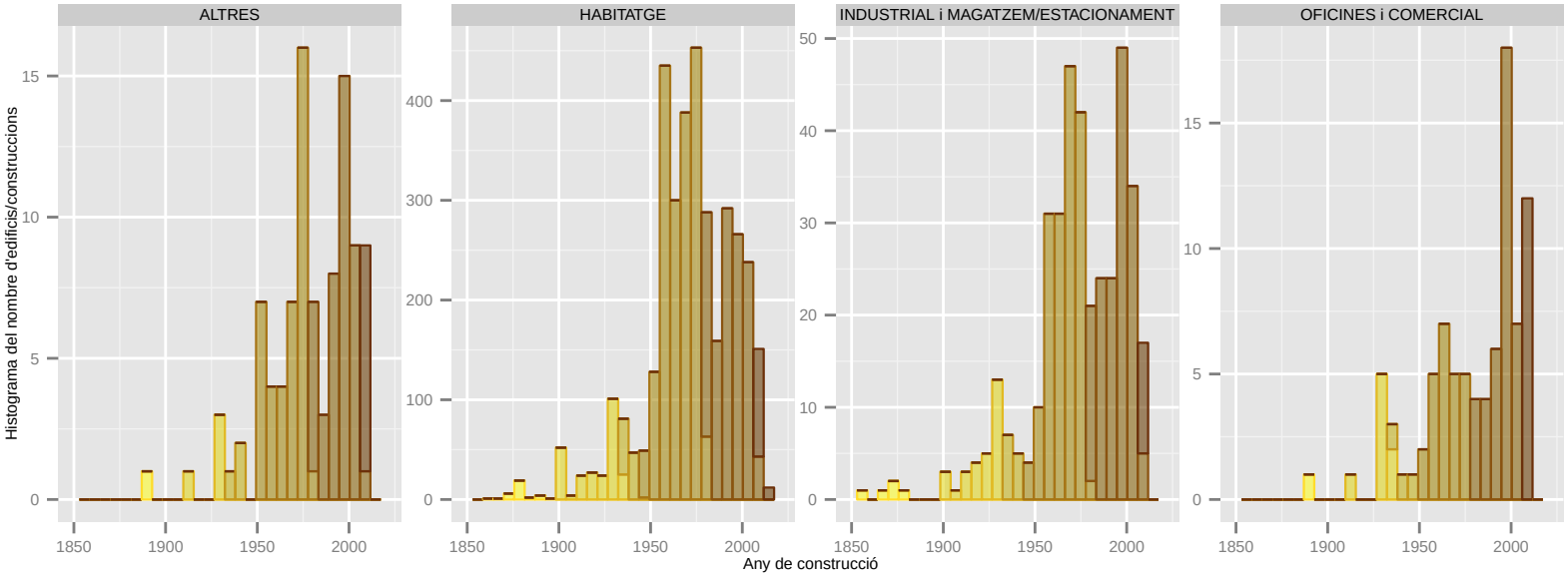
Any de construcció: GAVA





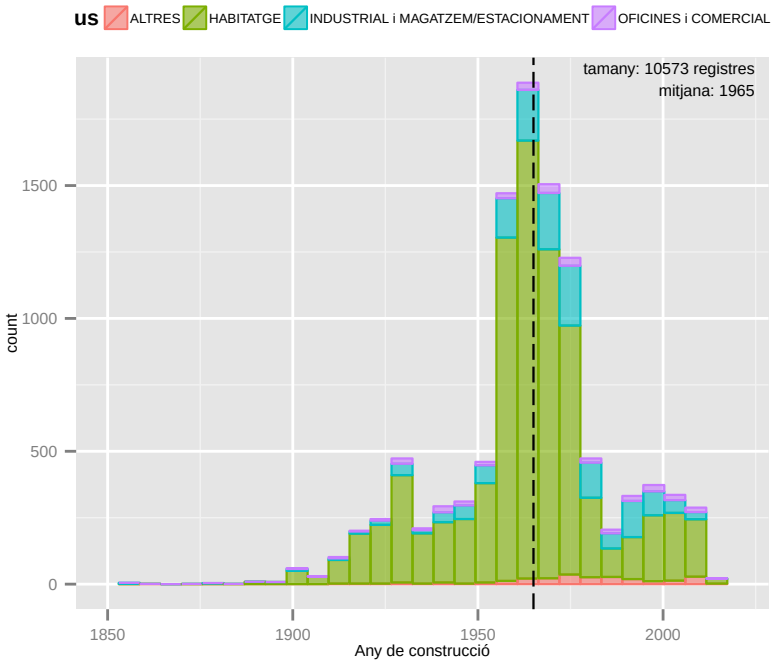


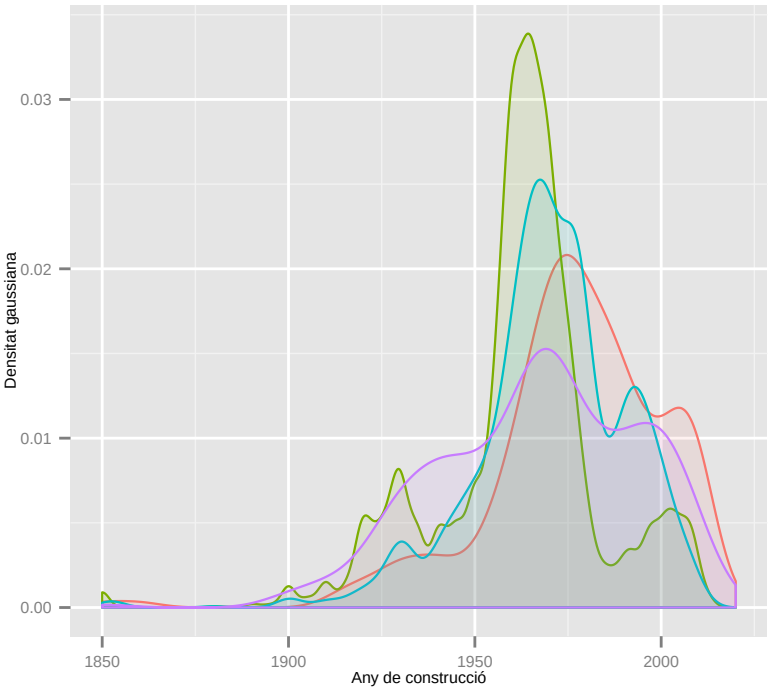


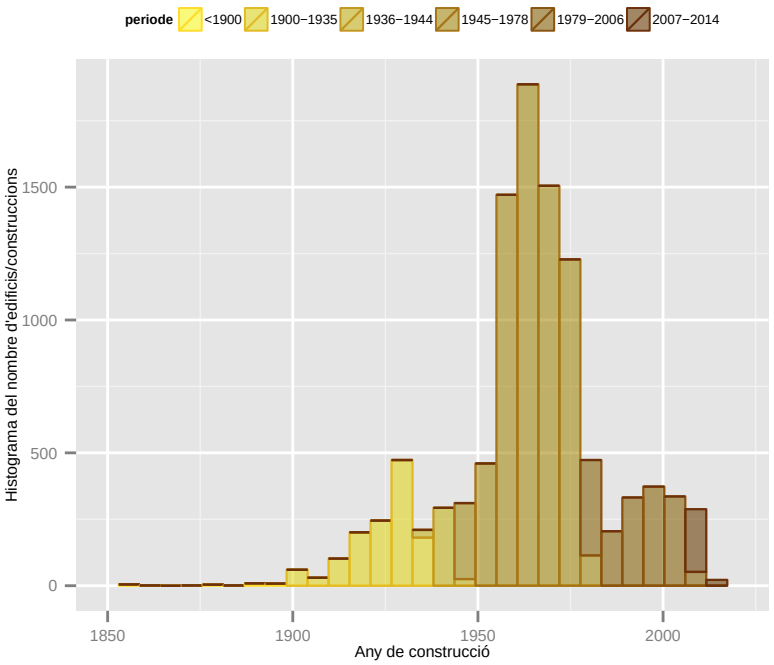


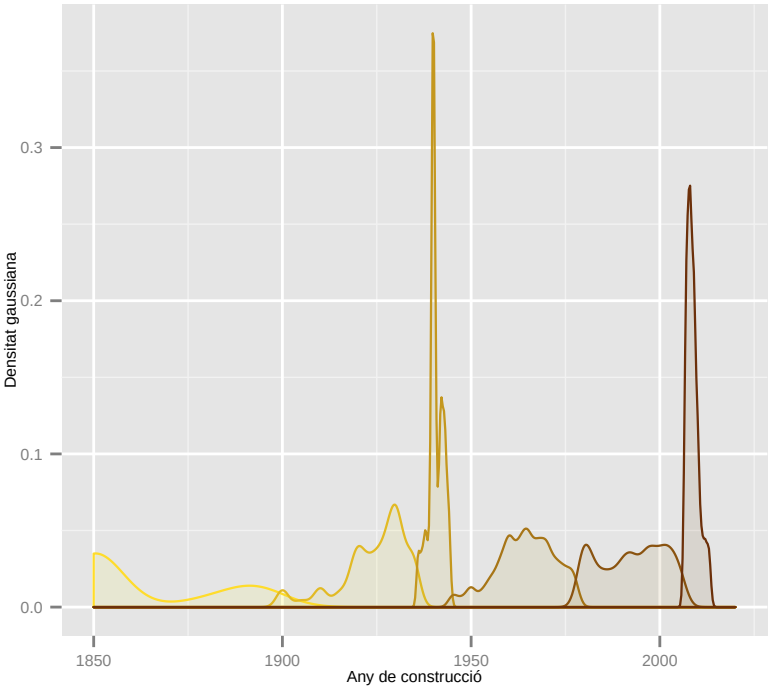
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

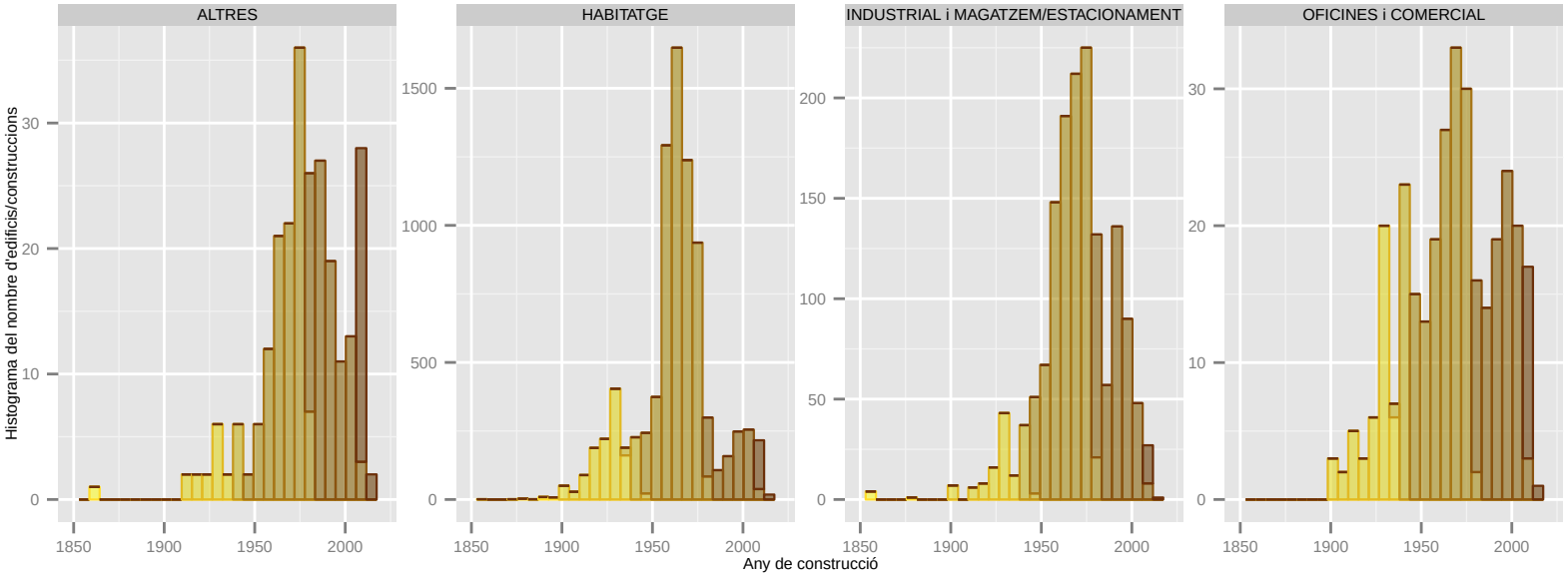
Any de construcció: L'HOSPITALET DE LLOBREGAT





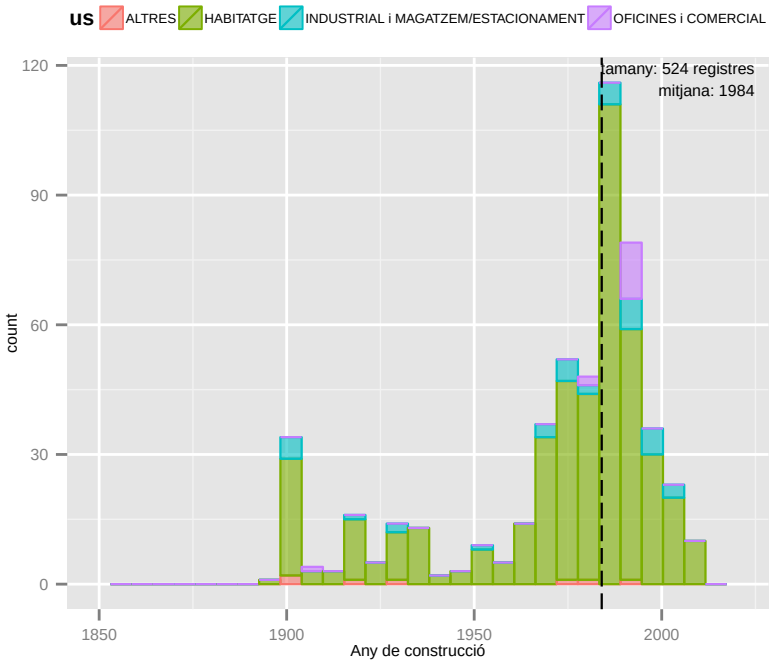


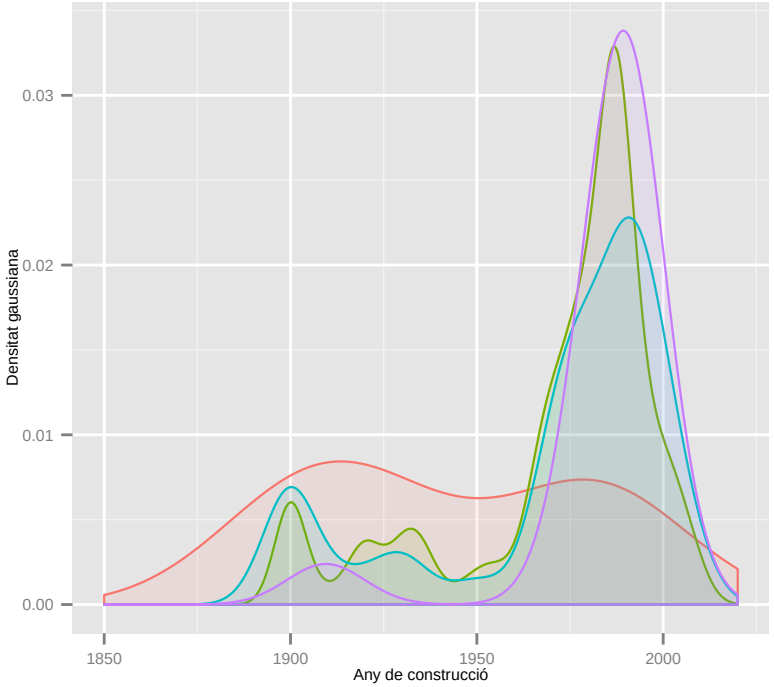


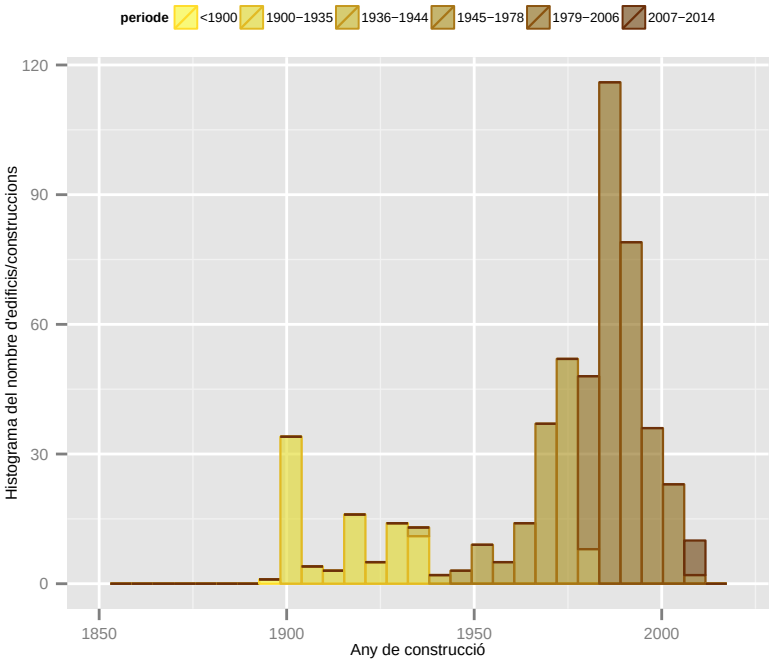


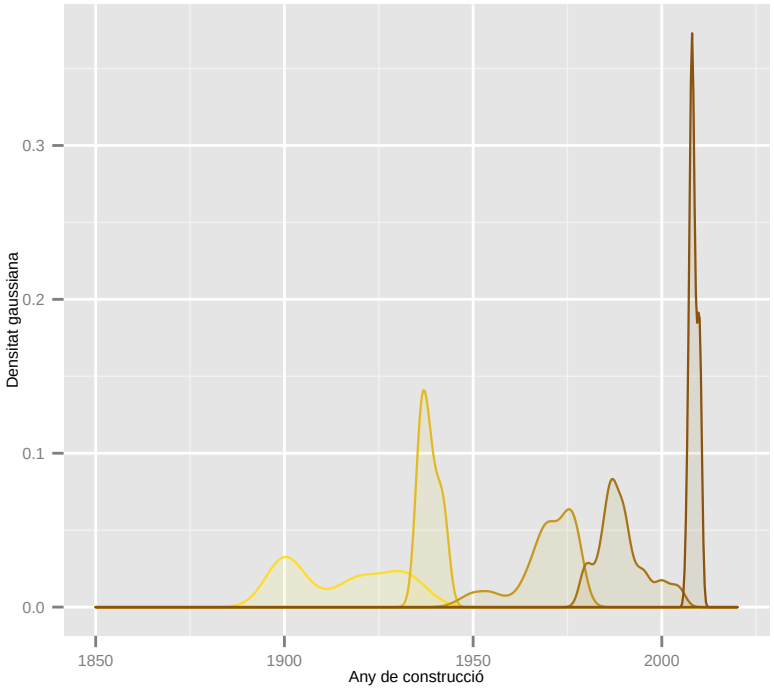
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

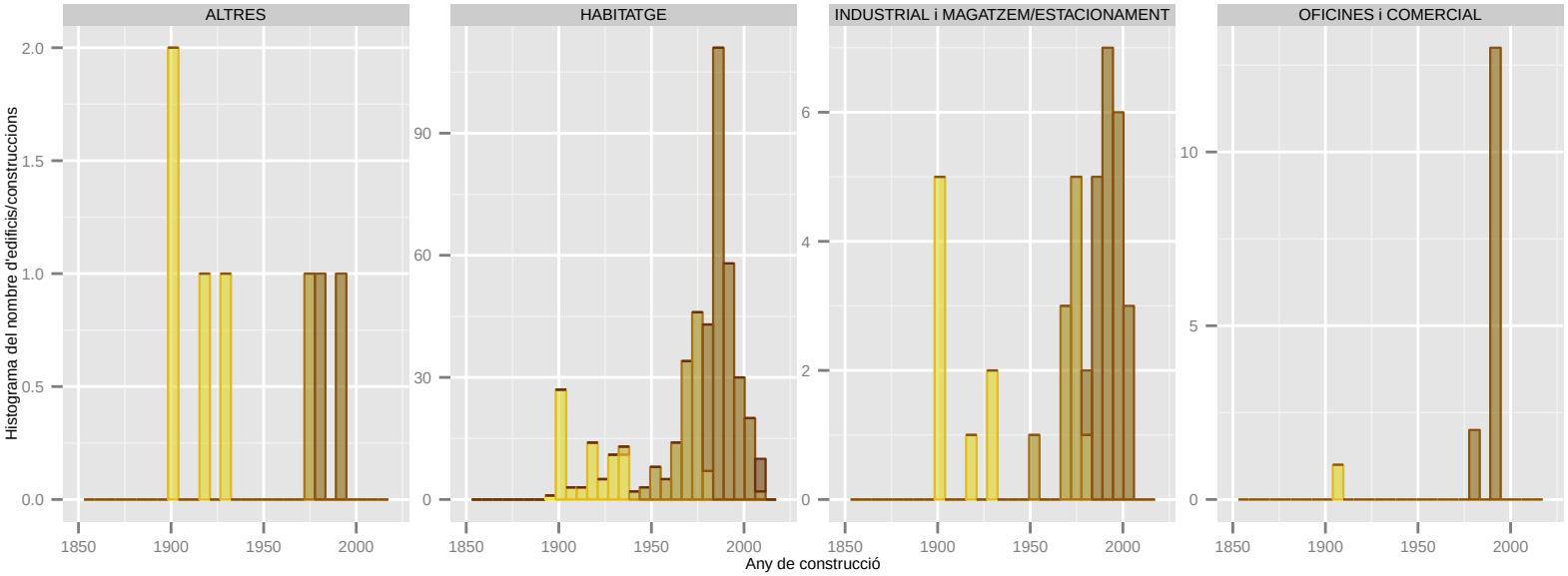
Any de construcció: LA PALMA DE CERVELLO





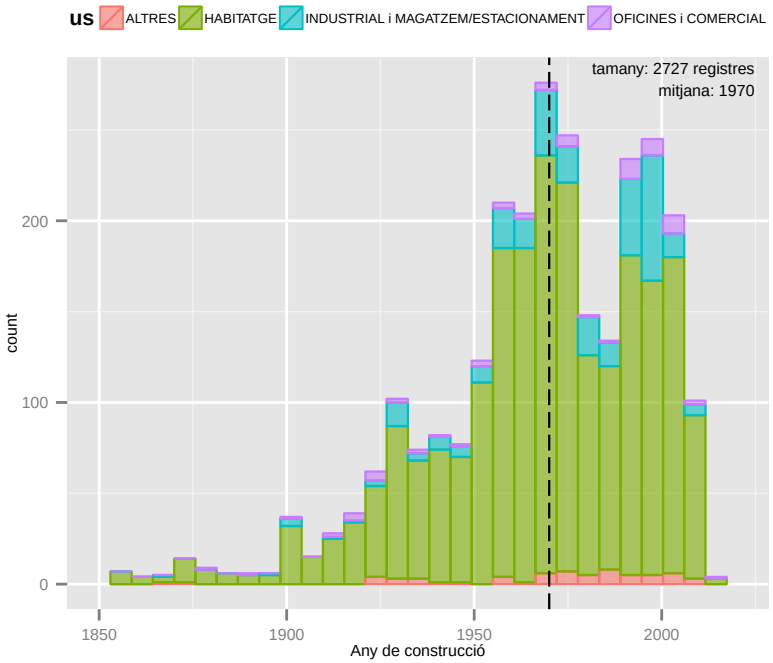


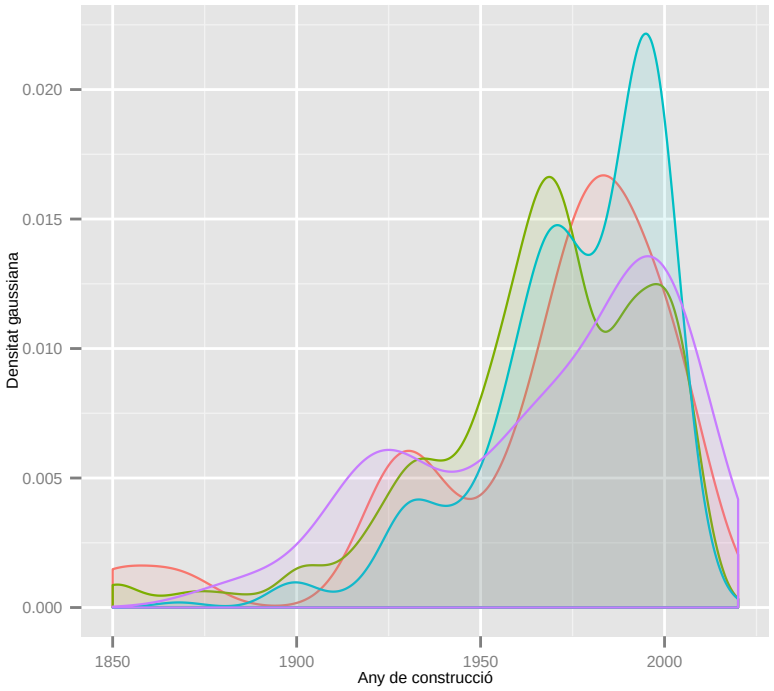


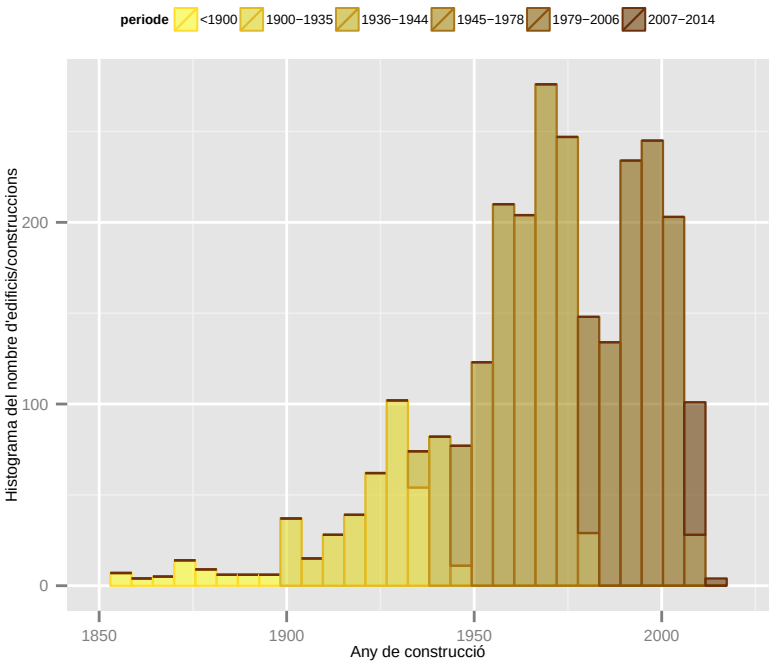


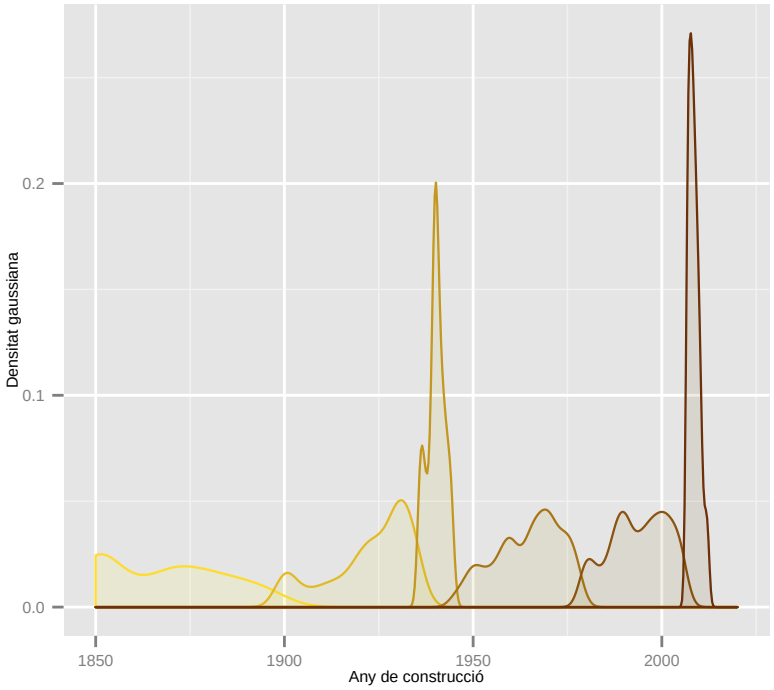
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

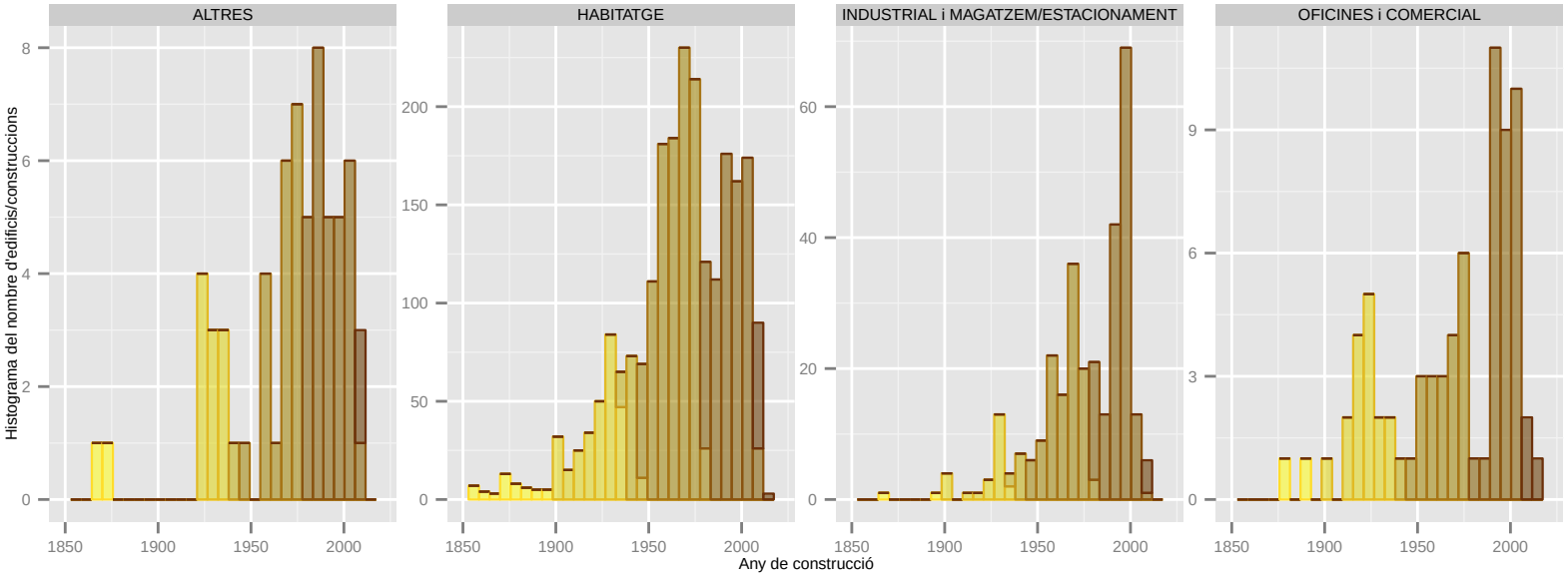
Any de construcció: MOLINS DE REI





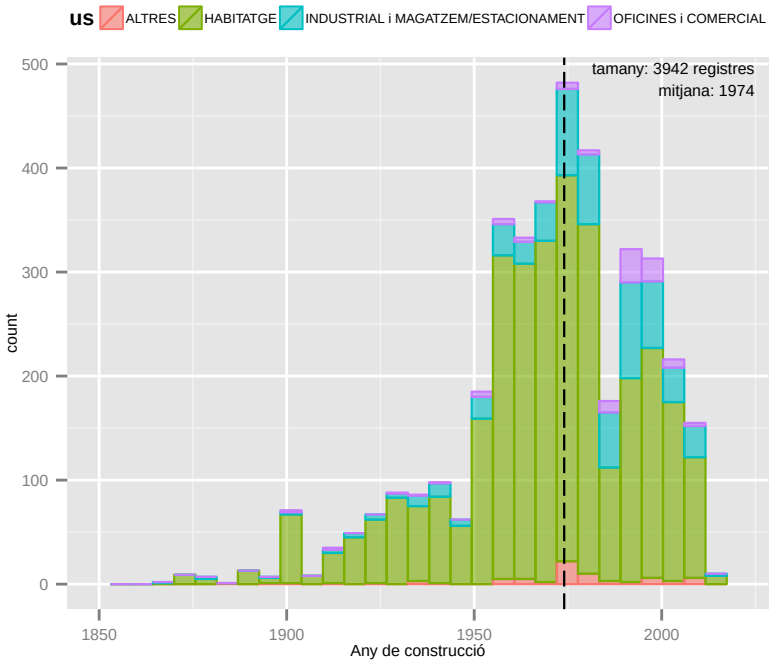


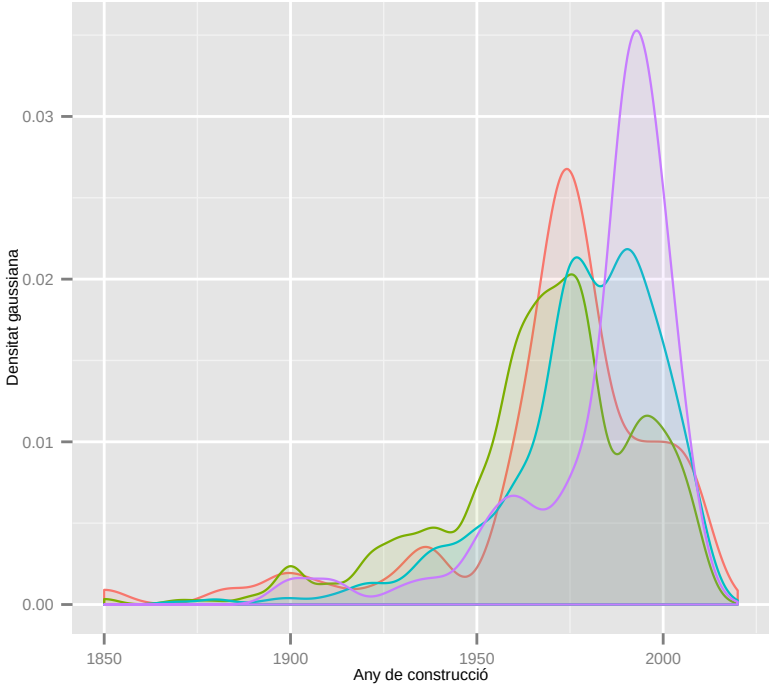


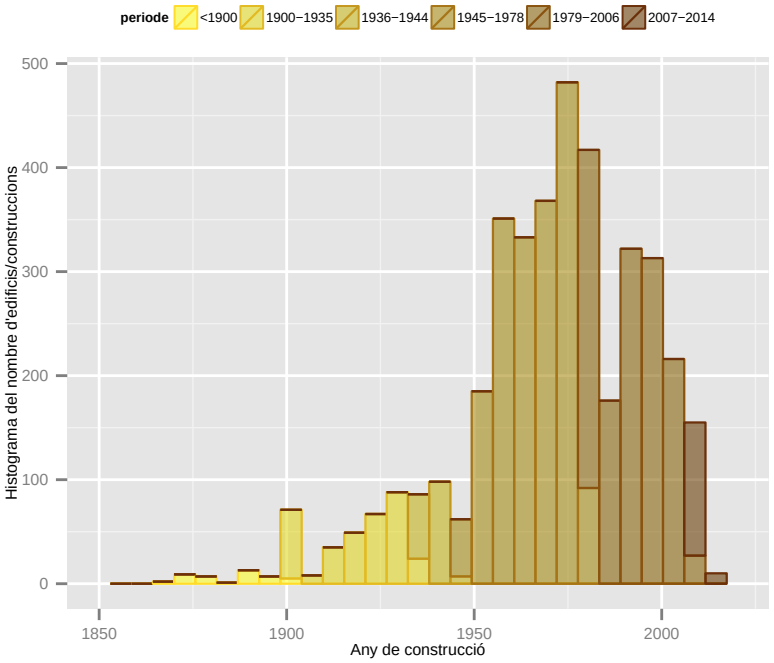


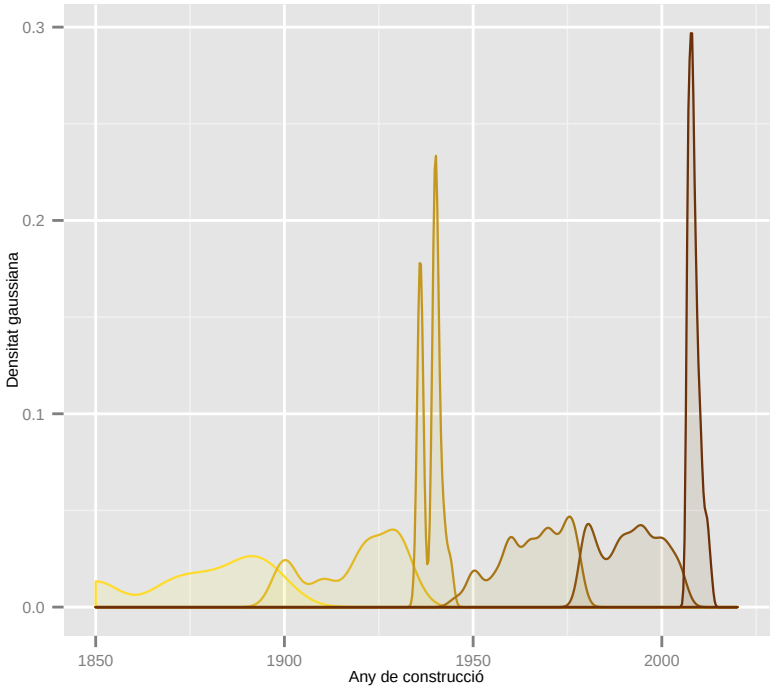
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

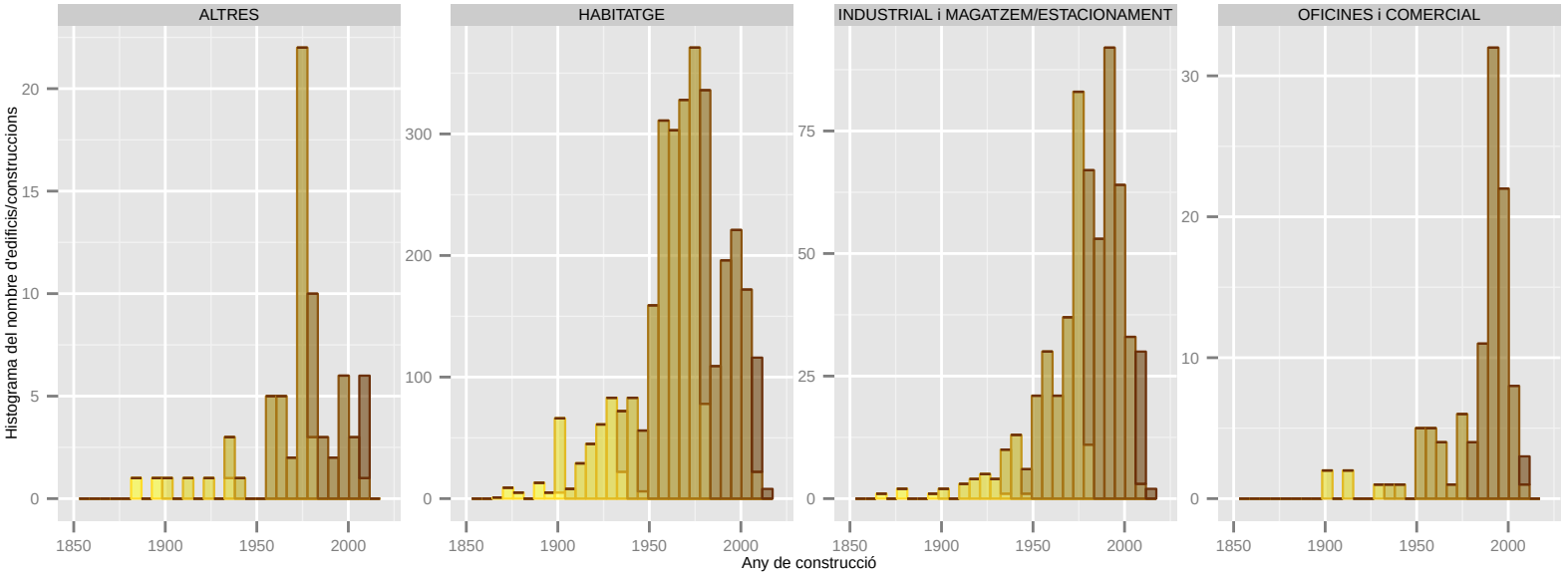
Any de construcció: MONTCADA I REIXAC





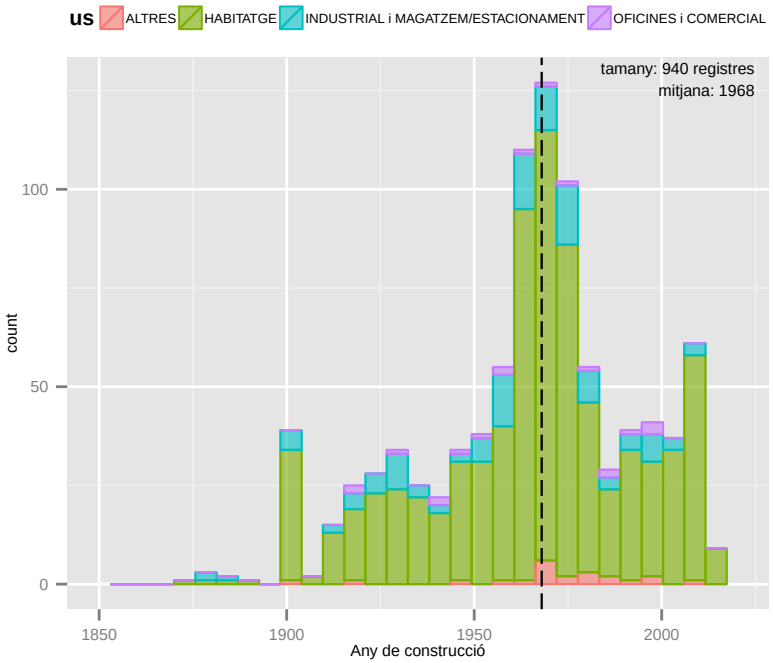


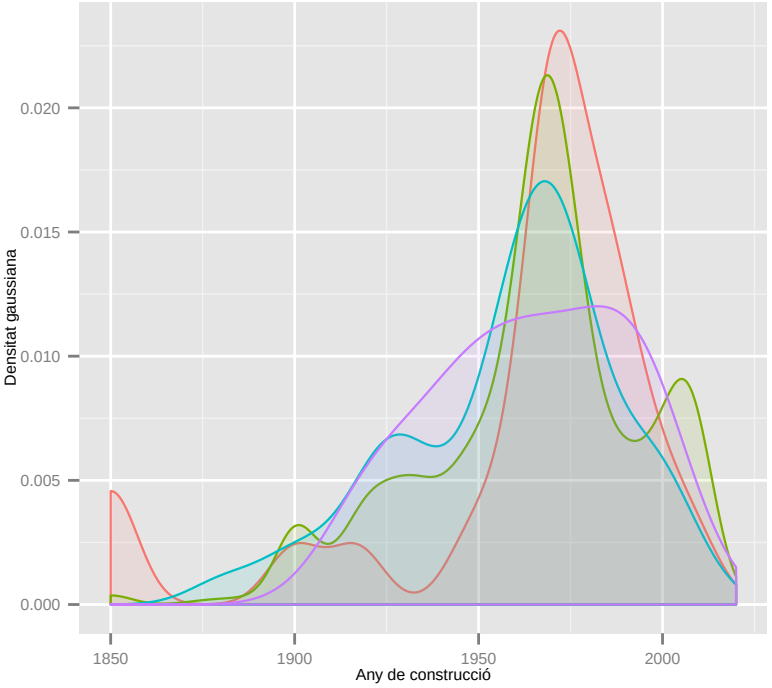


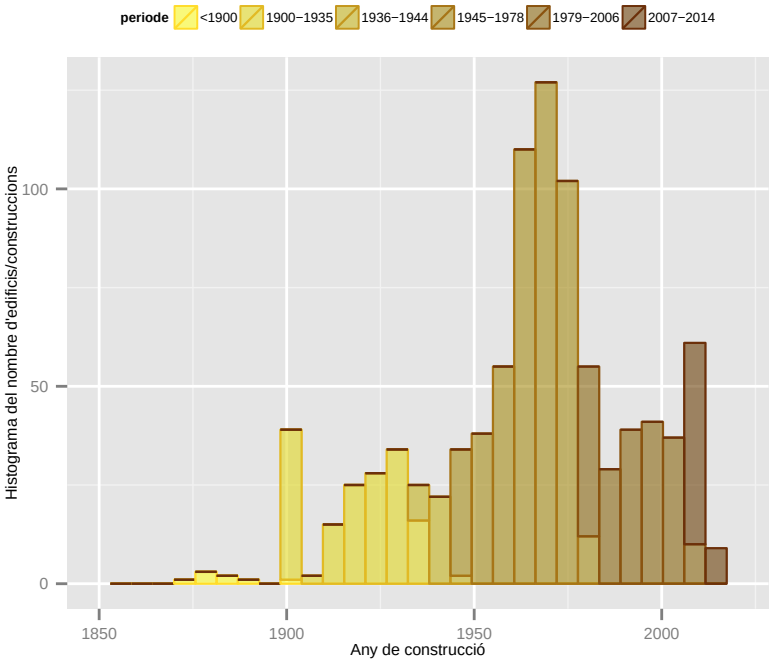


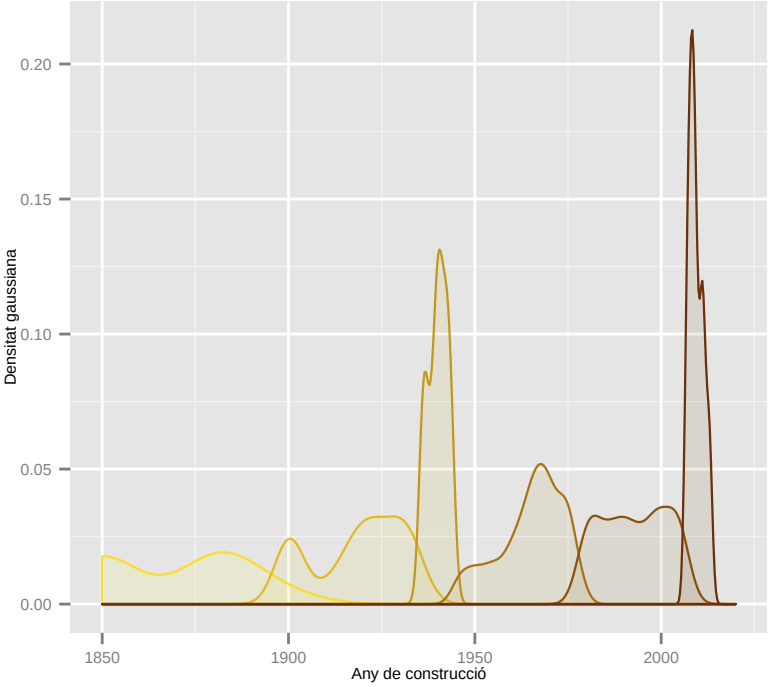
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

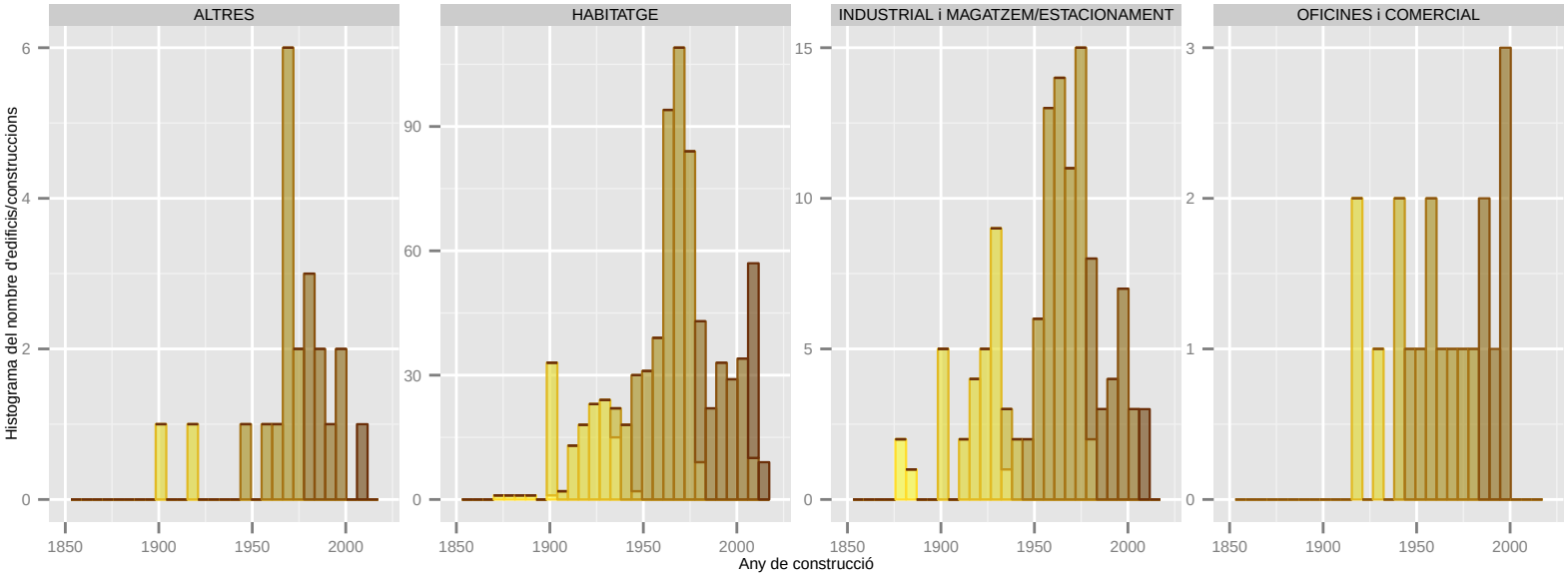
Any de construcció: MONTGAT





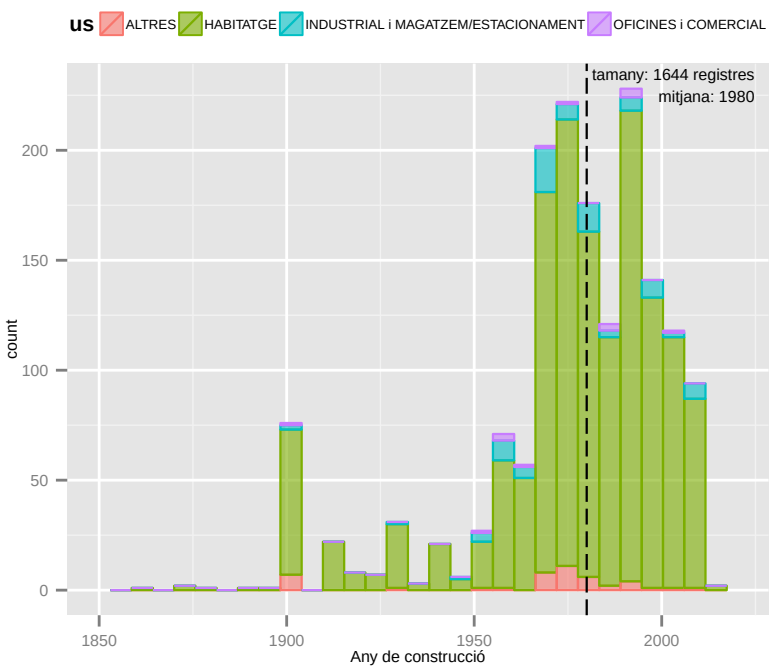


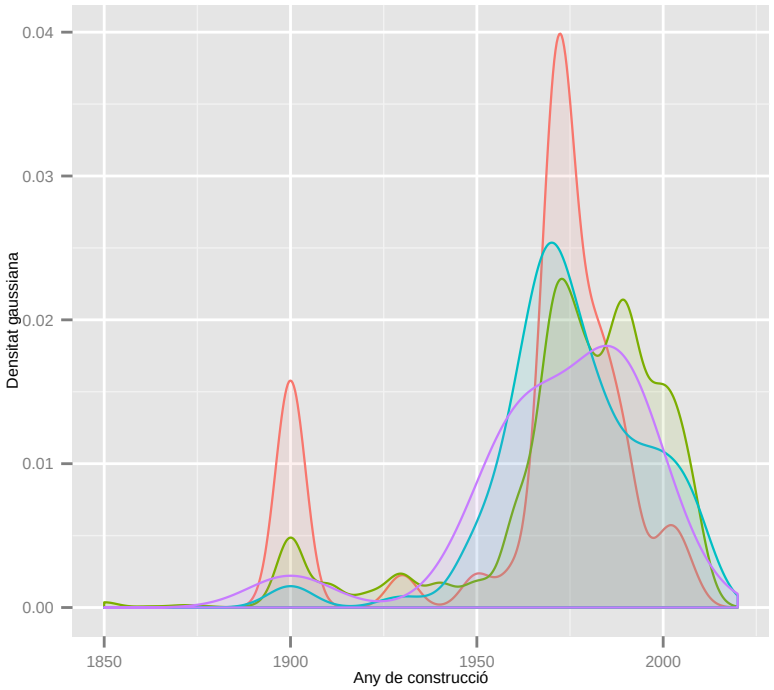


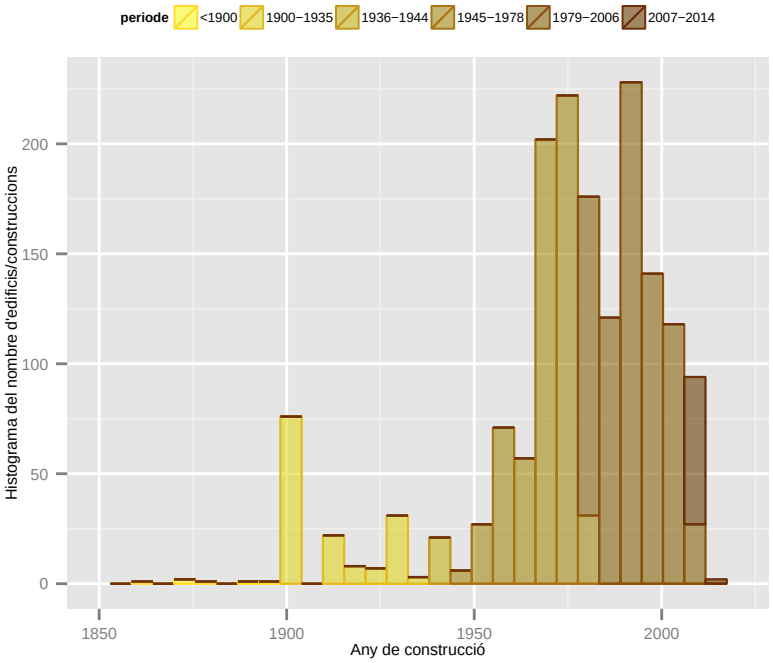


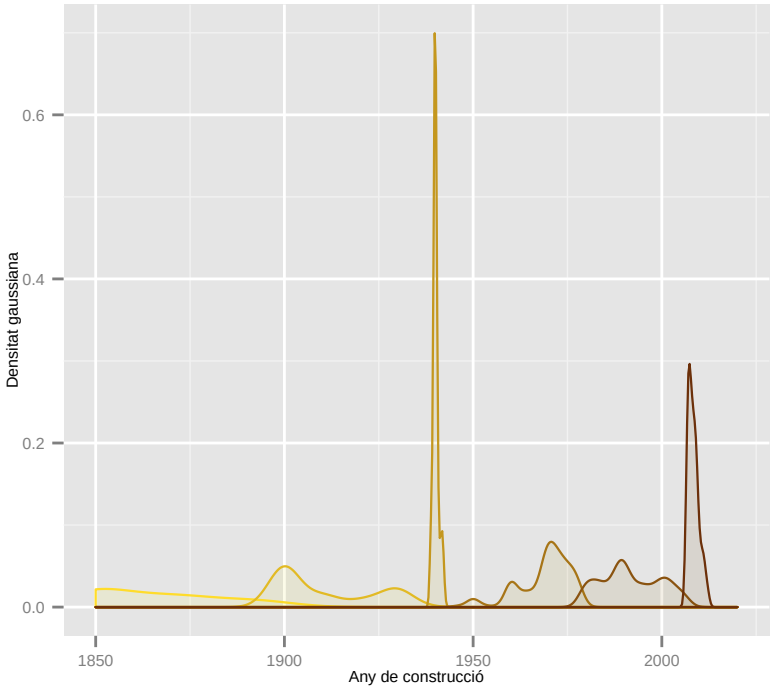
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

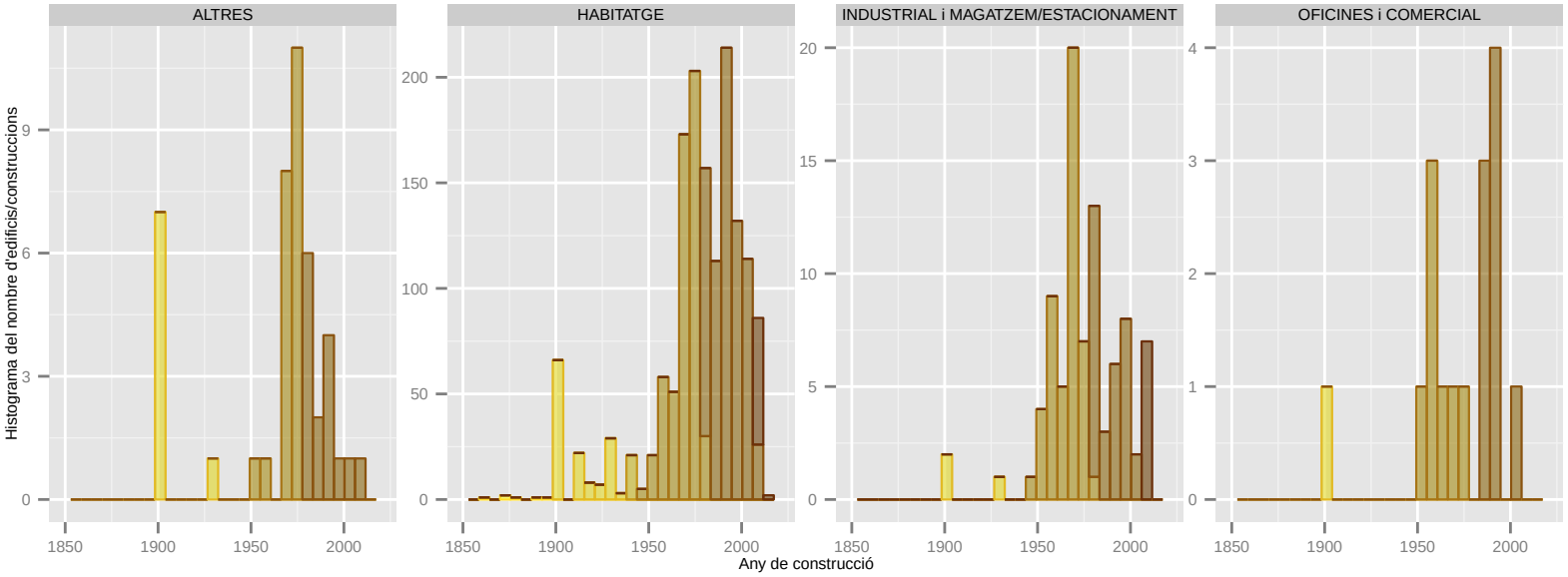
Any de construcció: PALLEJA











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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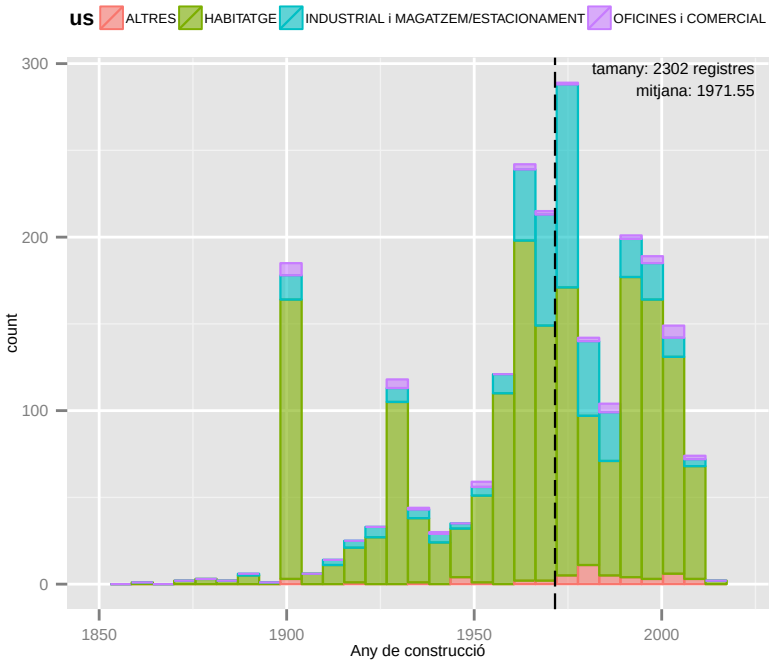
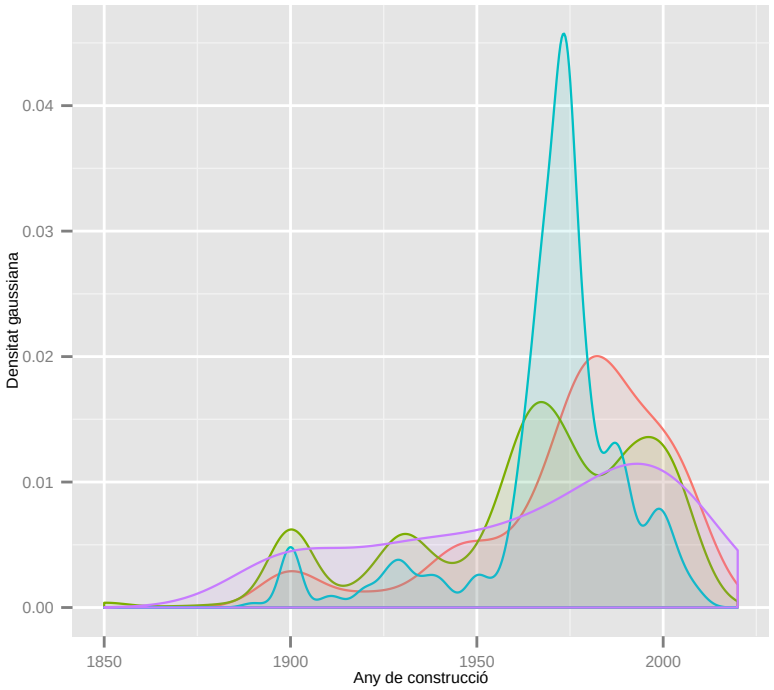
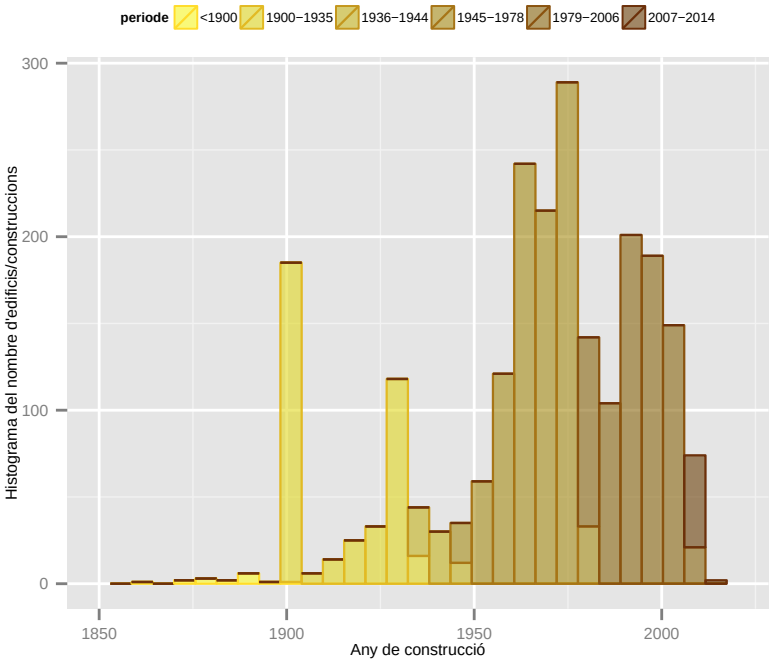
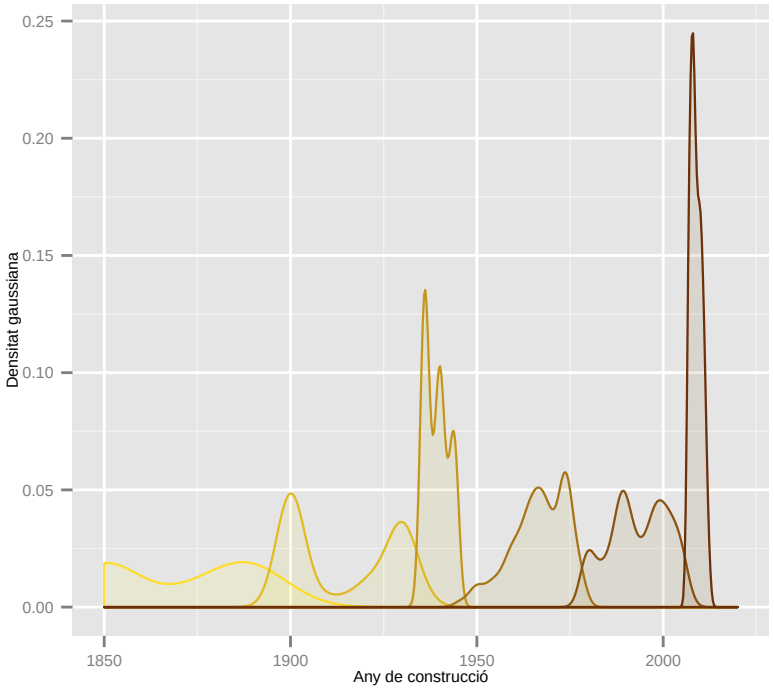
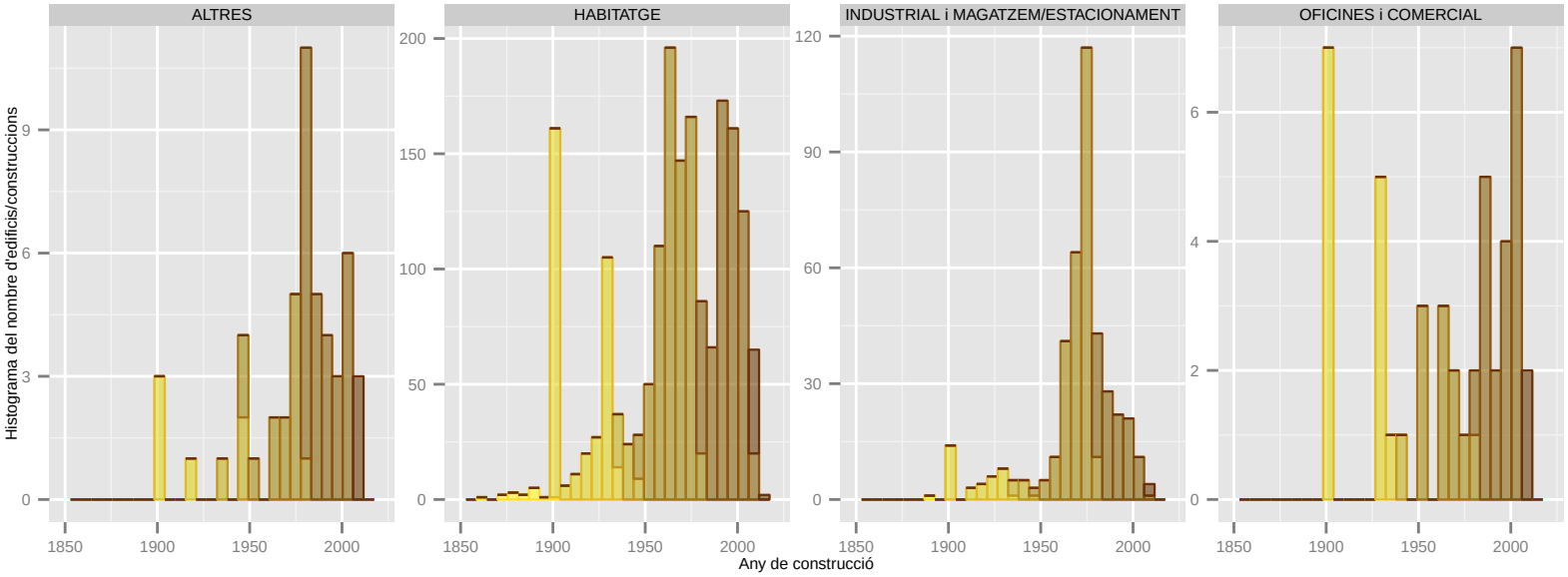
Any de construcció: RIPOLLET





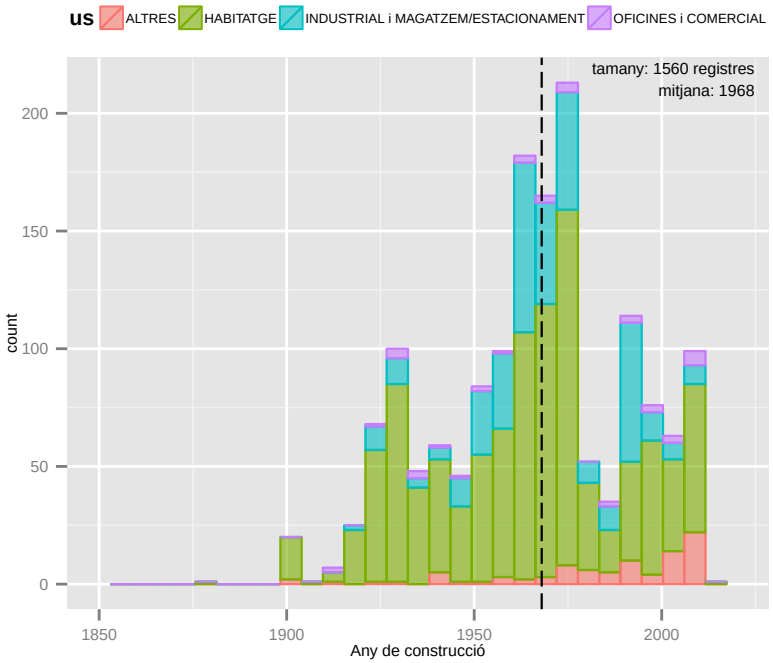


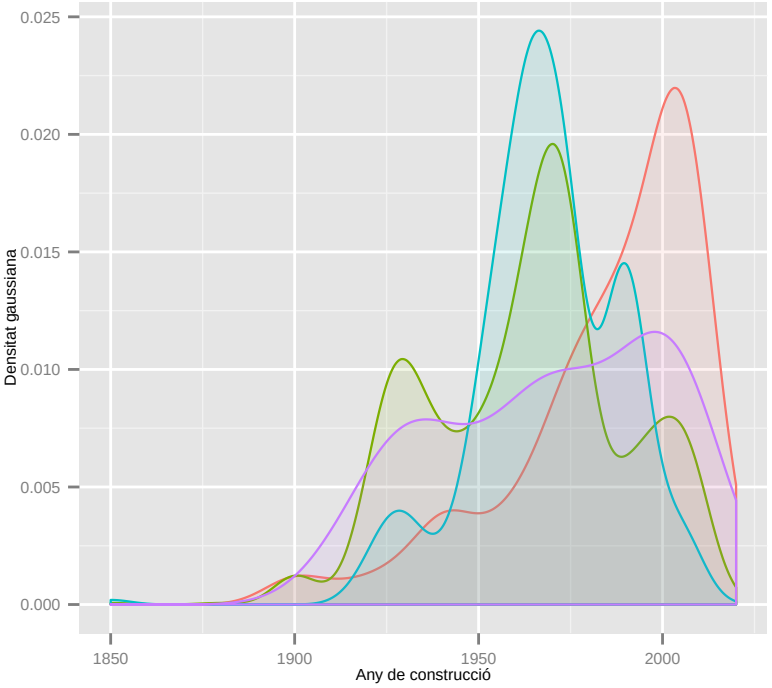


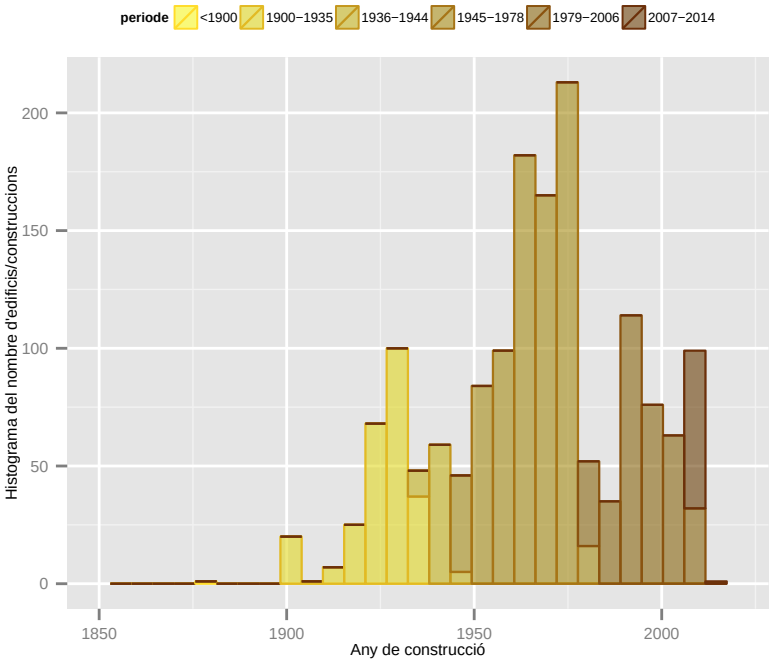


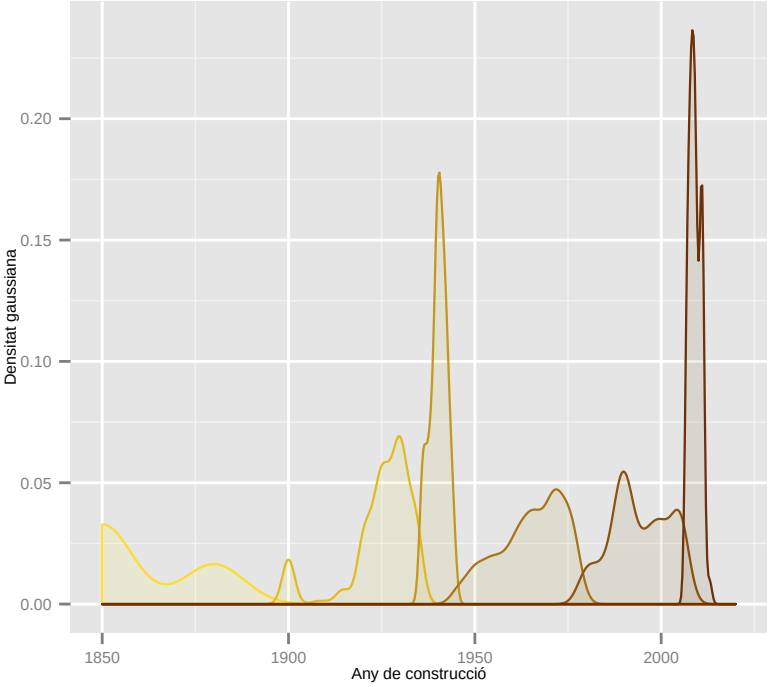
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

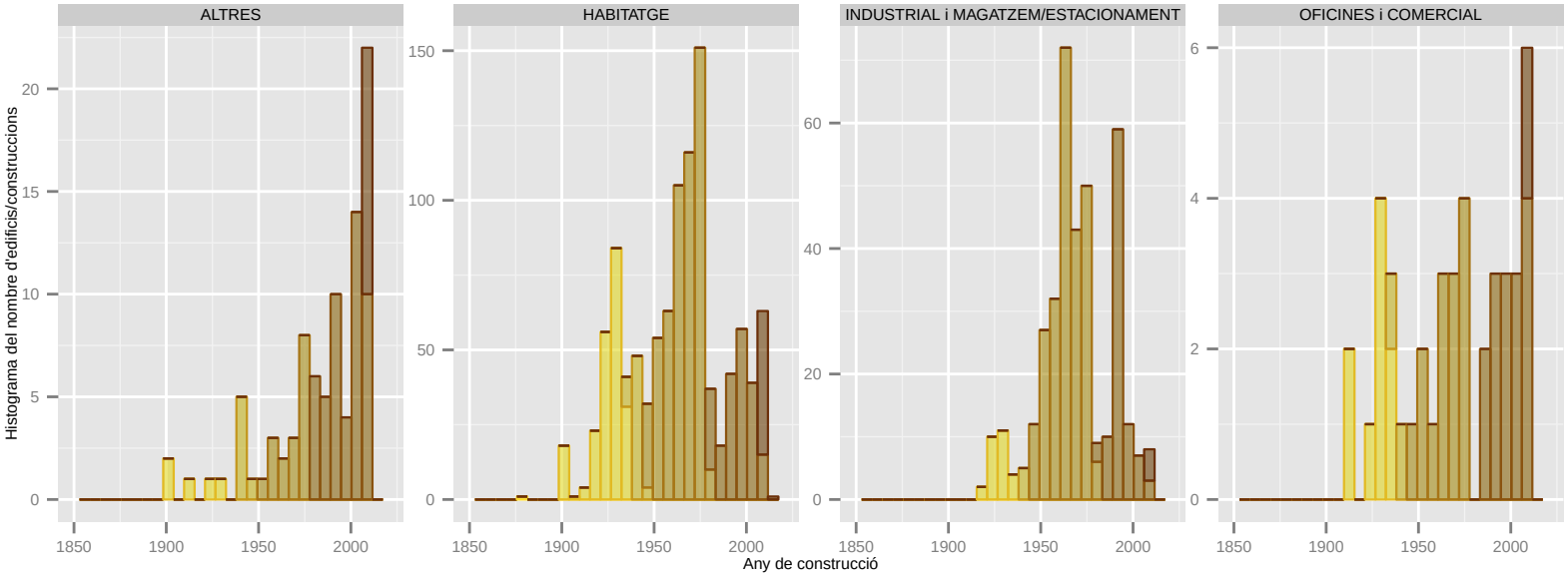
Any de construcció: SANT ADRIA DE BESOS





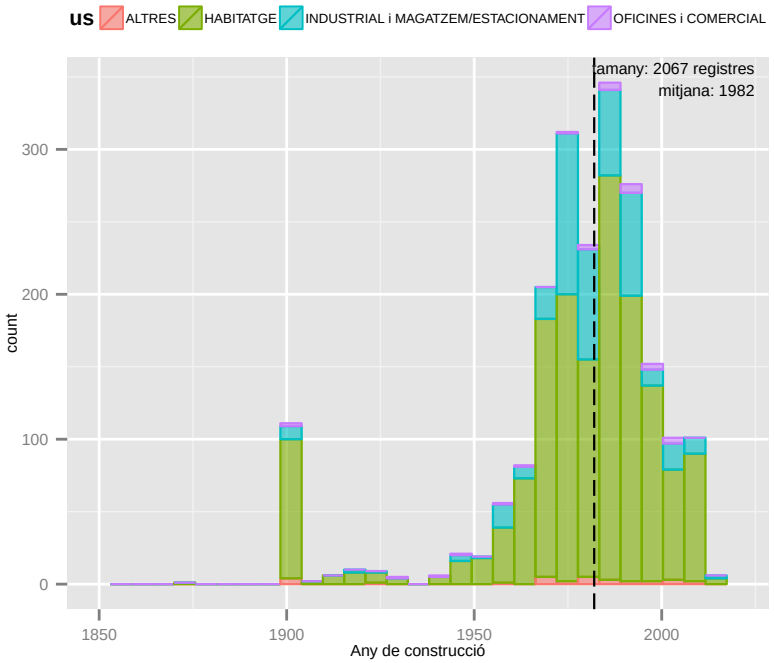


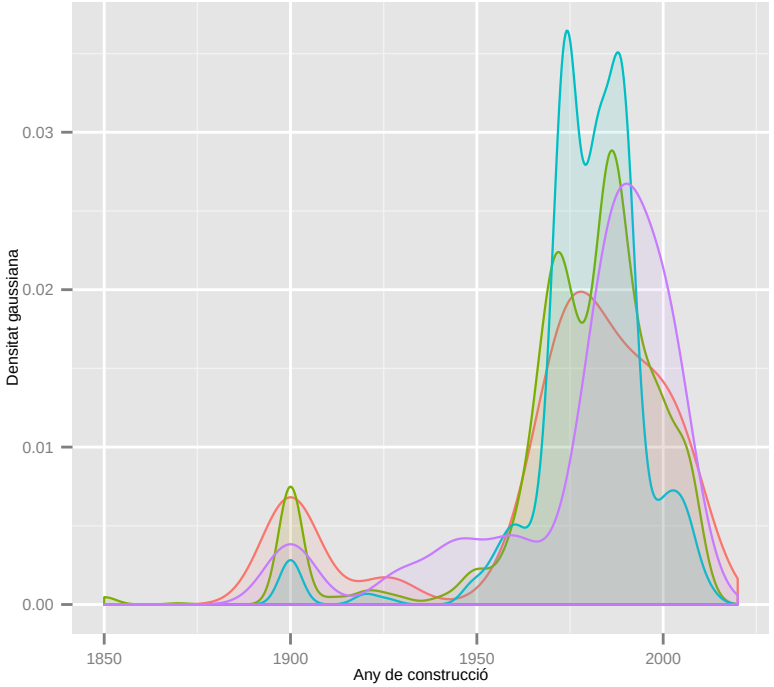


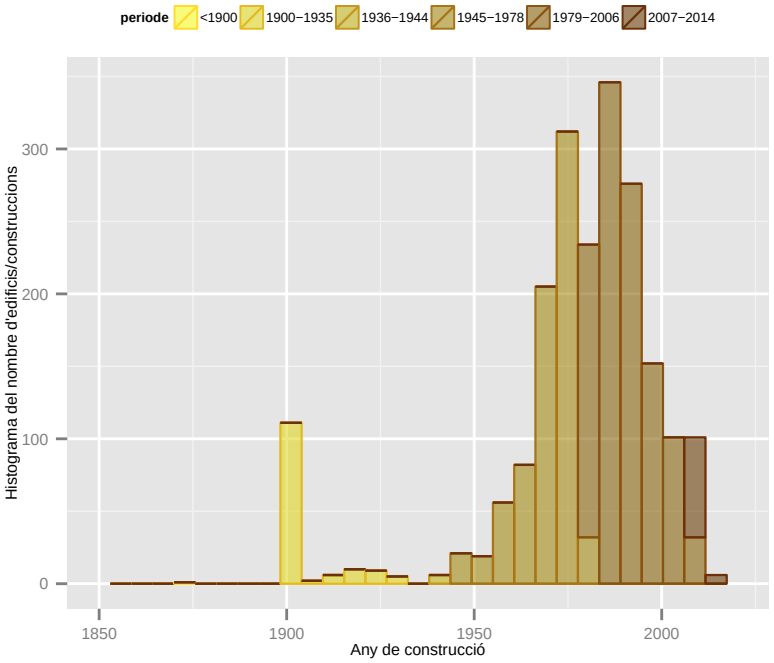


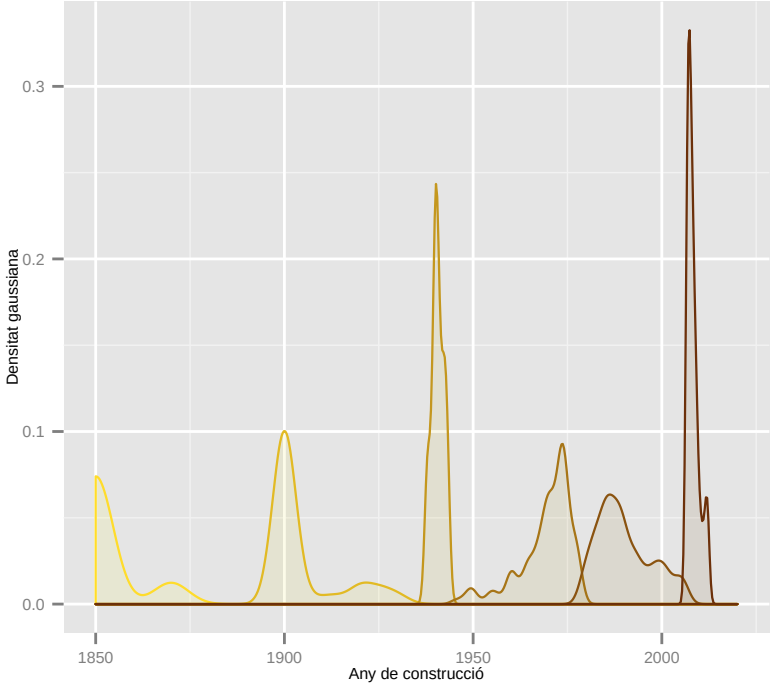
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

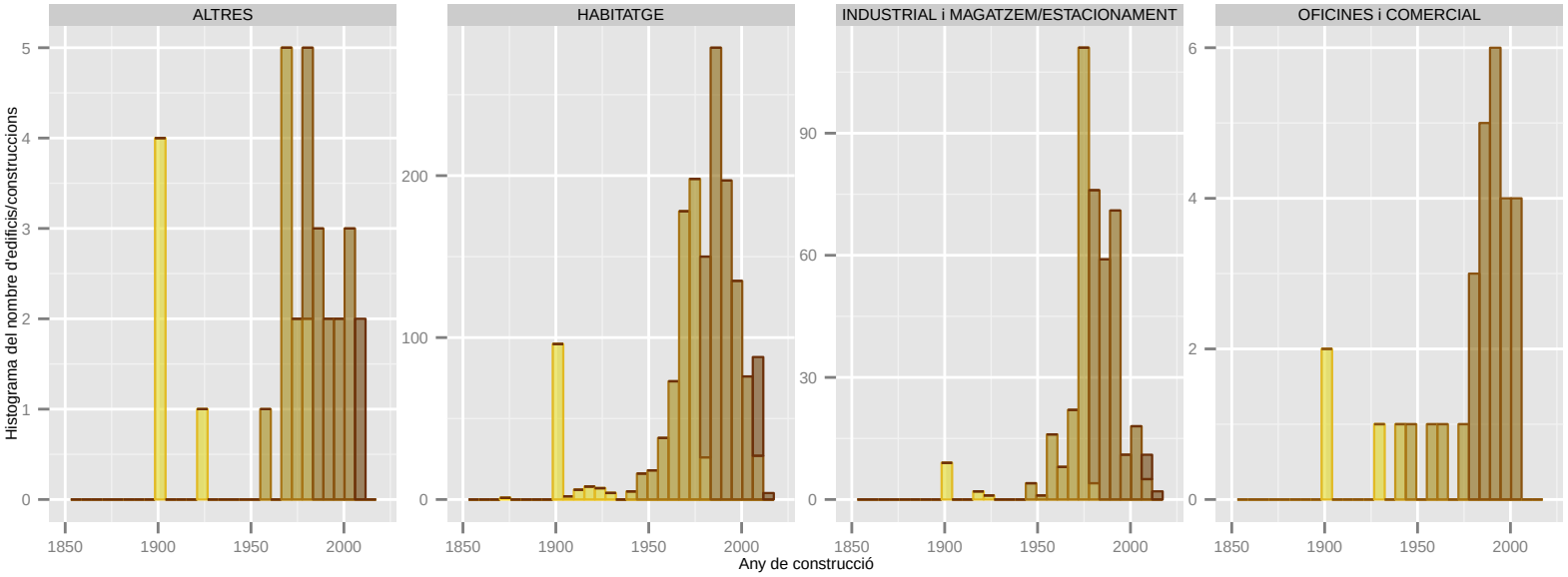
Any de construcció: SANT ANDREU DE LA BARCA





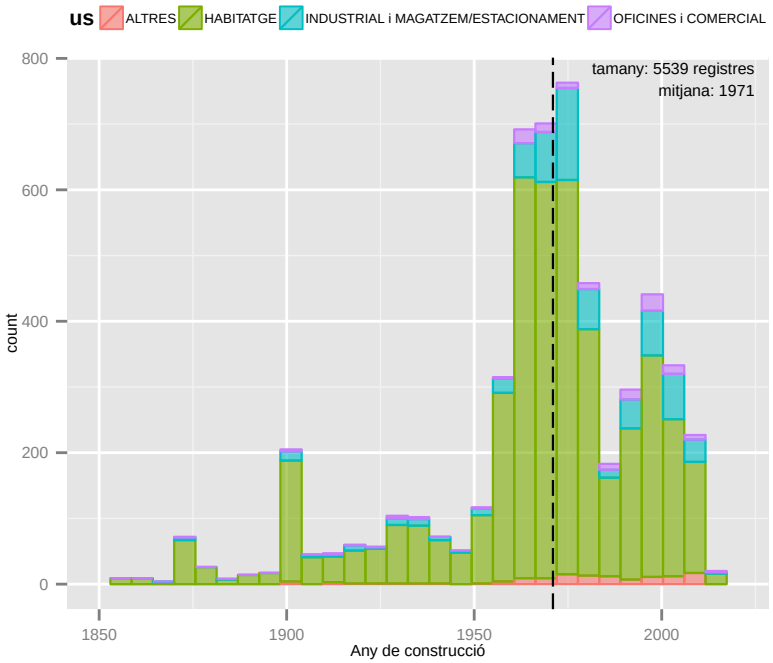


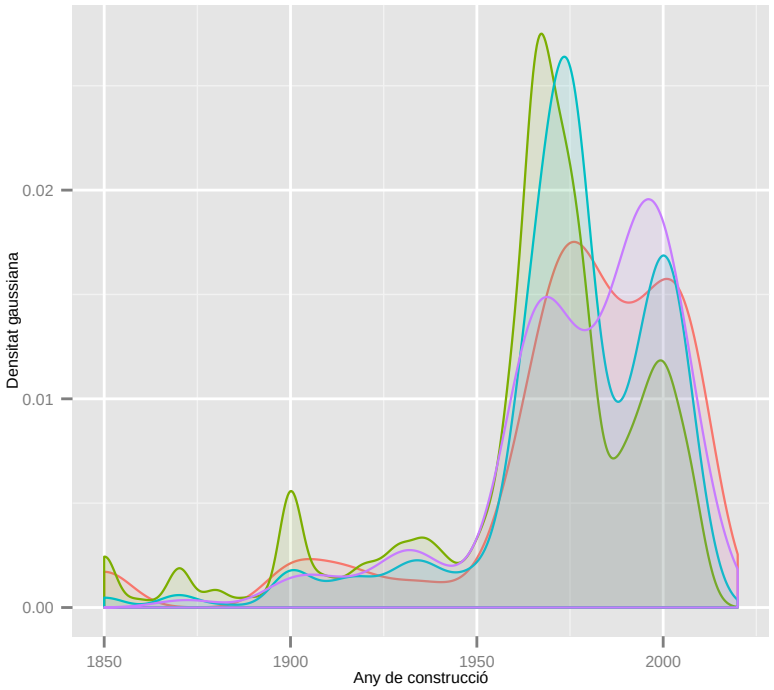


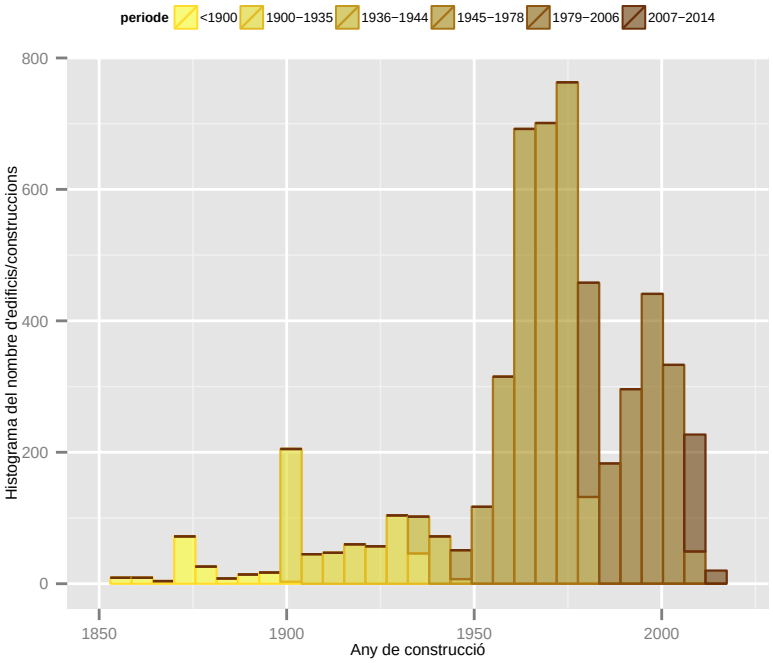


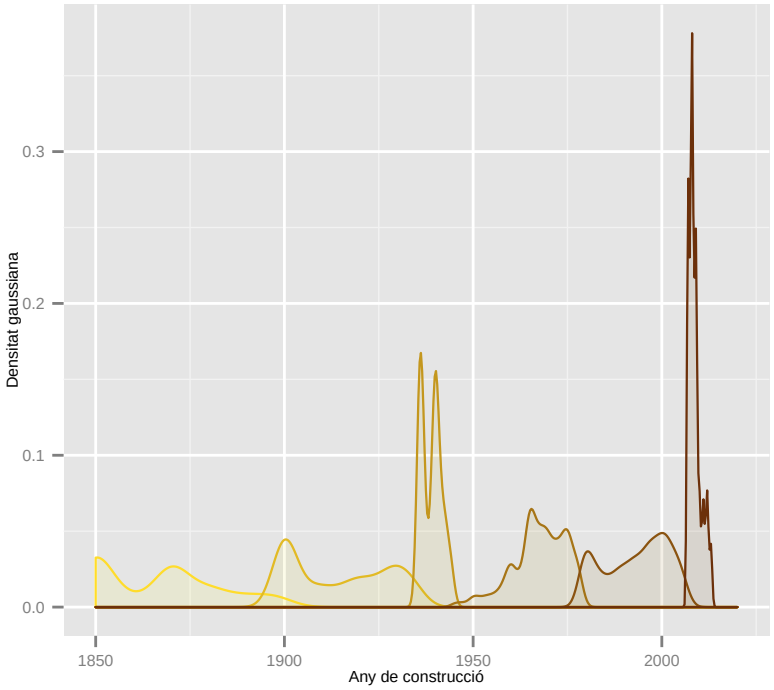
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

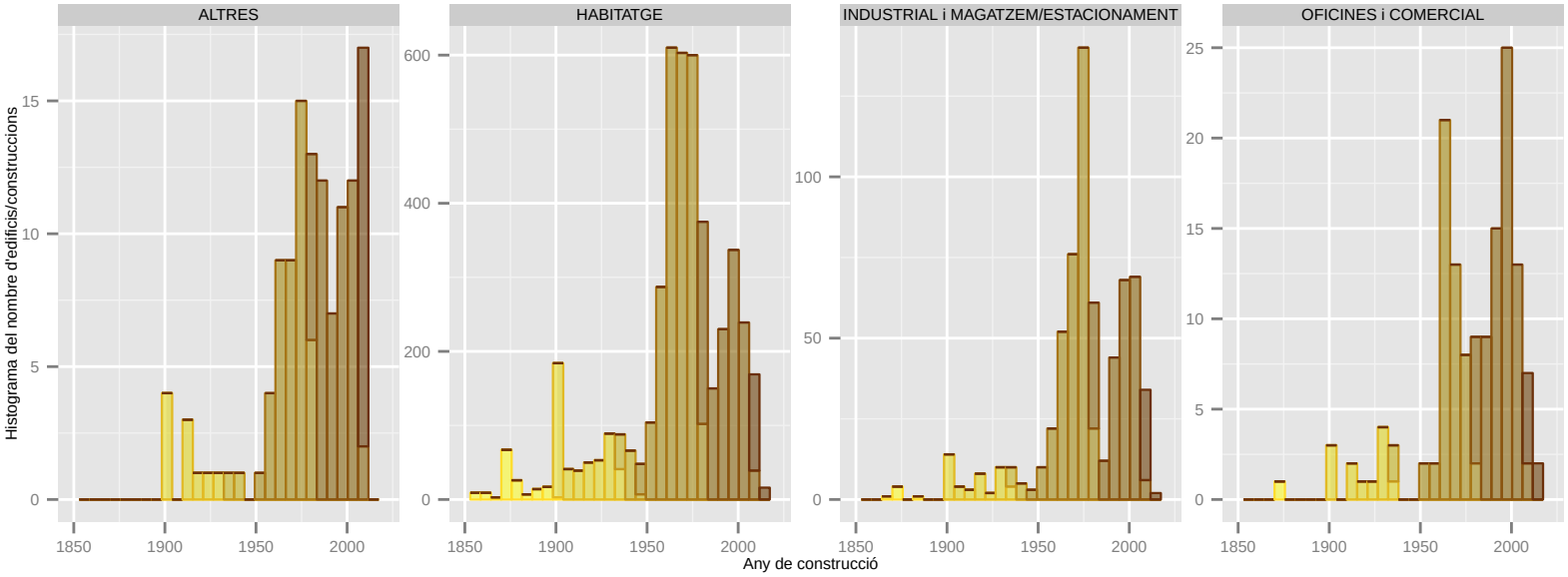
Any de construcció: SANT BOI DE LLOBREGAT





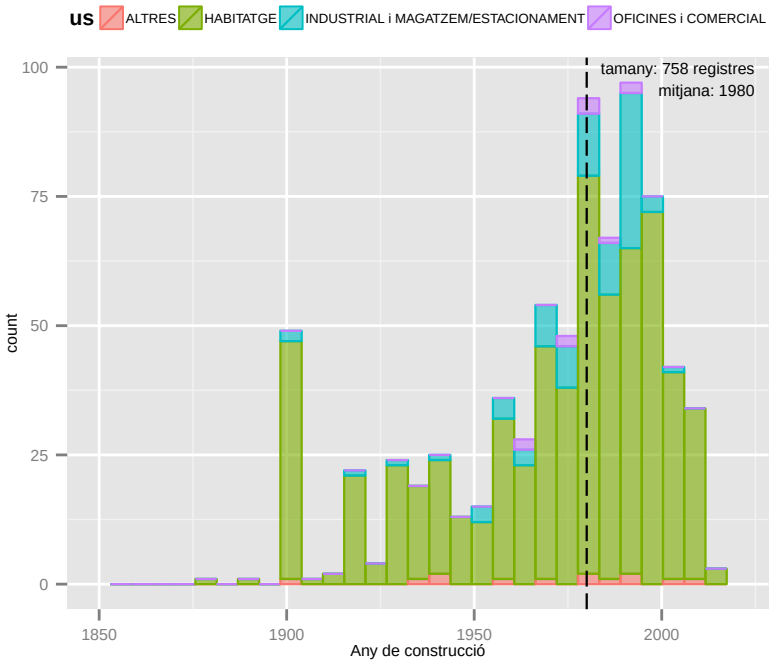


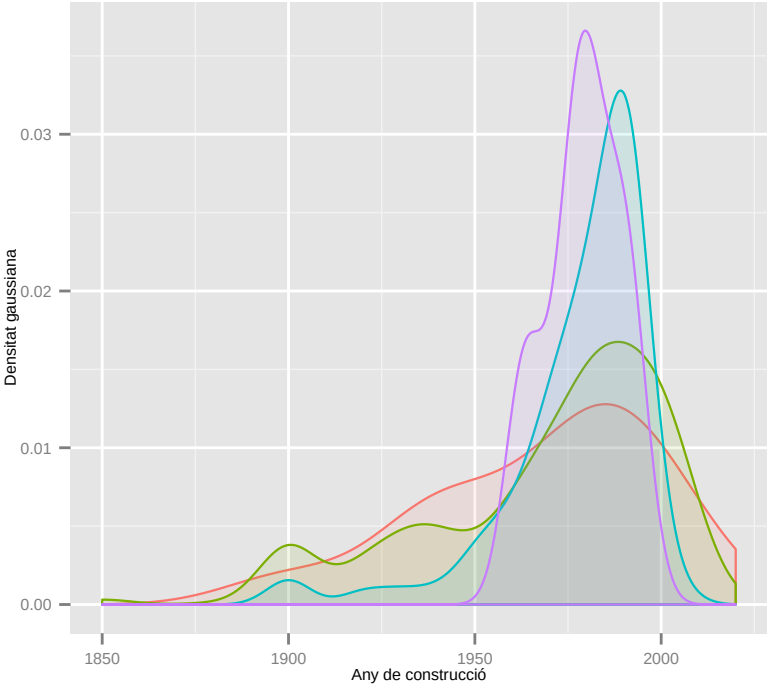


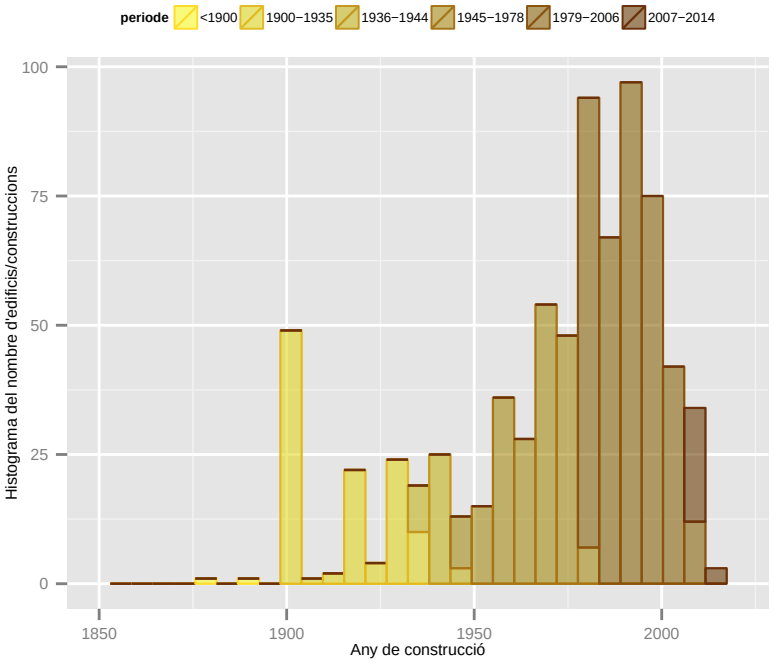


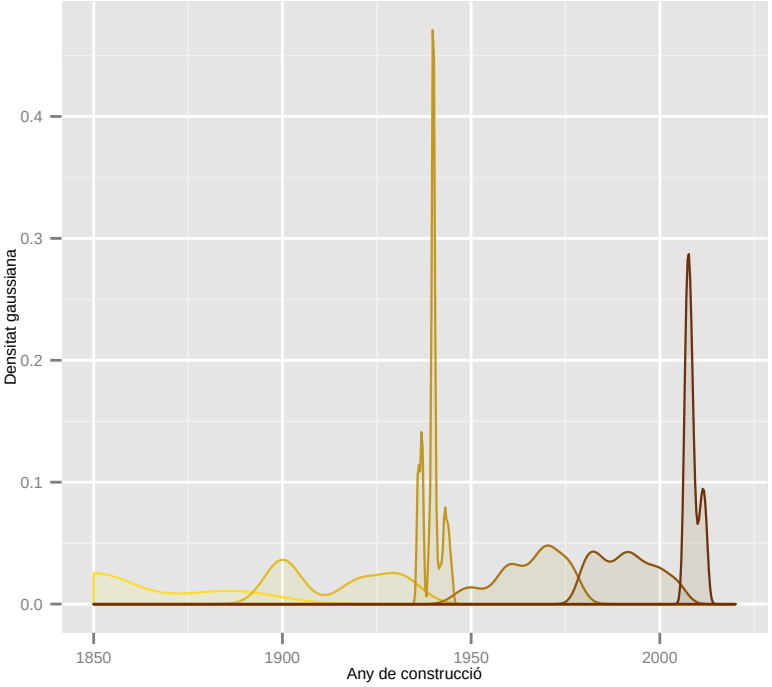
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

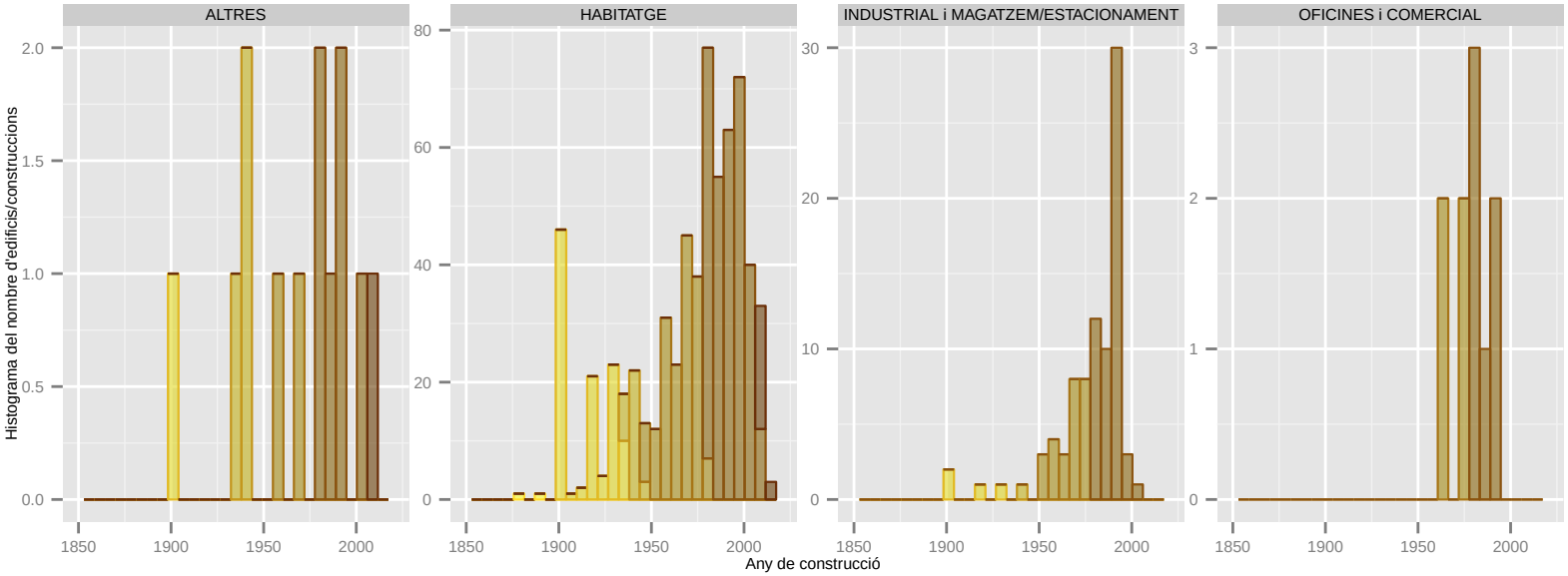
Any de construcció: SANT CLIMENT DE LLOBREGAT





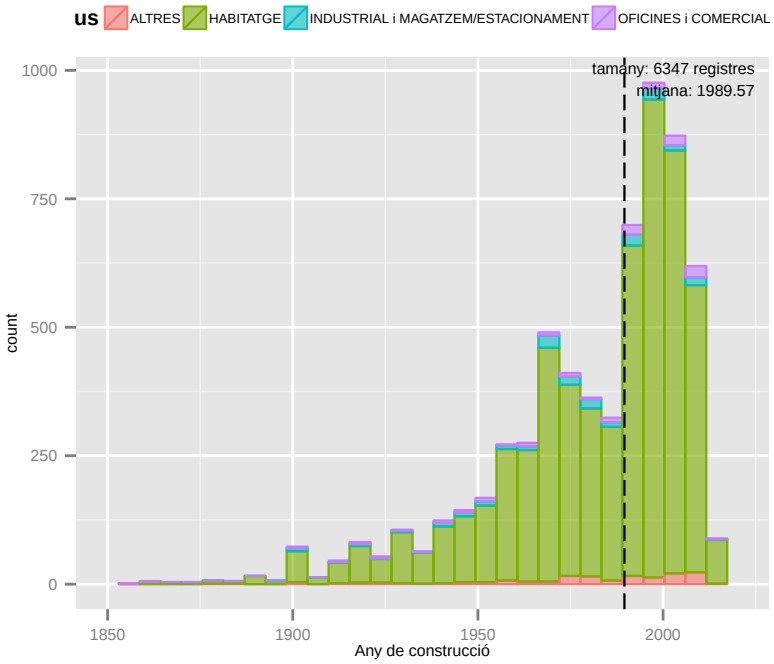


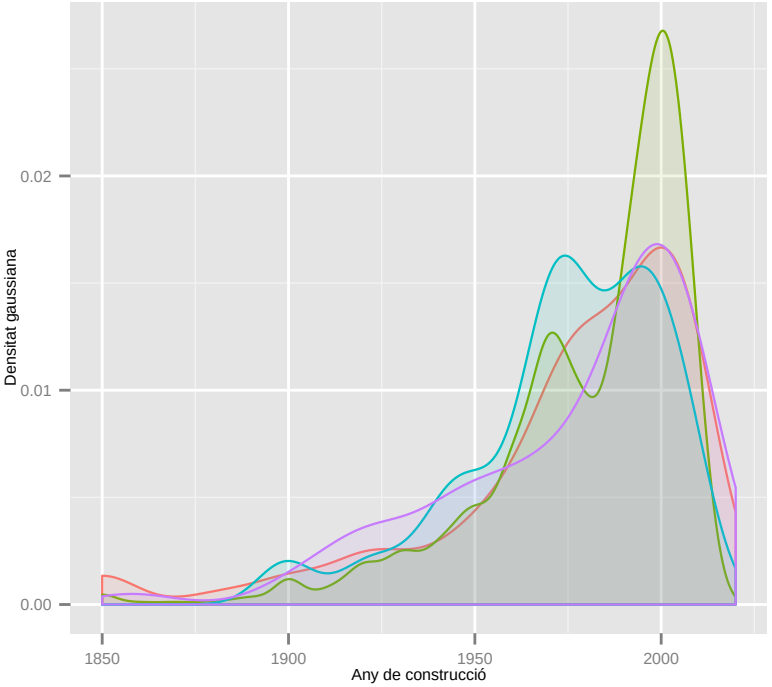


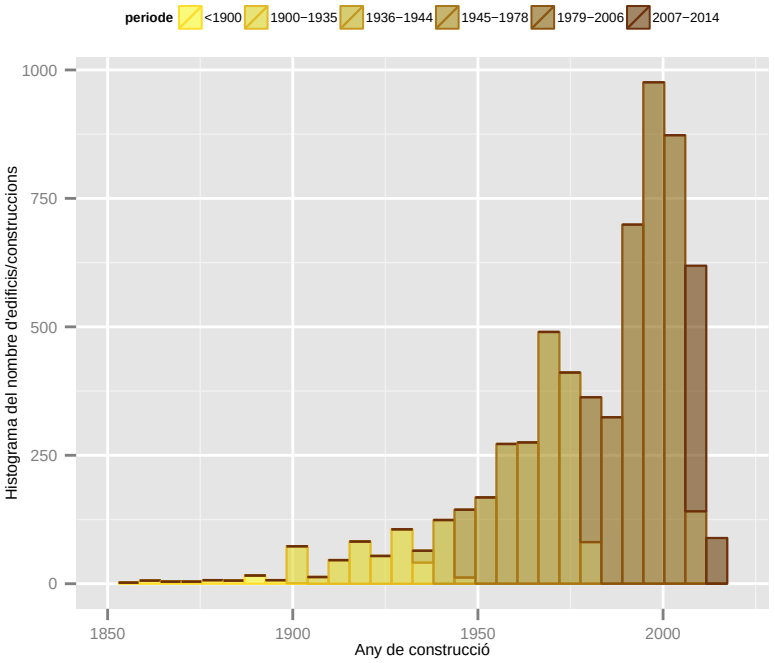


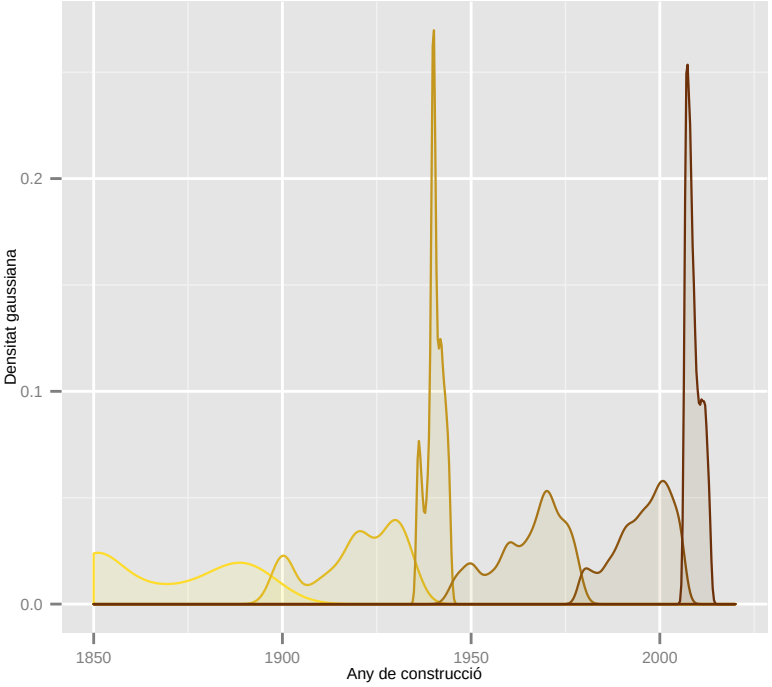
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

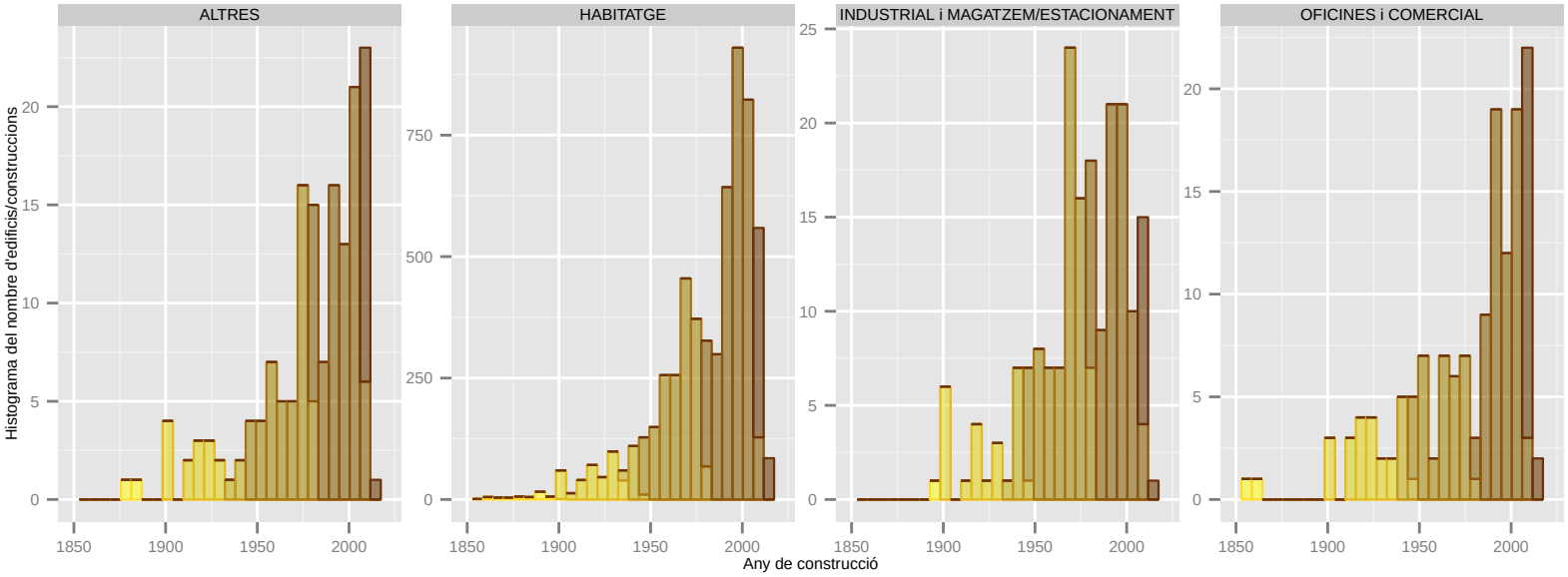
Any de construcció: SANT CUGAT DEL VALLES











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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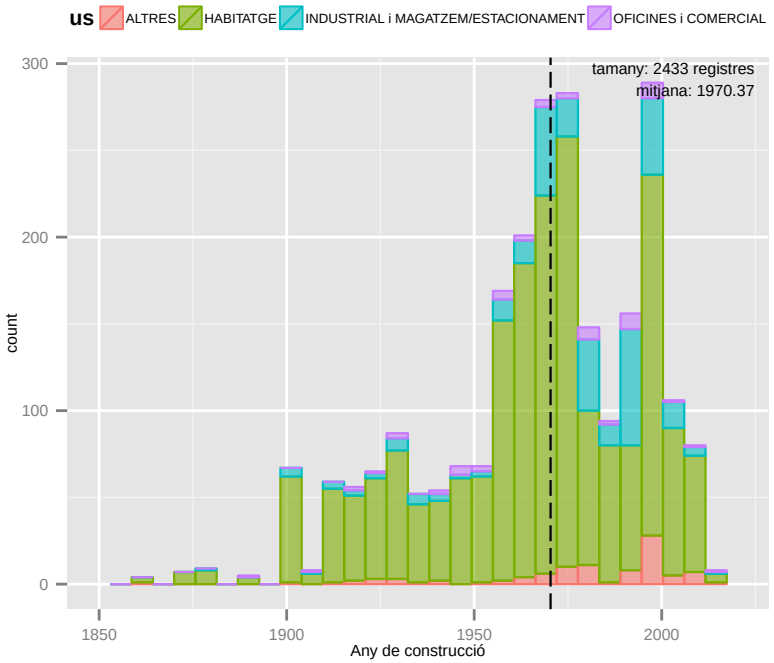
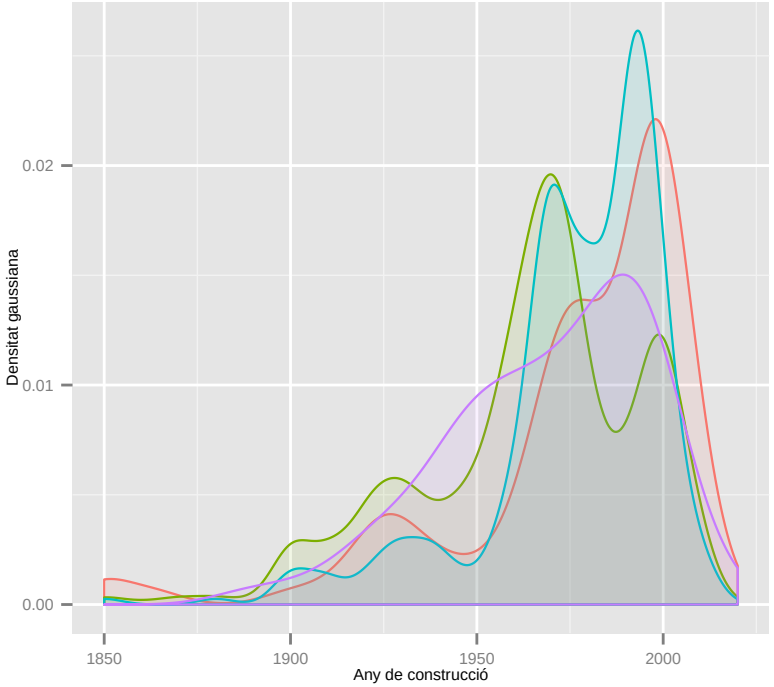
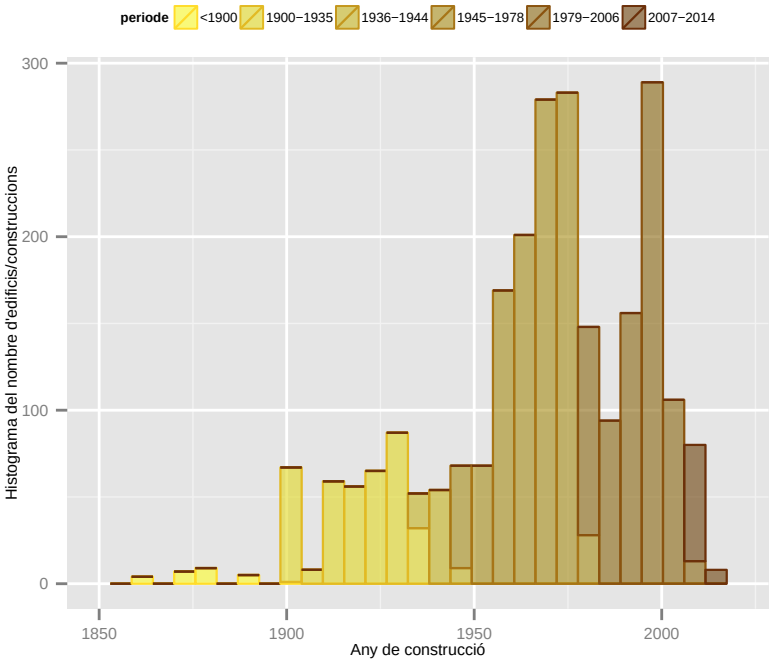
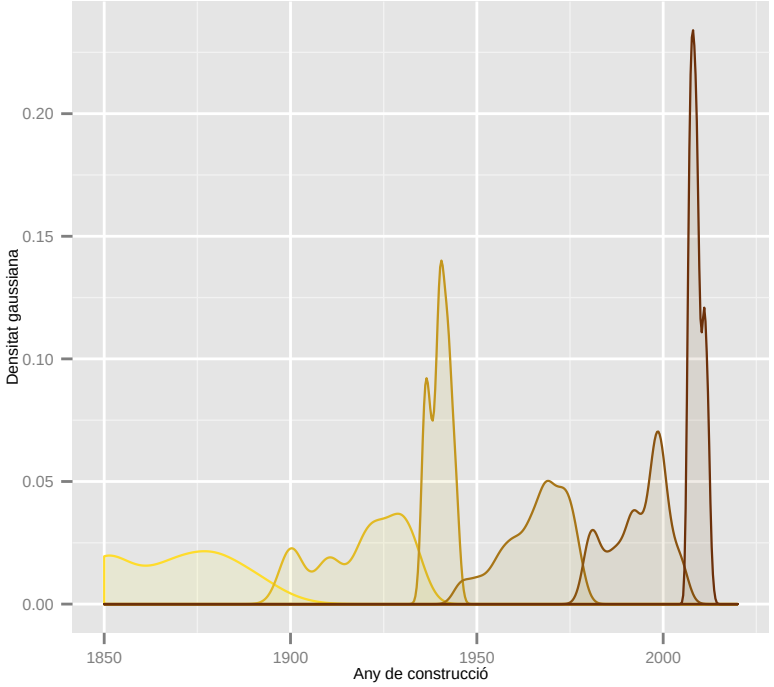
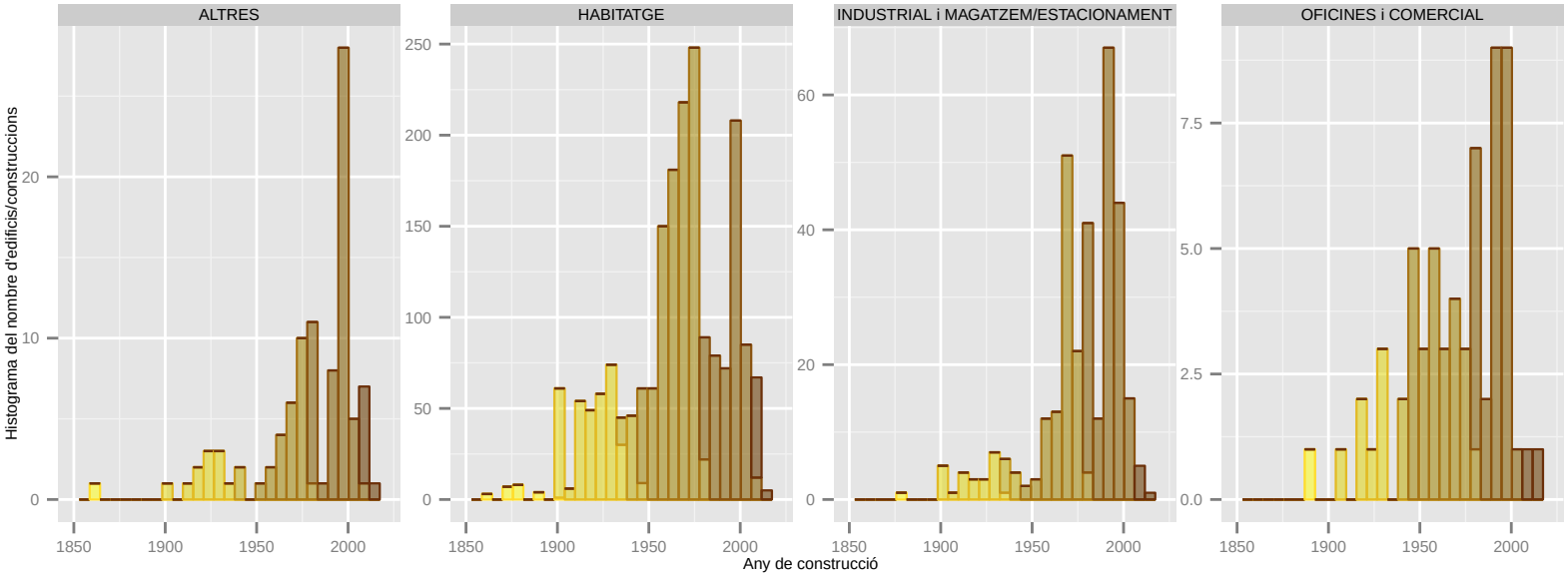
Any de construcció: SANT FELIU DE LLOBREGAT





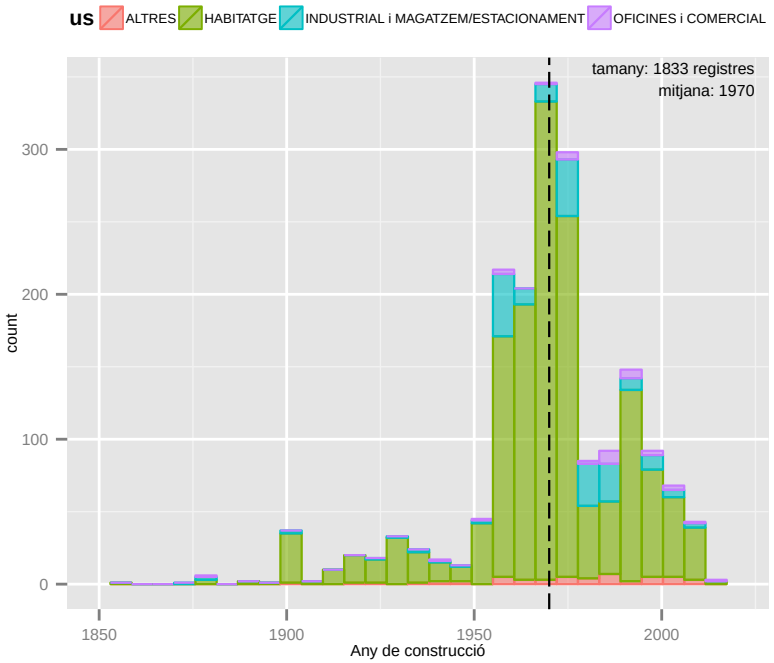


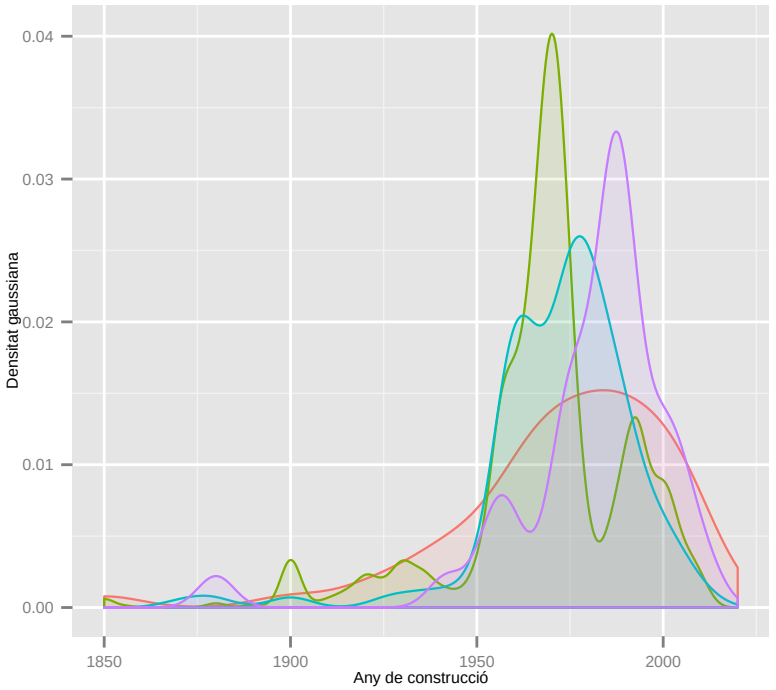


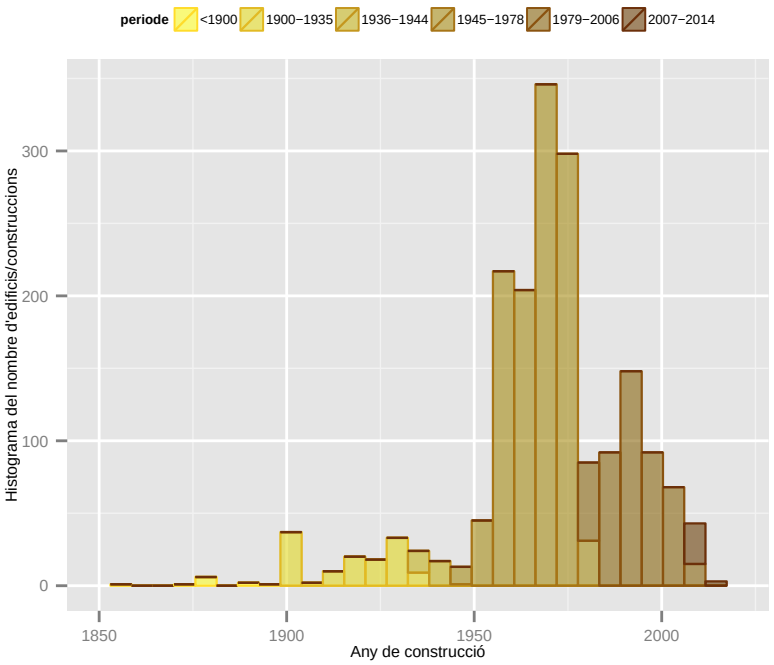


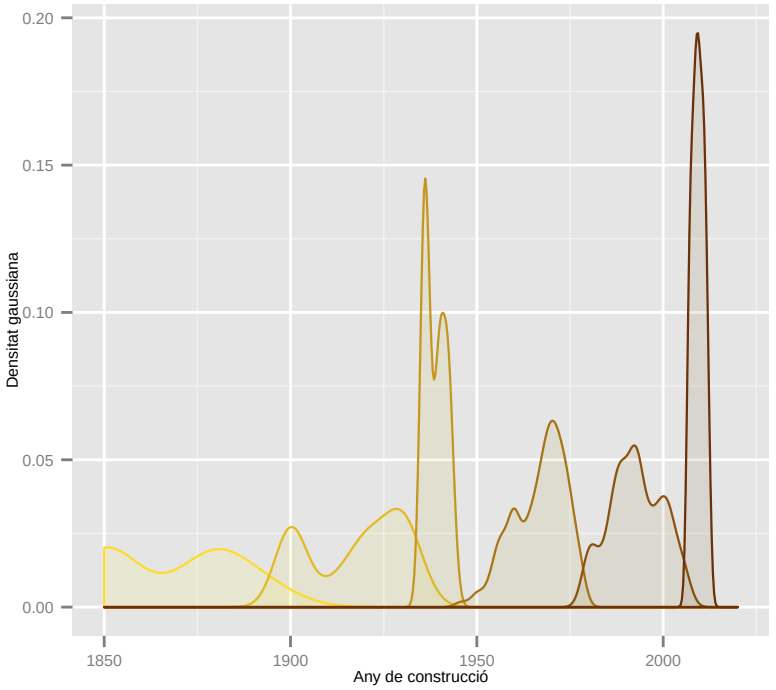
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

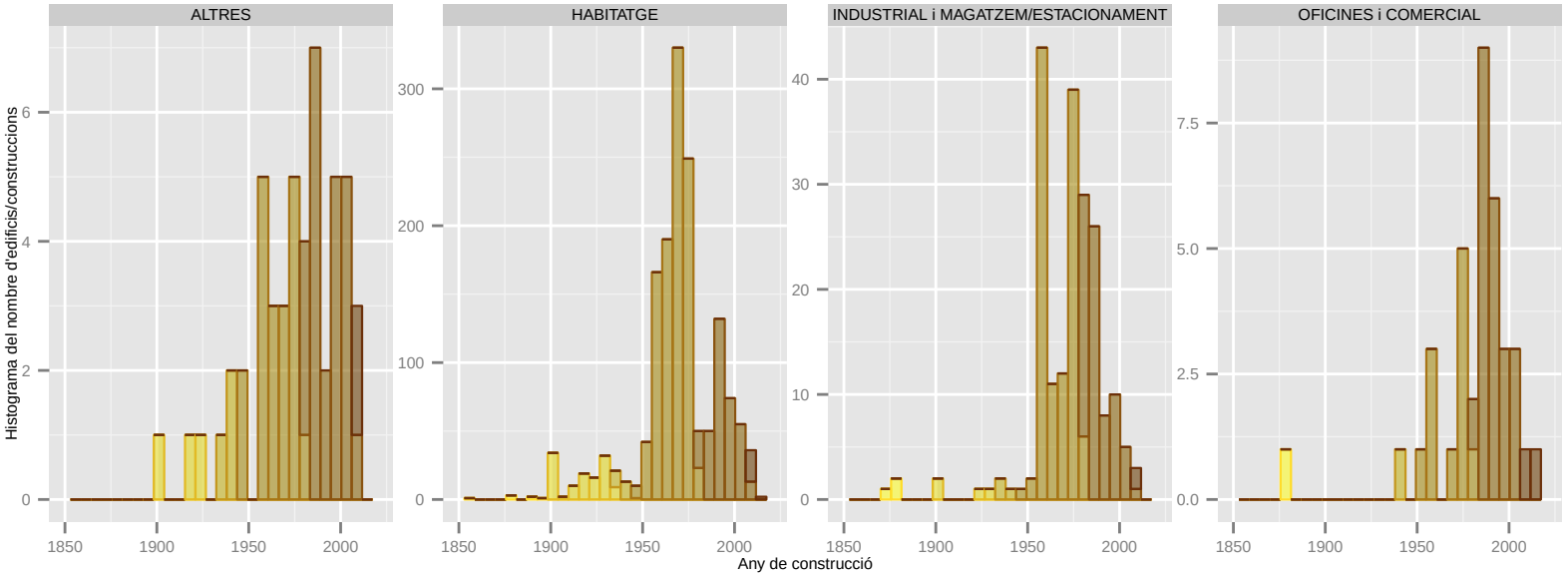
Any de construcció: SANT JOAN DESPI





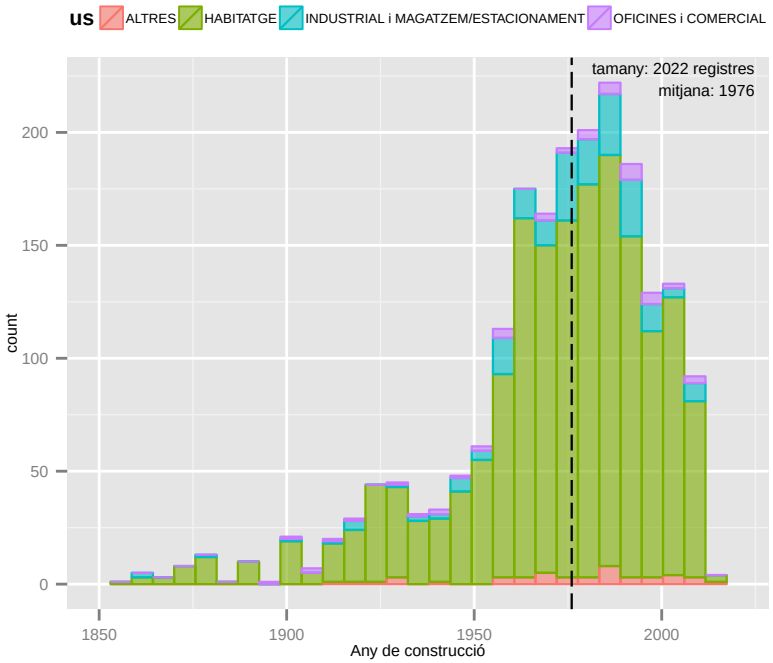


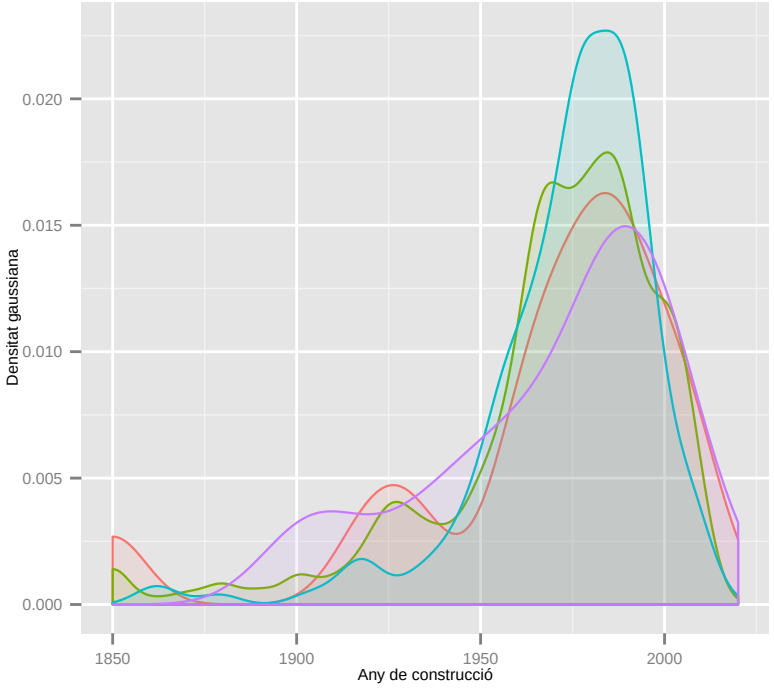


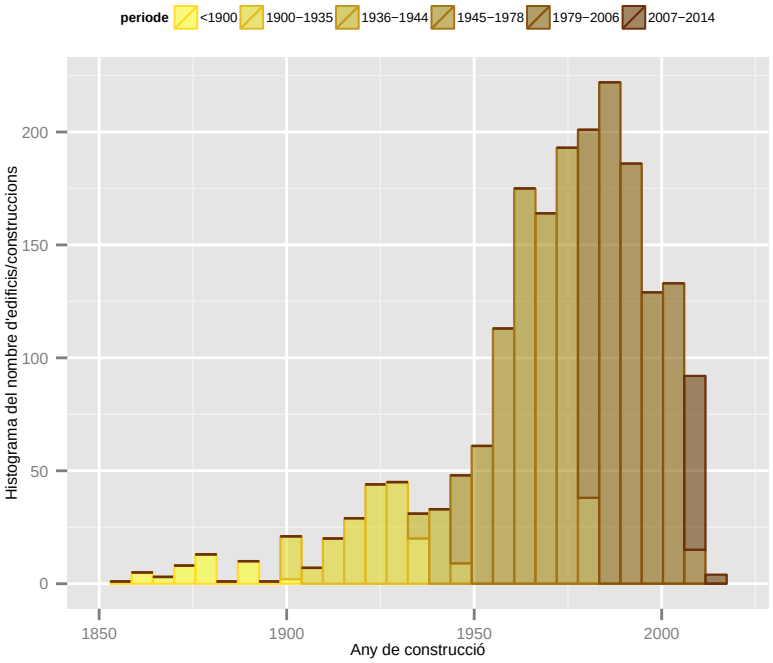


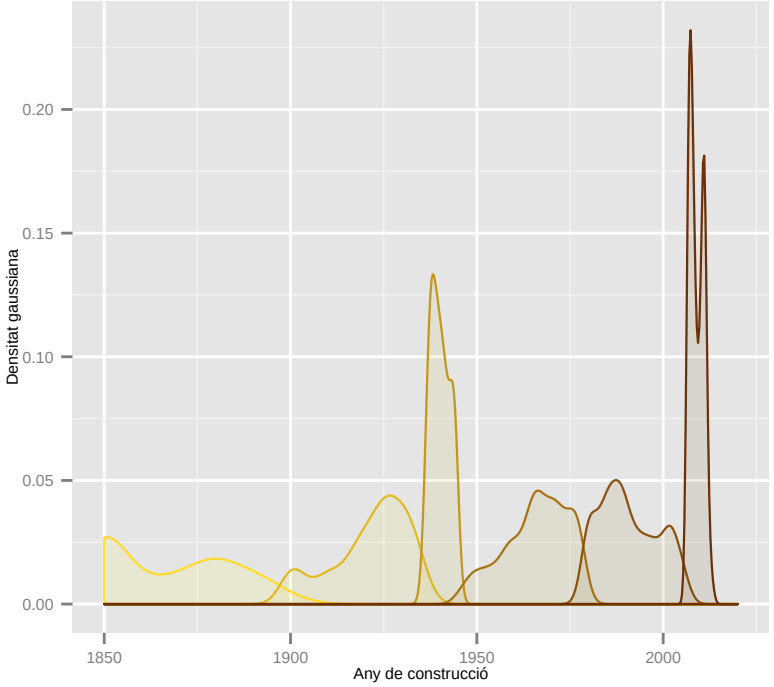
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

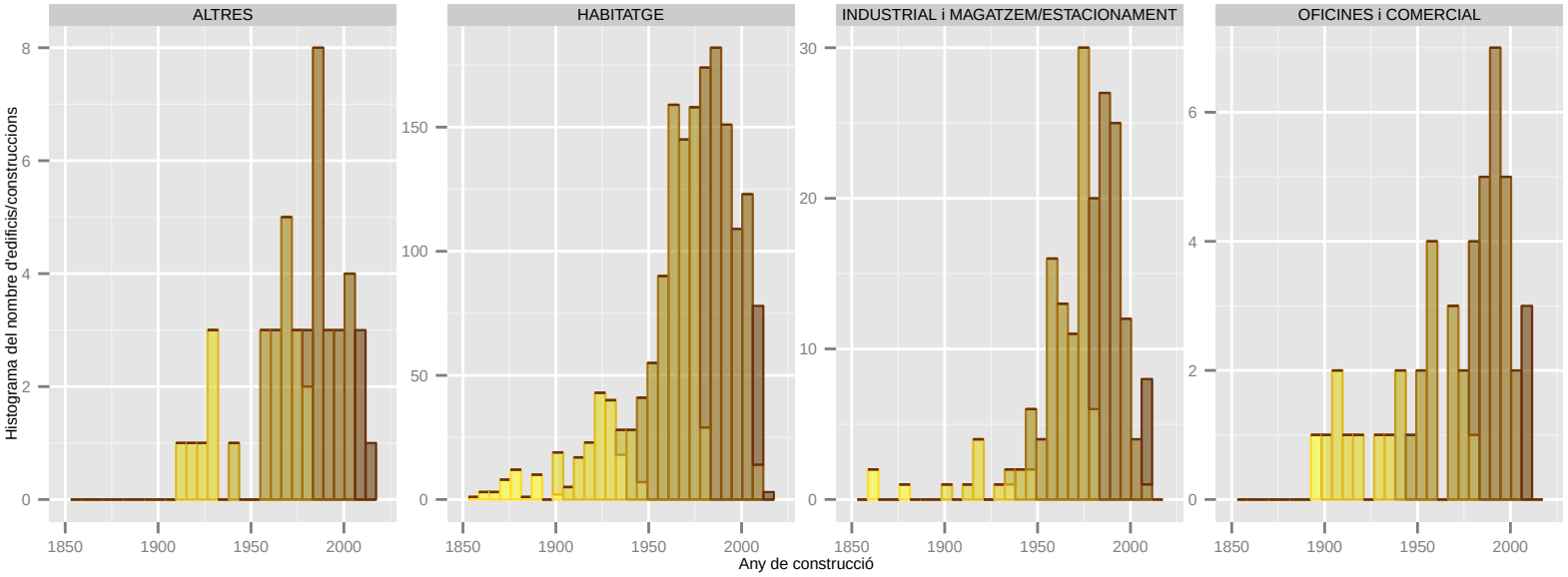
Any de construcció: SANT JUST DESVERN











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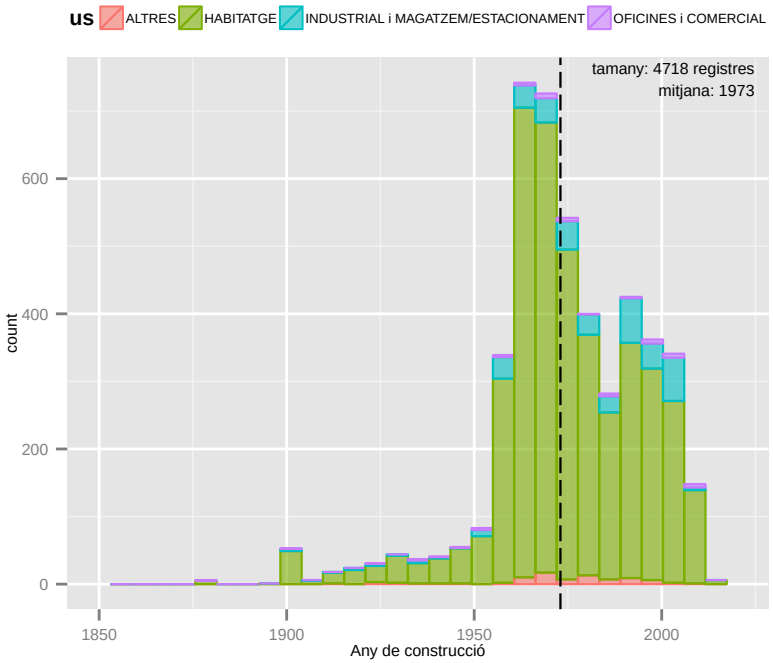
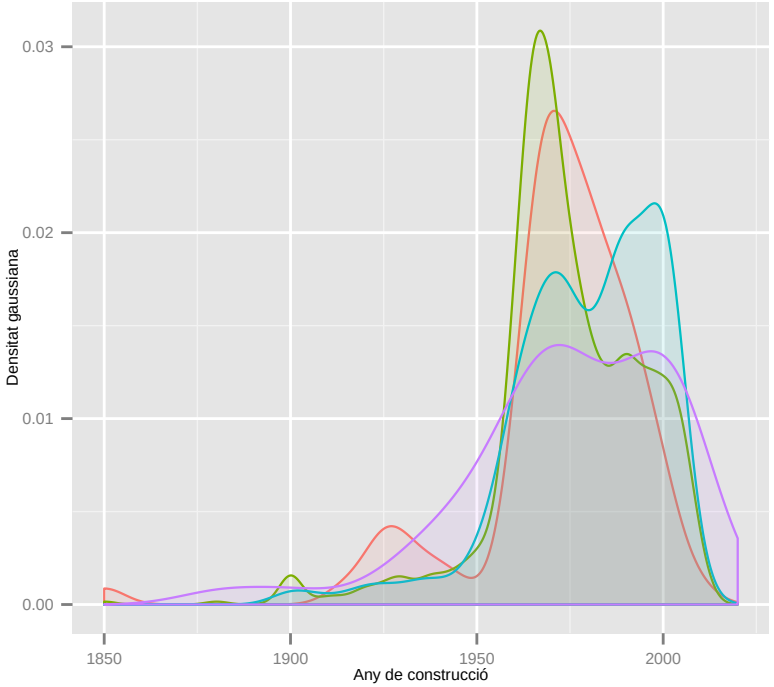
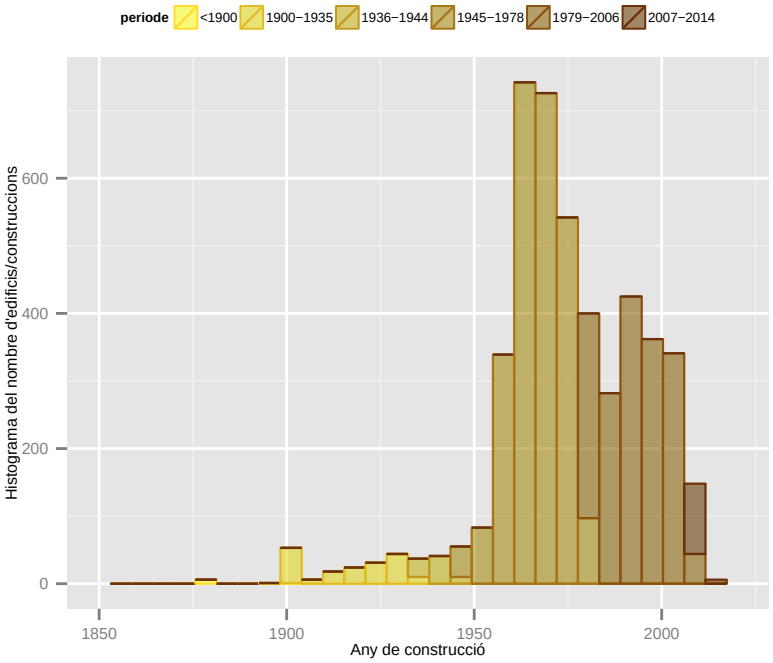
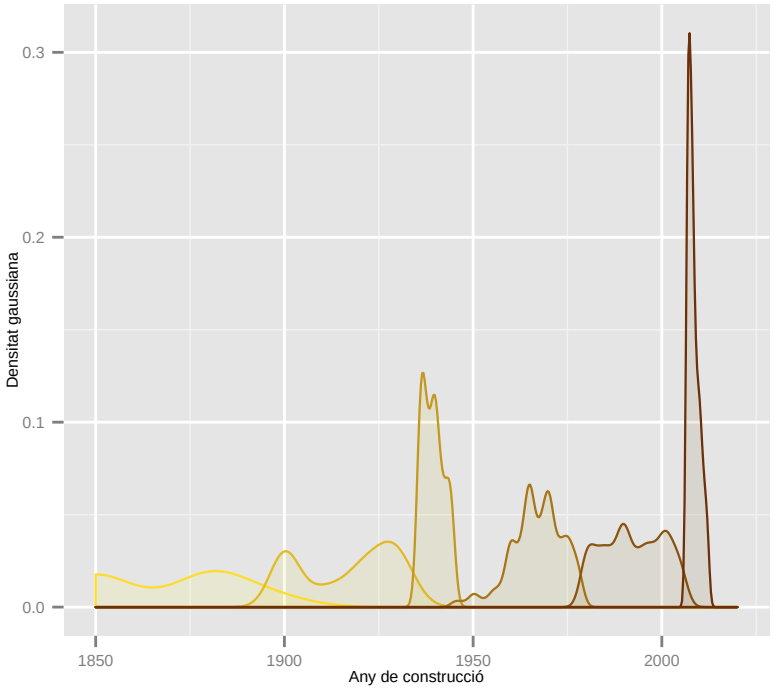
PSAMB

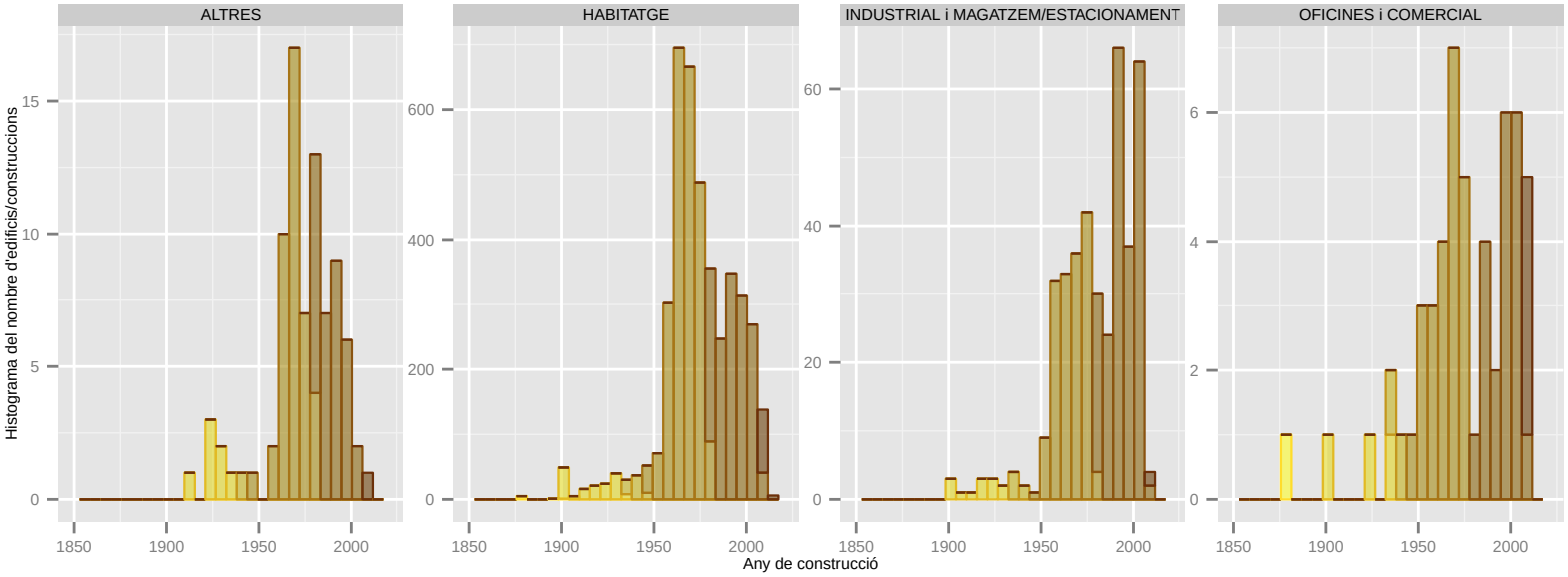
Any de construcció: SANT VICENÃ‡ DELS HORTS











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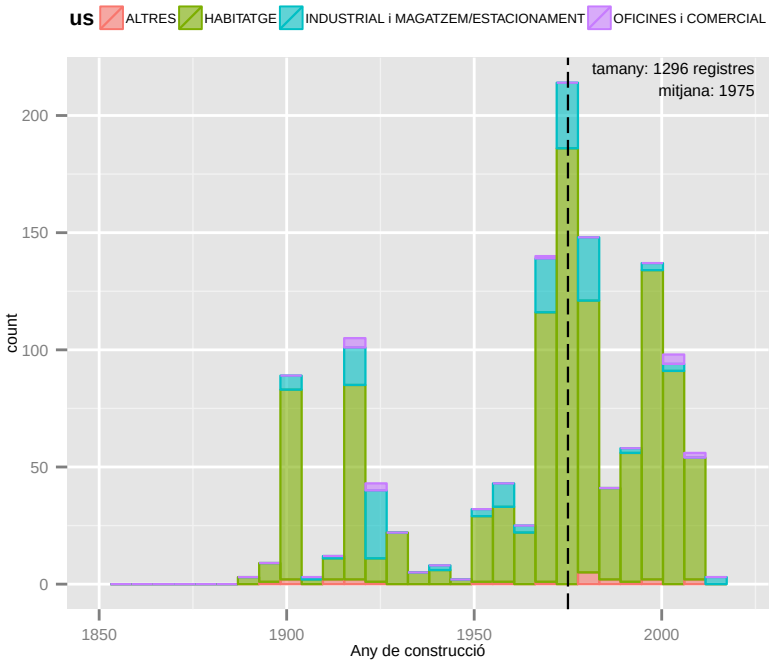
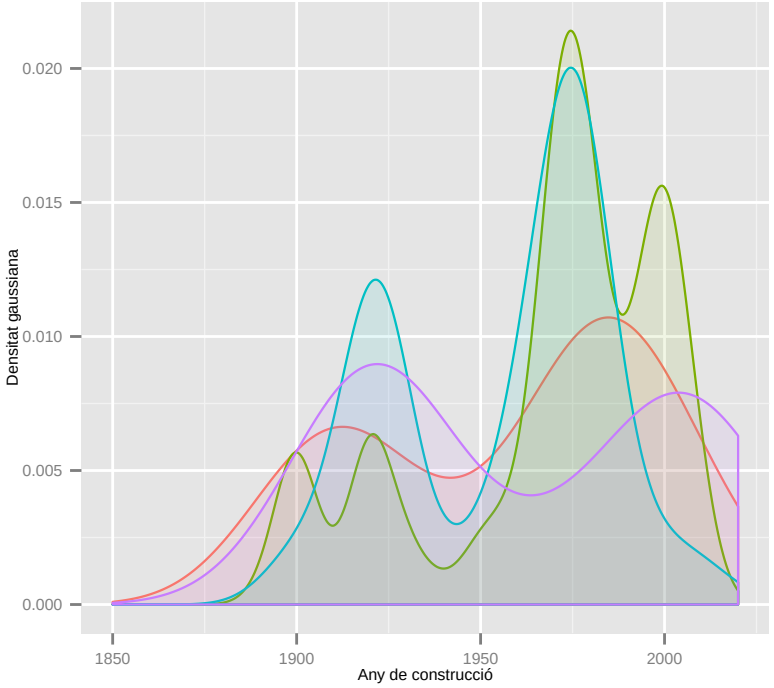
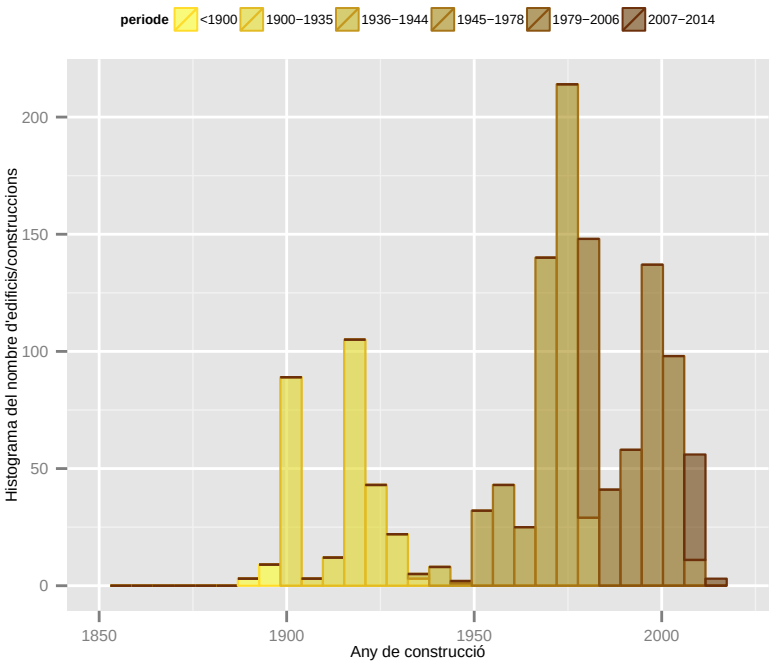
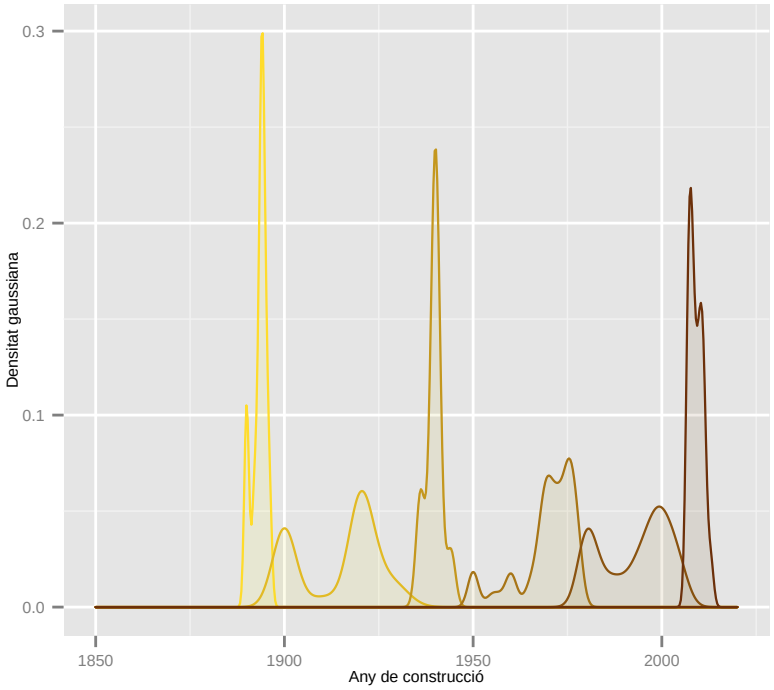
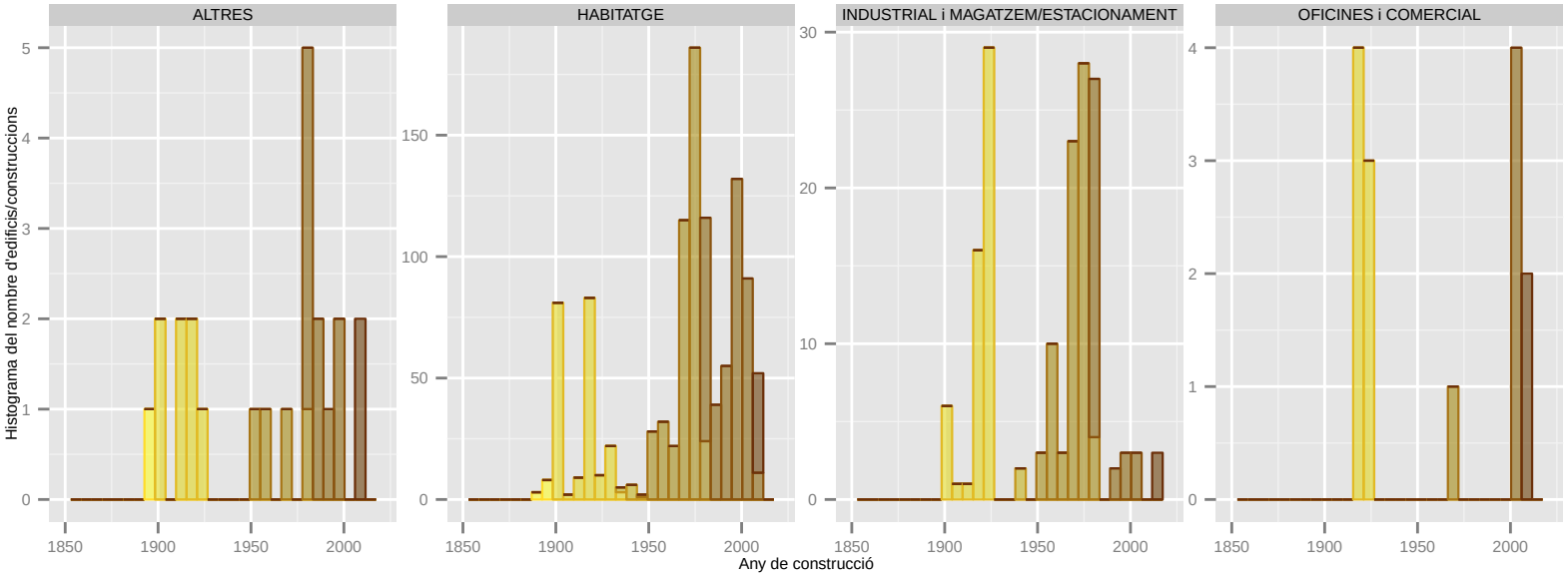
Any de construcció: SANTA COLOMA DE CERVELLO











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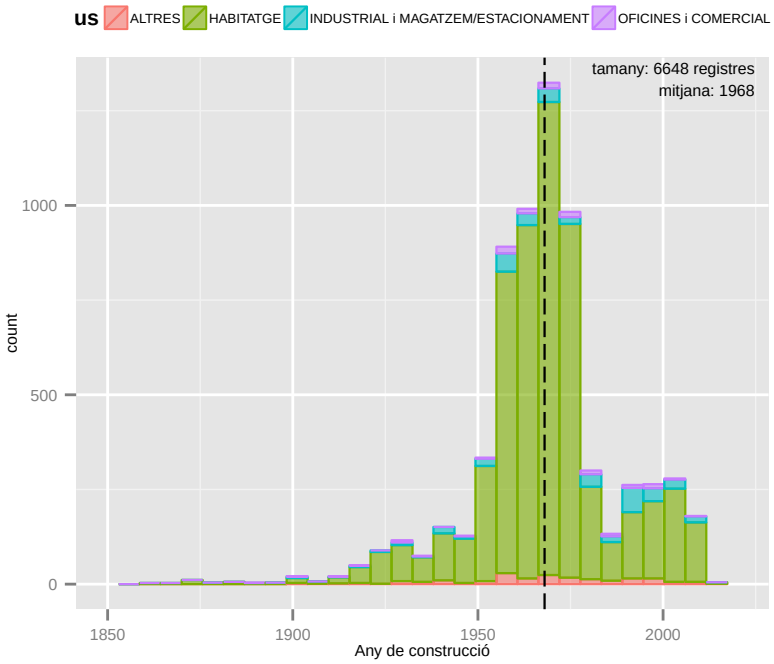
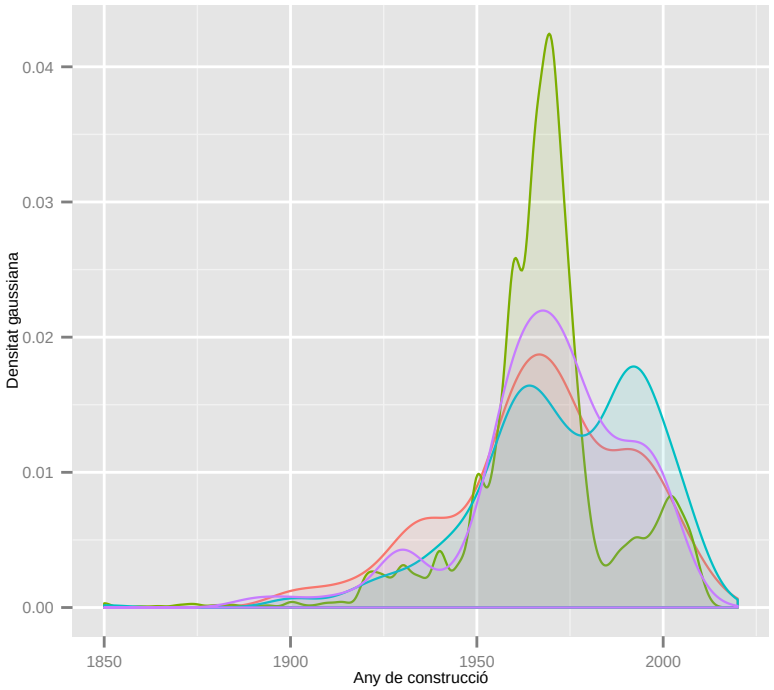
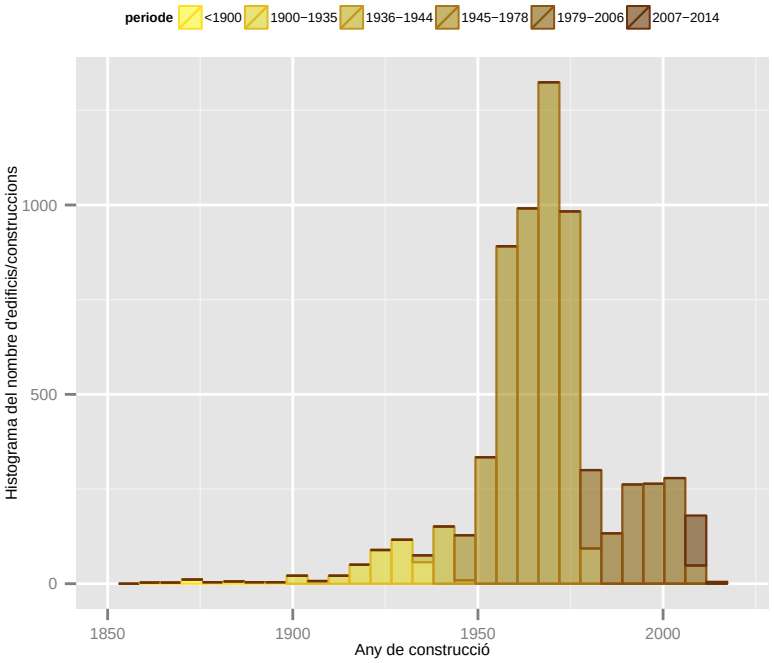
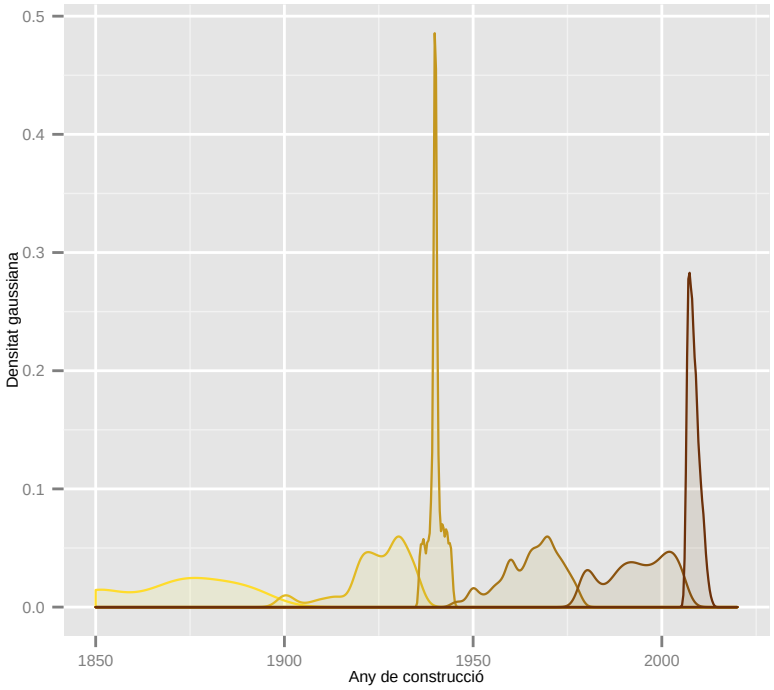
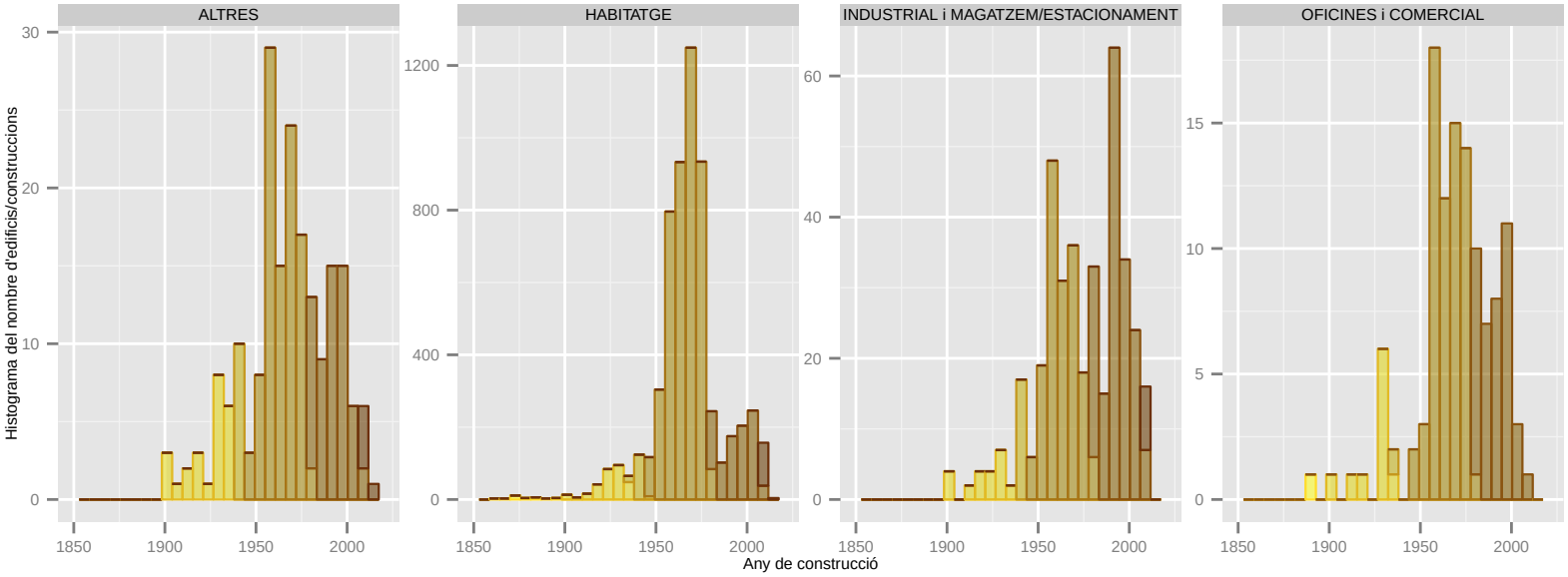
Any de construcció: SANTA COLOMA DE GRAMENET











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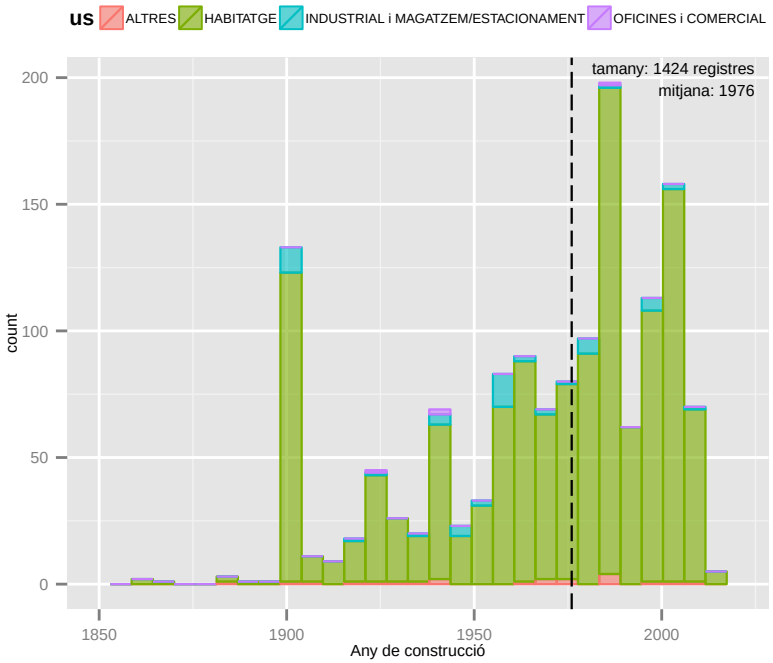
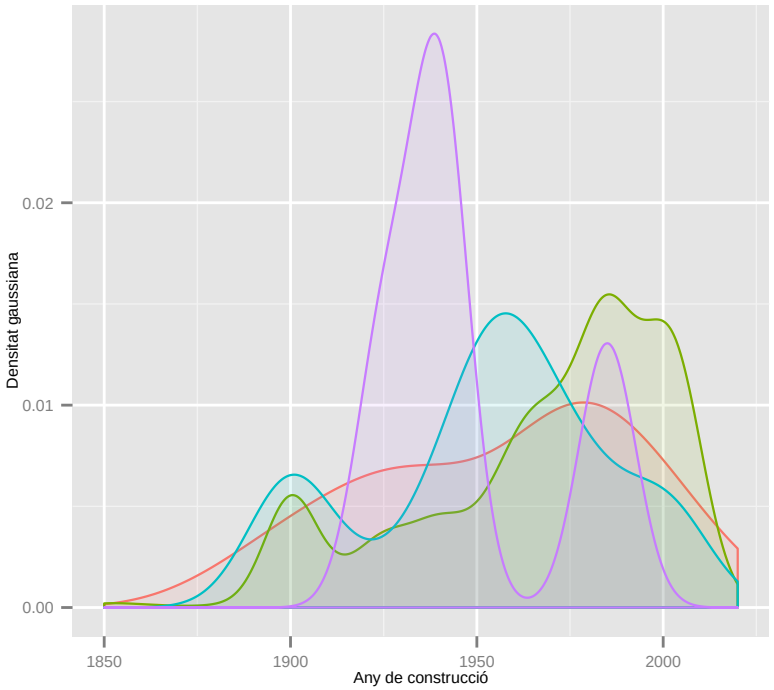
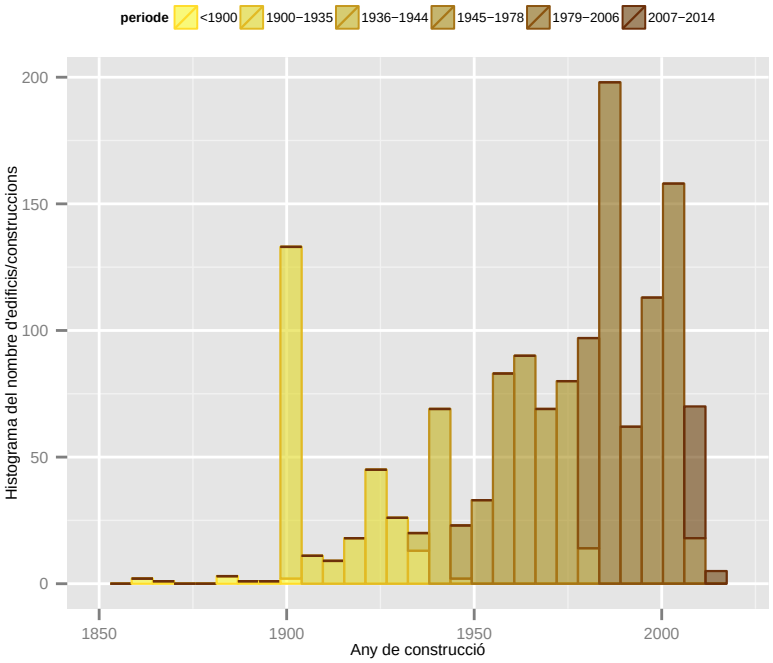
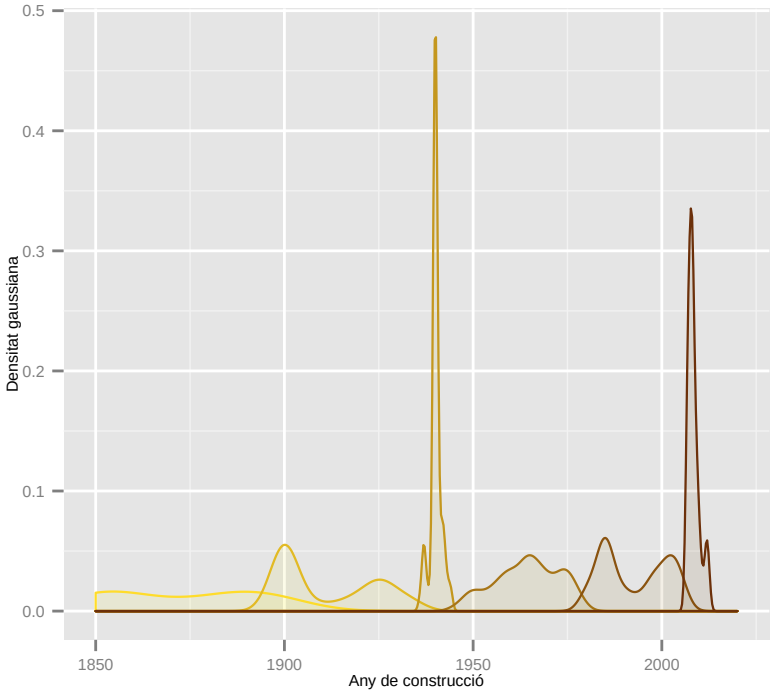
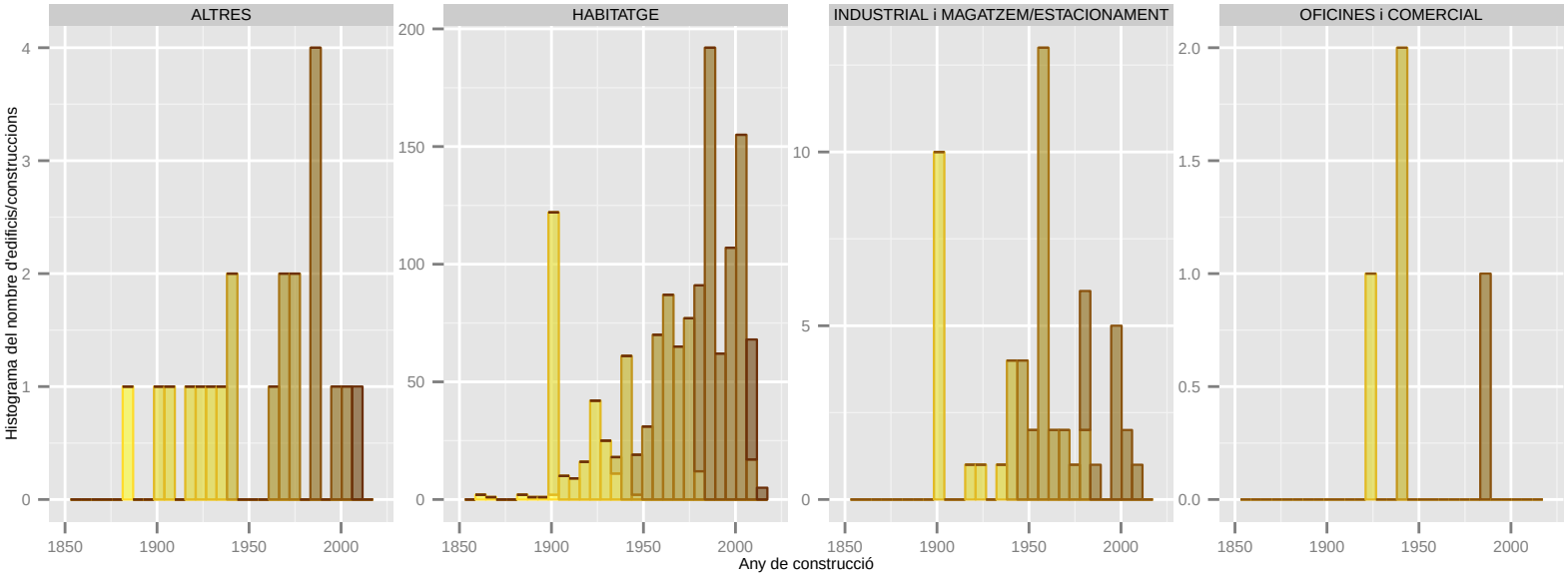
Any de construcció: TIANA





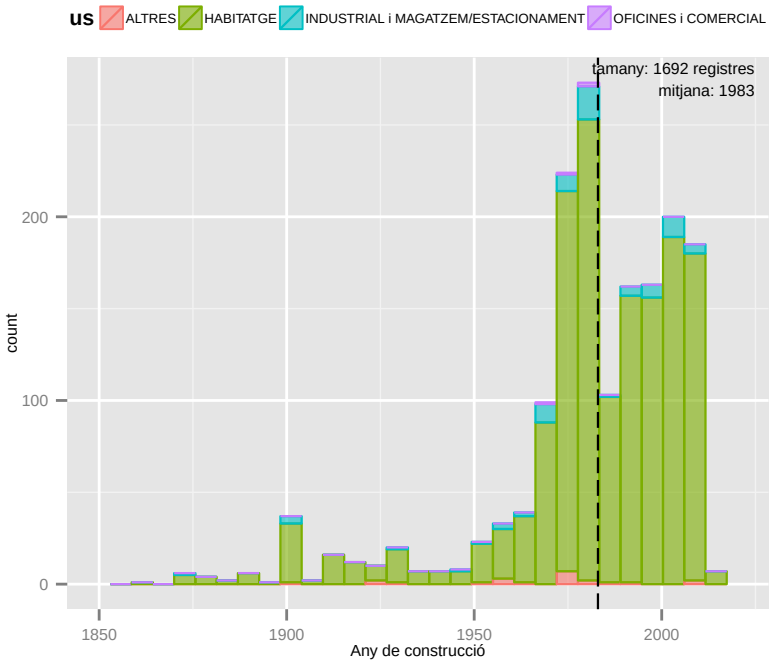


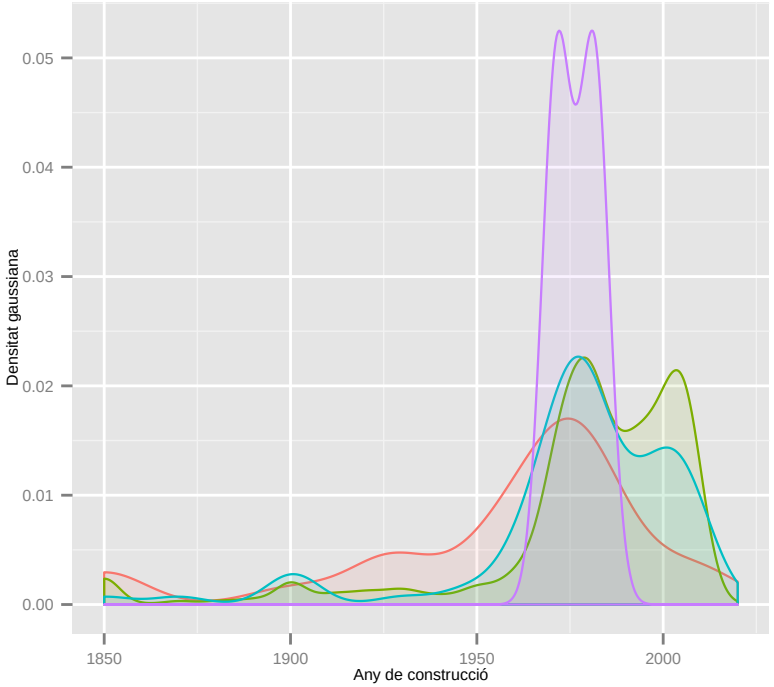


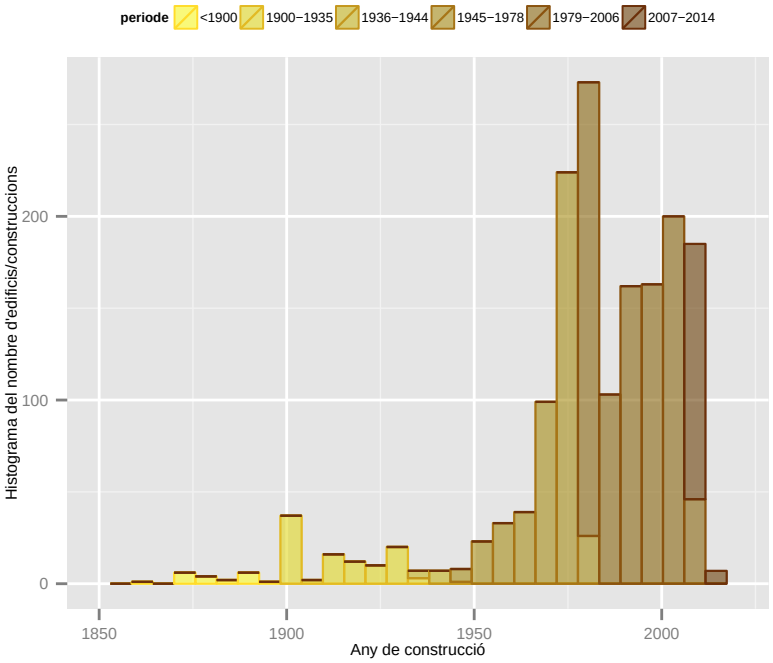


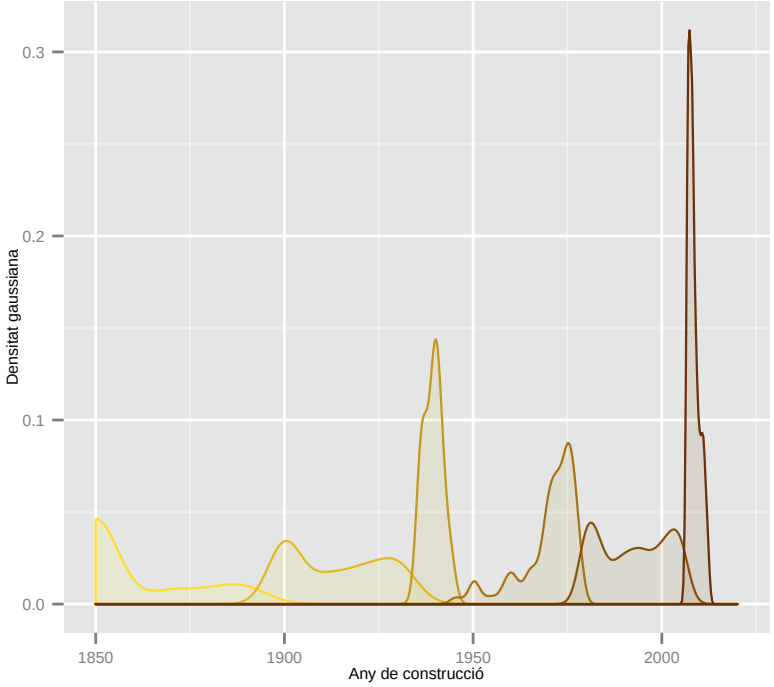
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

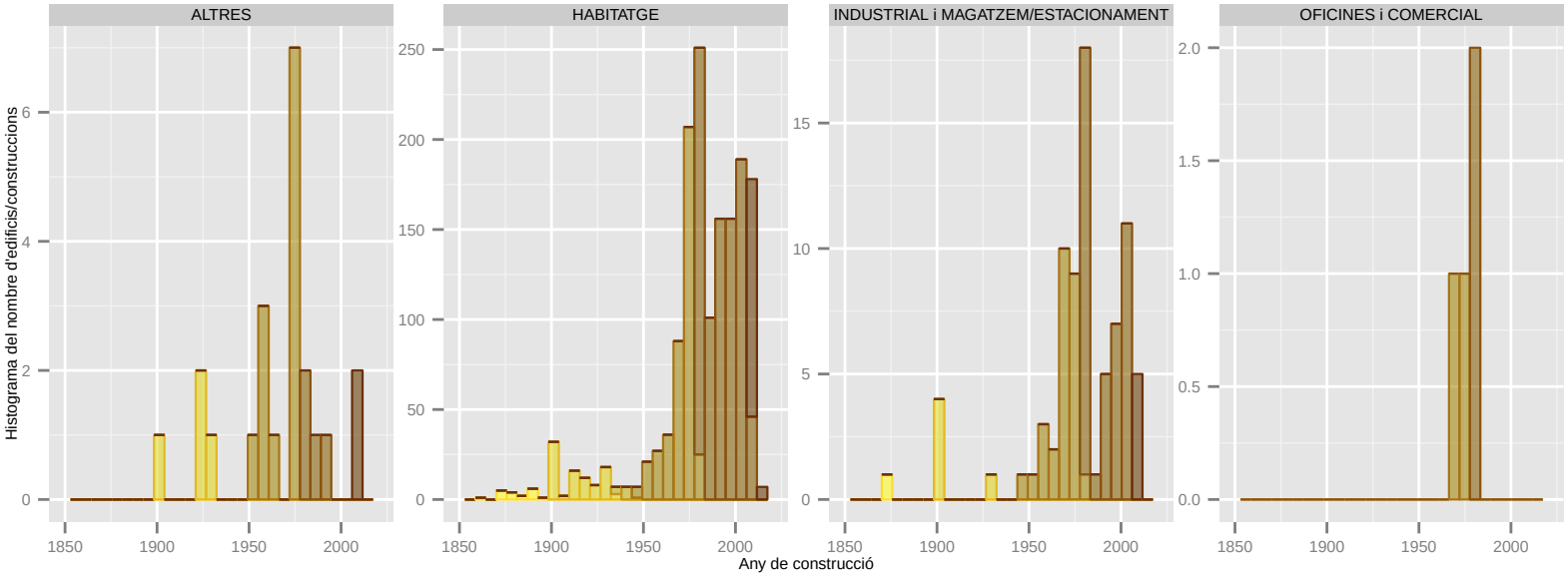
Any de construcció: TORRELLES DE LLOBREGAT





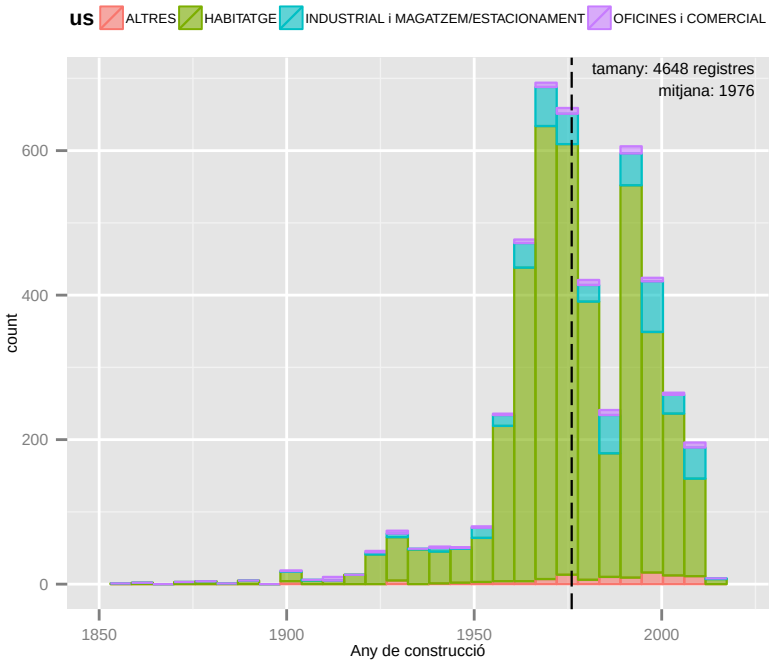


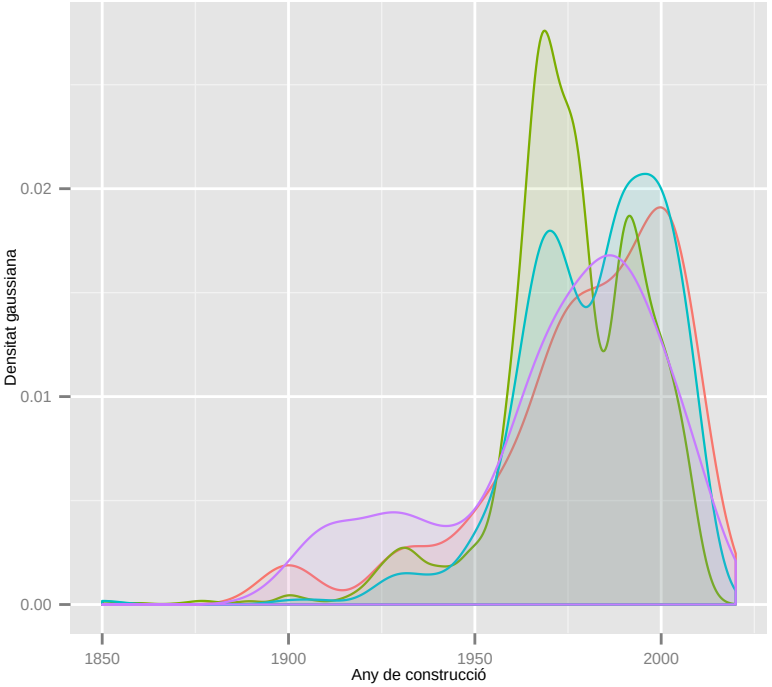


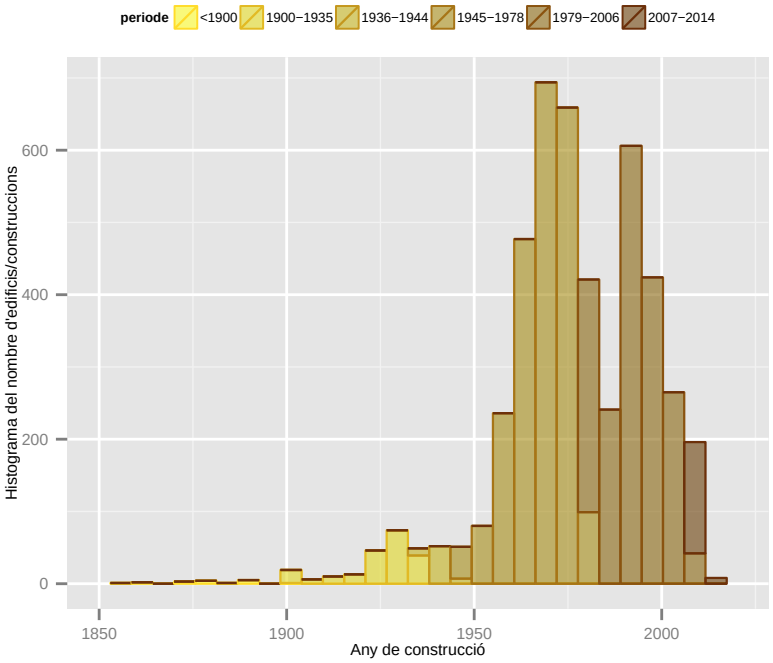


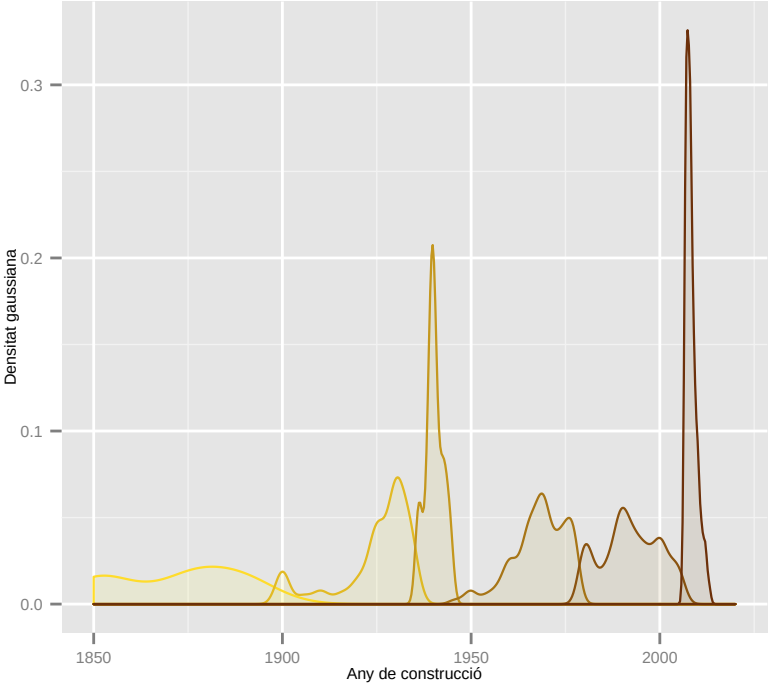
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

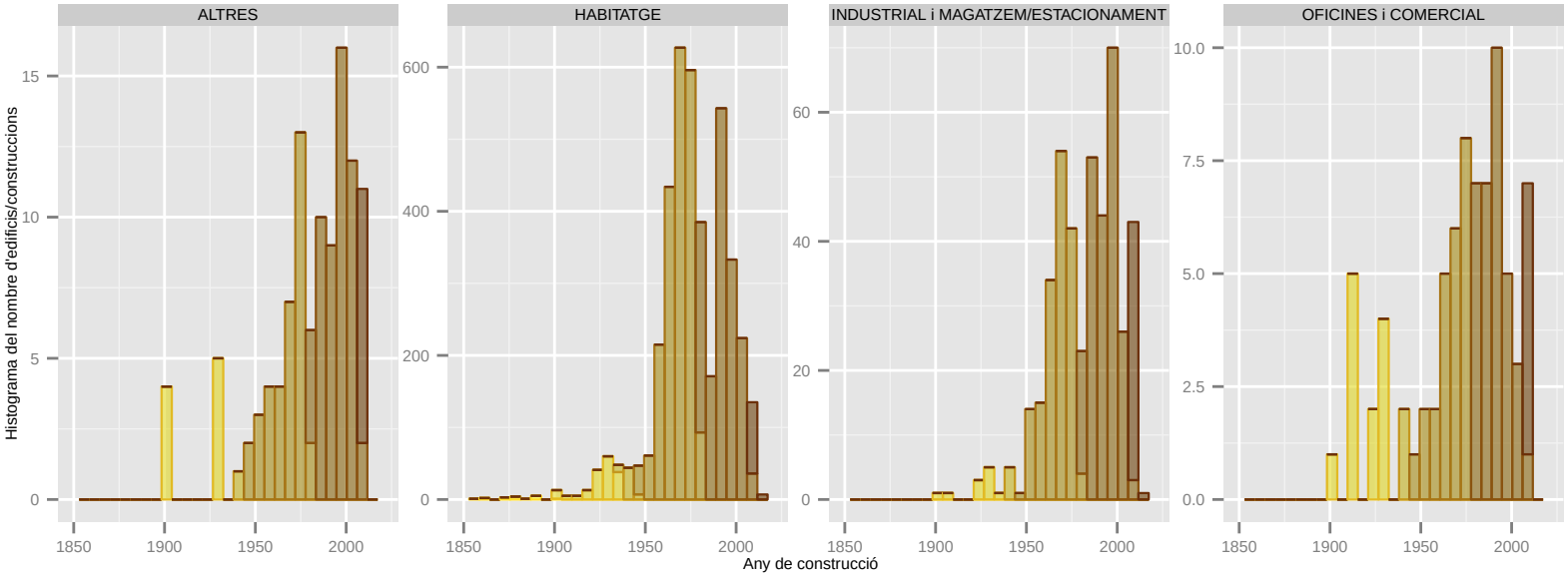
Any de construcció: VILADECANS











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

3. DIMENSIÓ MITJA DE LA VIVENDA

La mida de la vivenda mitjana tipus a l'AMB és de 71,5 m^2. A la gràfica de la pàgina següent es pot veure la distribució de la superfície mitjana de la vivenda. Cal comentar que també s'han tingut en compte les vivendes que poden haver en edificis d'altres usos majoritaris diferents al d'habitatge, com: oficines, comerços, o fins i tot industrial, etc...

En termes individuals, el municipi amb les vivendes més grans és Barberà del Vallès, Castelldefels i Begues amb dimensions mitjanes de 94,5; 94 i 89 m^2/vivenda; per la banda baixa es troba L'Hospitalet de Llobregat amb 59,6 m^2/viv.

Incidència en el consum d'energia:

La dimensió de l'habitatge és un paràmetres que està molt correlacionat amb el consum energètic. Així vivendes grans acostumen a tenir una major demanda de calefacció/refrigeració així com d'il·luminació.

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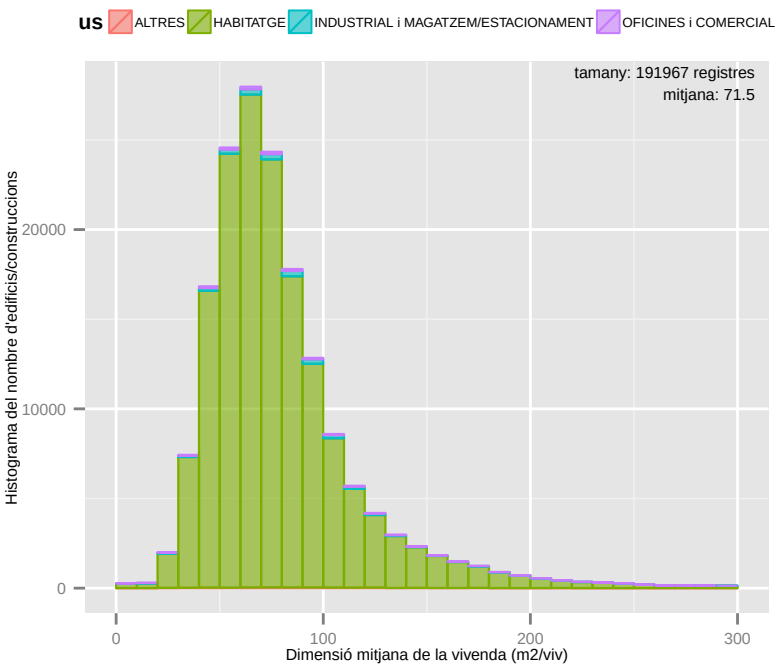
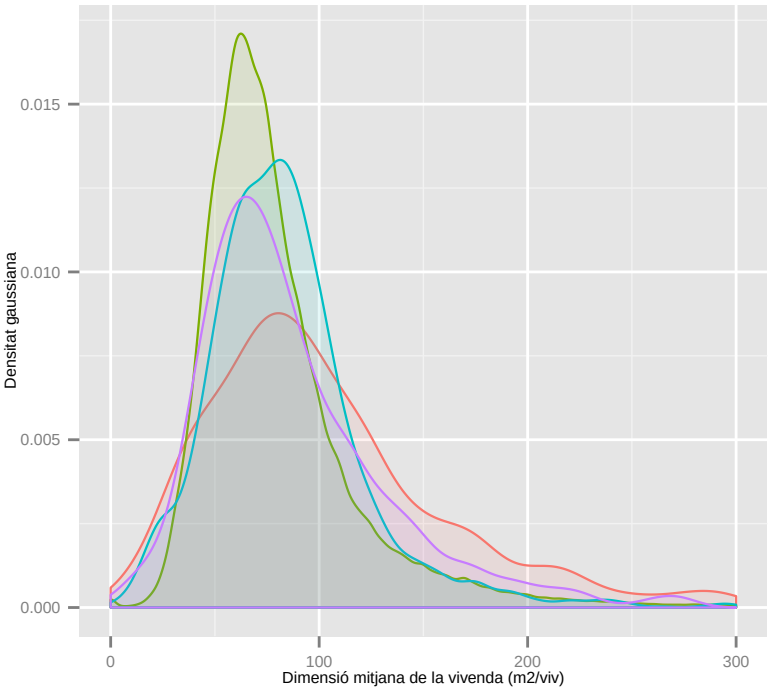
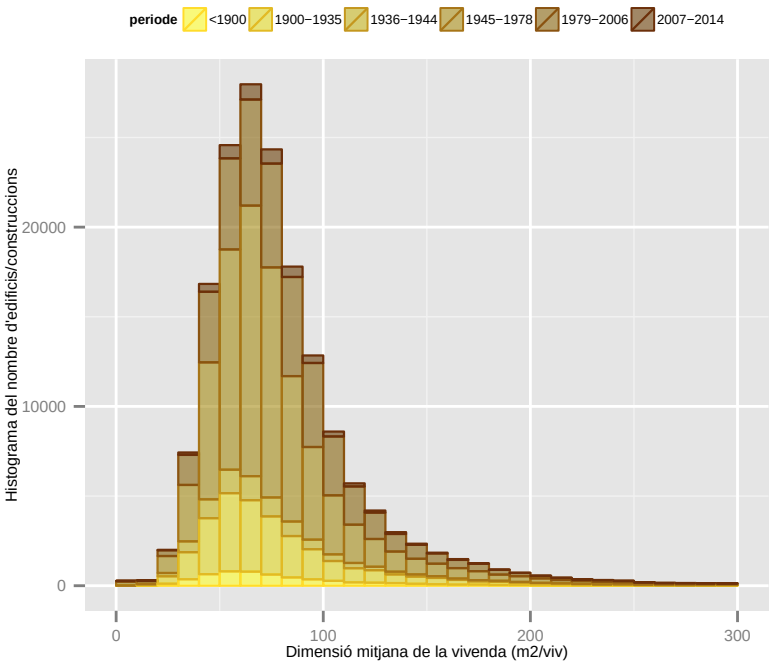
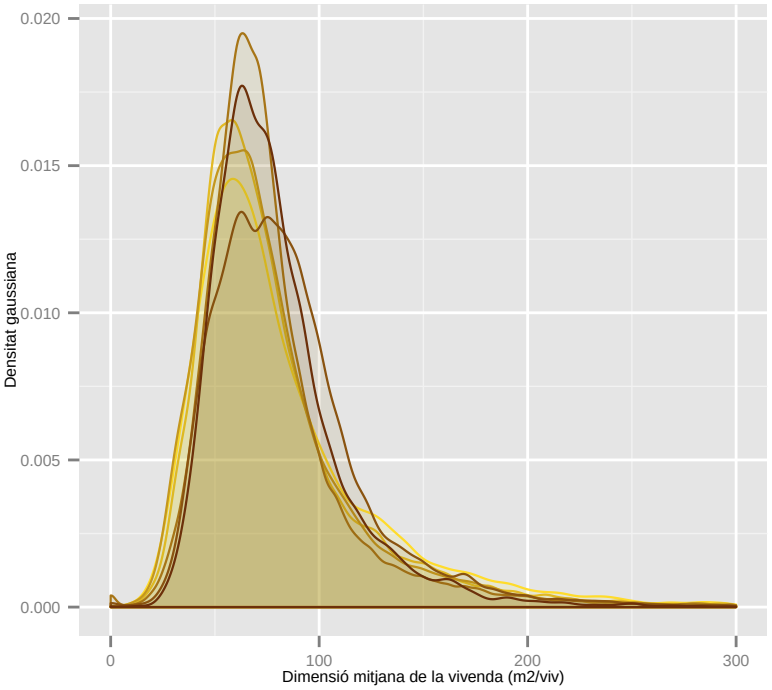
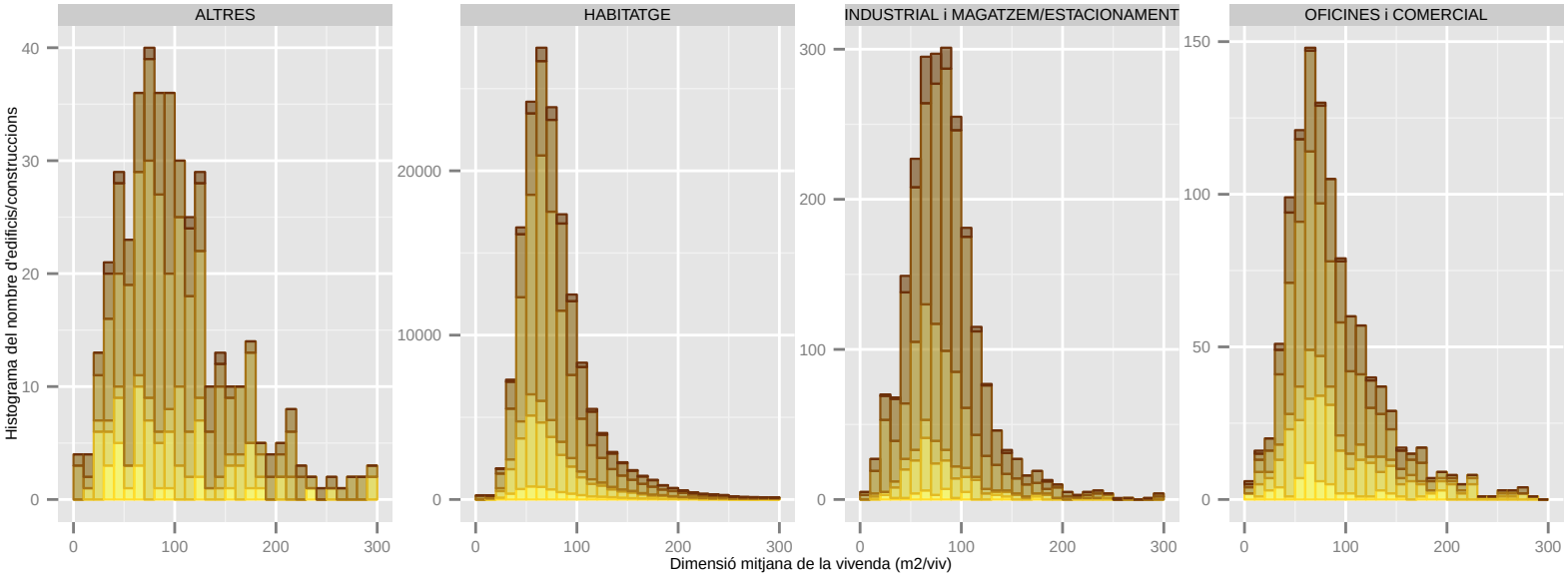
Dimensió mitjana de la vivenda (m2/viv): AMB











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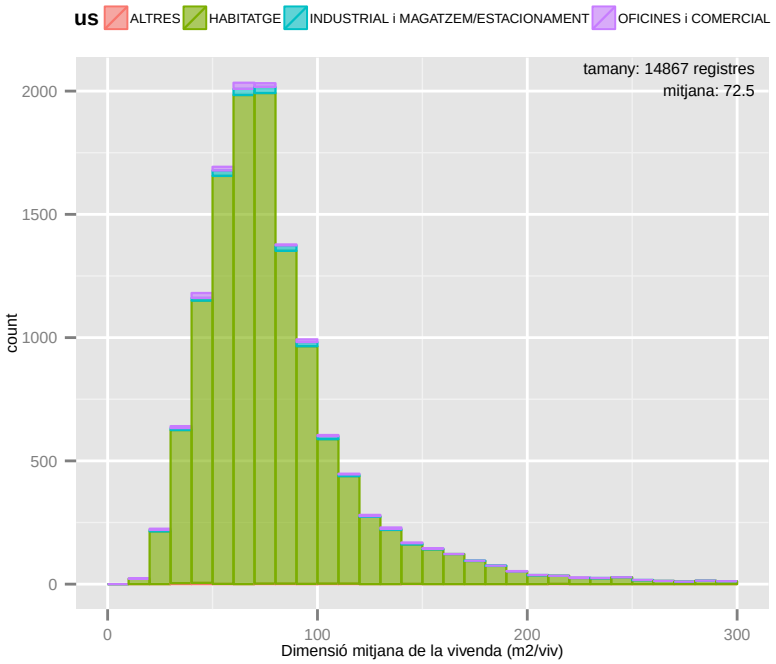
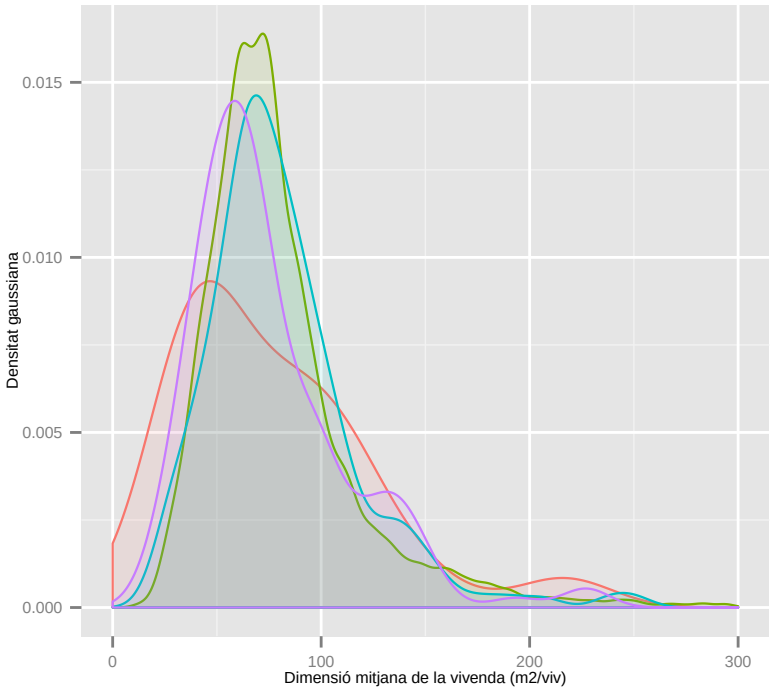
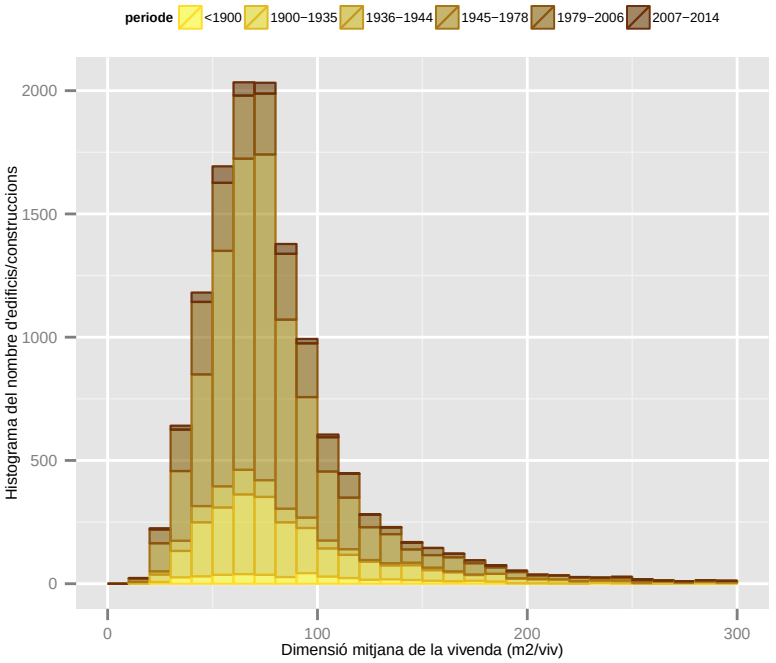
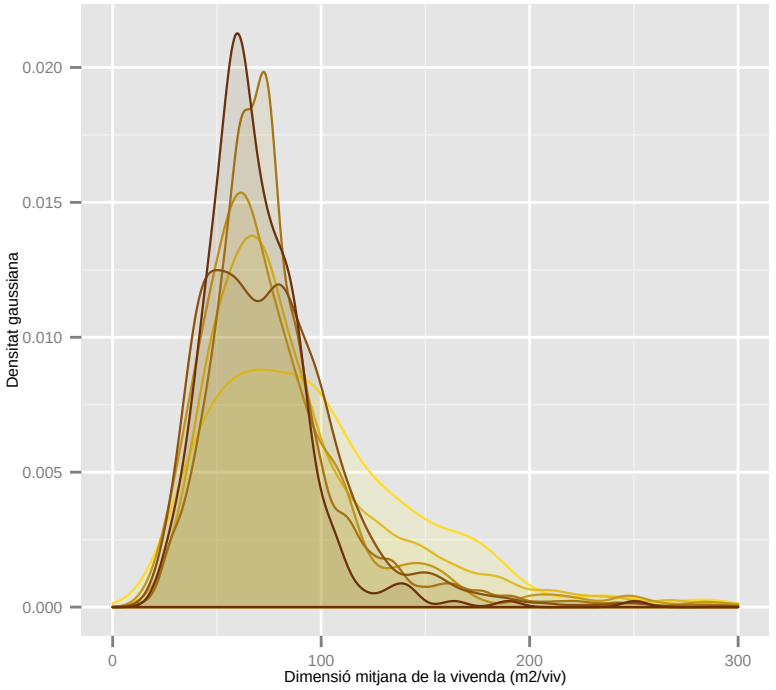
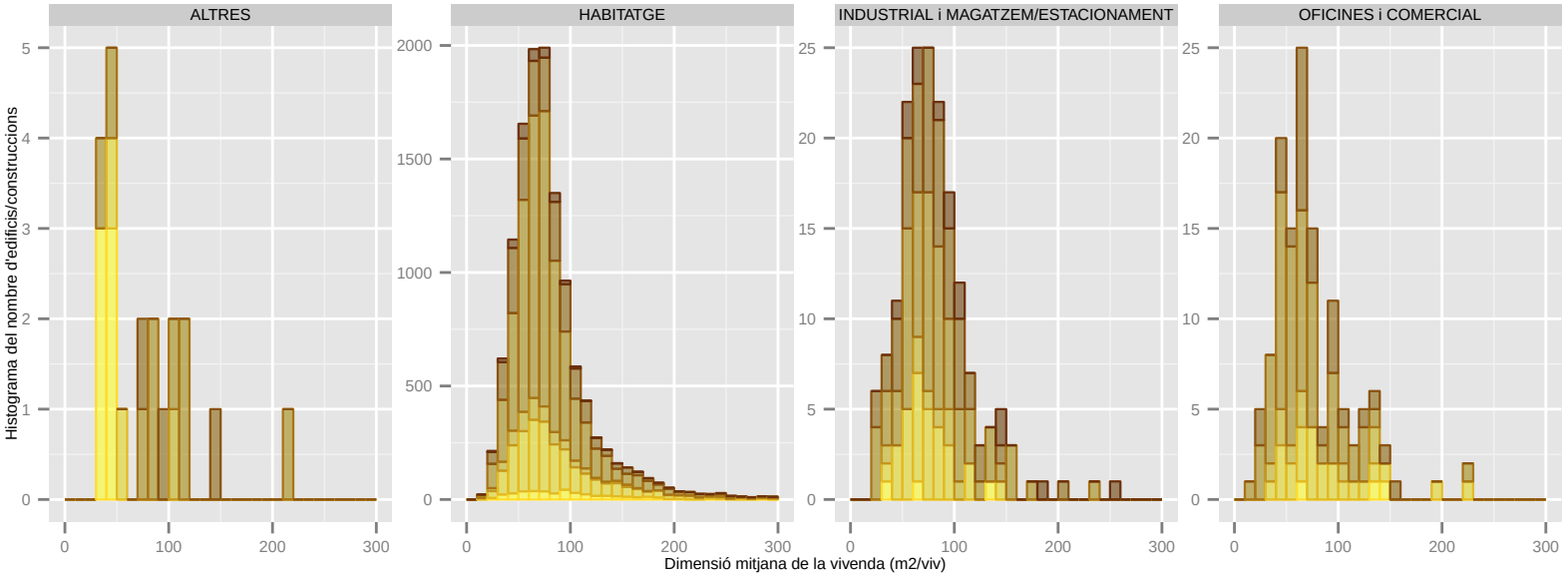
Dimensió mitjana de la vivenda (m2/viv): BADALONA





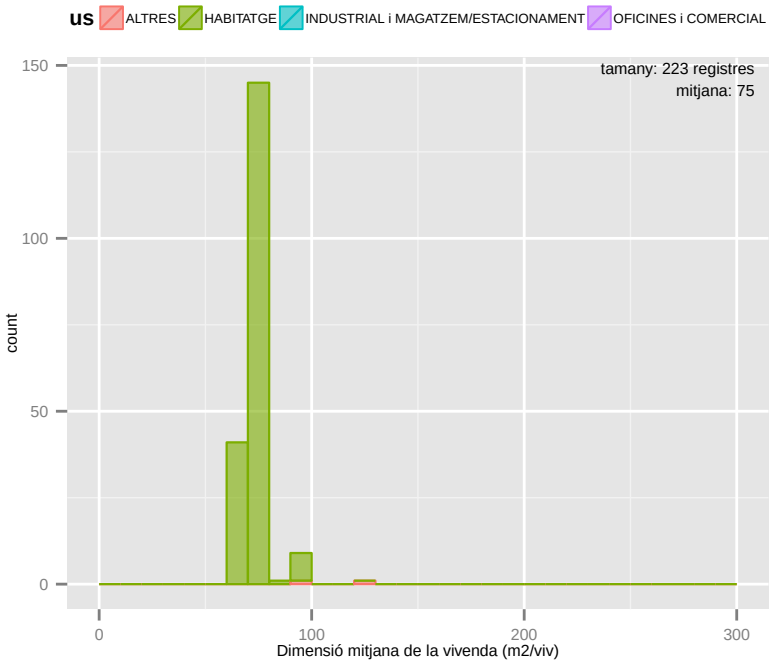


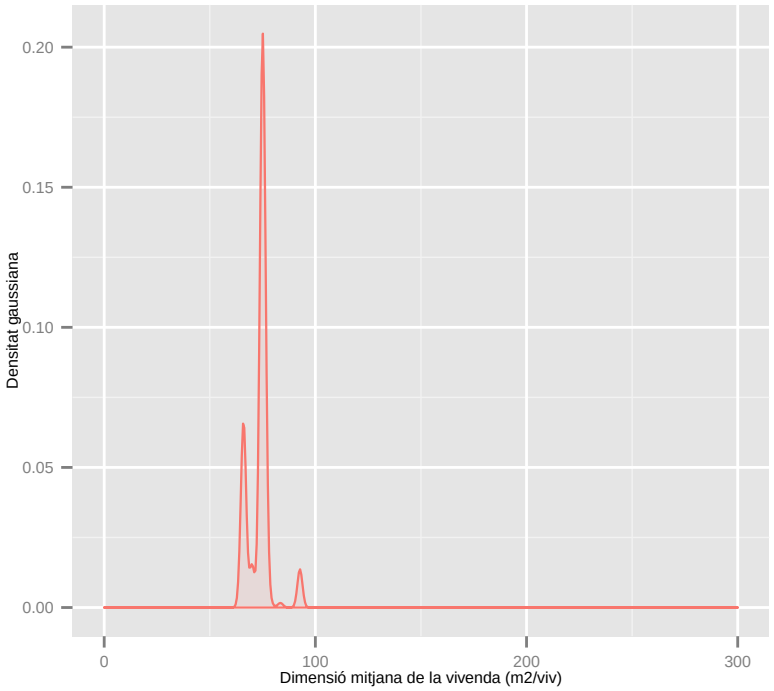


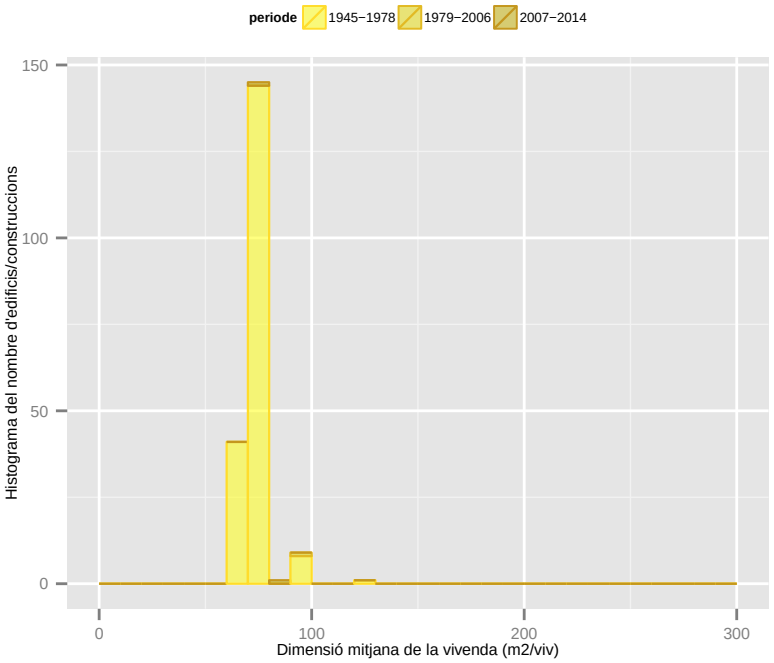


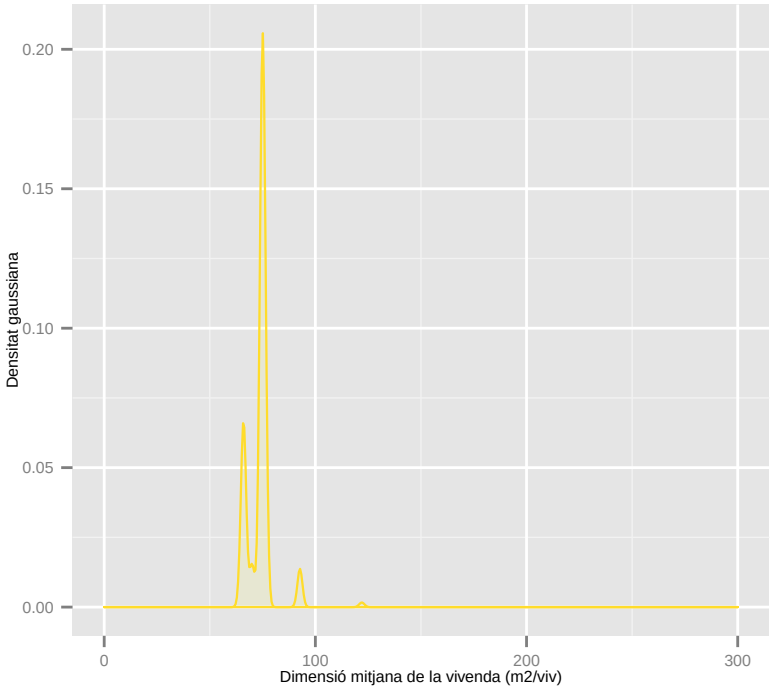
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

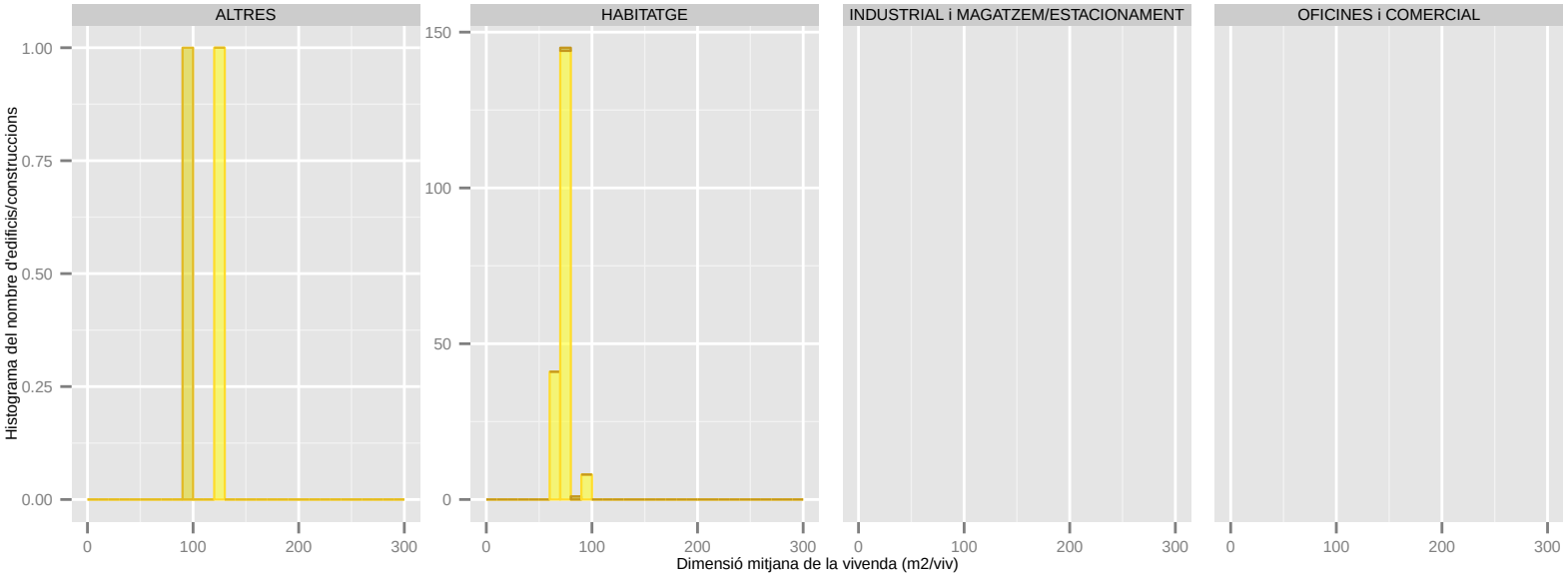
Dimensió mitjana de la vivenda (m2/viv): BADIA DEL VALLES





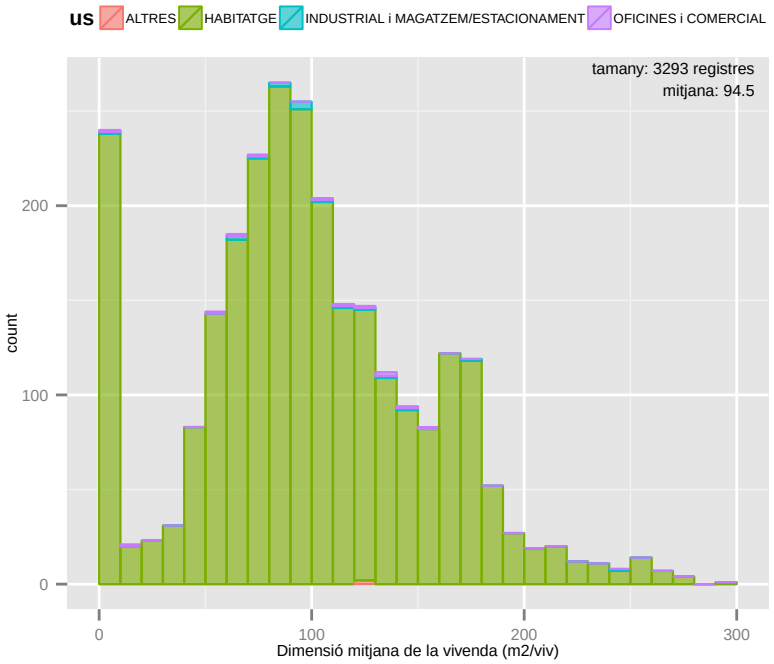


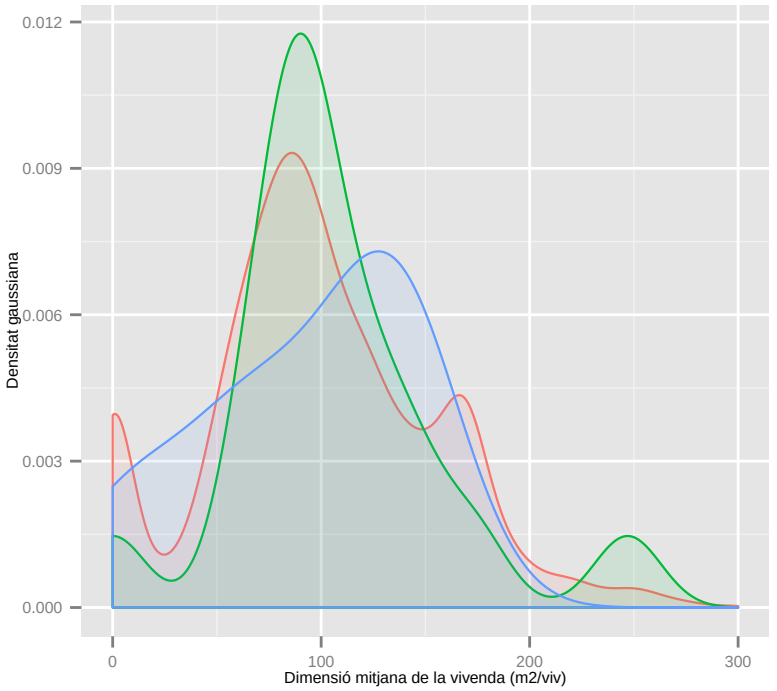


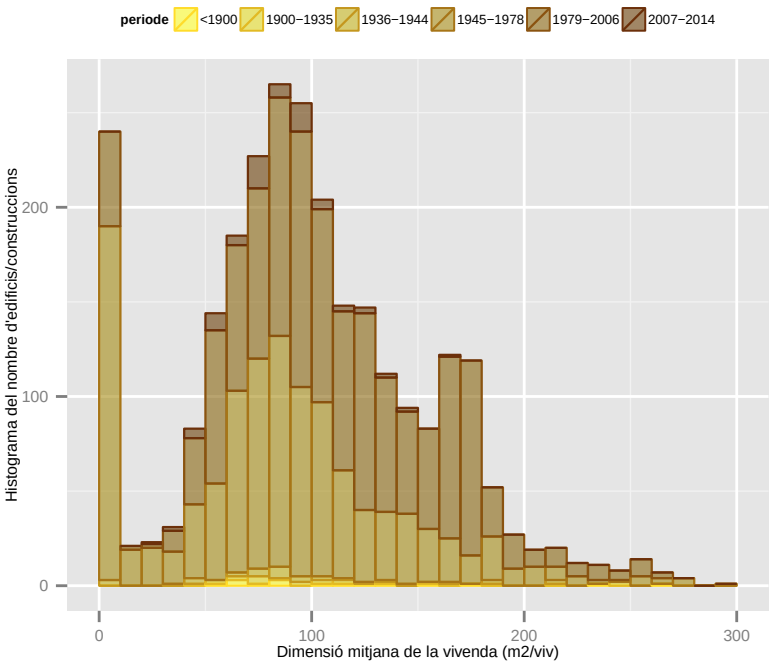


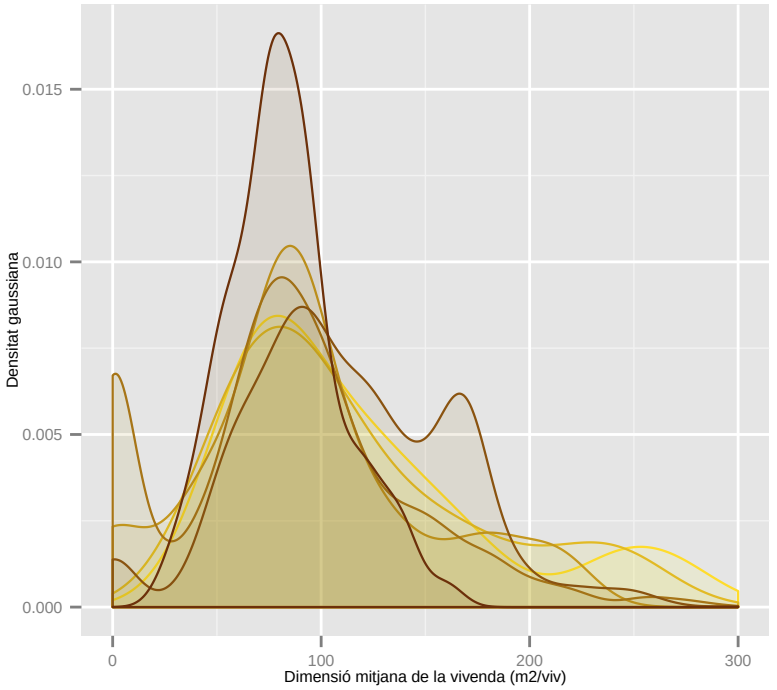
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

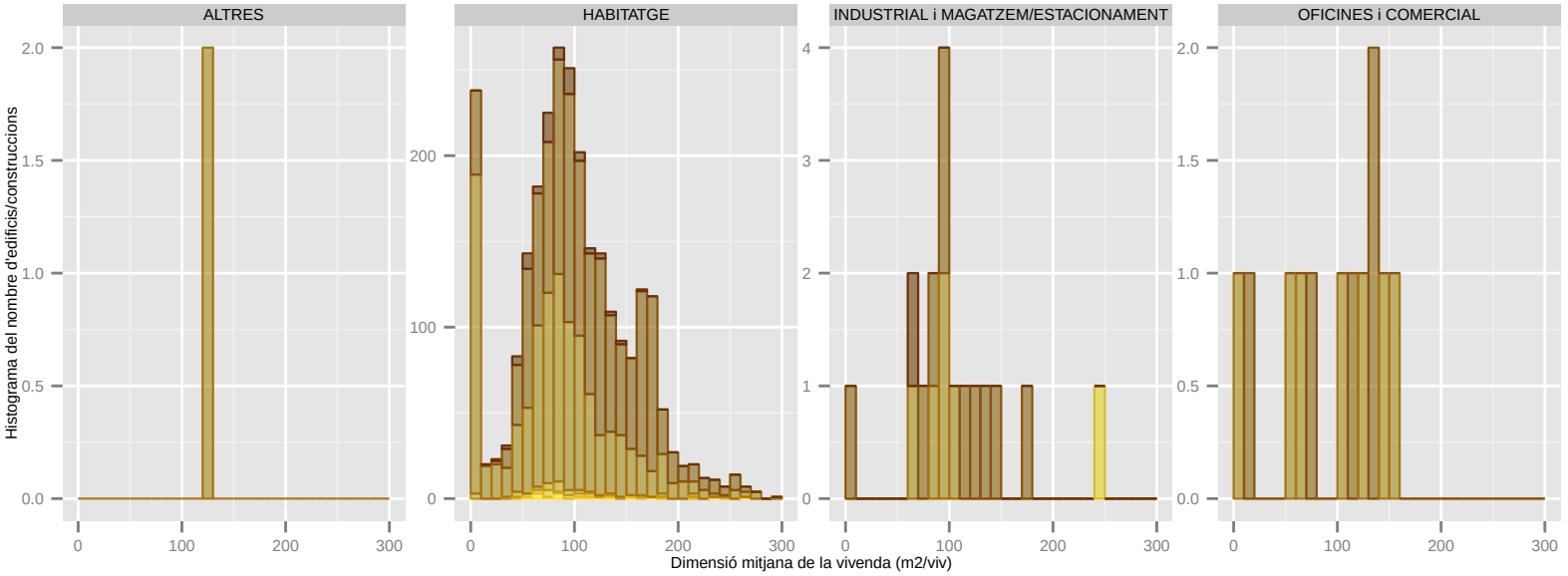
Dimensió mitjana de la vivenda (m2/viv): BARBERA DEL VALLES





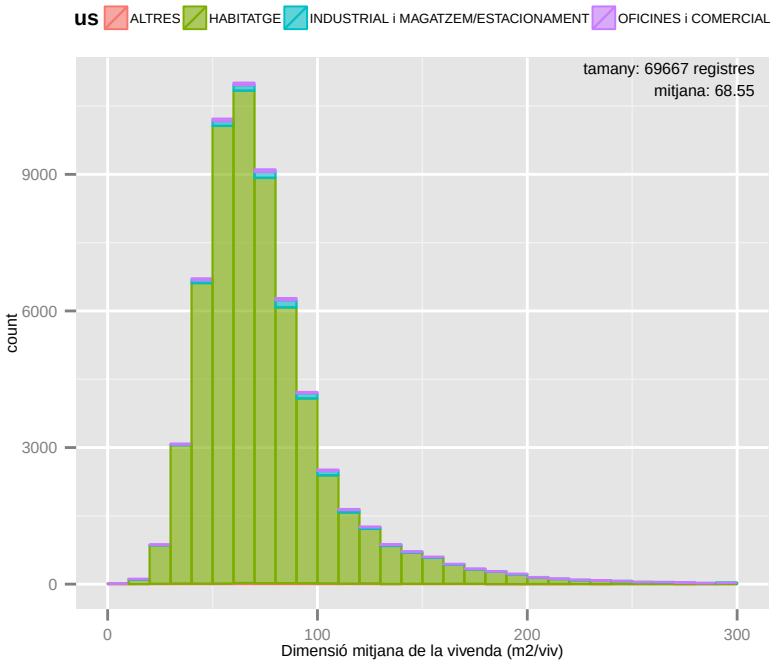


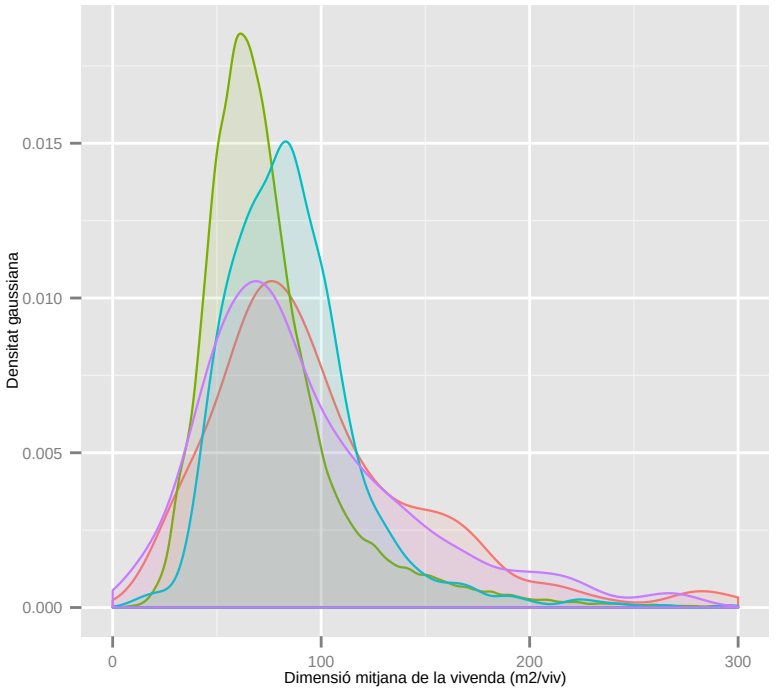


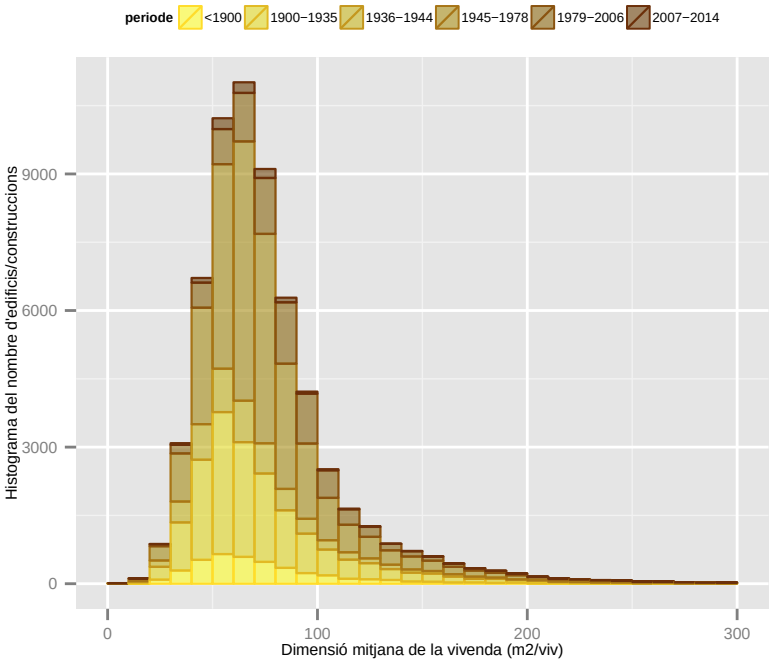


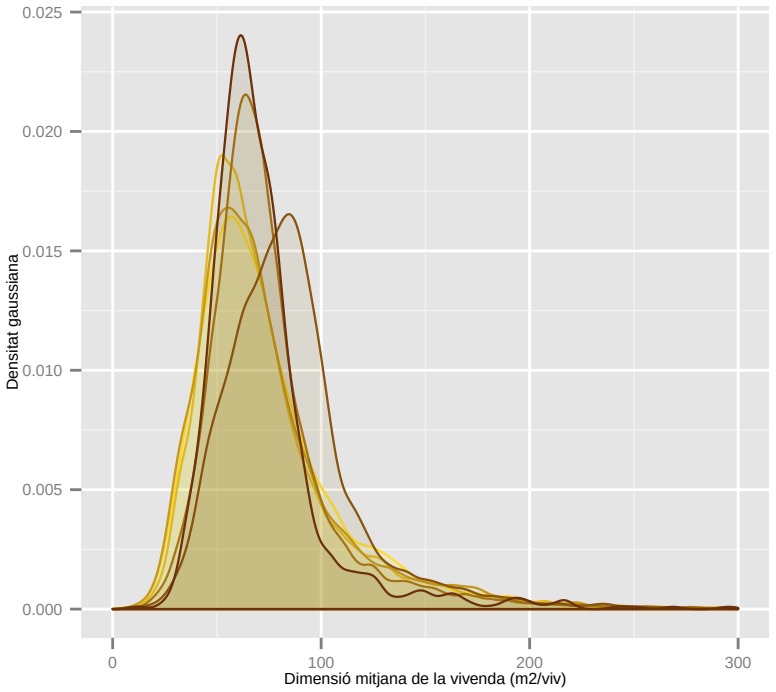
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

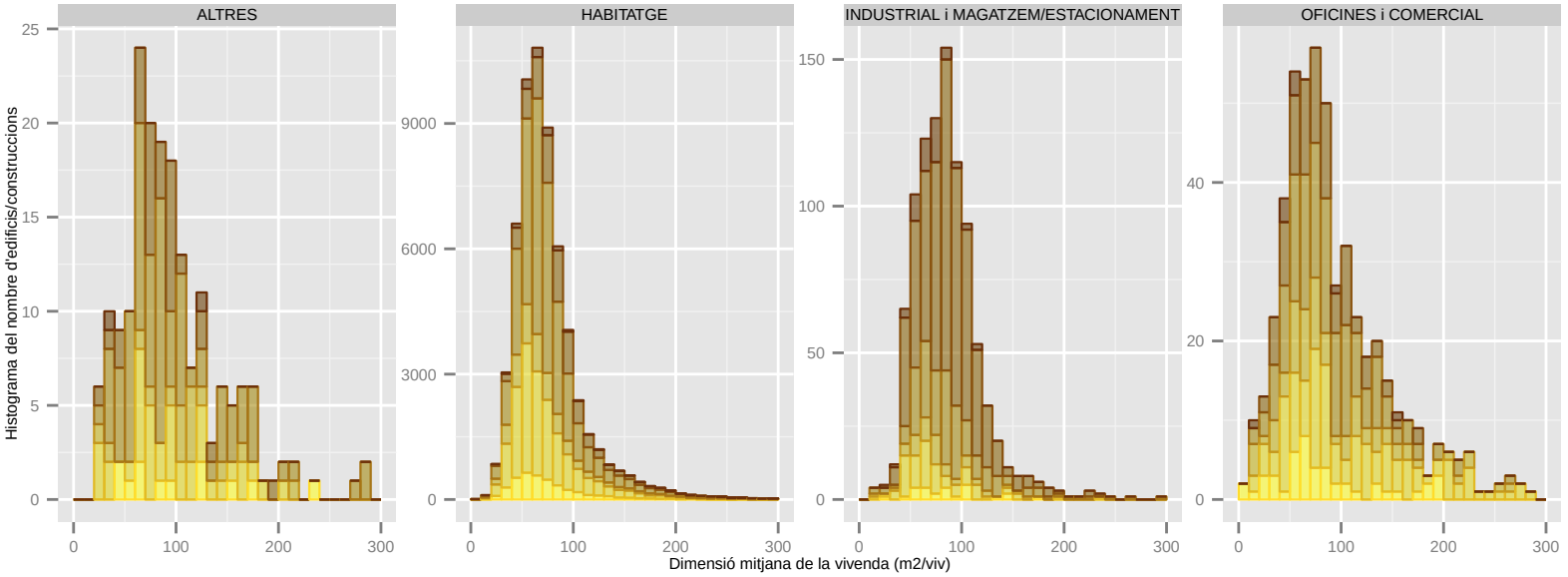
Dimensió mitjana de la vivenda (m2/viv): BARCELONA





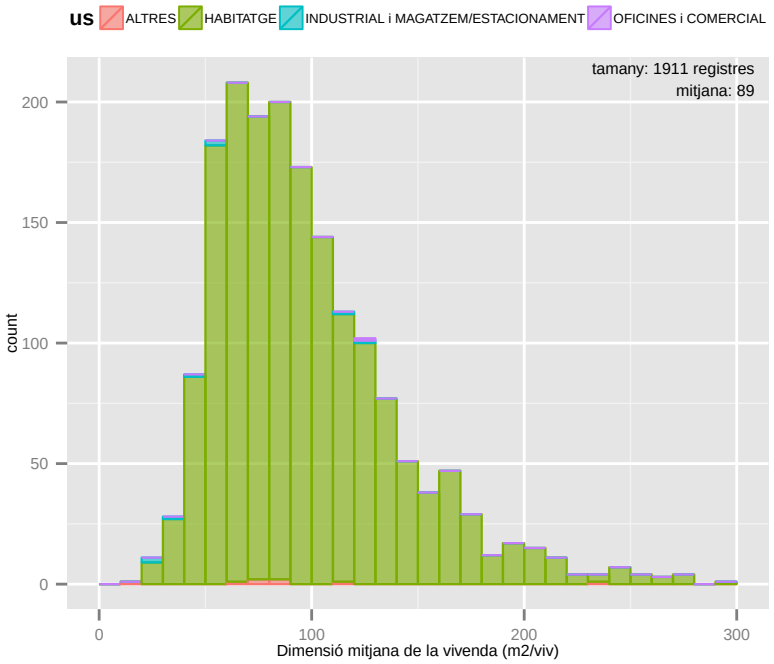


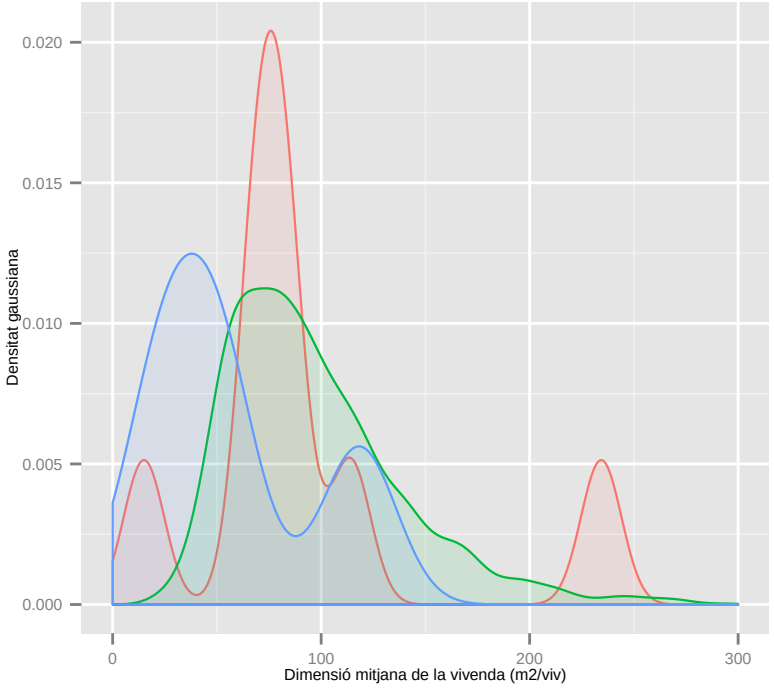


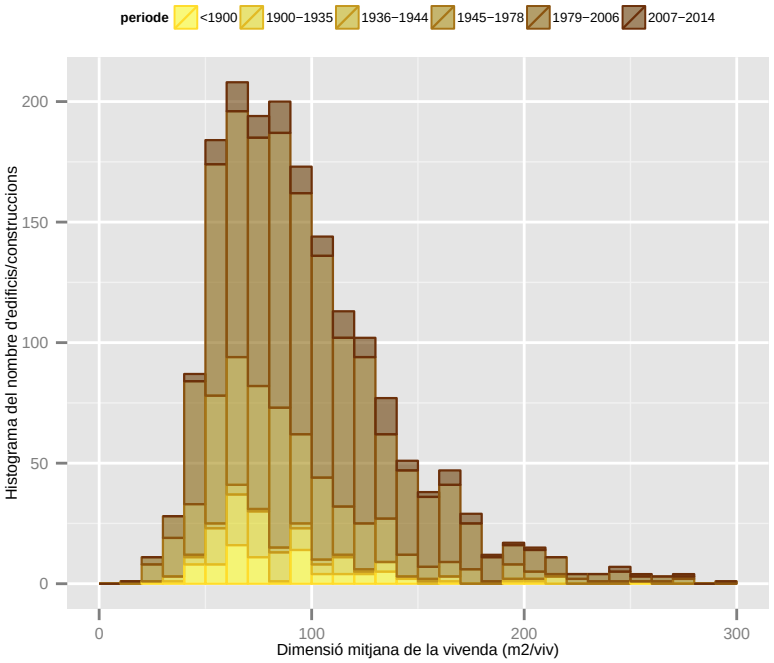


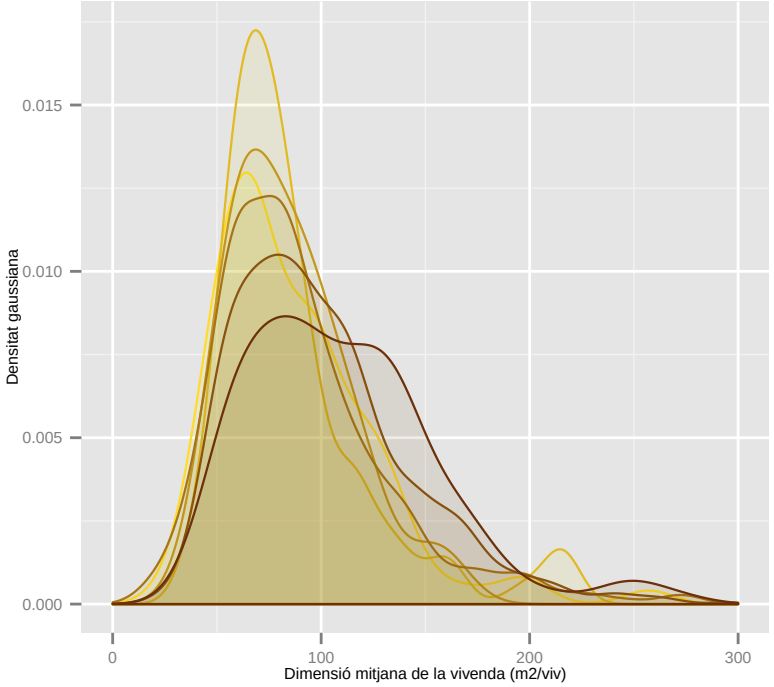
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

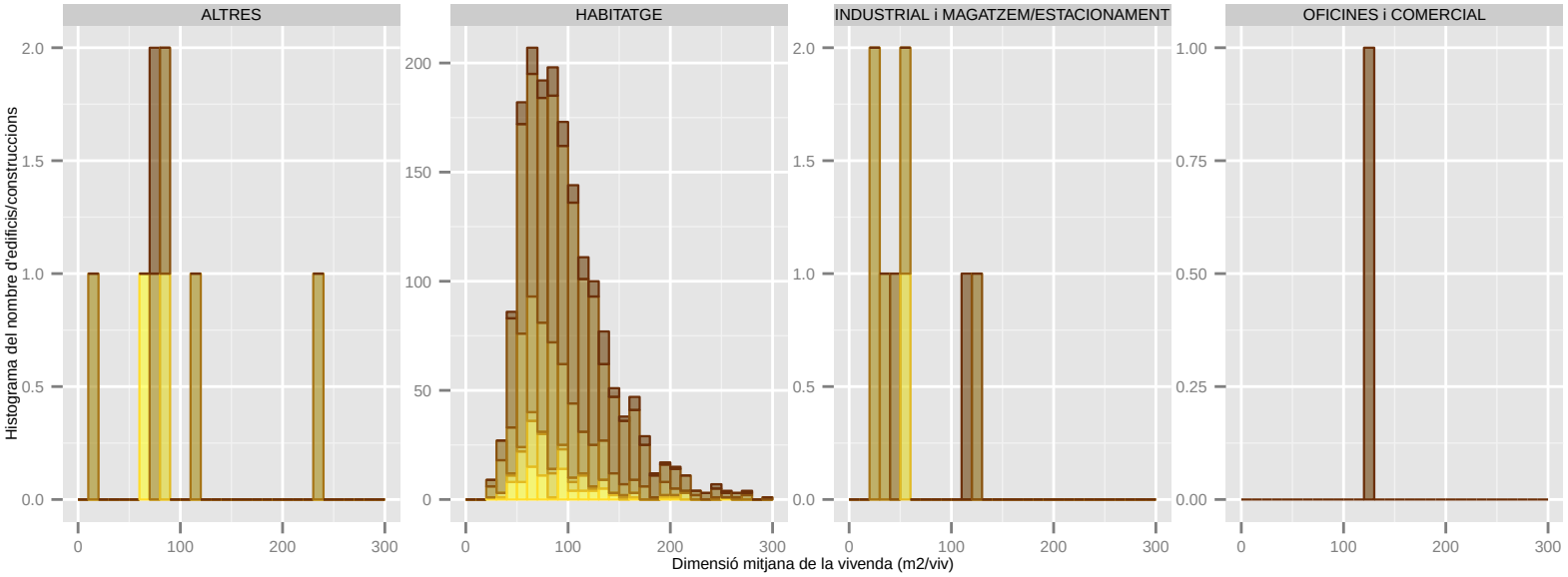
Dimensió mitjana de la vivenda (m2/viv): BEGUES





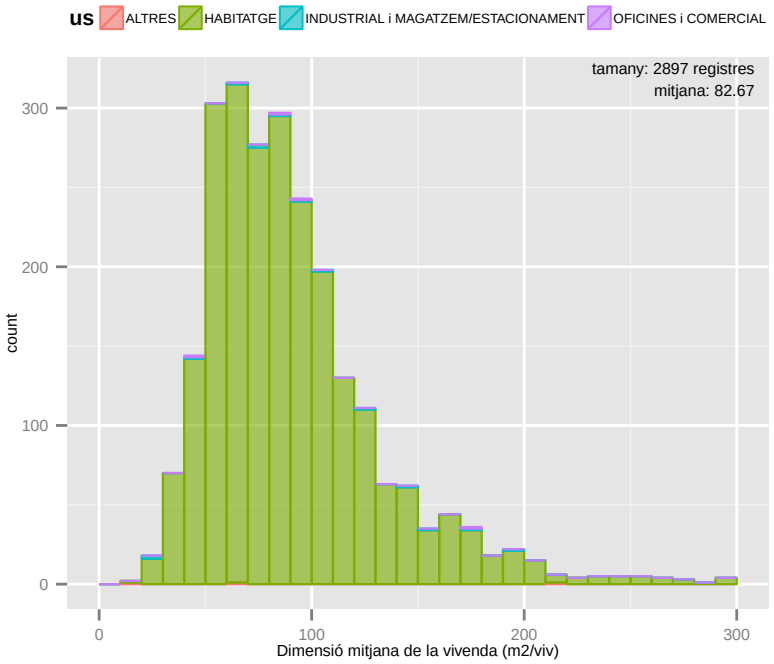


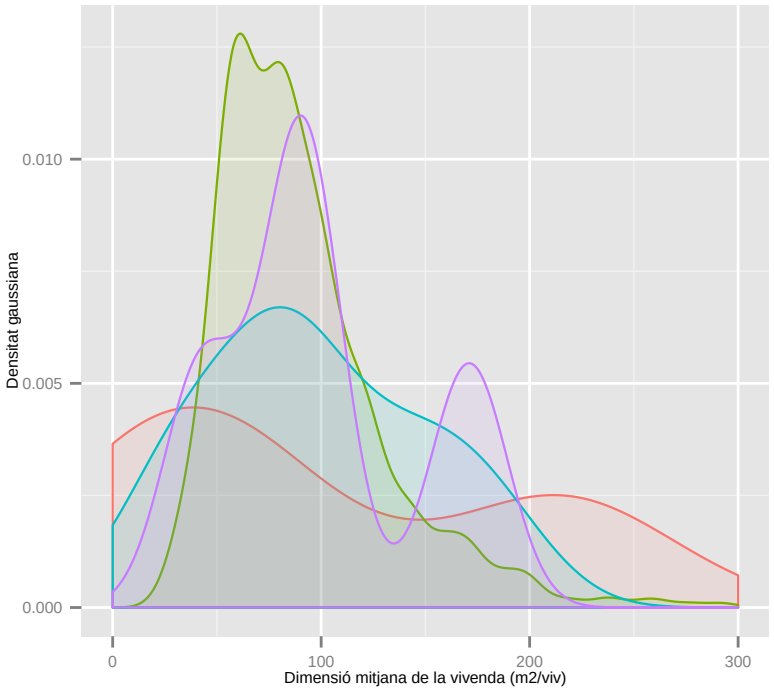


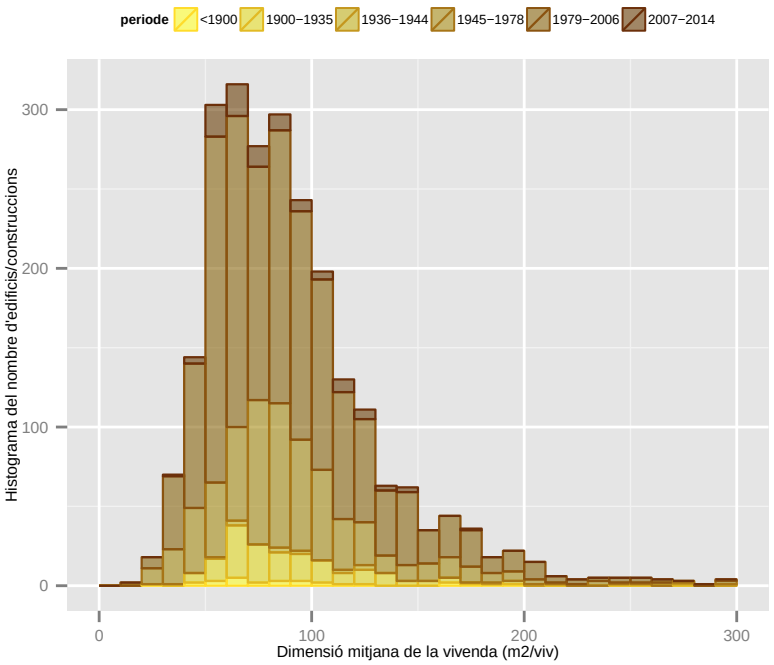


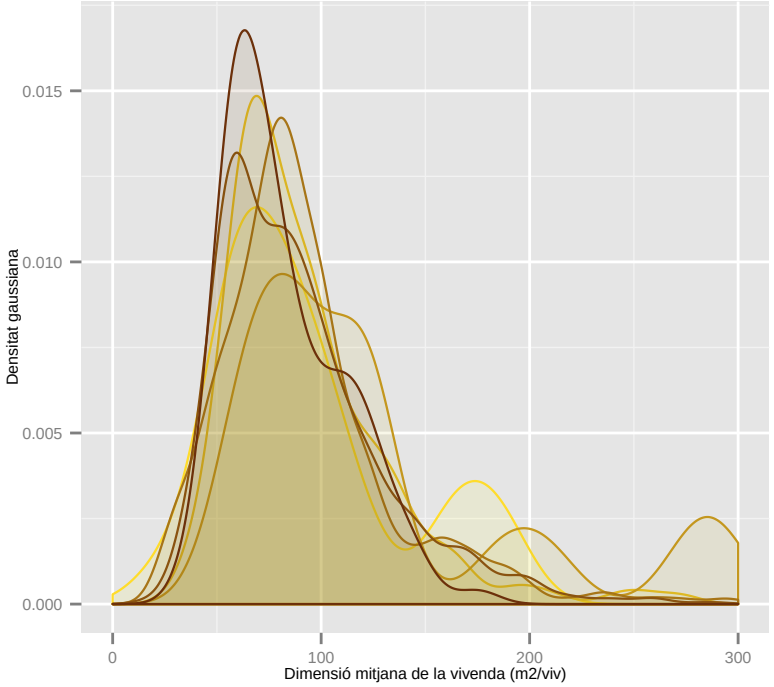
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

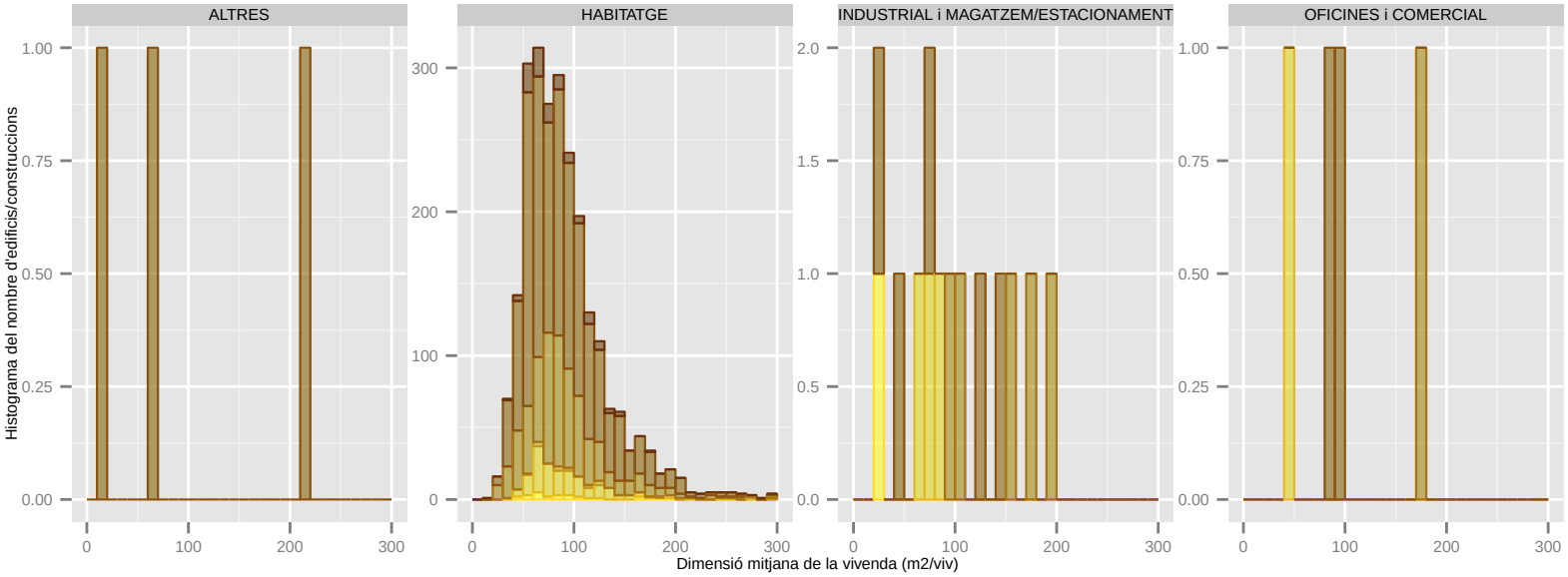
Dimensió mitjana de la vivenda (m2/viv): CASTELLBISBAL





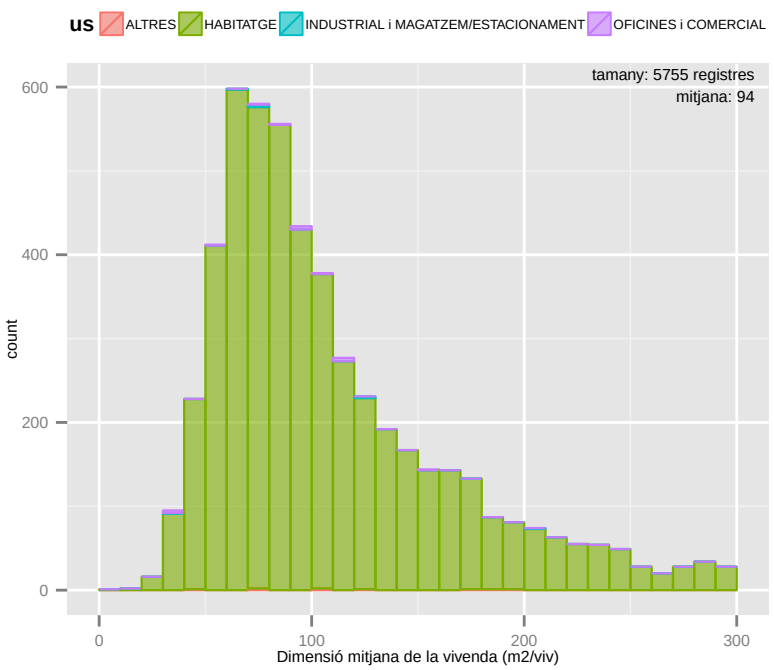


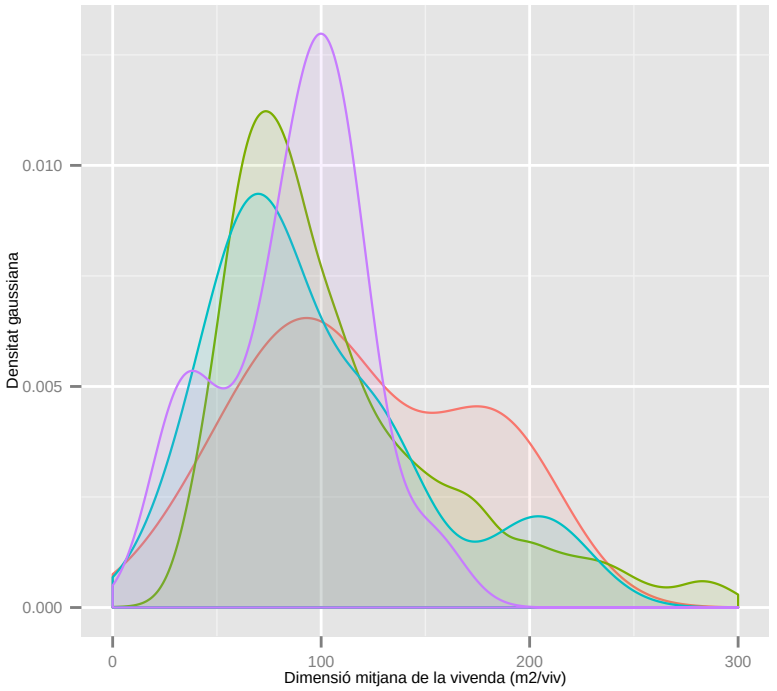


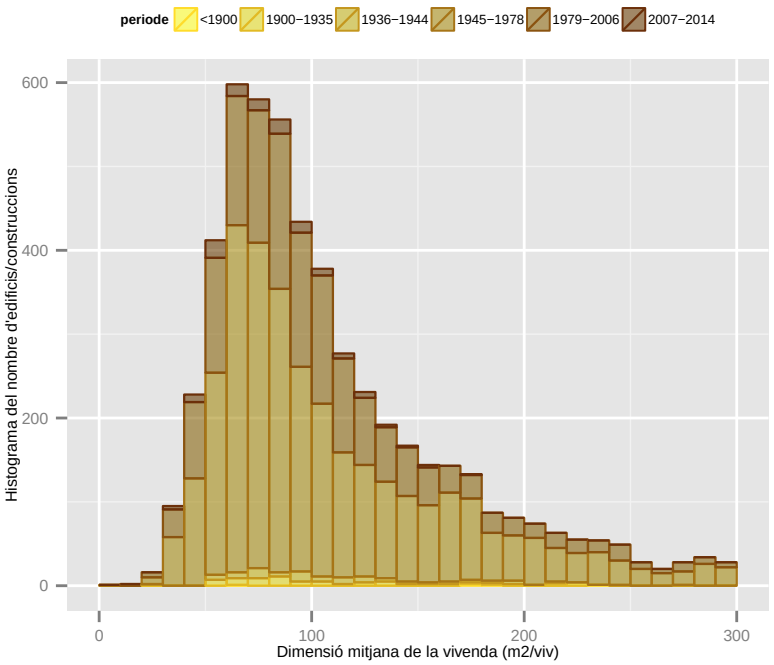


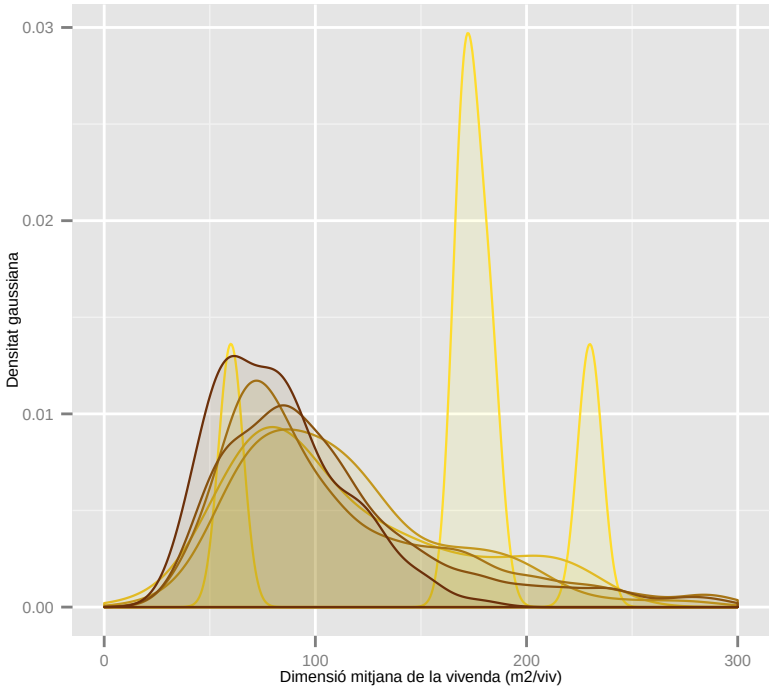
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

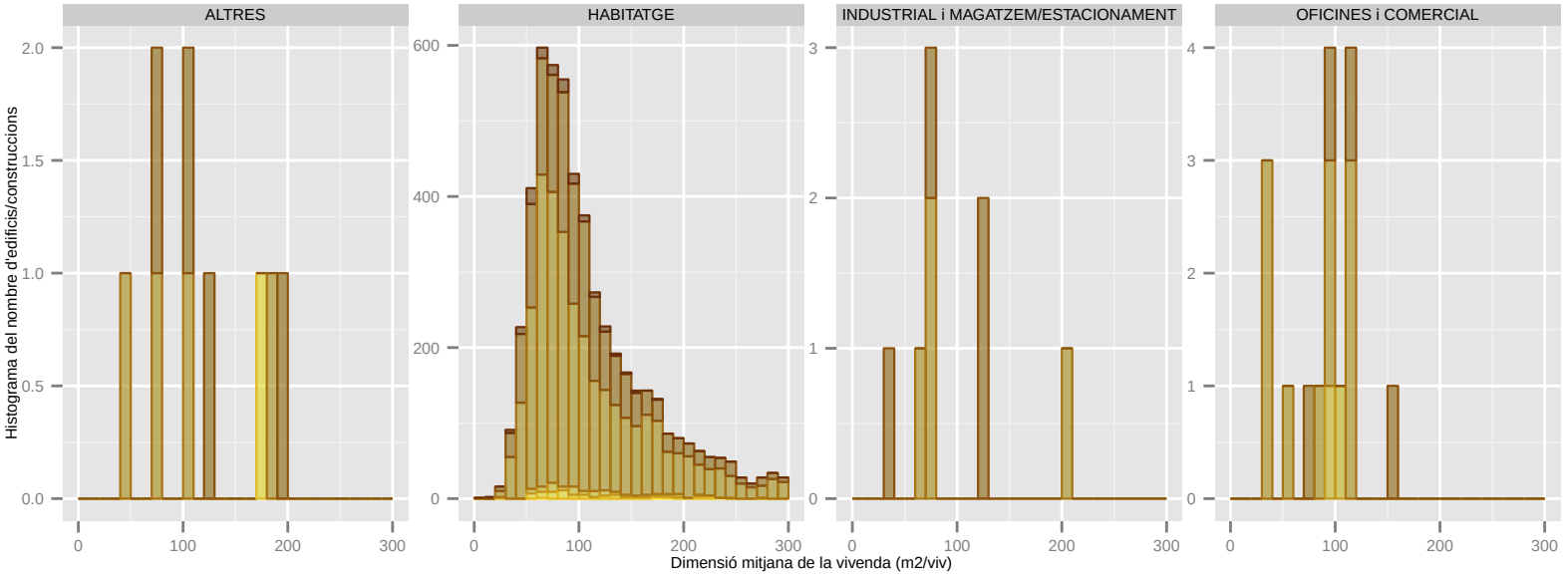
Dimensió mitjana de la vivenda (m2/viv): CASTELLDEFELS





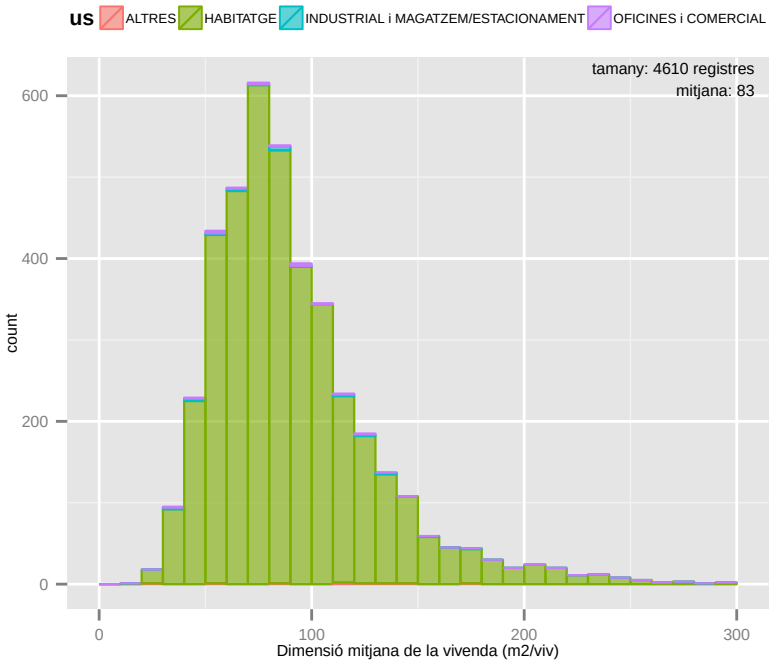


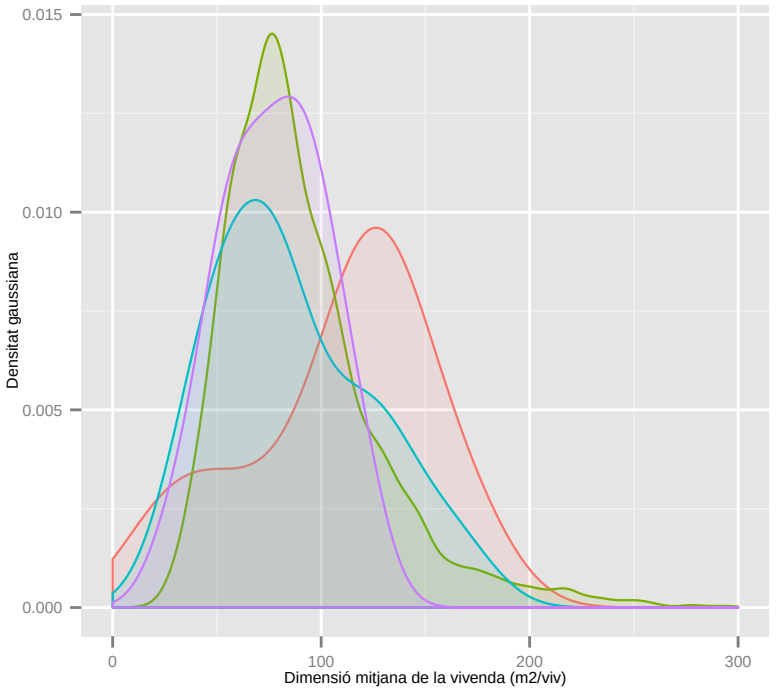


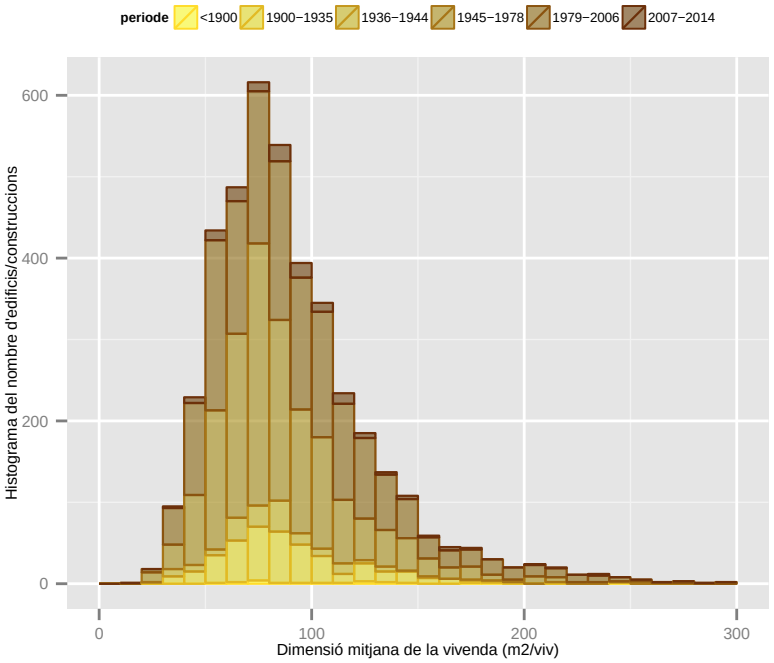


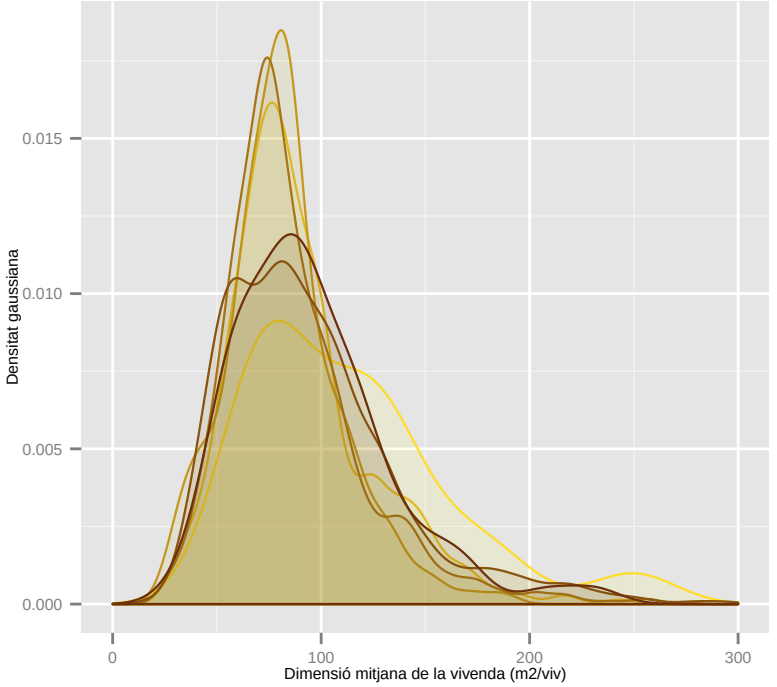
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

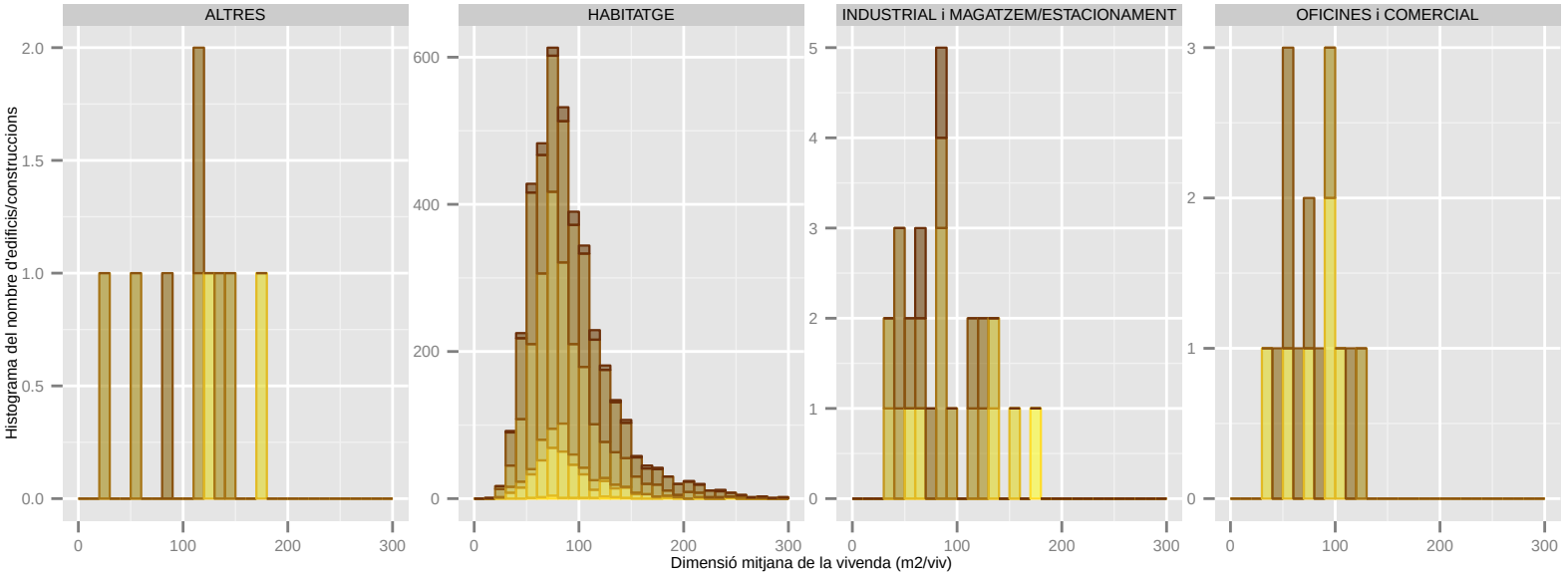
Dimensió mitjana de la vivenda (m2/viv): CERDANYOLA DEL VALLES





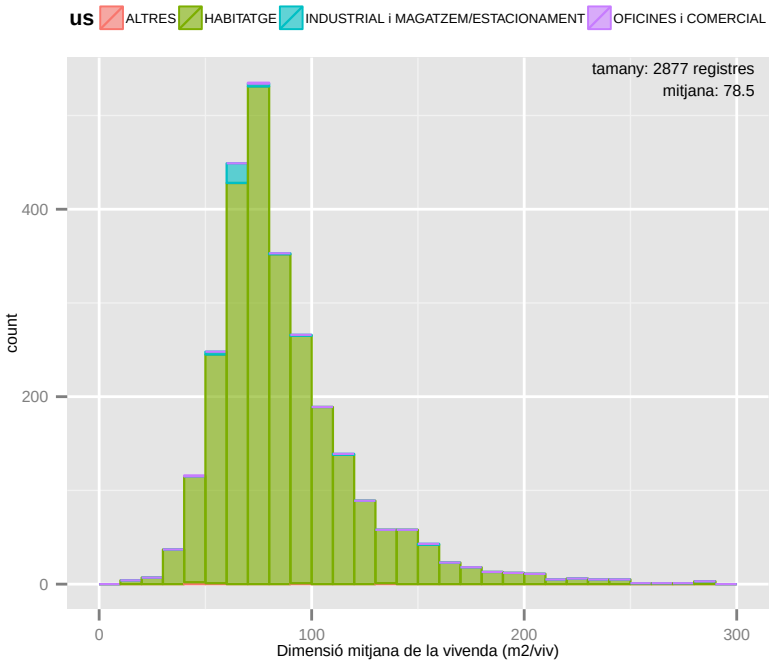


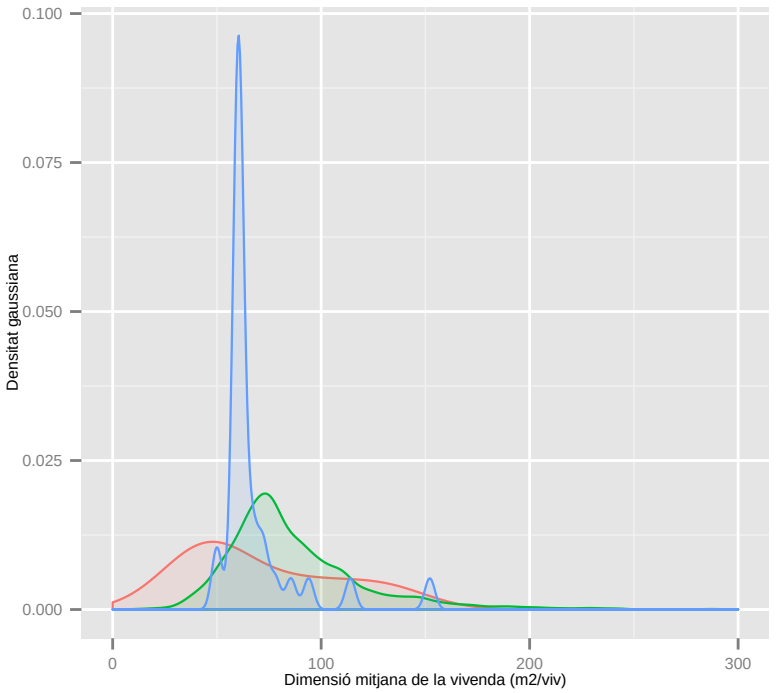


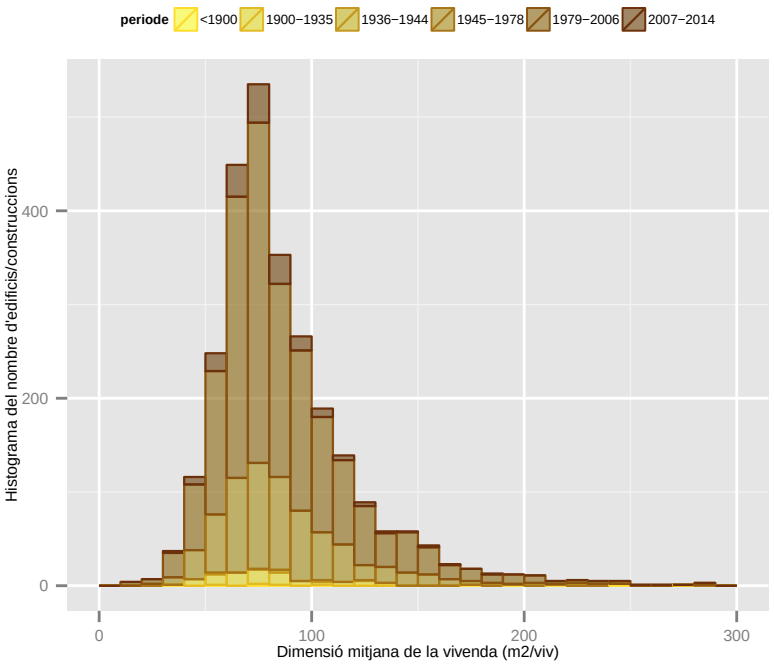


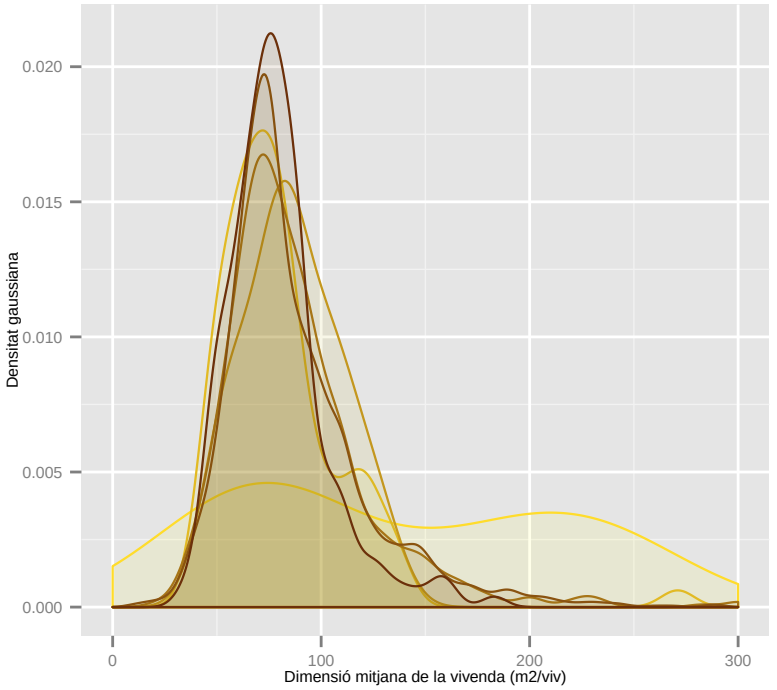
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

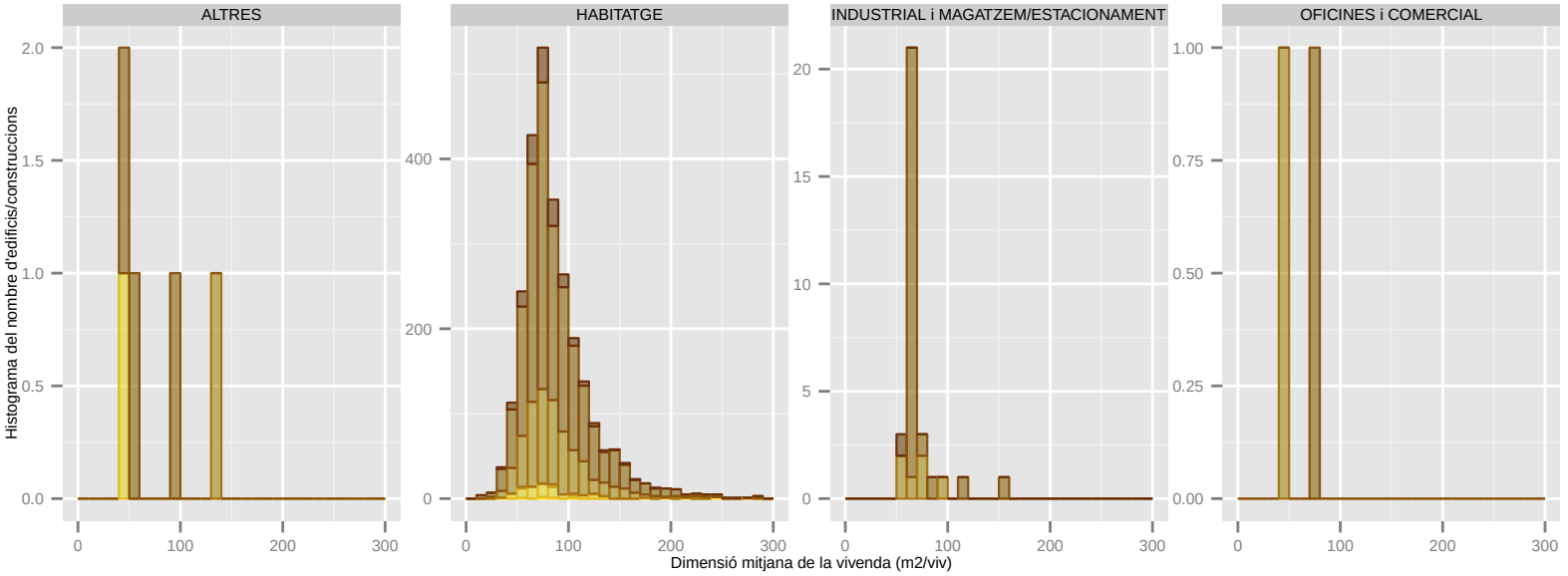
Dimensió mitjana de la vivenda (m2/viv): CERVELLO





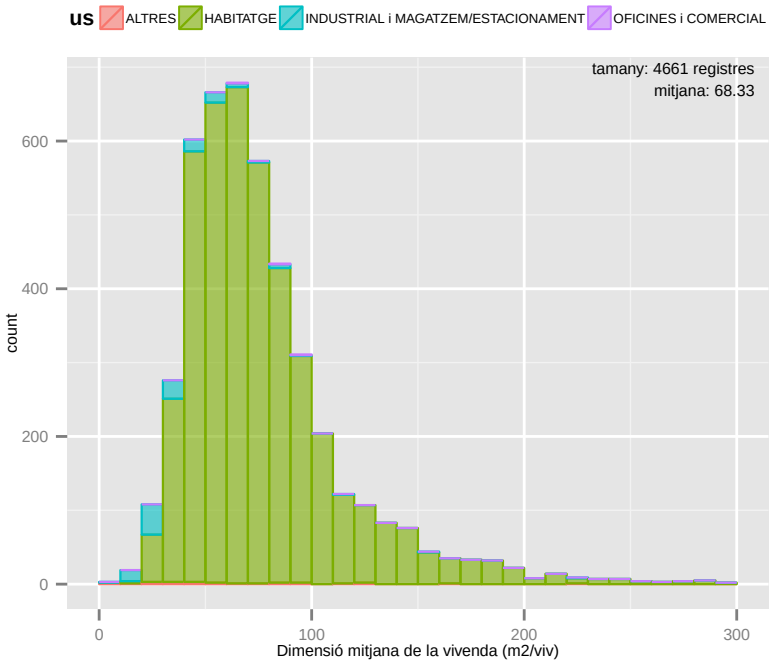


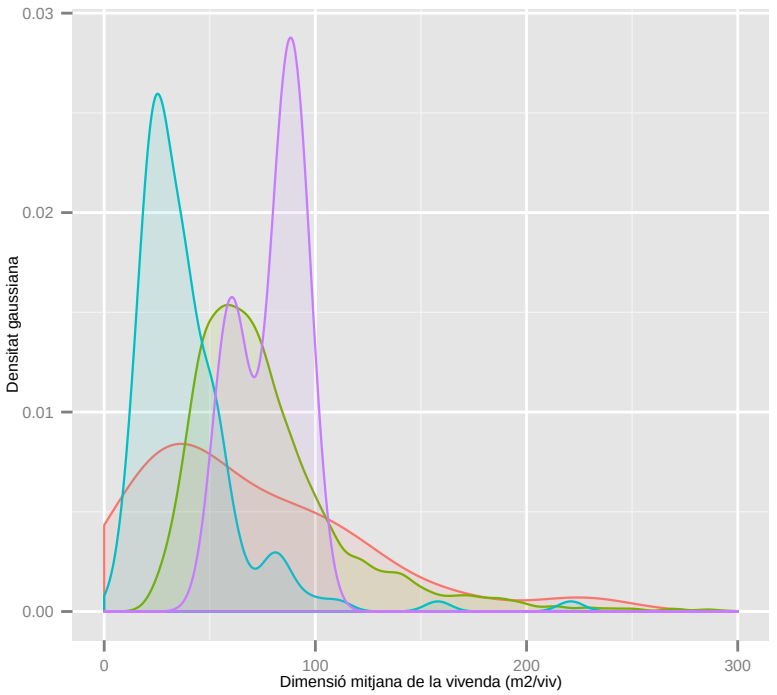


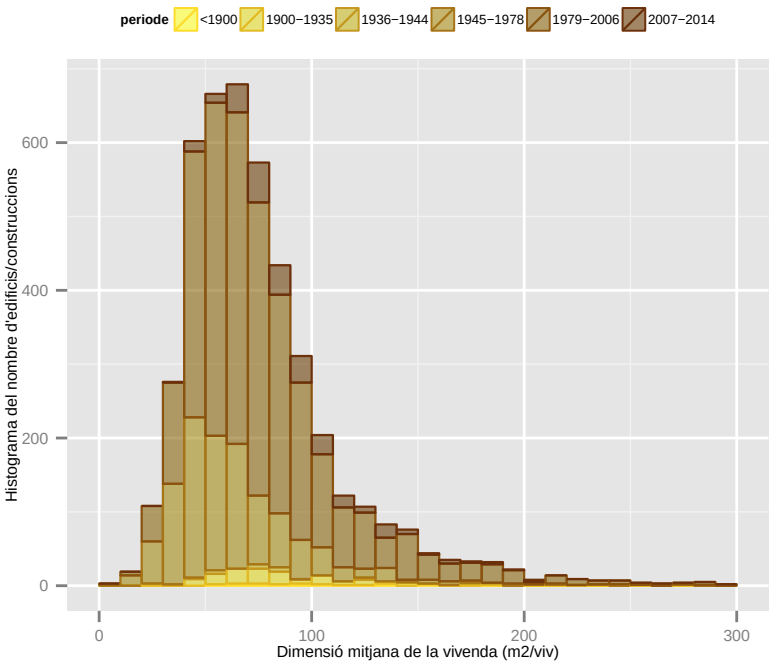


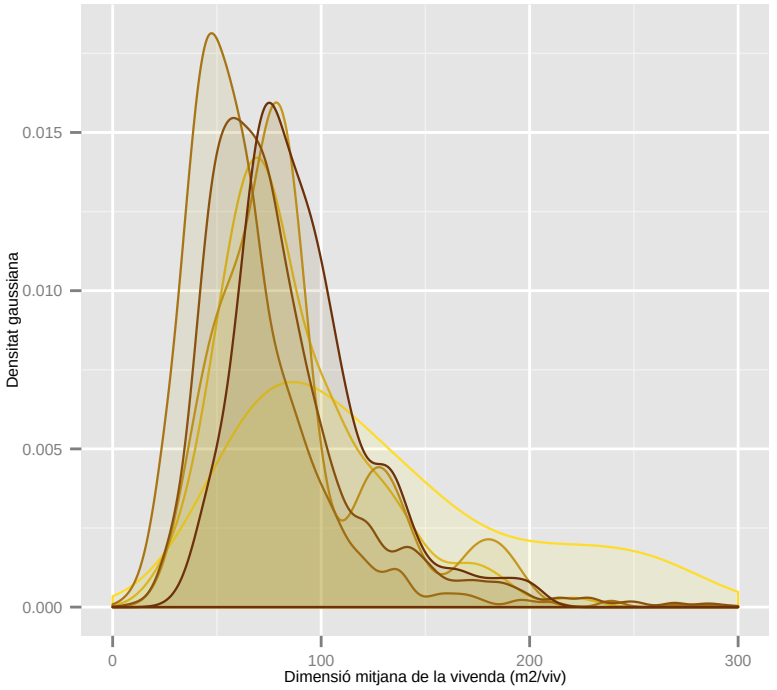
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

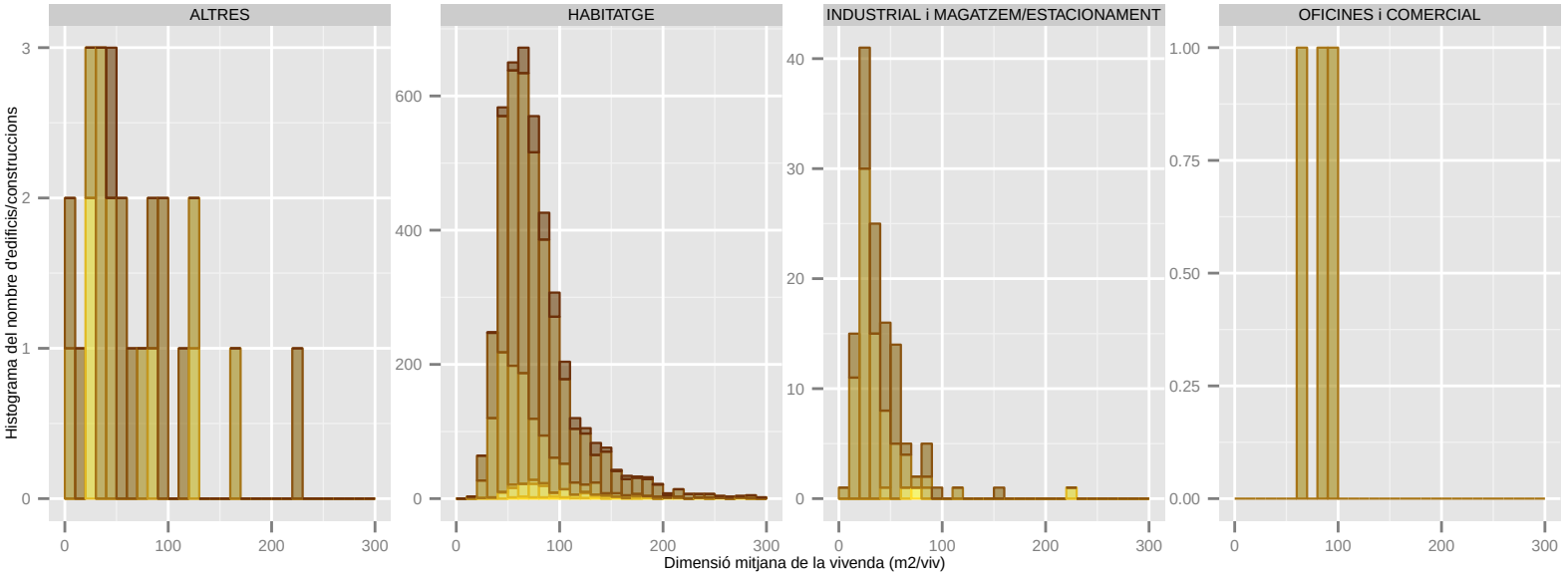
Dimensió mitjana de la vivenda (m2/viv): CORBERA DE LLOBREGAT





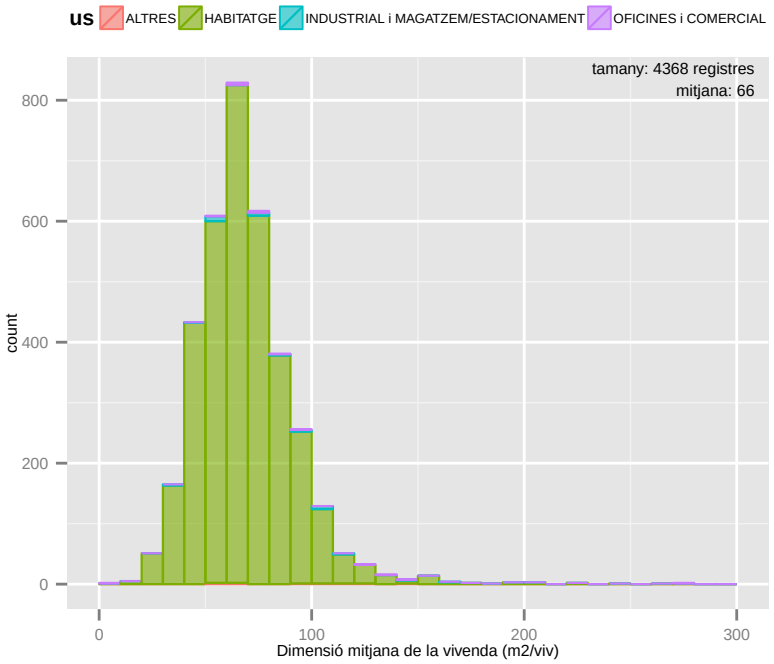


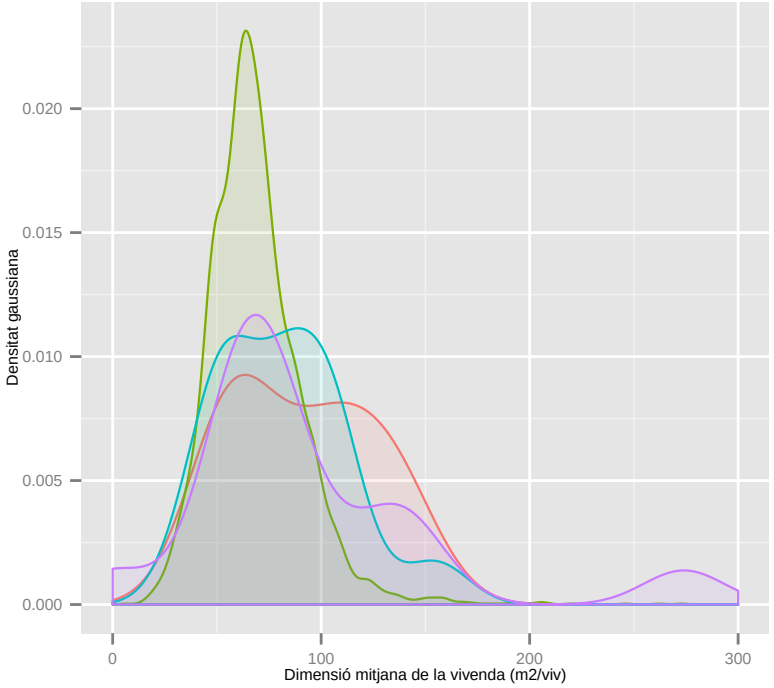


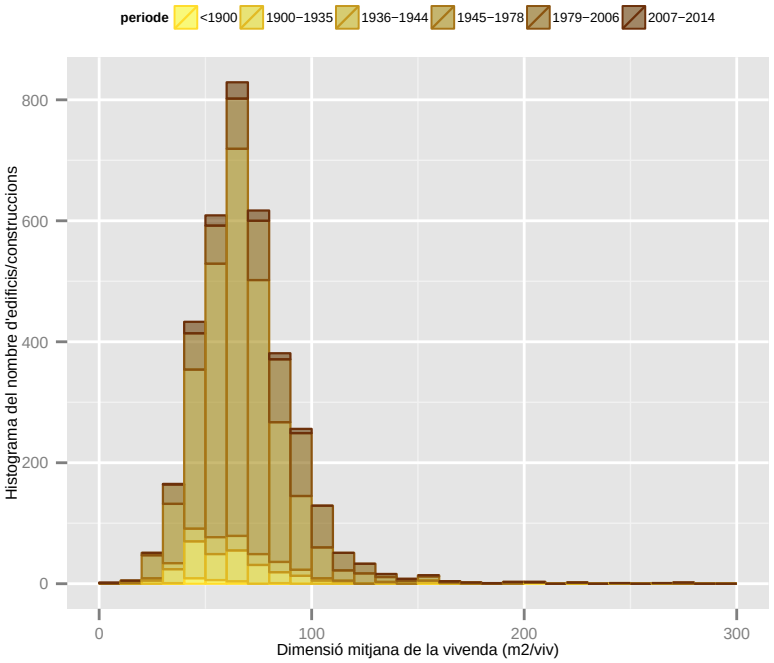


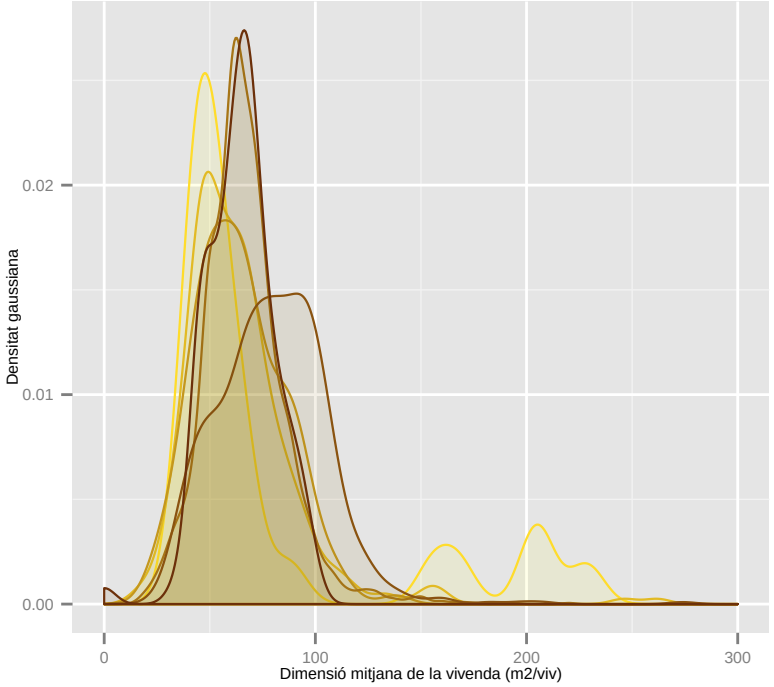
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

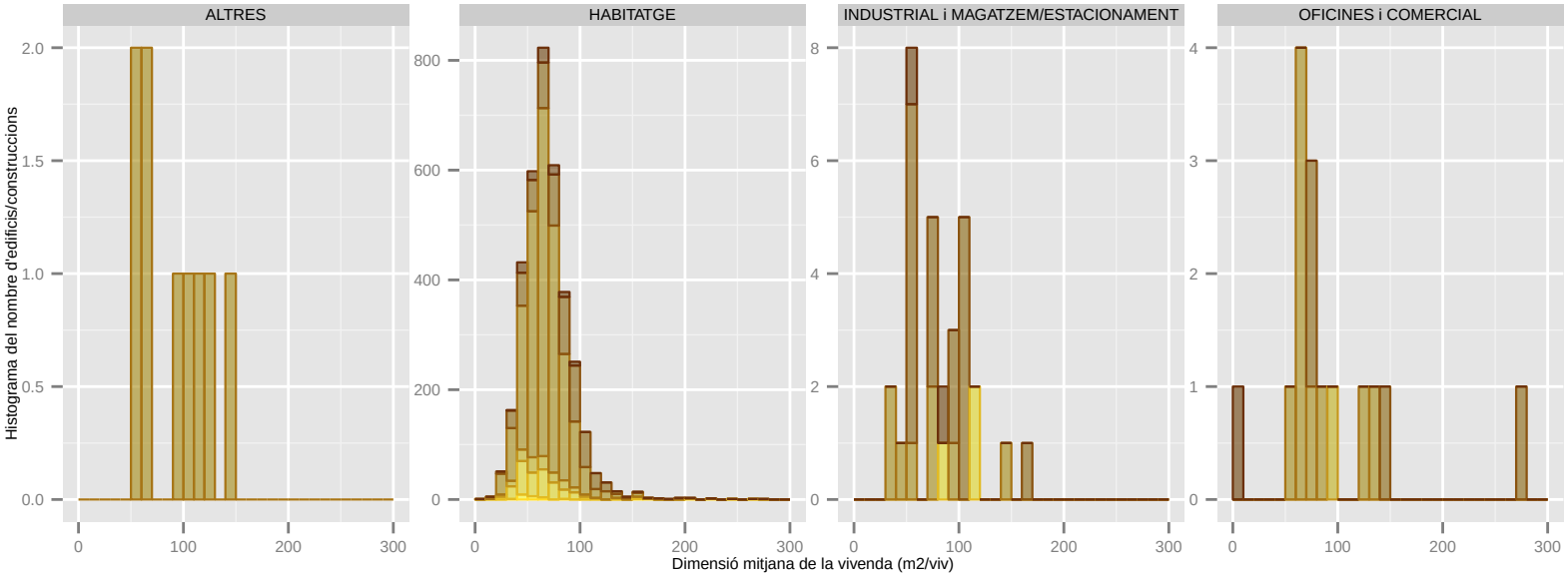
Dimensió mitjana de la vivenda (m2/viv): CORNELLA DE LLOBREGAT





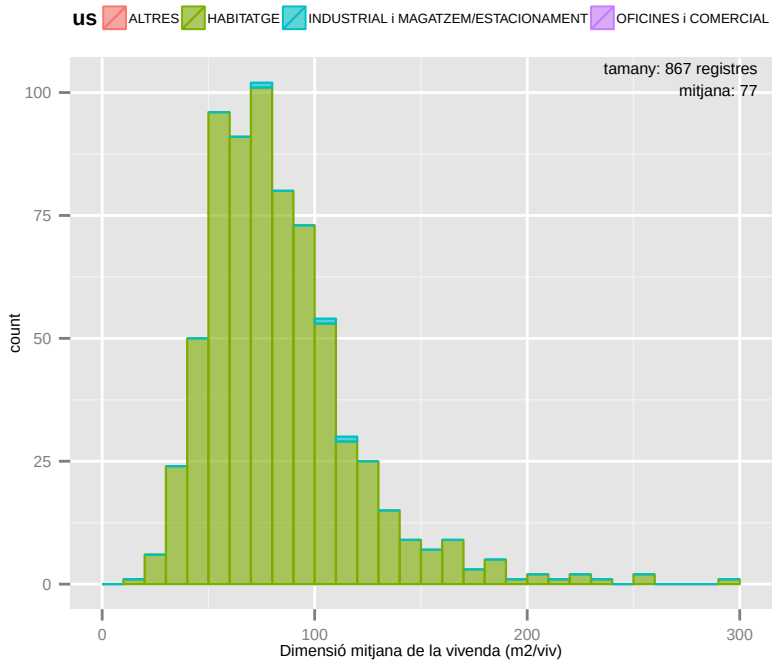


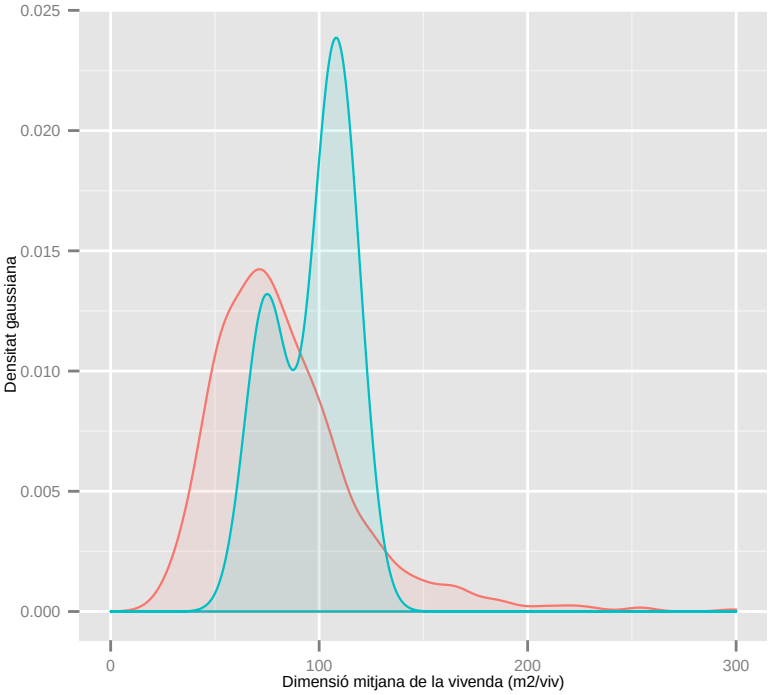


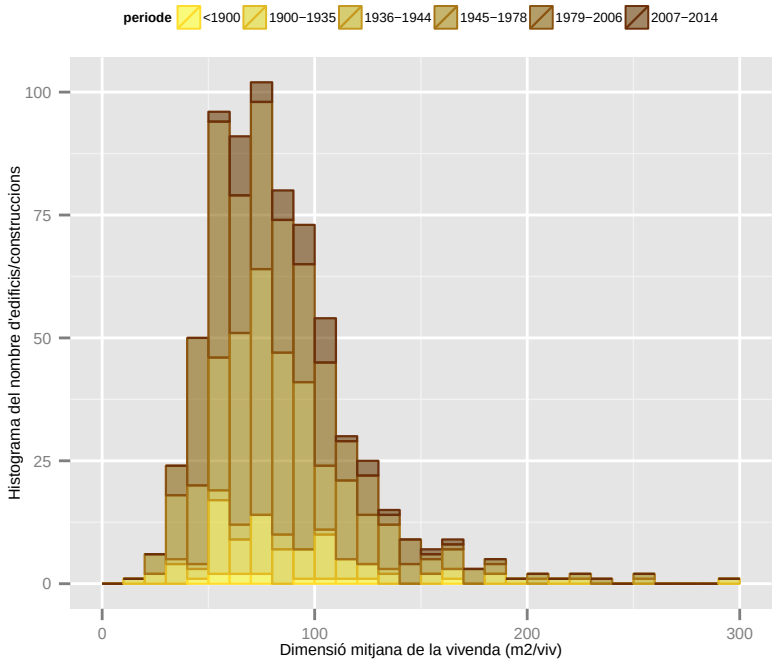


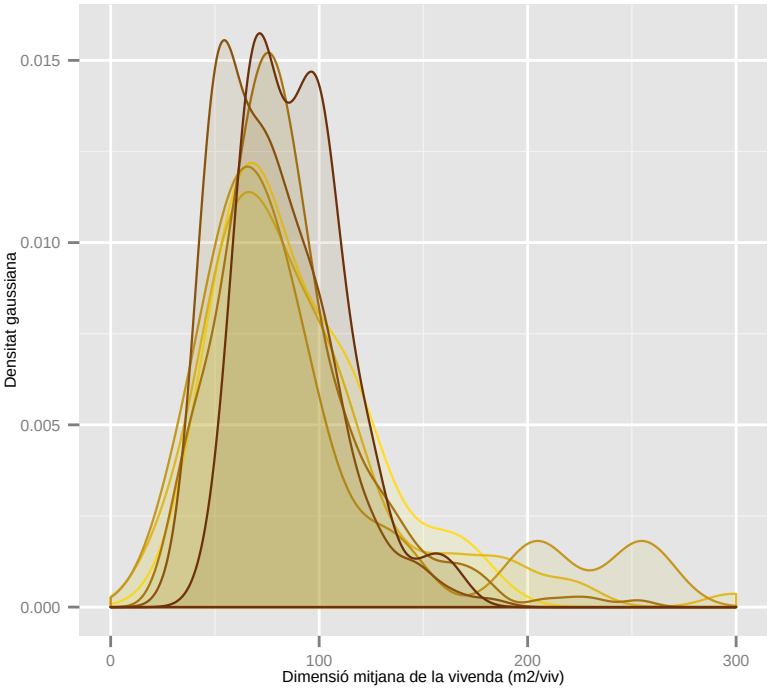
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

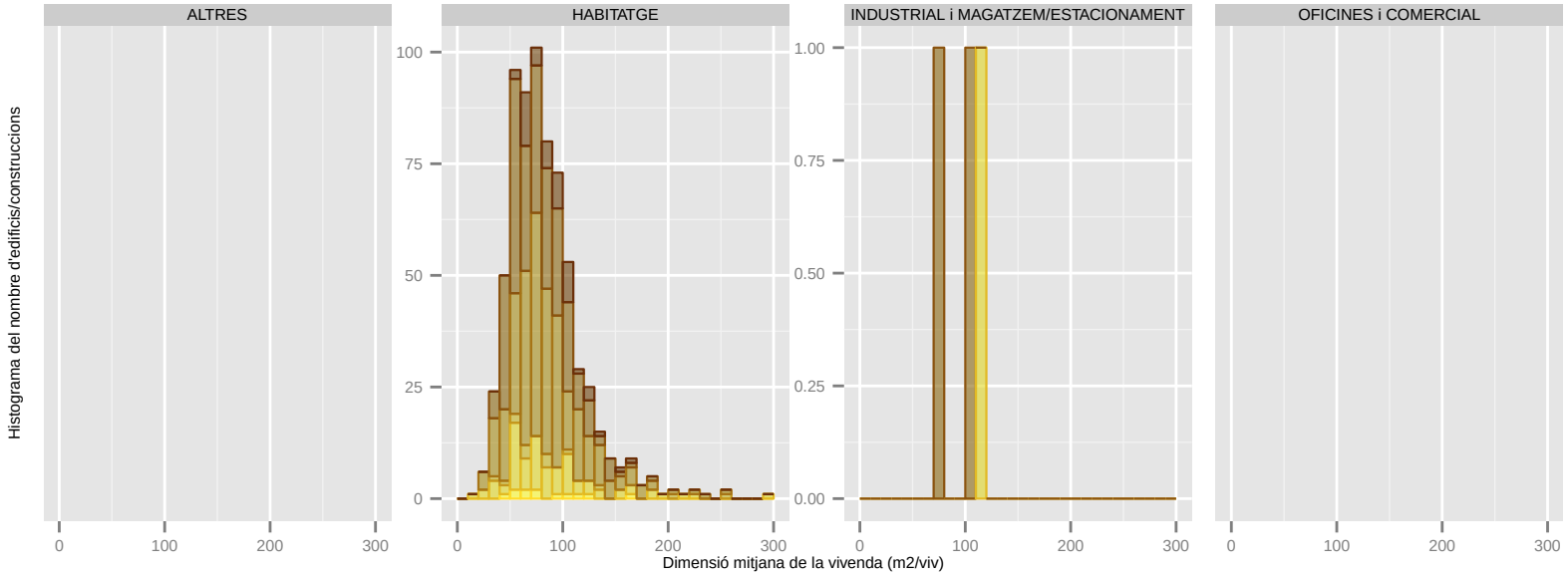
Dimensió mitjana de la vivenda (m2/viv): EL PAPIOL





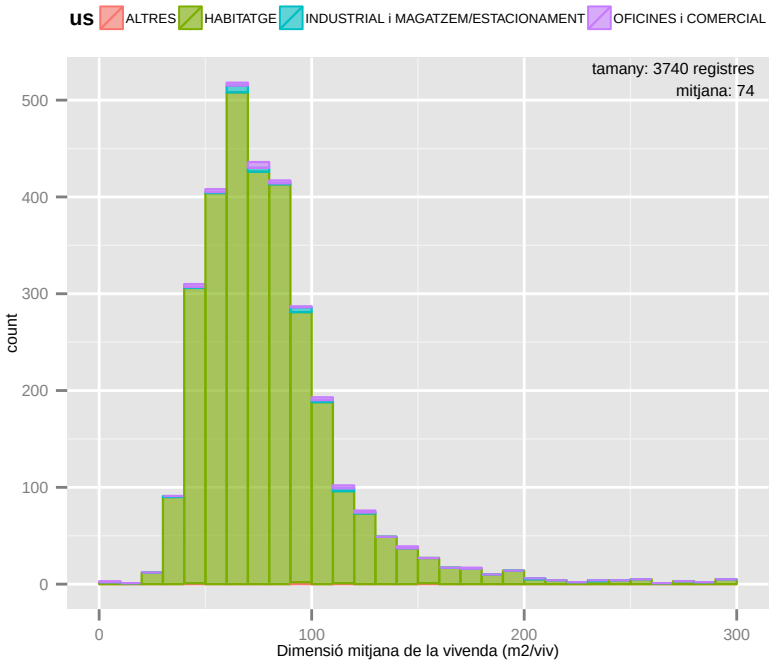


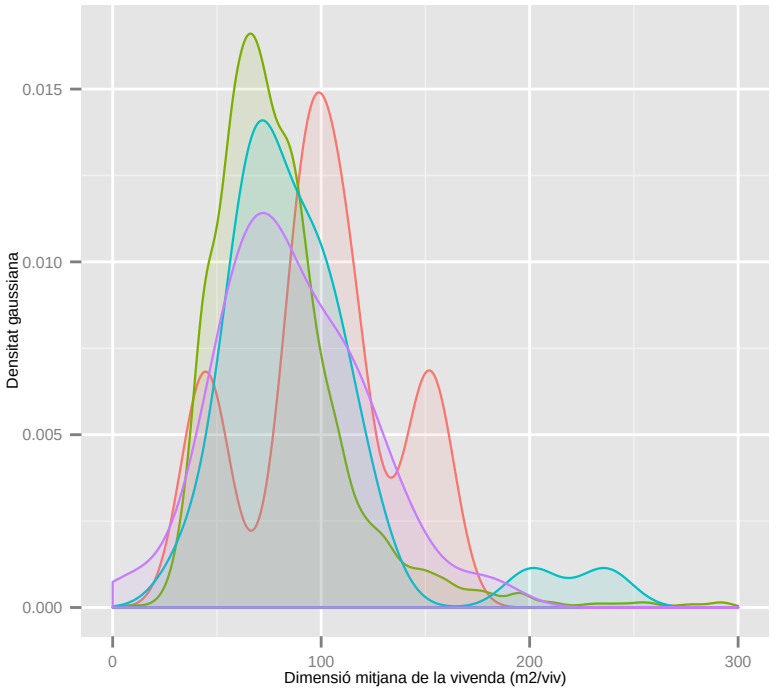


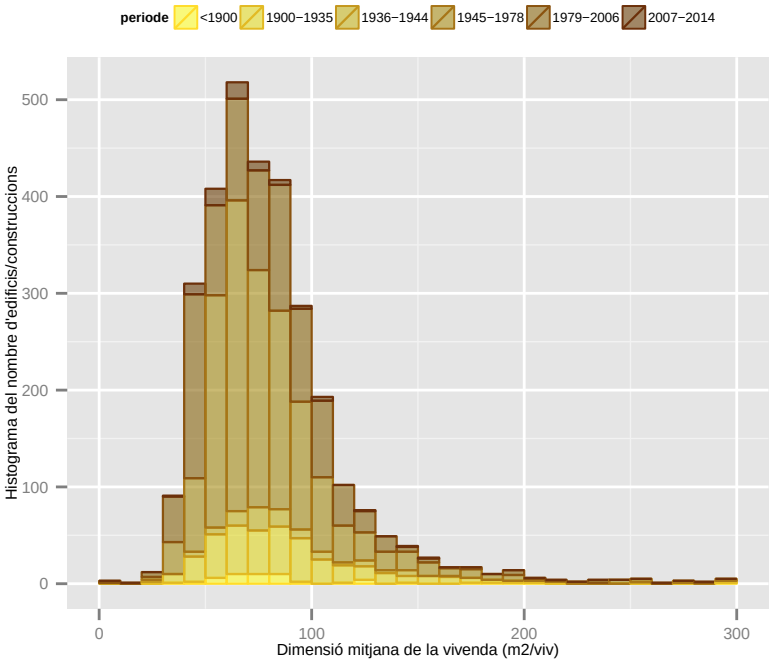


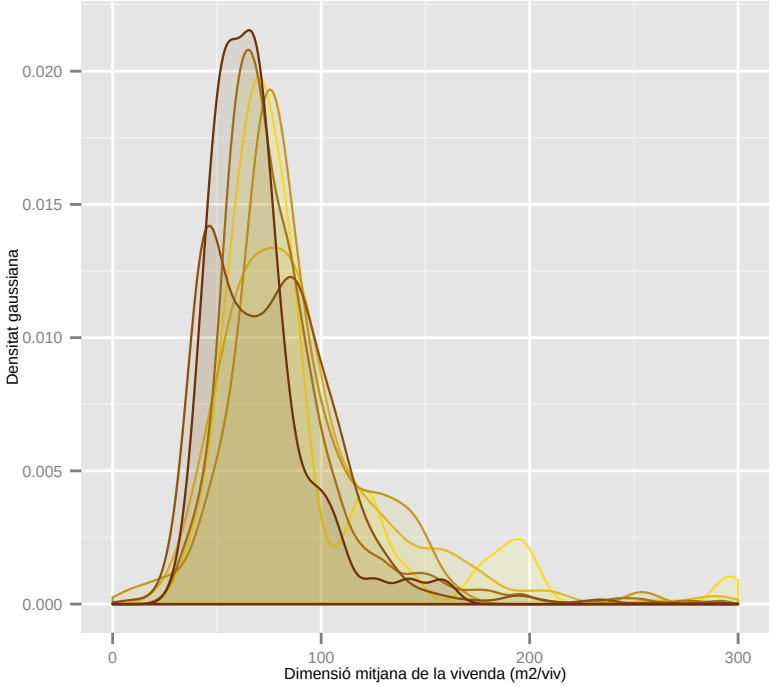
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

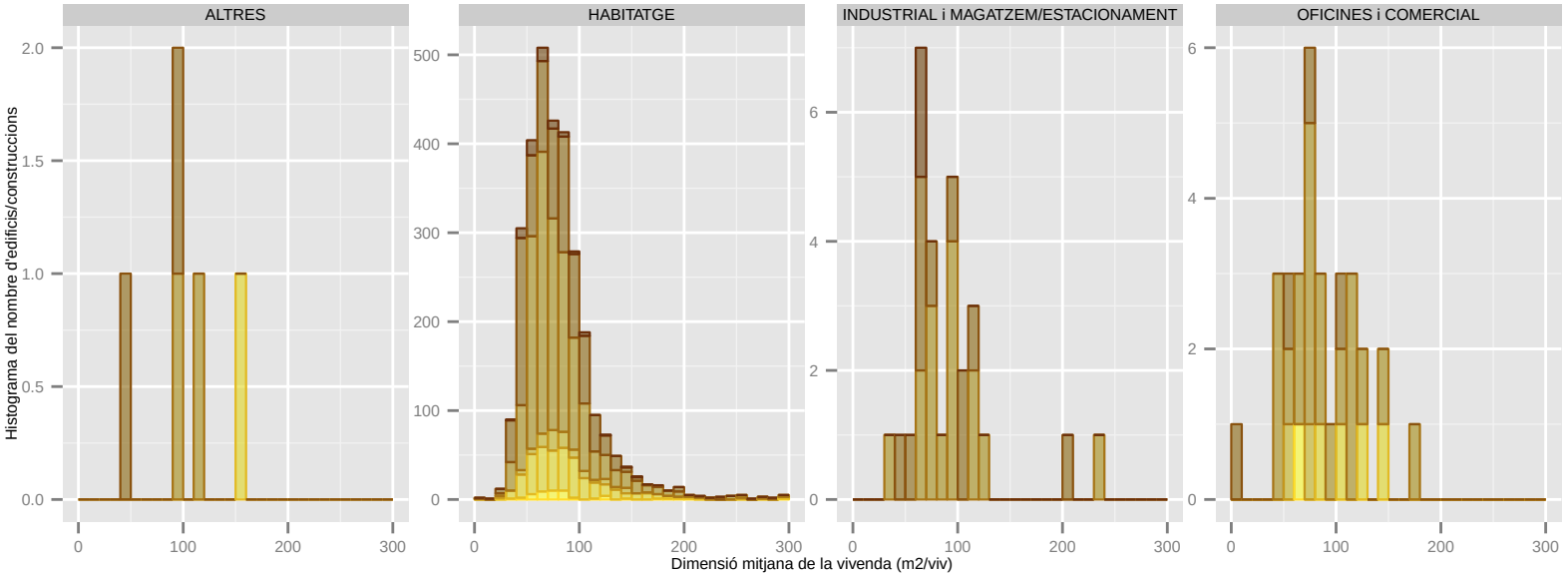
Dimensió mitjana de la vivenda (m2/viv): EL PRAT DE LLOBREGAT





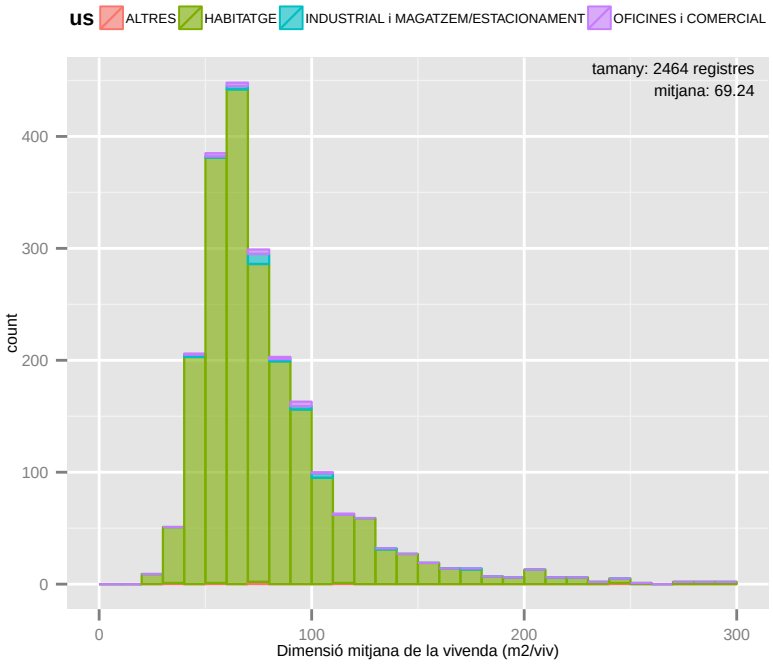


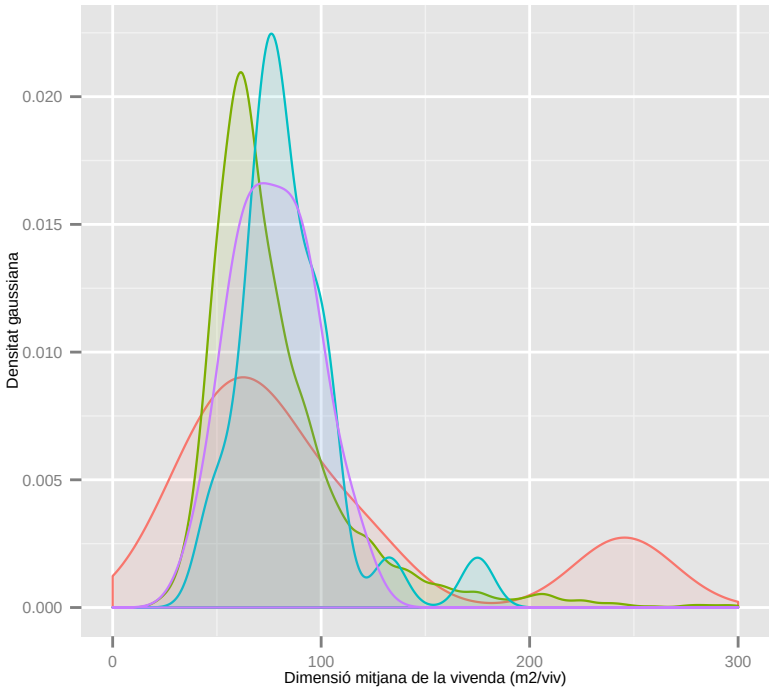


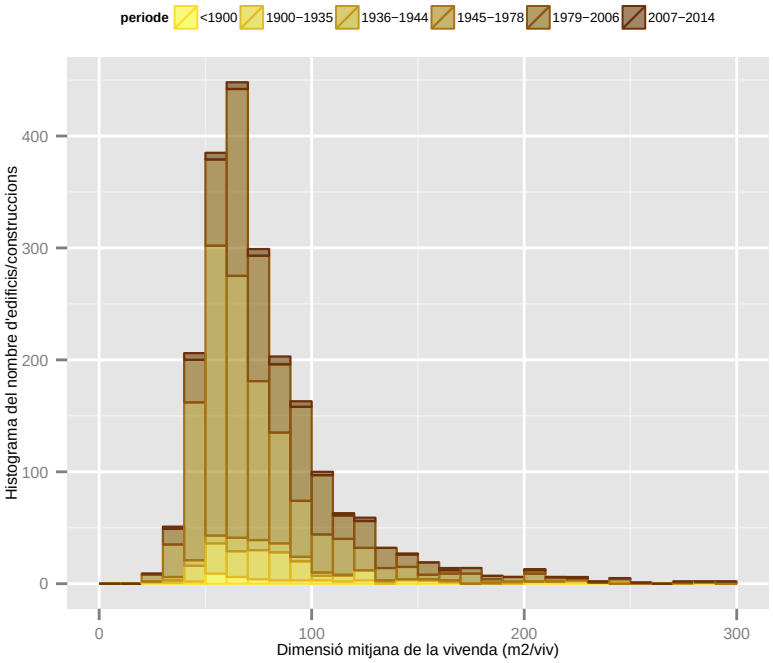


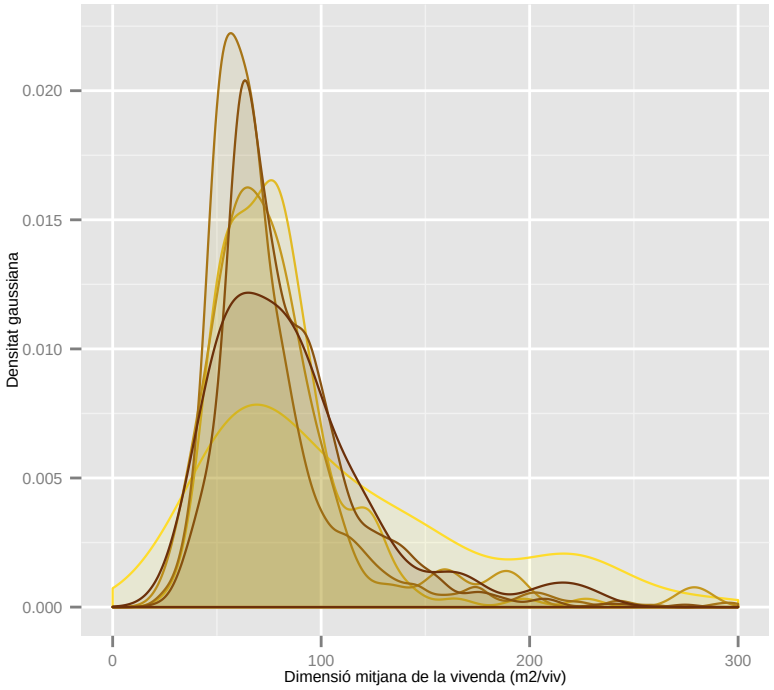
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

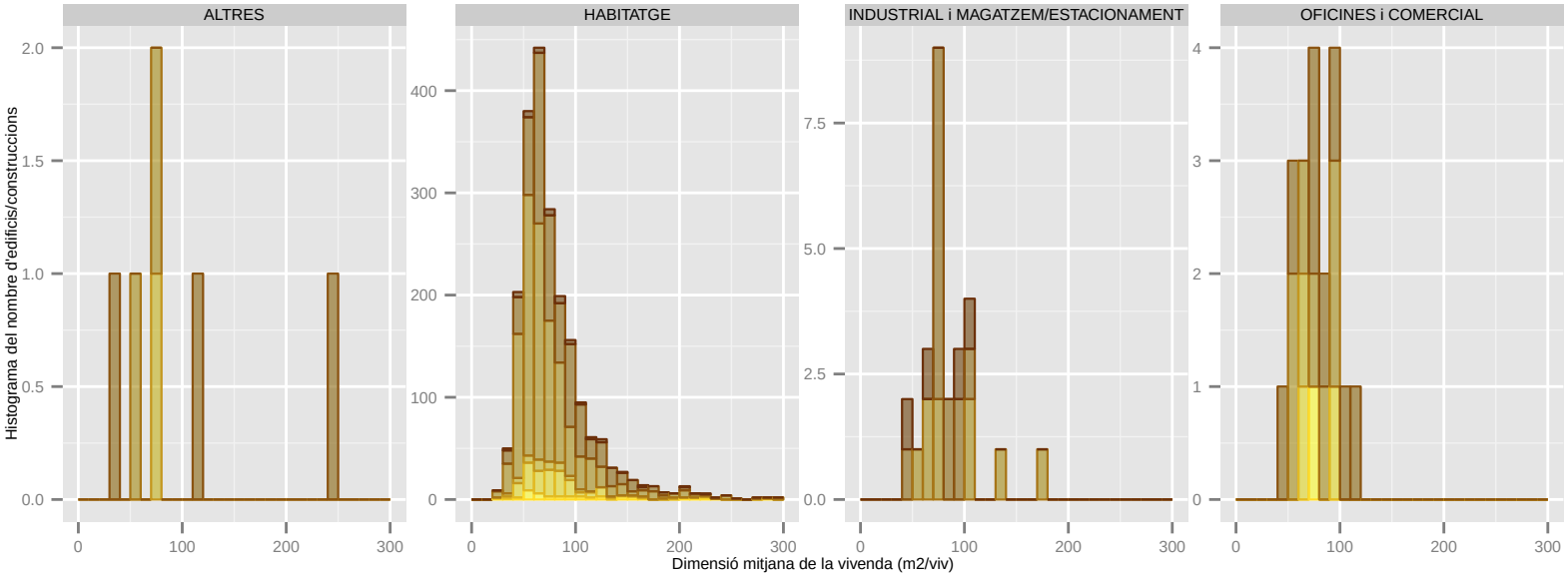
Dimensió mitjana de la vivenda (m2/viv): ESPLUGUES DE LLOBREGAT





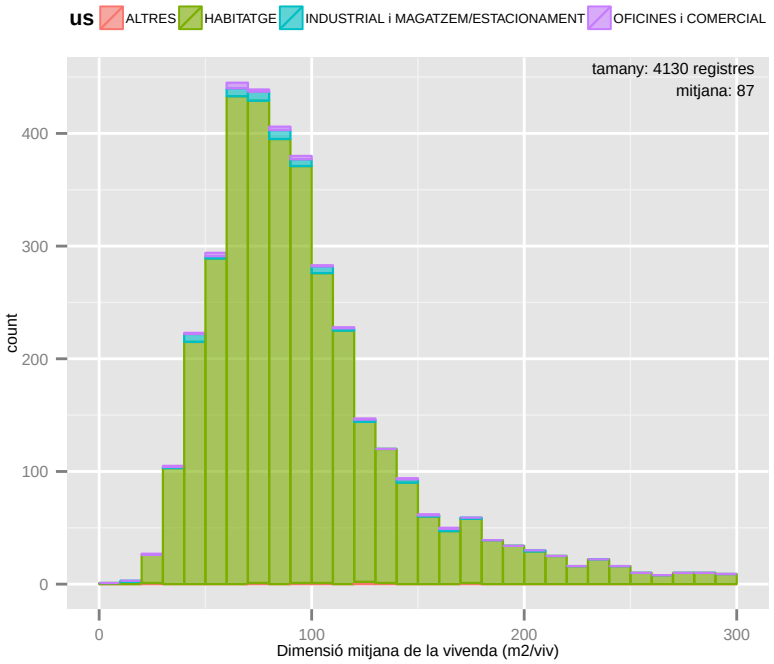


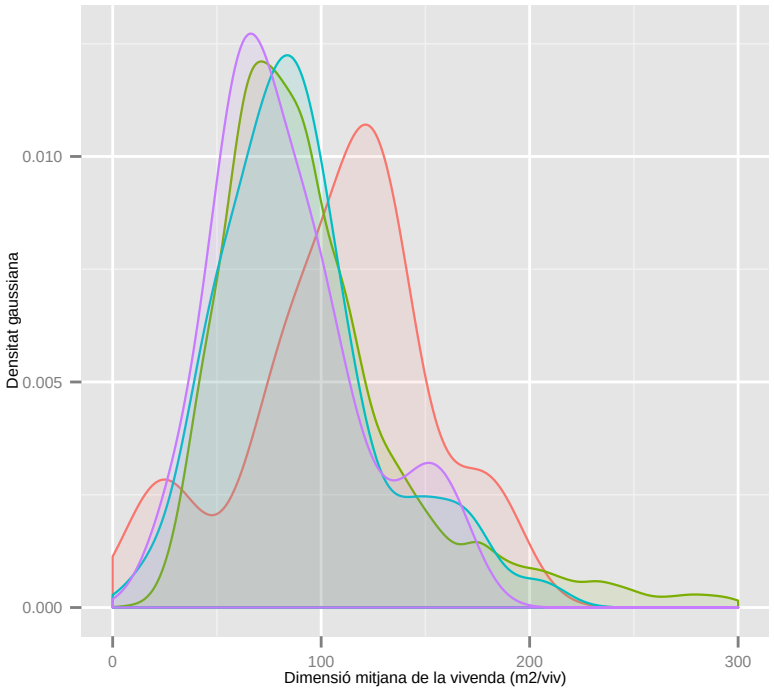


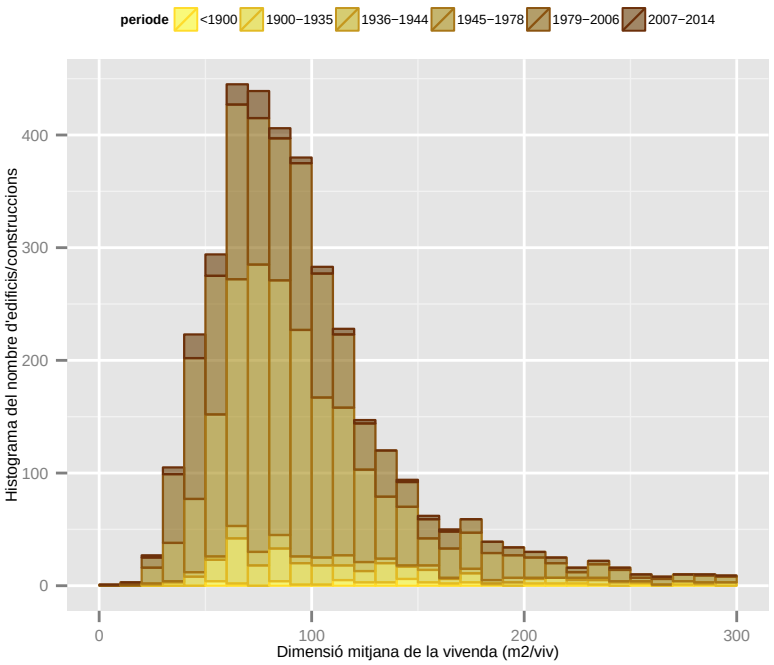


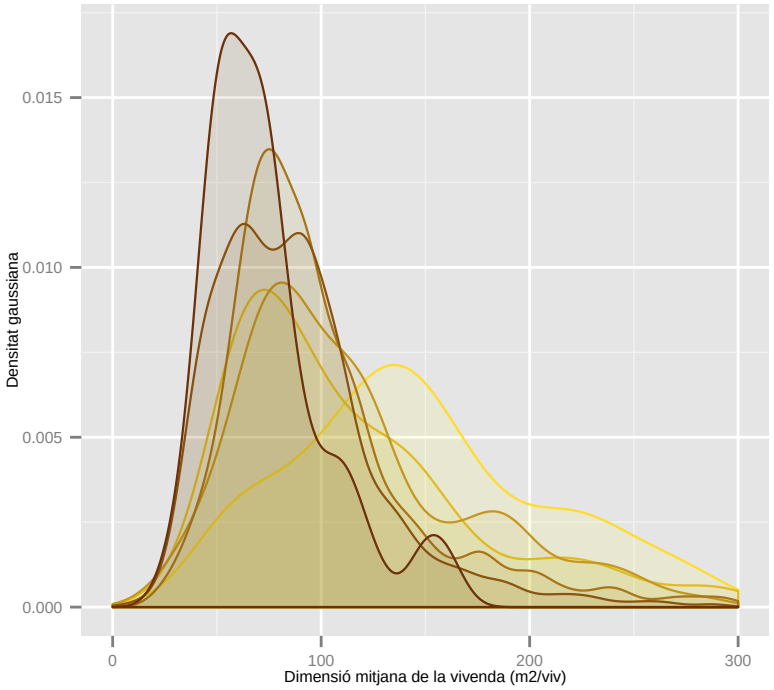
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

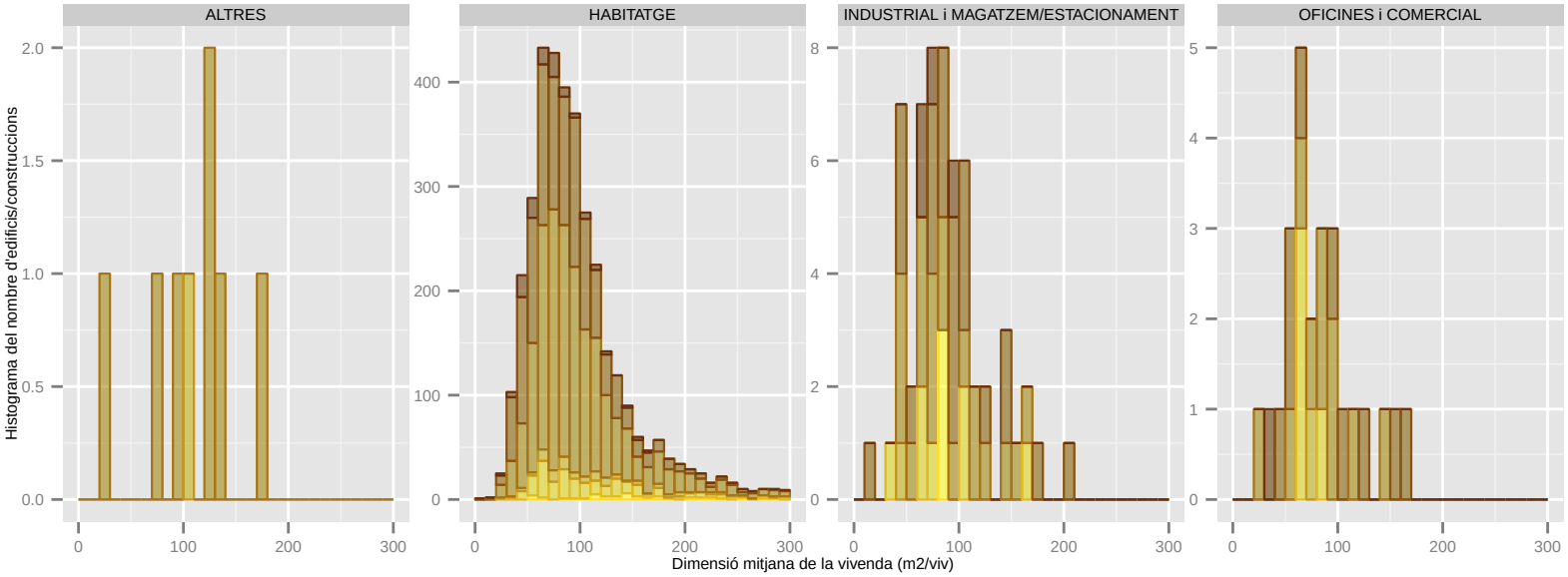
Dimensió mitjana de la vivenda (m2/viv): GAVA





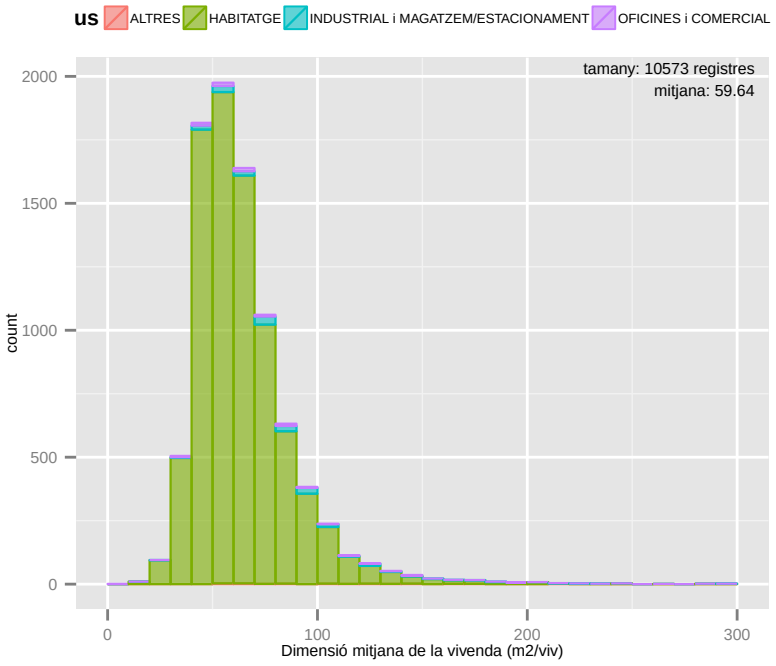


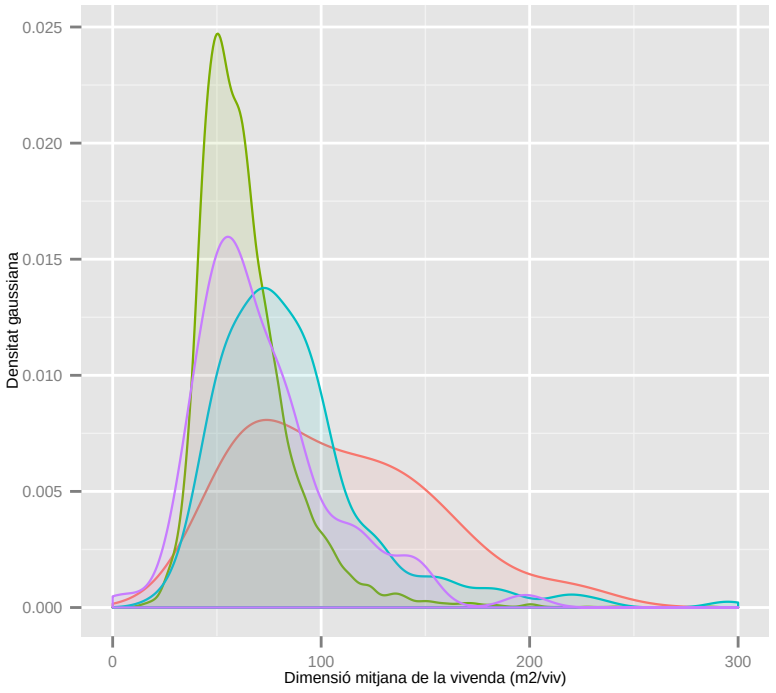


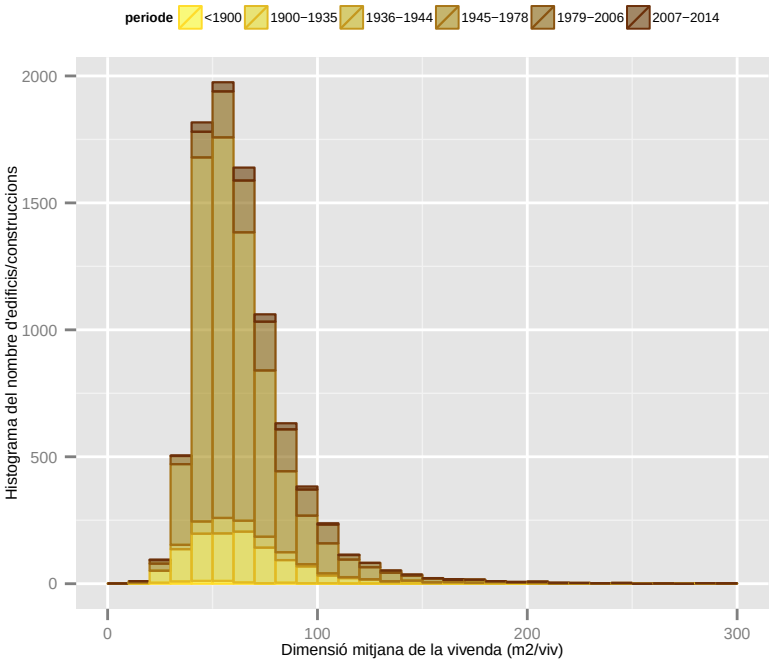


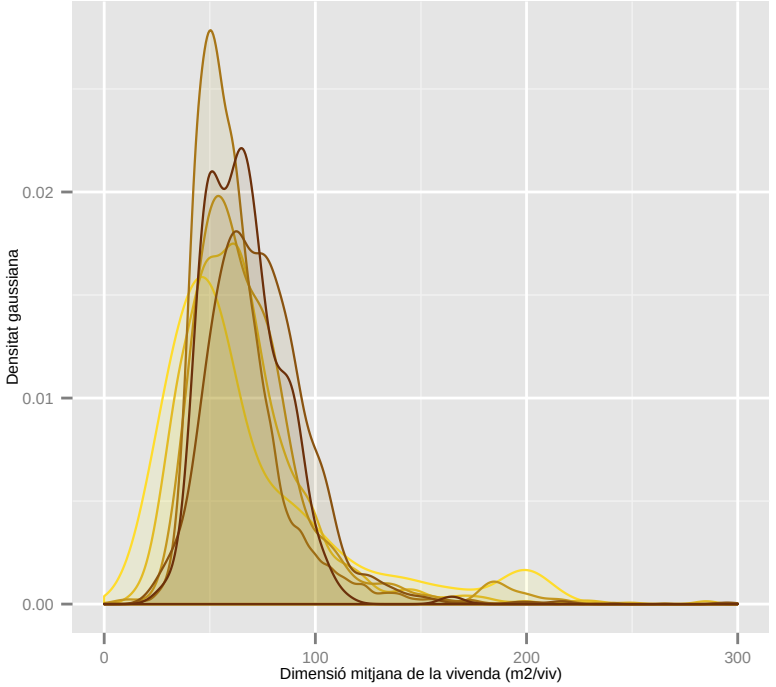
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

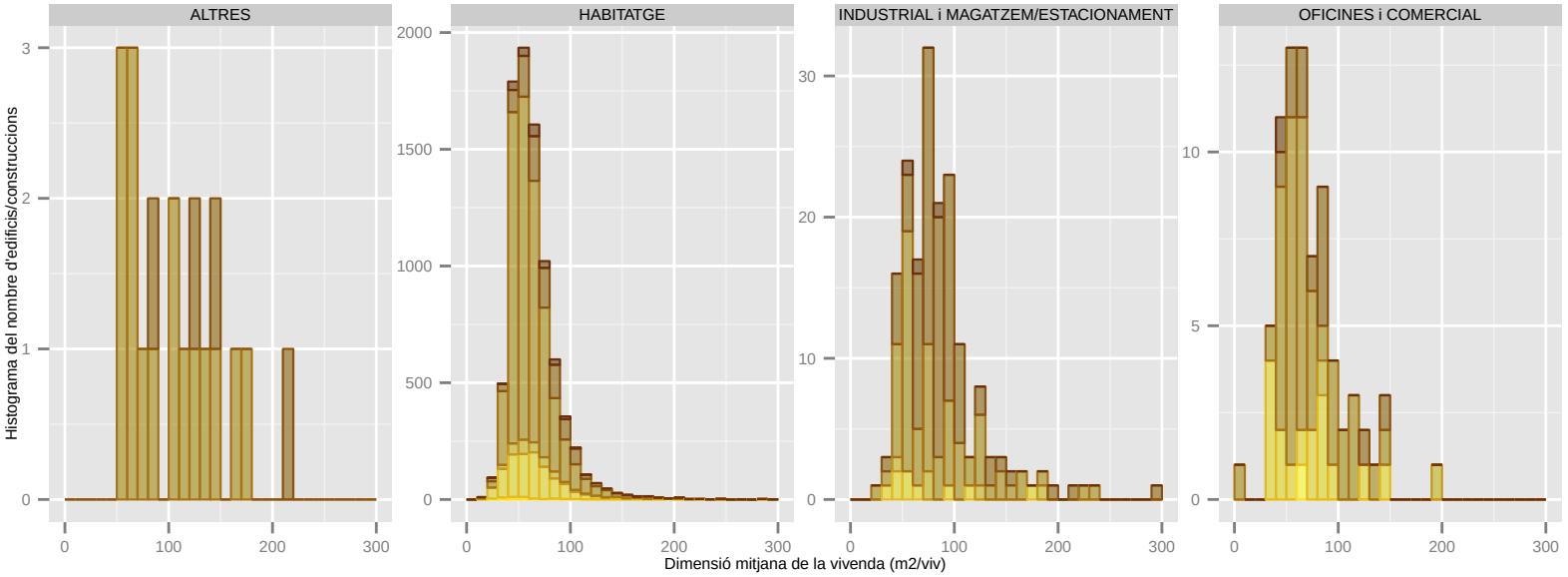
Dimensió mitjana de la vivenda (m2/viv): L'HOSPITALET DE LLOBREGAT





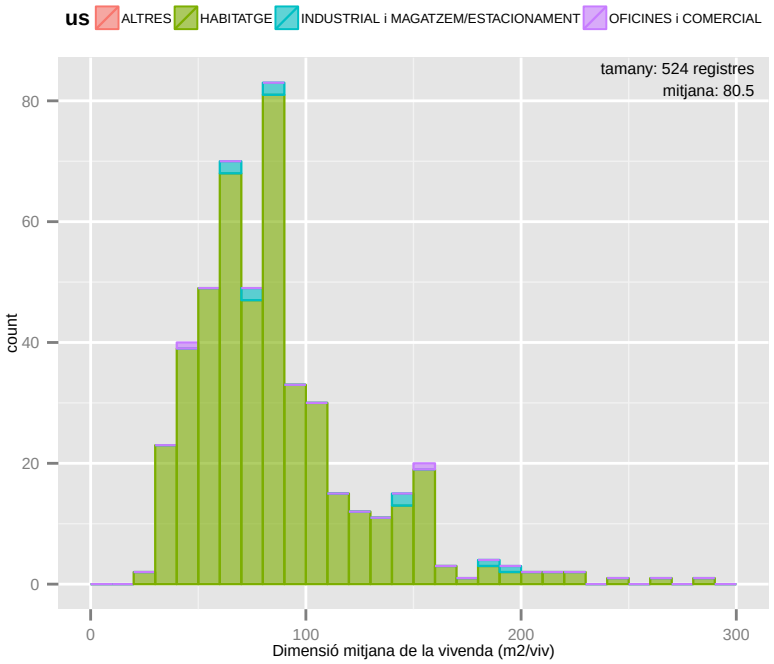


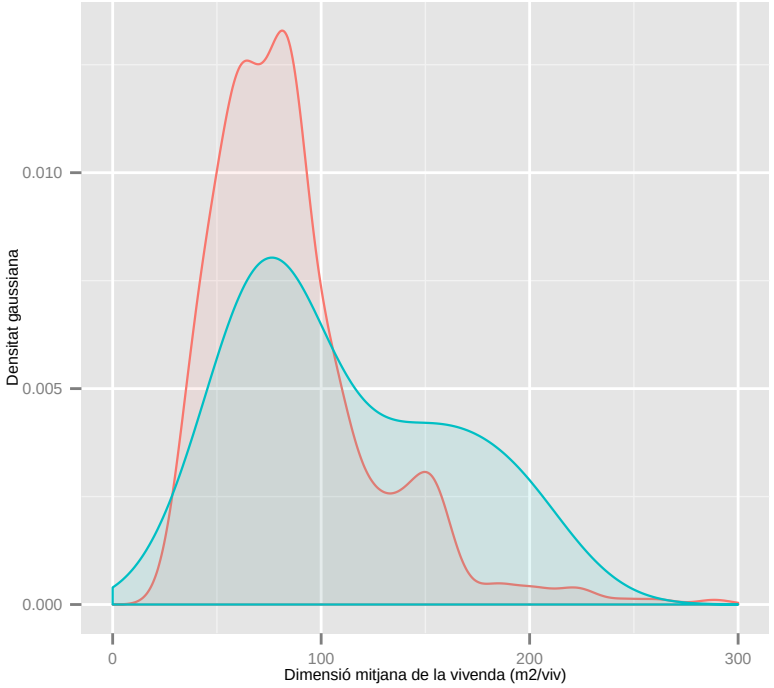


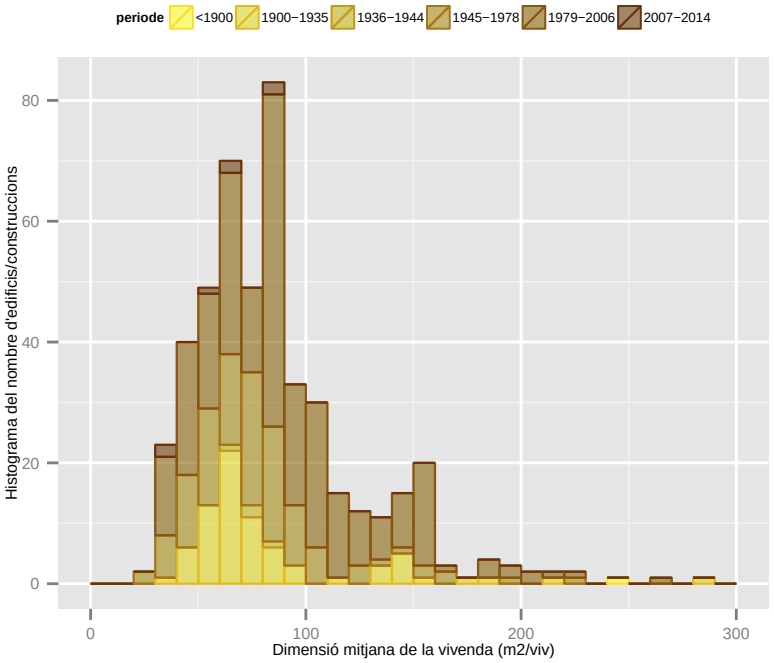


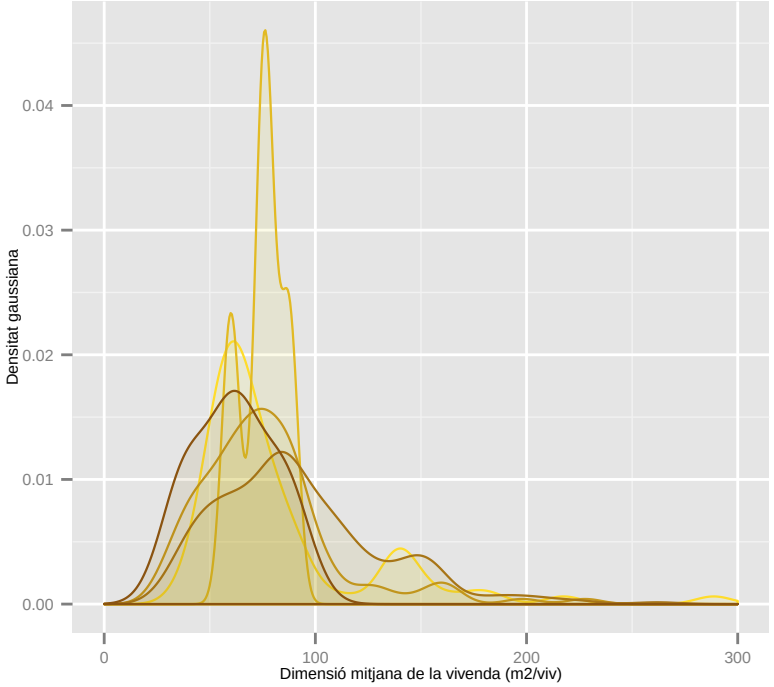
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

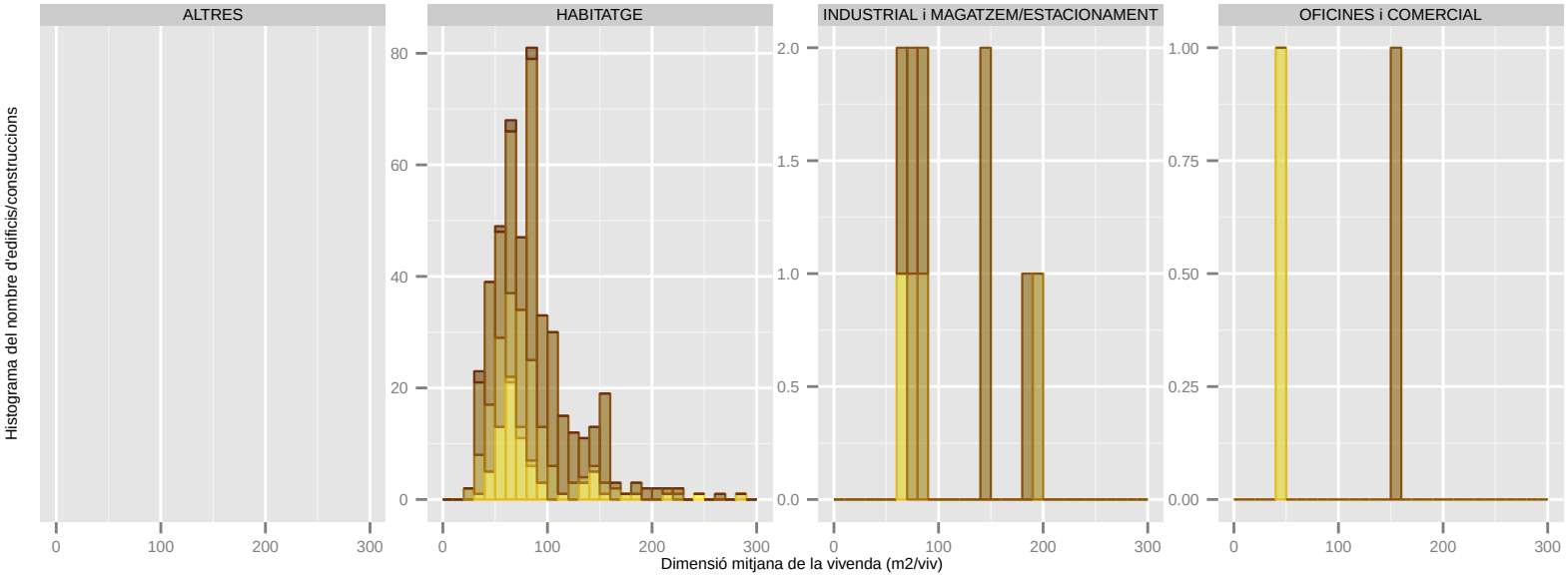
Dimensió mitjana de la vivenda (m2/viv): LA PALMA DE CERVELLO





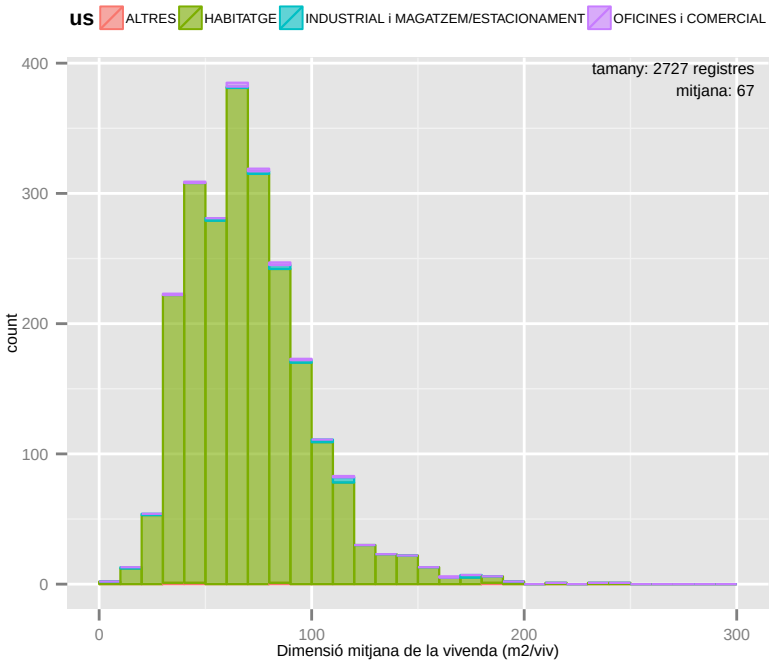


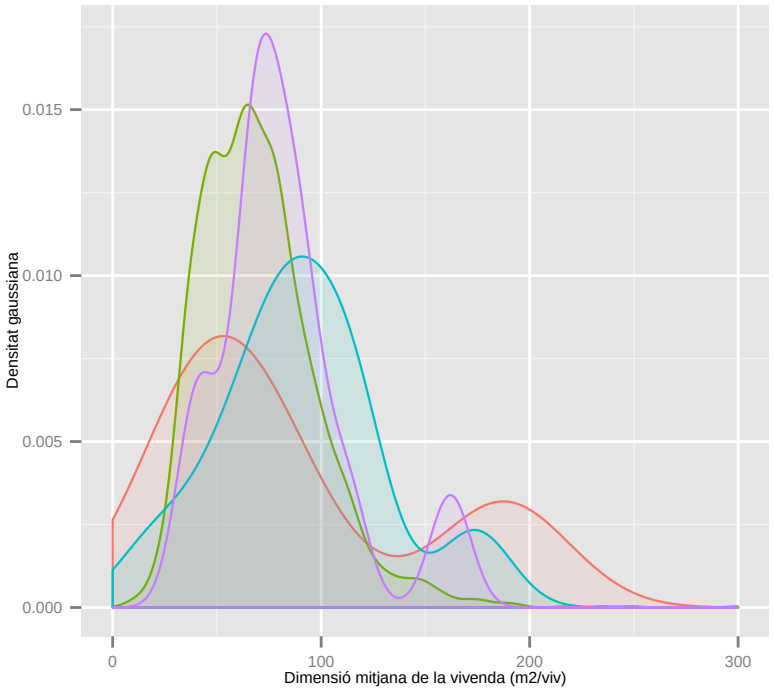


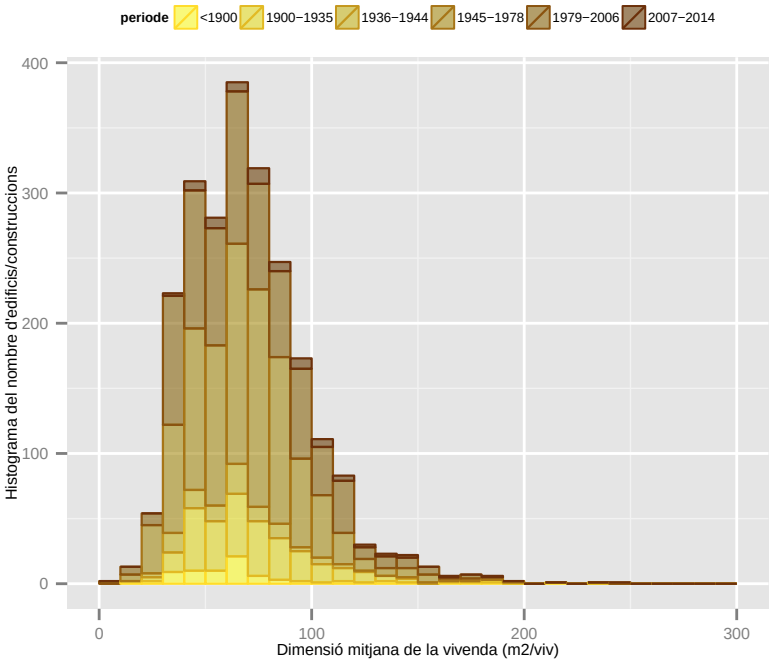


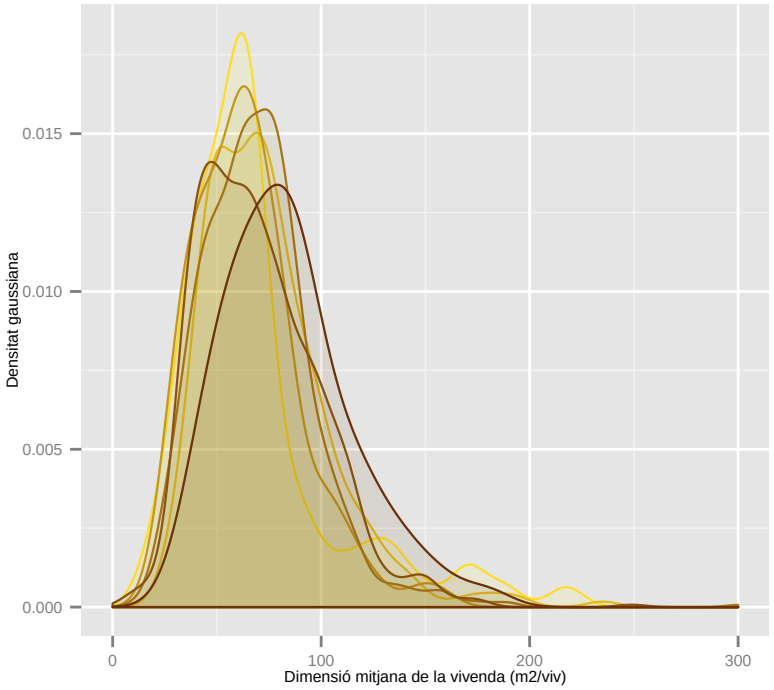
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

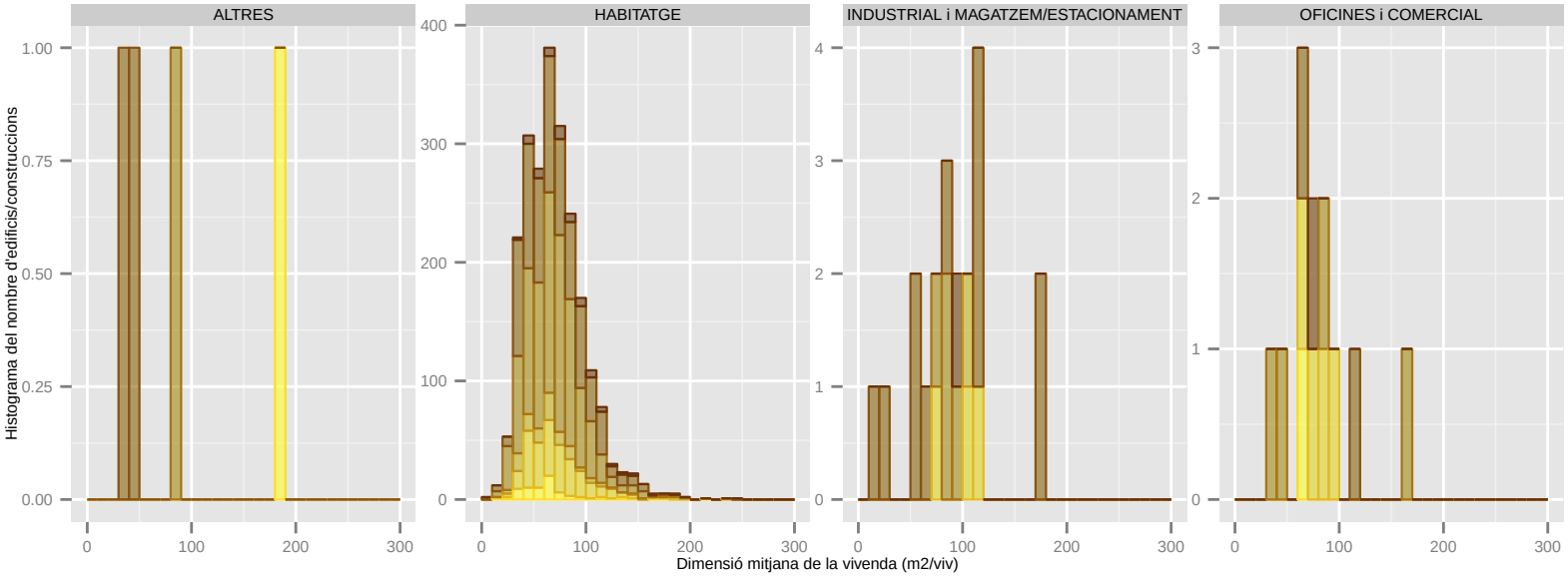
Dimensió mitjana de la vivenda (m2/viv): MOLINS DE REI





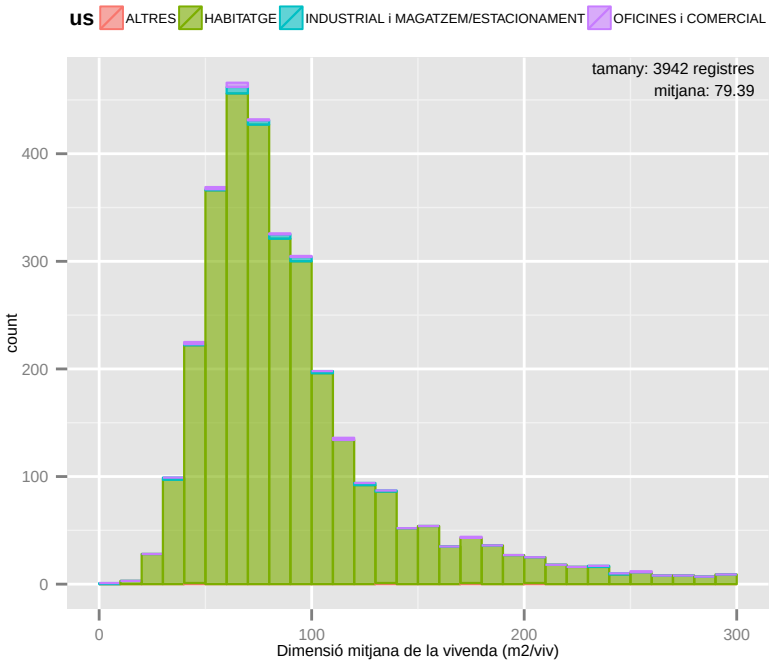


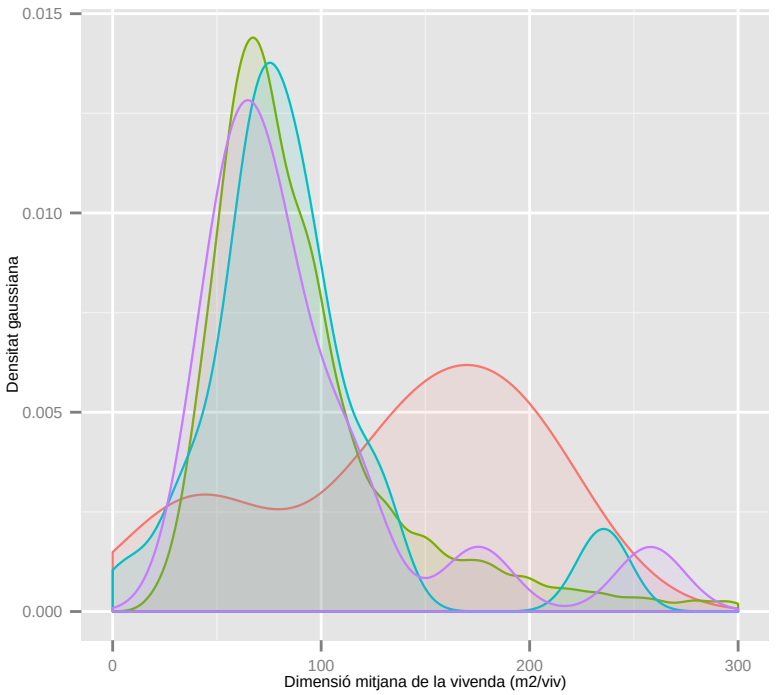


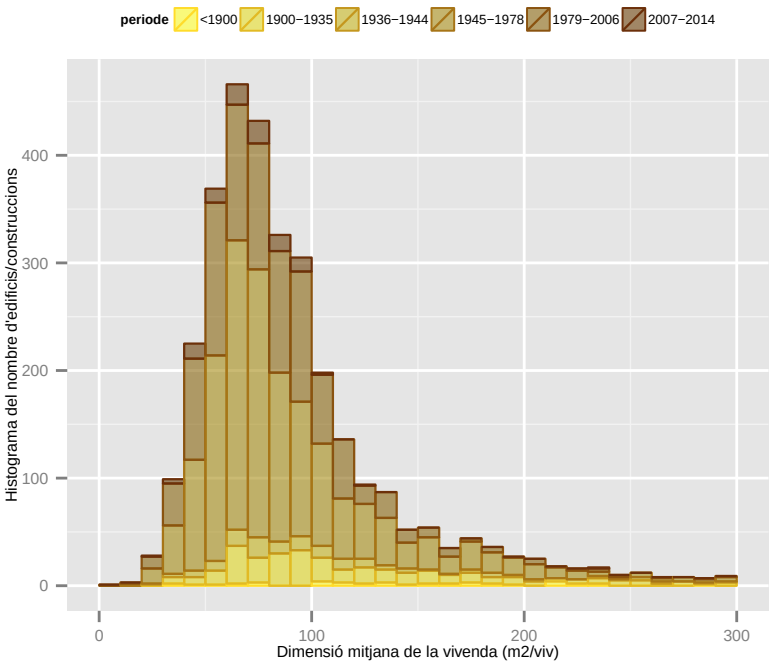


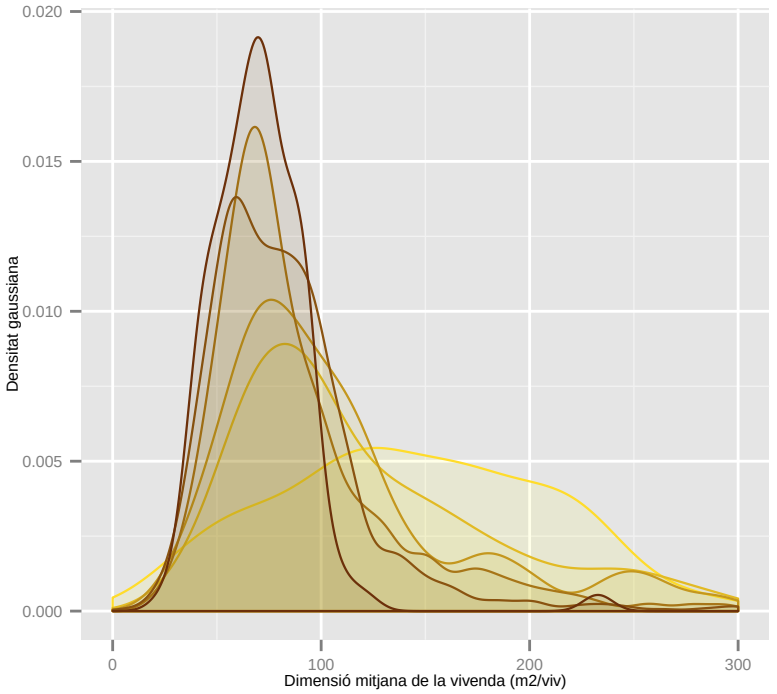
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

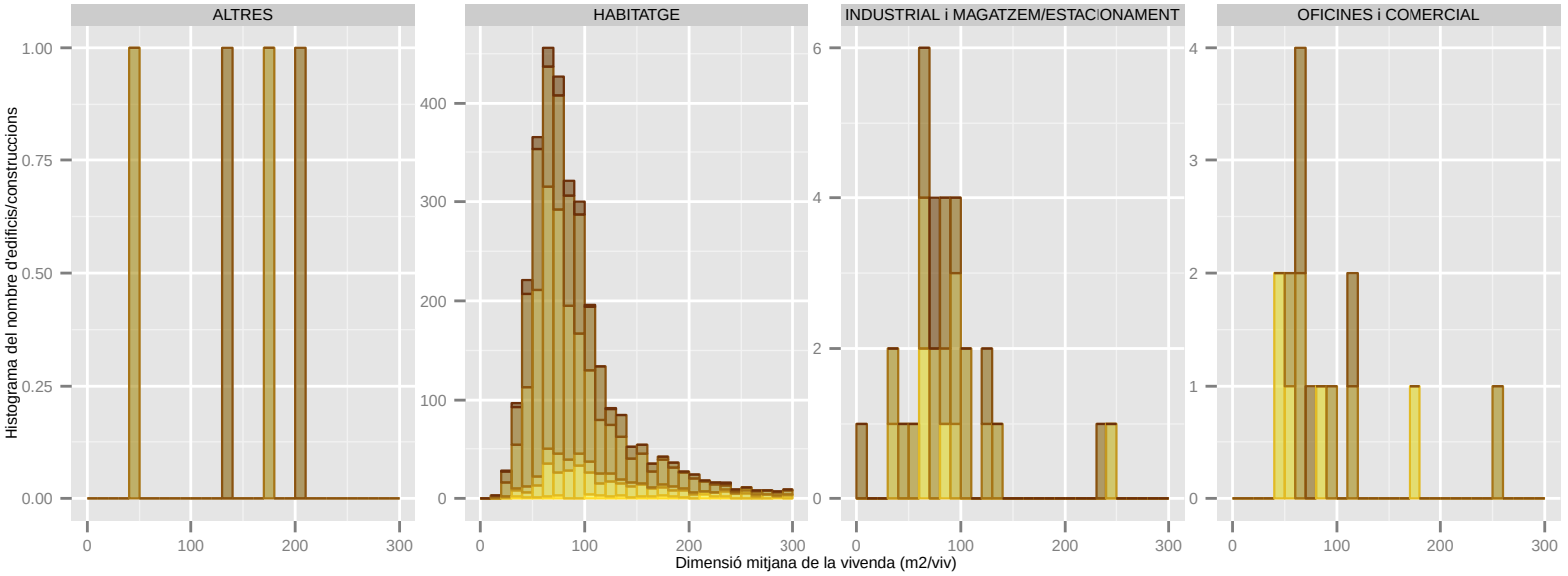
Dimensió mitjana de la vivenda (m2/viv): MONTCADA I REIXAC





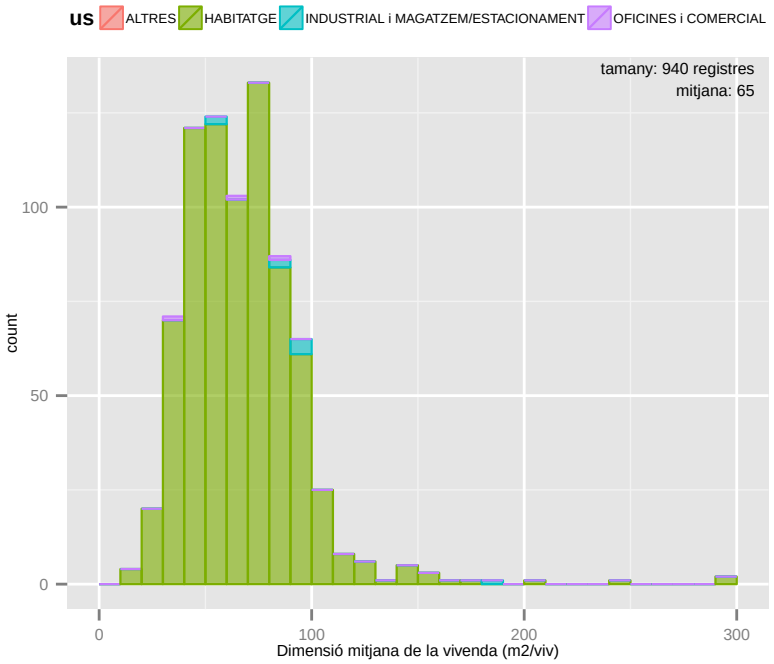


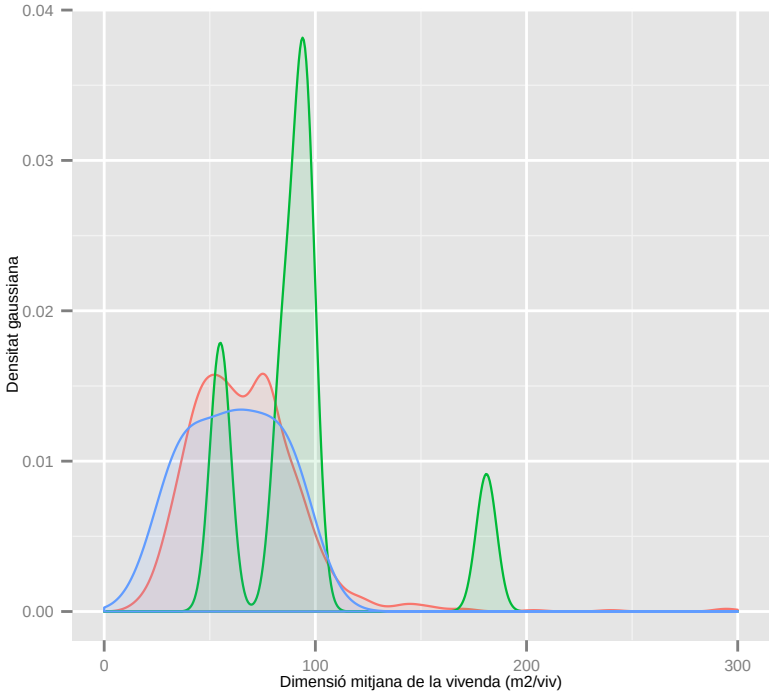


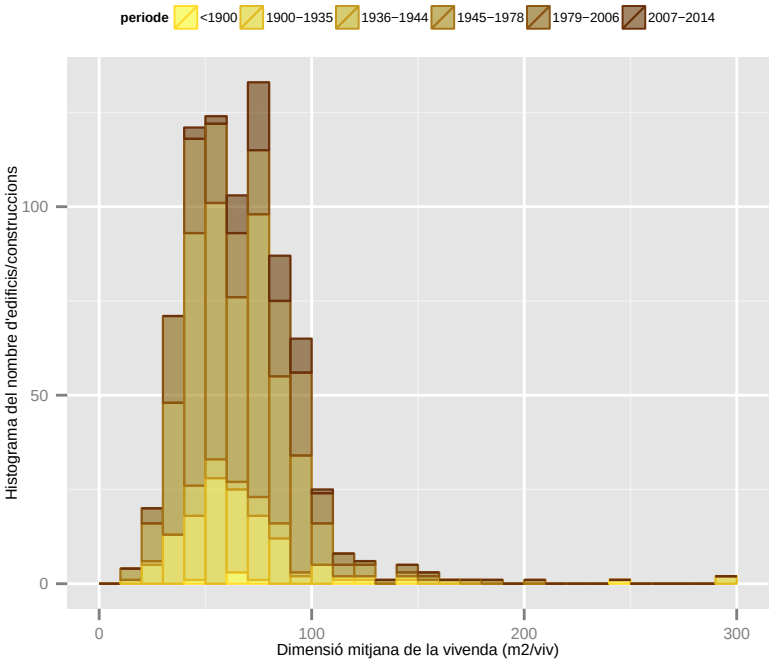


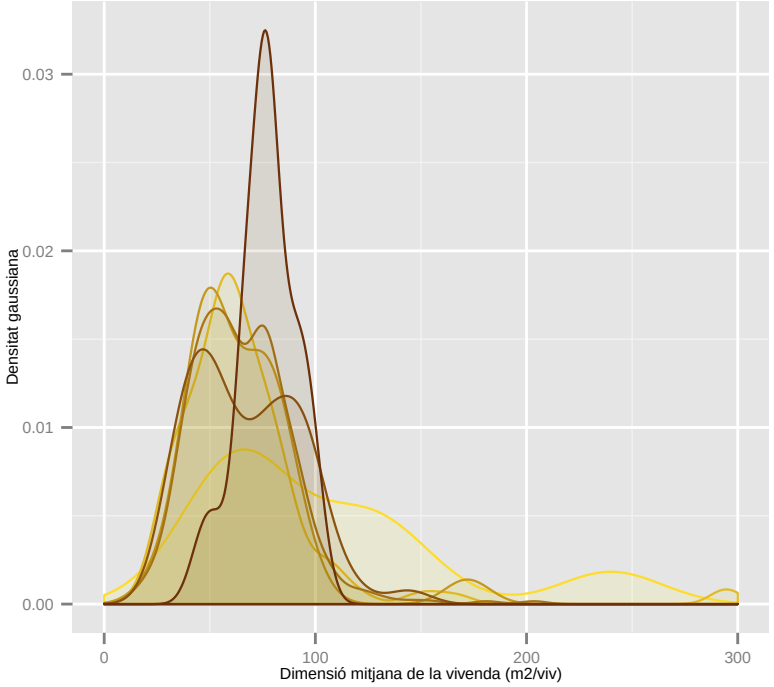
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

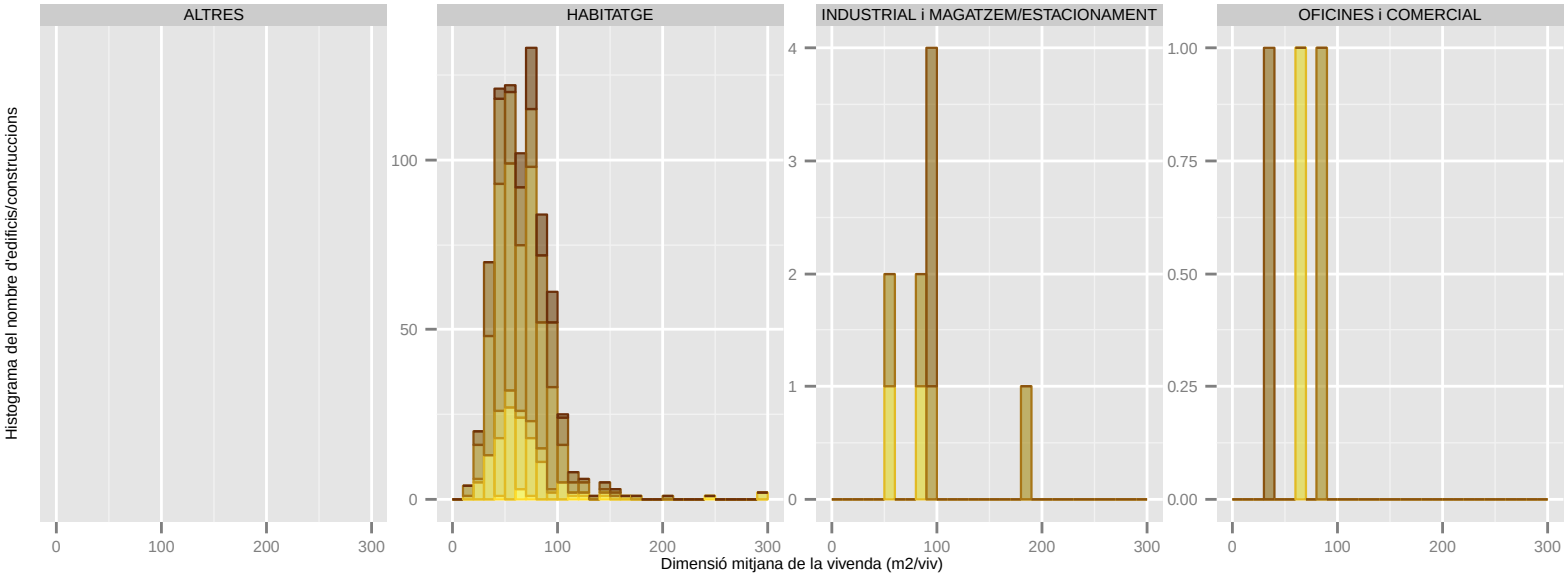
Dimensió mitjana de la vivenda (m2/viv): MONTGAT





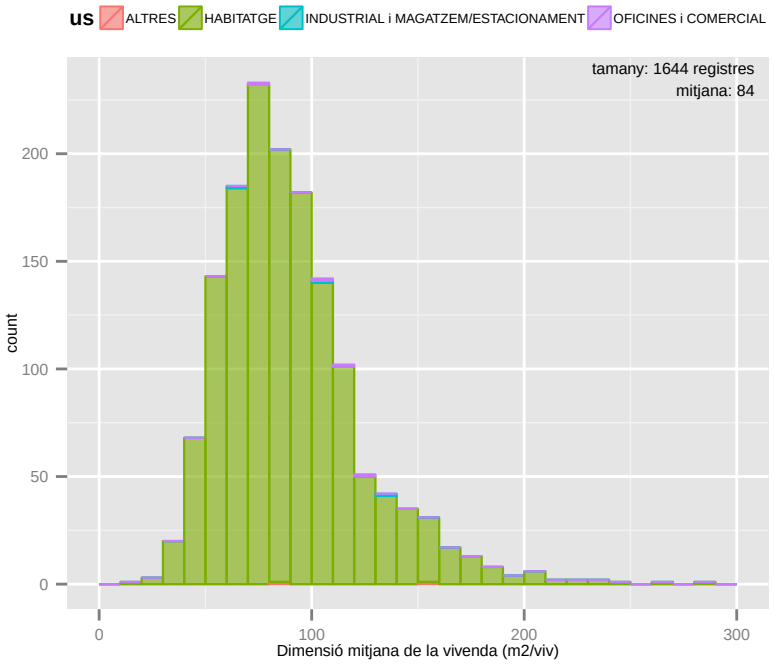


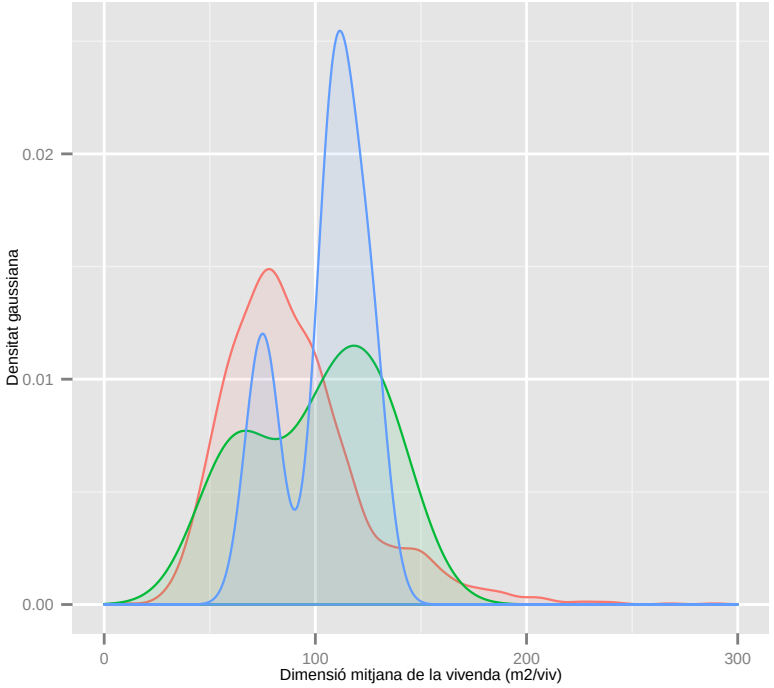


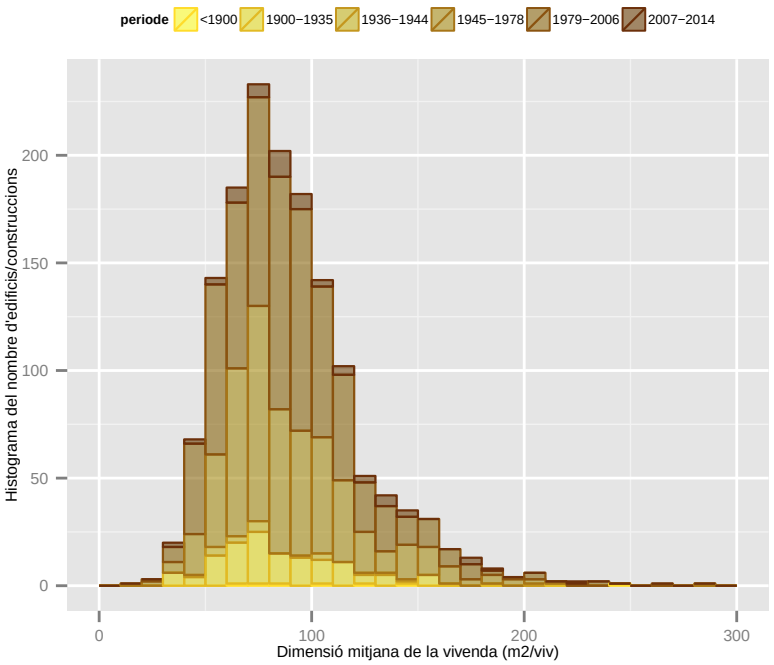


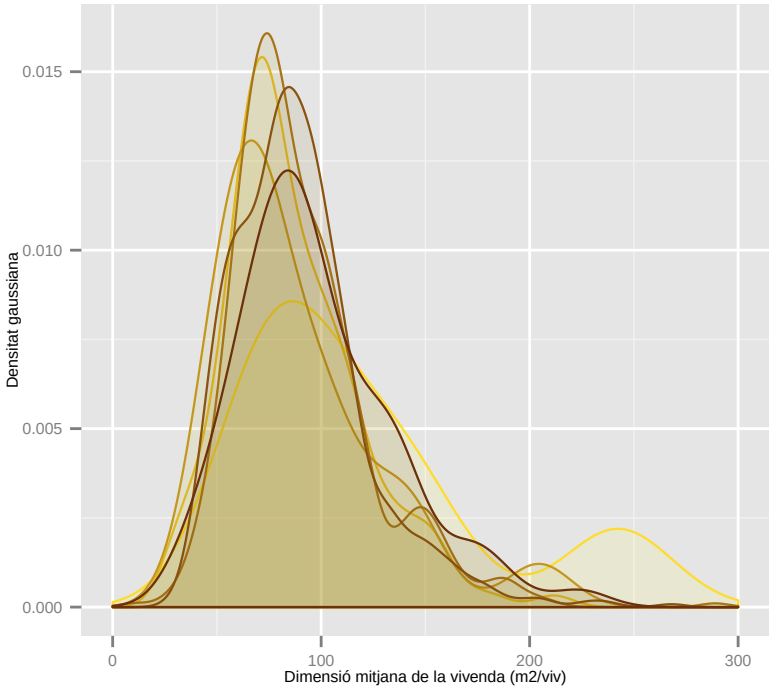
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

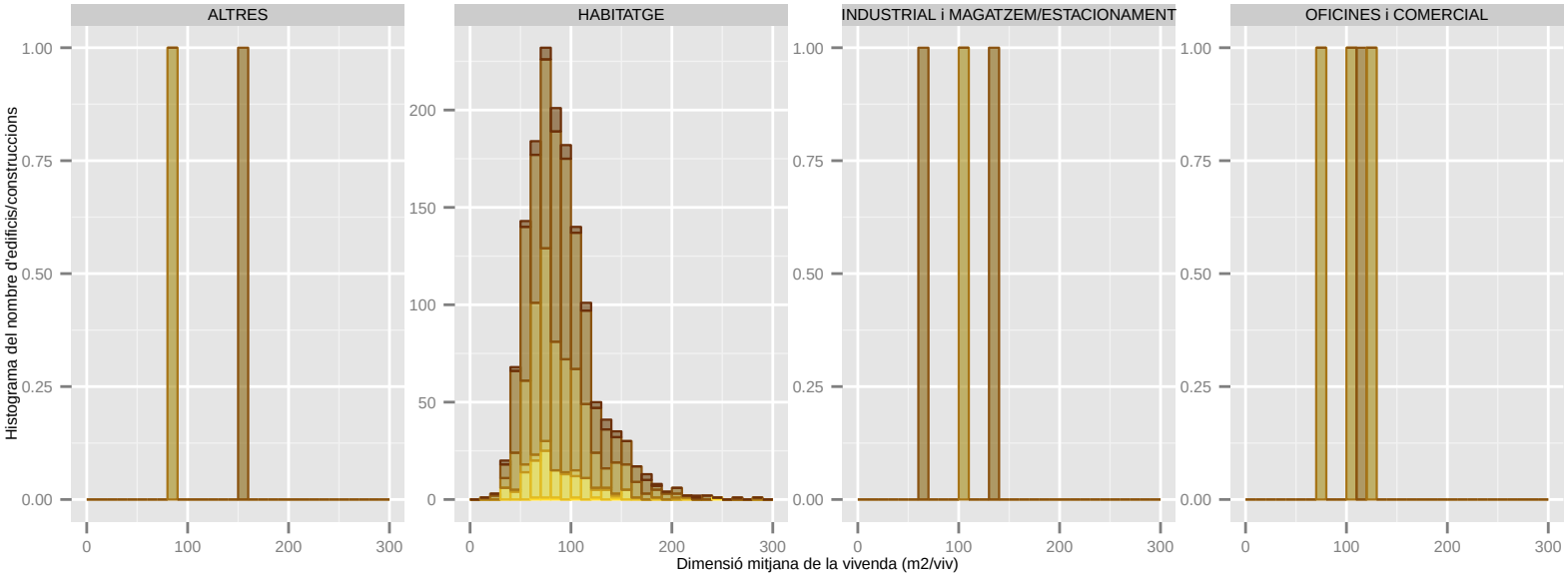
Dimensió mitjana de la vivenda (m2/viv): PALLEJA





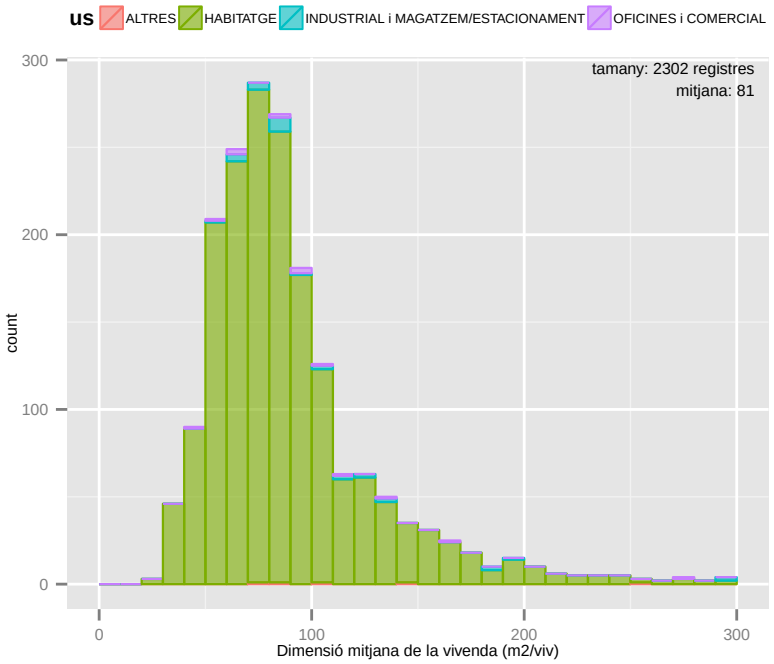


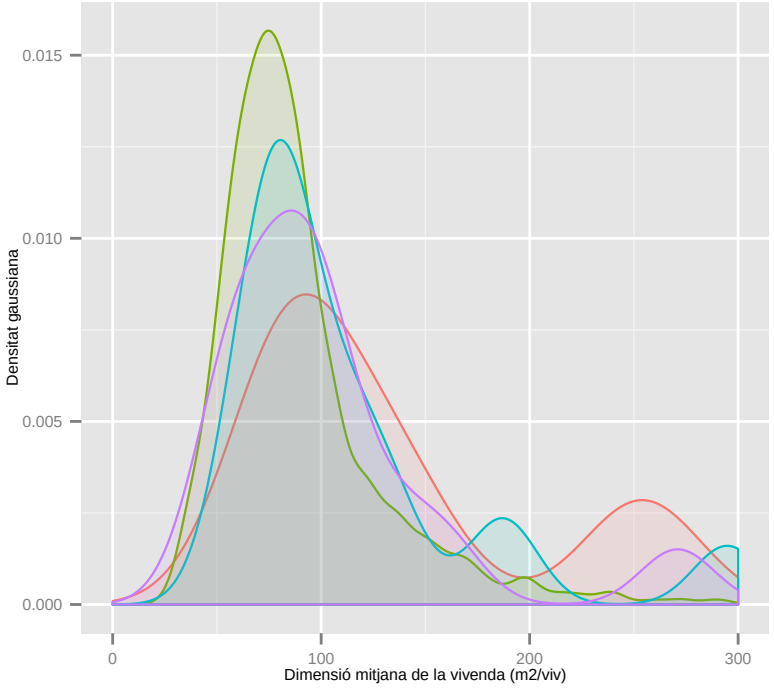


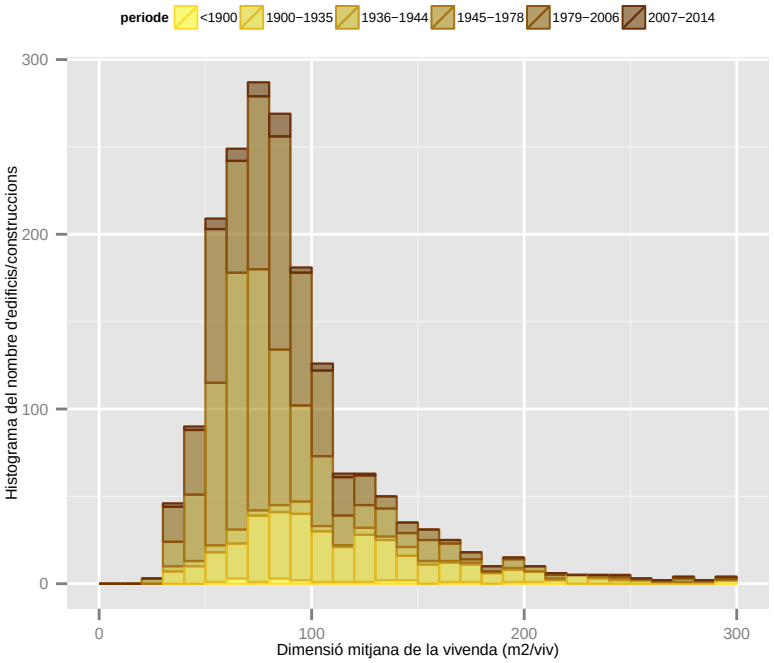


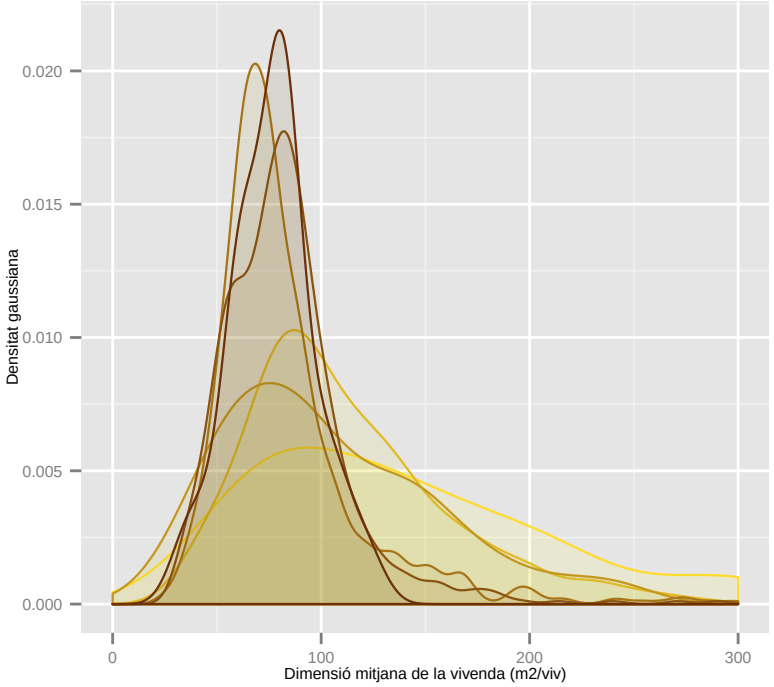
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

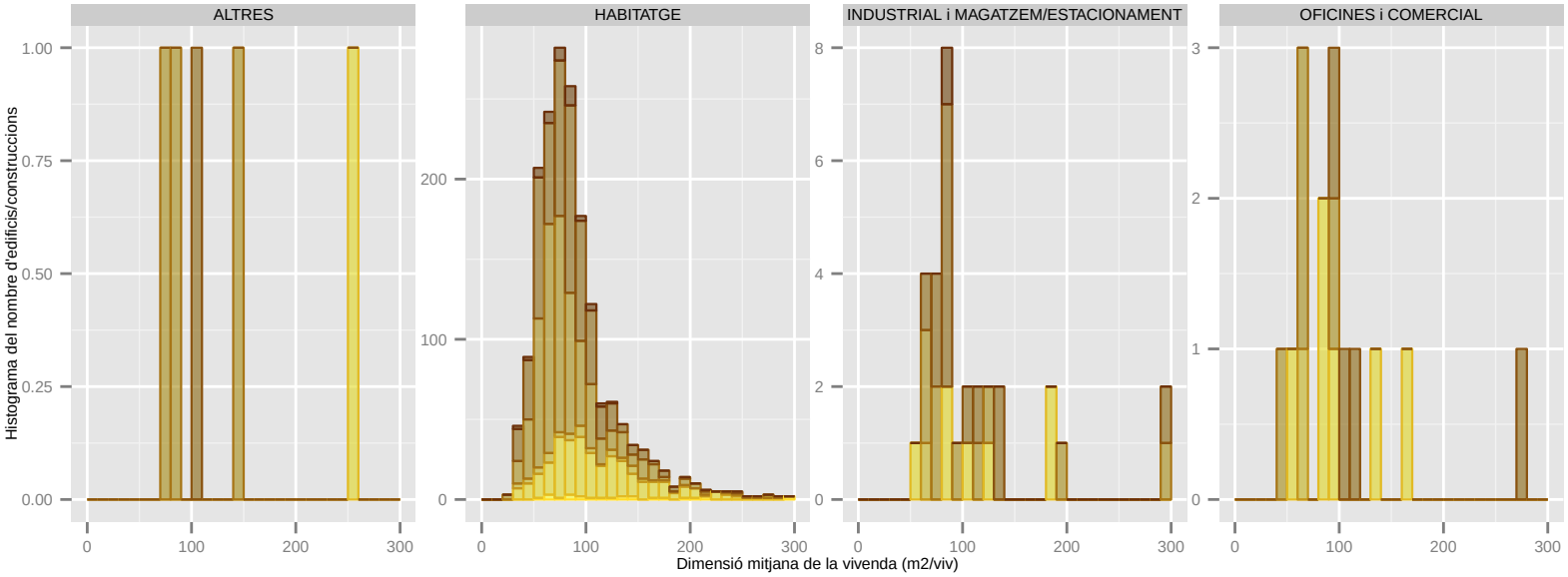
Dimensió mitjana de la vivenda (m2/viv): RIPOLLET





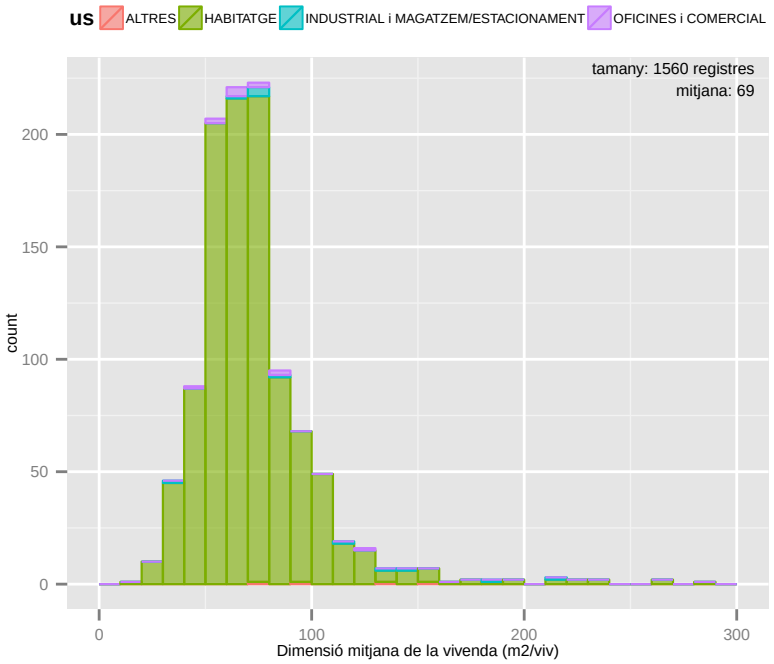


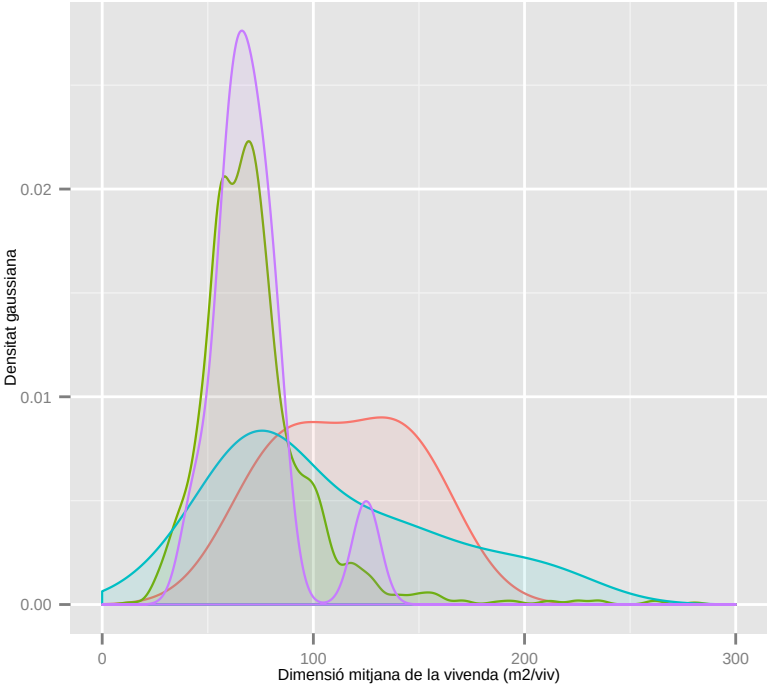


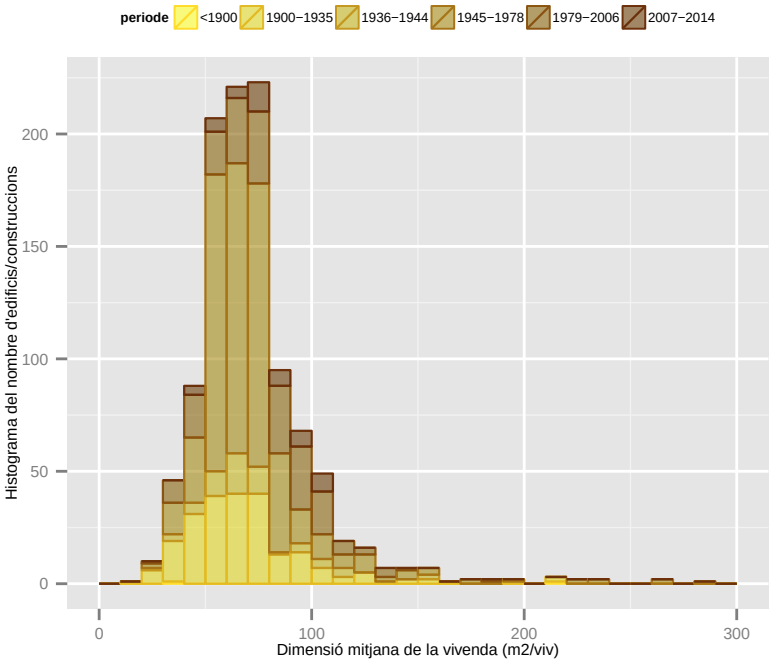


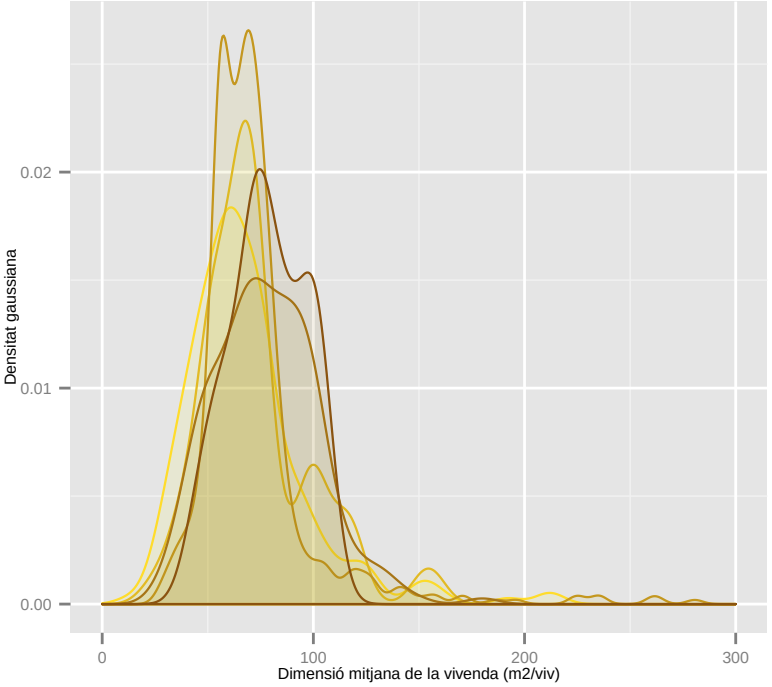
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

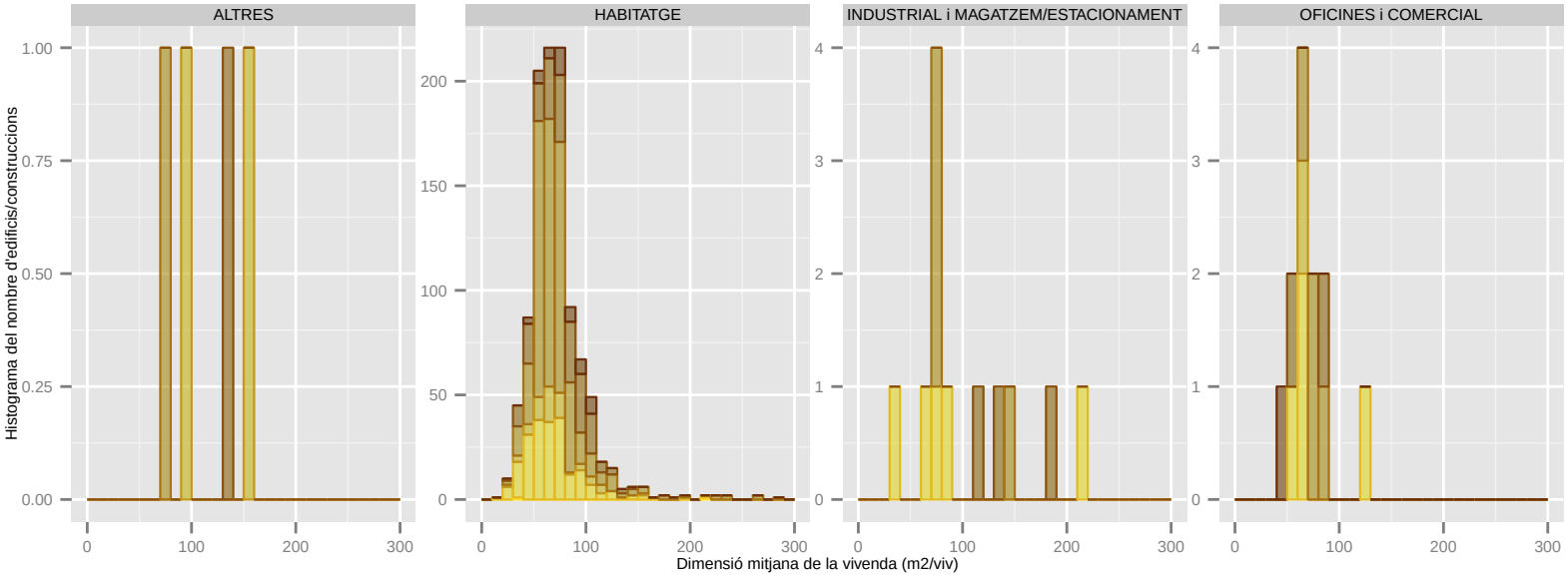
Dimensió mitjana de la vivenda (m2/viv): SANT ADRIA DE BESOS





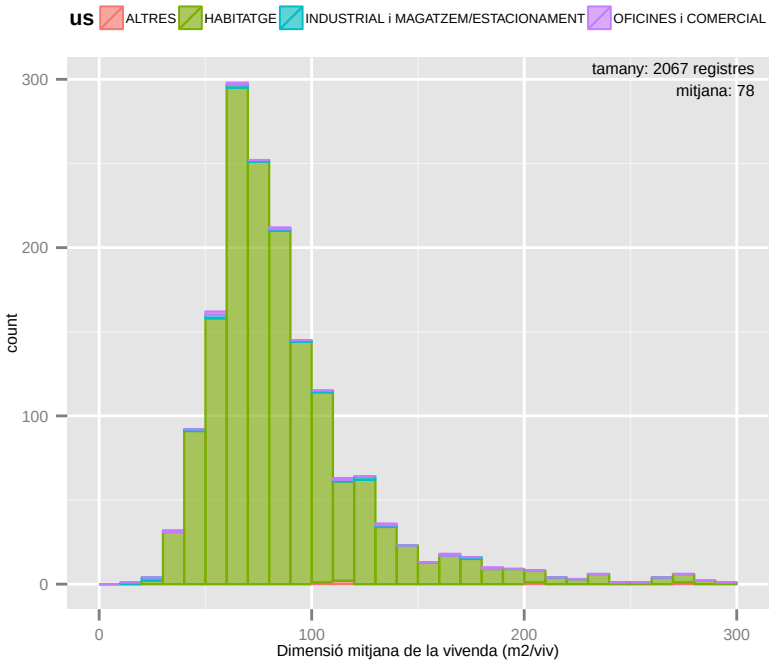


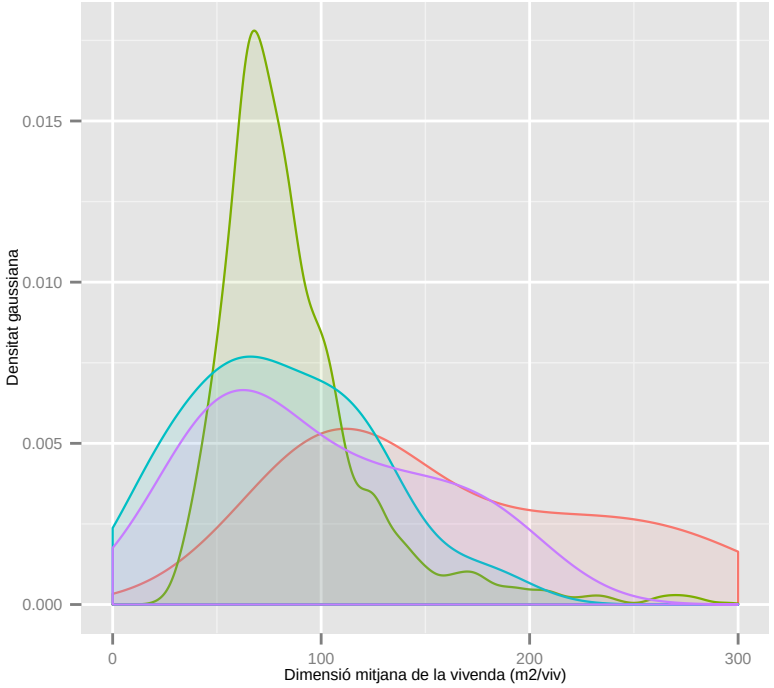


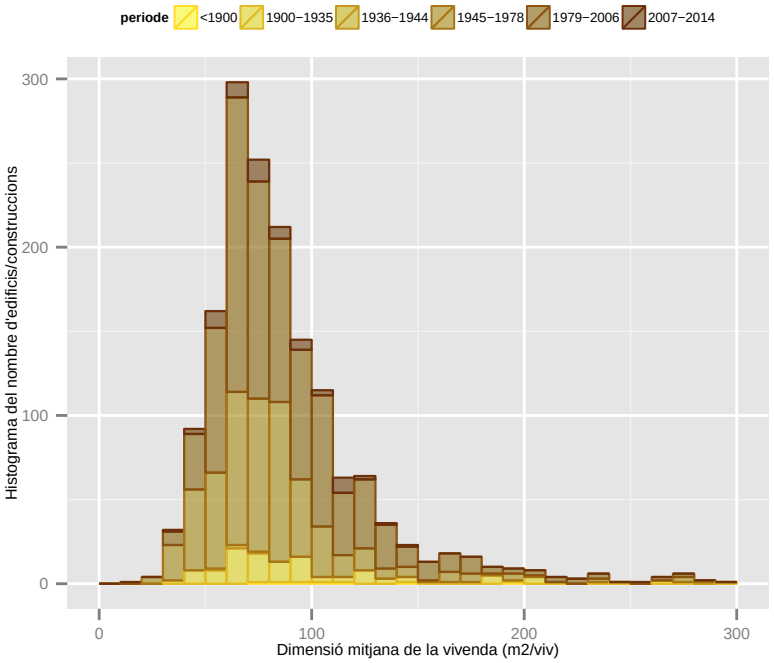


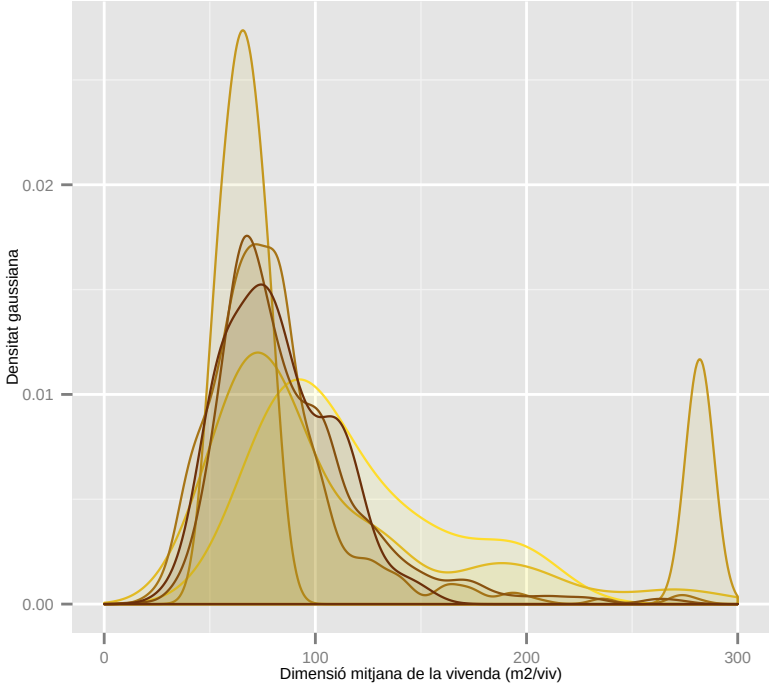
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

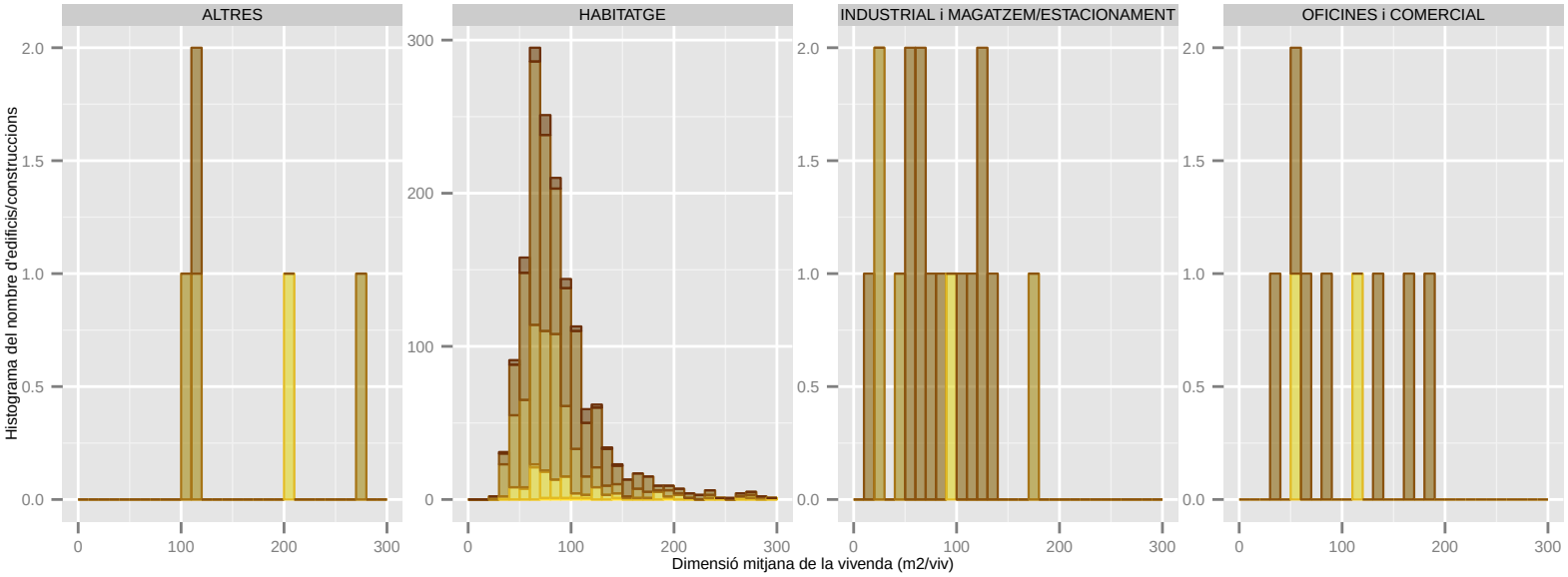
Dimensió mitjana de la vivenda (m2/viv): SANT ANDREU DE LA BARCA











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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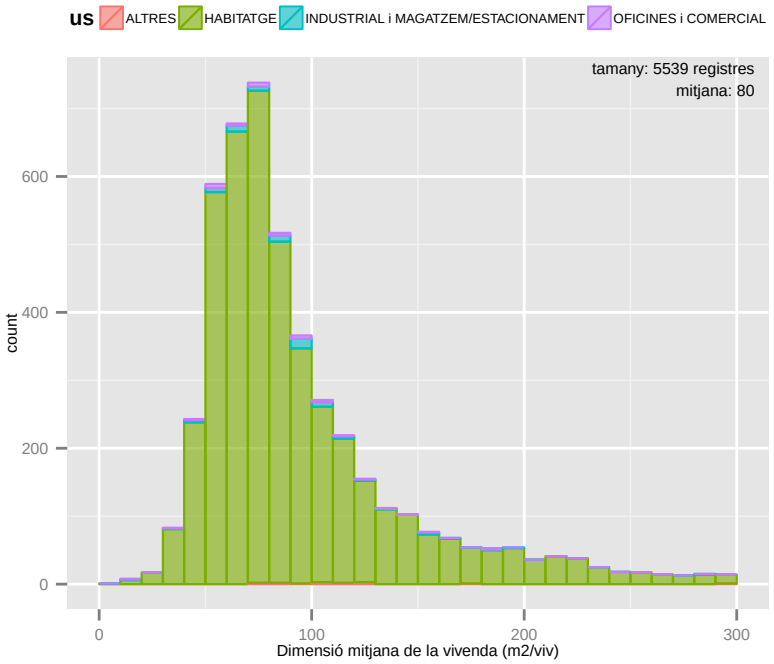
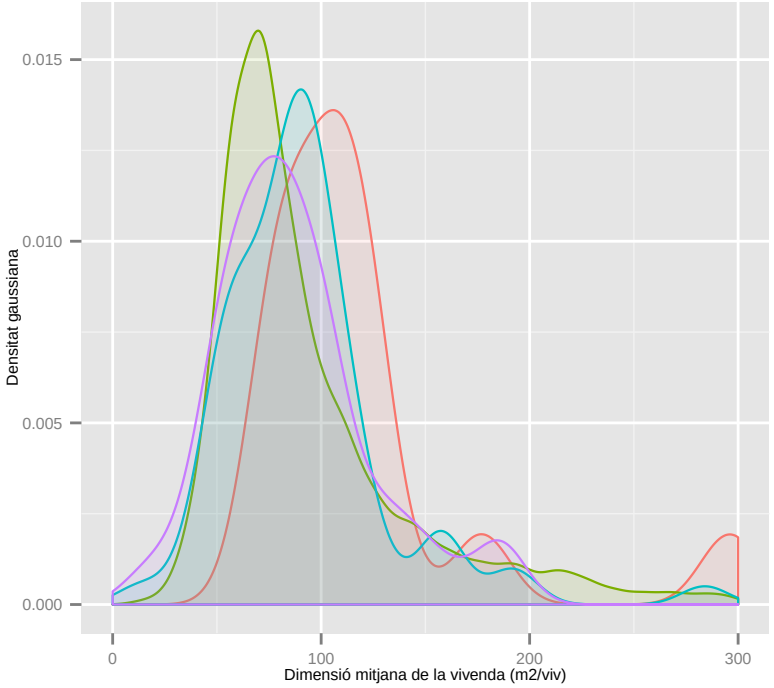
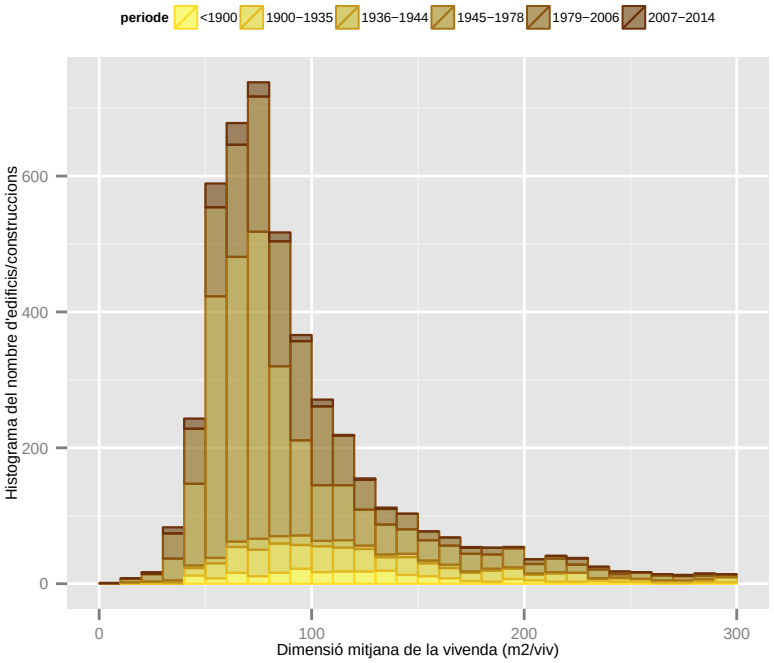
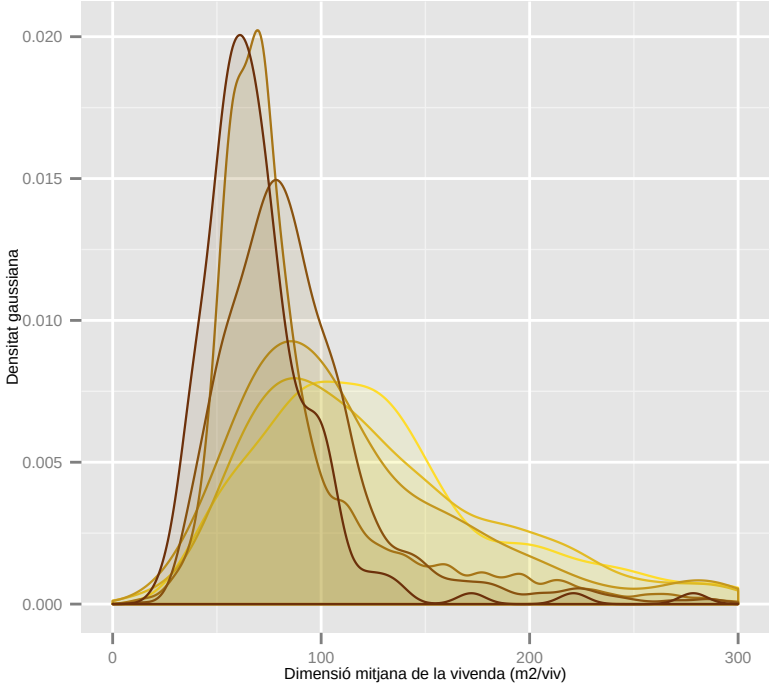
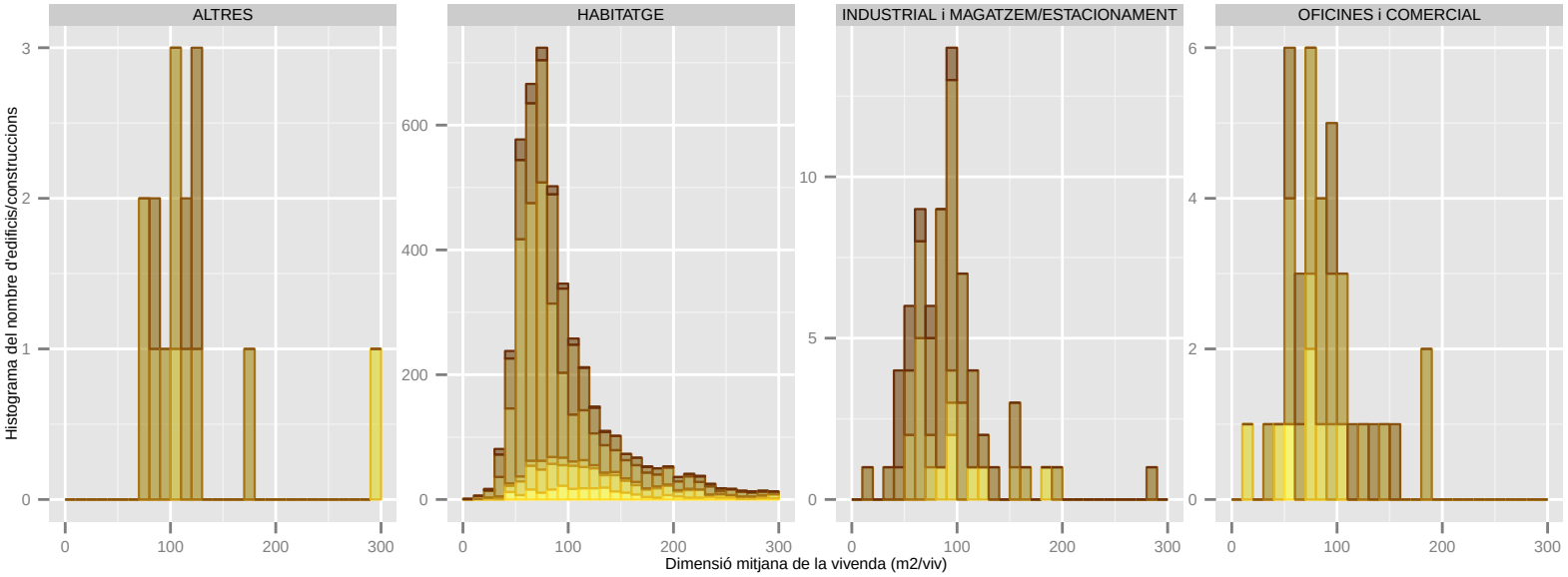
Dimensió mitjana de la vivenda (m2/viv): SANT BOI DE LLOBREGAT





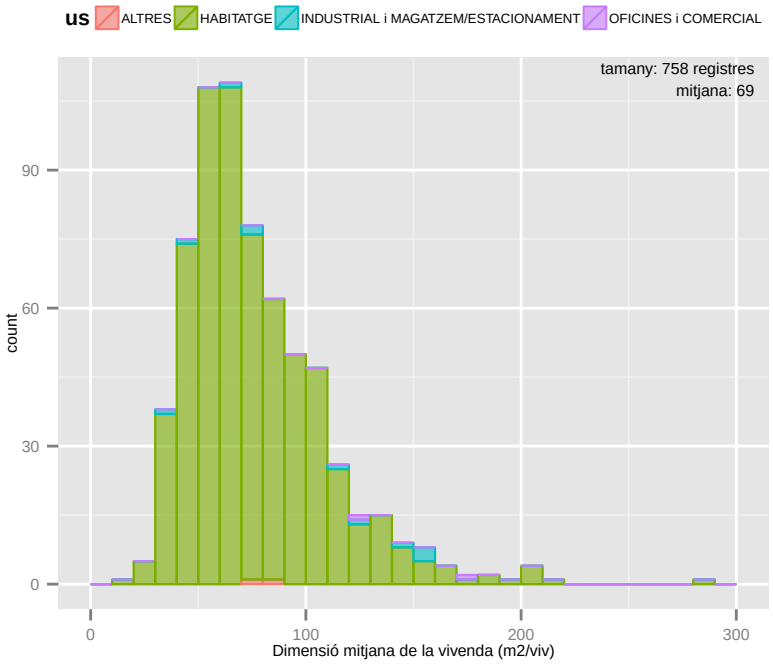


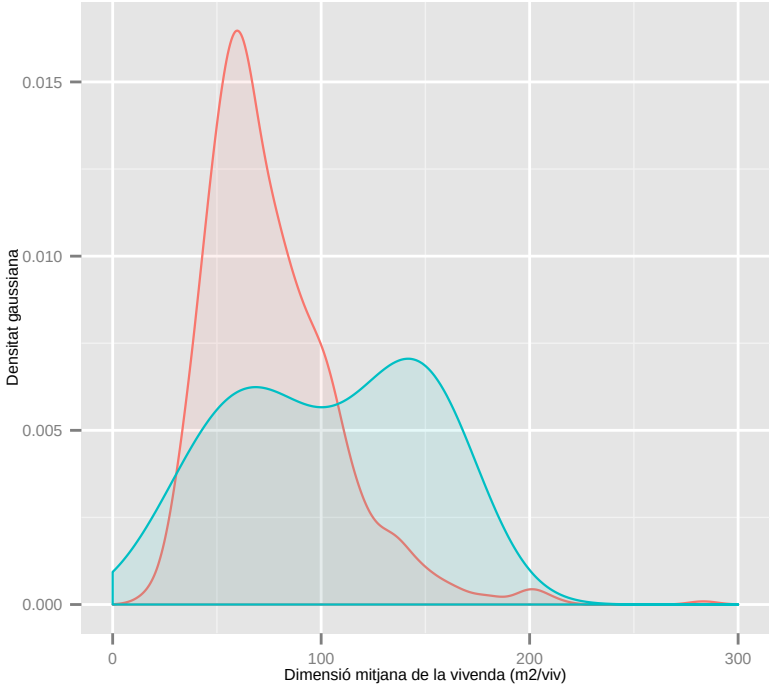


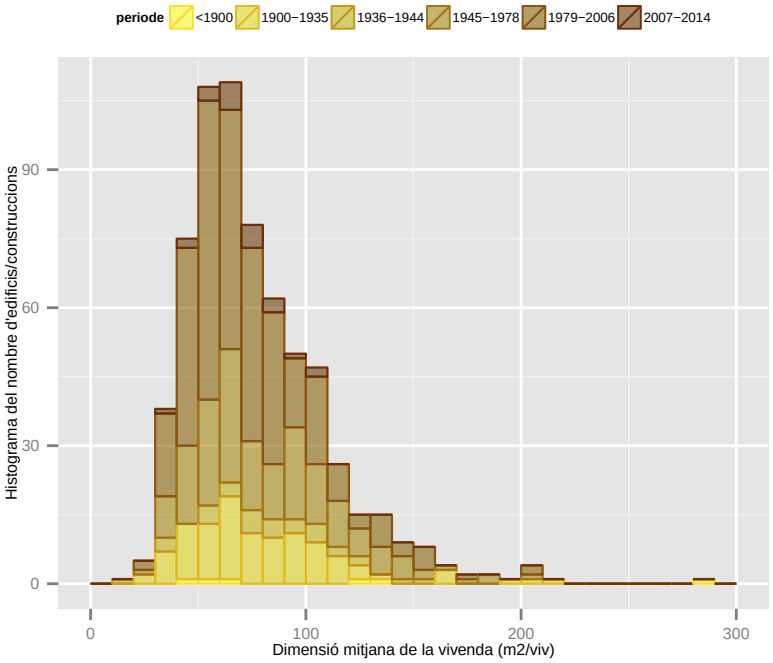


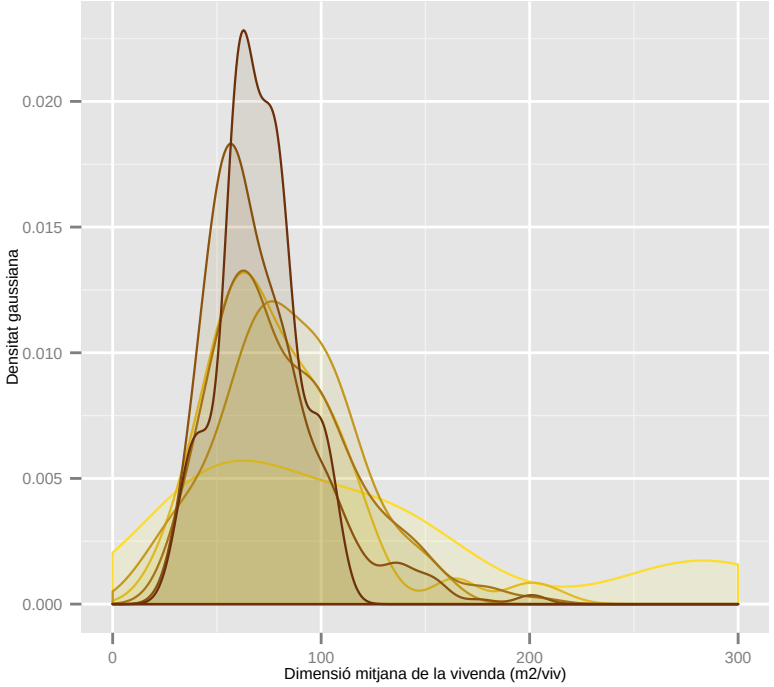
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

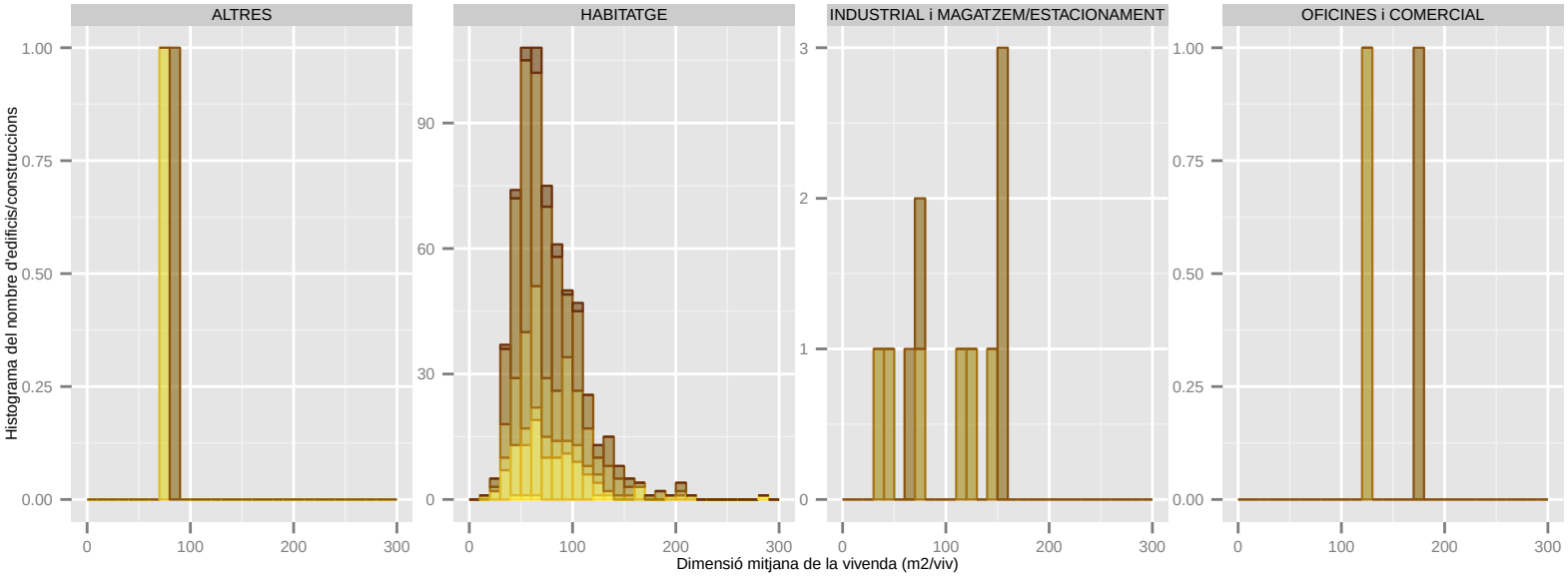
Dimensió mitjana de la vivenda (m2/viv): SANT CLIMENT DE LLOBREGAT





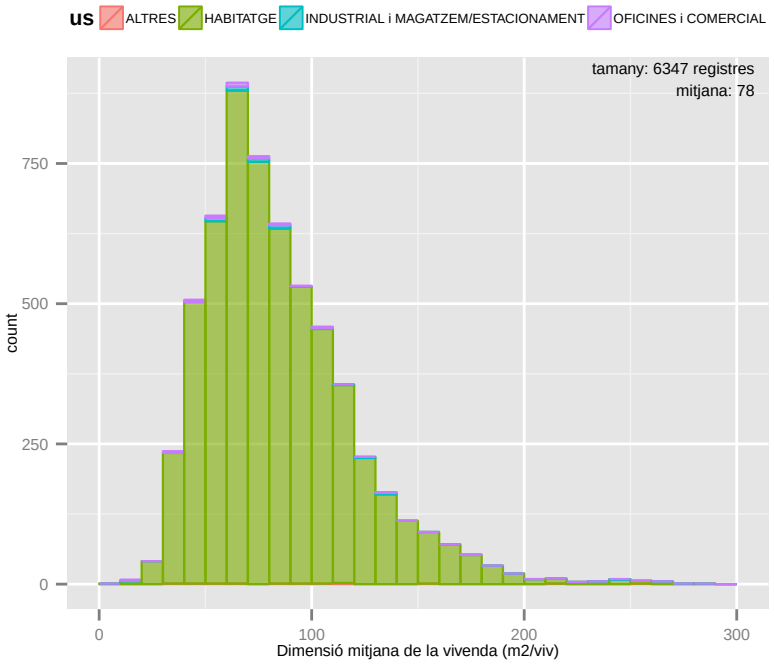


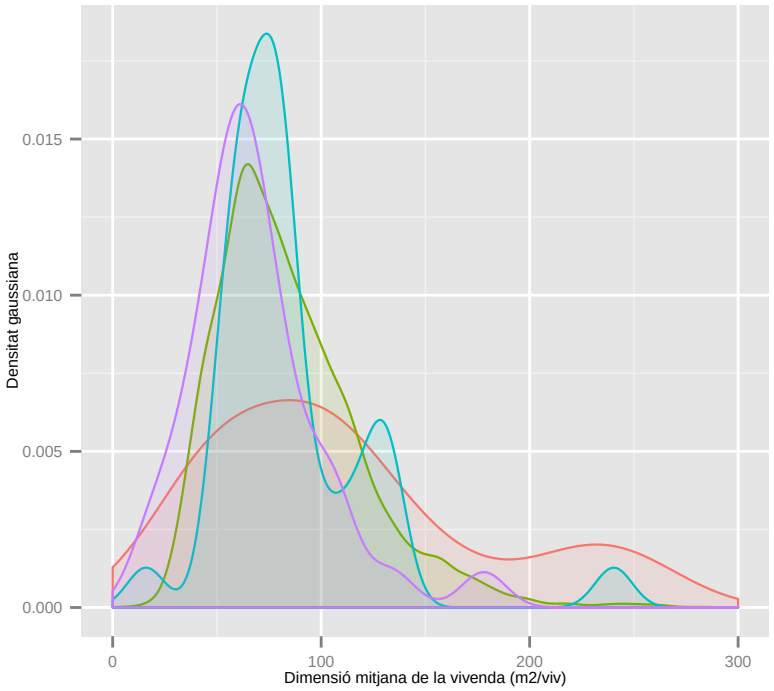


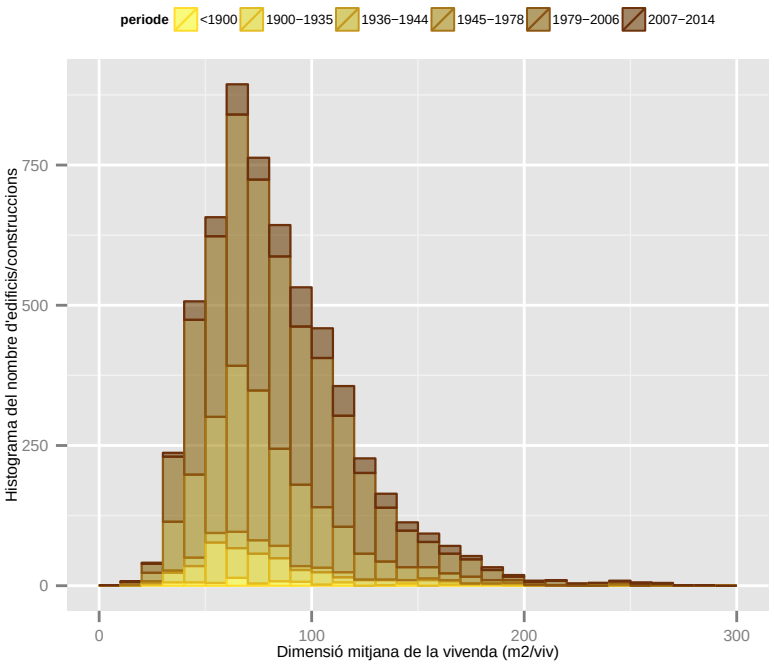


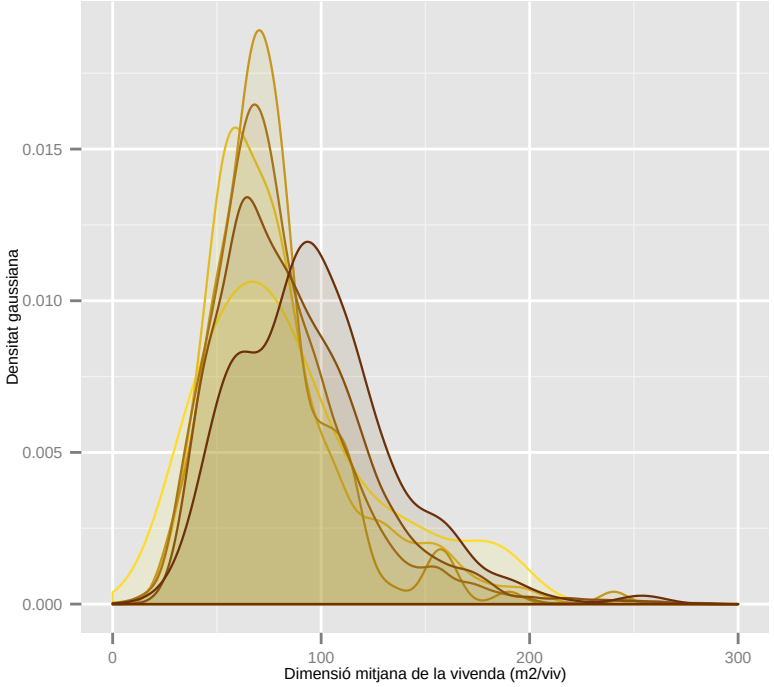
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

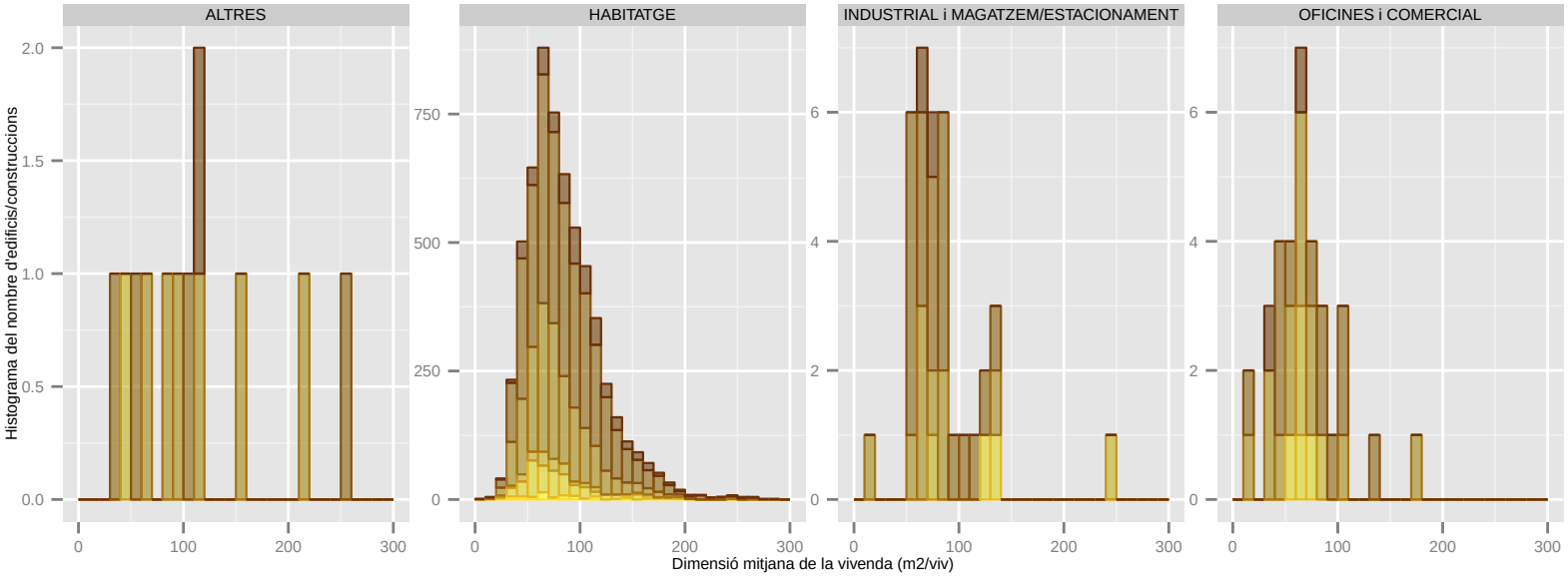
Dimensió mitjana de la vivenda (m2/viv): SANT CUGAT DEL VALLES





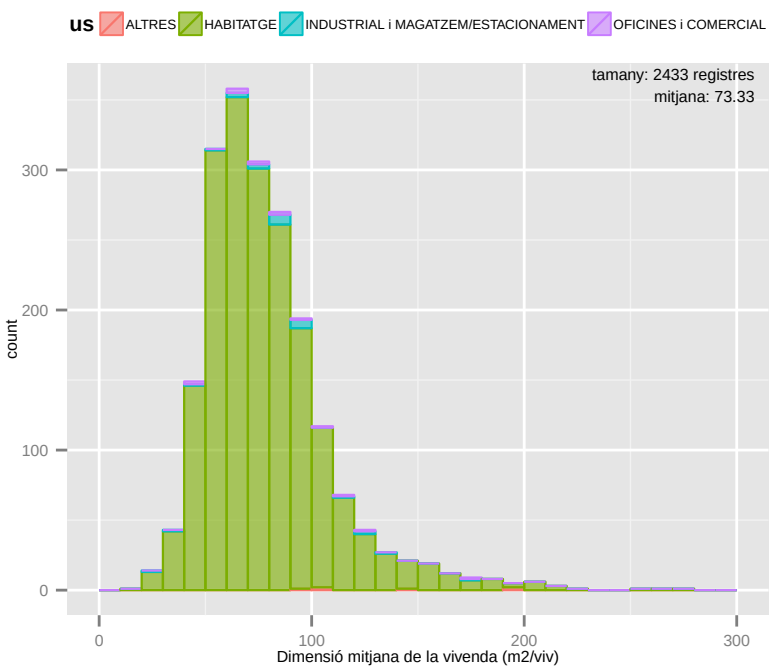


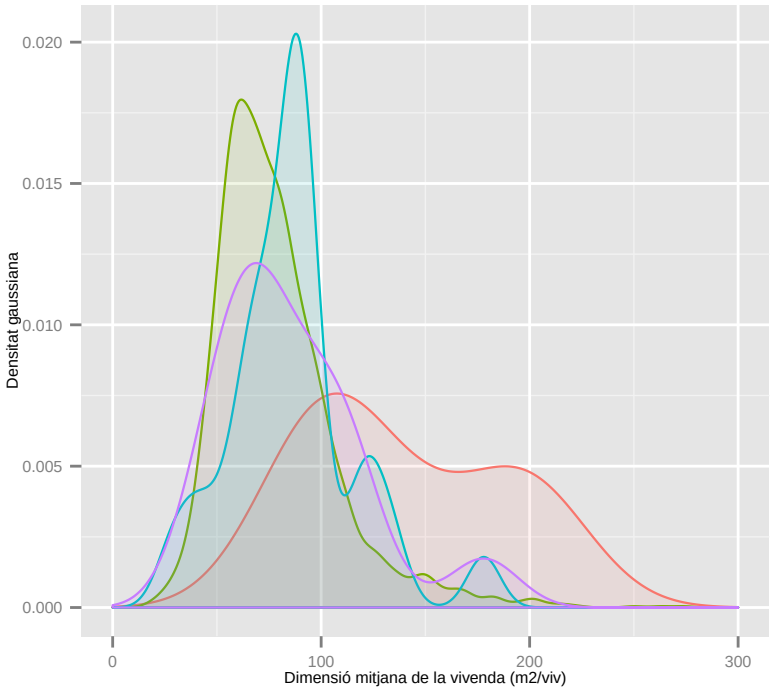


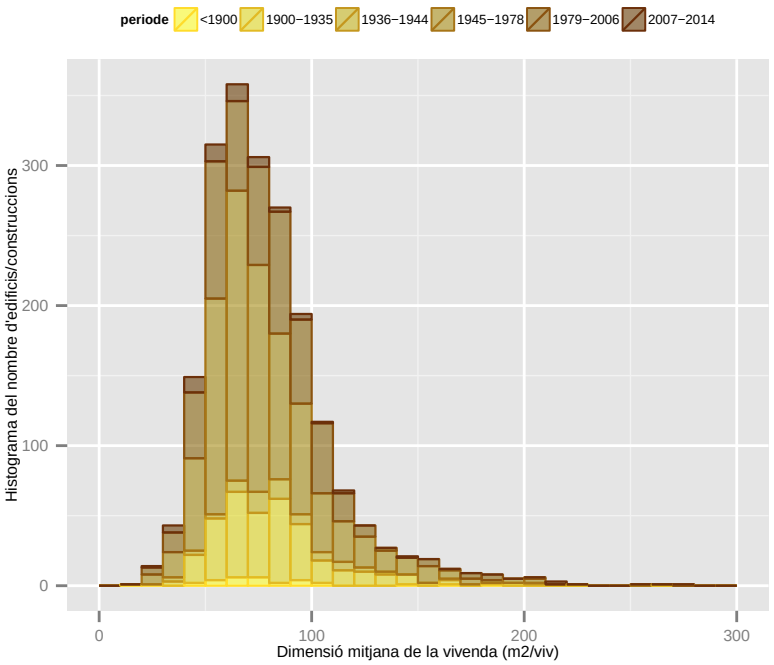


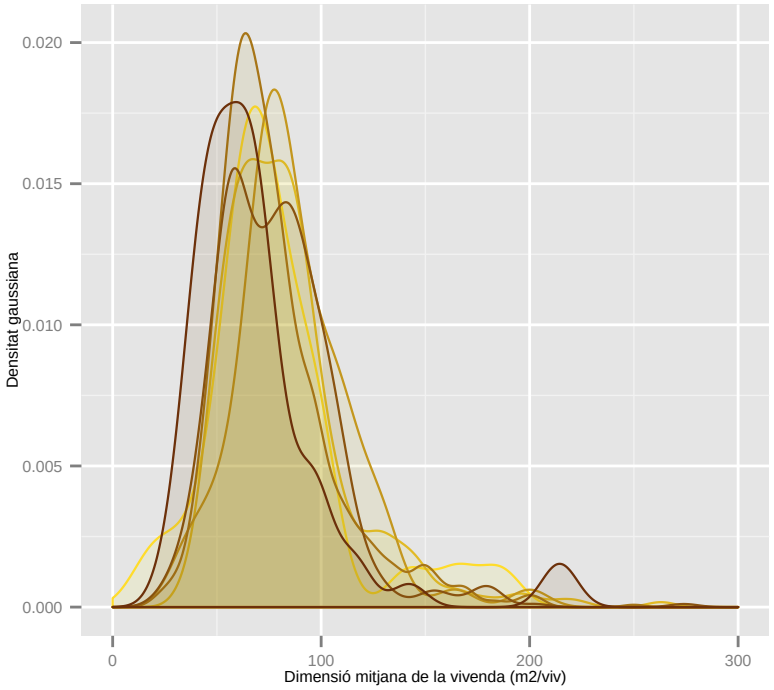
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

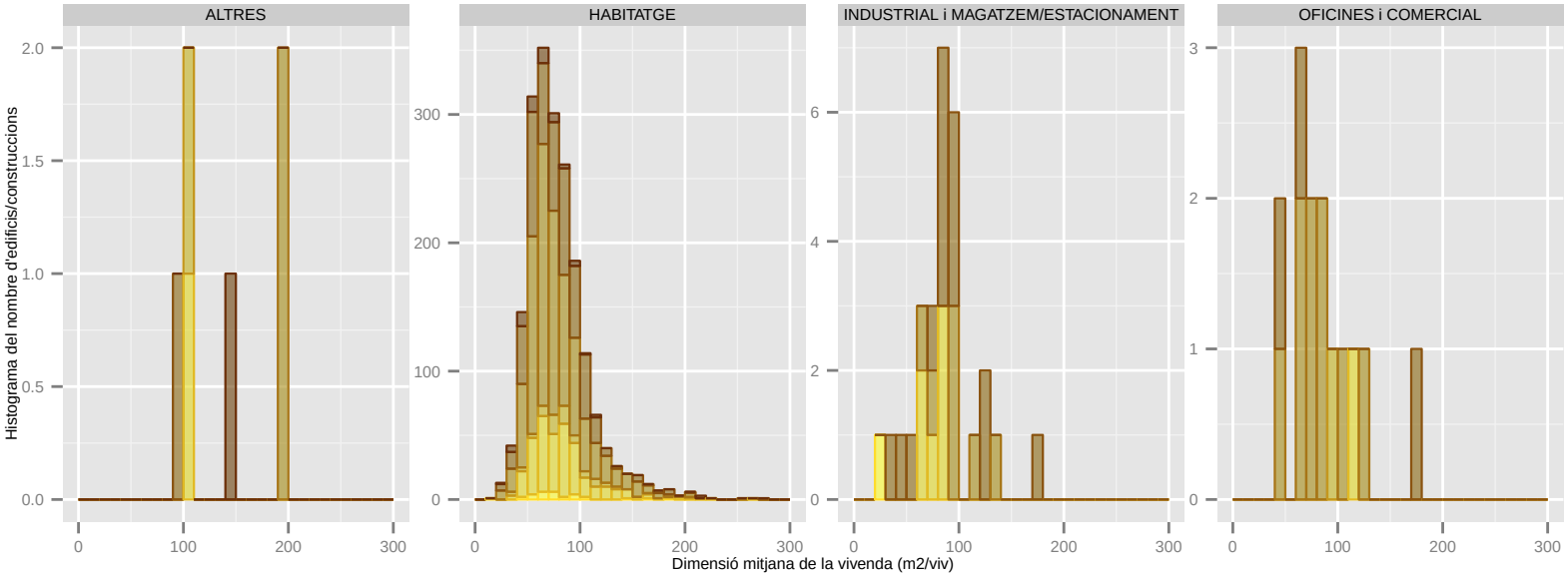
Dimensió mitjana de la vivenda (m2/viv): SANT FELIU DE LLOBREGAT





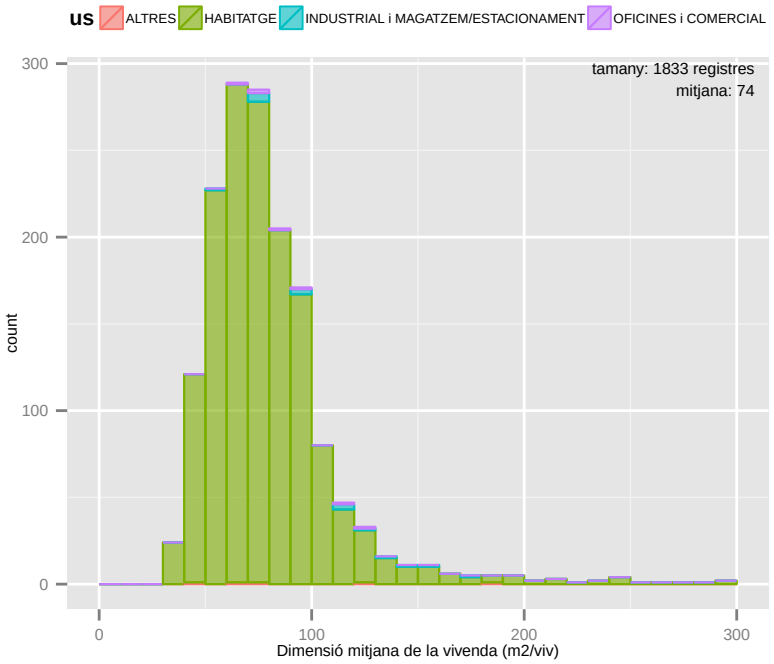


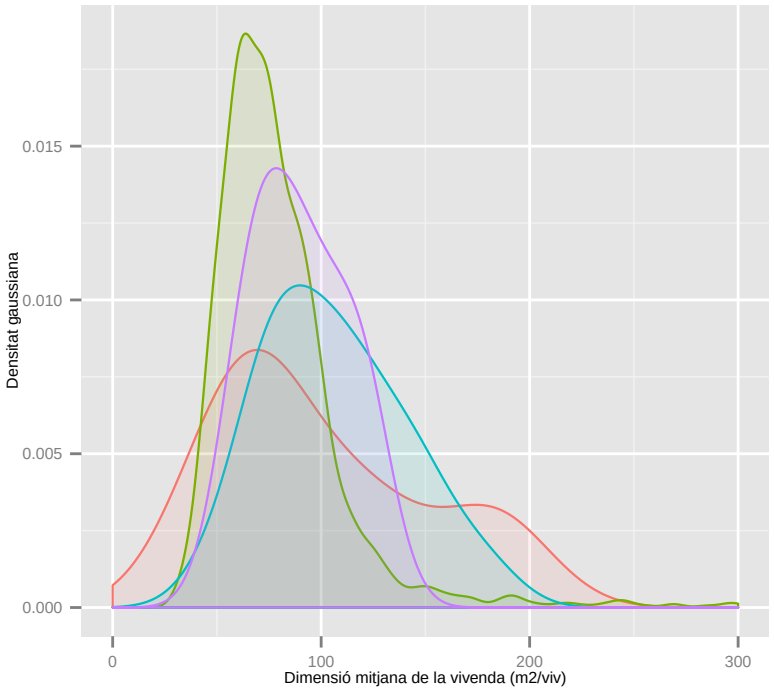


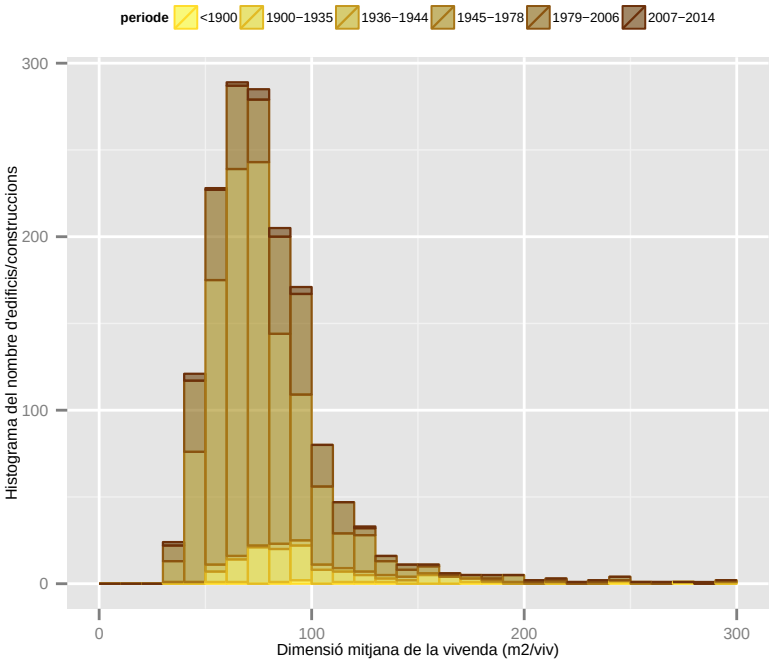


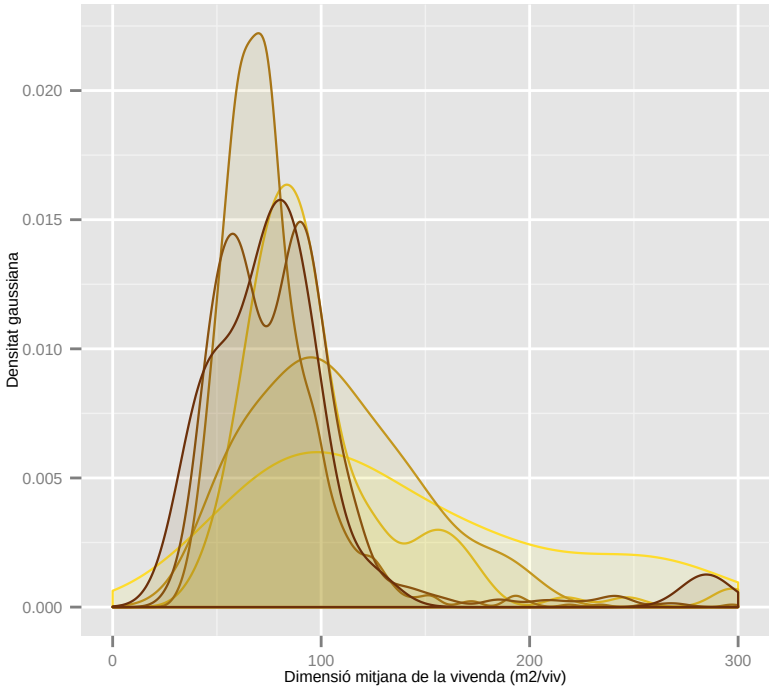
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

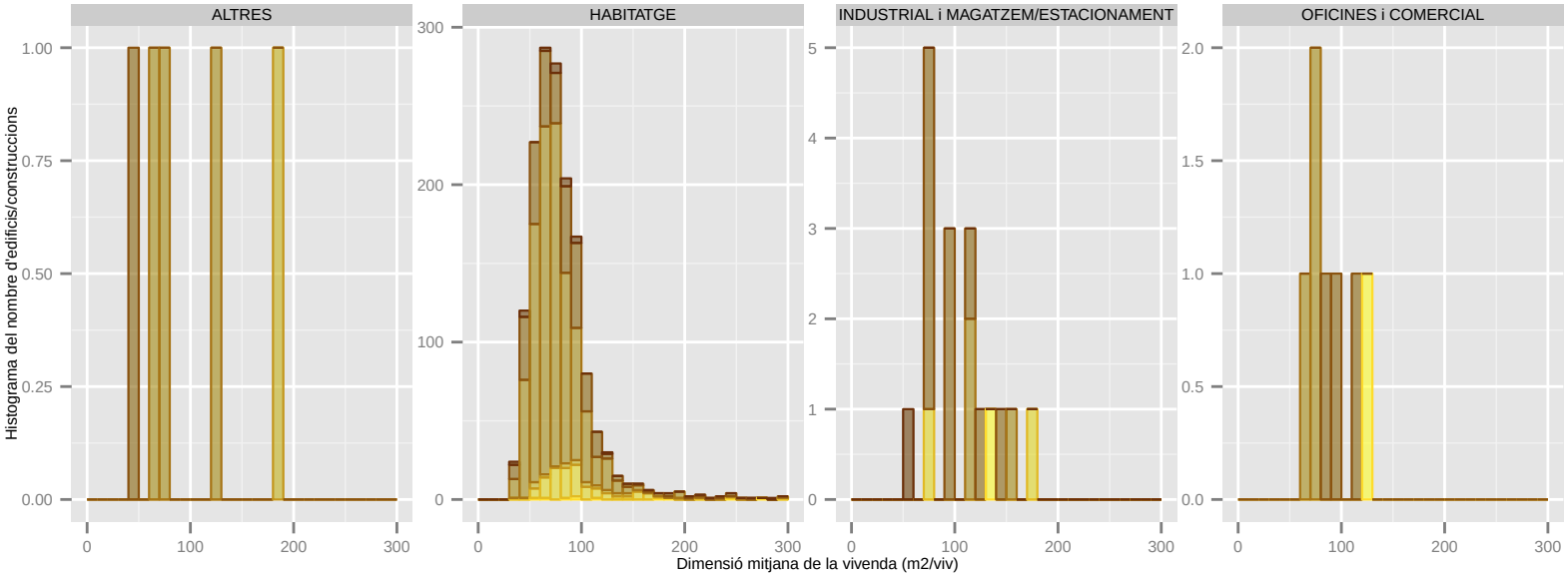
Dimensió mitjana de la vivenda (m2/viv): SANT JOAN DESPI





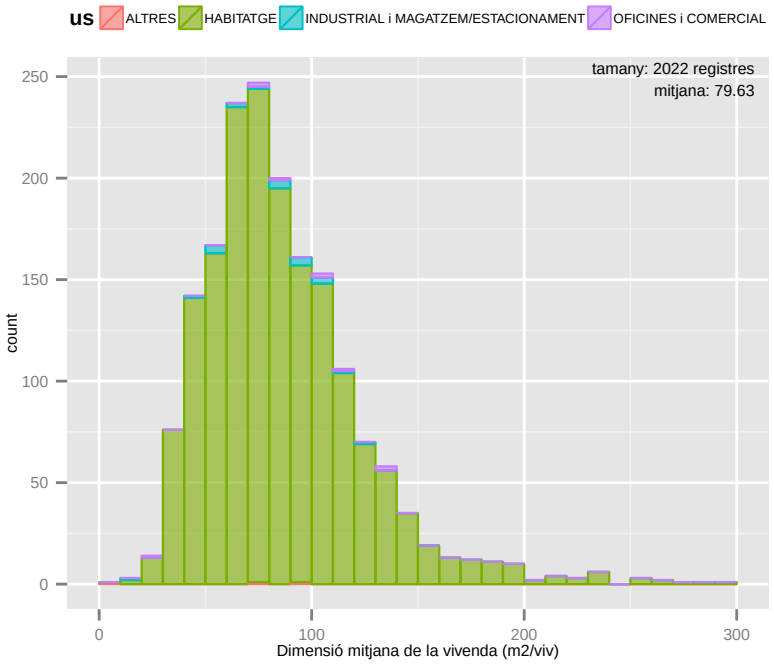


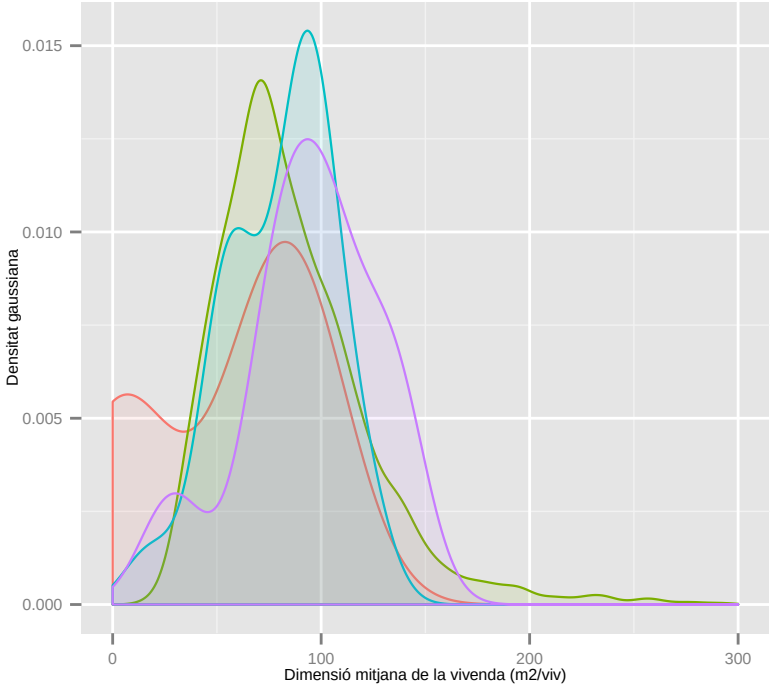


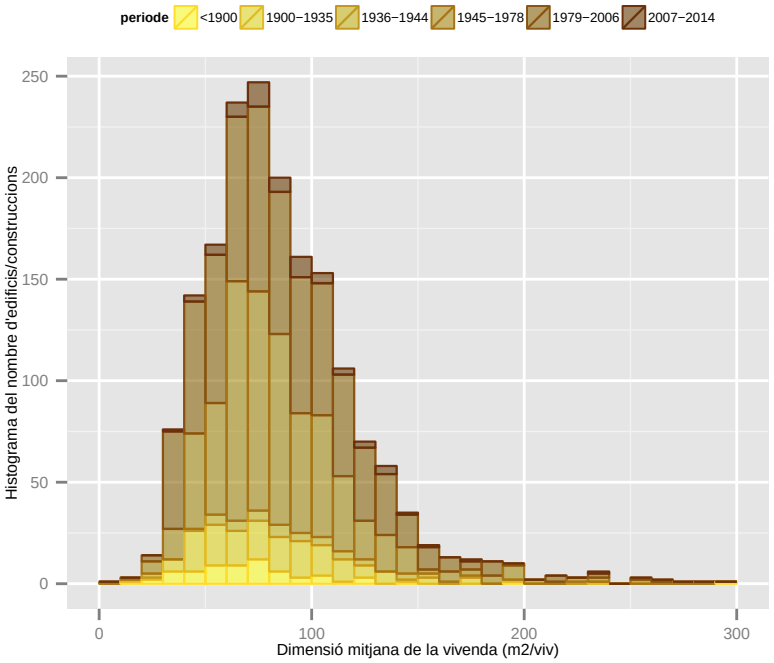


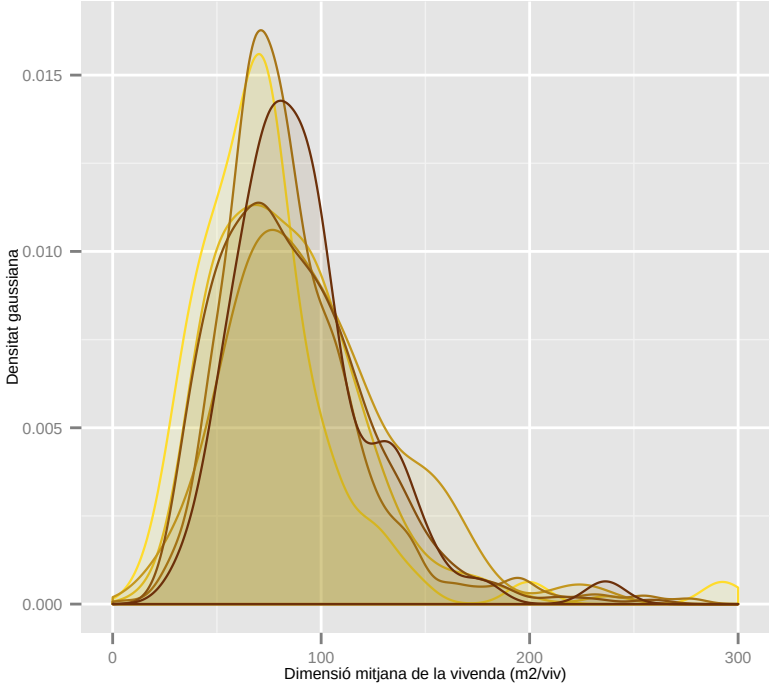
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

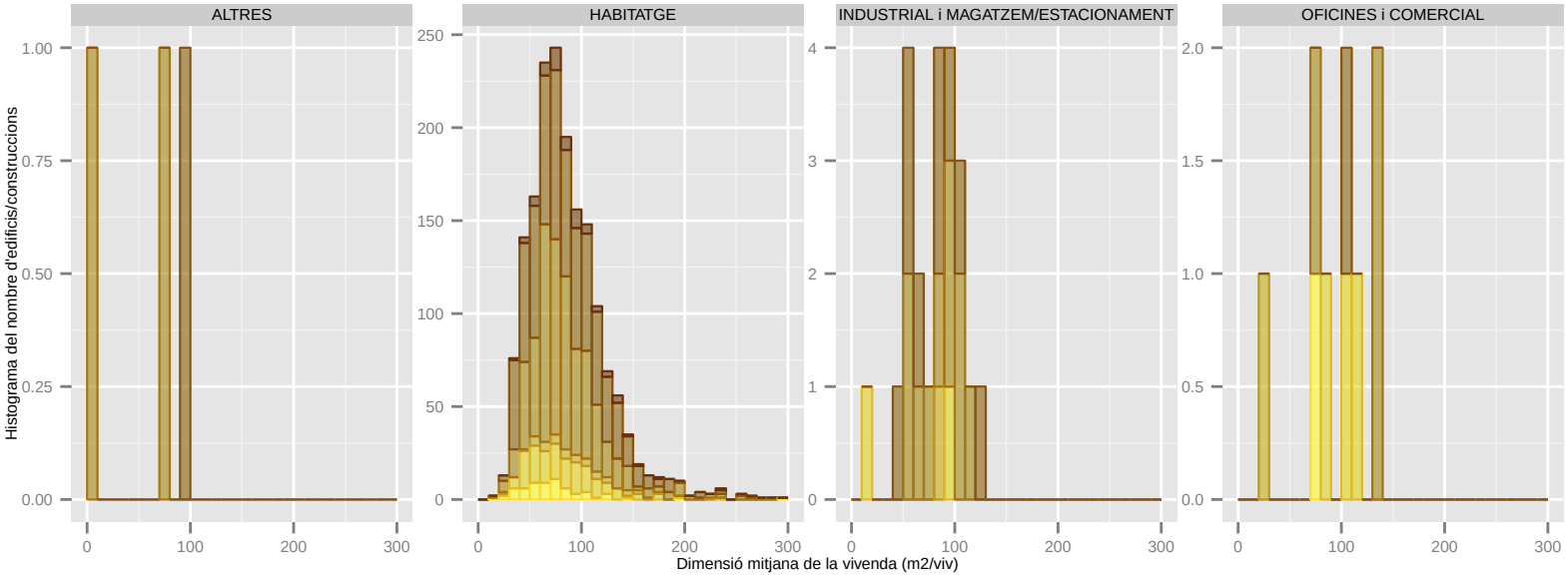
Dimensió mitjana de la vivenda (m2/viv): SANT JUST DESVERN





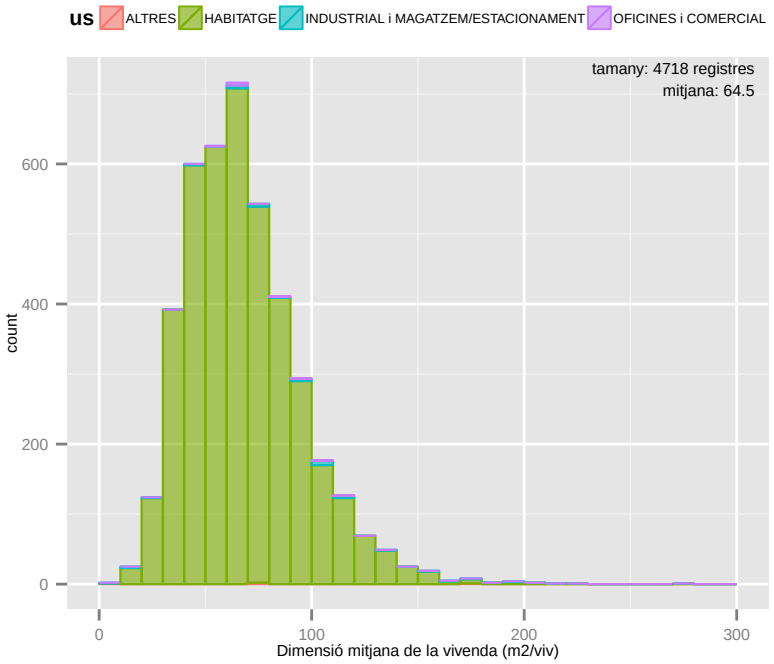


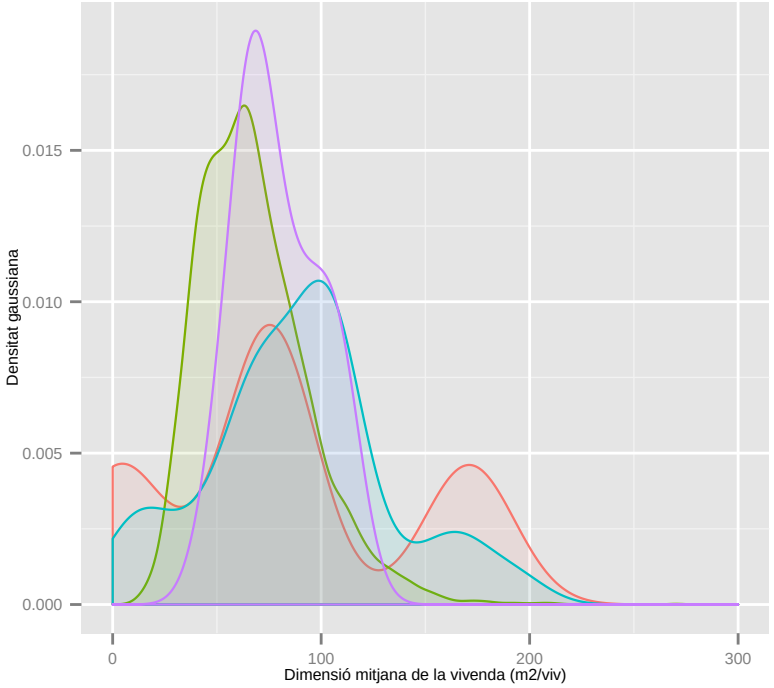


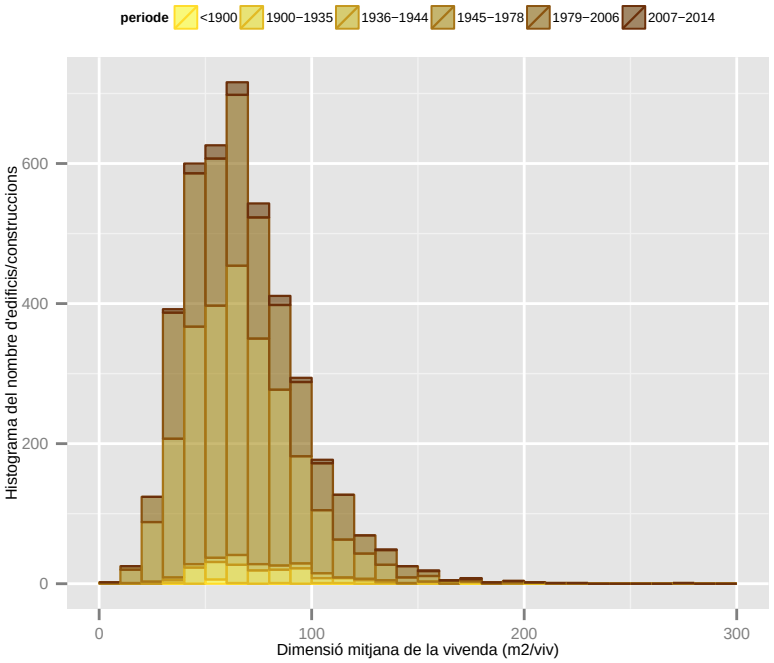


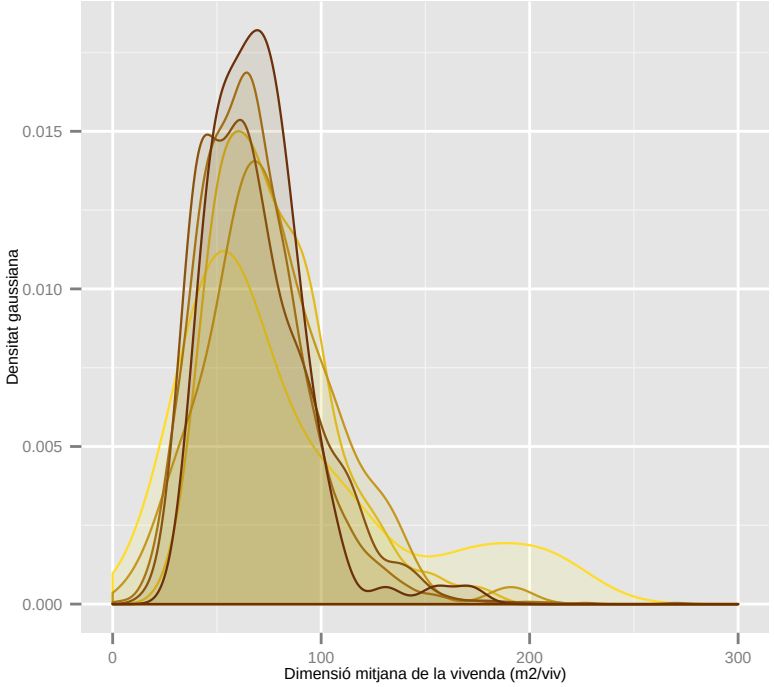
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

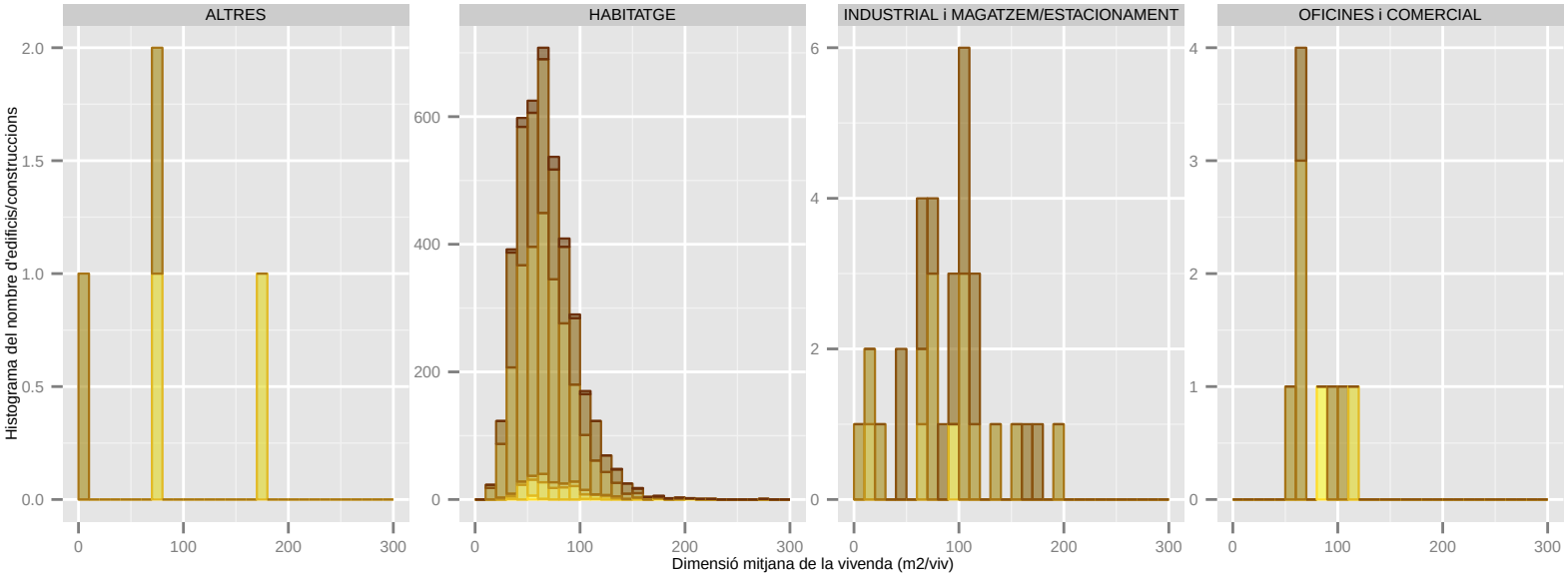
Dimensió mitjana de la vivenda (m2/viv): SANT VICENÃ‡ DELS HORTS





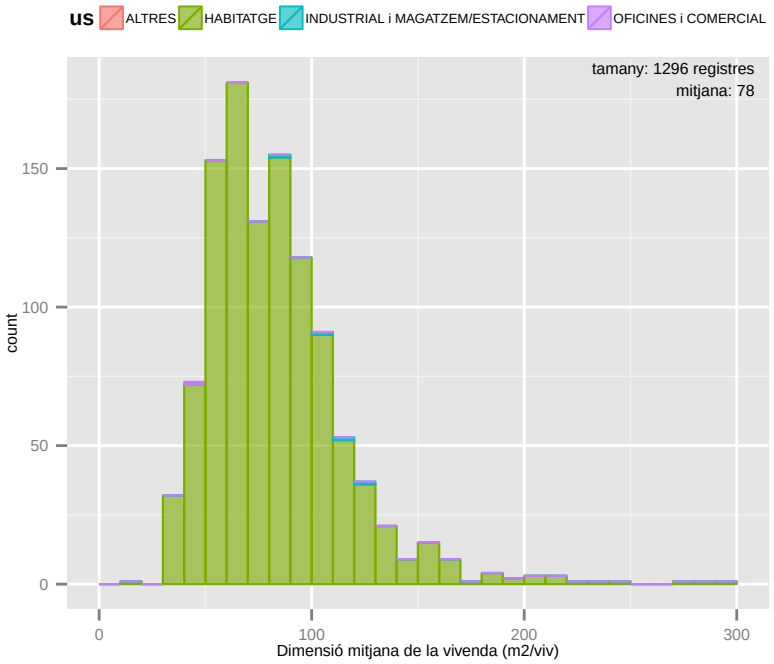


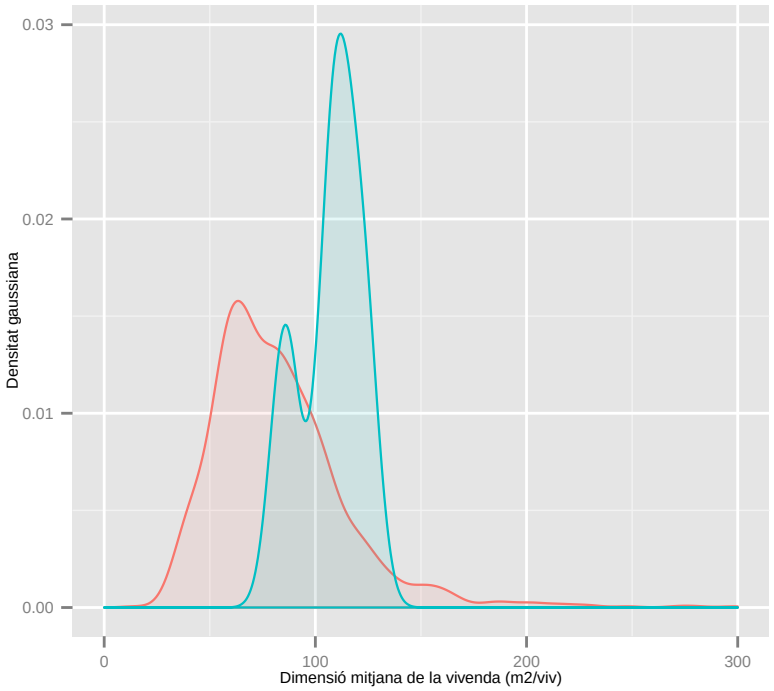


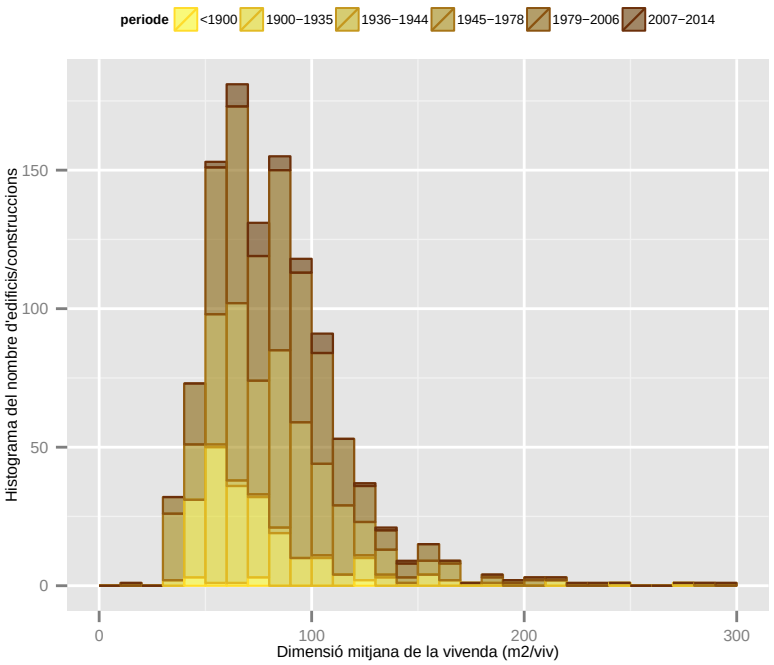


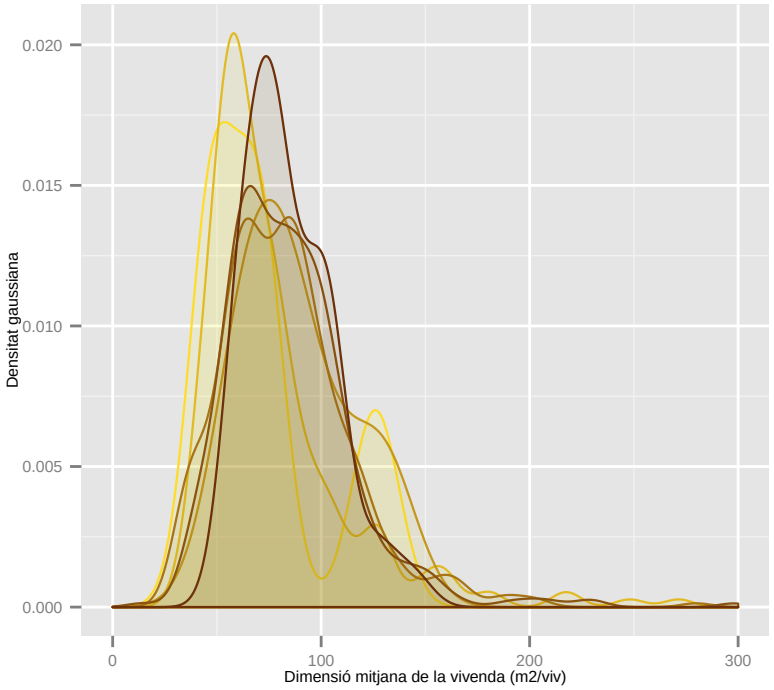
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

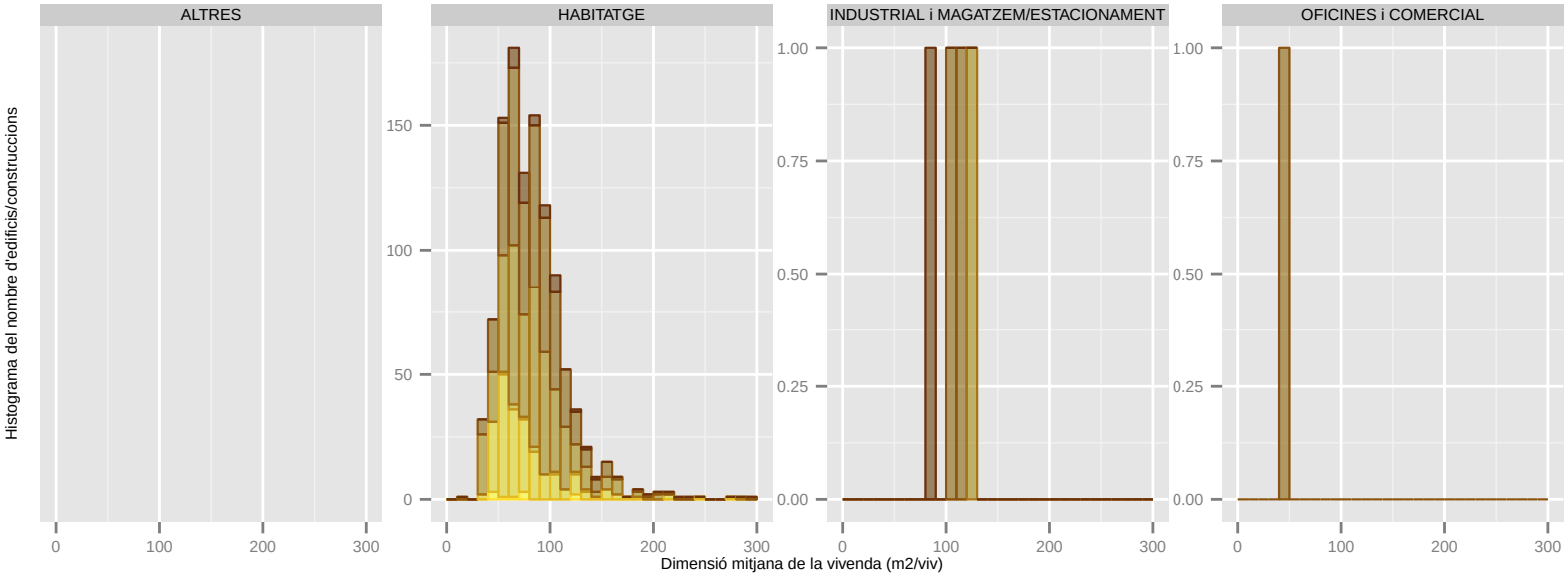
Dimensió mitjana de la vivenda (m2/viv): SANTA COLOMA DE CERVELLO





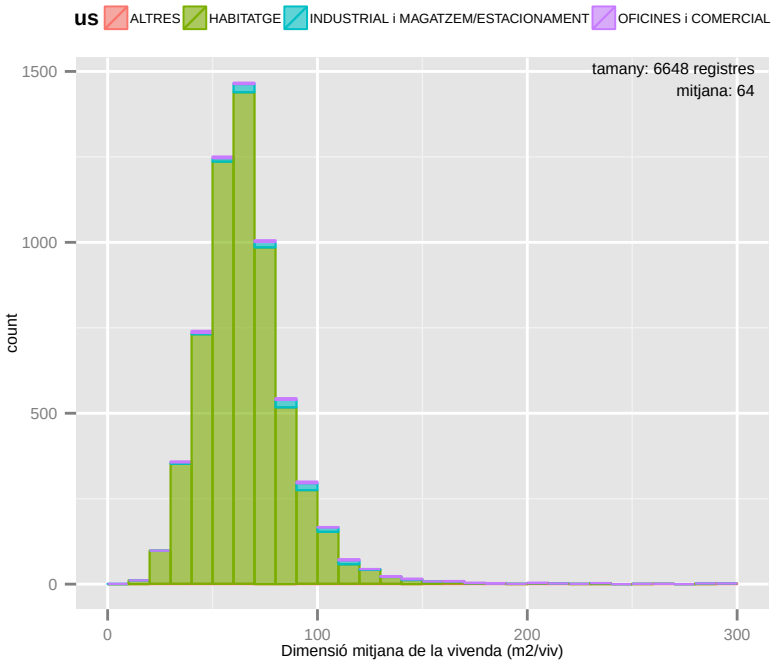


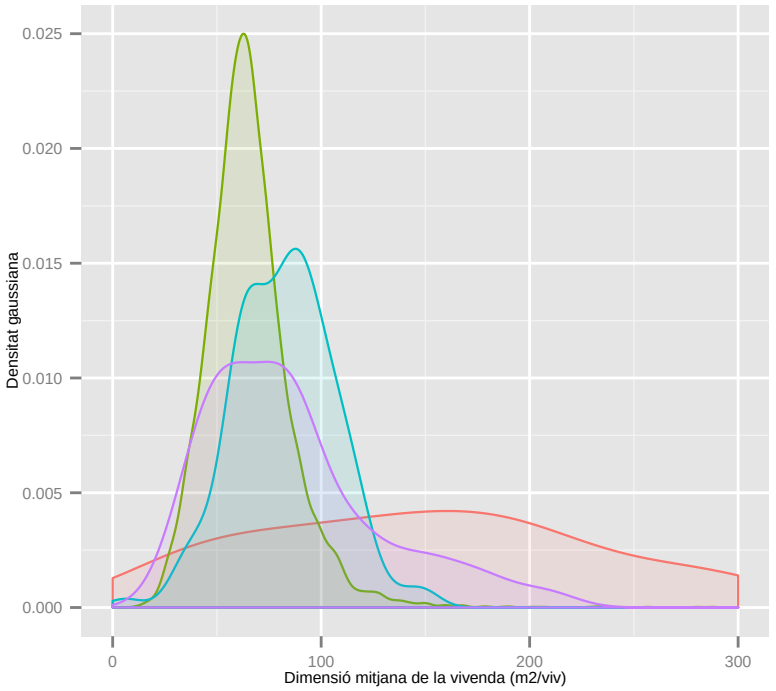


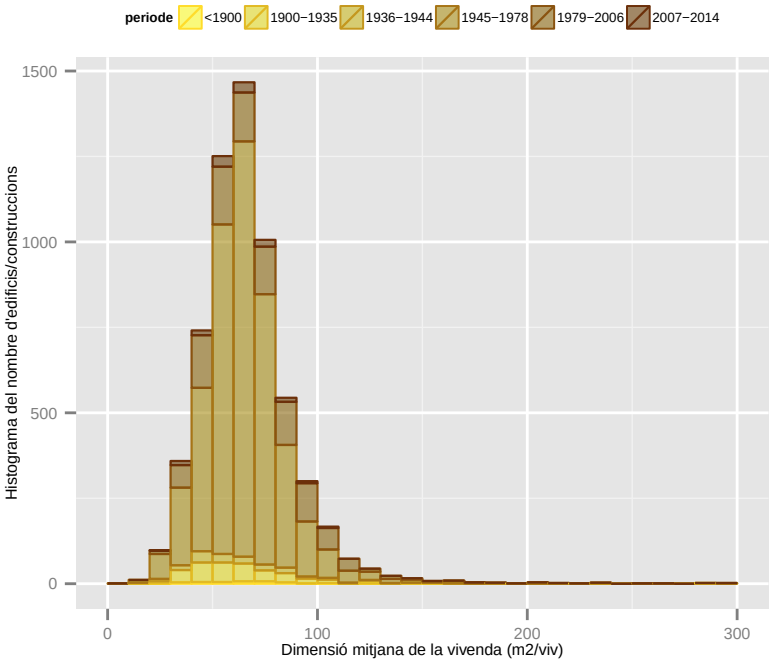


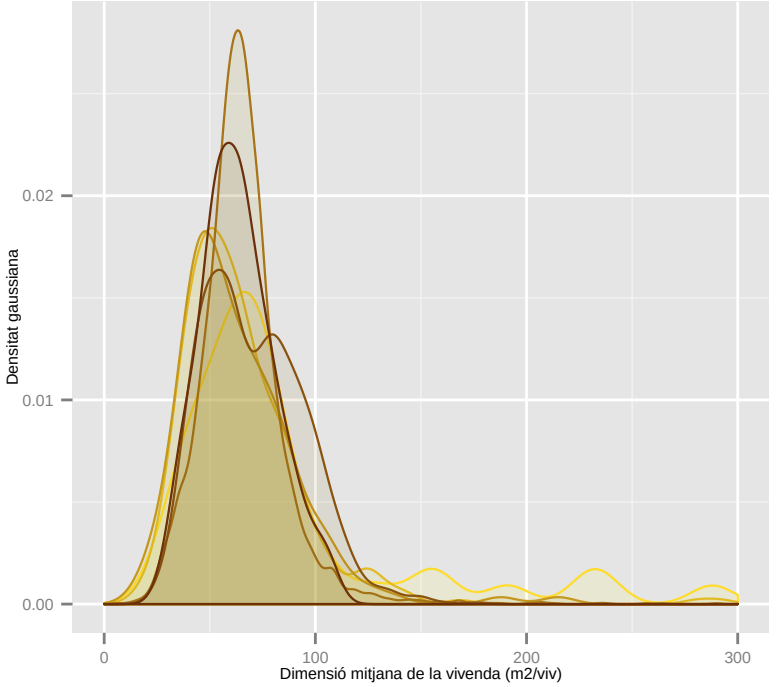
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

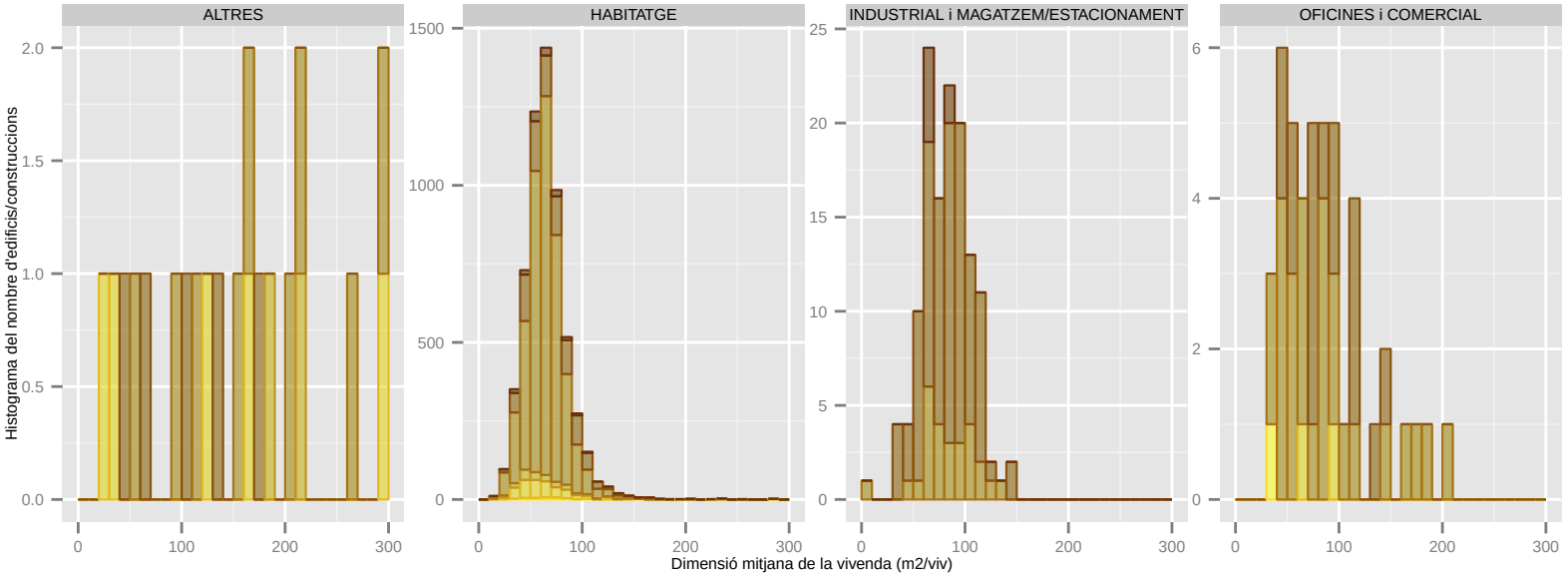
Dimensió mitjana de la vivenda (m2/viv): SANTA COLOMA DE GRAMENET





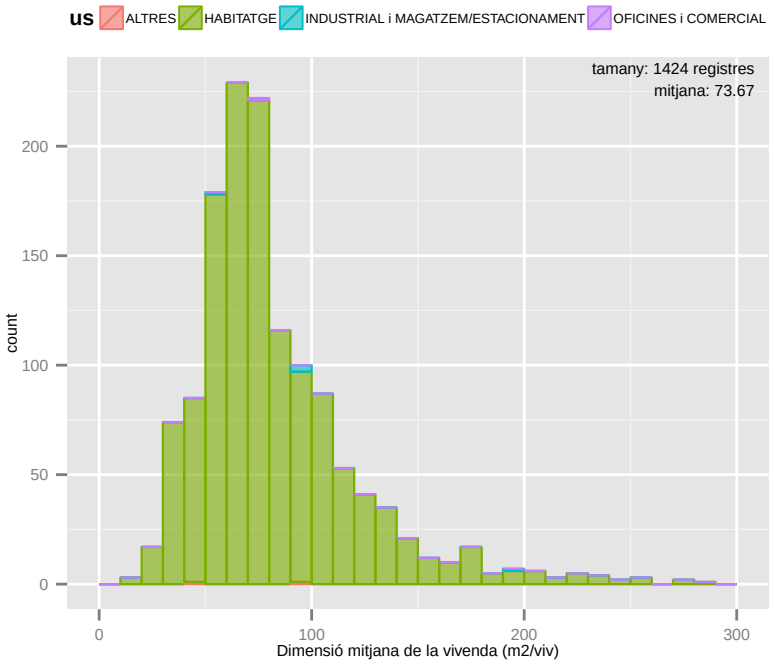


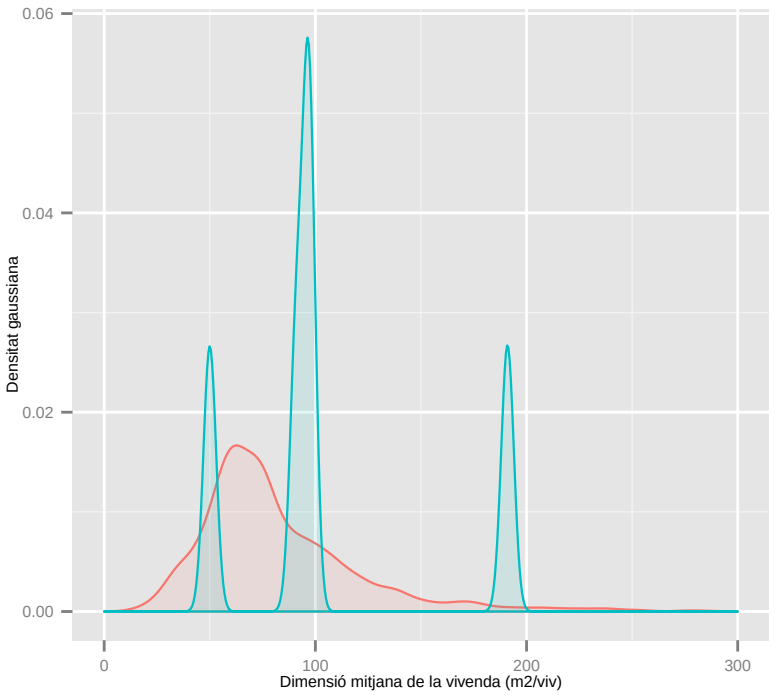


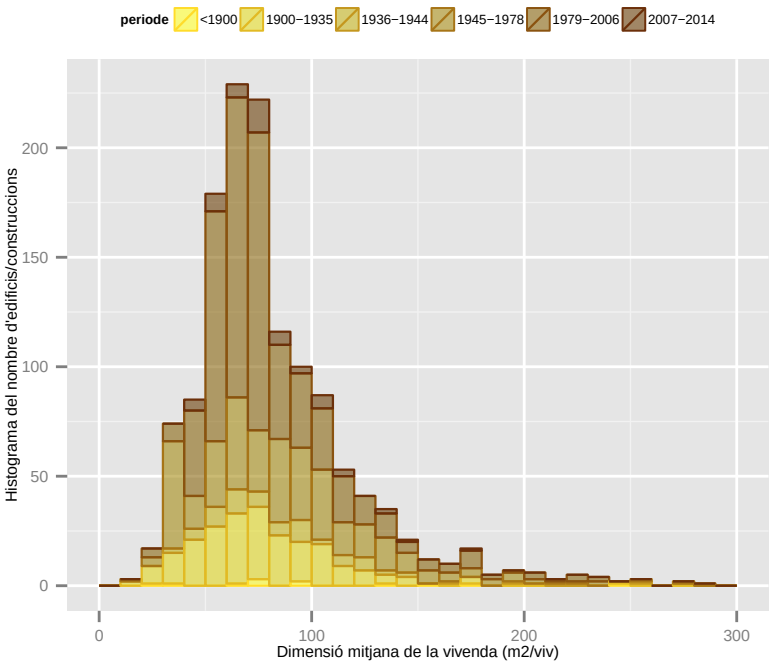


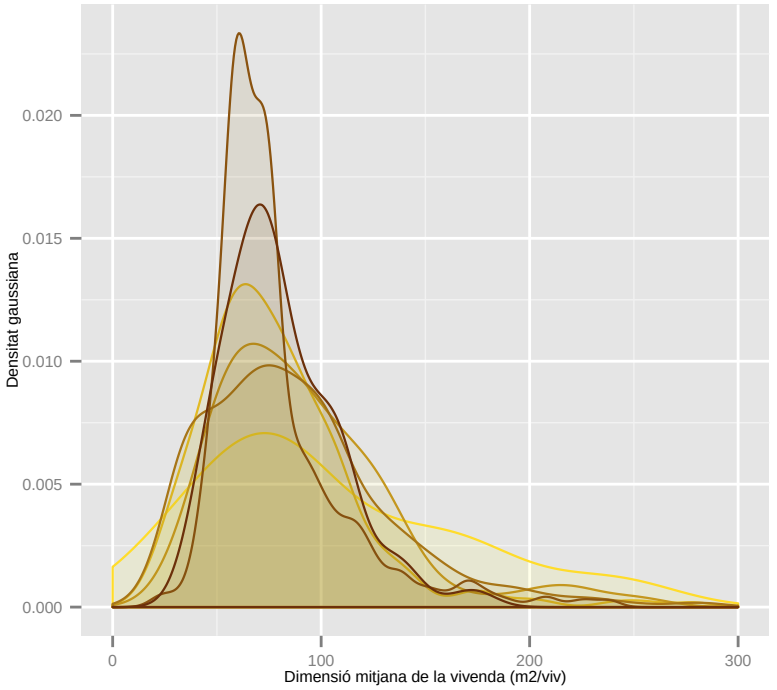
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

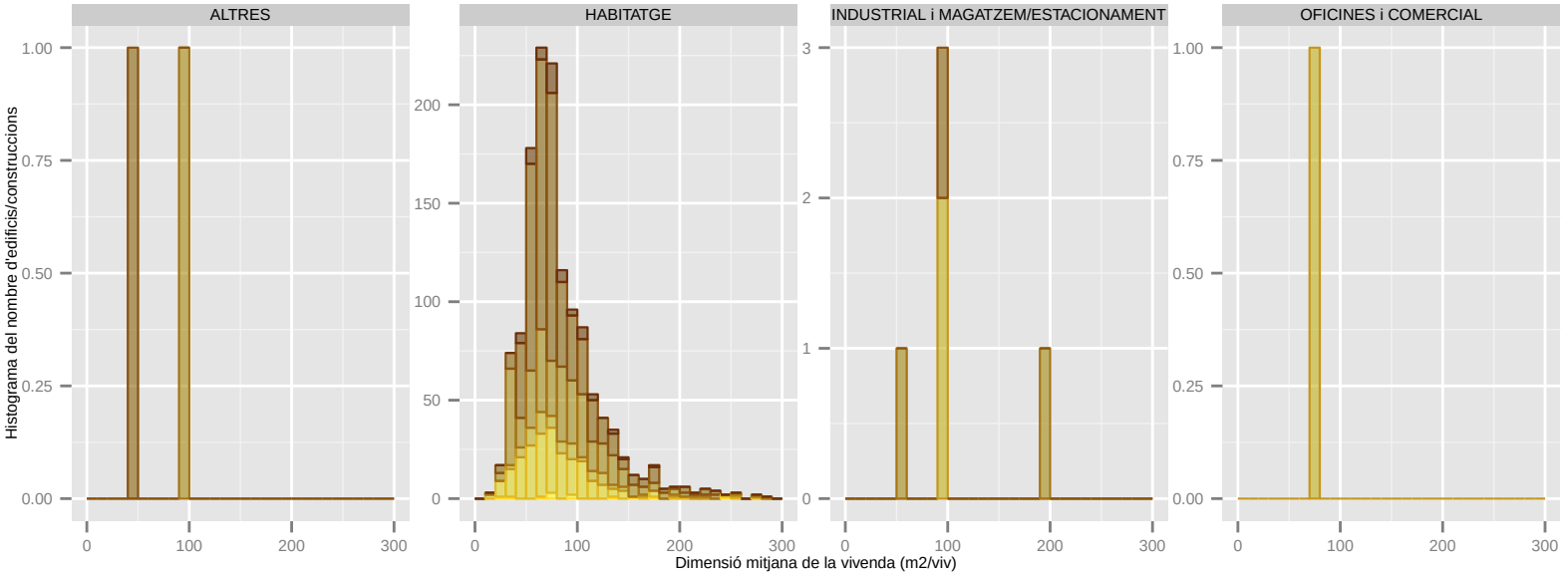
Dimensió mitjana de la vivenda (m2/viv): TIANA





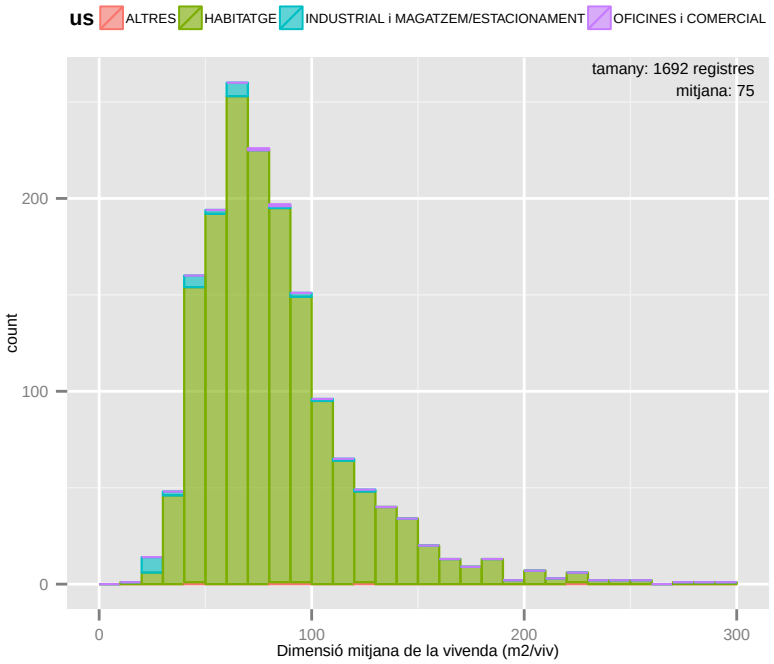


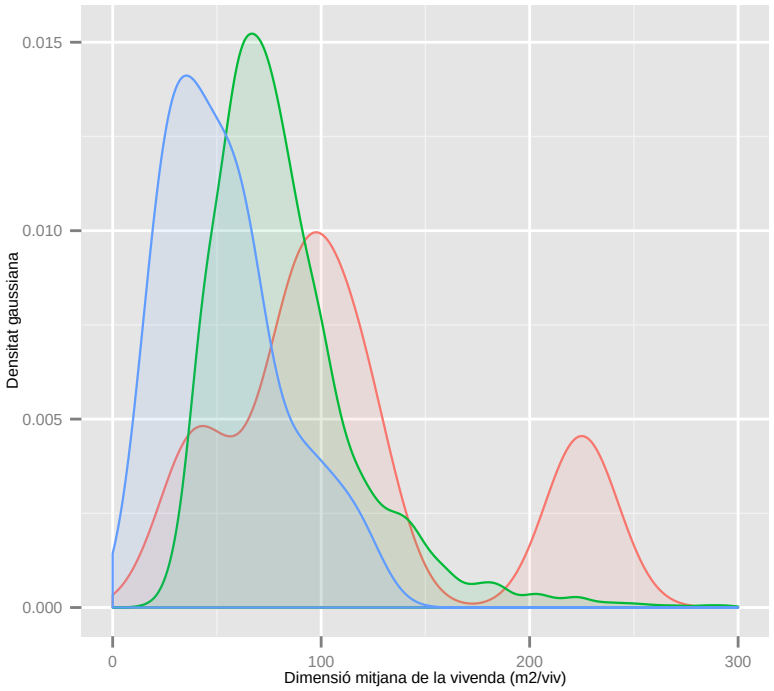


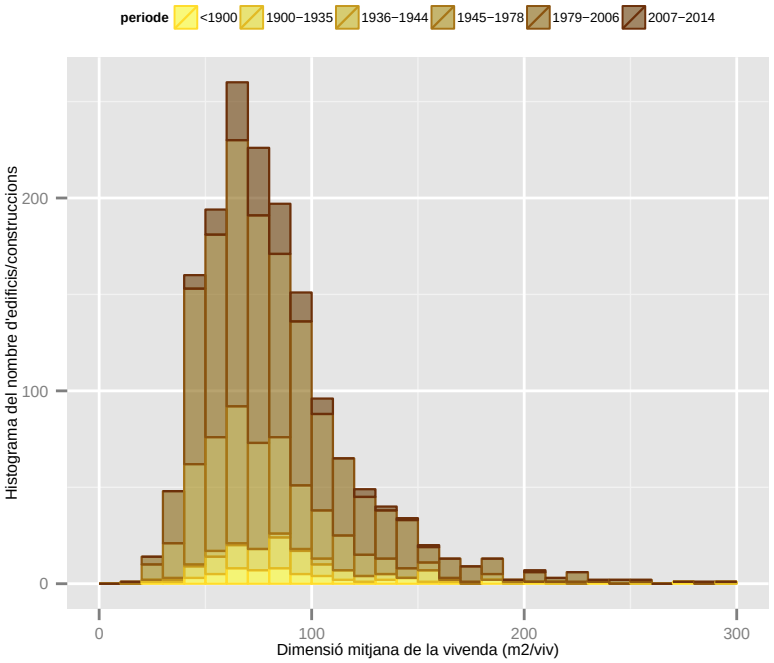


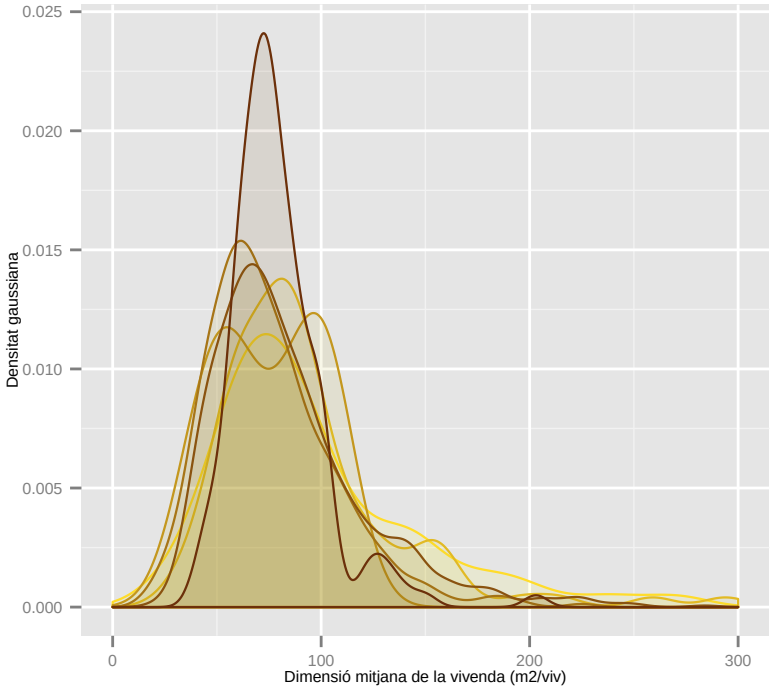
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

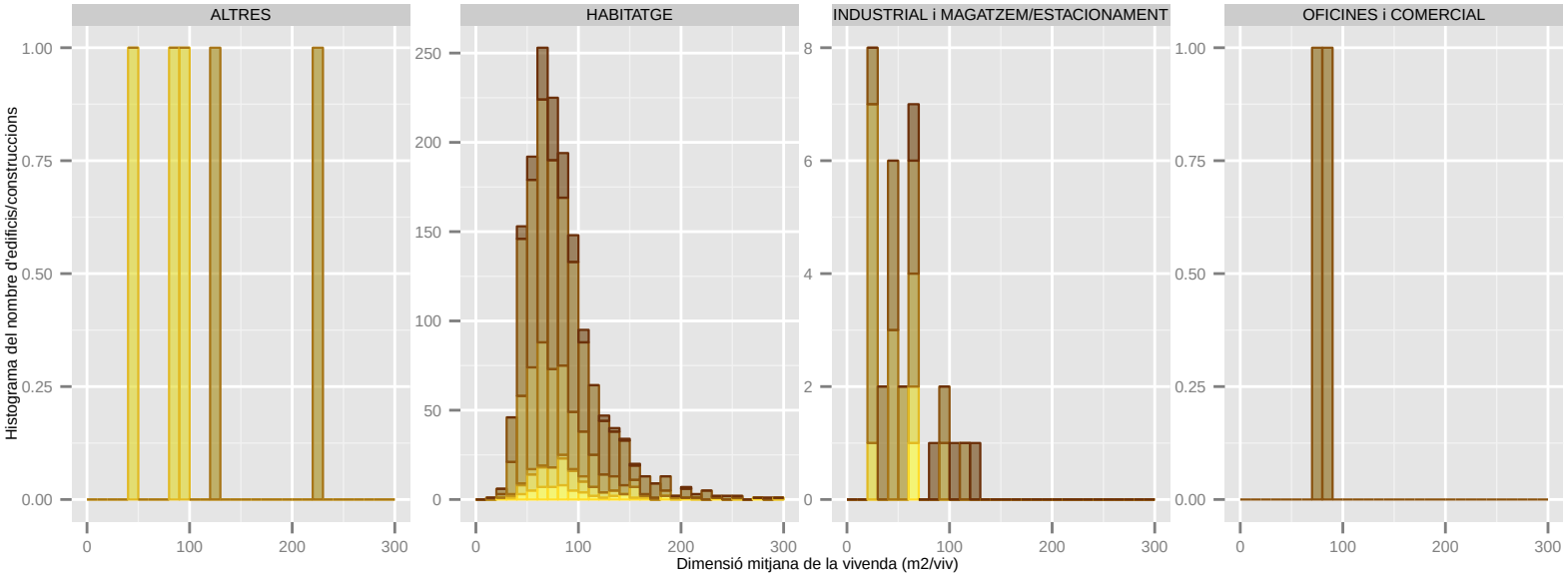
Dimensió mitjana de la vivenda (m2/viv): TORRELLES DE LLOBREGAT





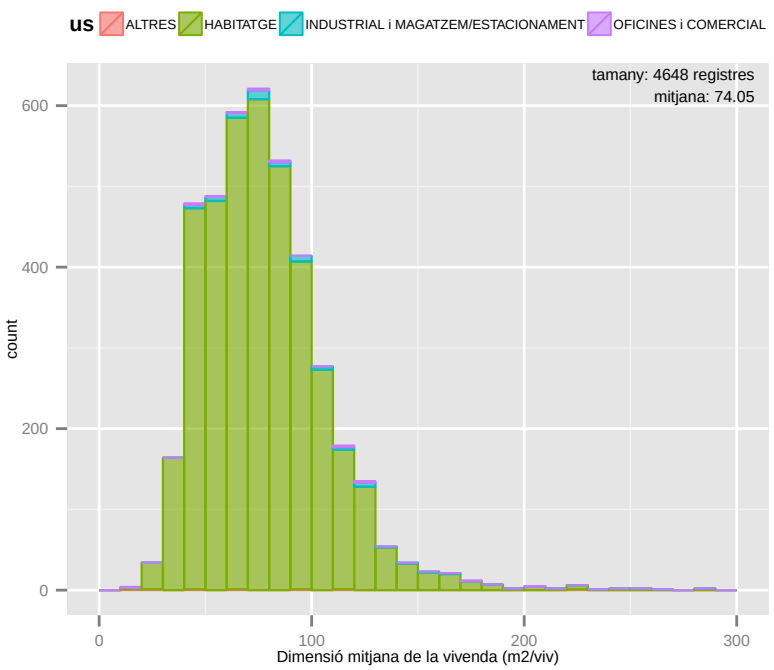


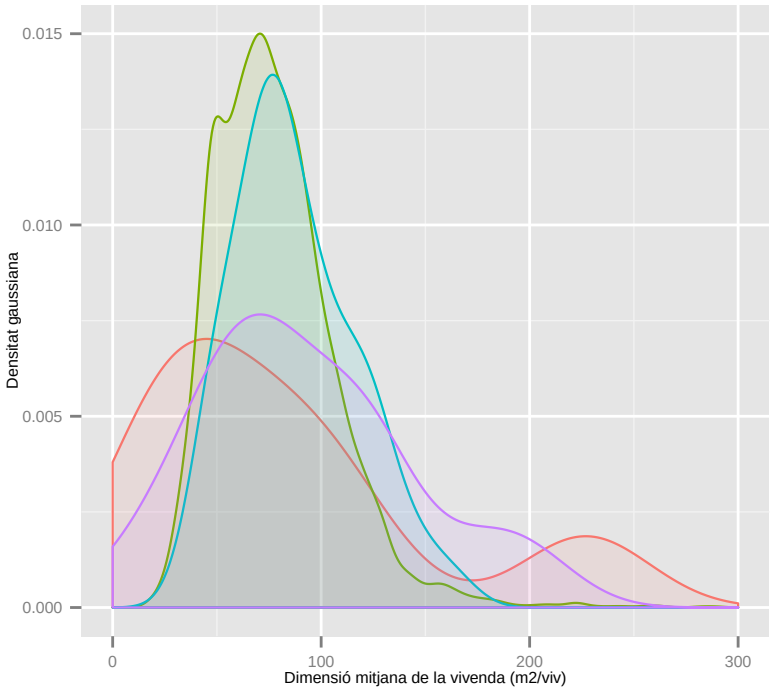


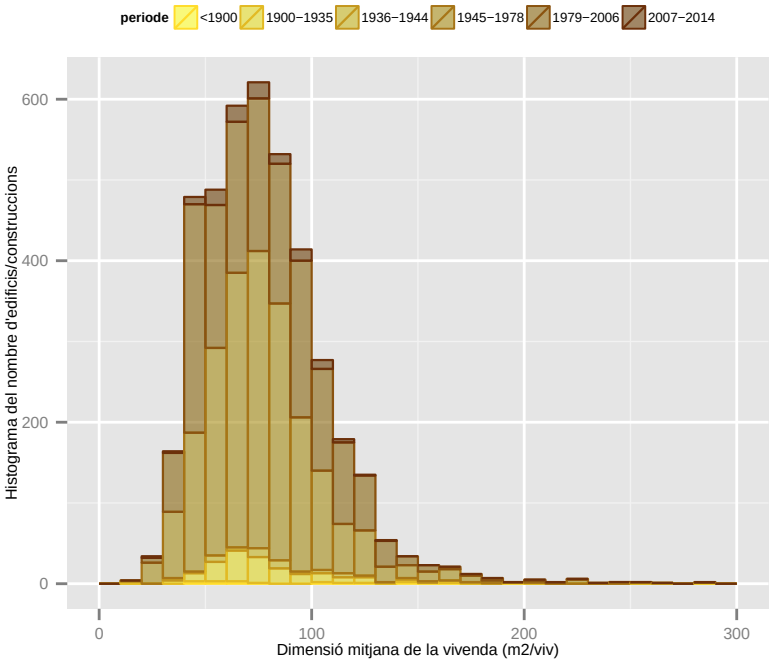


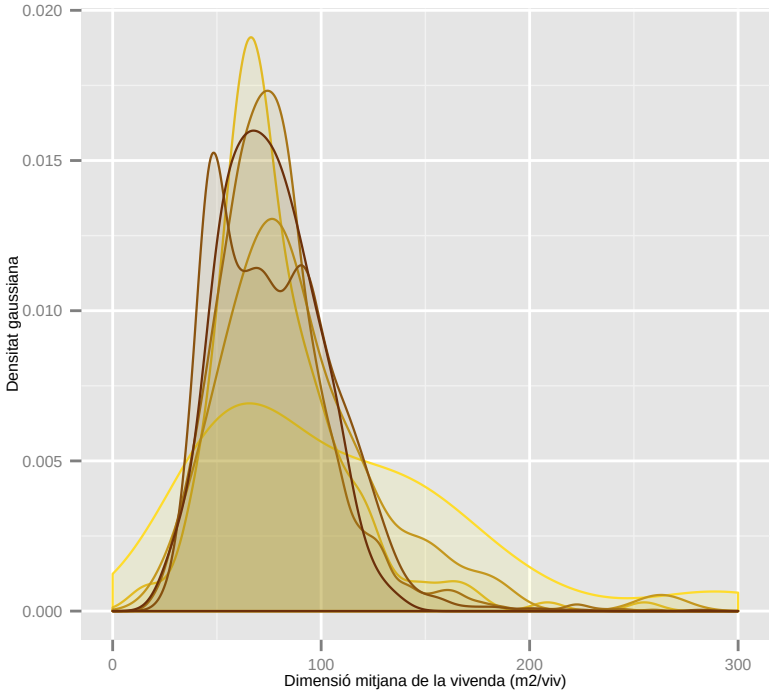
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

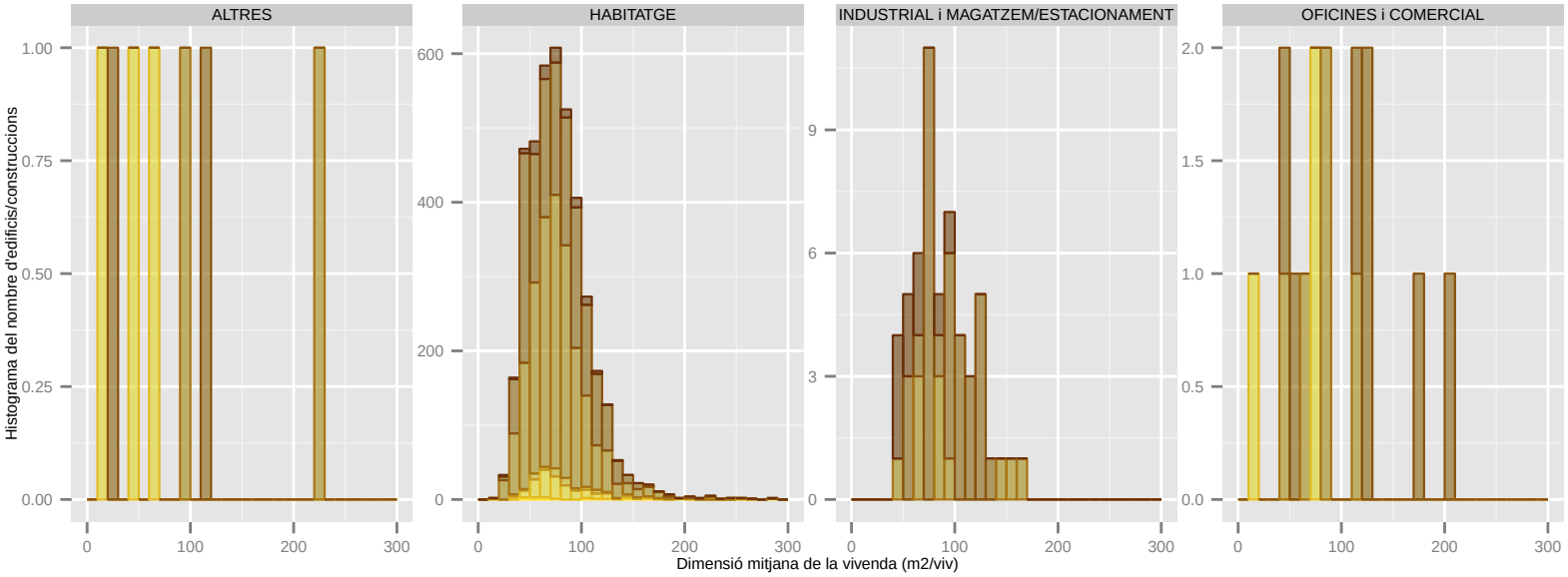
Dimensió mitjana de la vivenda (m2/viv): VILADECANS











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

4. SUPERFÍCIE DE VIVENDA PER HABITANT

Tot i que no es tenen accés a les dades de població censada per vivenda o edifici, s'ha fet una estimació d'aquesta dada repartint la població censada de cada barri o secció censal en el nombre de vivendes de cada zona. Amb aquesta xifra i la superfície construïda de vivendes de cada edifici i municipi, es pot estimar aleshores la superfície de vivenda per cada habitant censat, que en el cas del conjunt de l'AMB és de 39,76 m^2/habitant.

A la gràfica següent es mostren les diferències entre municipis, també cal comentar que també s'han tingut en compte les vivendes que poden haver en edificis d'altres usos majoritaris diferents al d'habitatge, com: oficines, comerços, o fins i tot industrial, etc...

En termes individuals, el municipi amb major superfície de vivenda per habitant és Corbera de Llobregat amb quasi 77 m^2/hab, seguit de Montgat (75 m^2/hab) i Pallejà (72 m^2/hab). Per contra els que menys tenen són: L'Hospitalet del Llobregat (26 m^2/hab), Badia del Vallès (29 m^2/hab) i Santa Coloma de Gramenet (a prop dels 30 m^2/hab).

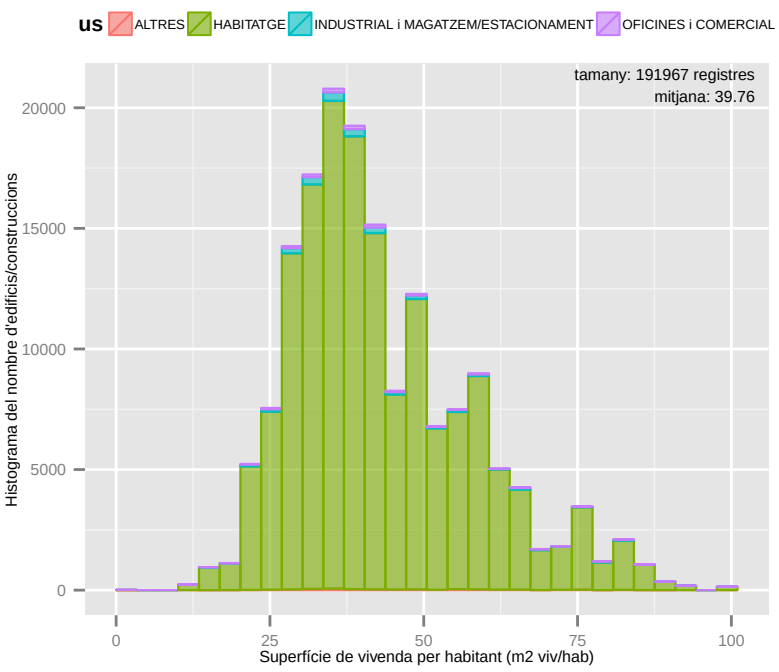
Incidència en el consum d'energia:

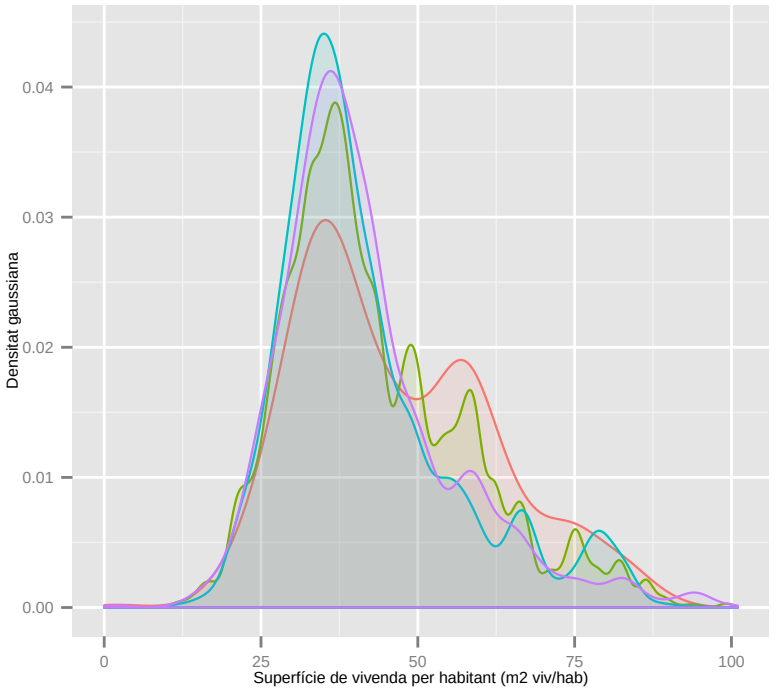
La dimensió de l'habitatge i el nombre de persones que hi viuen són paràmetres que estan molt correlacionats amb el consum energètic. Així superfícies grans de vivendes amb poques persones implica major consum de calefacció/refrigeració, mentre que habitatges de menors dimensions o amb major ocupació generalment respon a un menor consum energètic per habitant.

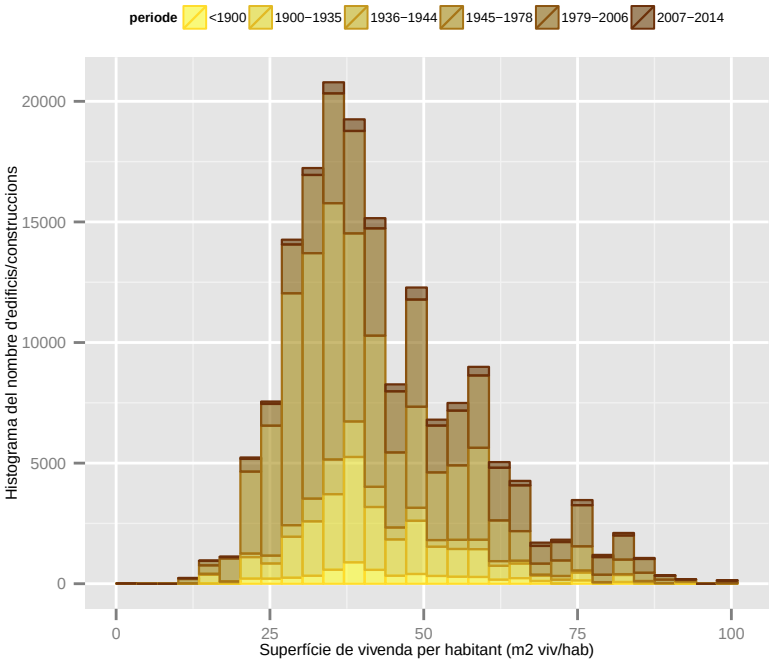
BARCELONA REGIONAL

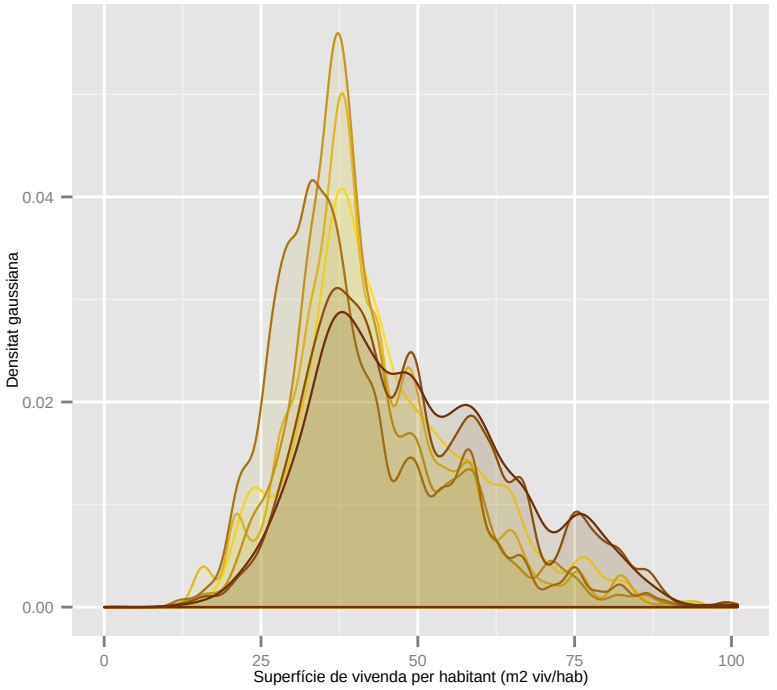
AMB Àrea Metropolitana de Barcelona PSAMB

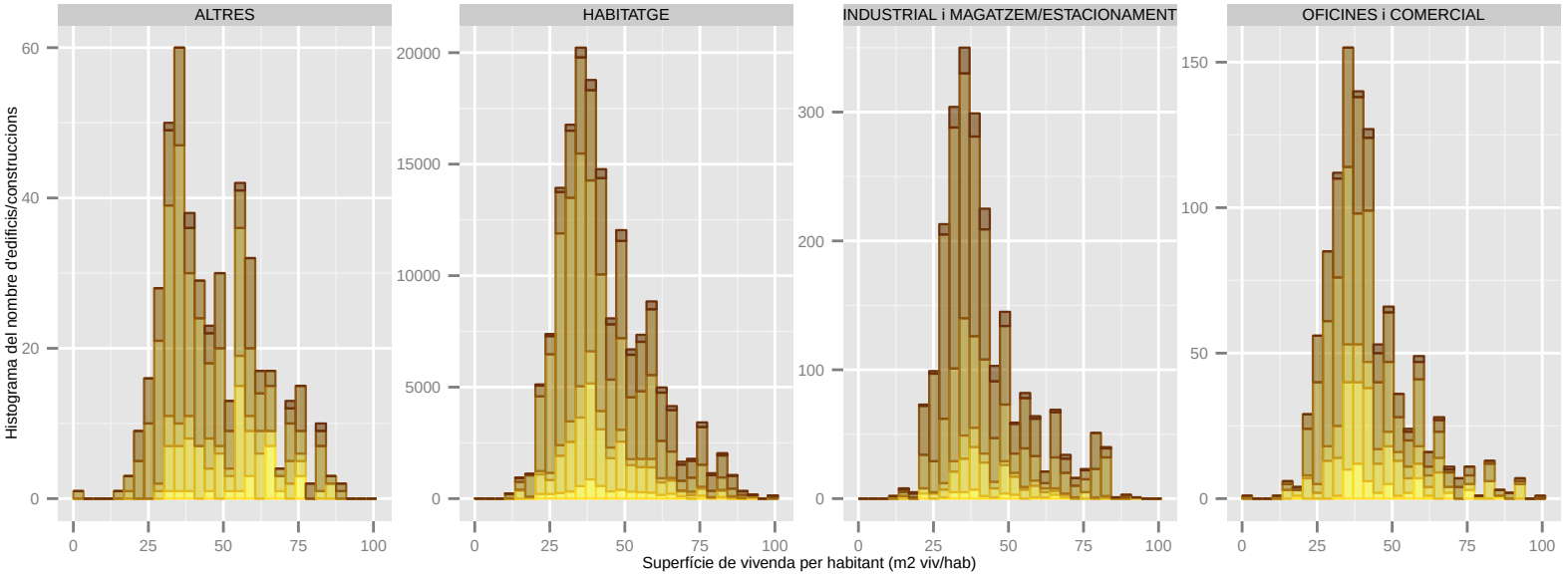
Superfície de vivenda per habitant (m2 viv/hab): AMB





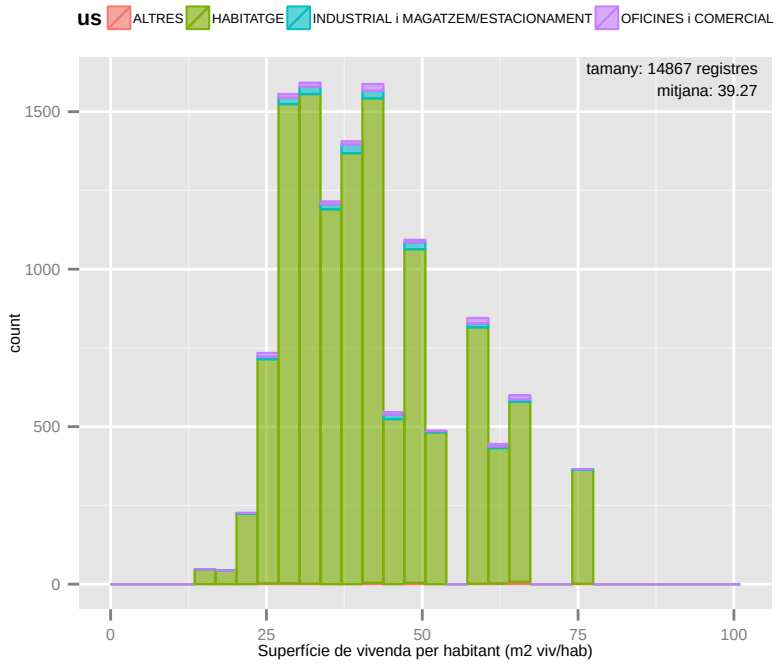


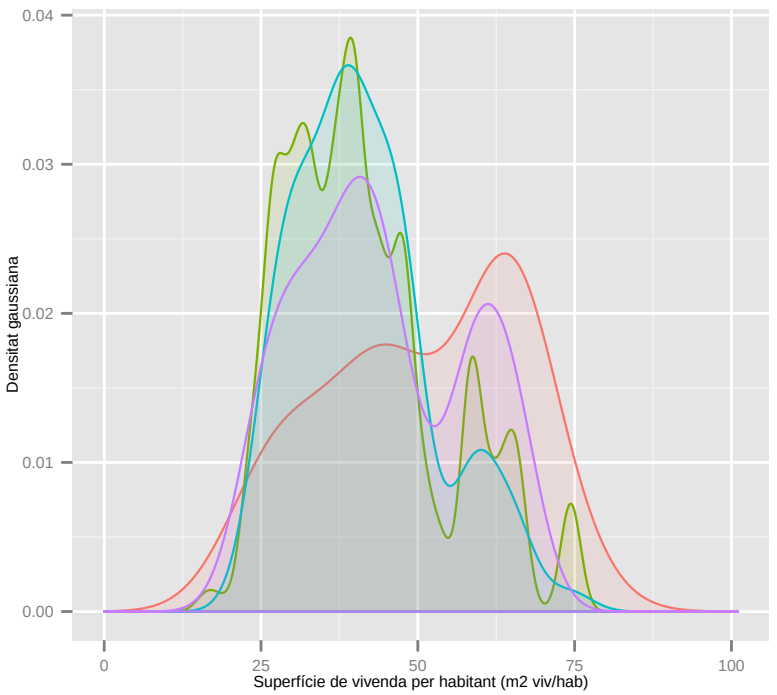


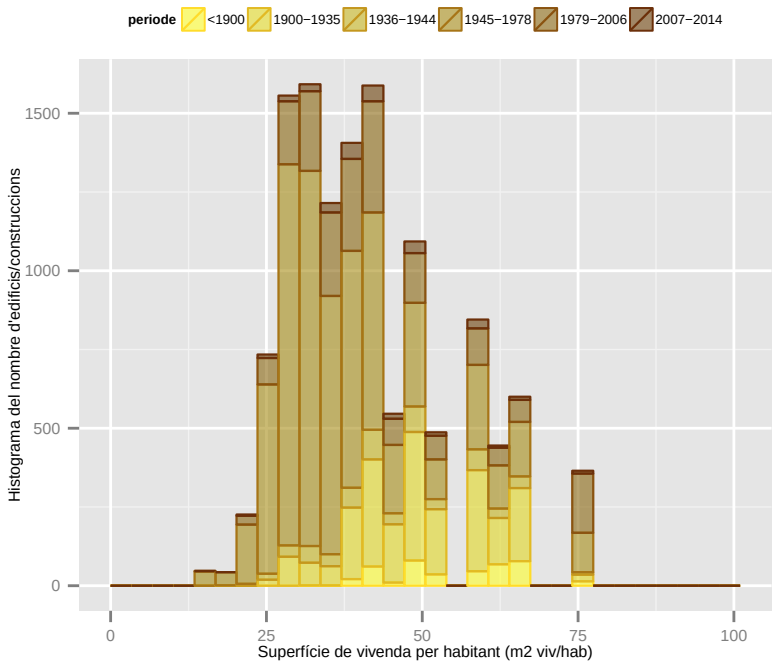


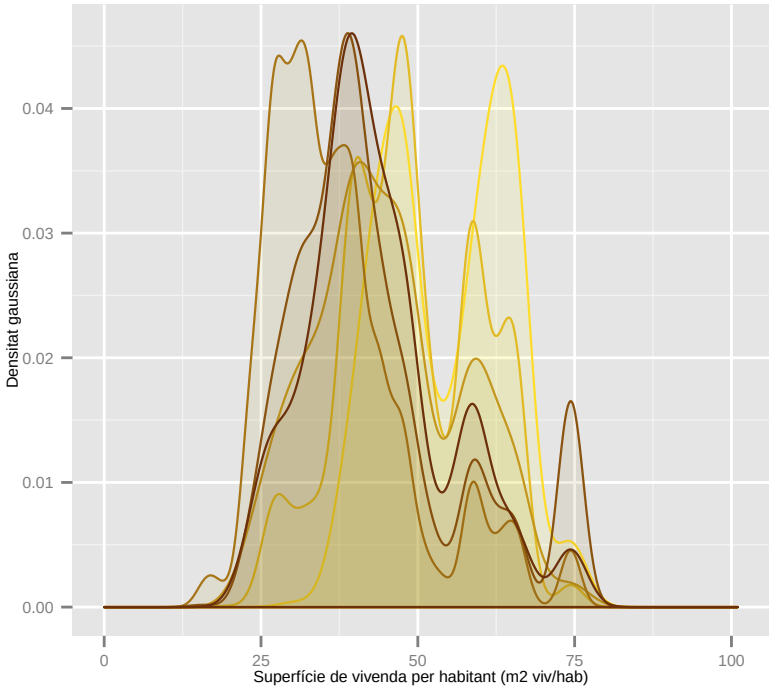
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

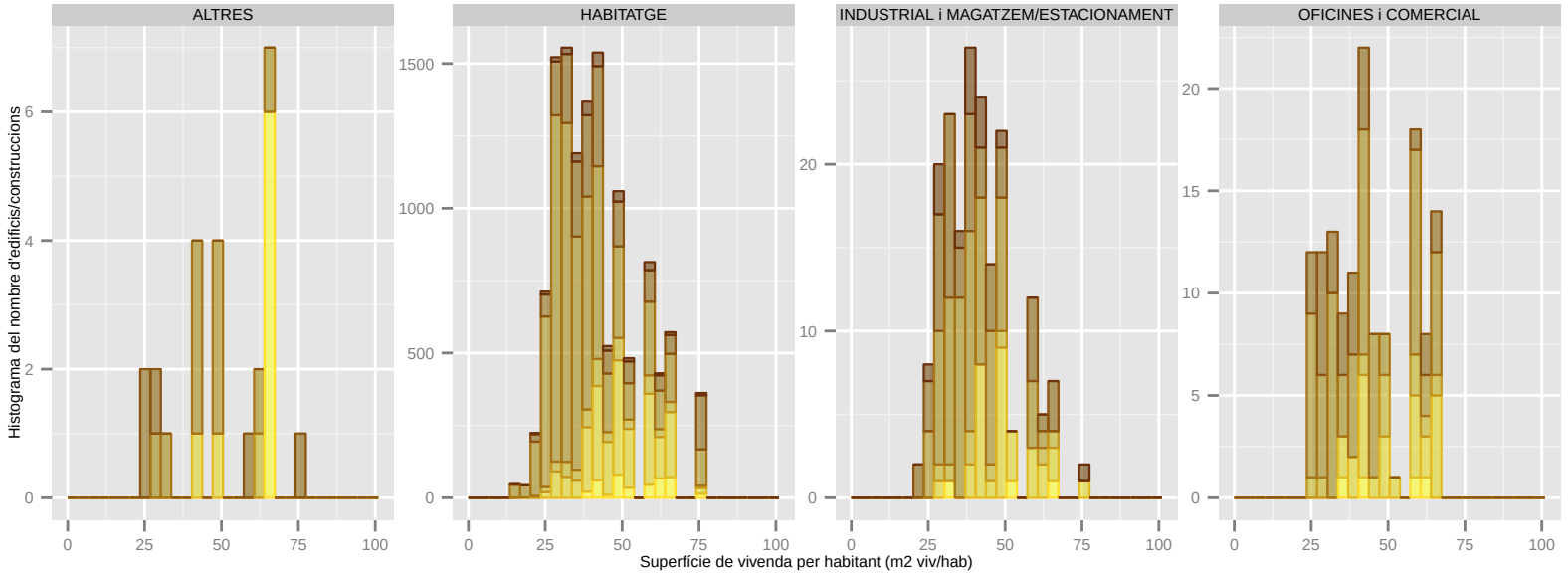
Superfície de vivenda per habitant (m2 viv/hab): BADALONA





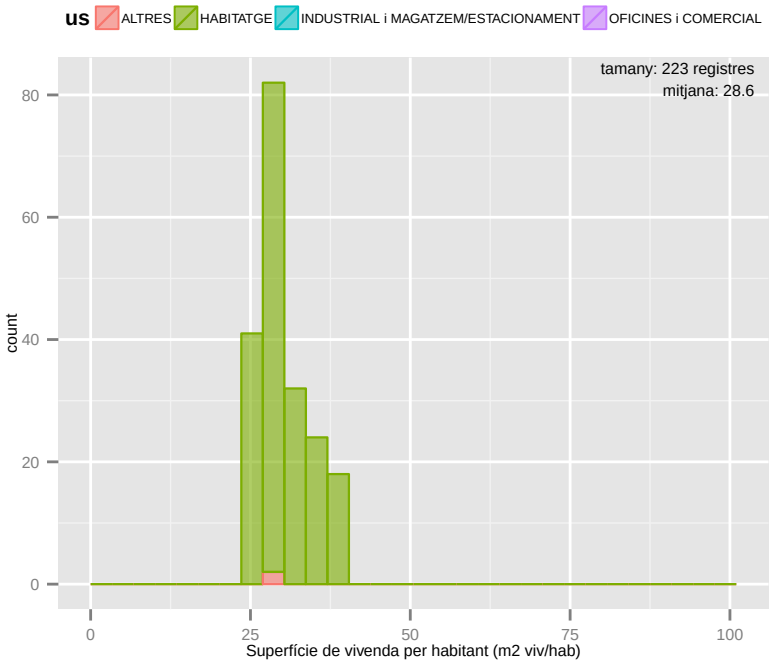


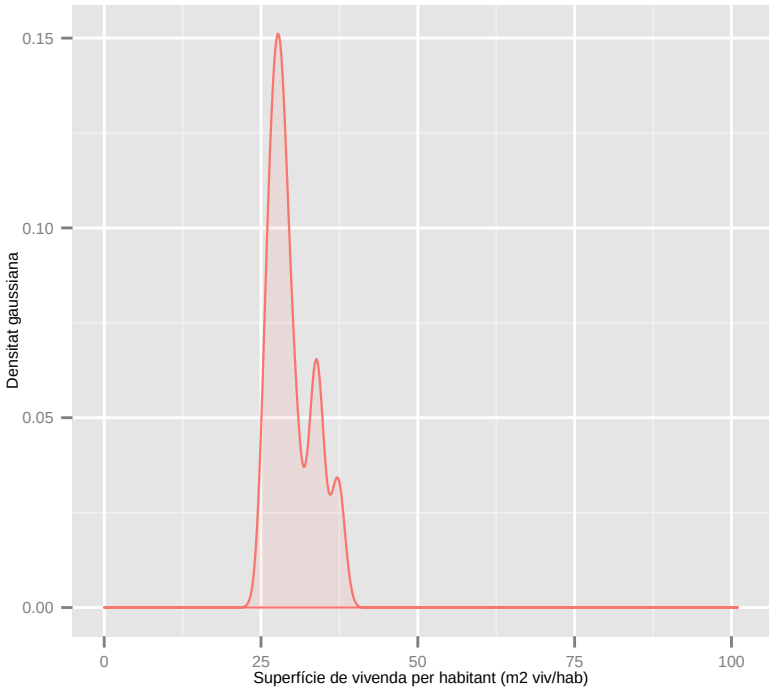


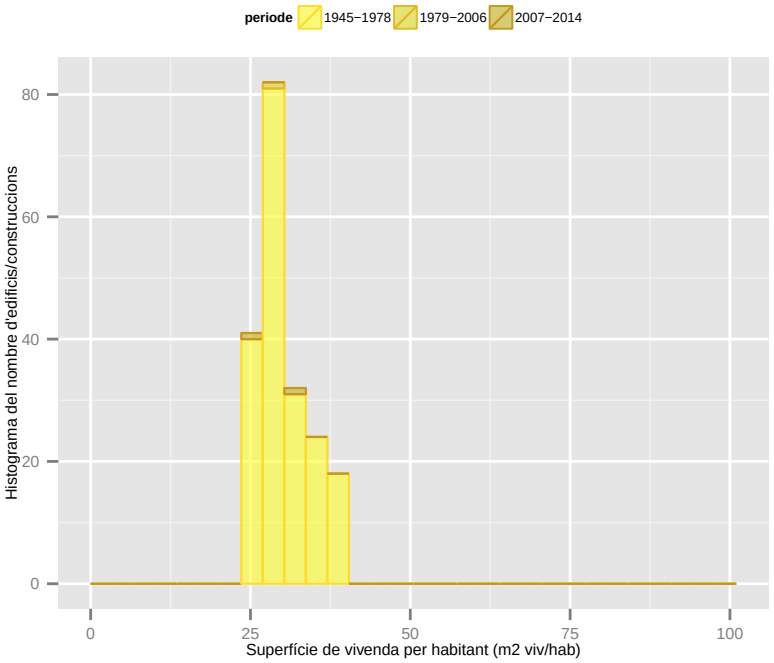


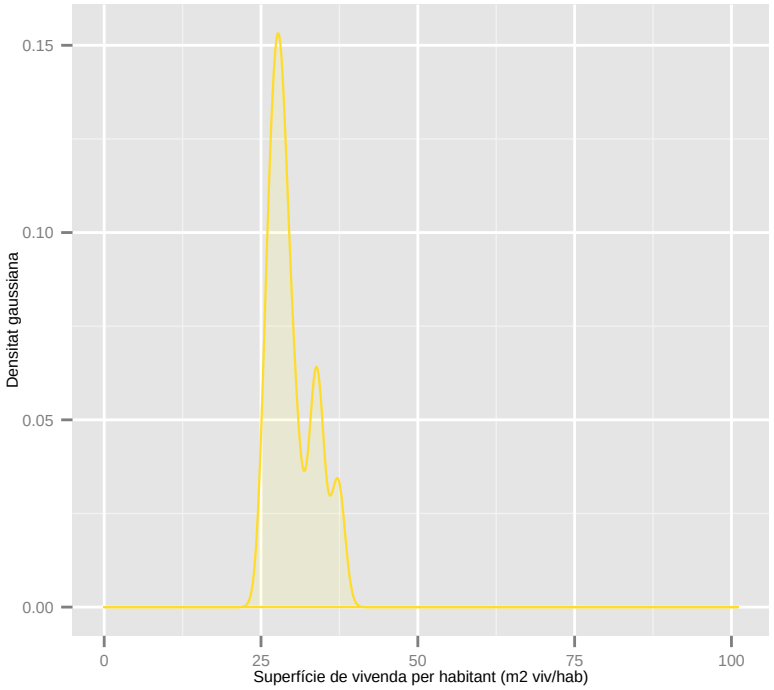
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

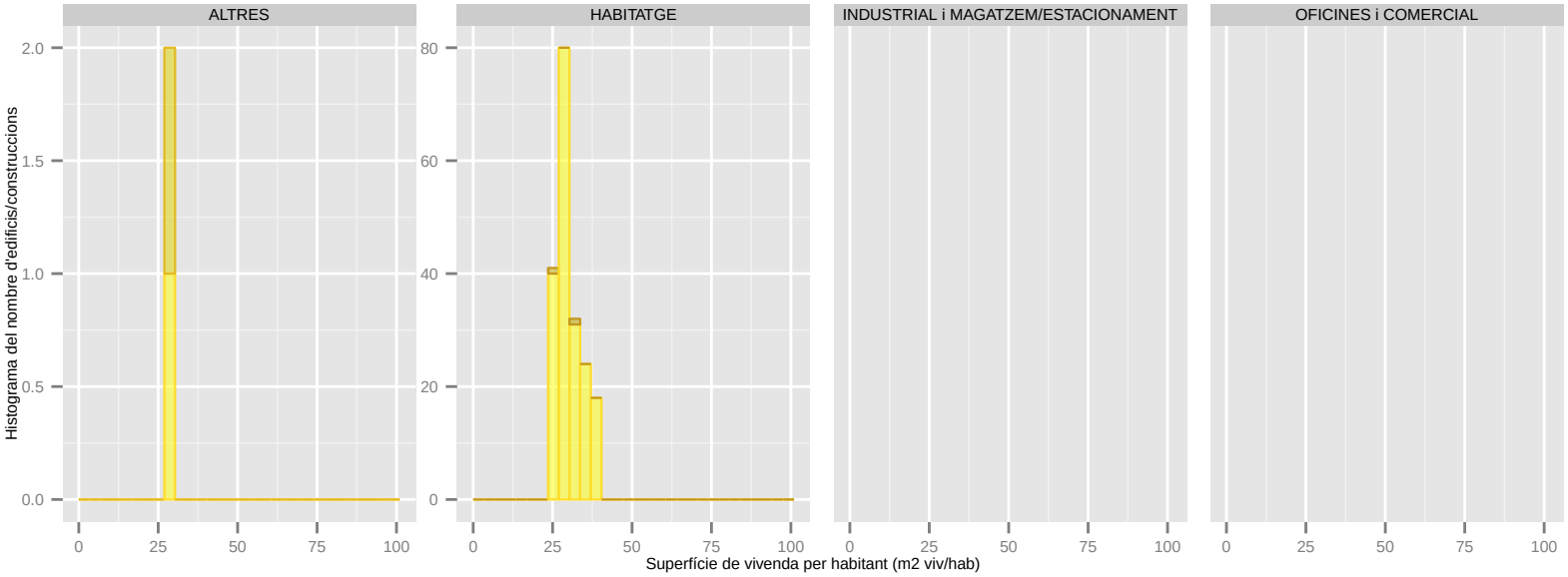
Superfície de vivenda per habitant (m2 viv/hab): BADIA DEL VALLES











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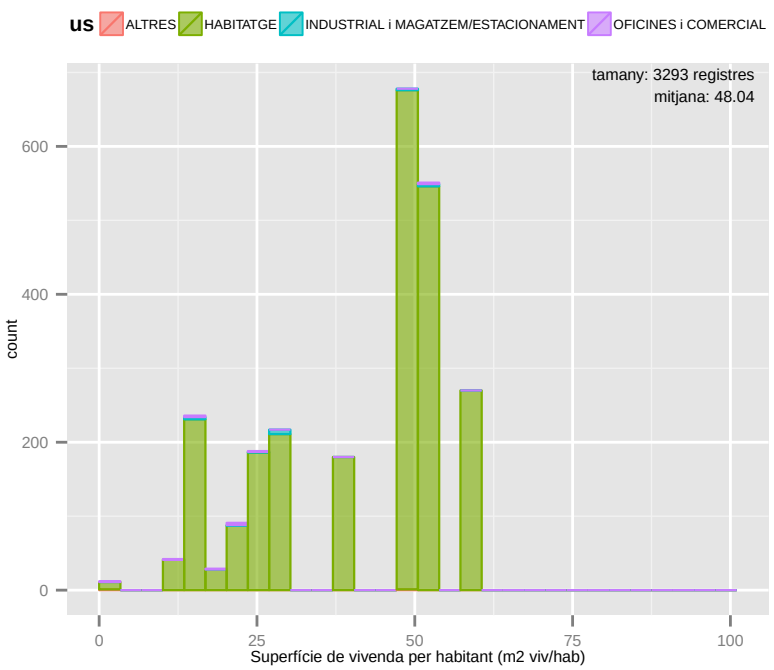
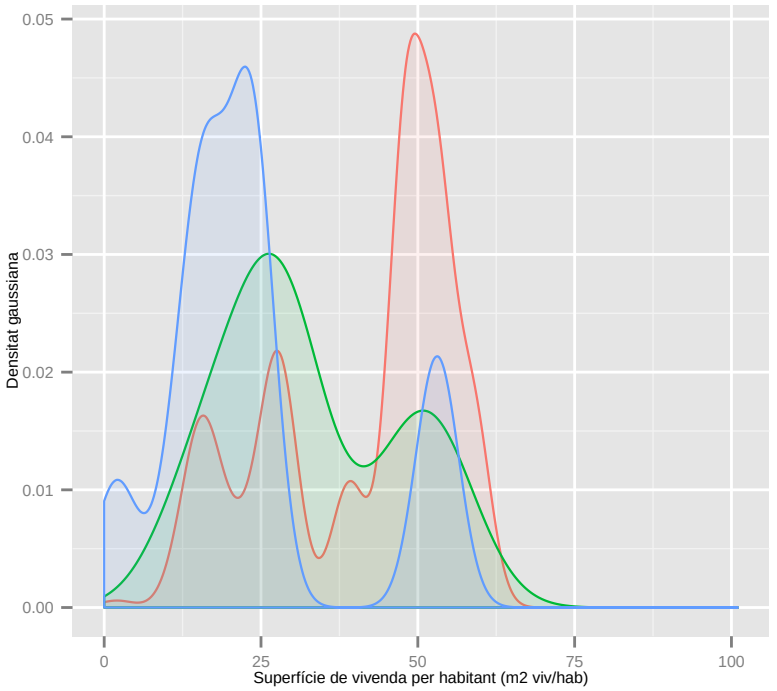
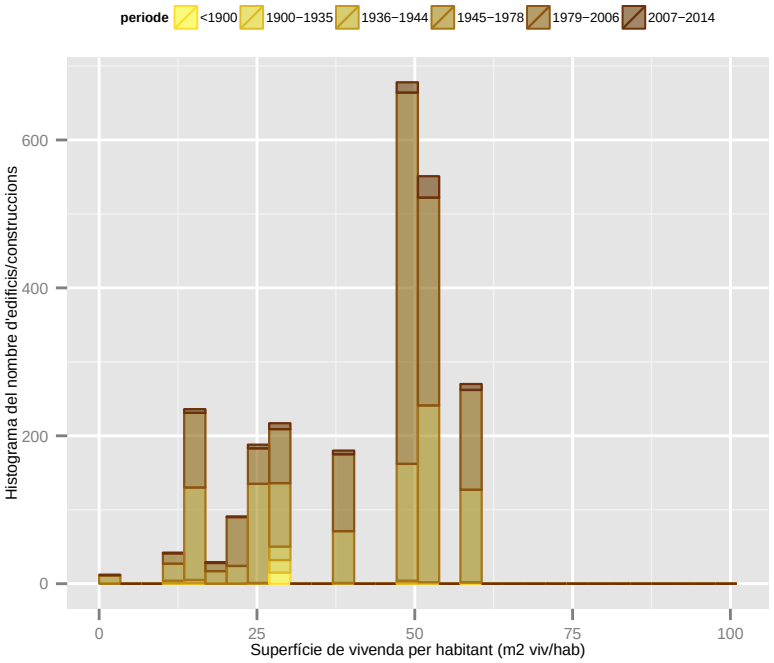
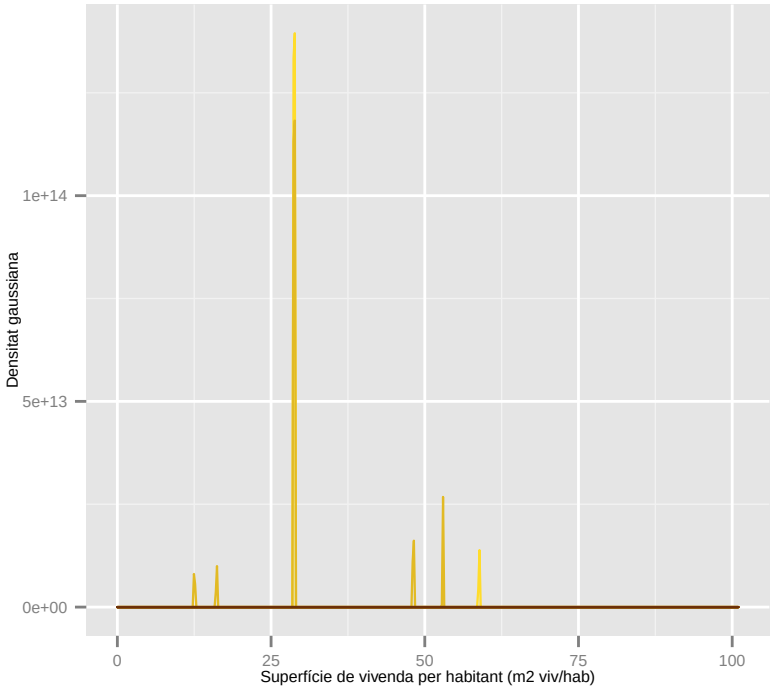
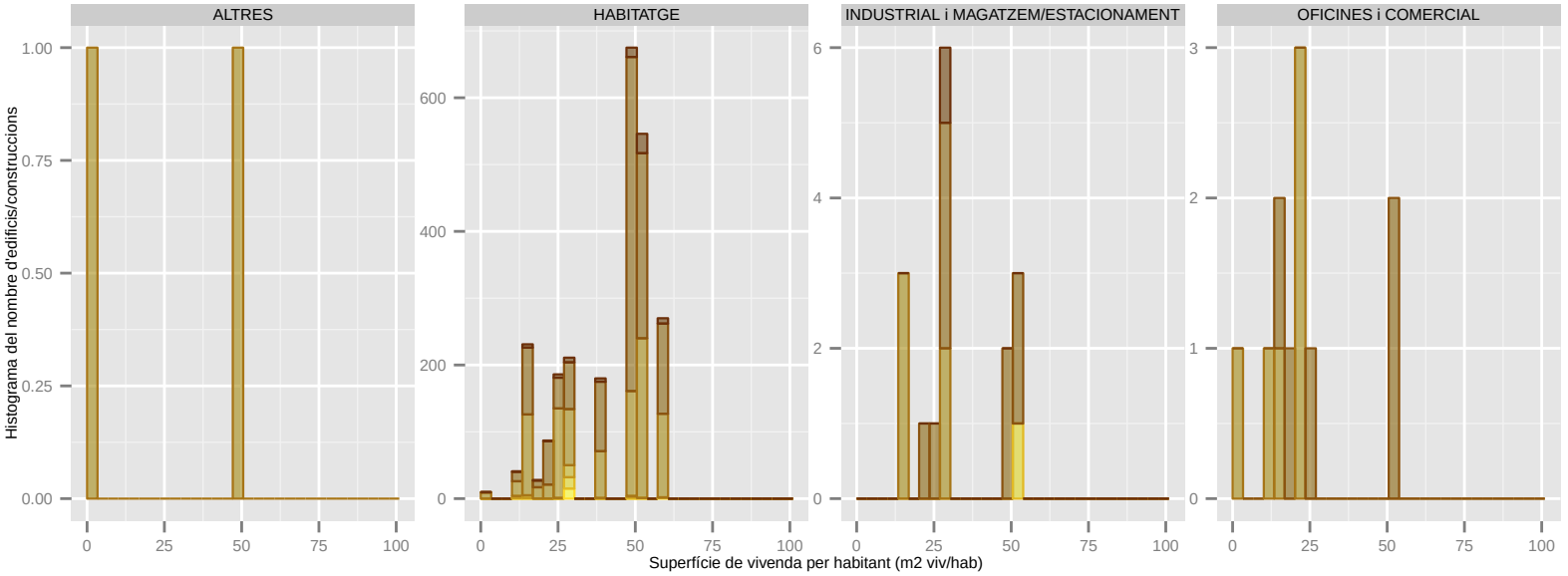
Superfície de vivenda per habitant (m2 viv/hab): BARBERA DEL VALLES





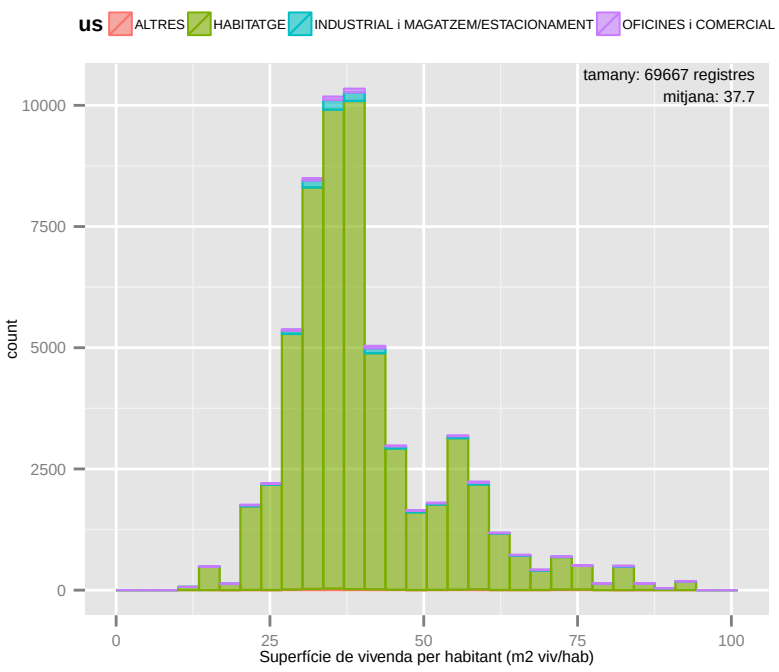


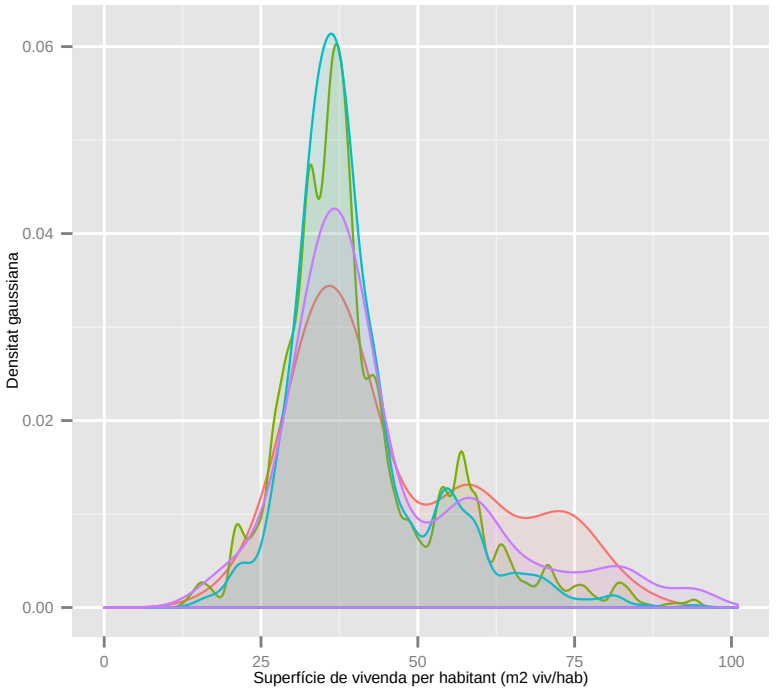


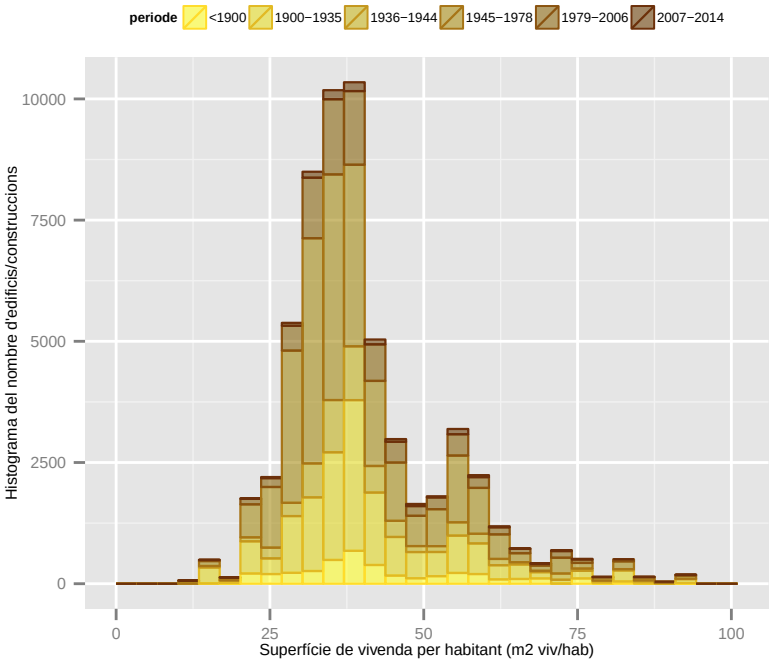


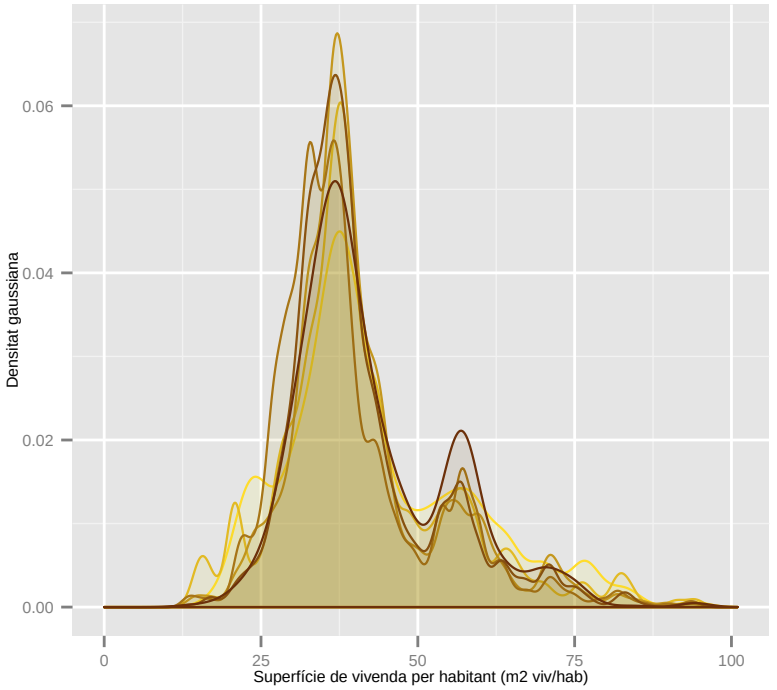
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

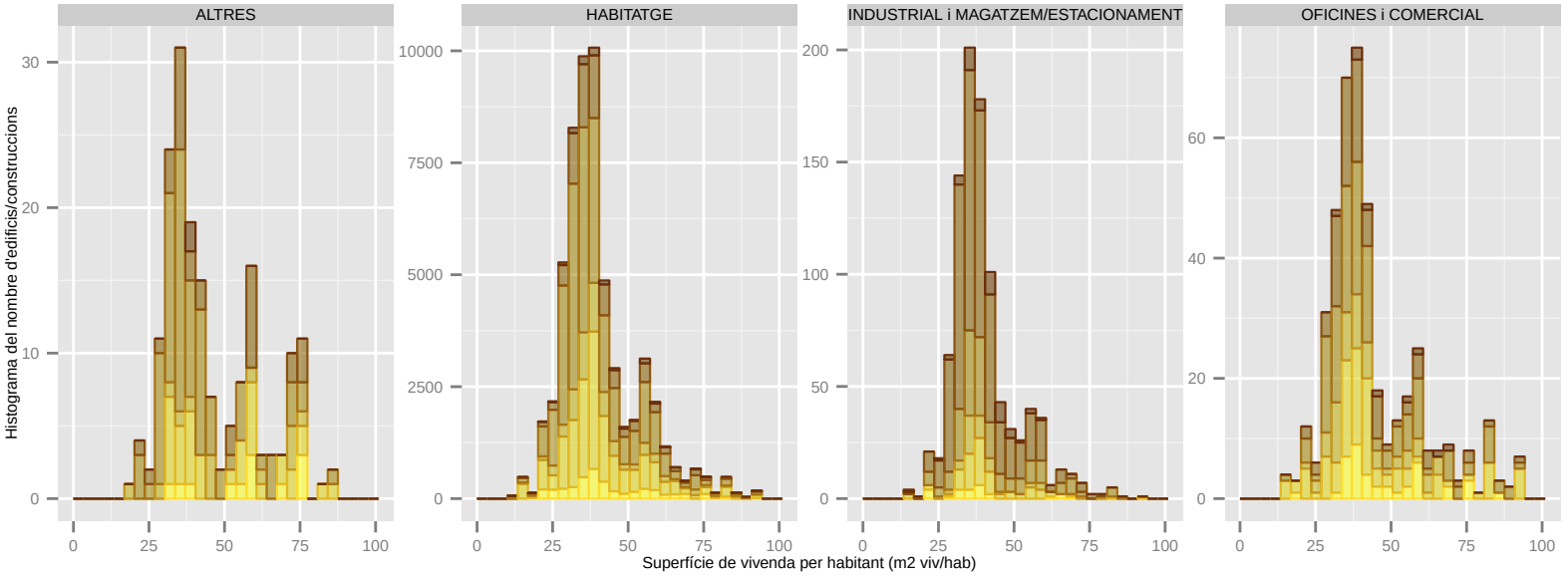
Superfície de vivenda per habitant (m2 viv/hab): BARCELONA





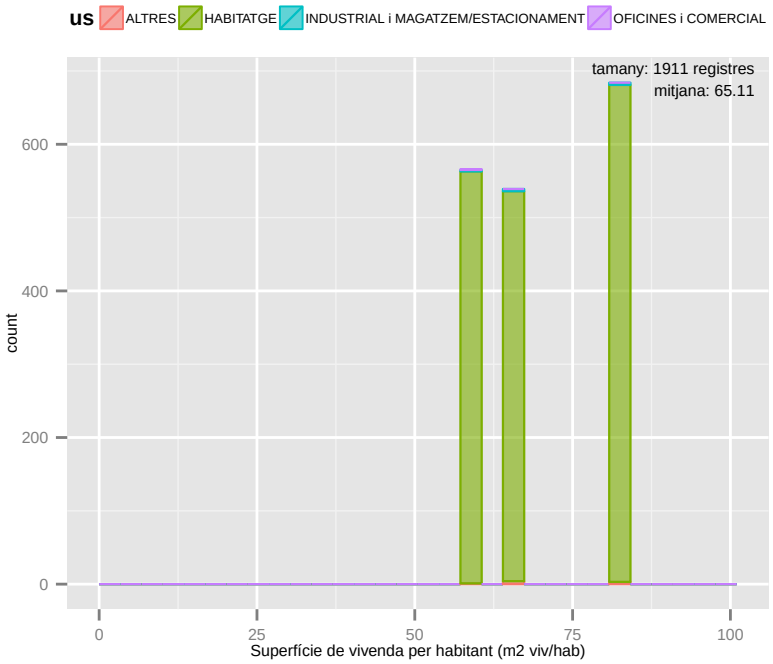


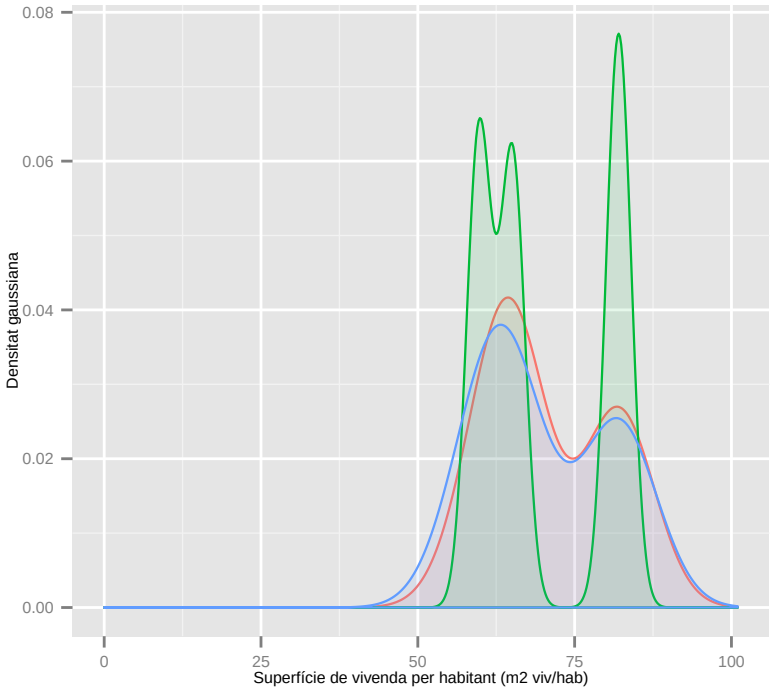


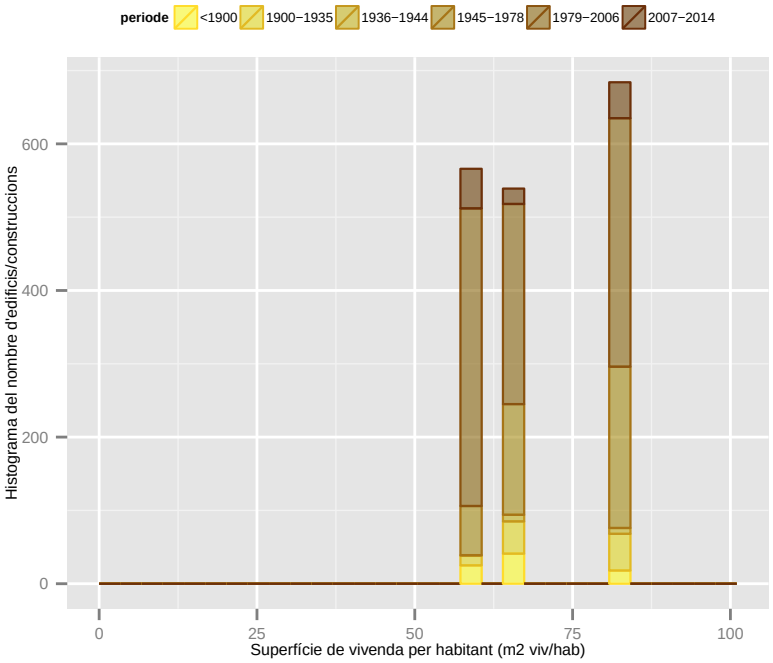


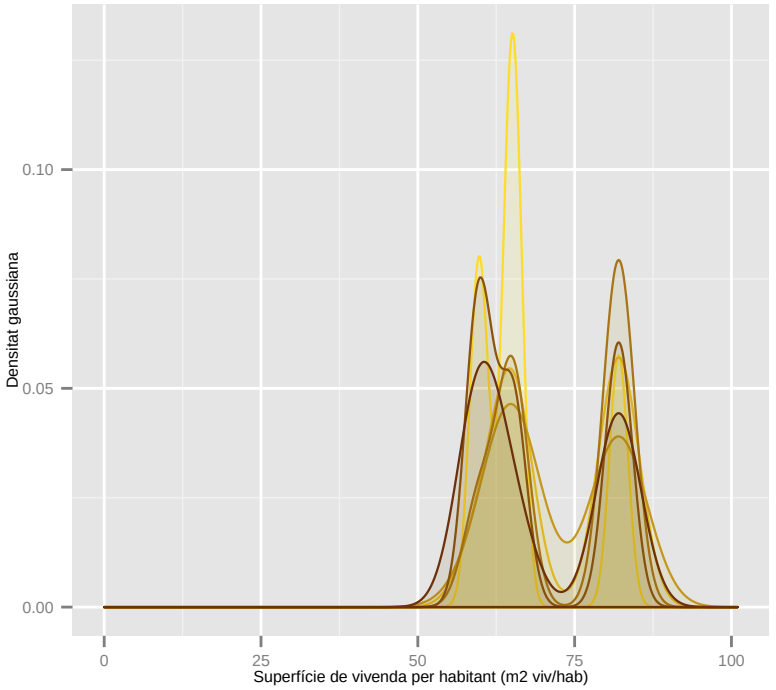
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

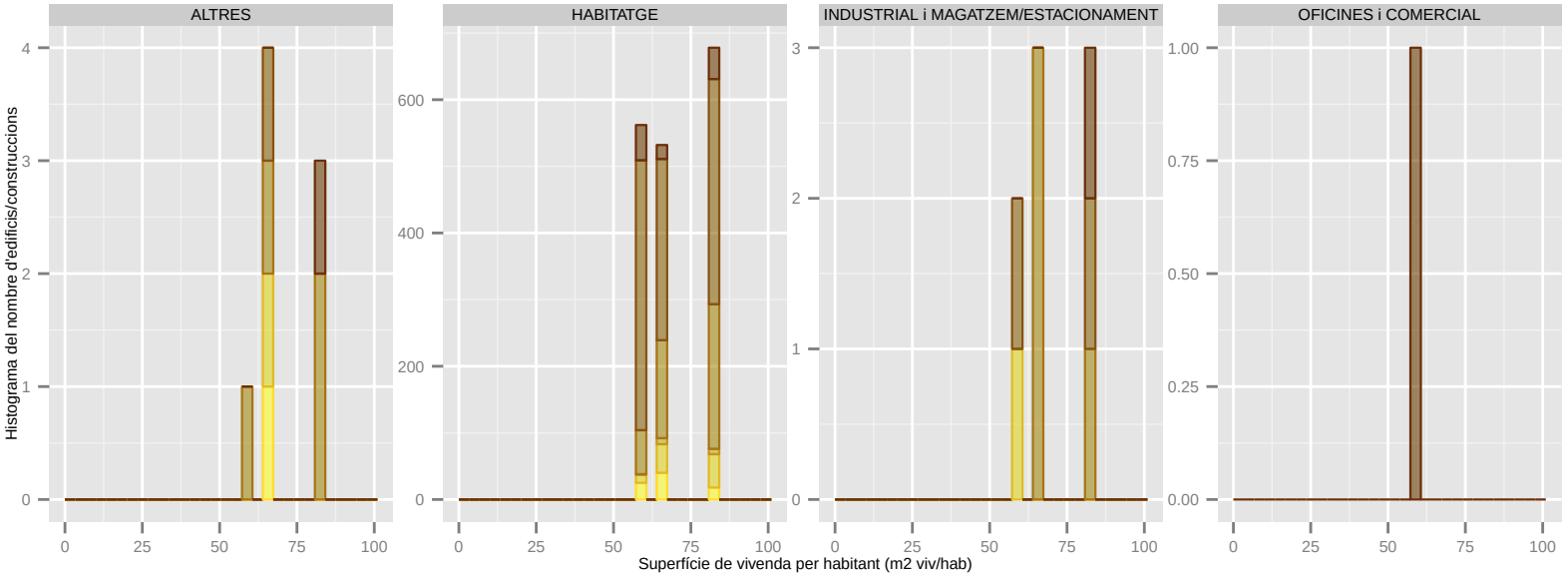
Superfície de vivenda per habitant (m2 viv/hab): BEGUES





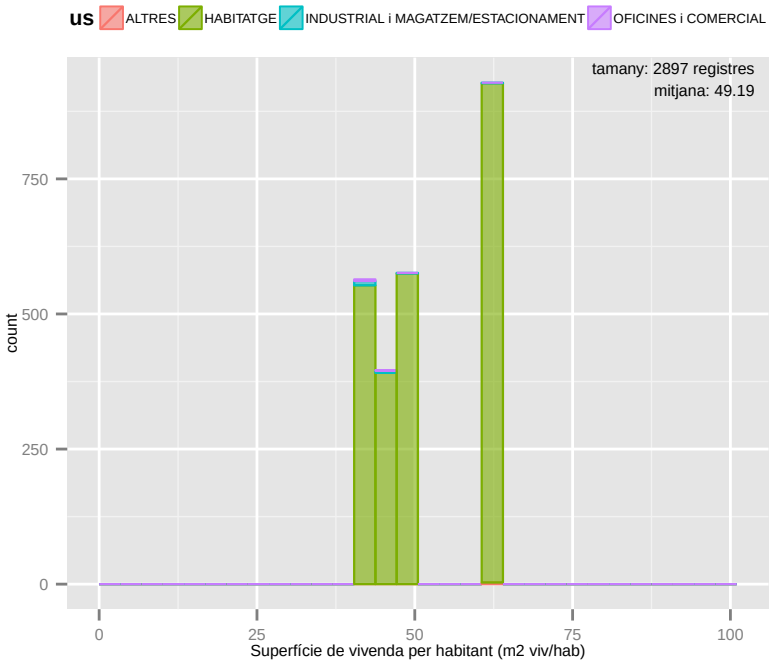


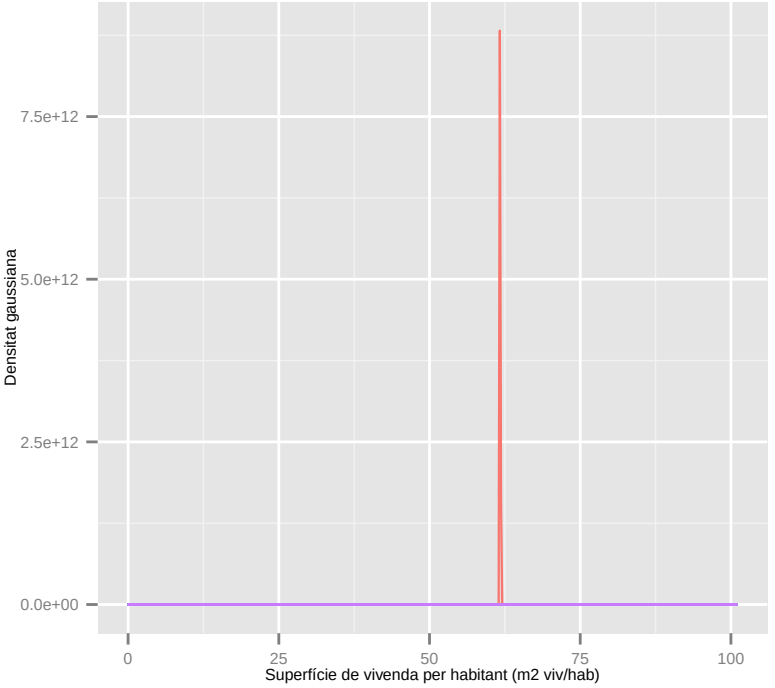


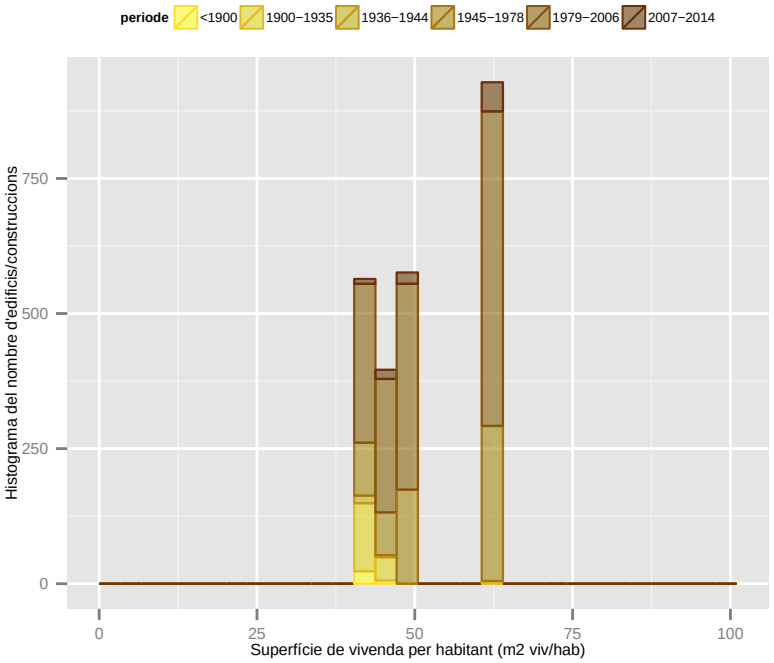


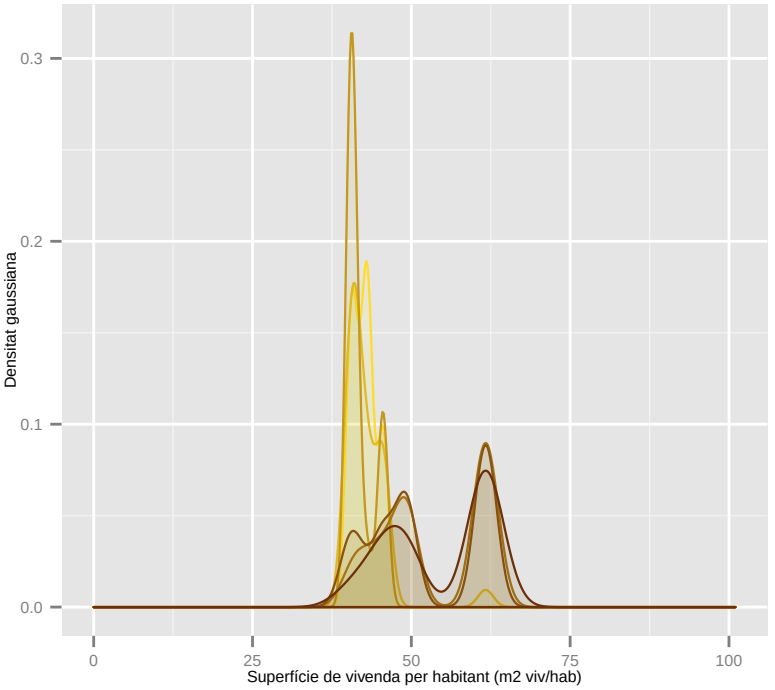
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

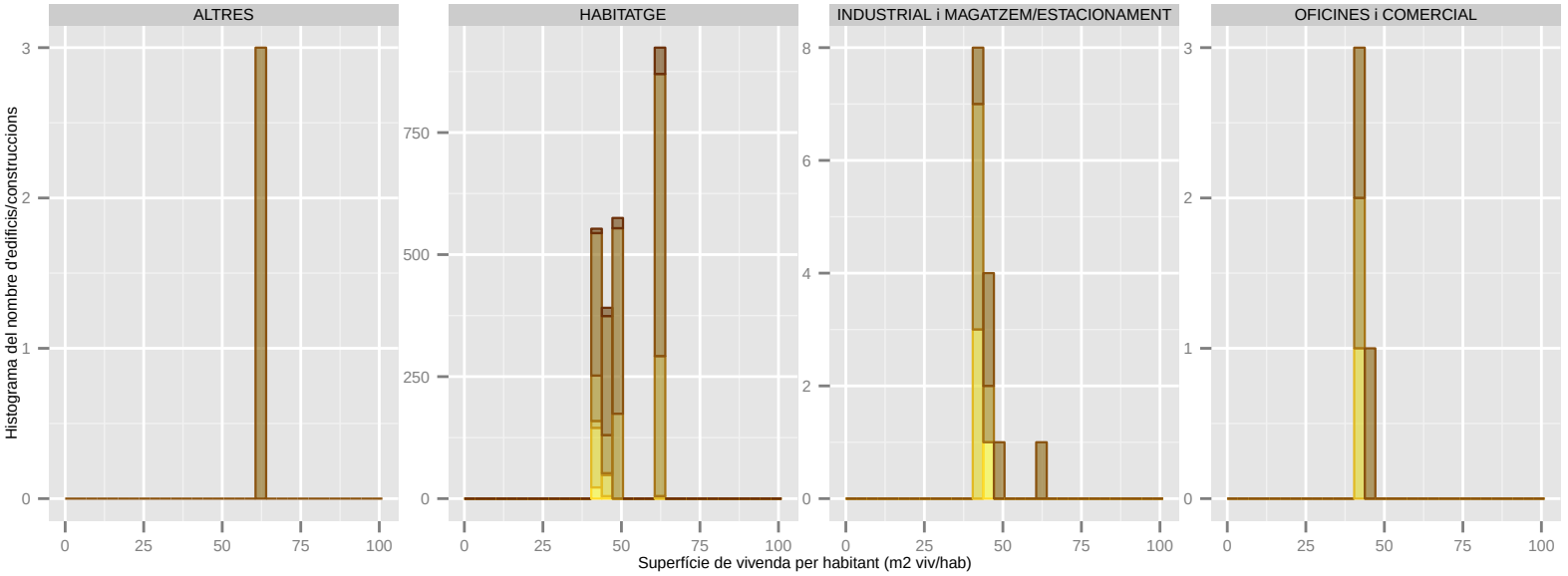
Superfície de vivenda per habitant (m2 viv/hab): CASTELLBISBAL





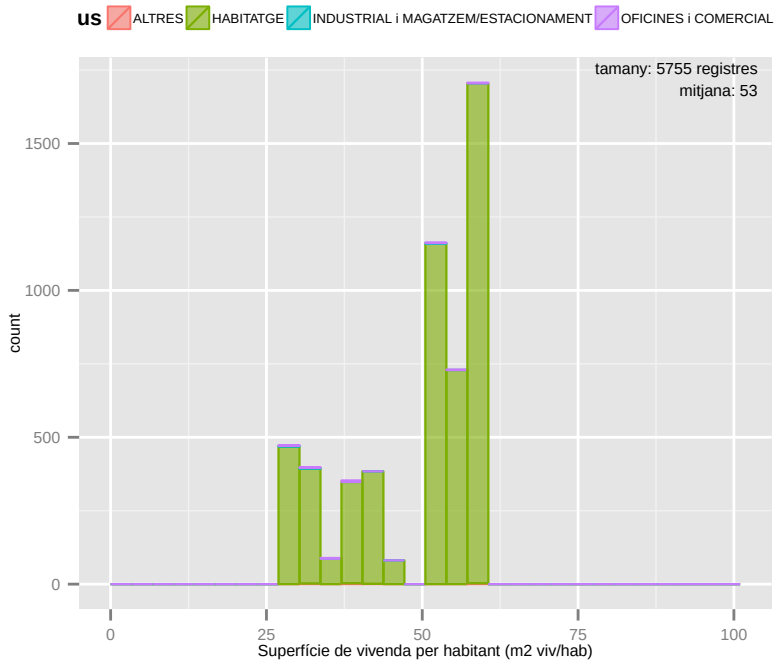


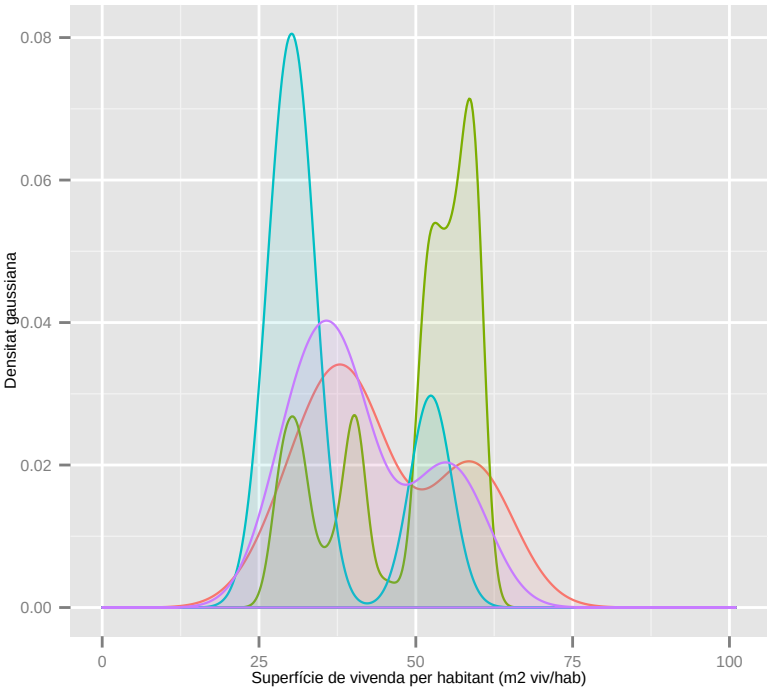


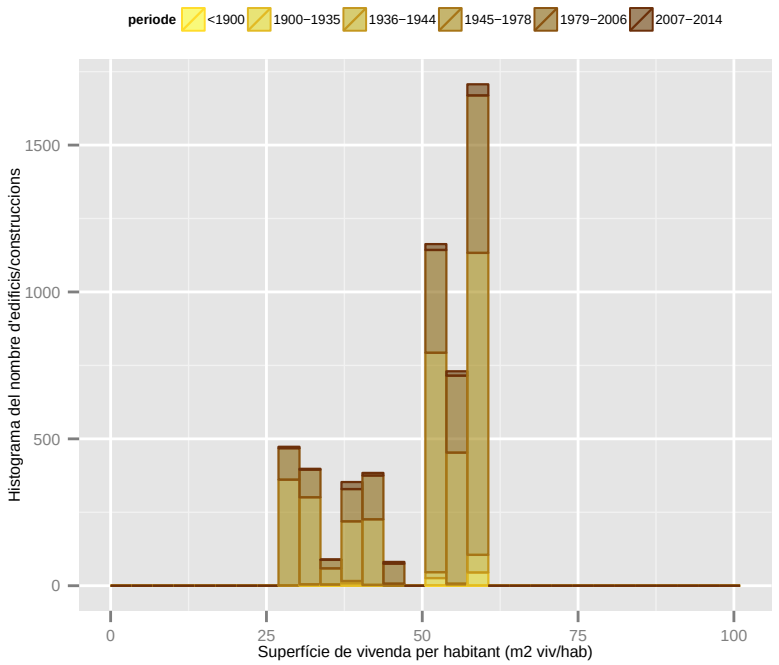


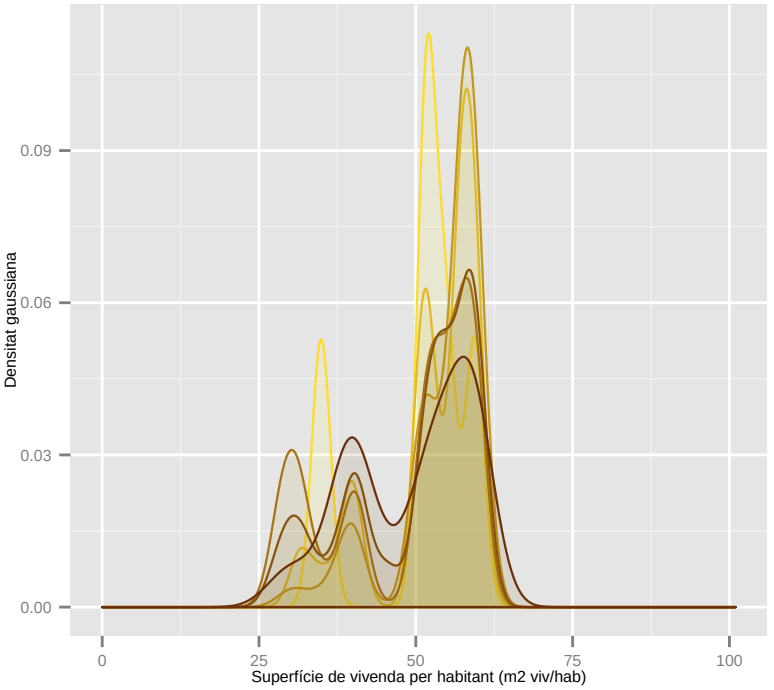
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

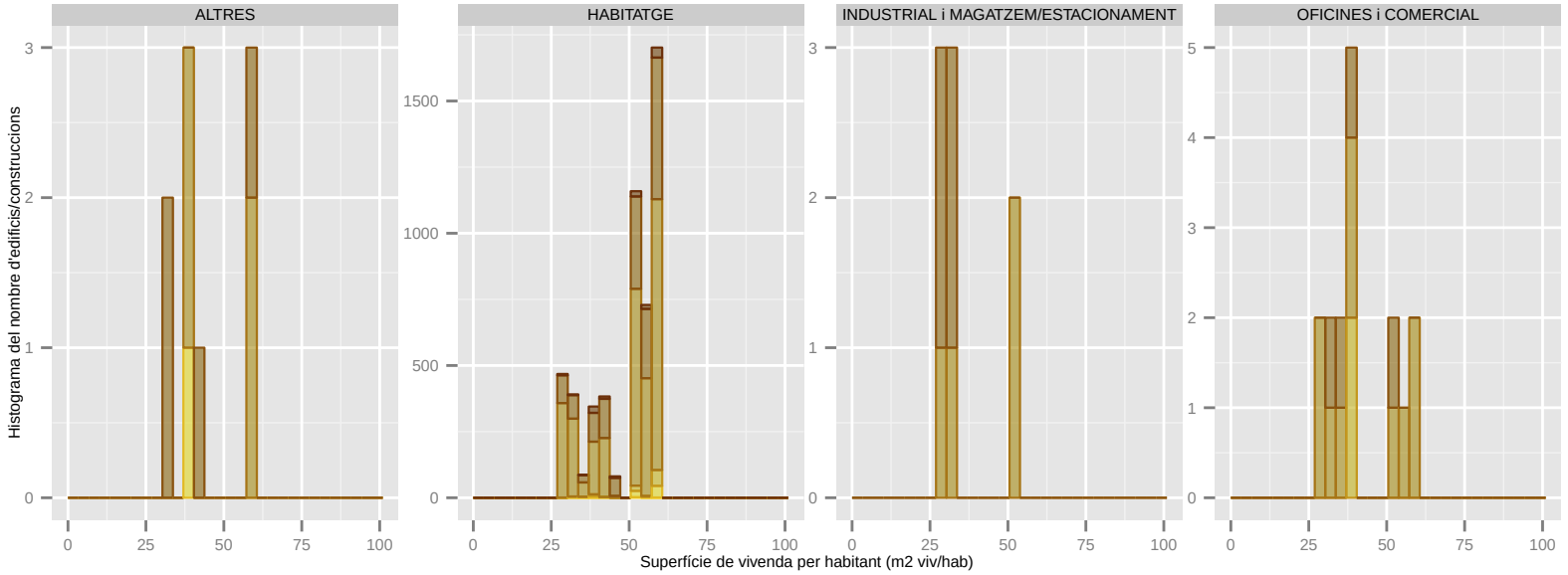
Superfície de vivenda per habitant (m2 viv/hab): CASTELLDEFELS





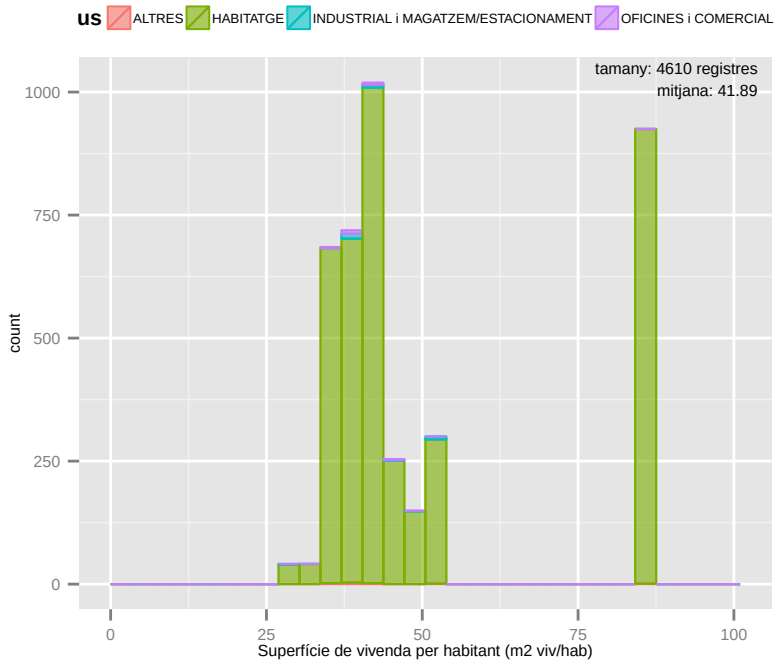


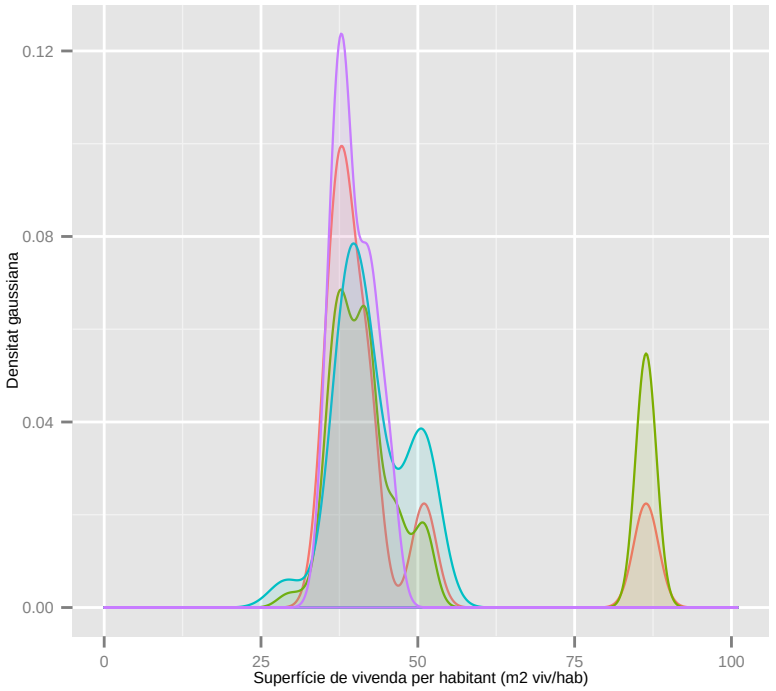


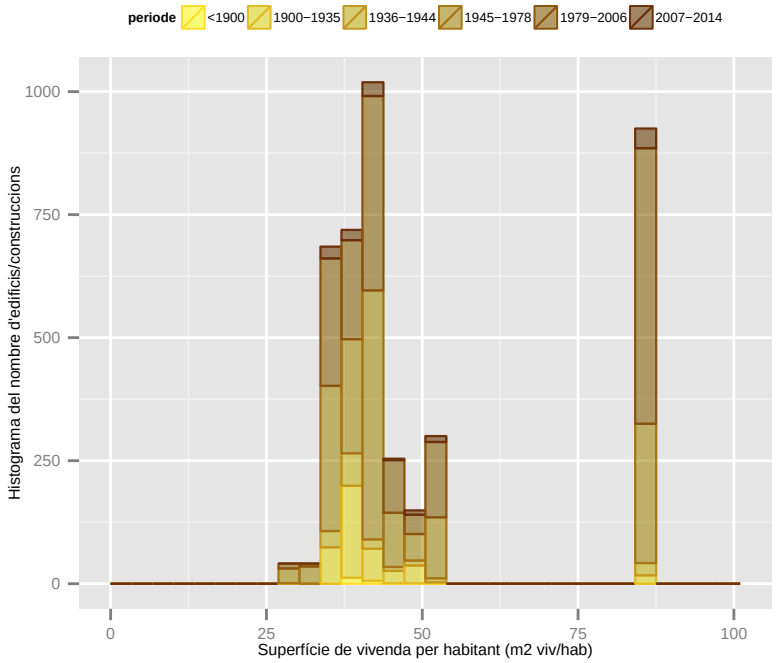


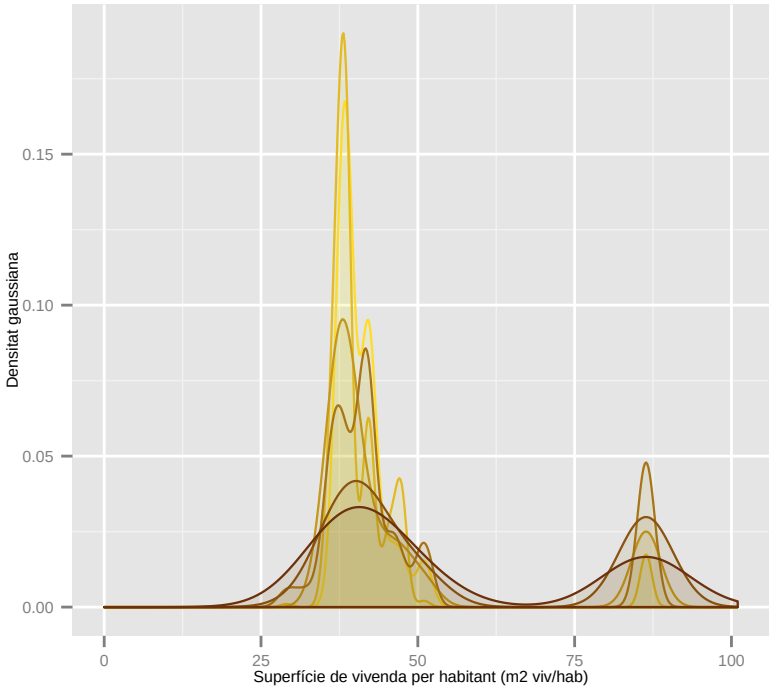
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

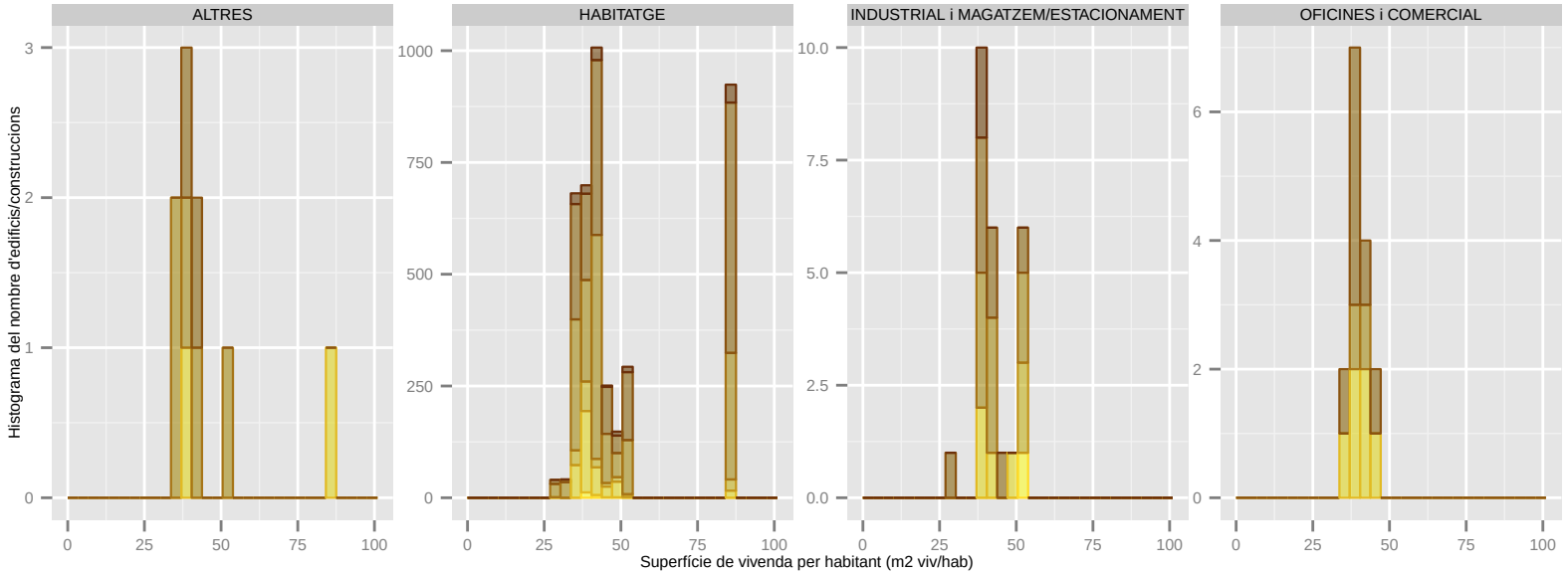
Superfície de vivenda per habitant (m2 viv/hab): CERDANYOLA DEL VALLES





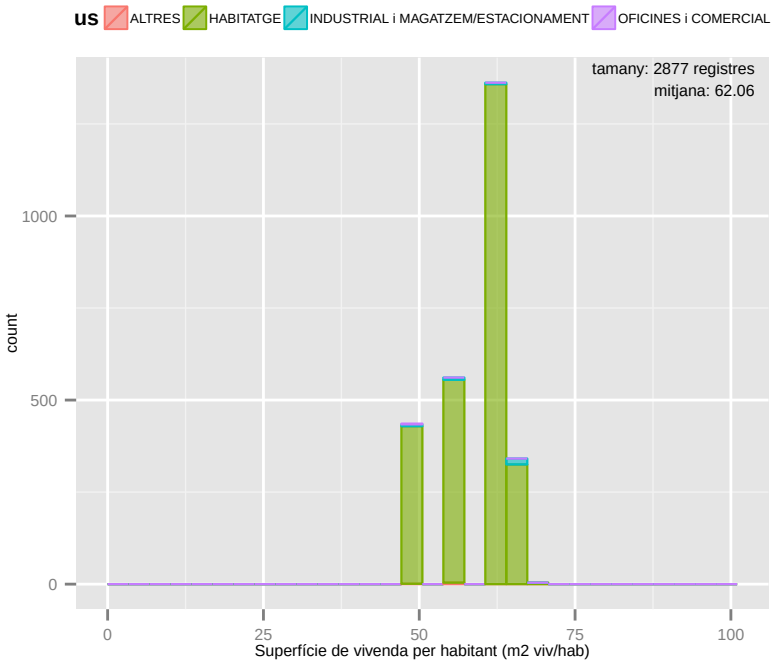


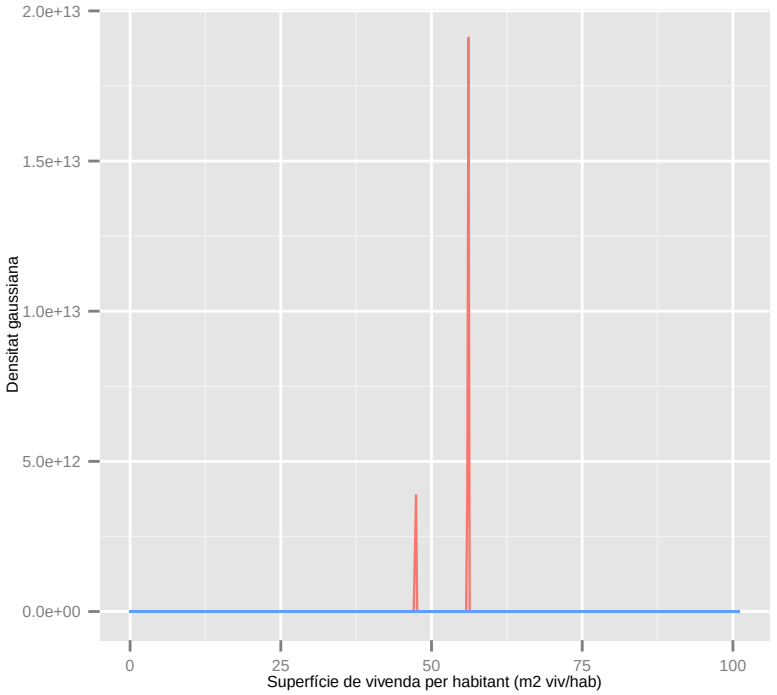


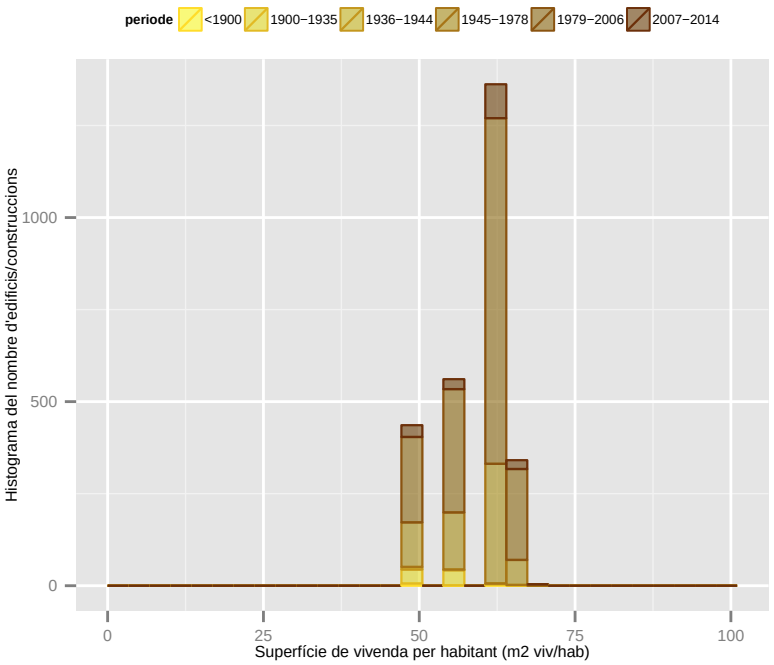


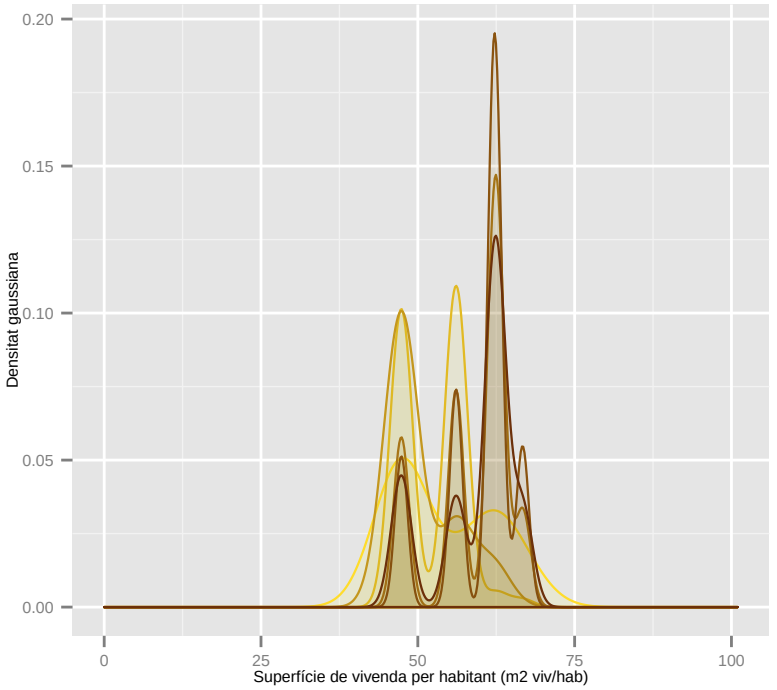
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

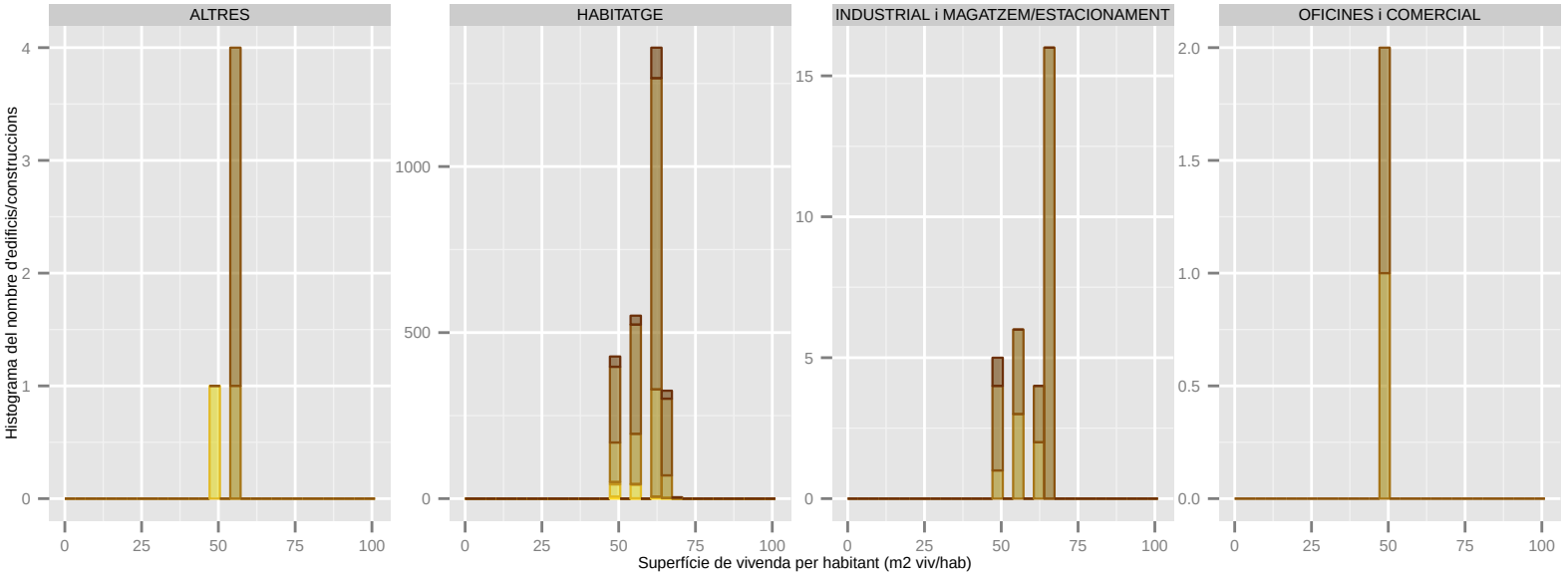
Superfície de vivenda per habitant (m2 viv/hab): CERVELLO





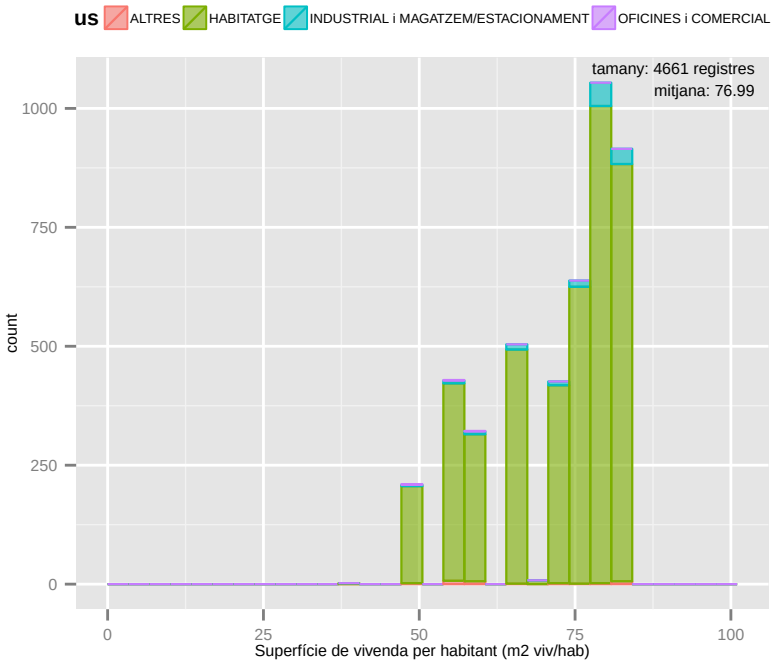


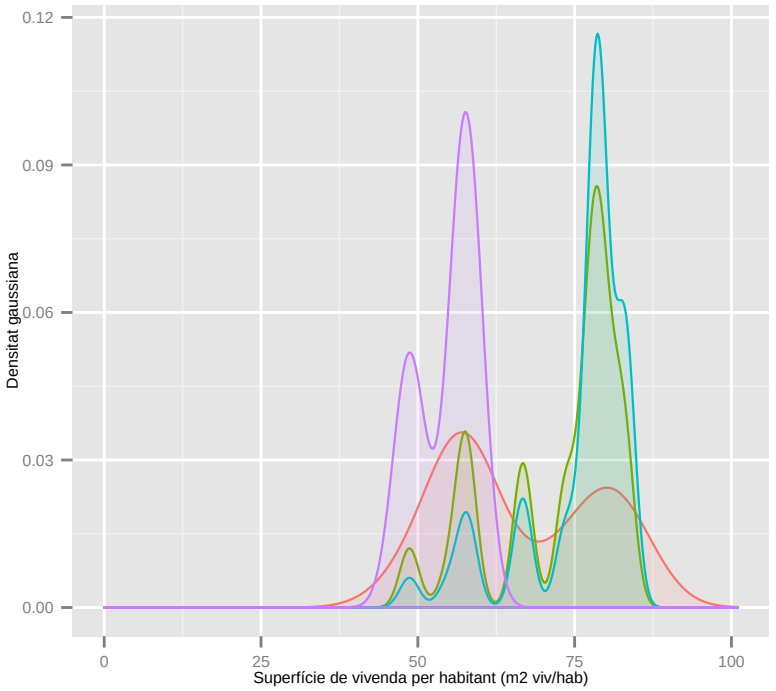


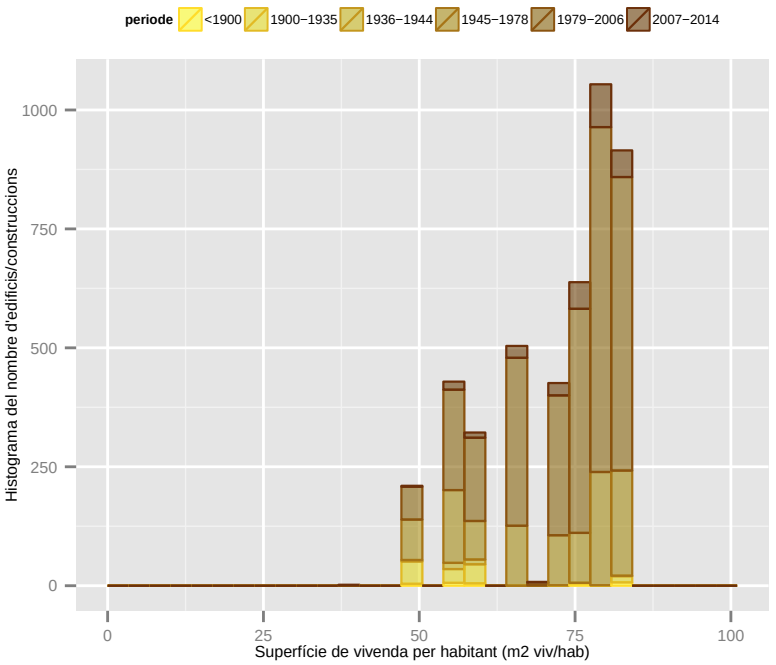


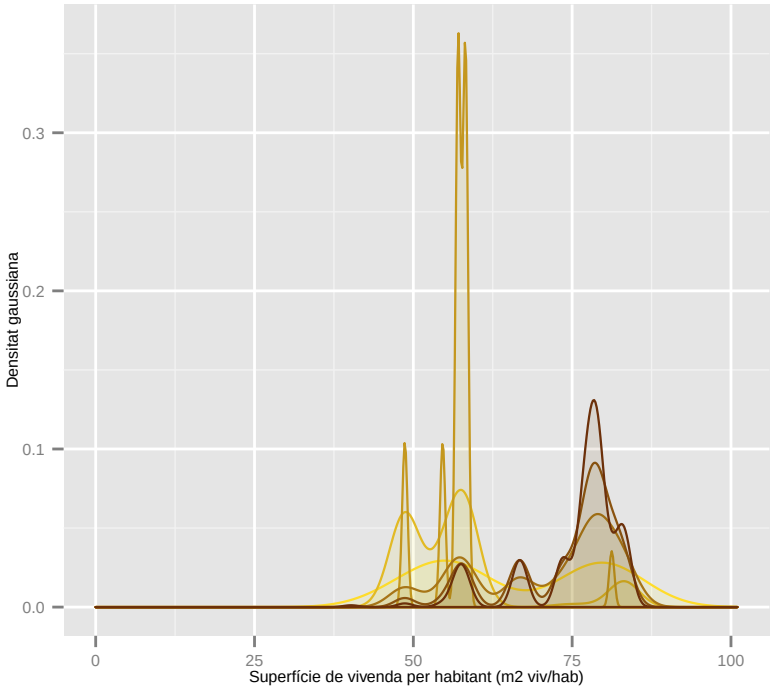
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

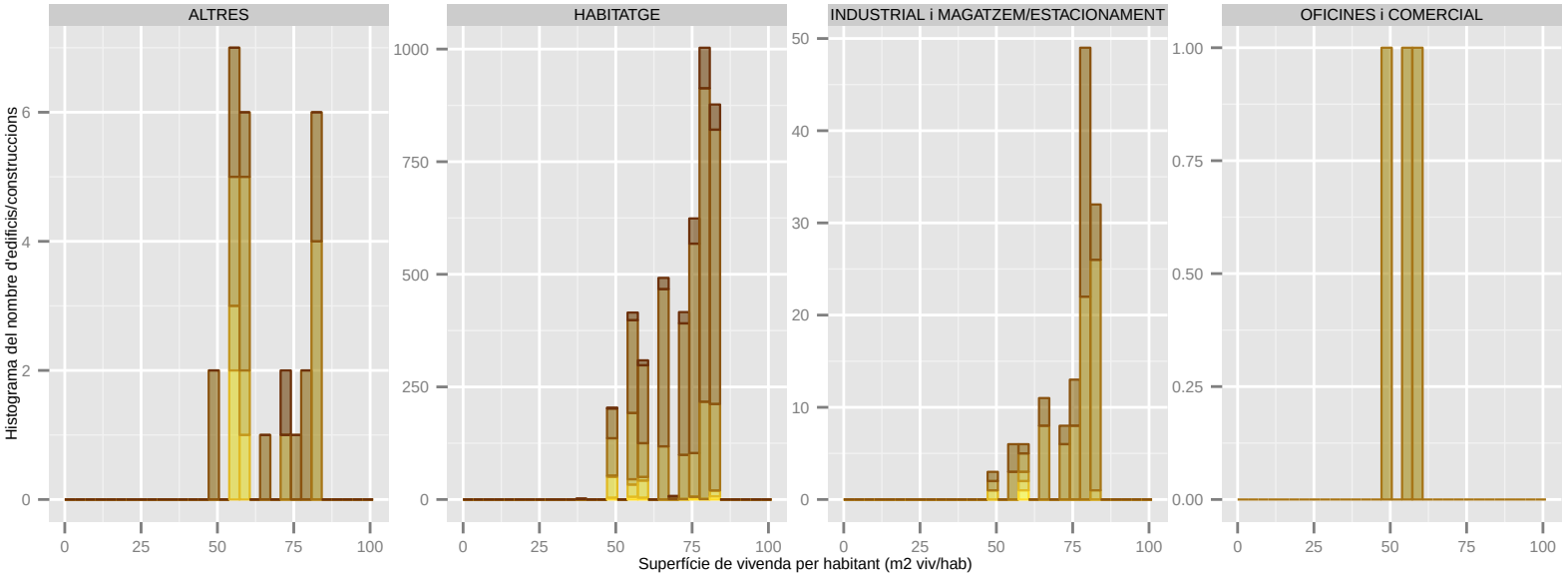
Superfície de vivenda per habitant (m2 viv/hab): CORBERA DE LLOBREGAT





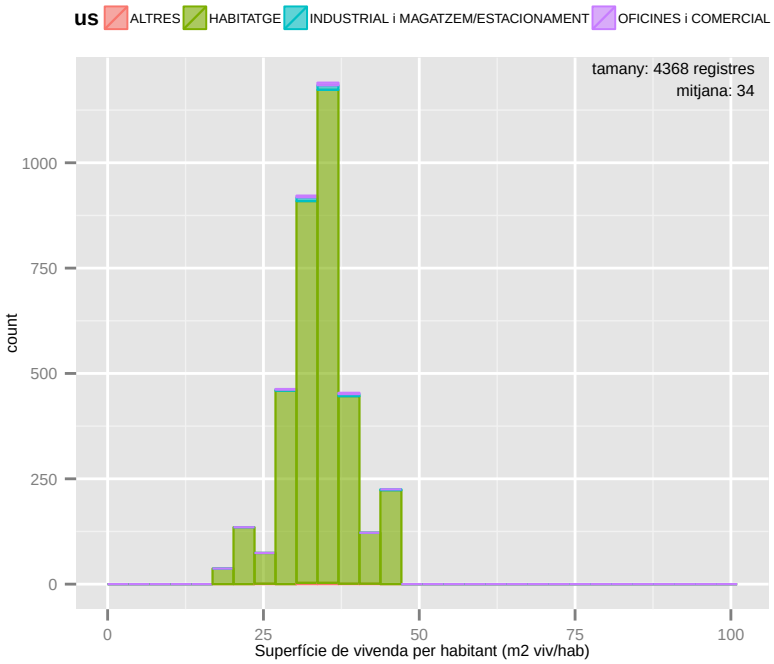


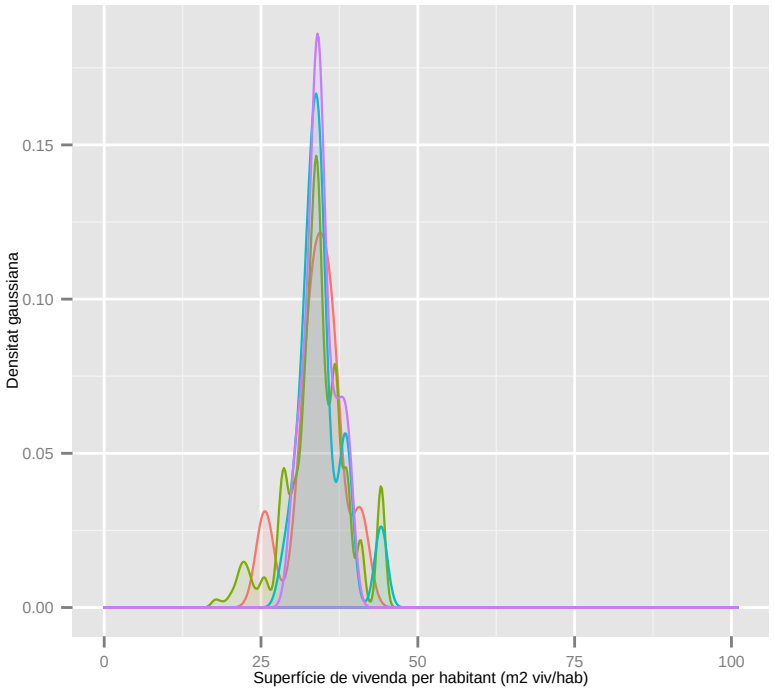


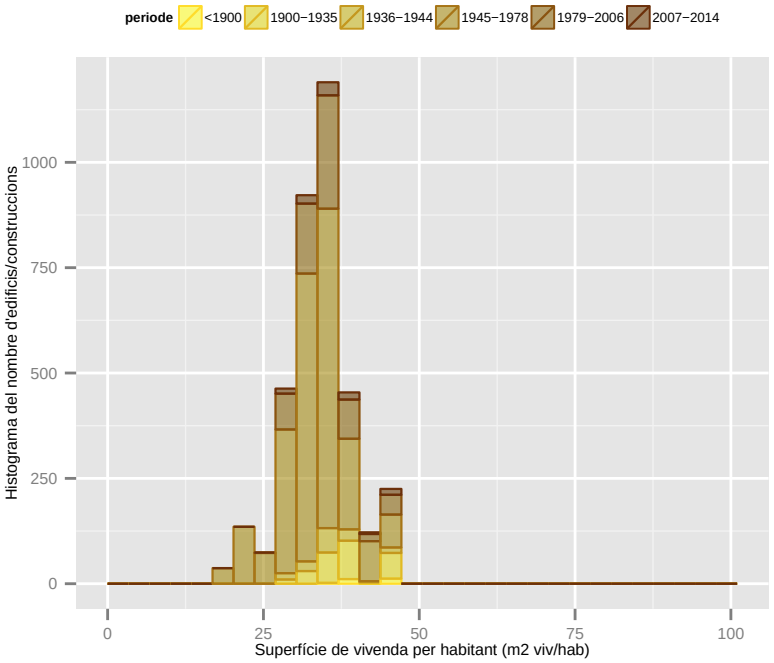


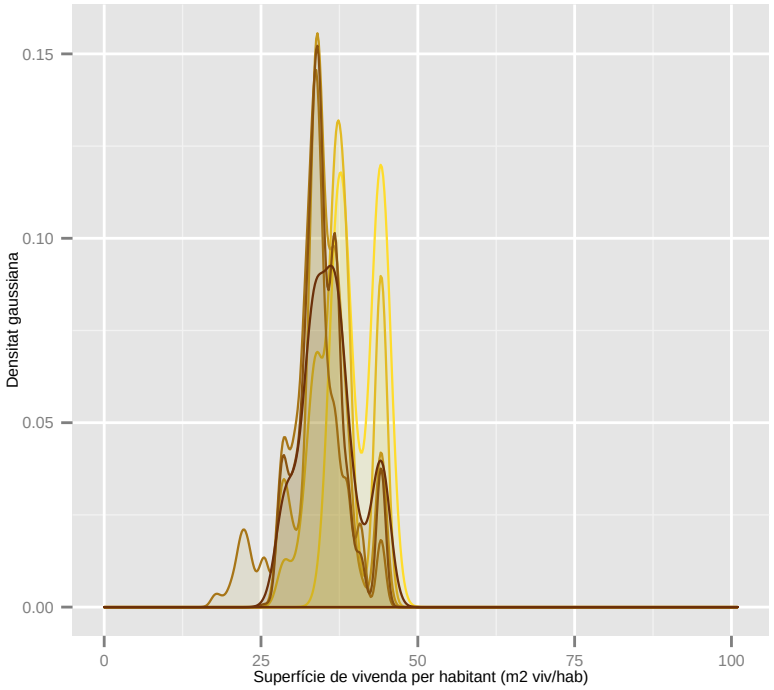
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

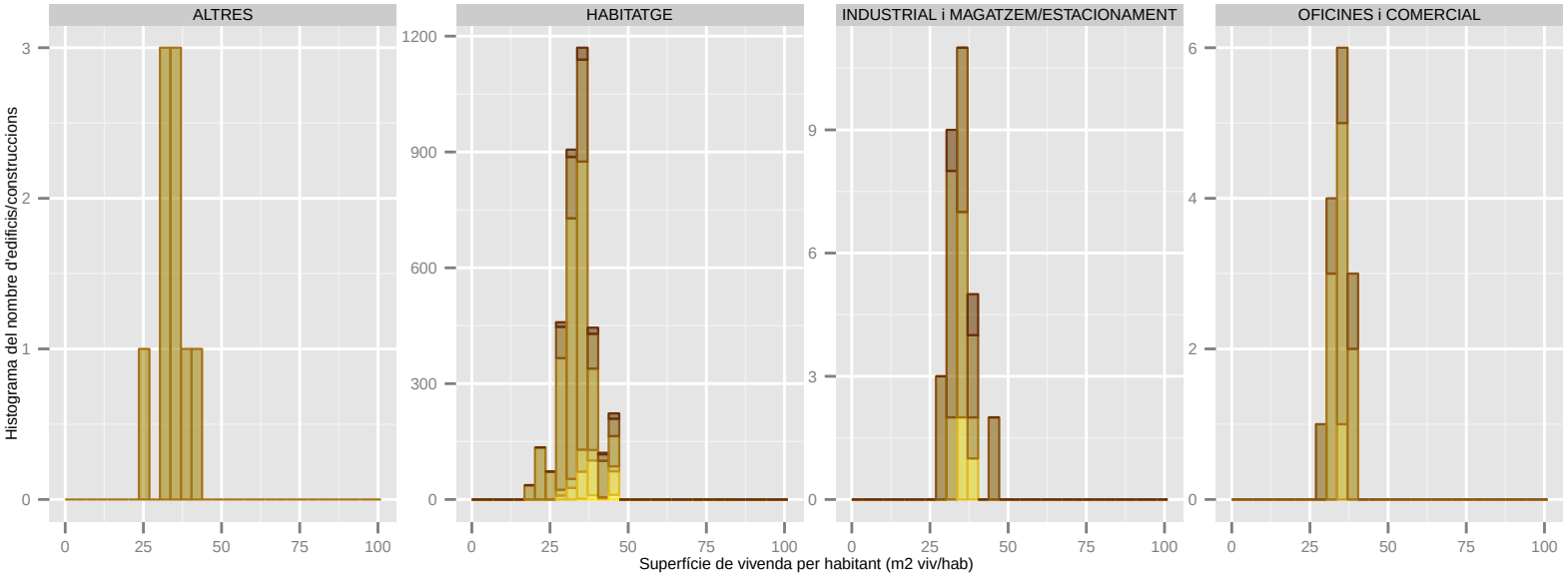
Superfície de vivenda per habitant (m2 viv/hab): CORNELLA DE LLOBREGAT





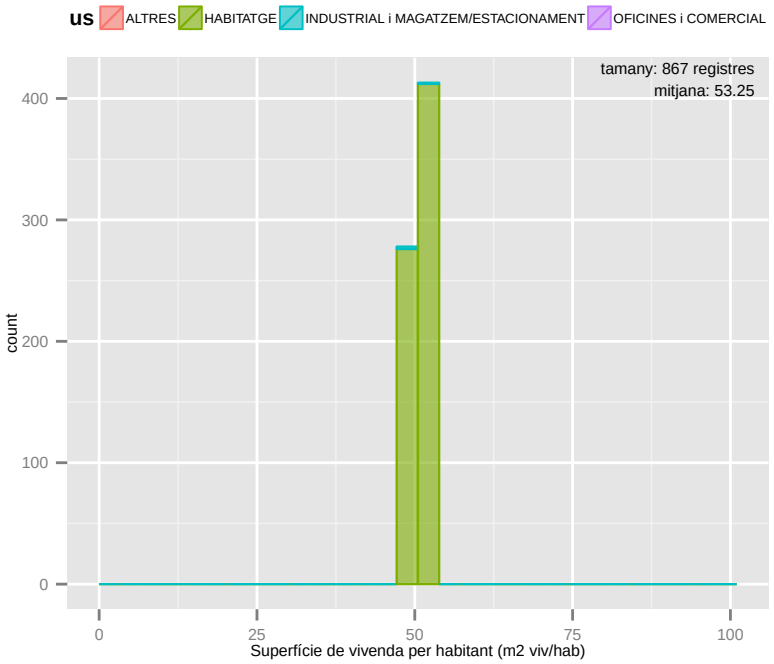


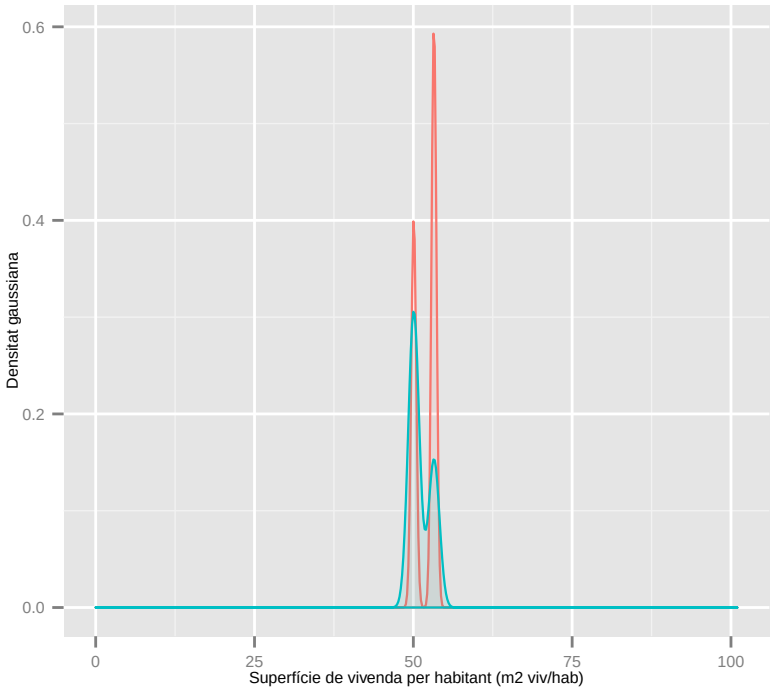


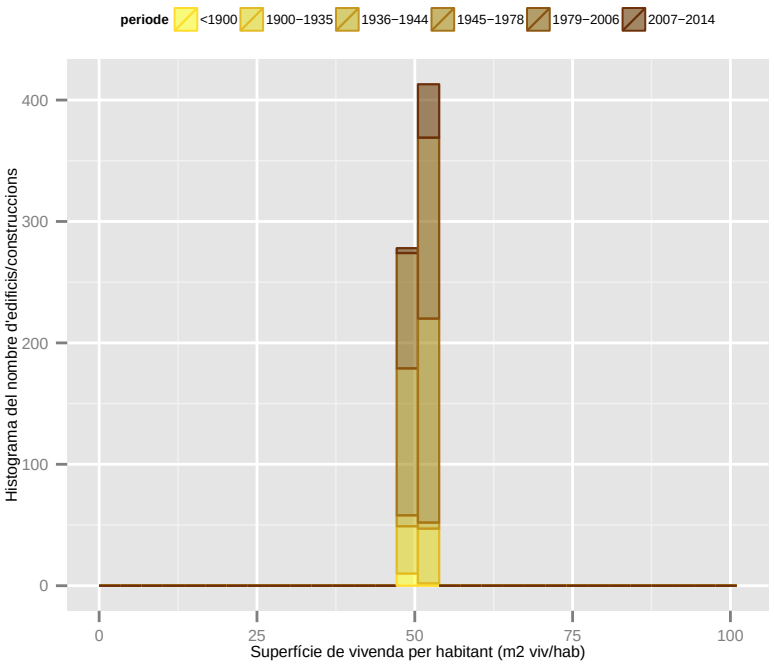


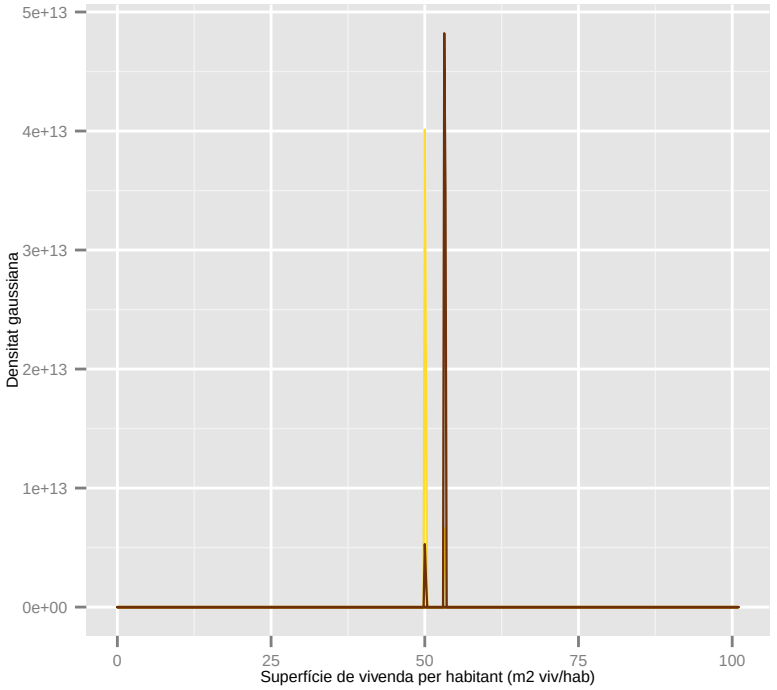
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

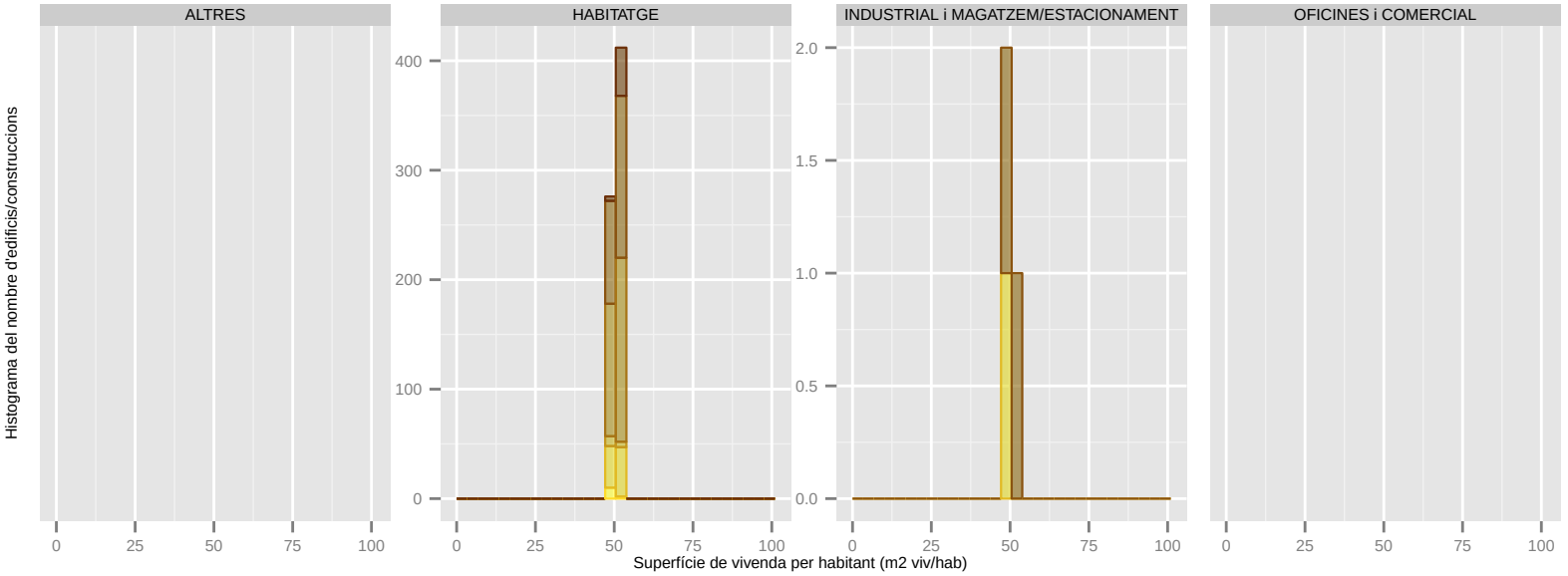
Superfície de vivenda per habitant (m2 viv/hab): EL PAPIOL





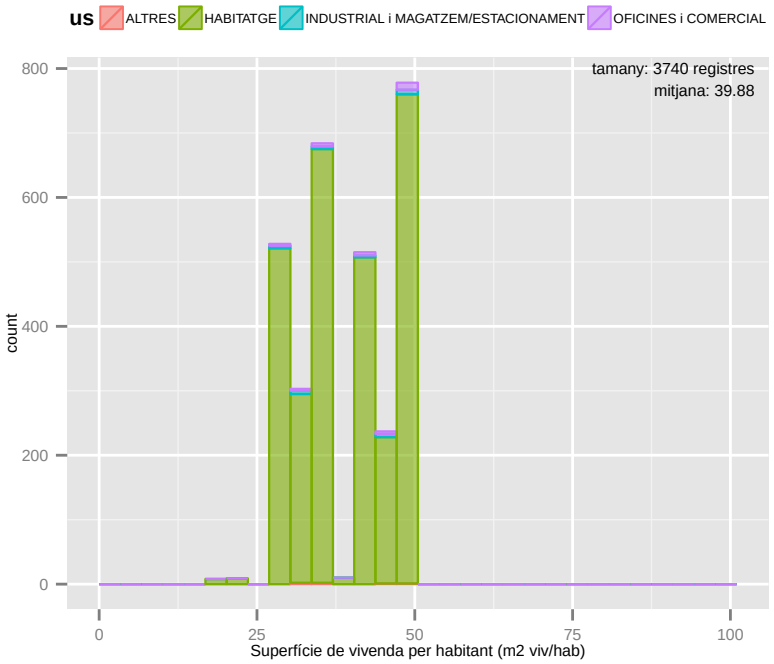


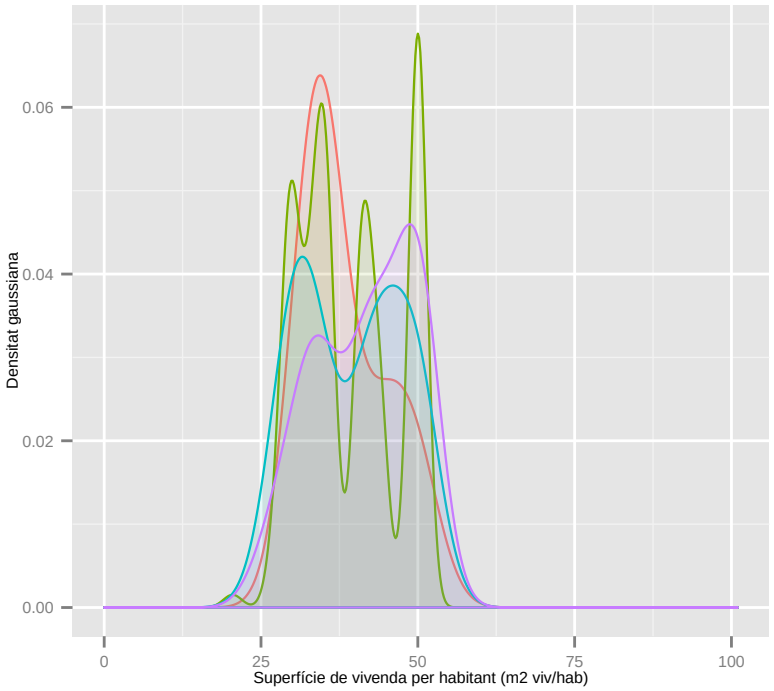


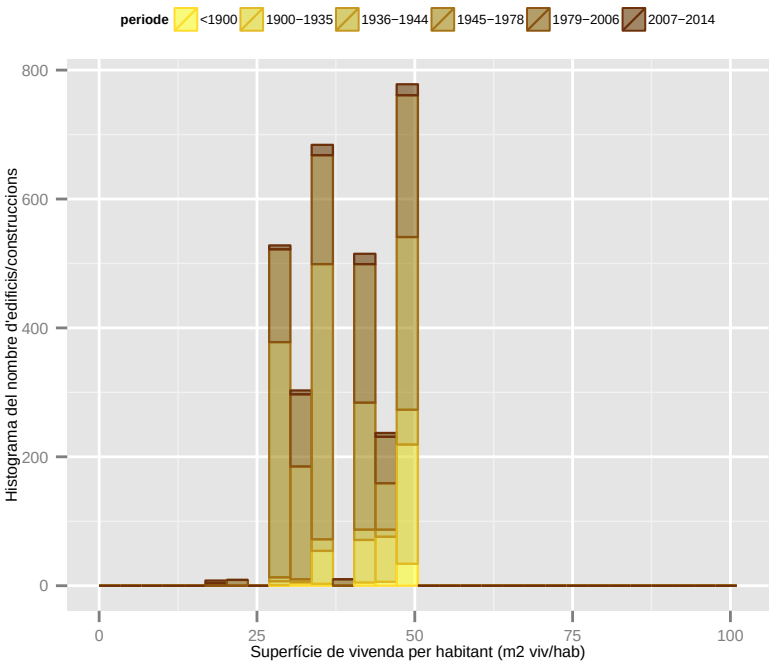


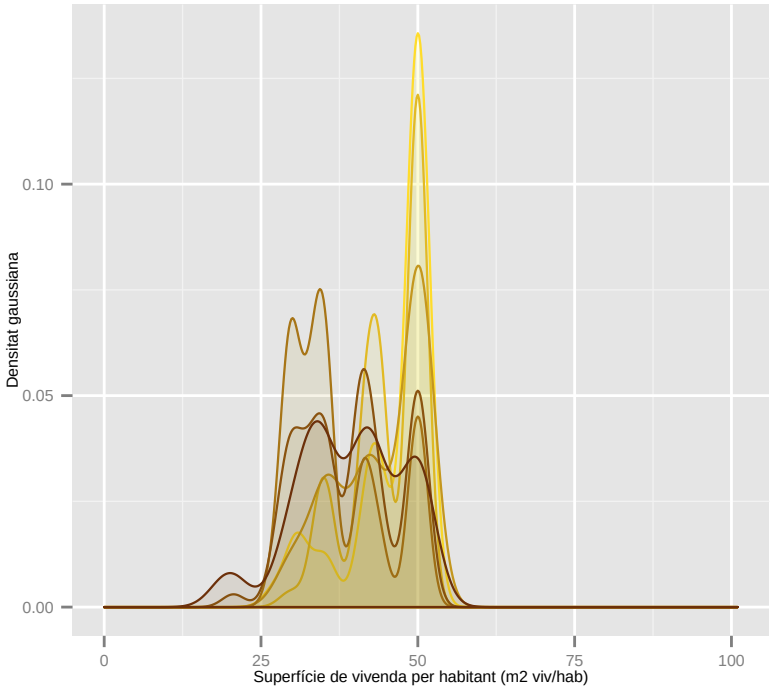
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

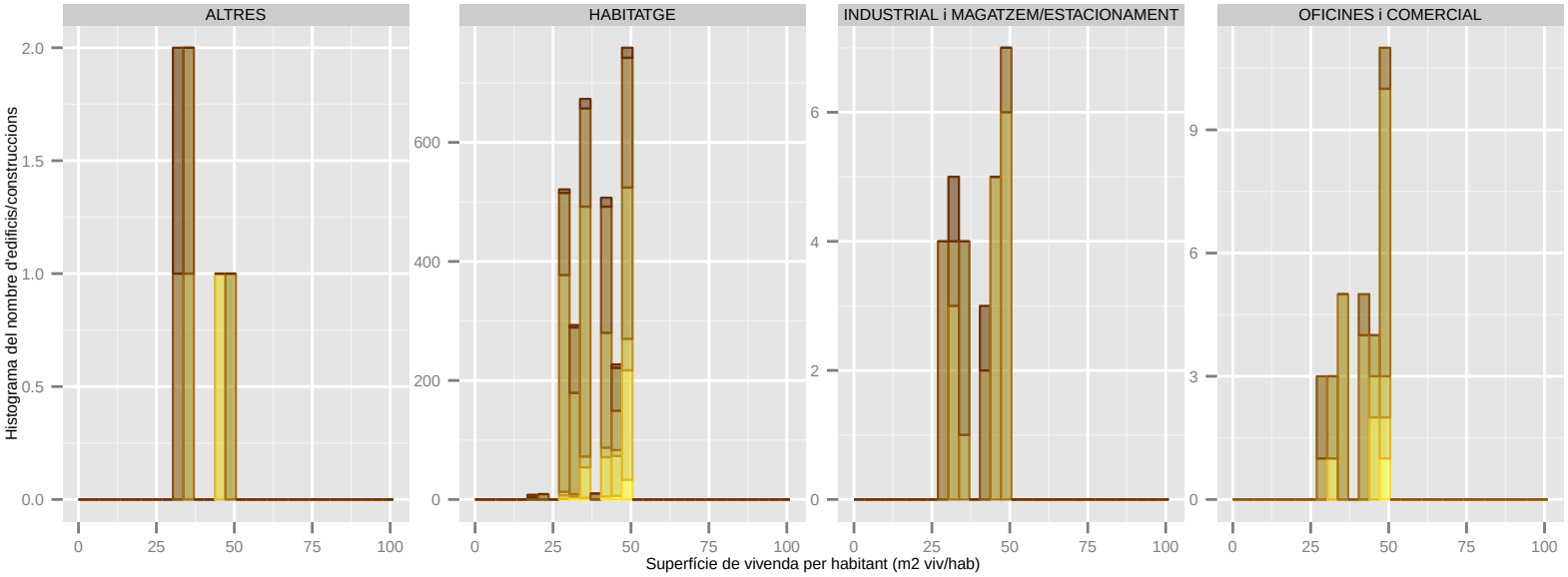
Superfície de vivenda per habitant (m2 viv/hab): EL PRAT DE LLOBREGAT





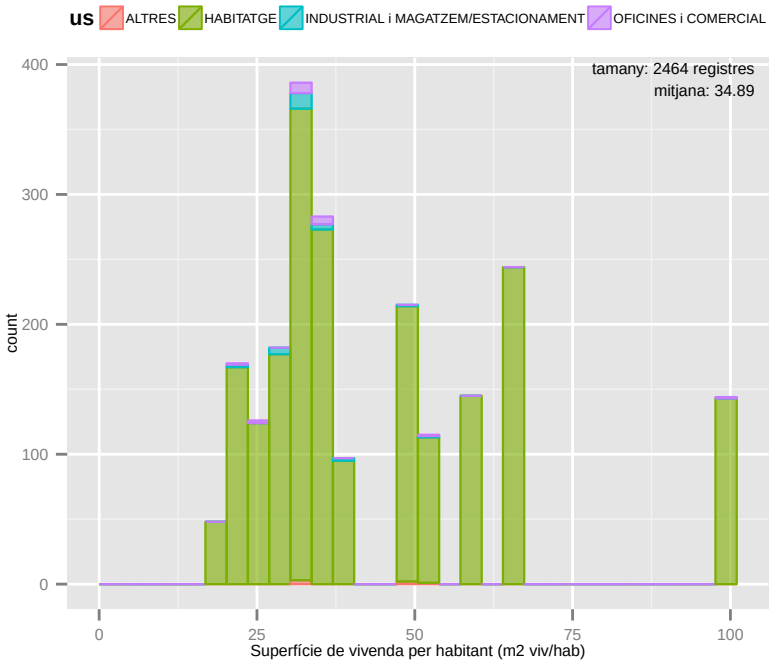


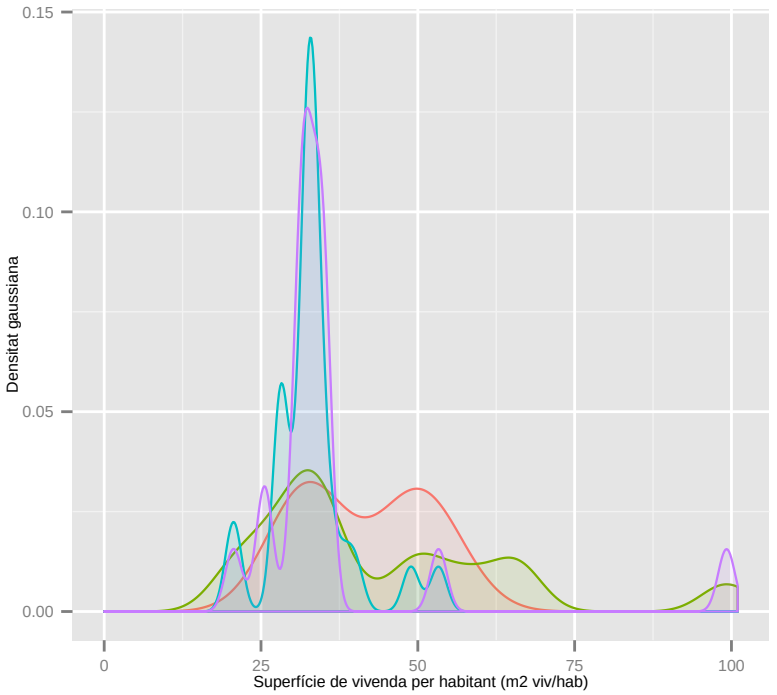


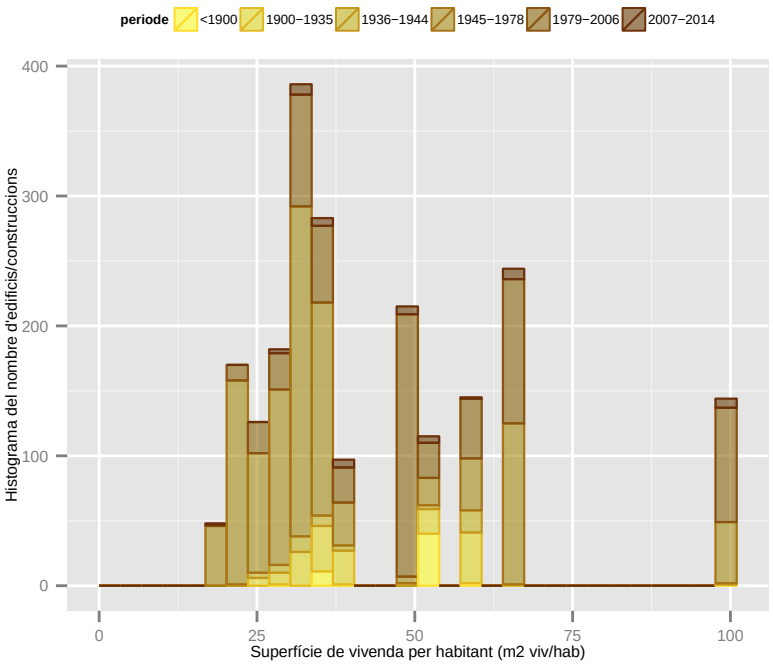


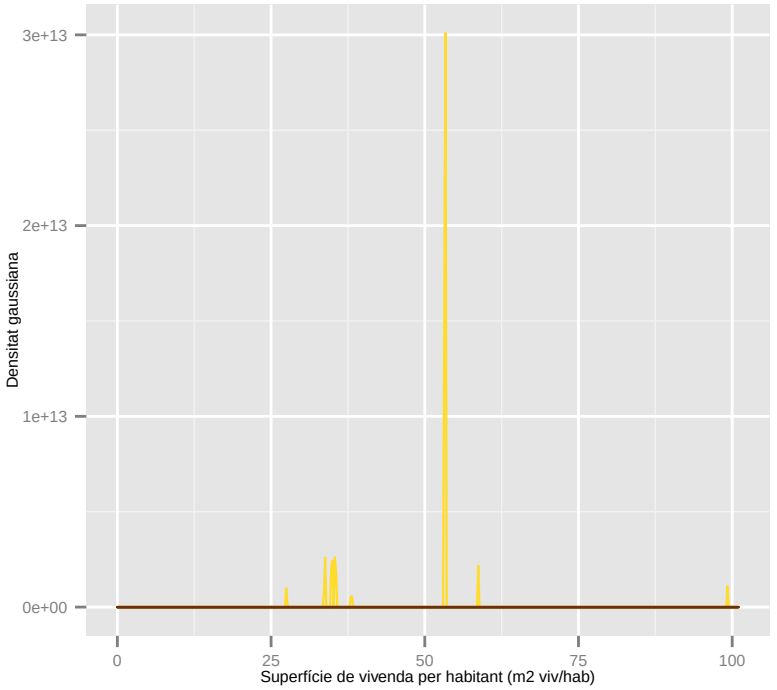
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

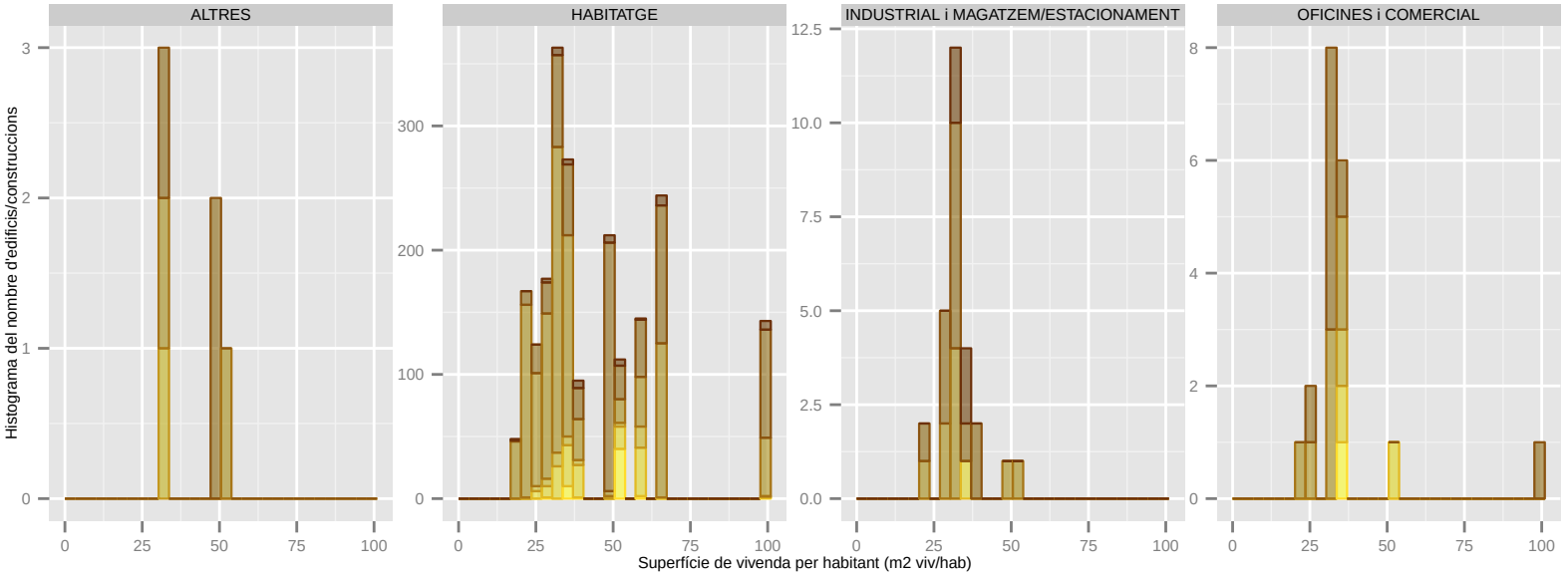
Superfície de vivenda per habitant (m2 viv/hab): ESPLUGUES DE LLOBREGAT





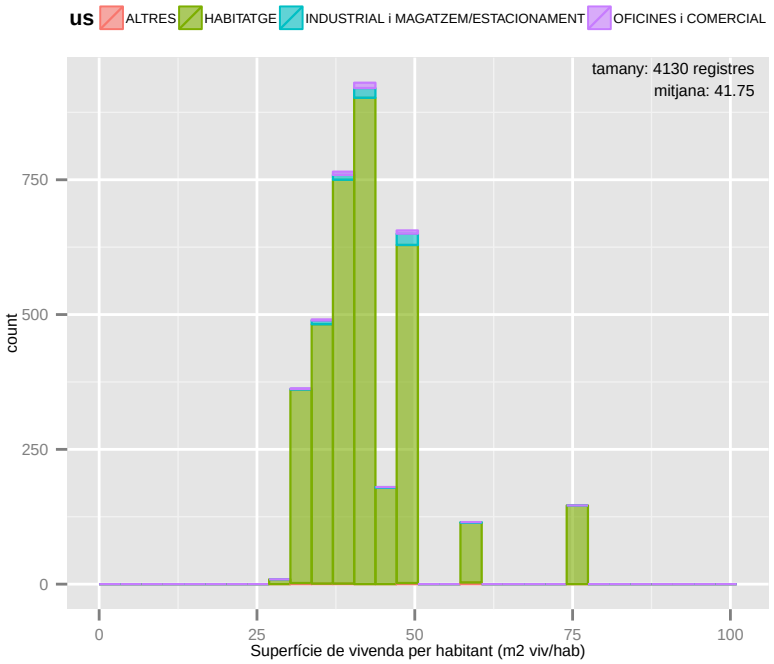


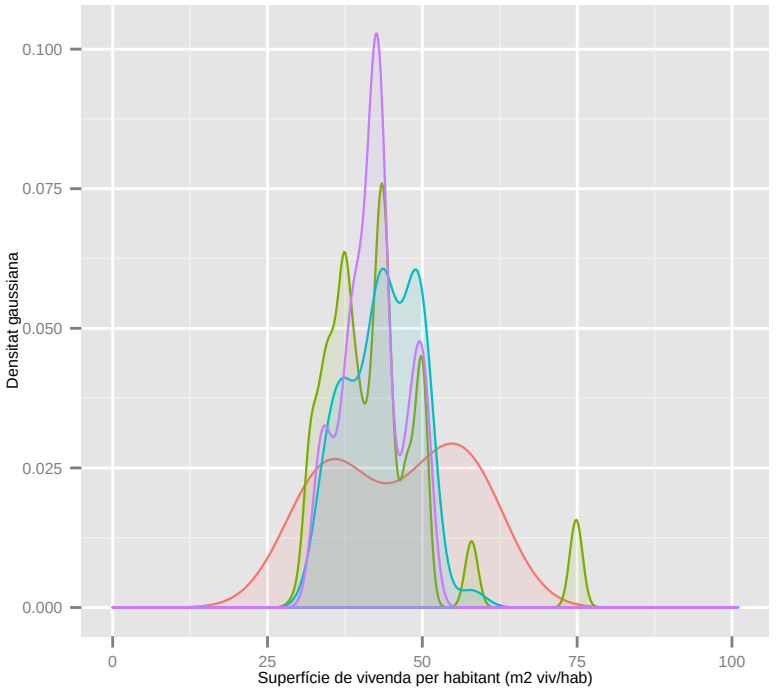


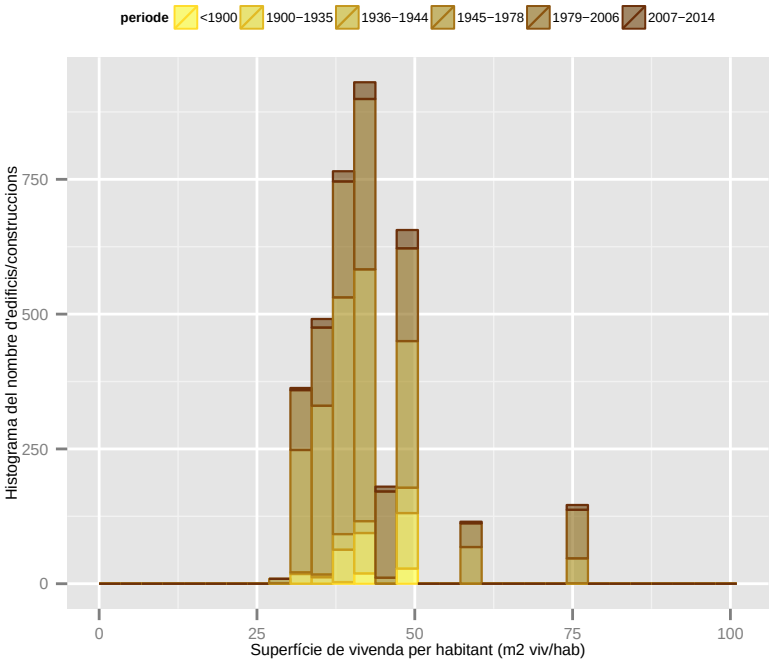


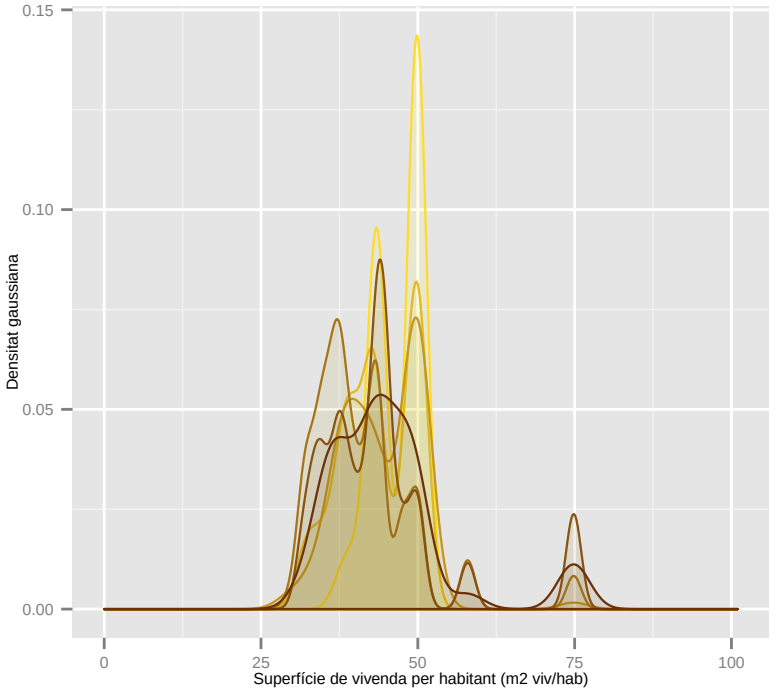
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

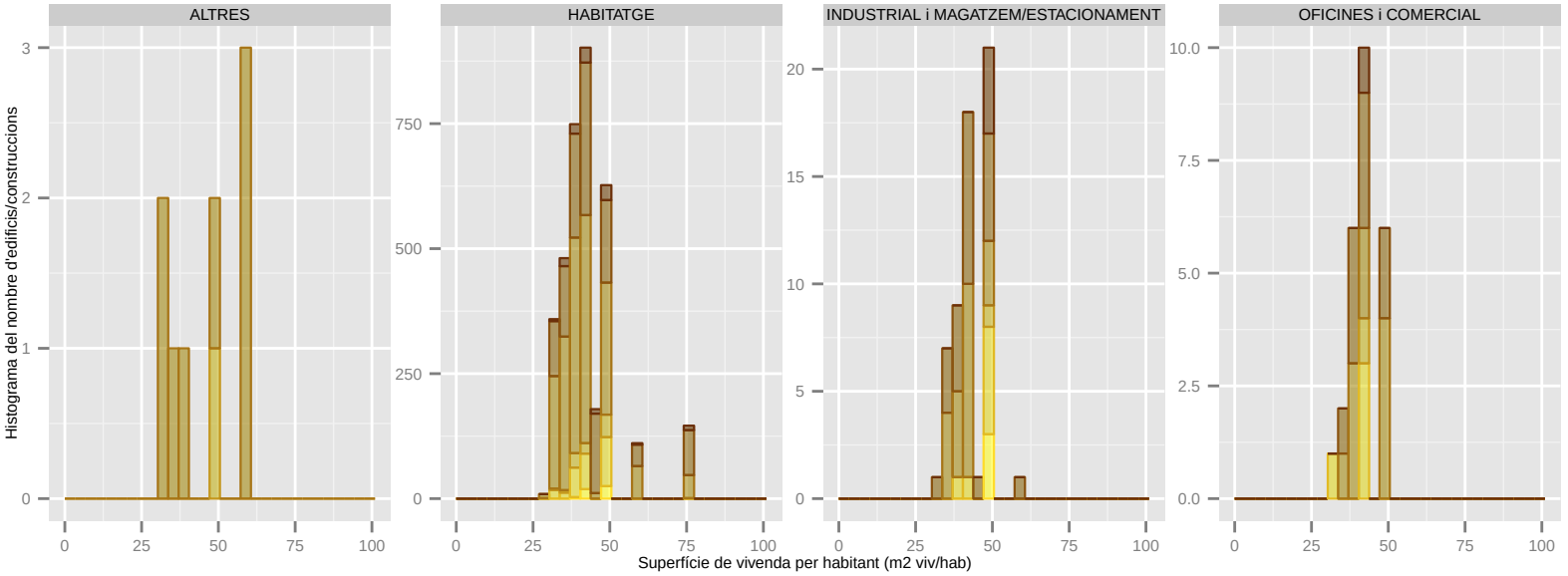
Superfície de vivenda per habitant (m2 viv/hab): GAVA





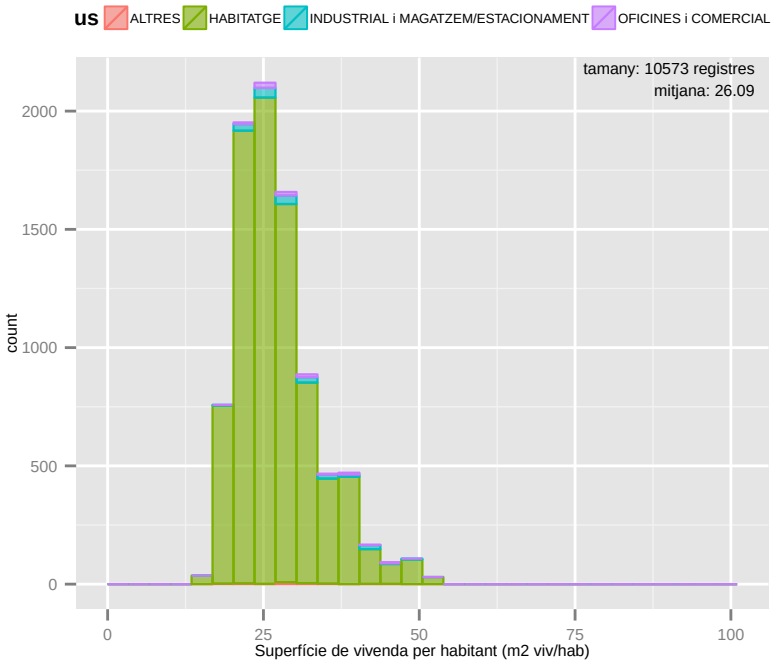


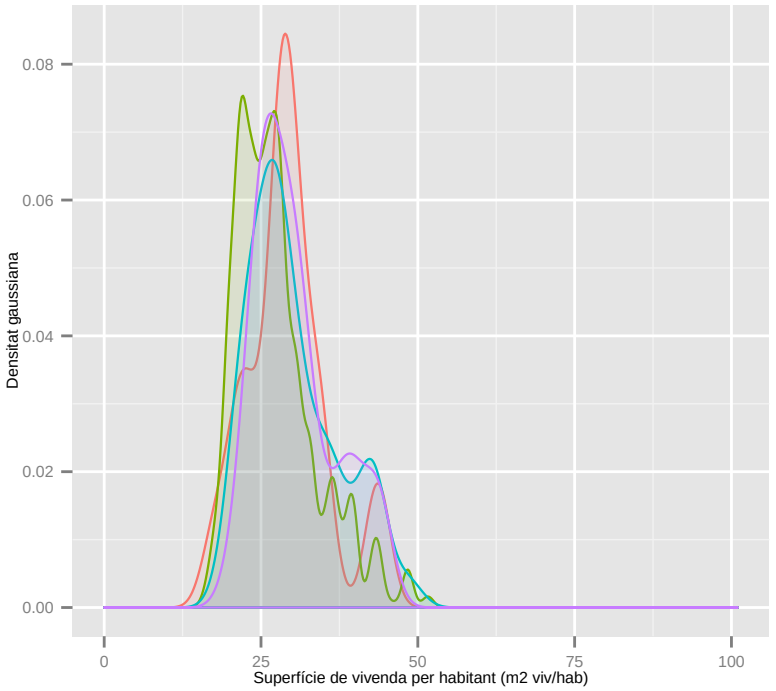


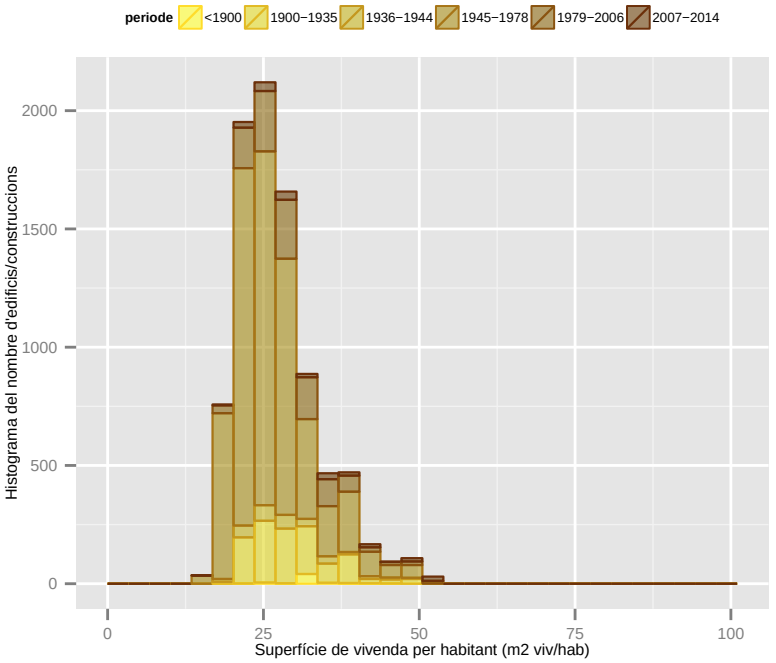


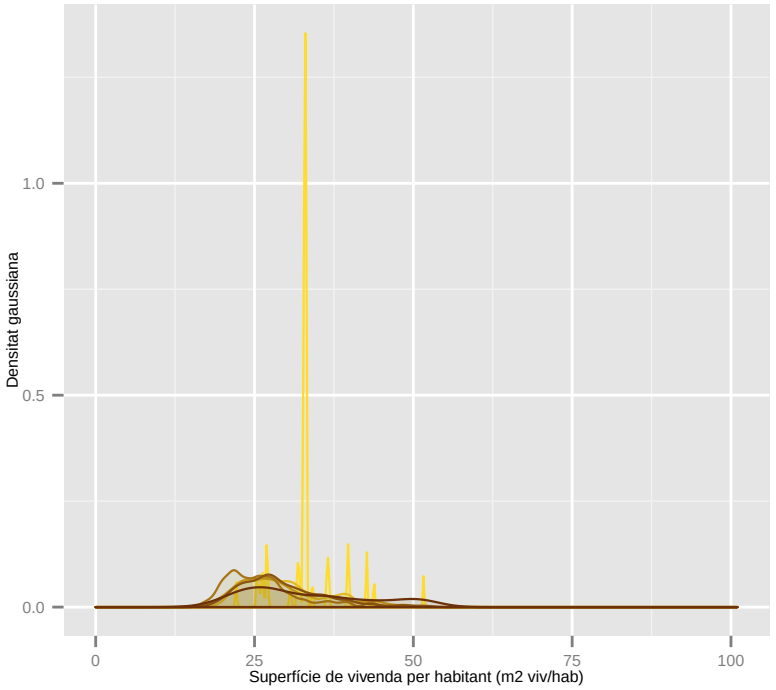
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

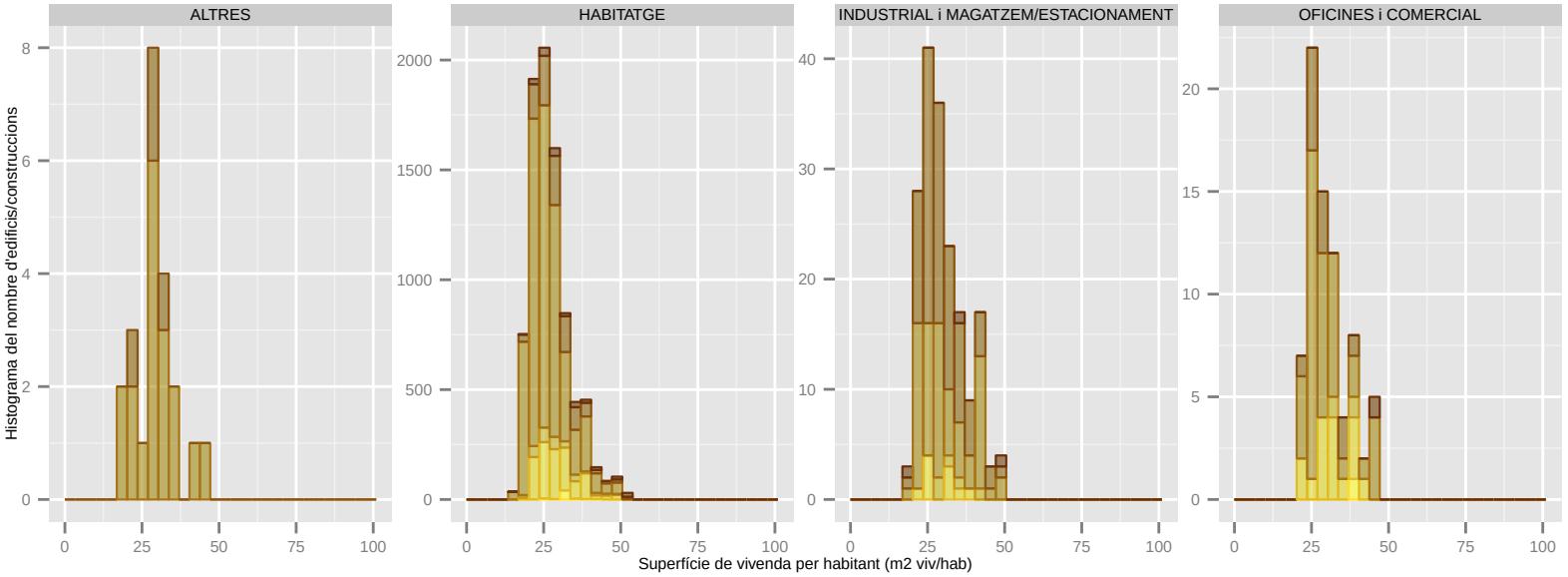
Superfície de vivenda per habitant (m2 viv/hab): L'HOSPITALET DE LLOBREGAT





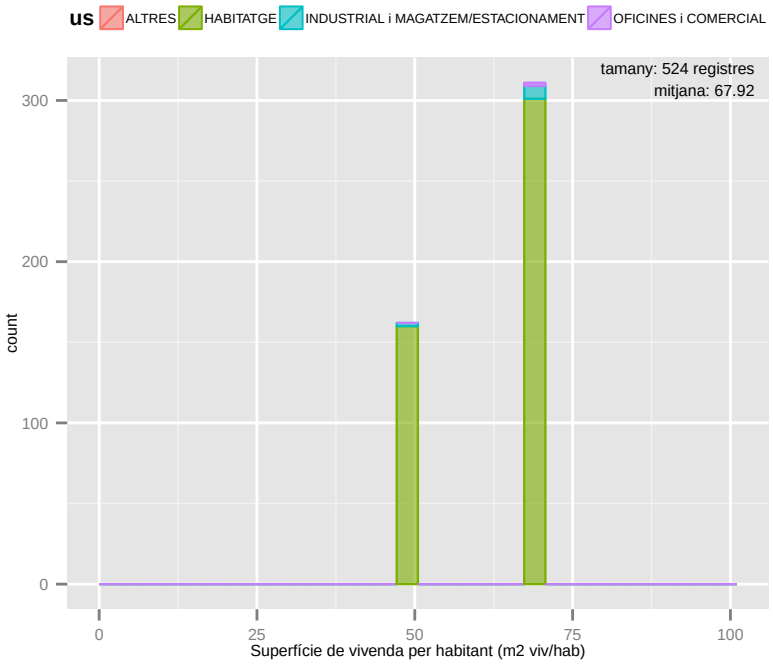


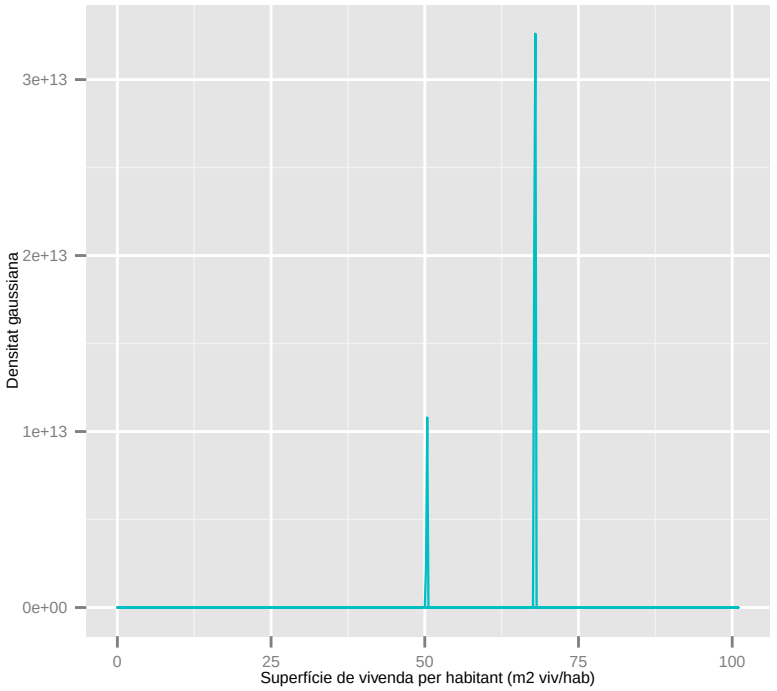


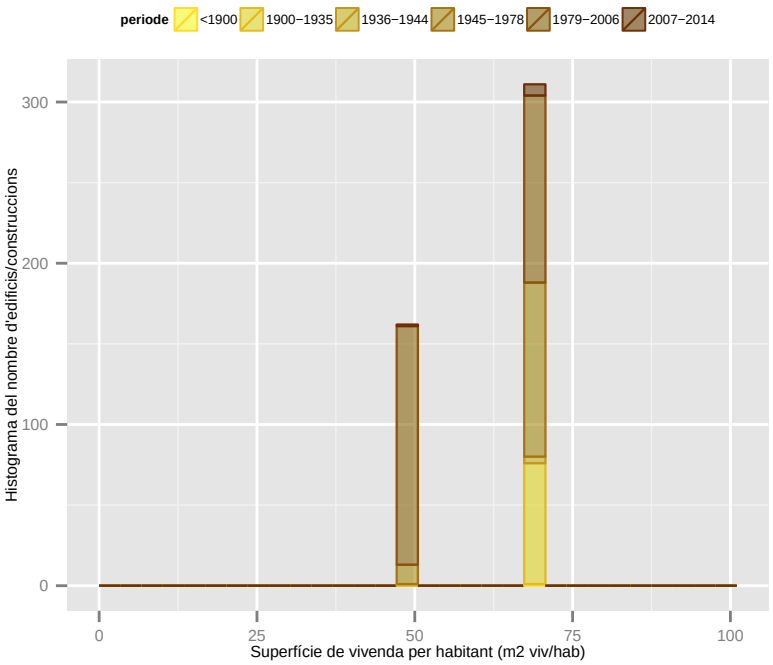


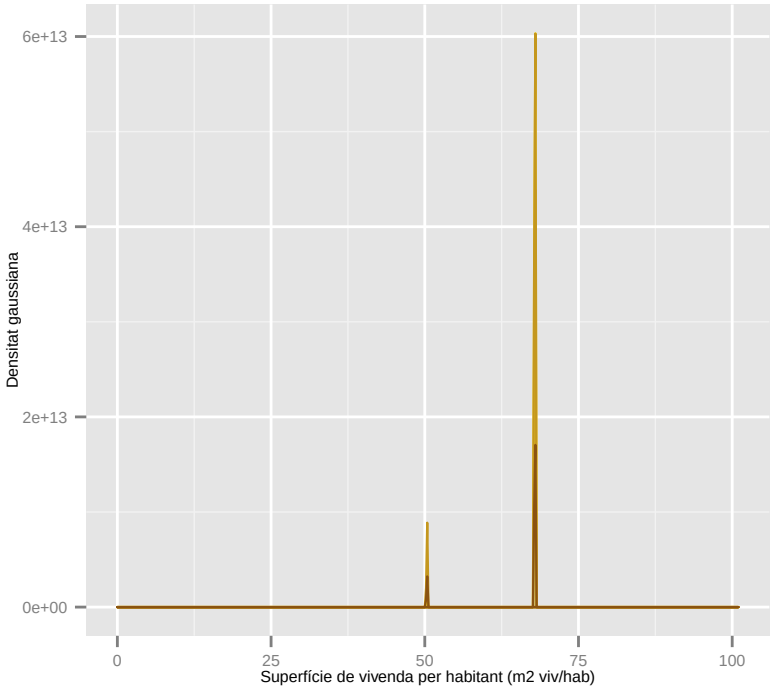
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

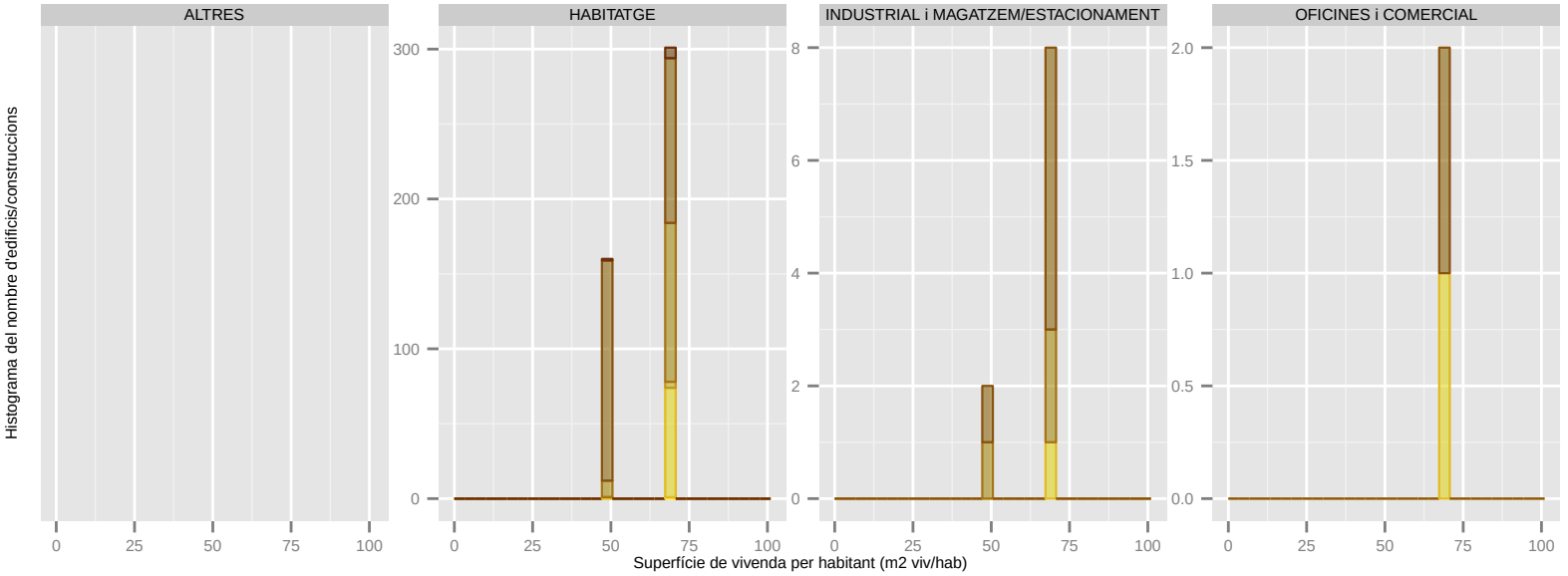
Superfície de vivenda per habitant (m2 viv/hab): LA PALMA DE CERVELLO





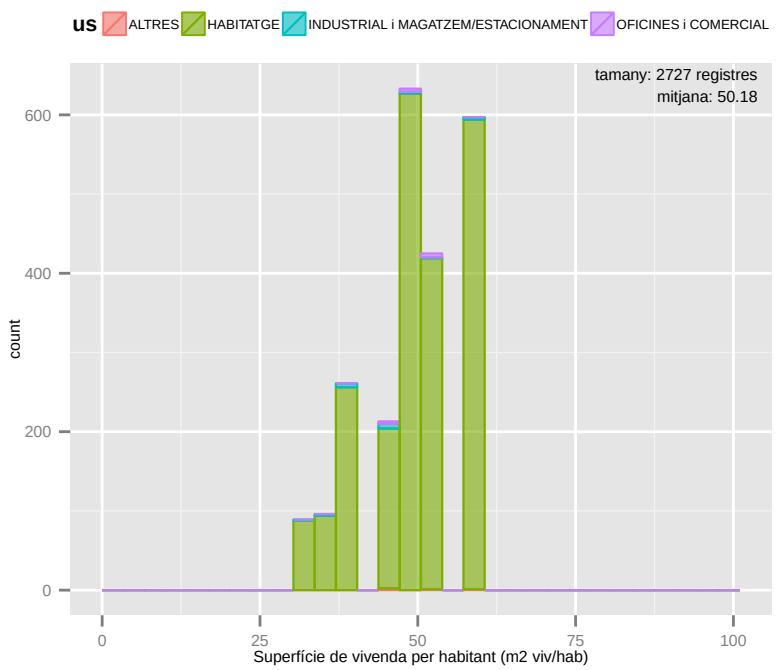


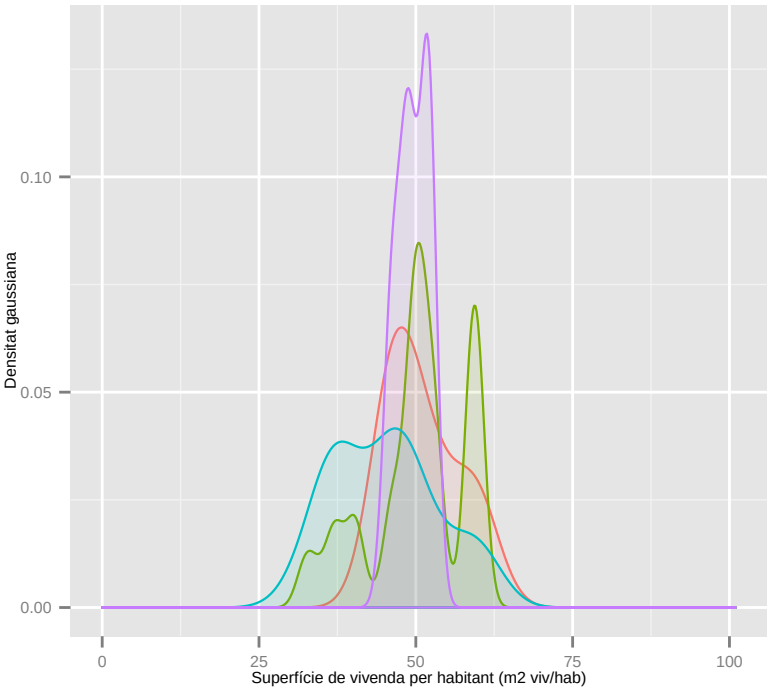


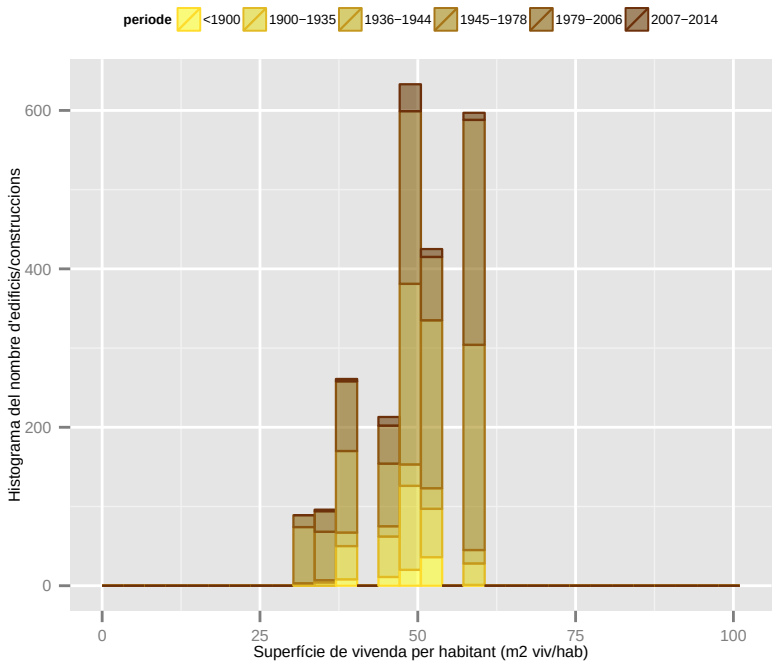


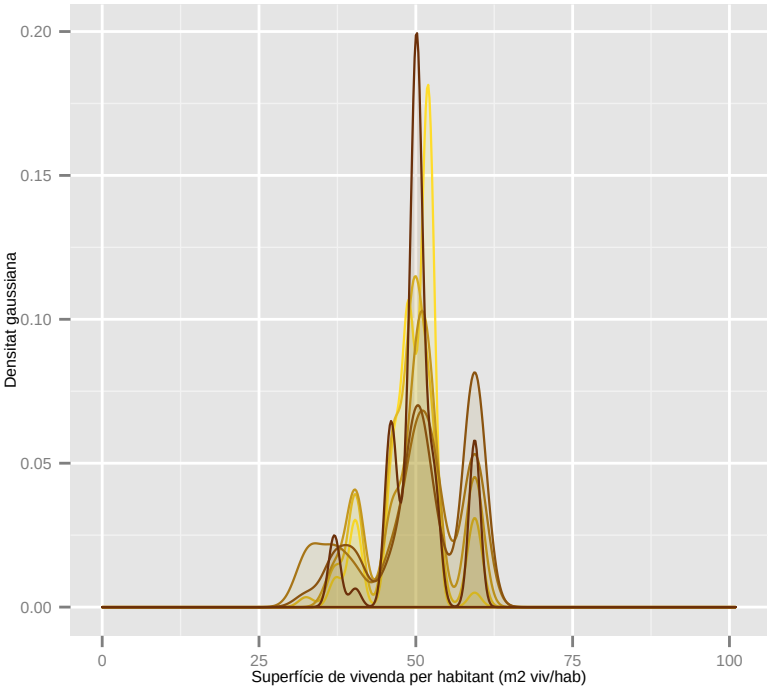
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

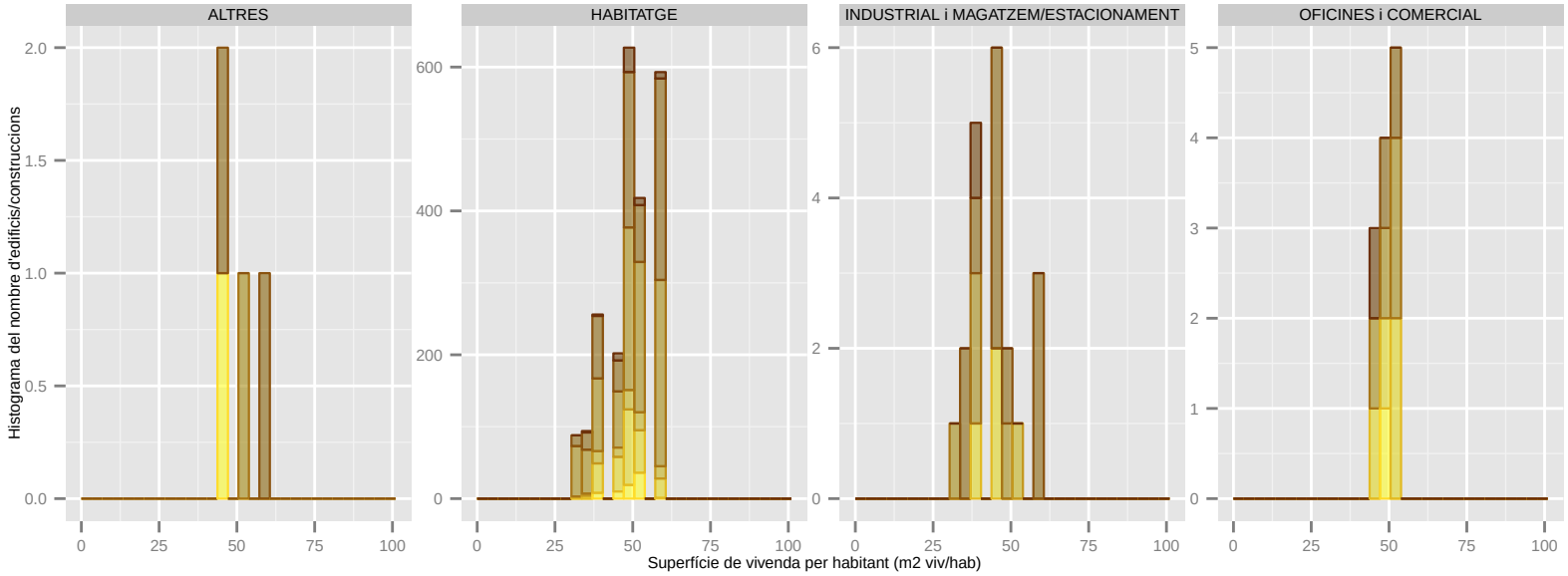
Superfície de vivenda per habitant (m2 viv/hab): MOLINS DE REI





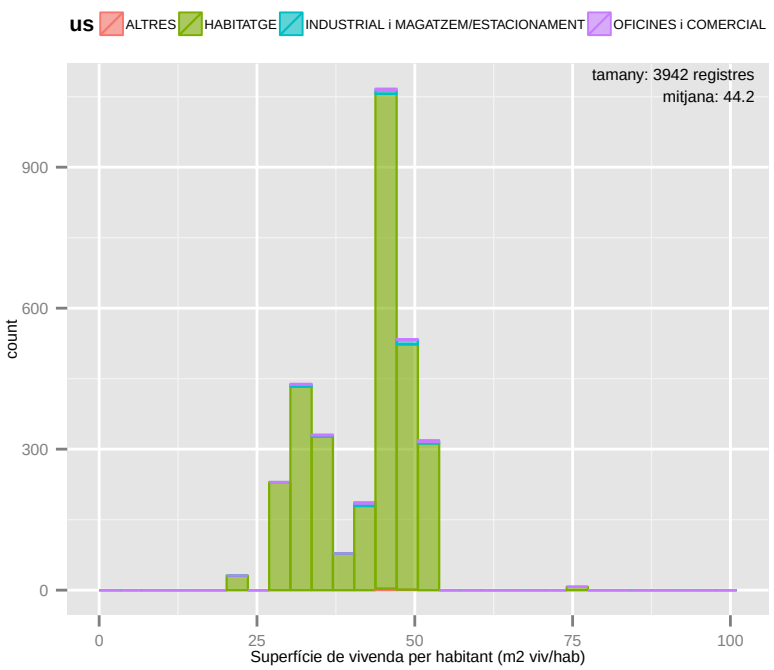


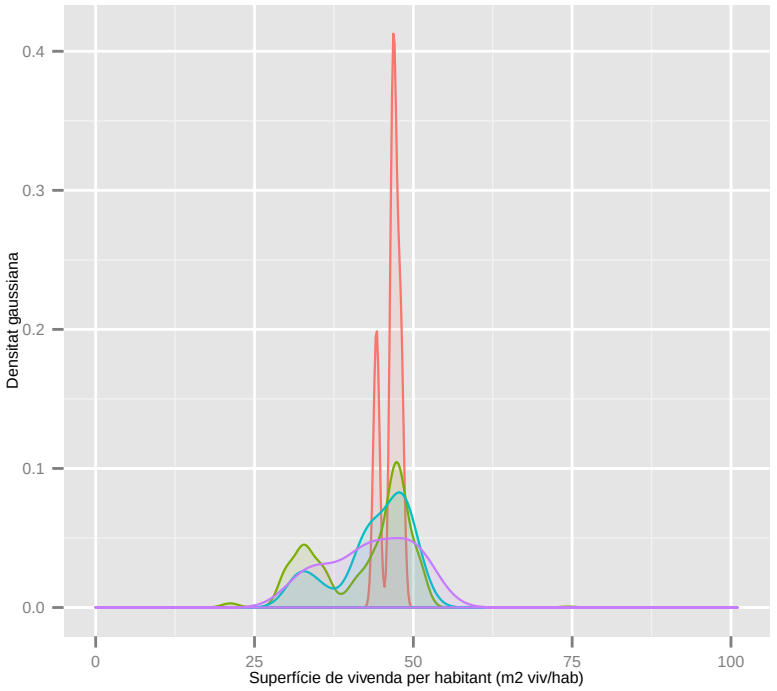


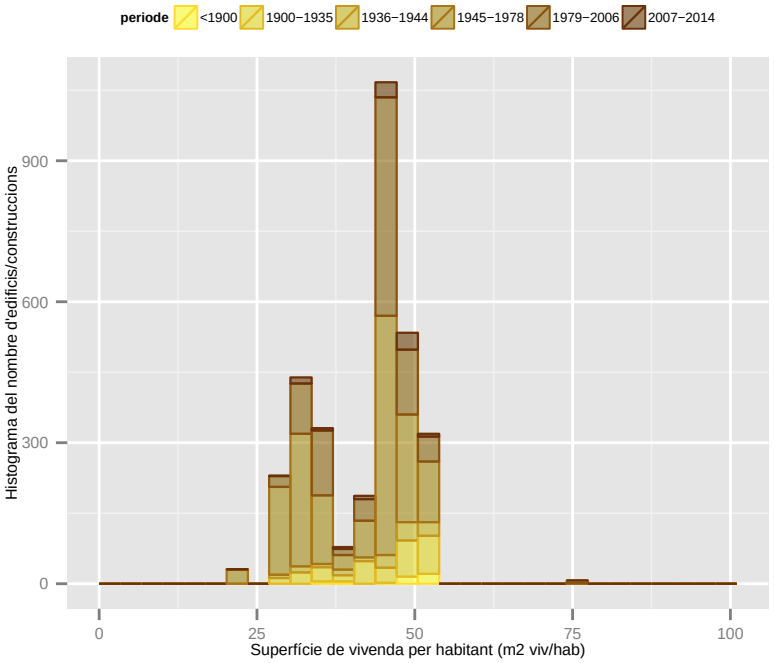


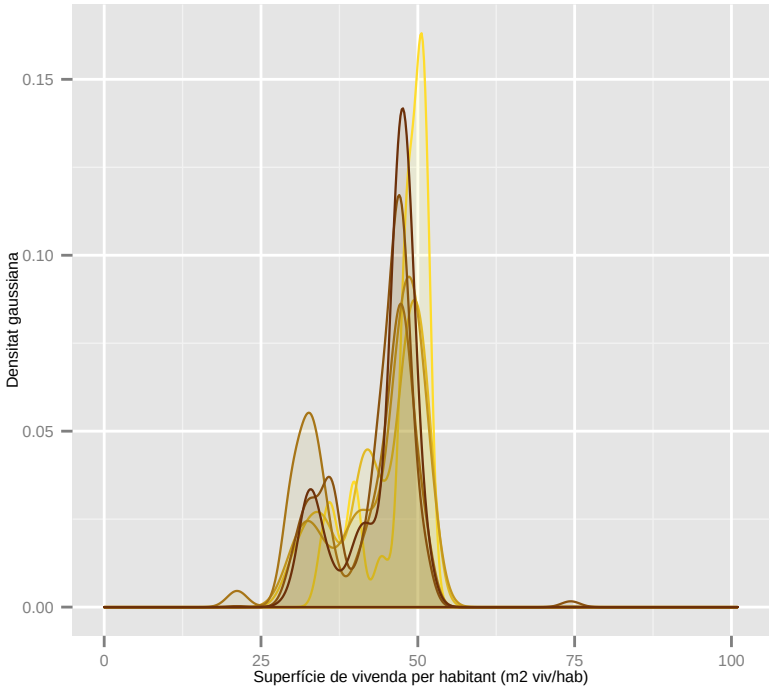
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

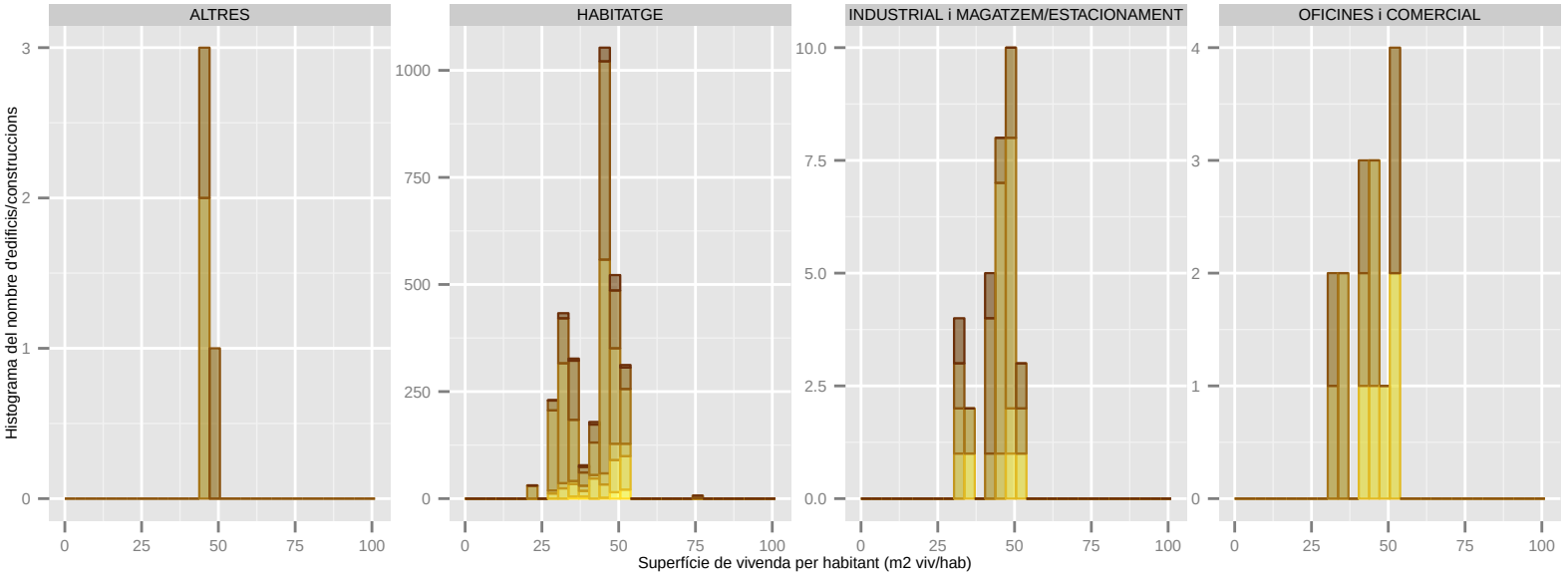
Superfície de vivenda per habitant (m2 viv/hab): MONTCADA I REIXAC





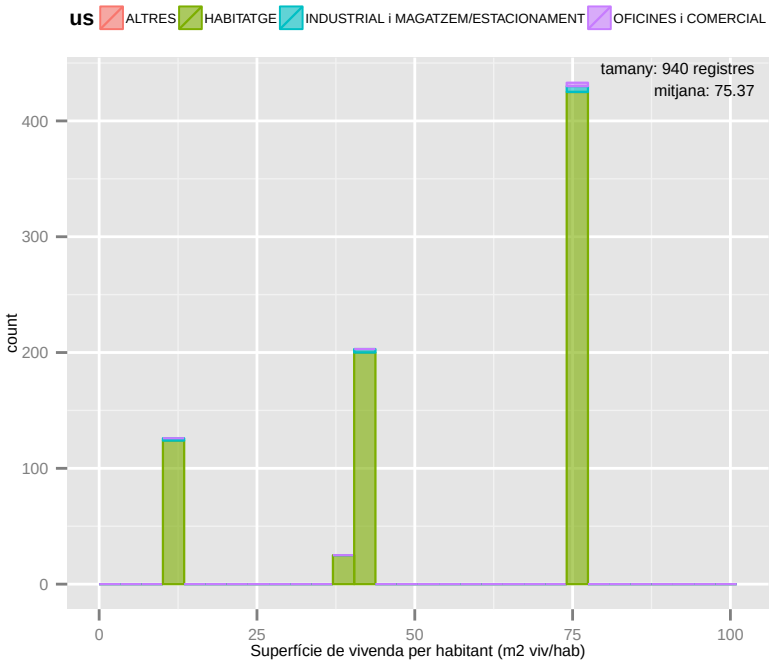


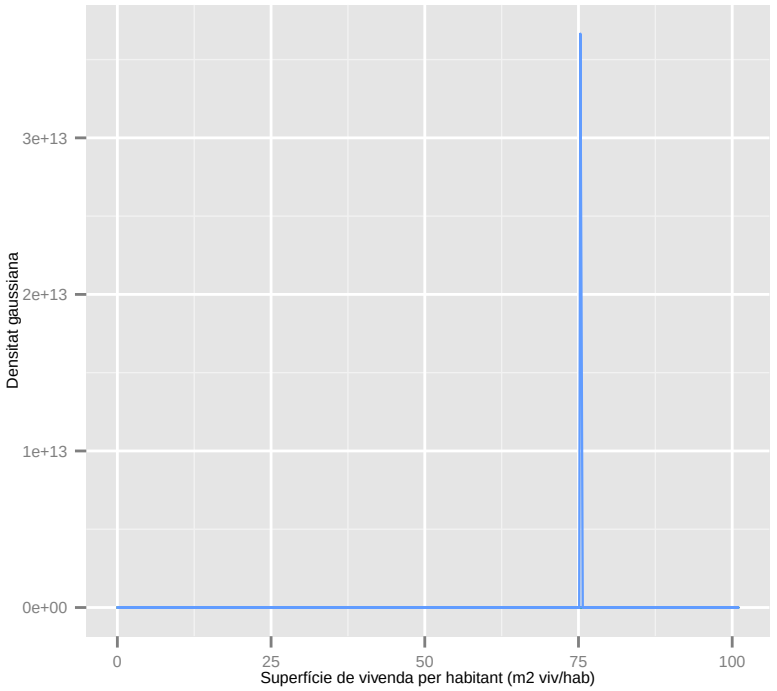


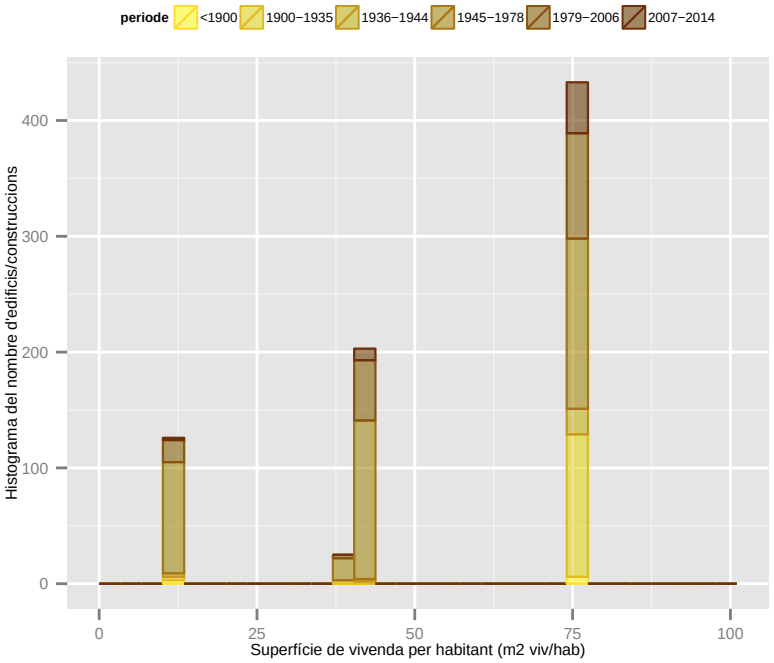


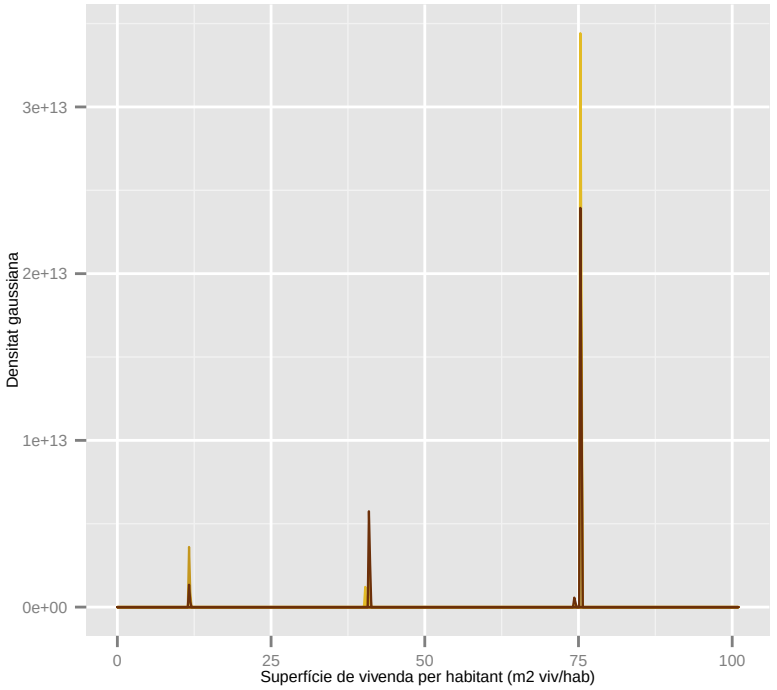
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

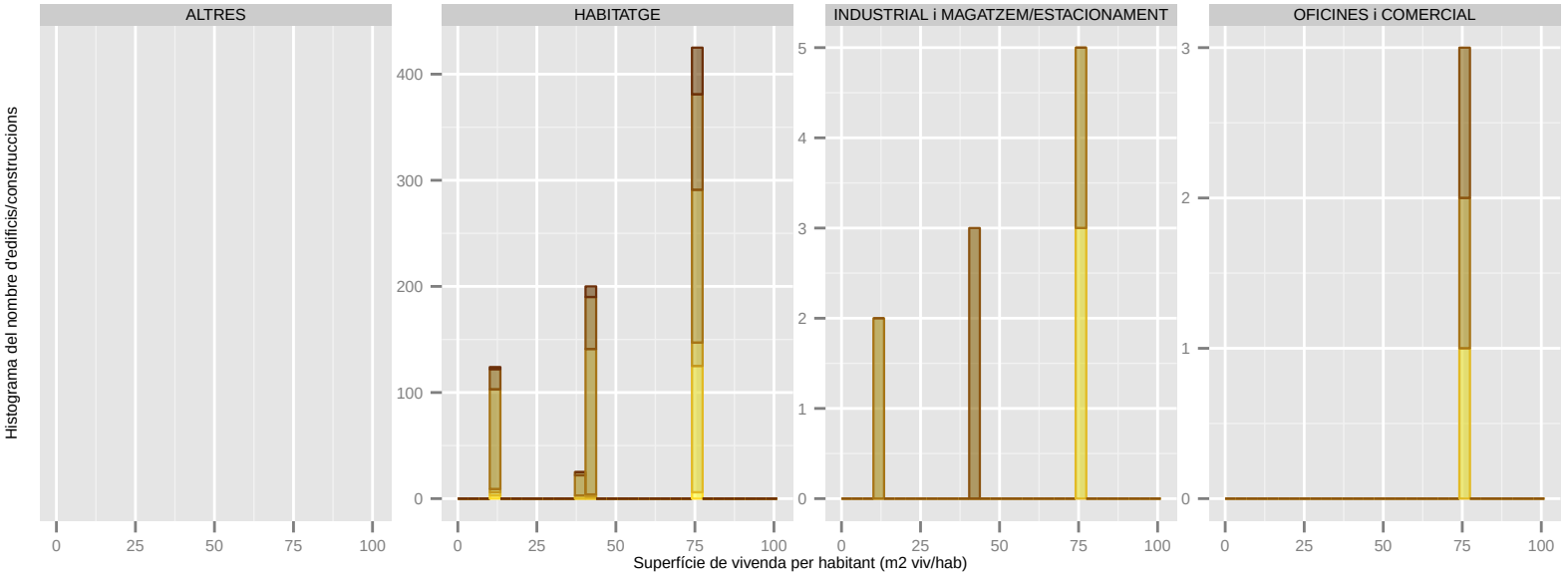
Superfície de vivenda per habitant (m2 viv/hab): MONTGAT





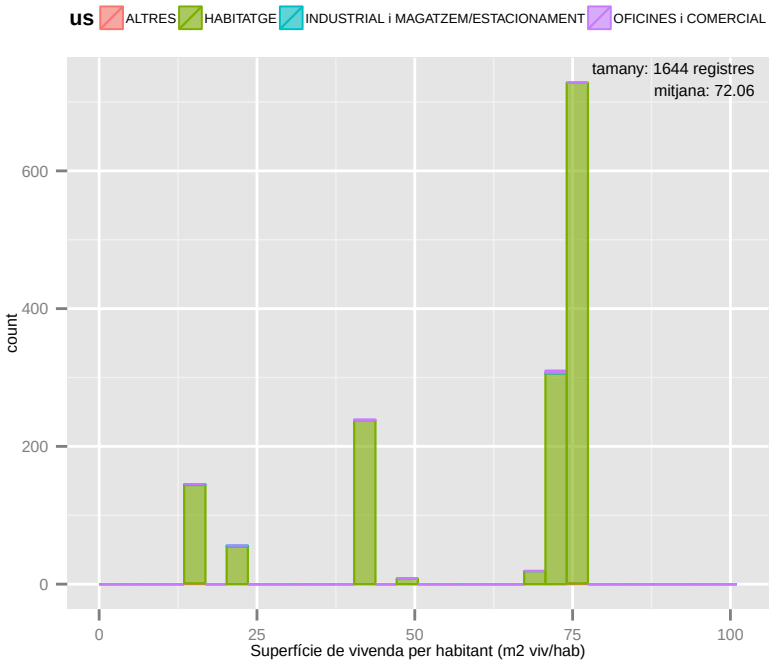


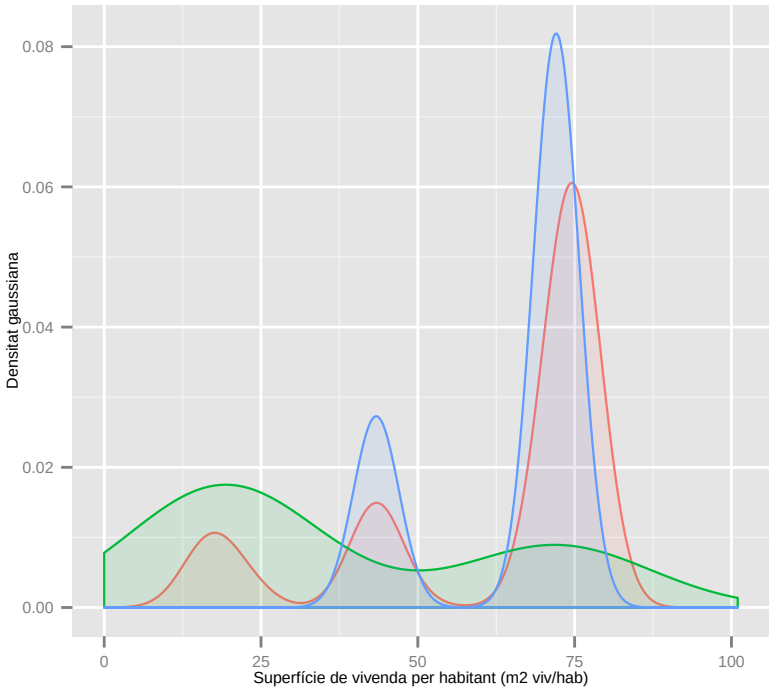


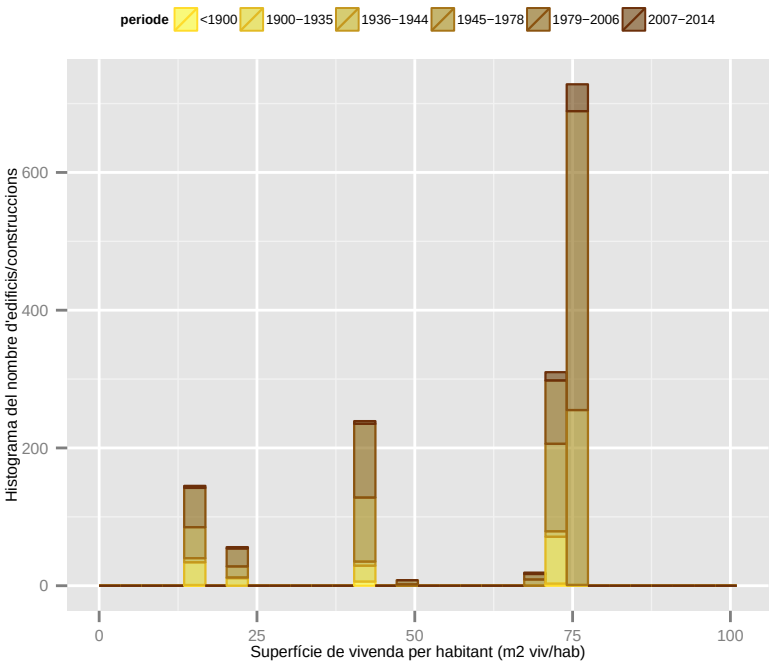


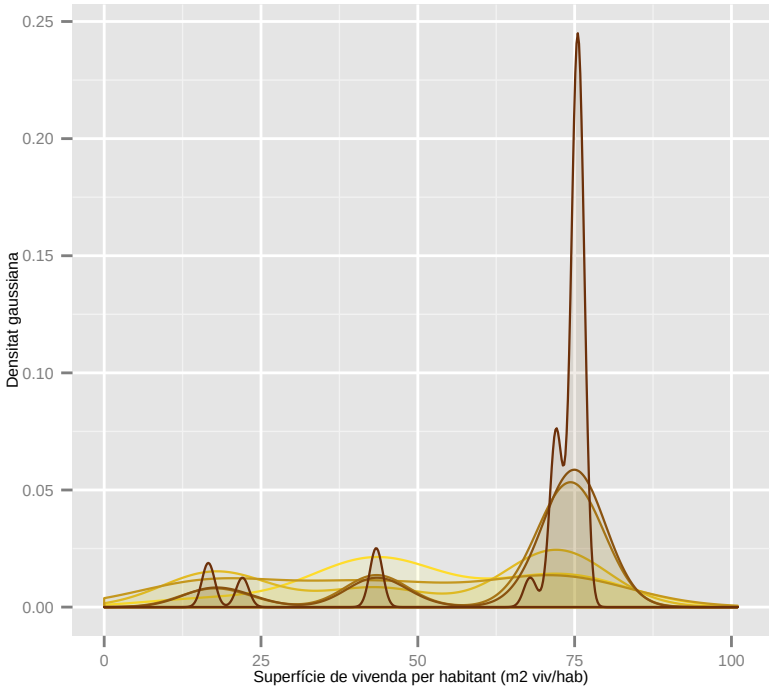
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

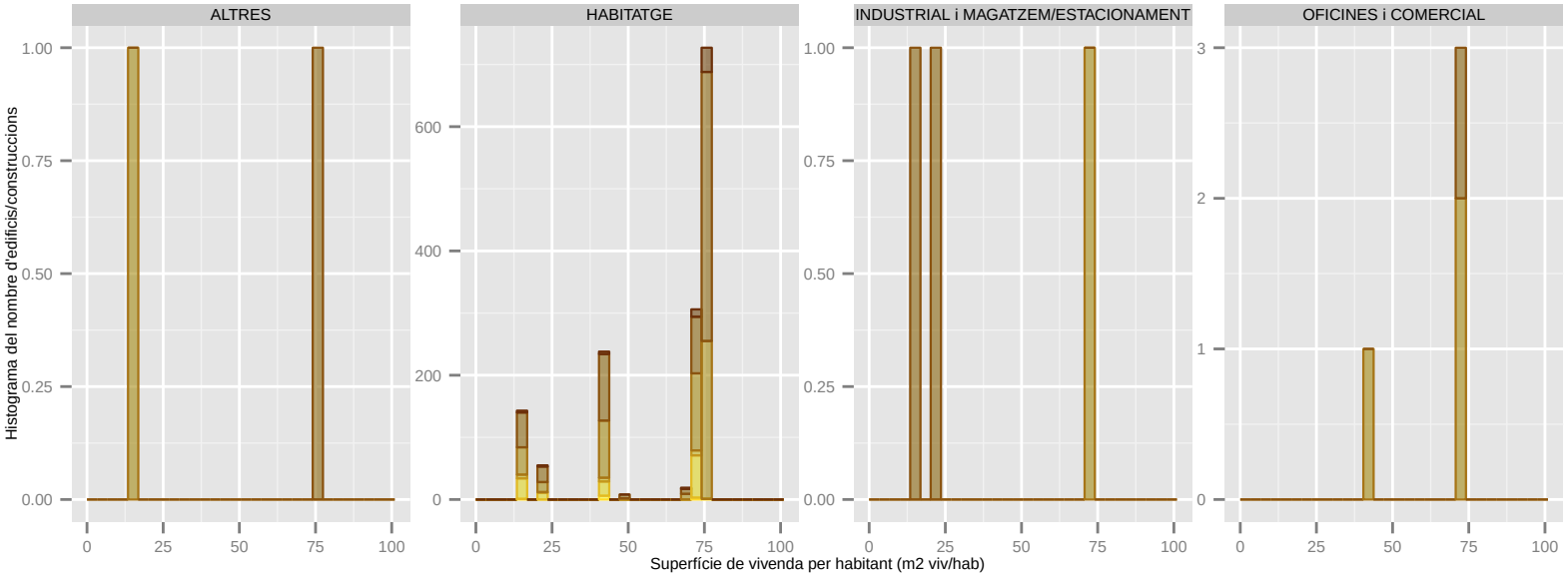
Superfície de vivenda per habitant (m2 viv/hab): PALLEJA





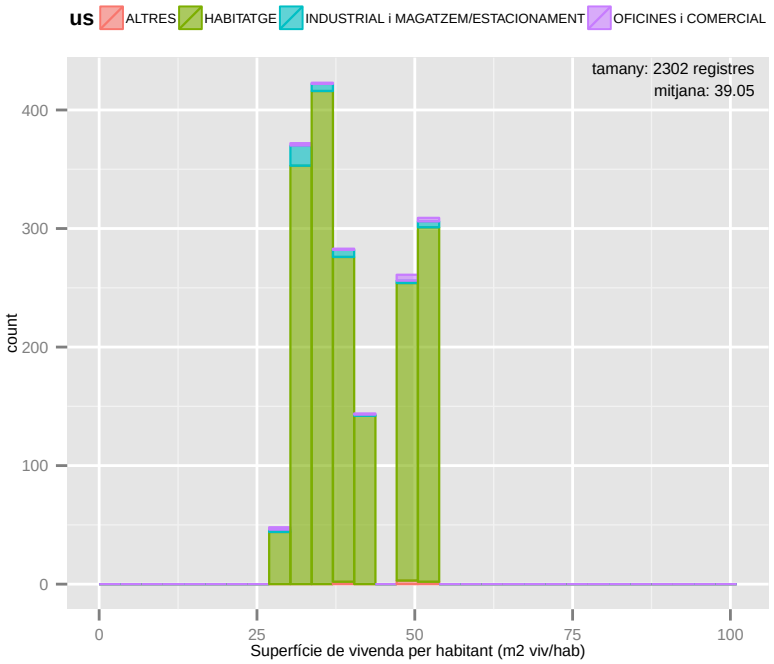


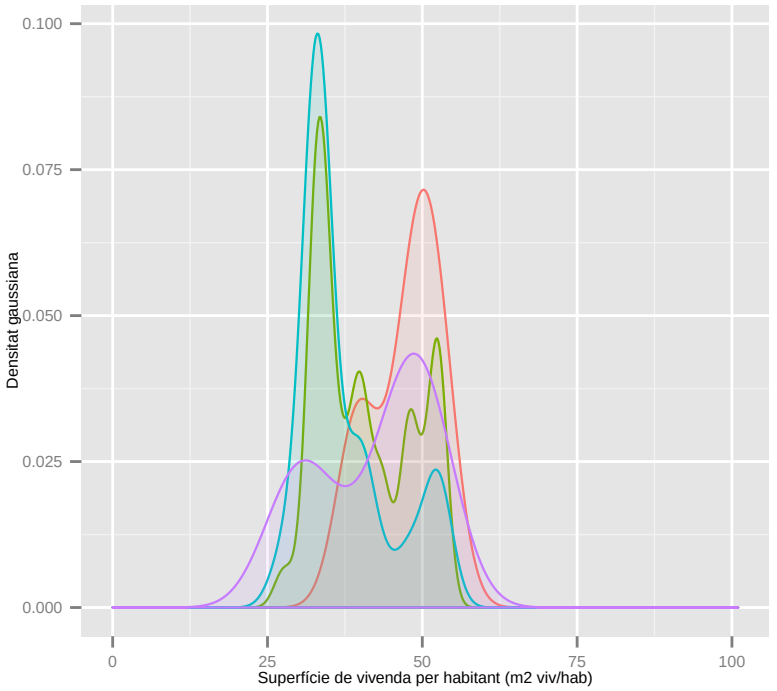


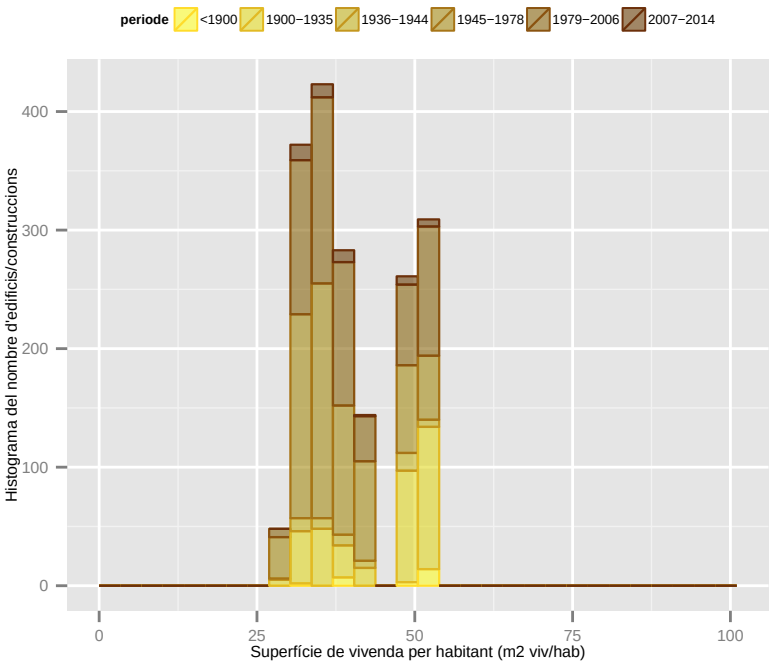


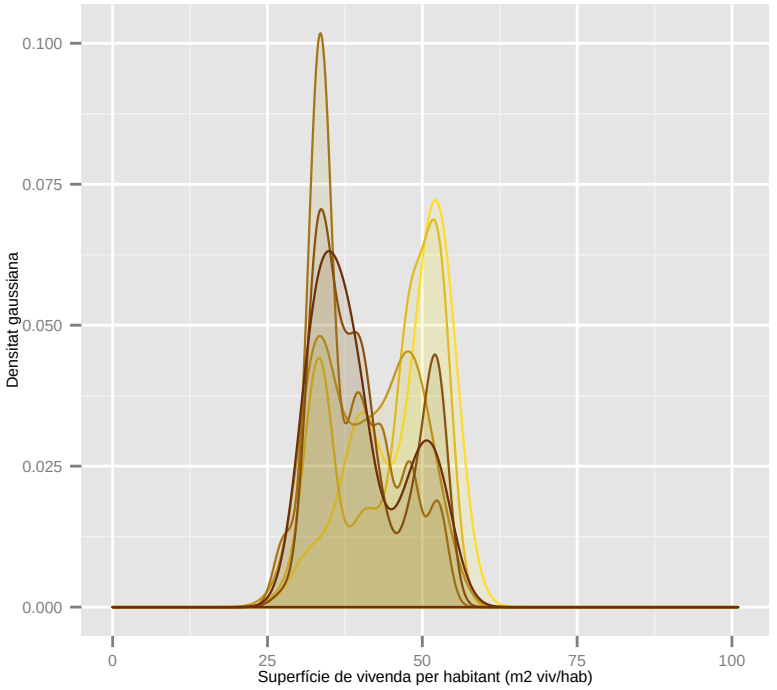
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

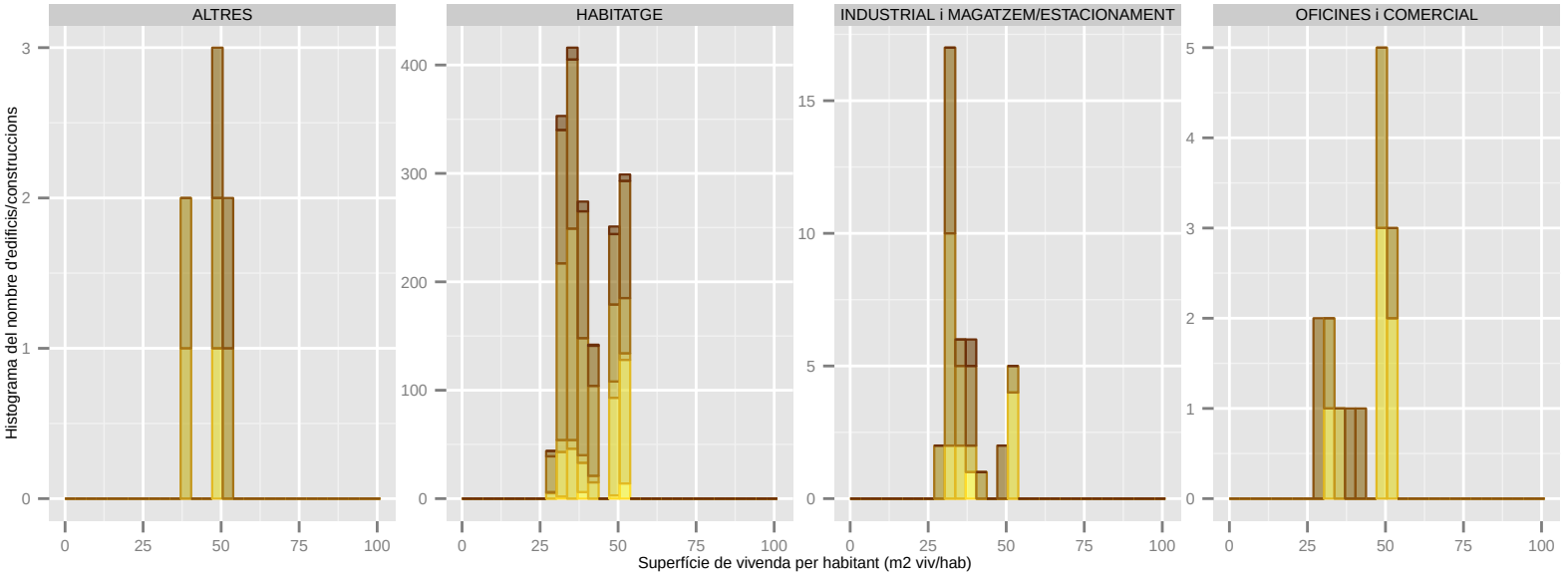
Superfície de vivenda per habitant (m2 viv/hab): RIPOLLET





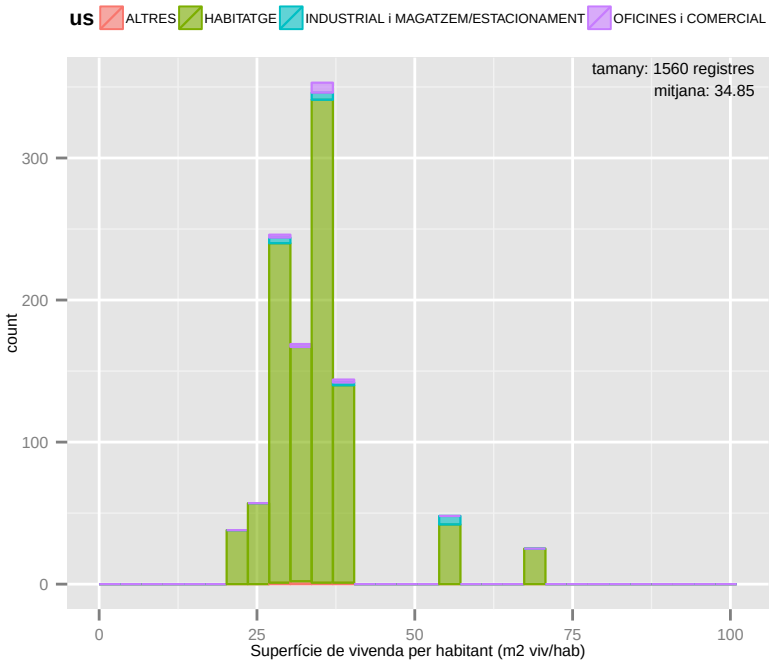


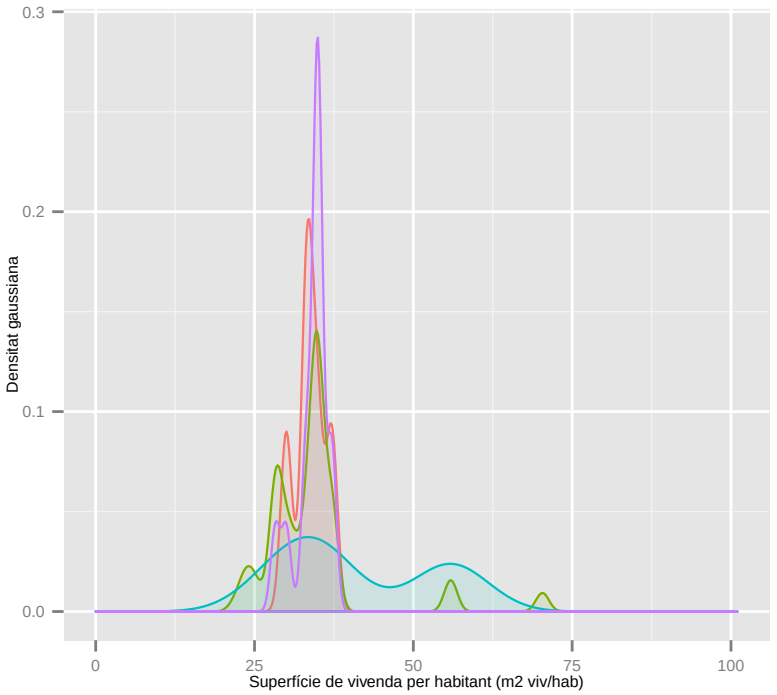


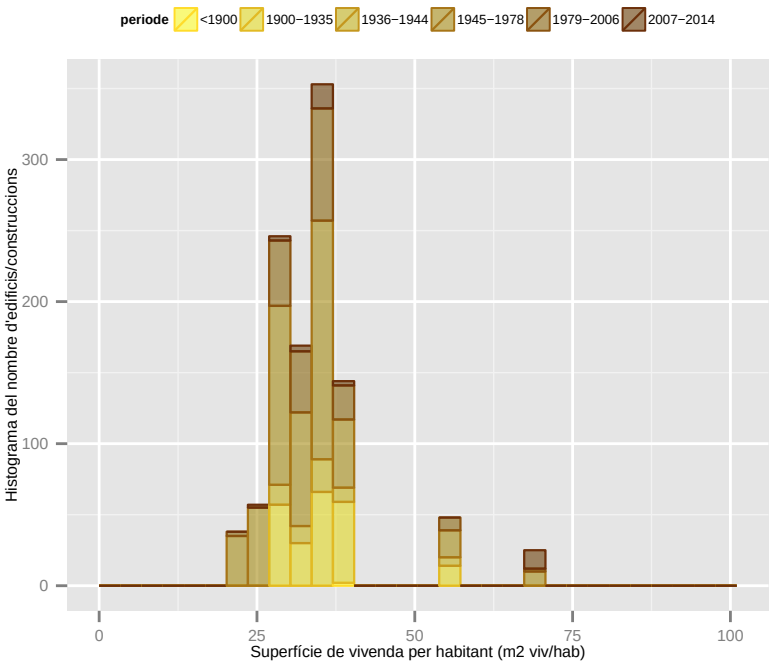


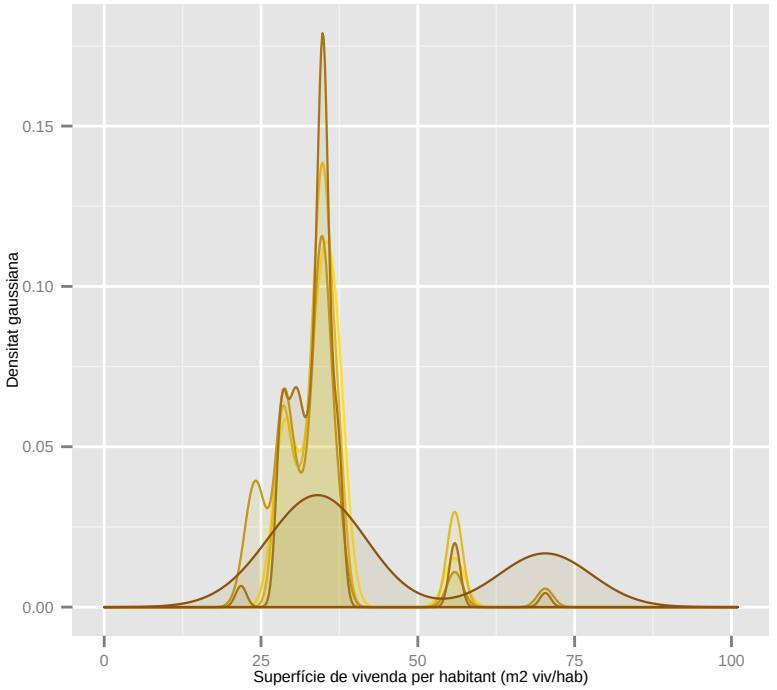
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

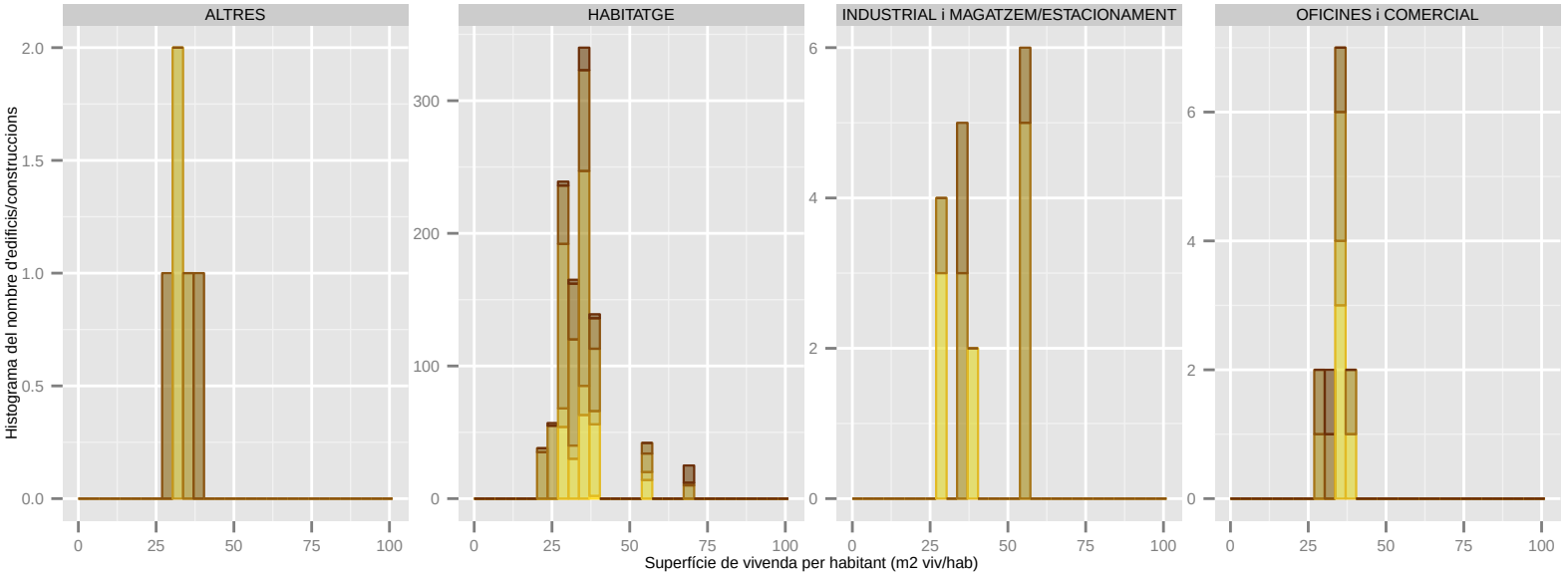
Superfície de vivenda per habitant (m2 viv/hab): SANT ADRIA DE BESOS





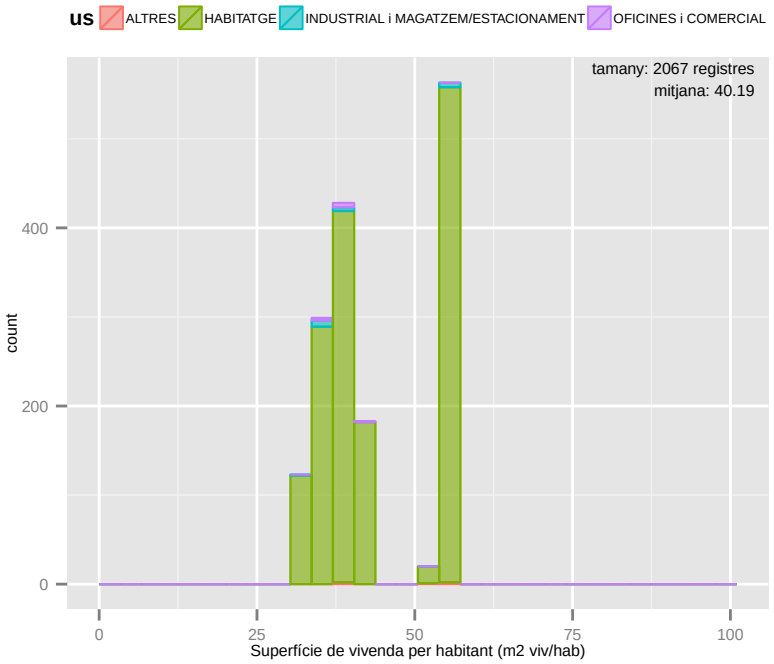


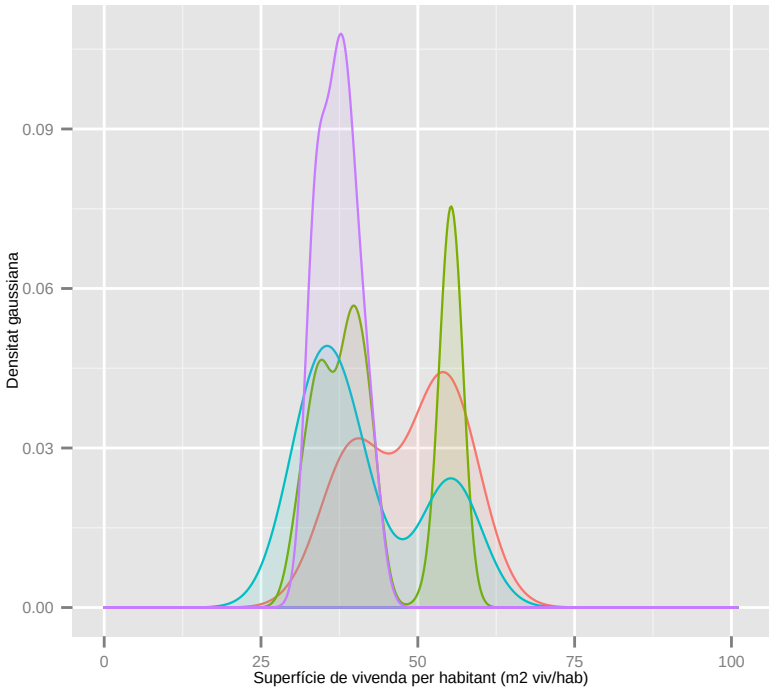


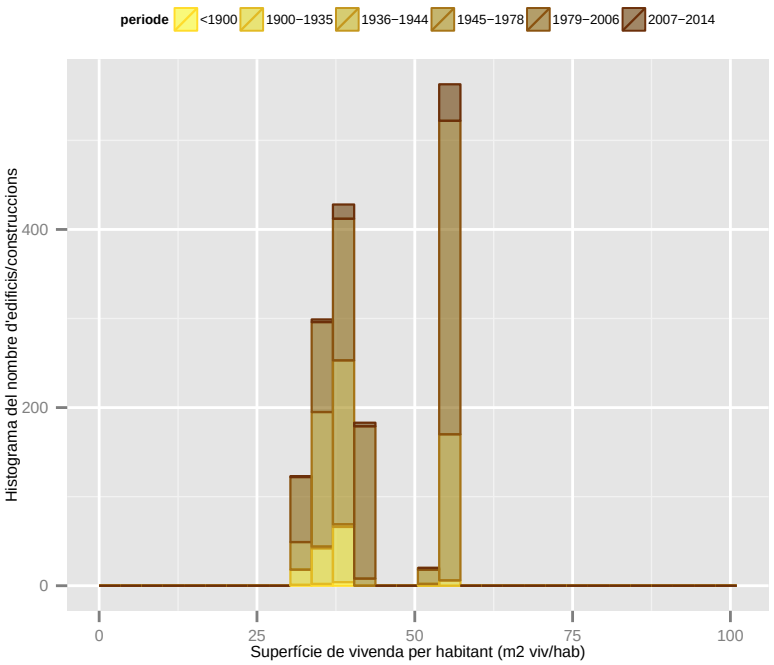


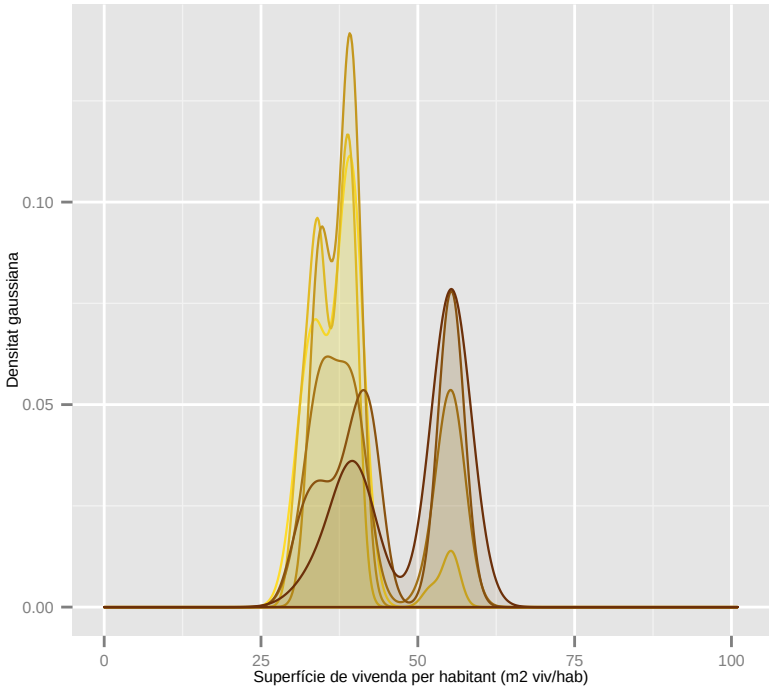
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

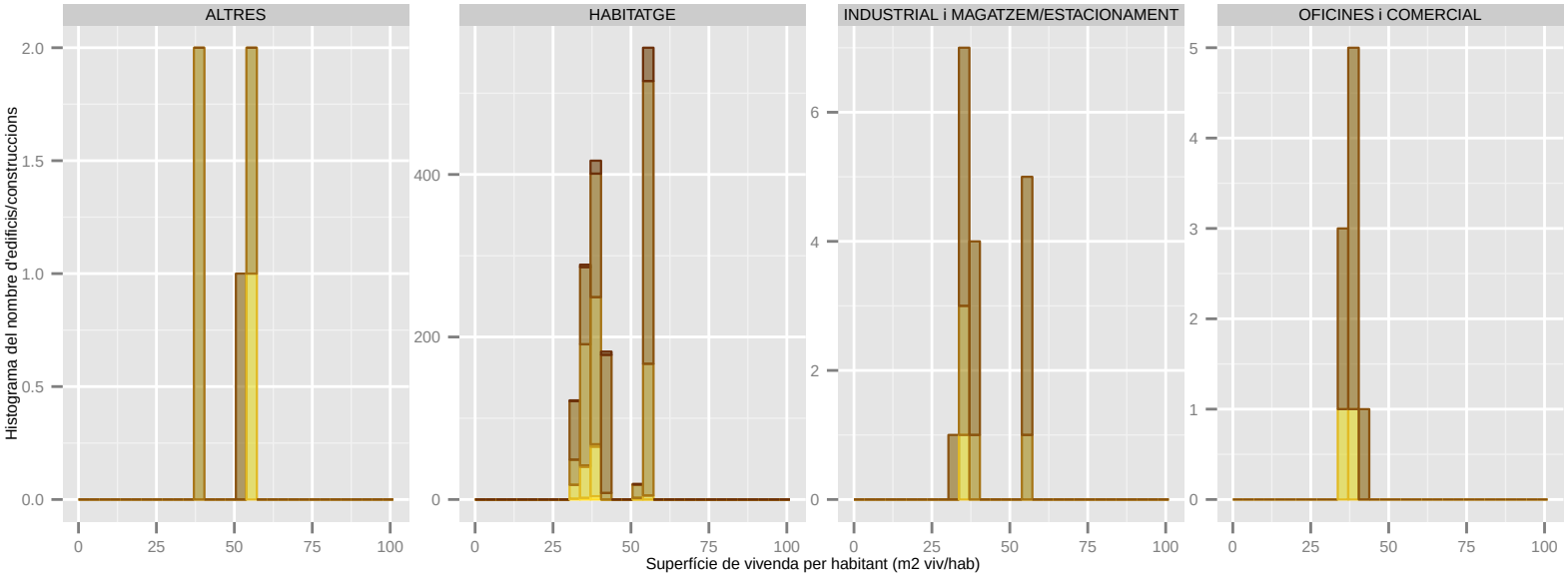
Superfície de vivenda per habitant (m2 viv/hab): SANT ANDREU DE LA BARCA





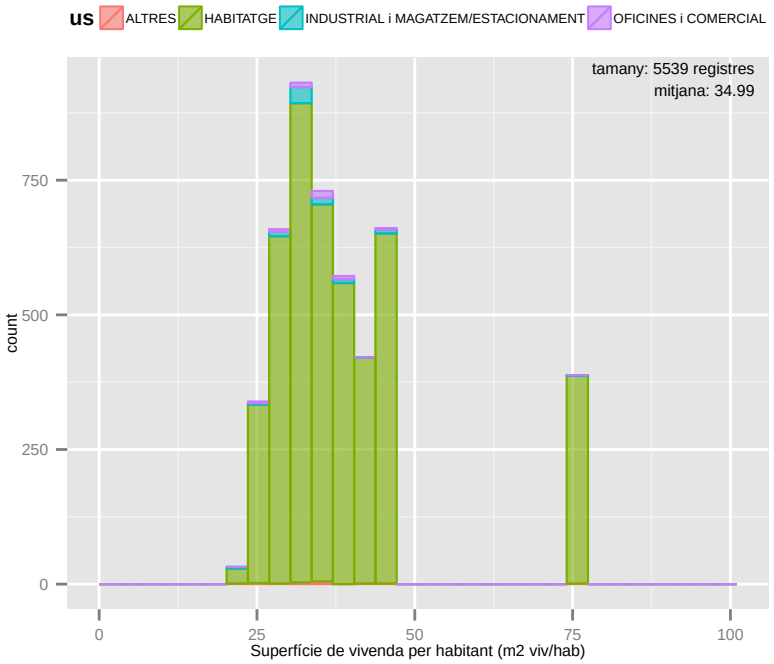


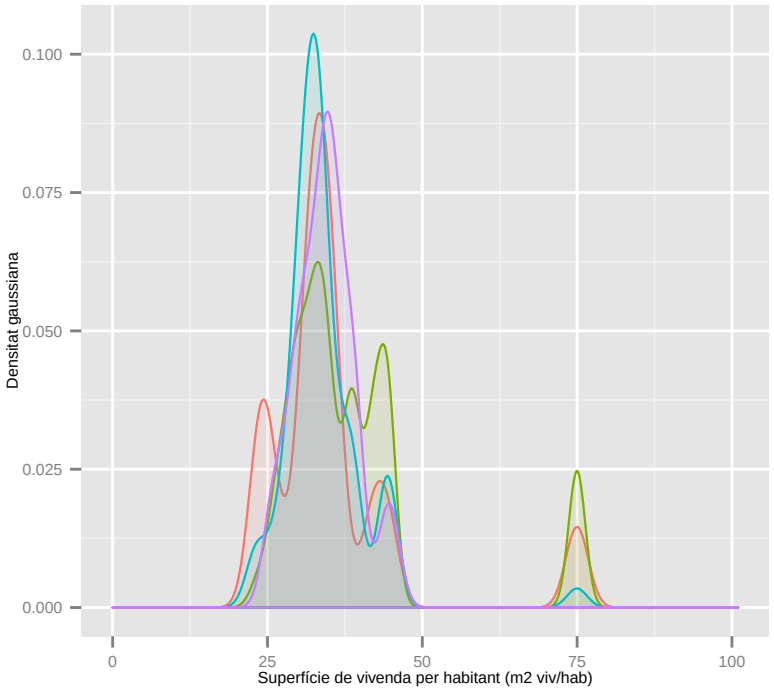


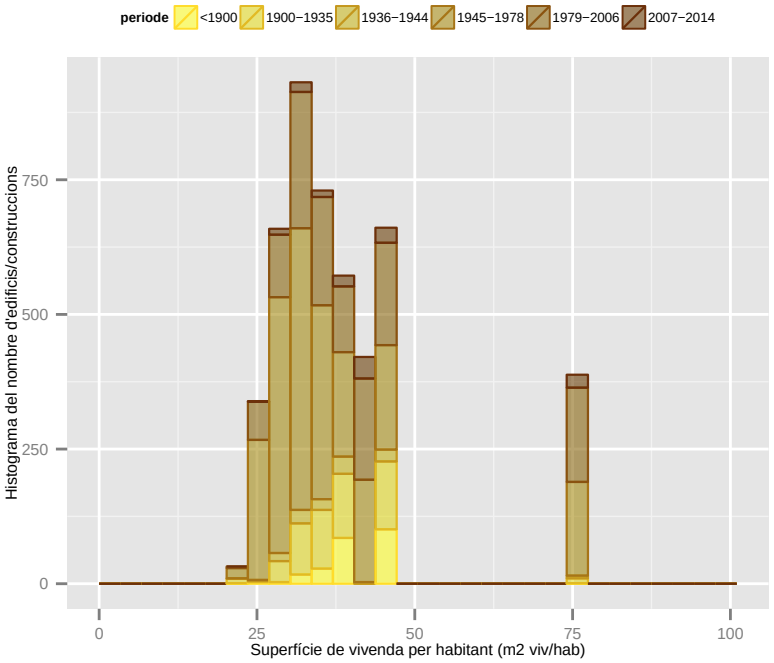


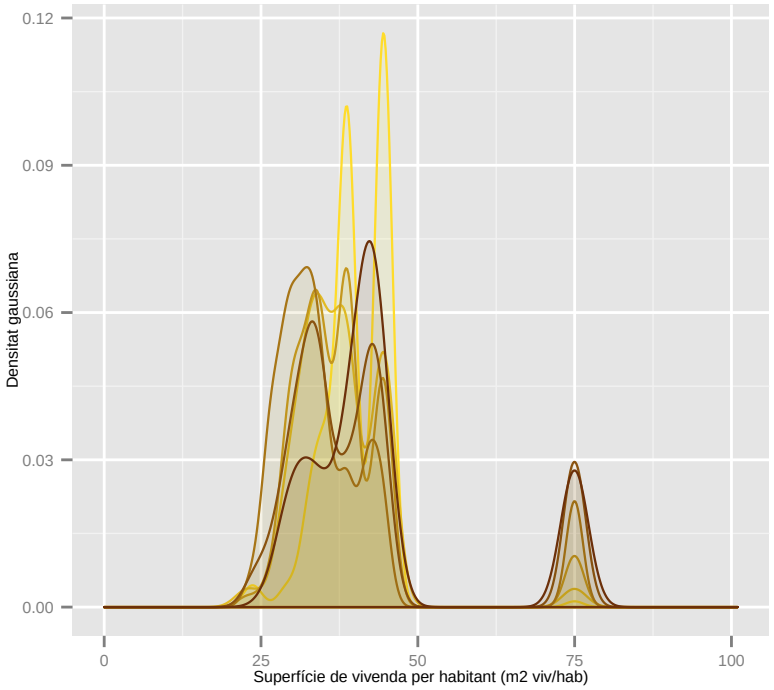
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

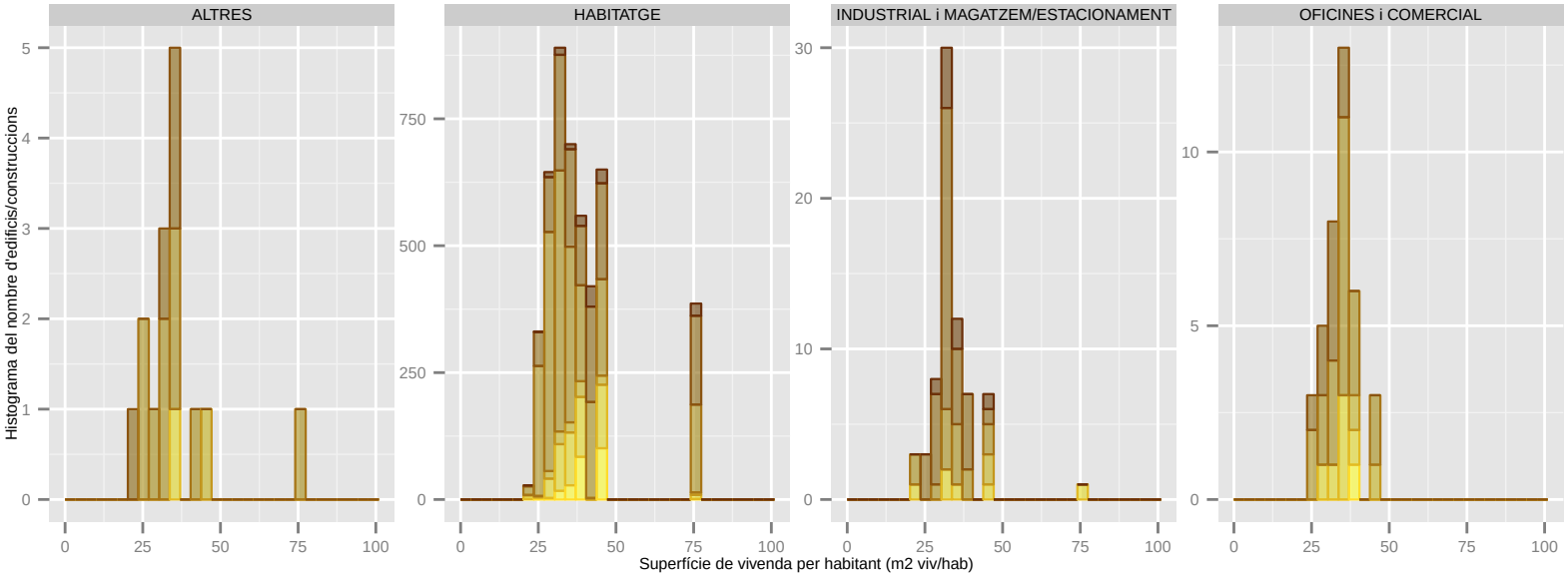
Superfície de vivenda per habitant (m2 viv/hab): SANT BOI DE LLOBREGAT





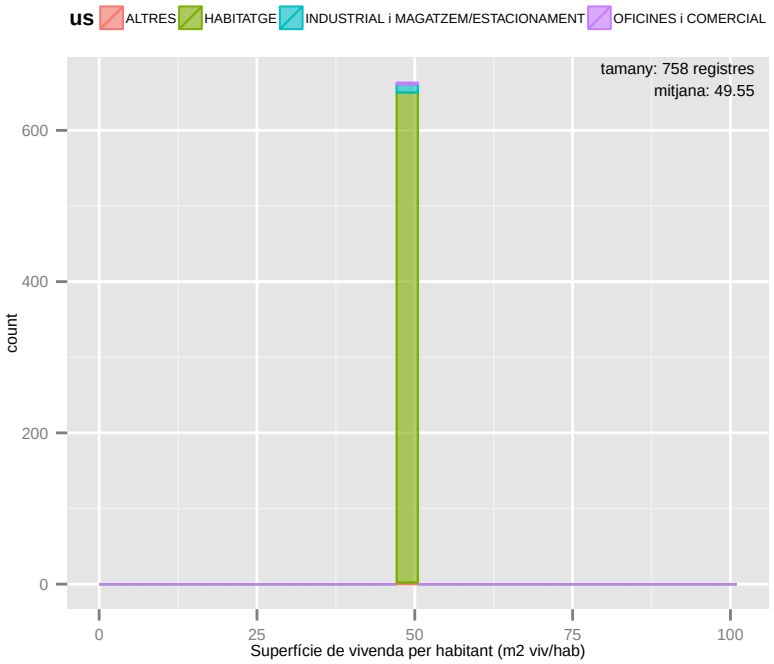


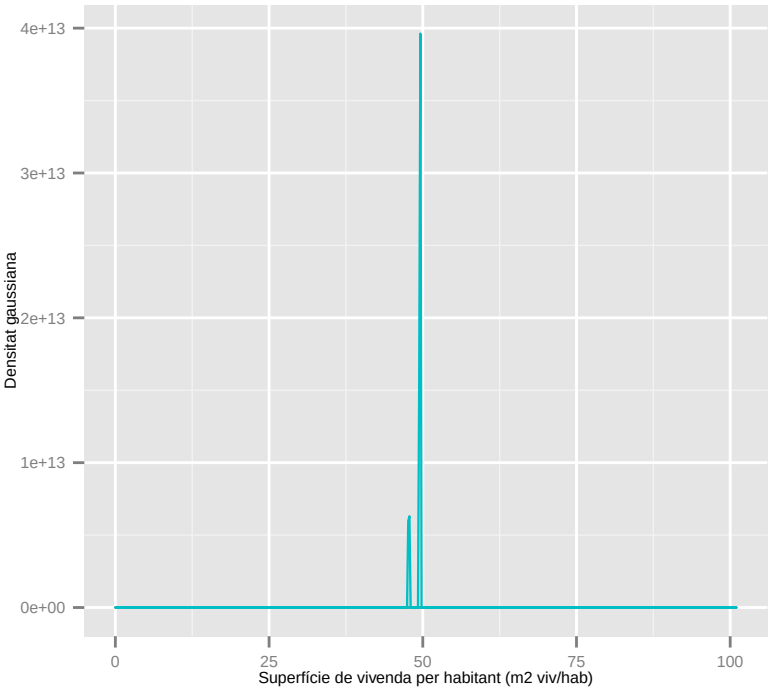


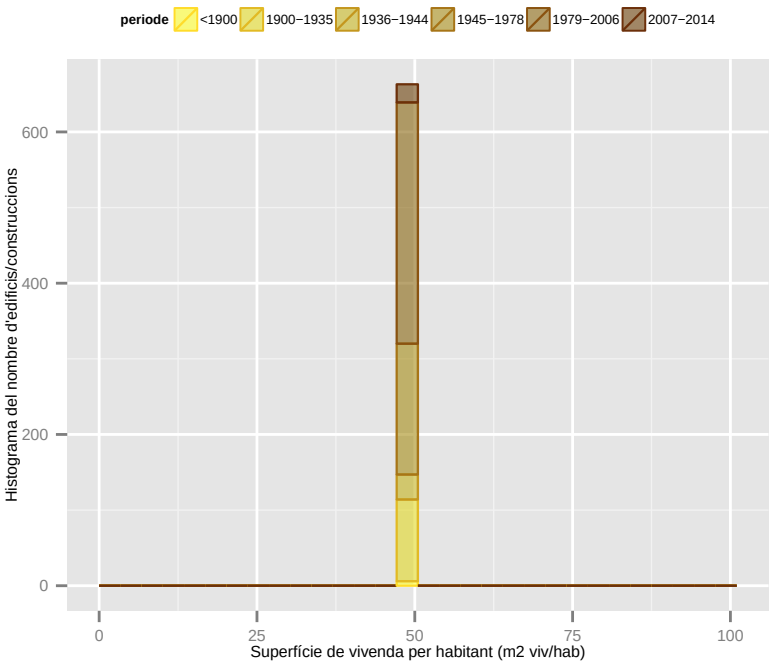


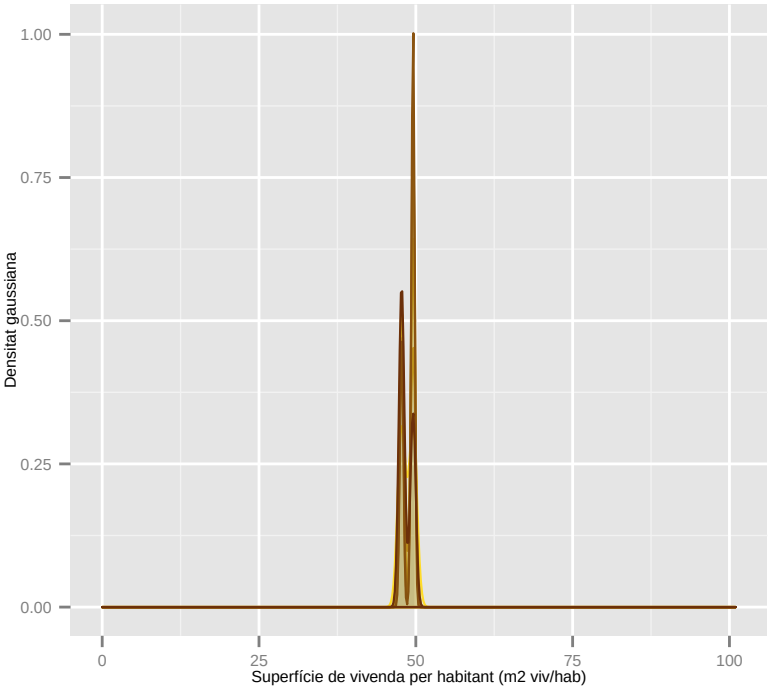
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

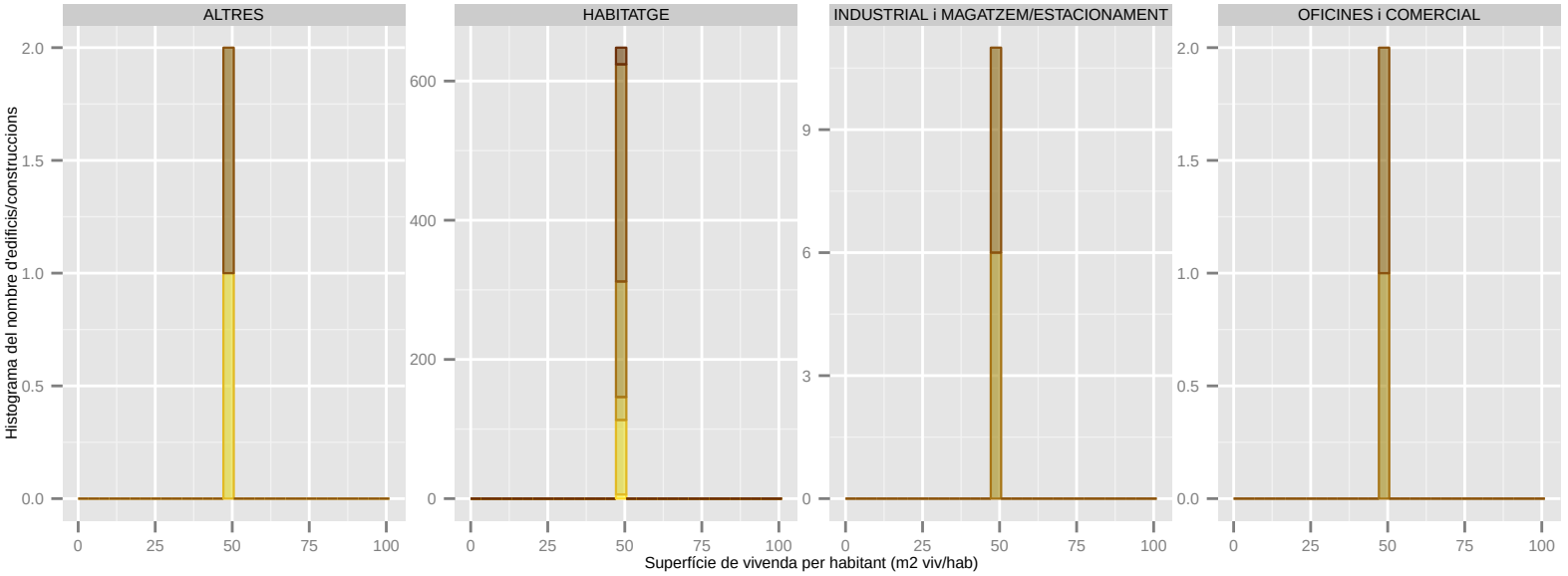
Superfície de vivenda per habitant (m2 viv/hab): SANT CLIMENT DE LLOBREGAT











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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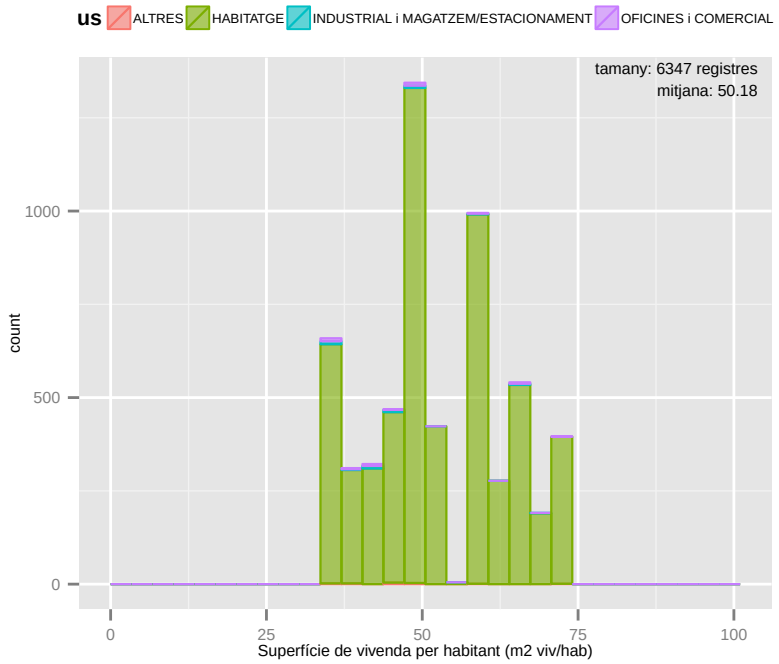
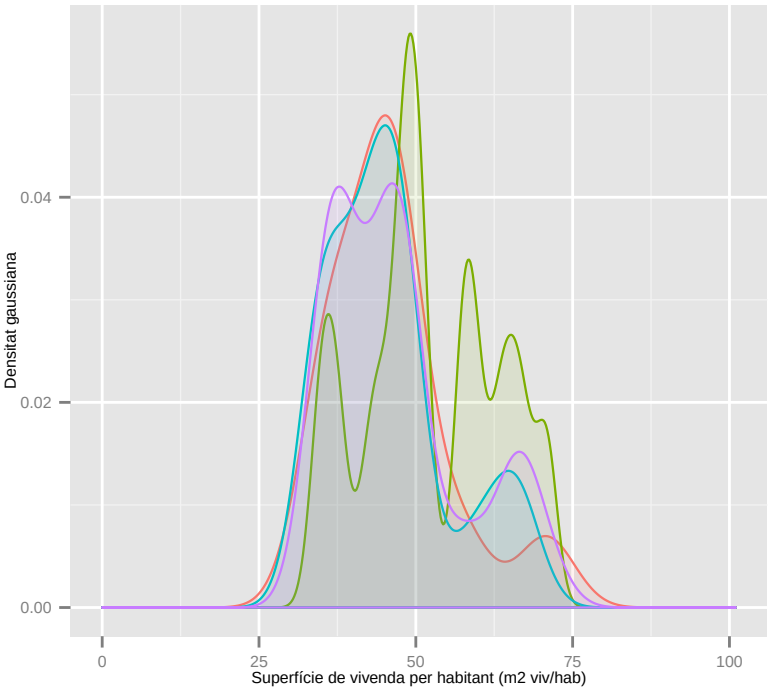
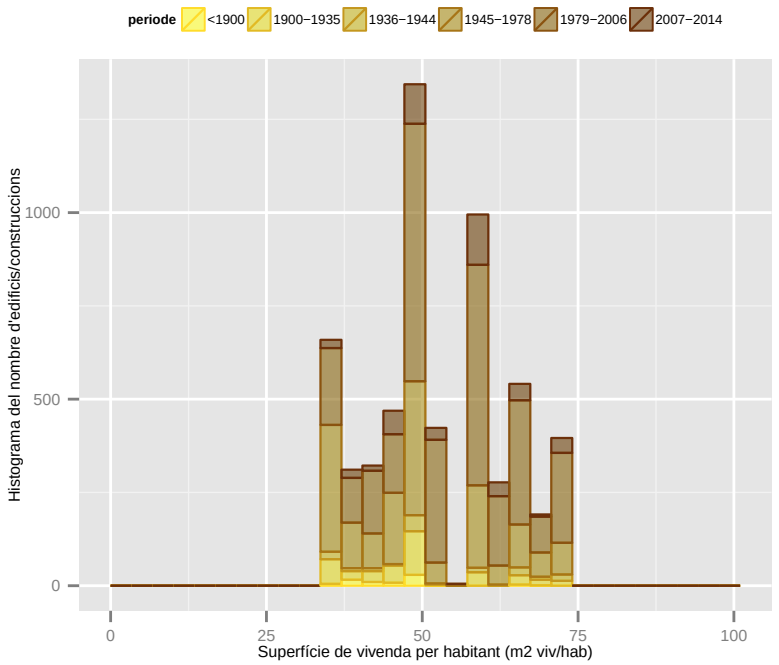
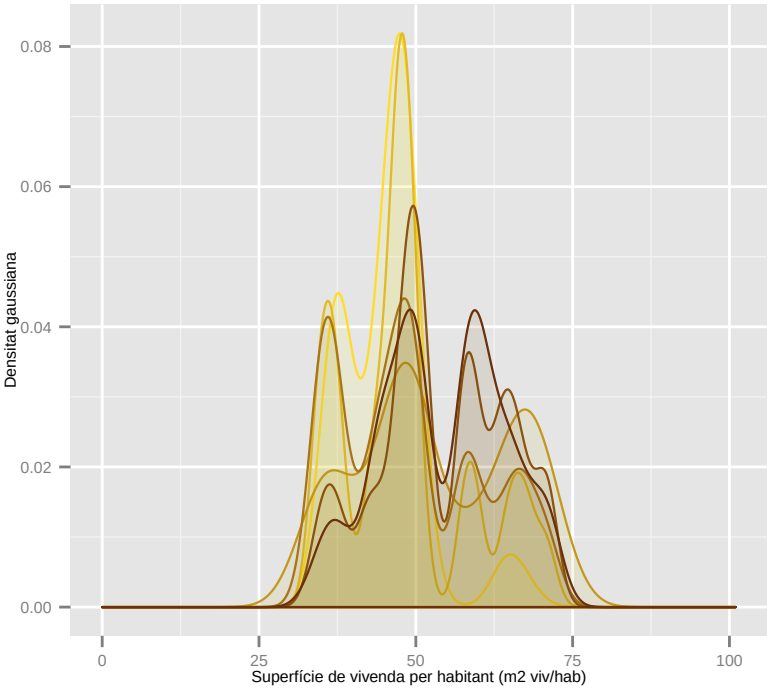
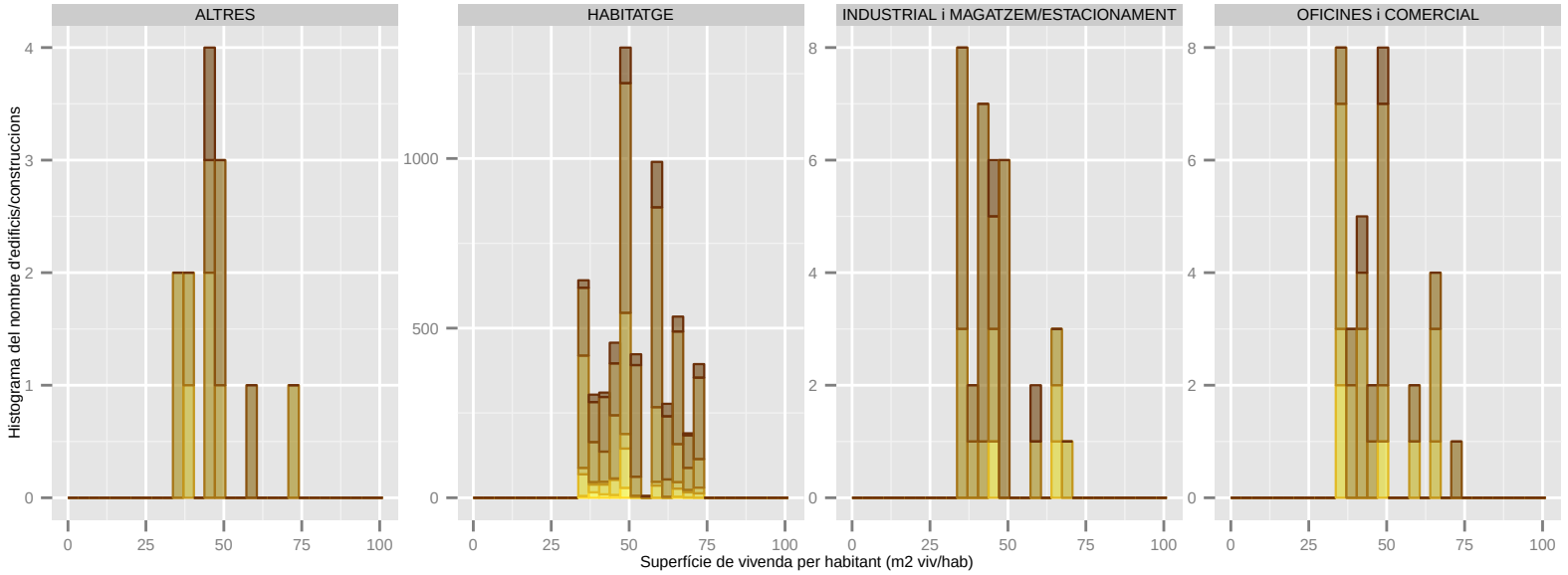
Superfície de vivenda per habitant (m2 viv/hab): SANT CUGAT DEL VALLES





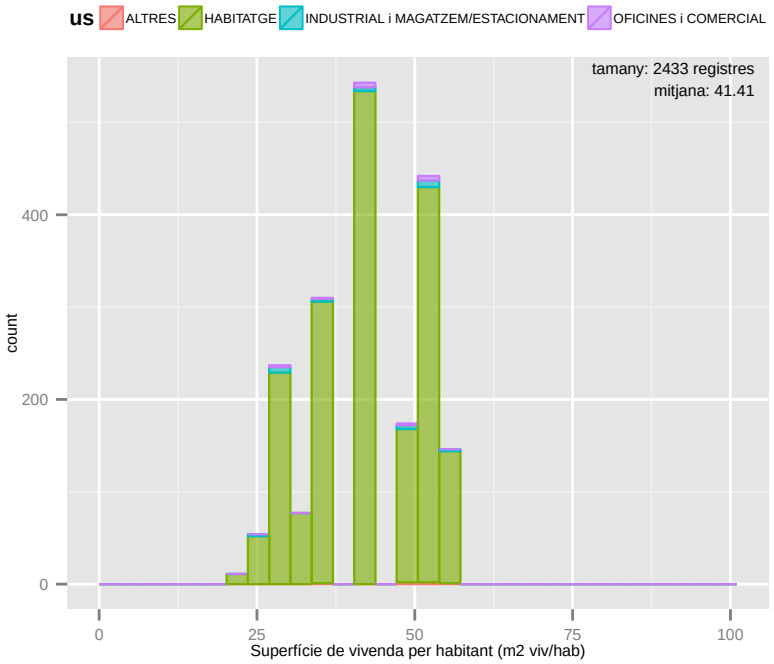


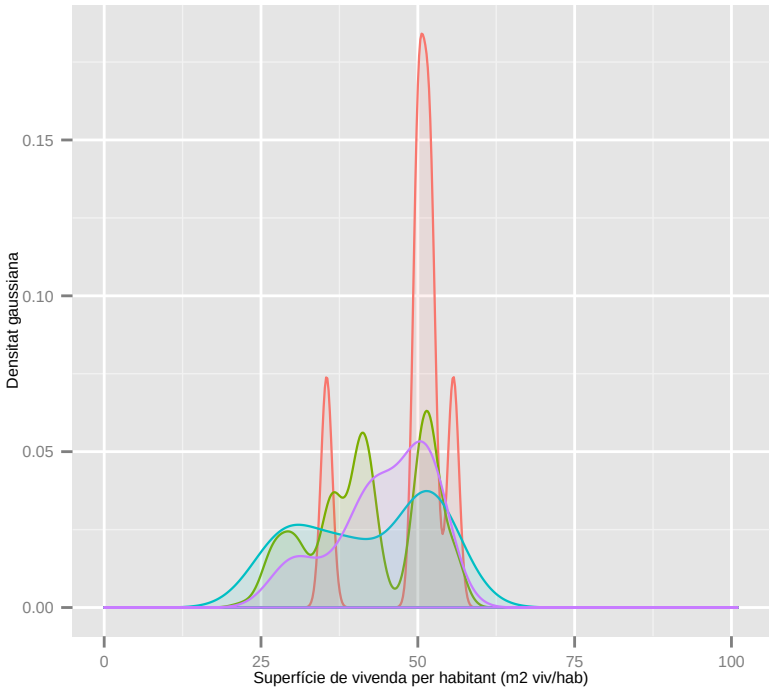


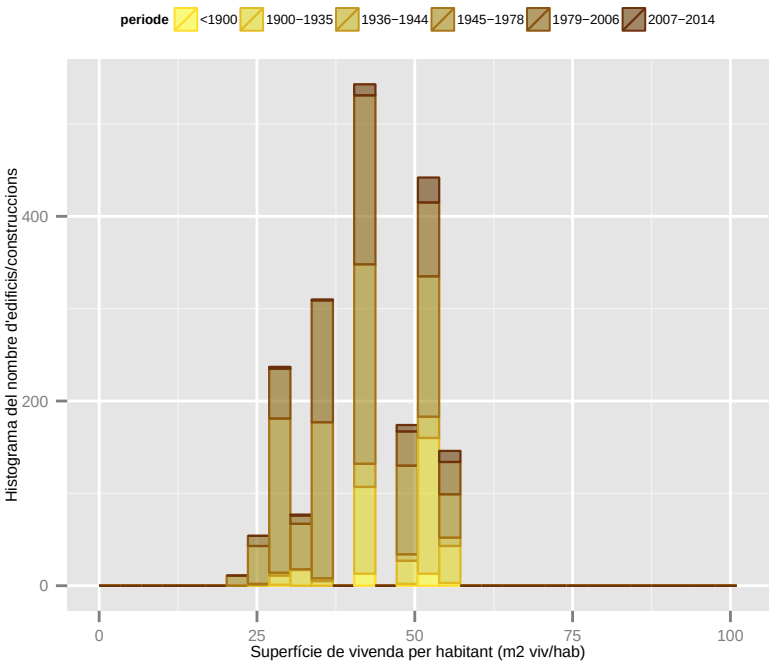


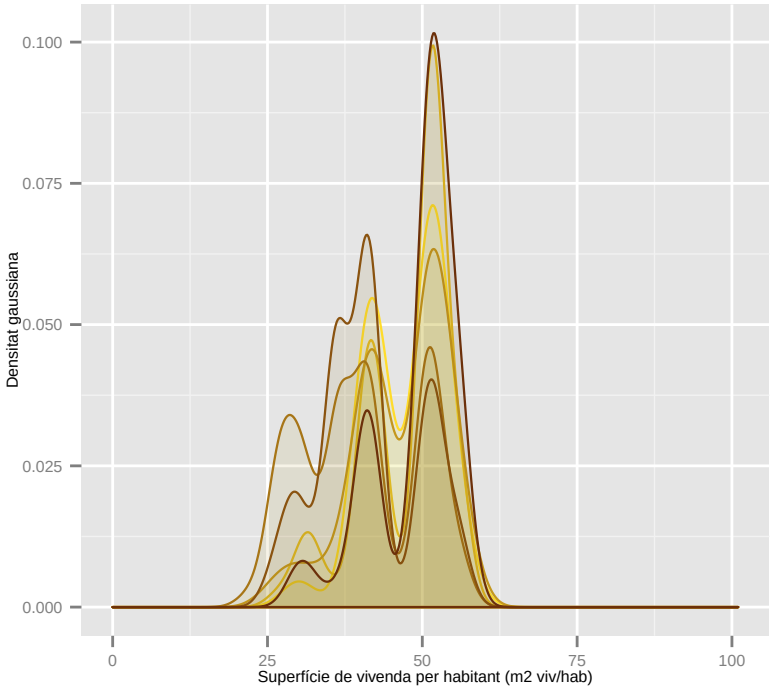
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

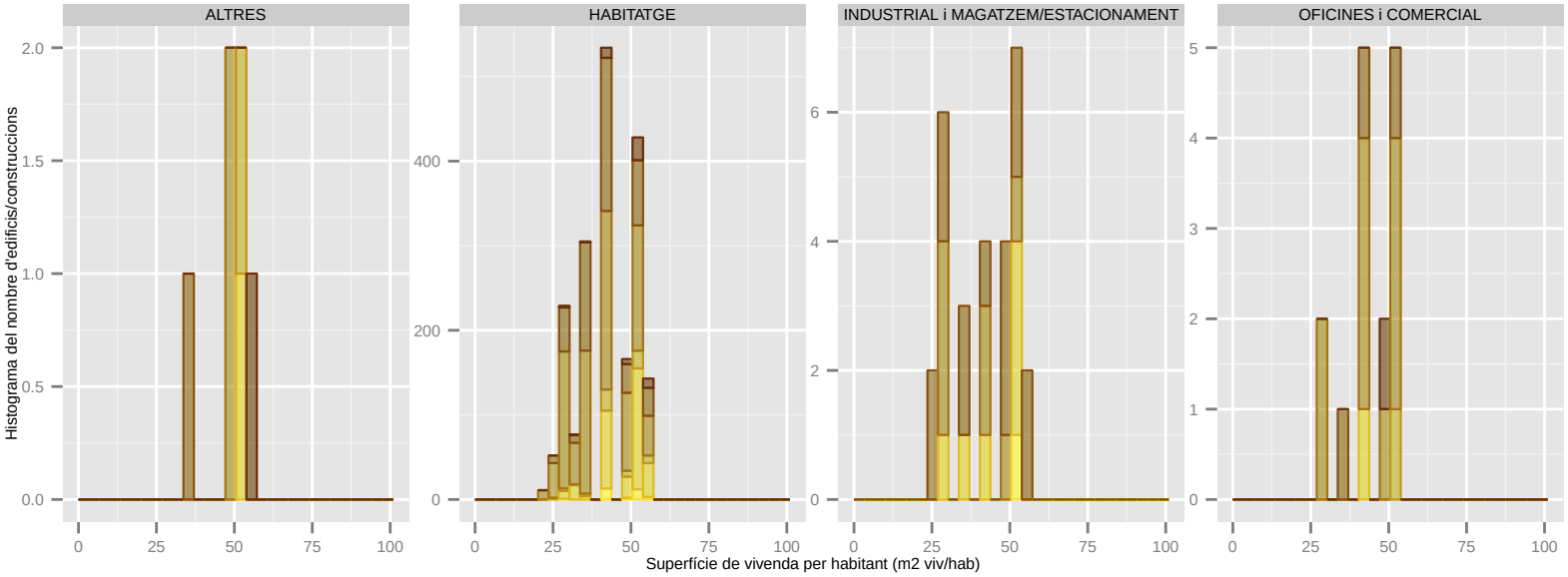
Superfície de vivenda per habitant (m2 viv/hab): SANT FELIU DE LLOBREGAT





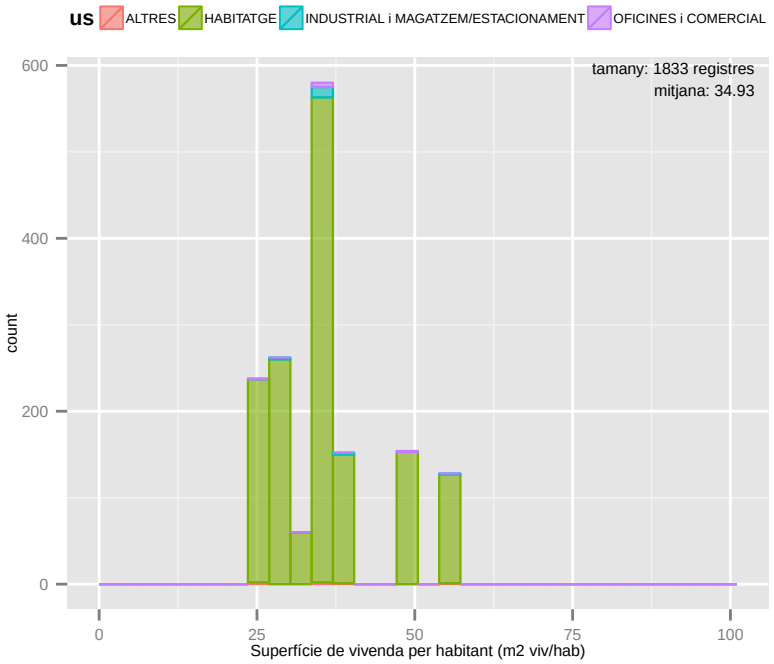


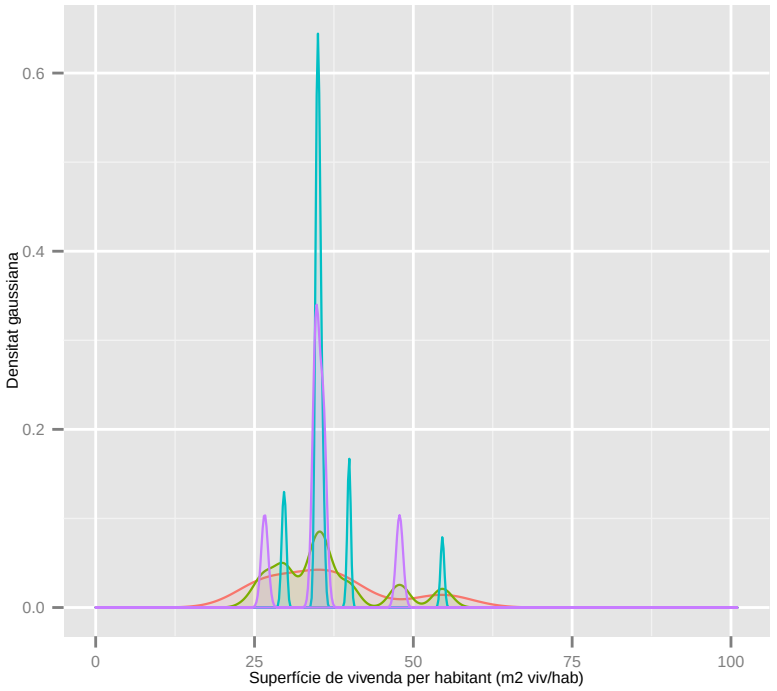


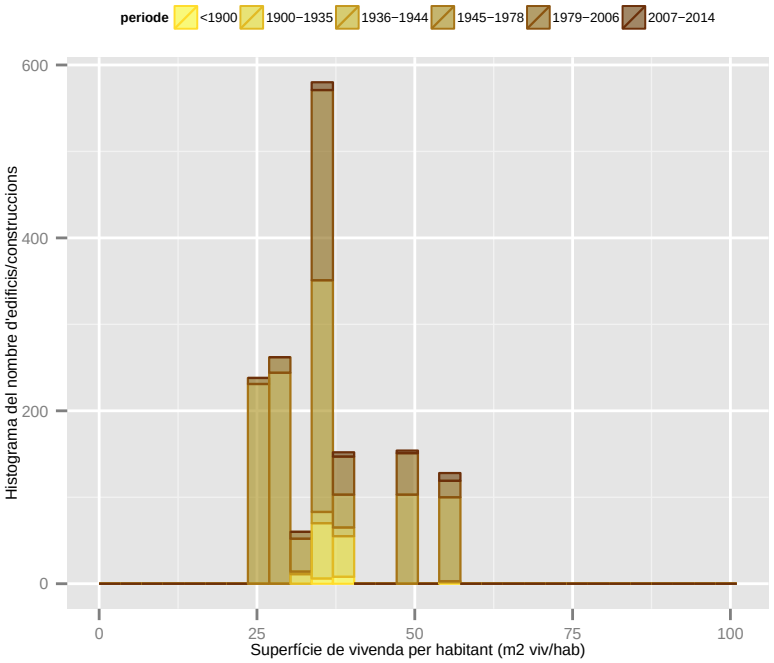


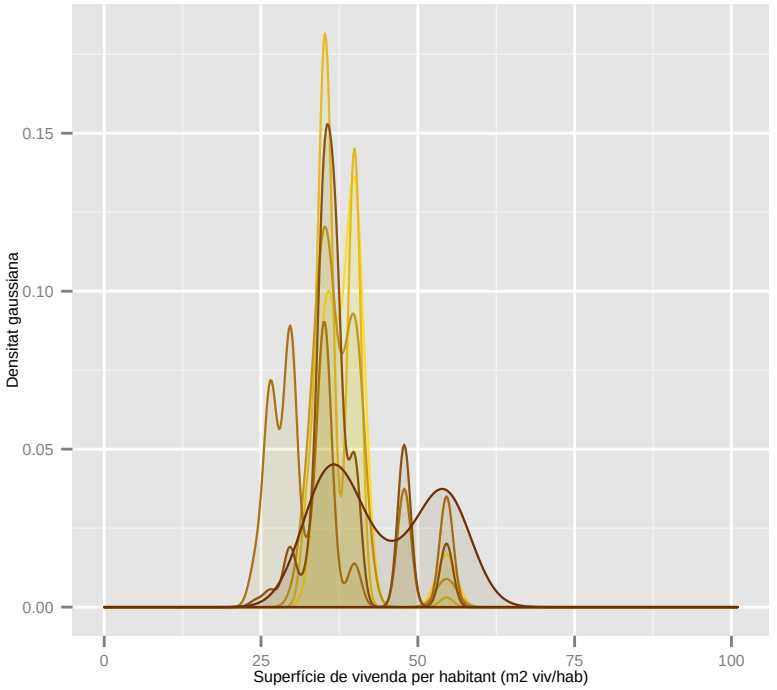
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

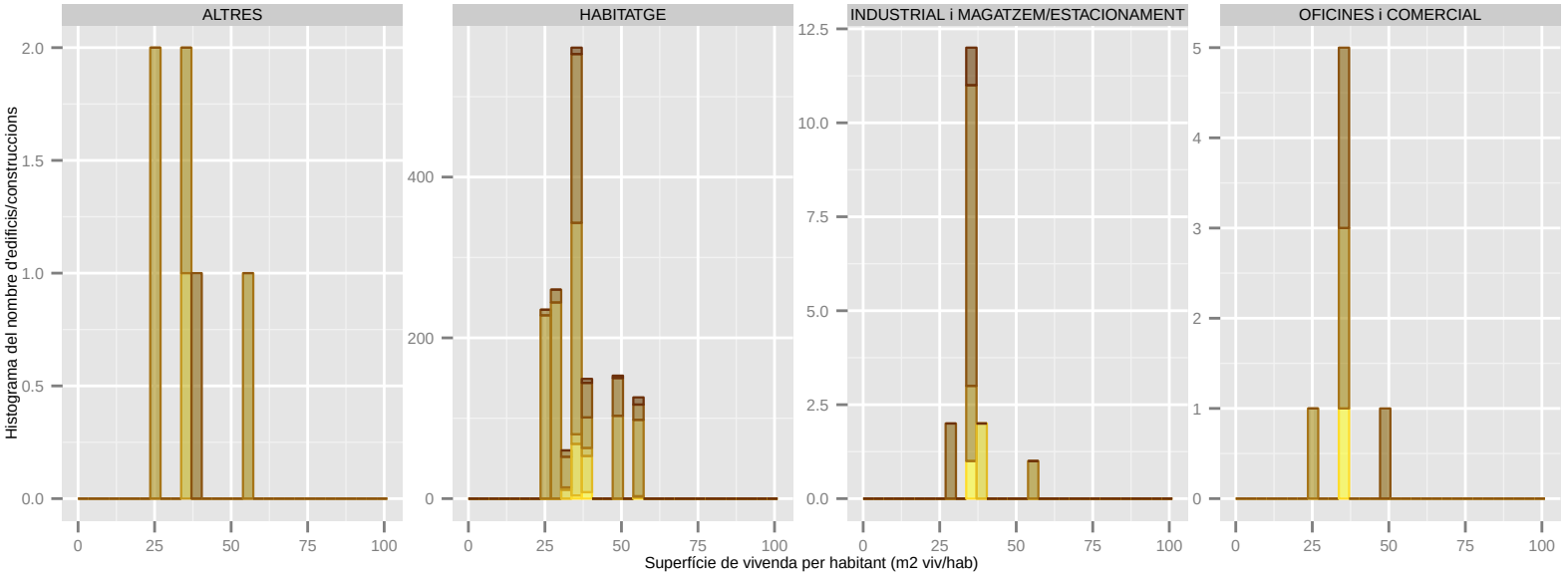
Superfície de vivenda per habitant (m2 viv/hab): SANT JOAN DESPI





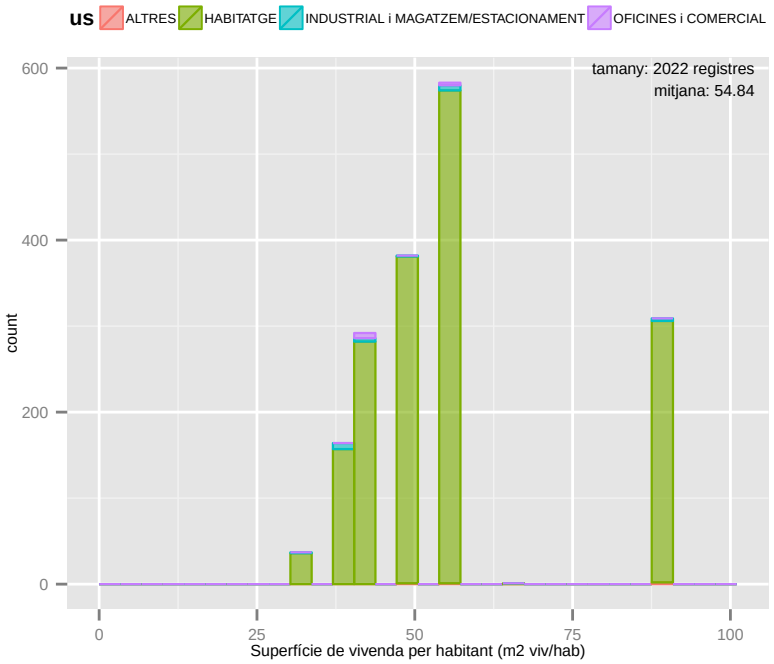


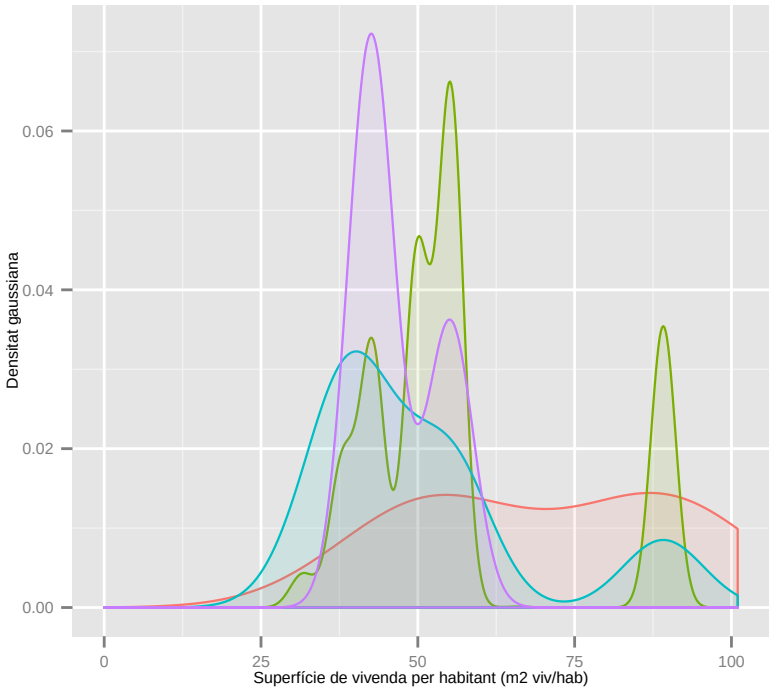


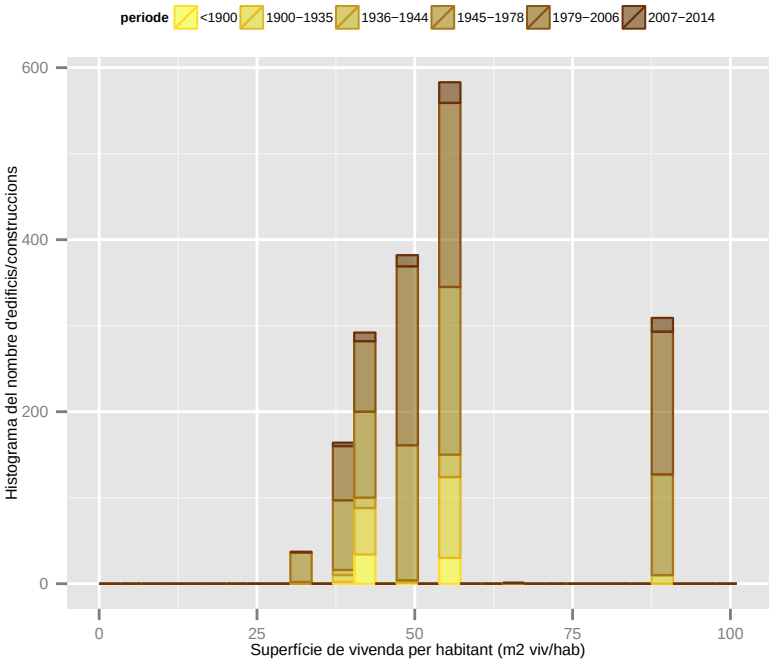


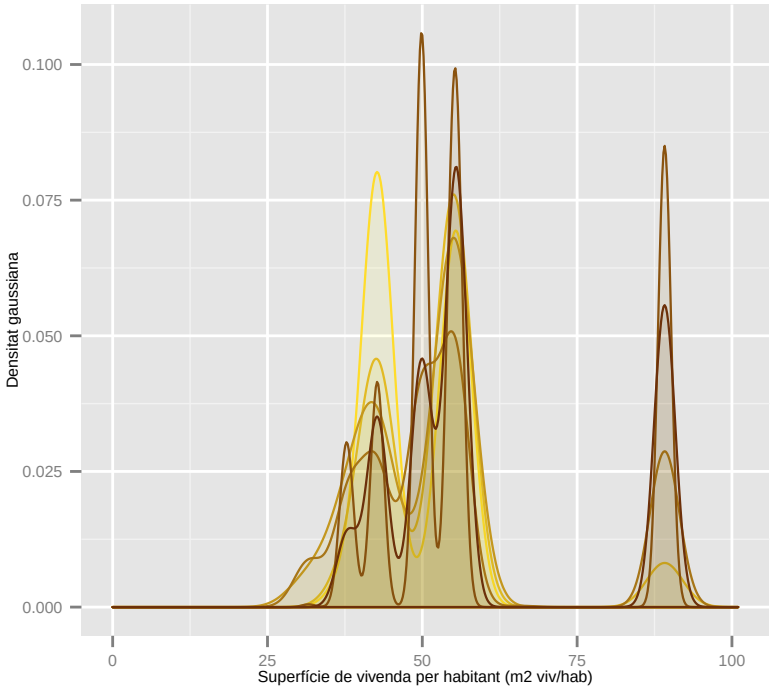
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

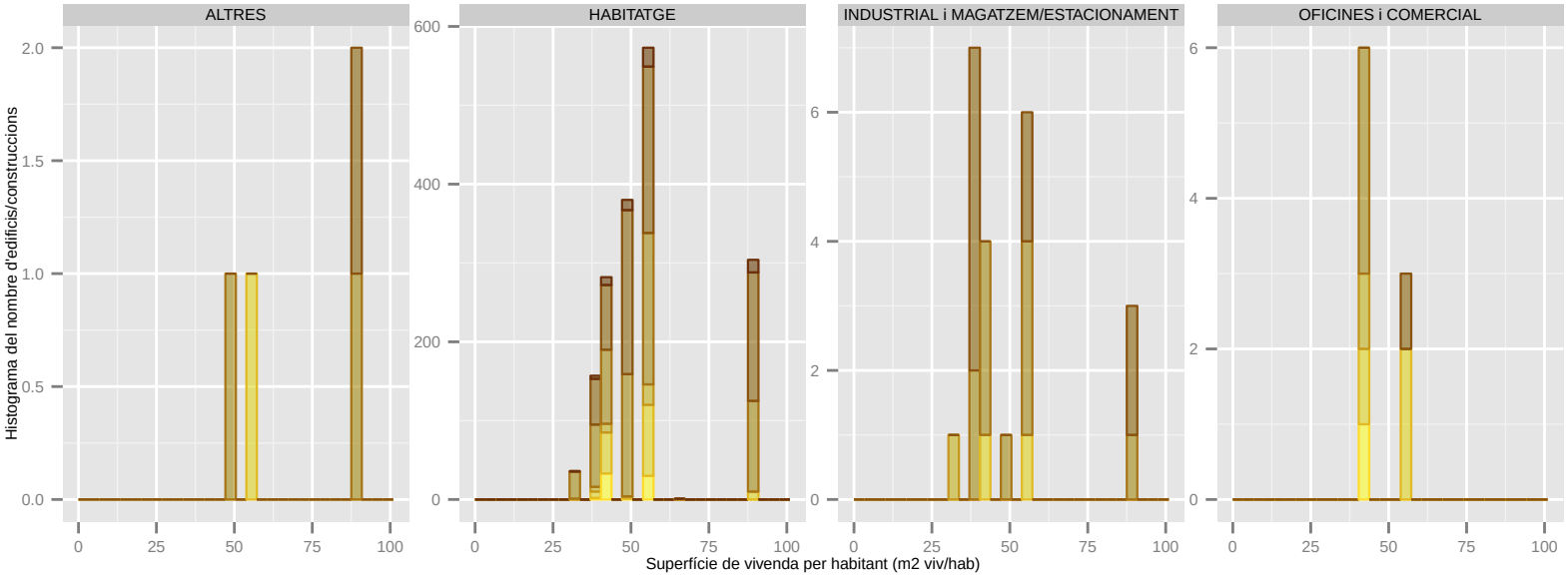
Superfície de vivenda per habitant (m2 viv/hab): SANT JUST DESVERN





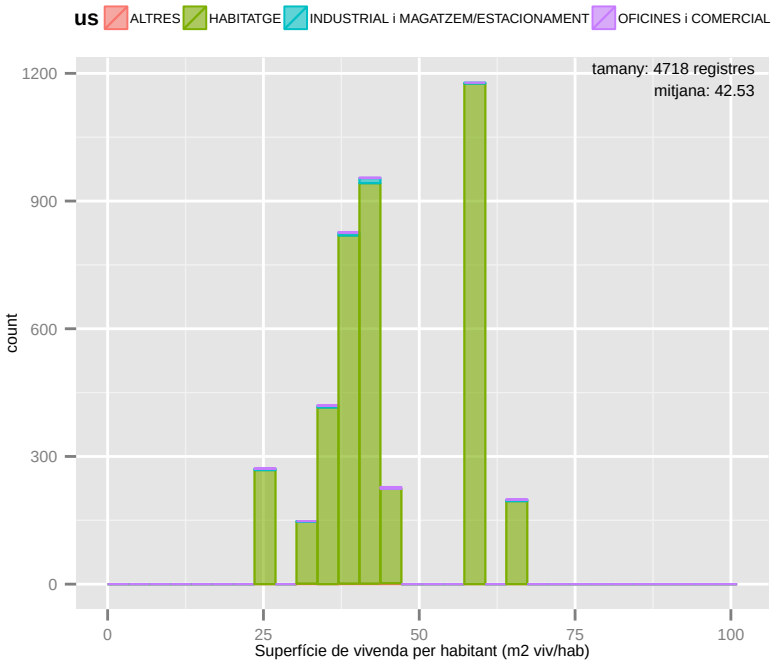


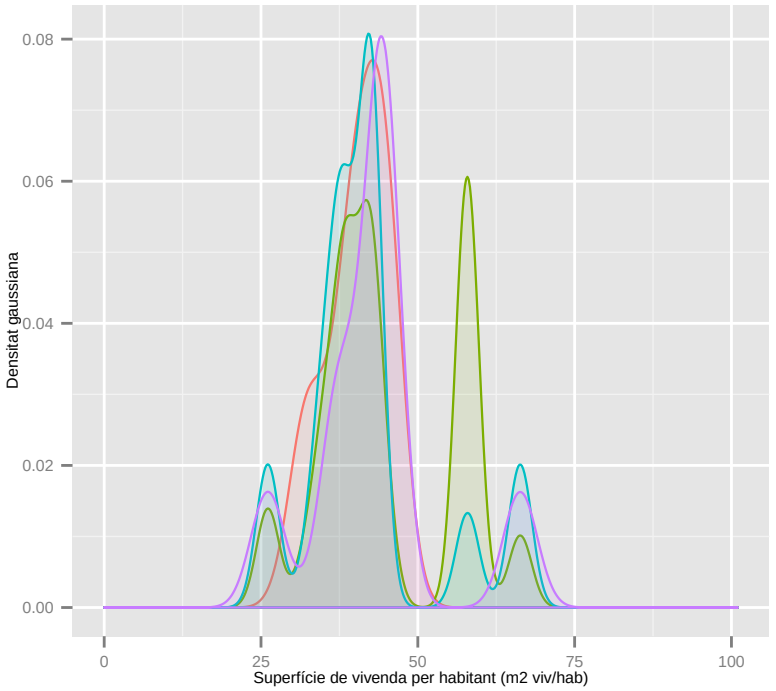


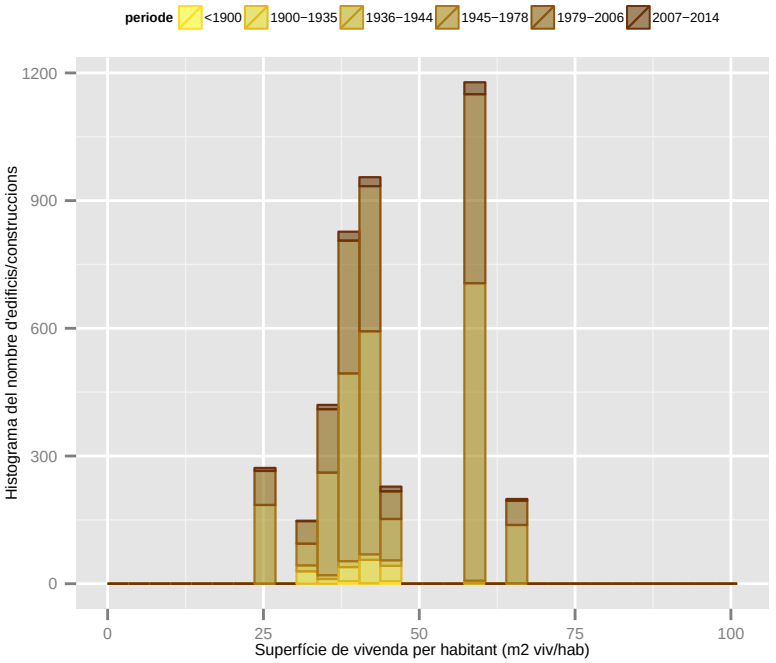


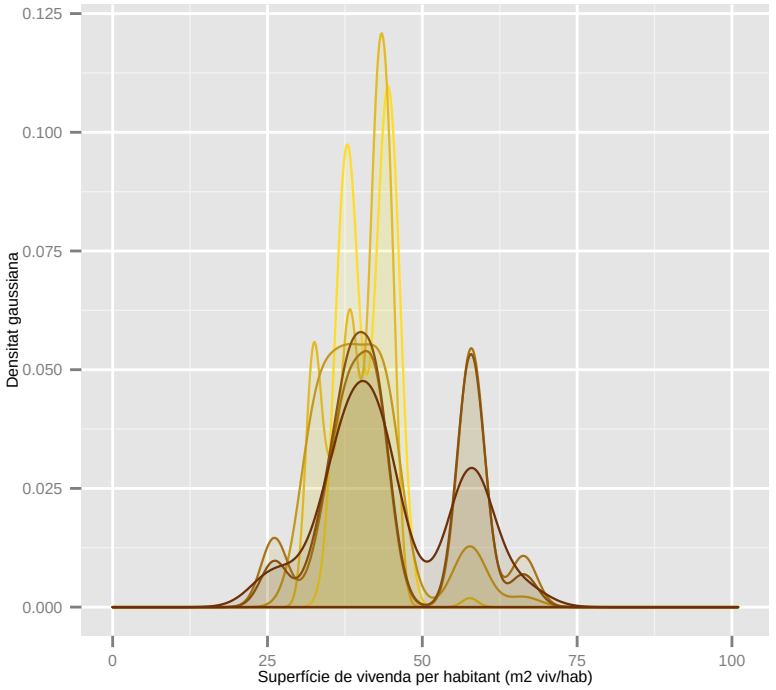
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

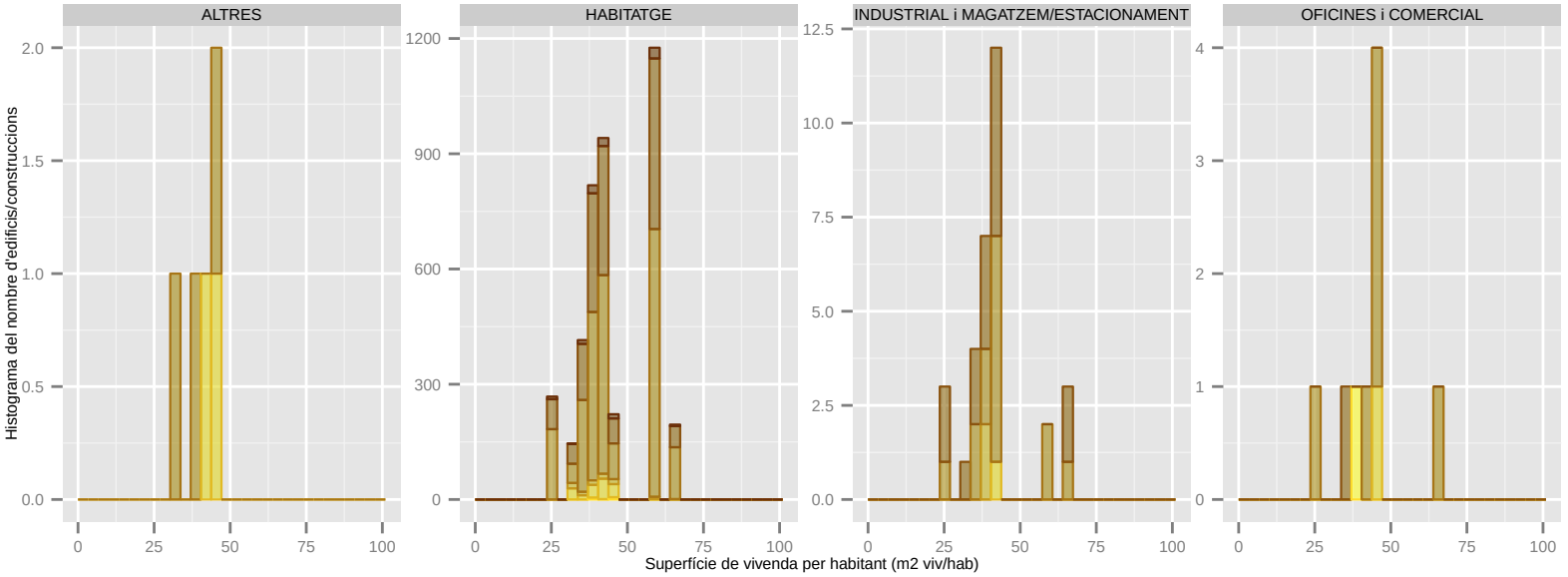
Superfície de vivenda per habitant (m2 viv/hab): SANT VICENÃ‡ DELS HORTS





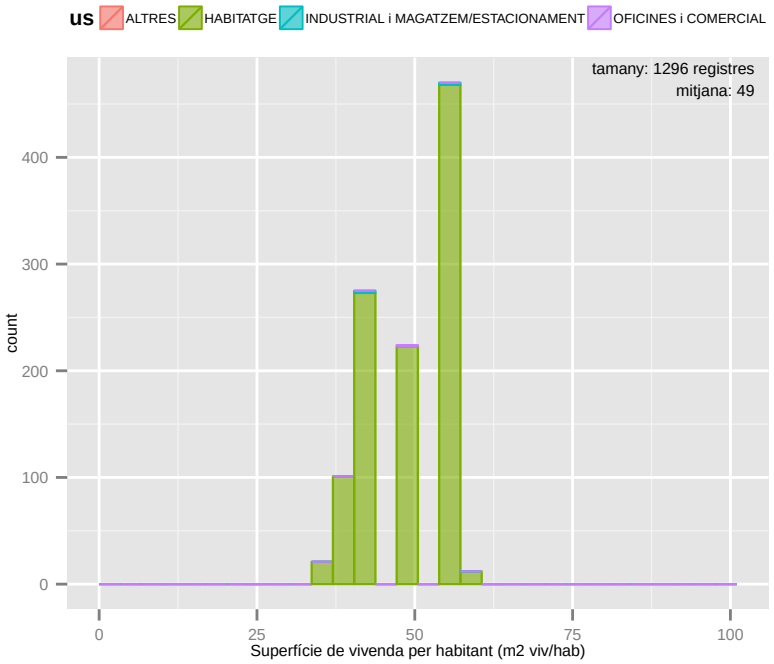


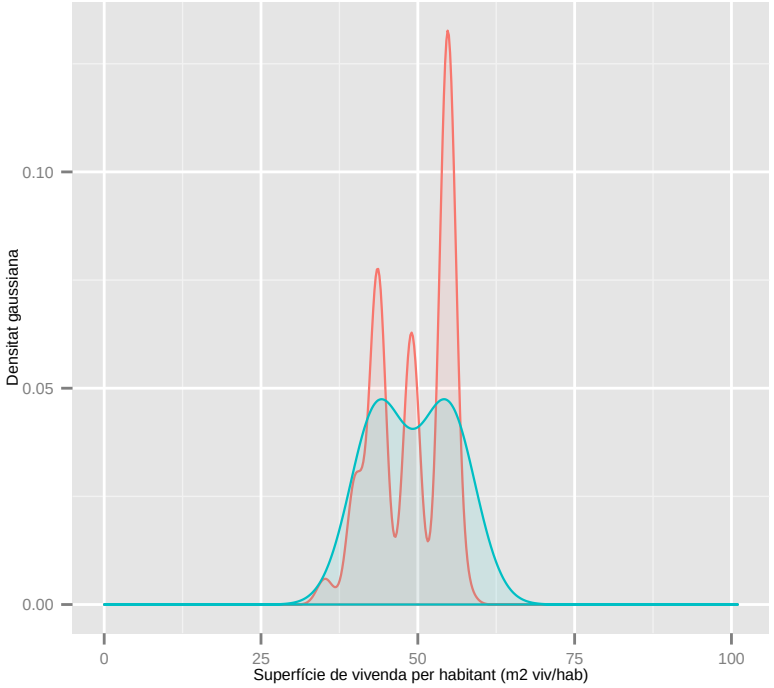


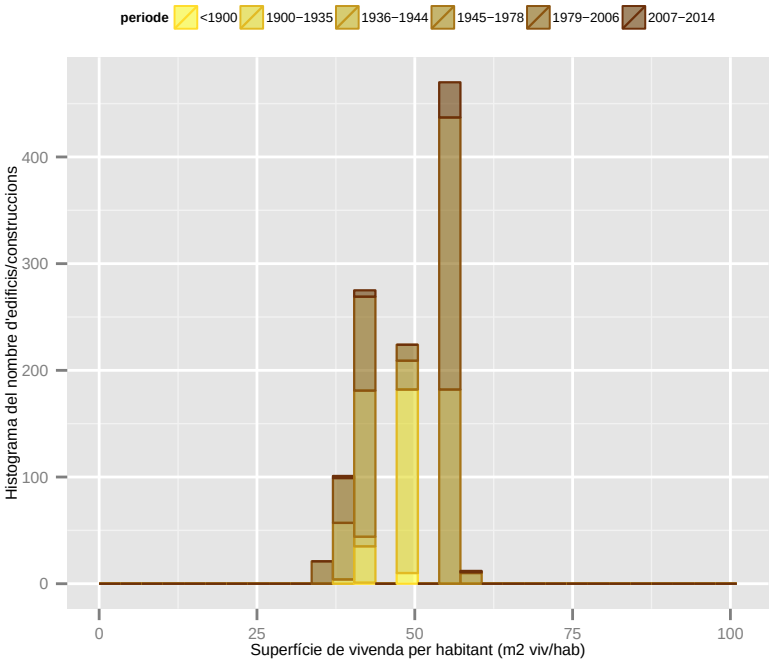


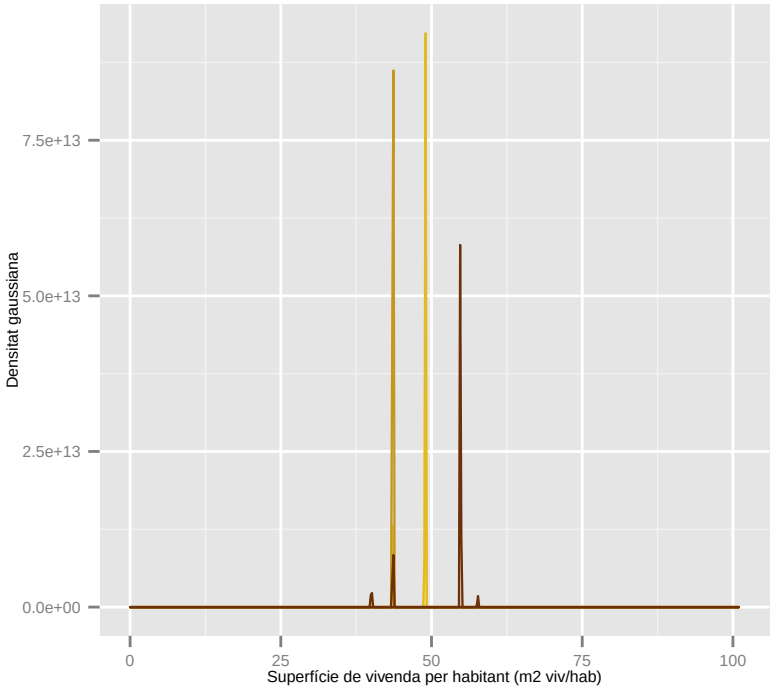
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

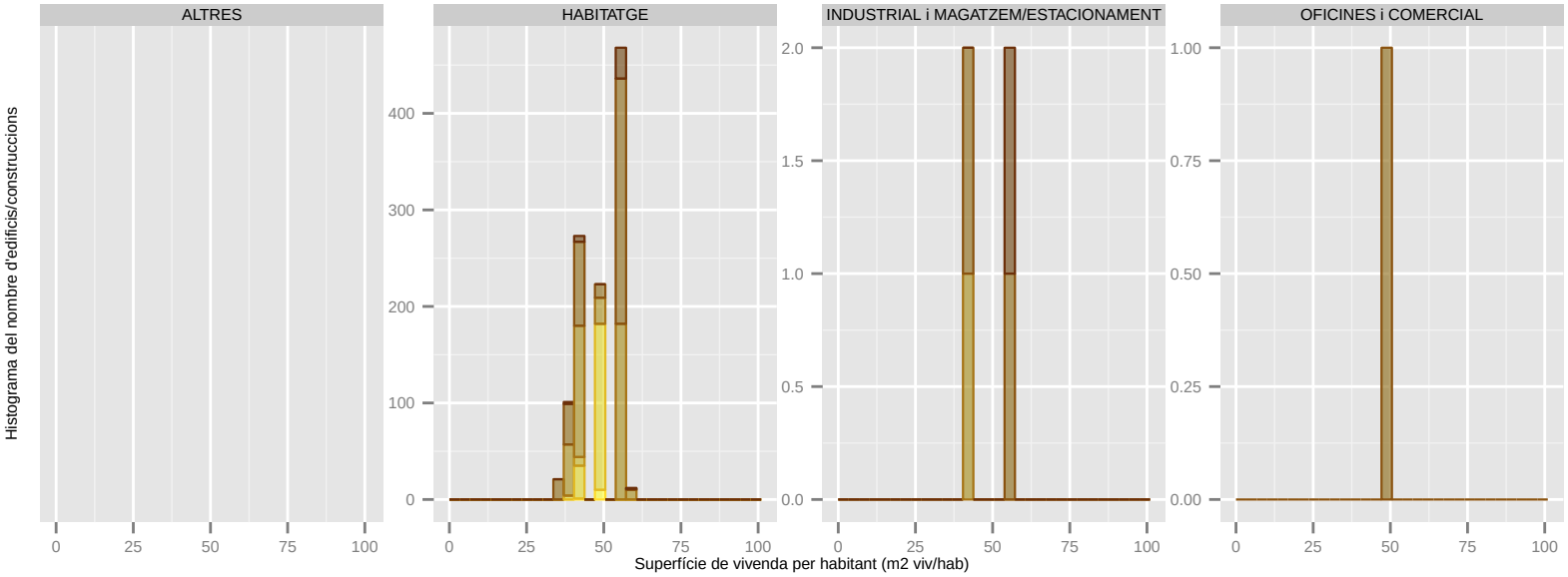
Superfície de vivenda per habitant (m2 viv/hab): SANTA COLOMA DE CERVELLO











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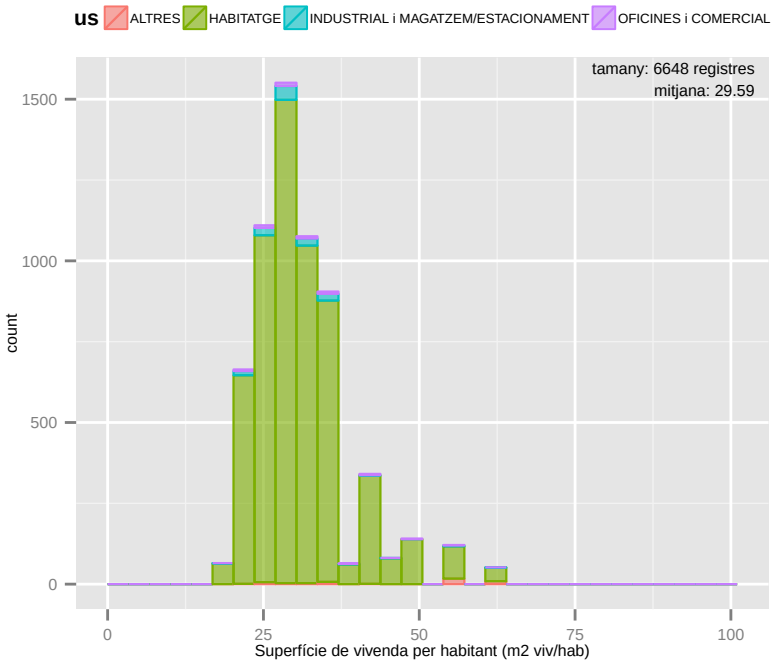
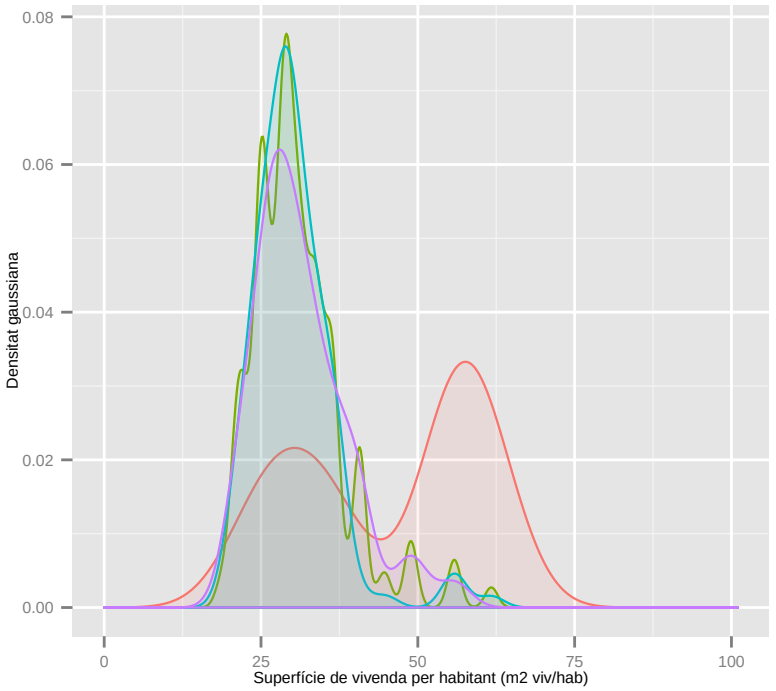
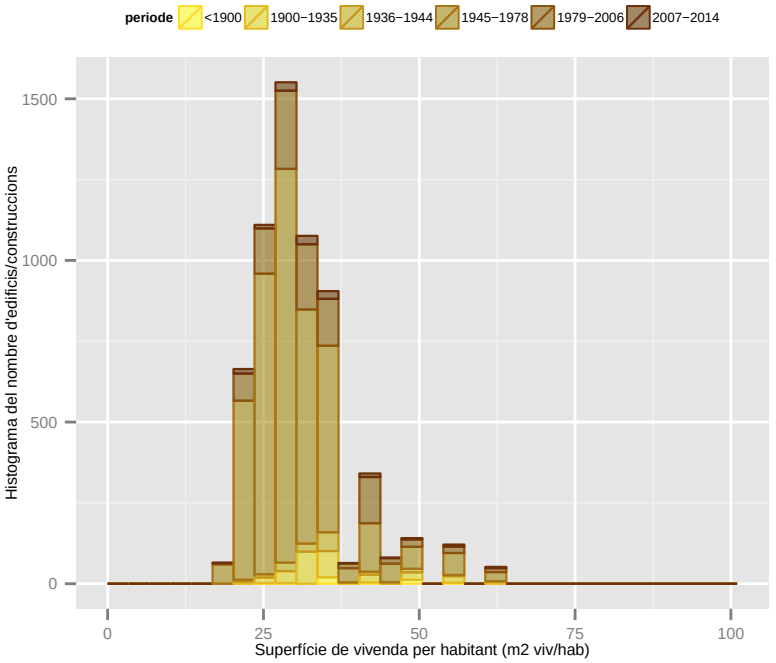
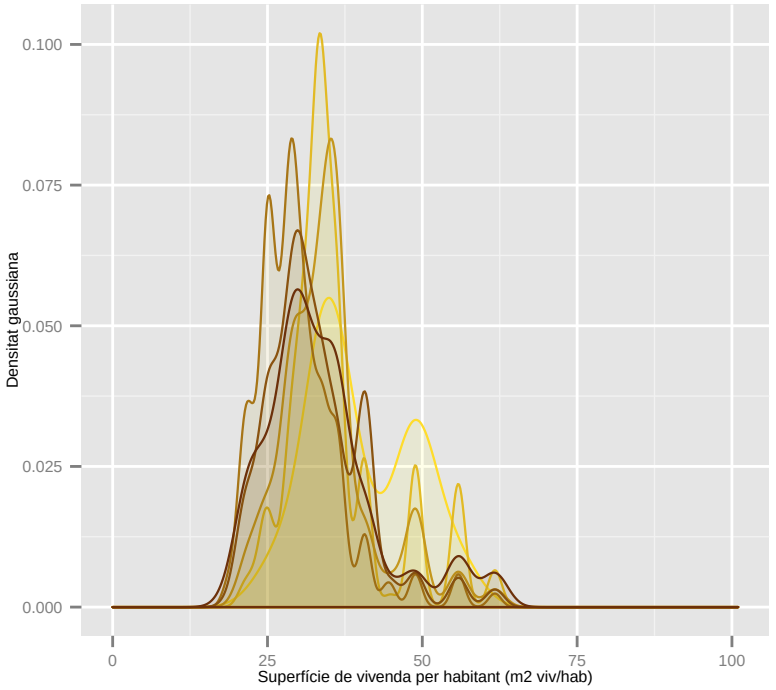
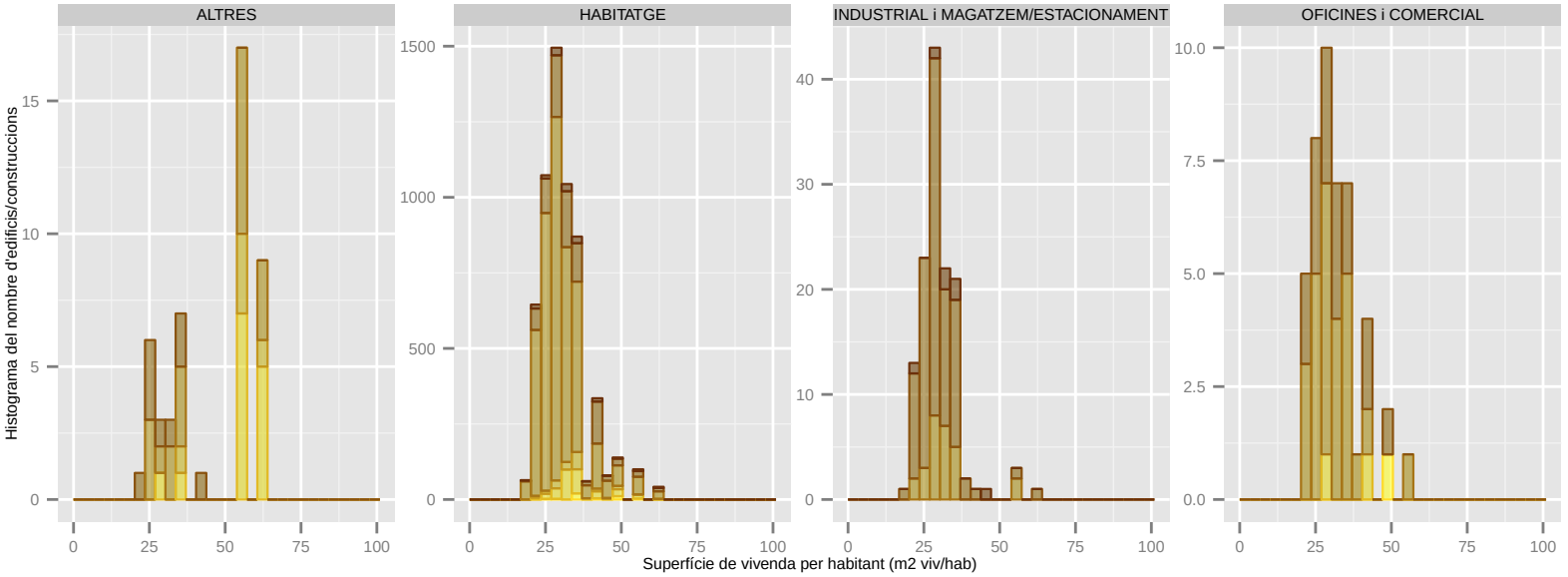
Superfície de vivenda per habitant (m2 viv/hab): SANTA COLOMA DE GRAMENET





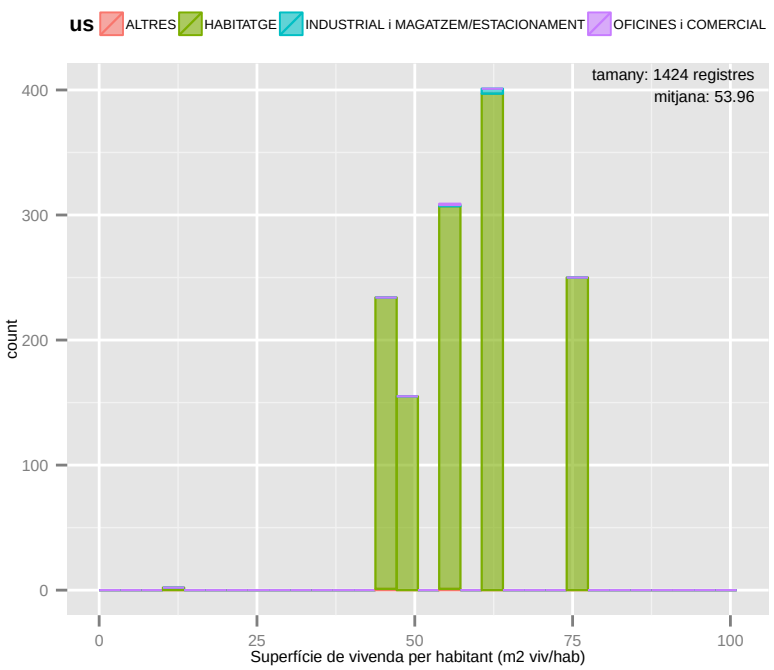


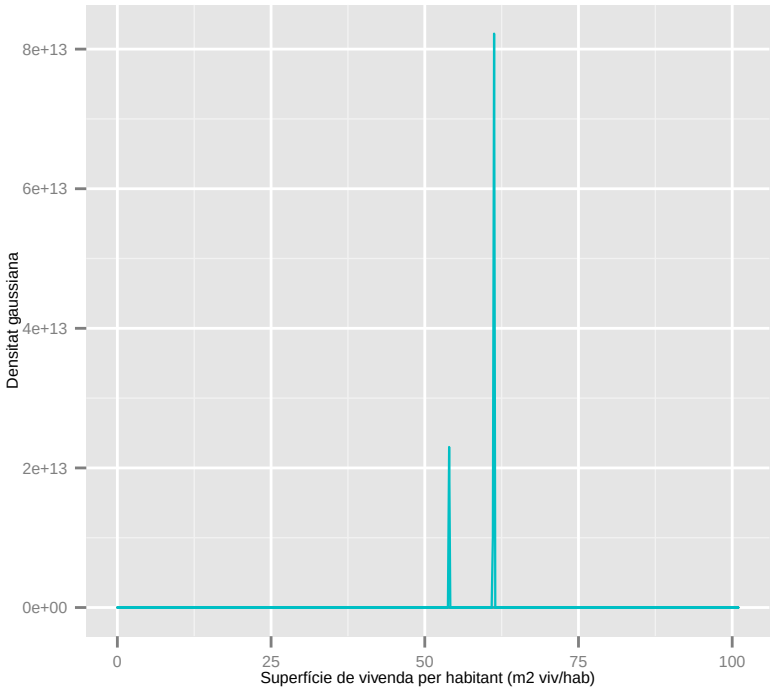


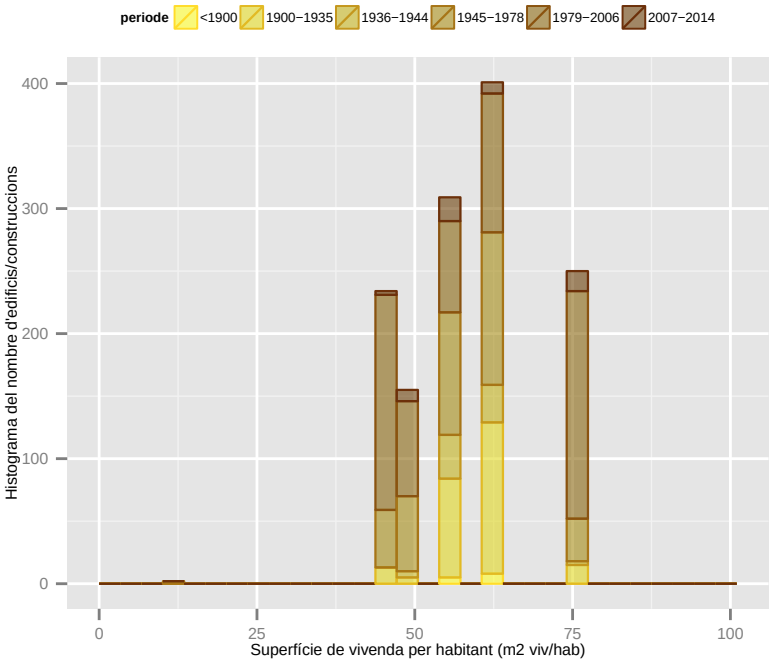


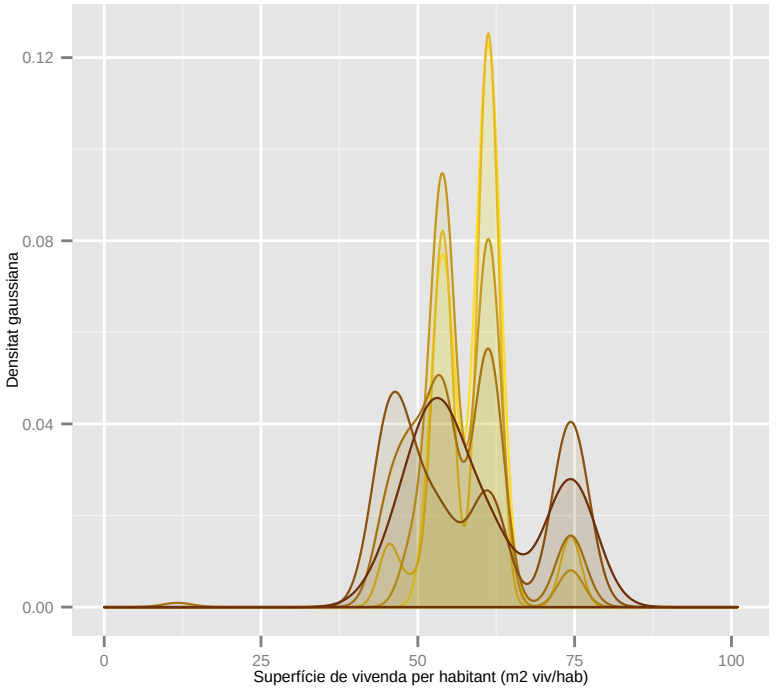
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

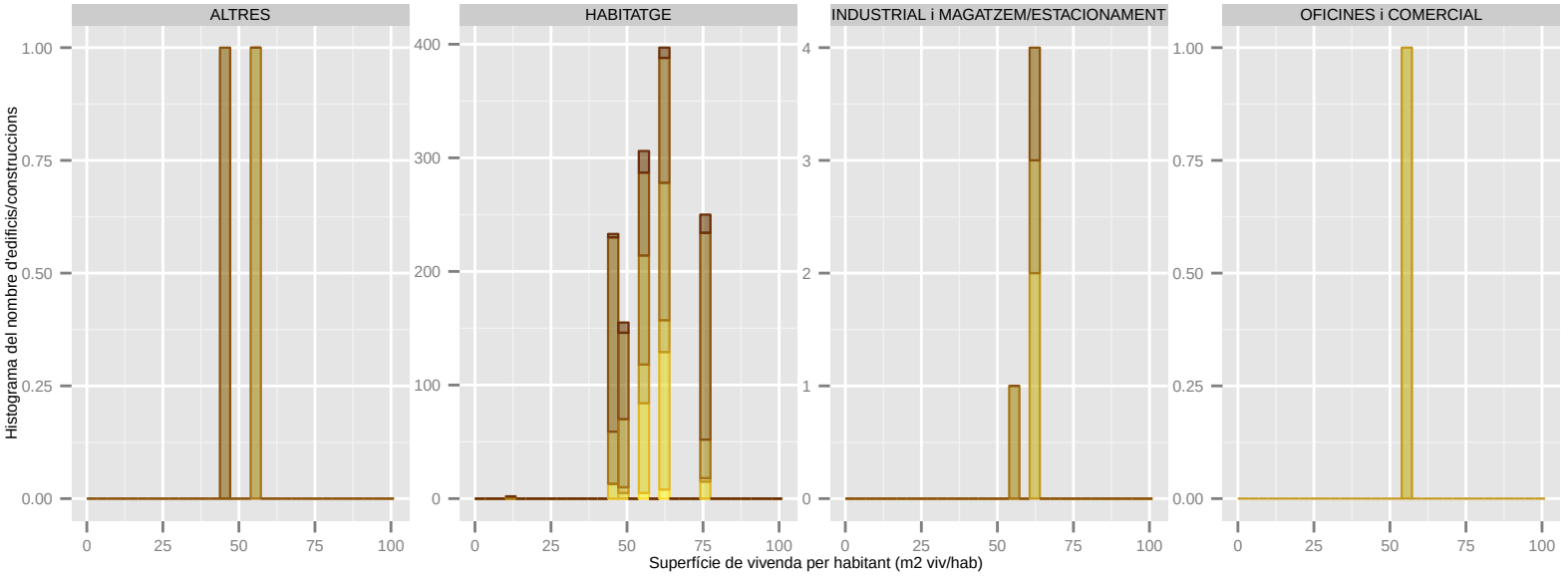
Superfície de vivenda per habitant (m2 viv/hab): TIANA





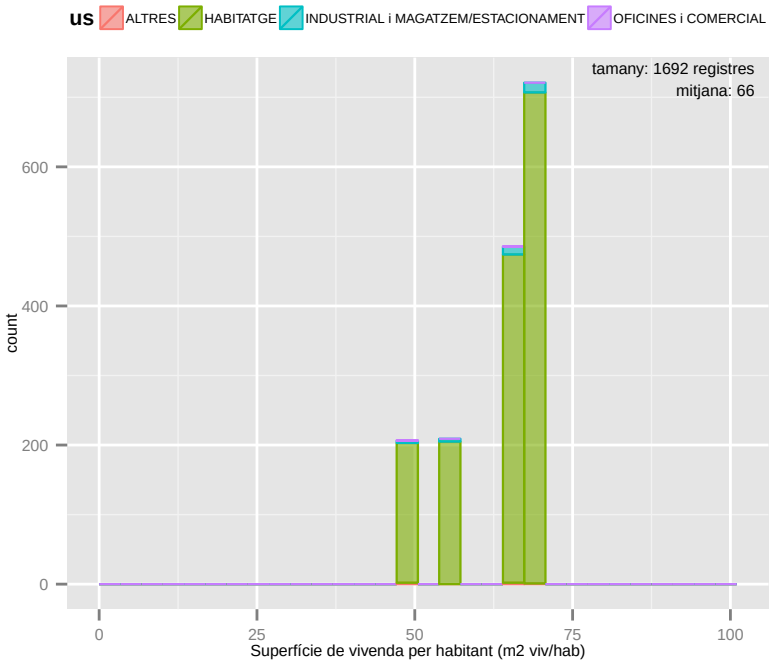


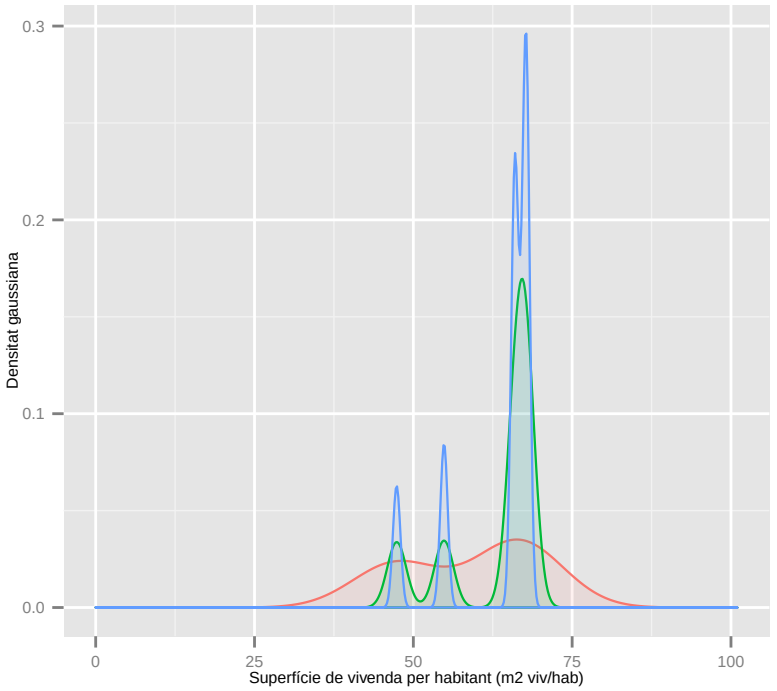


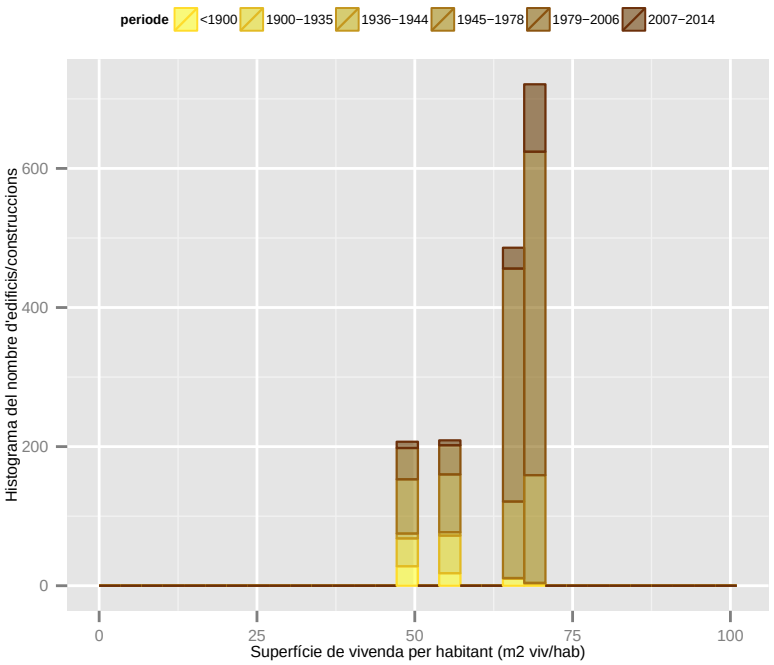


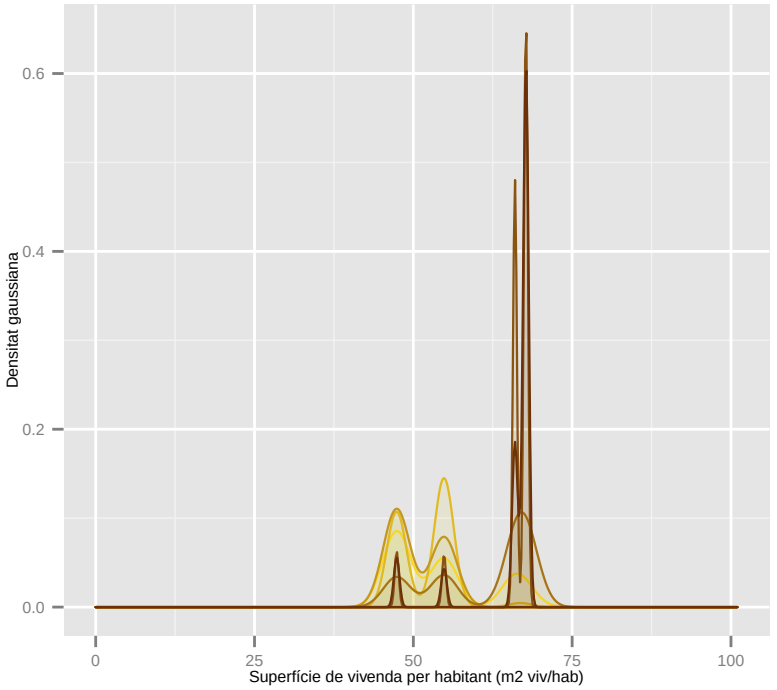
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

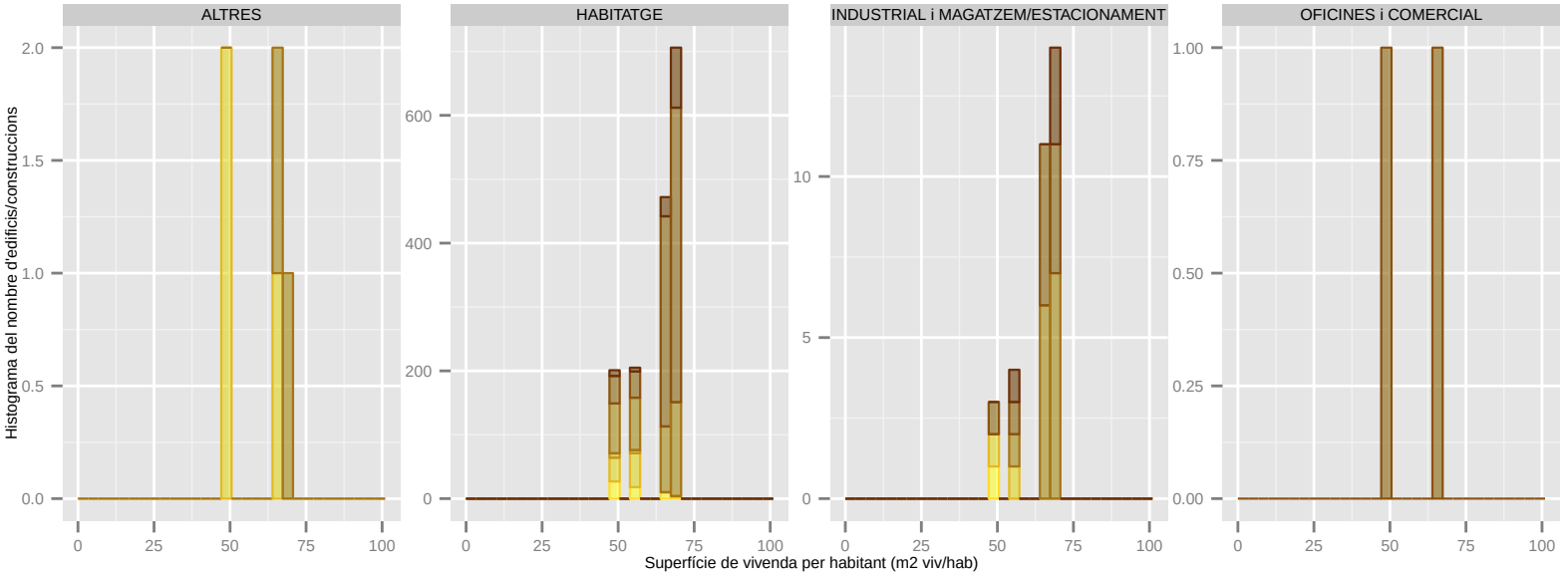
Superfície de vivenda per habitant (m2 viv/hab): TORRELLES DE LLOBREGAT





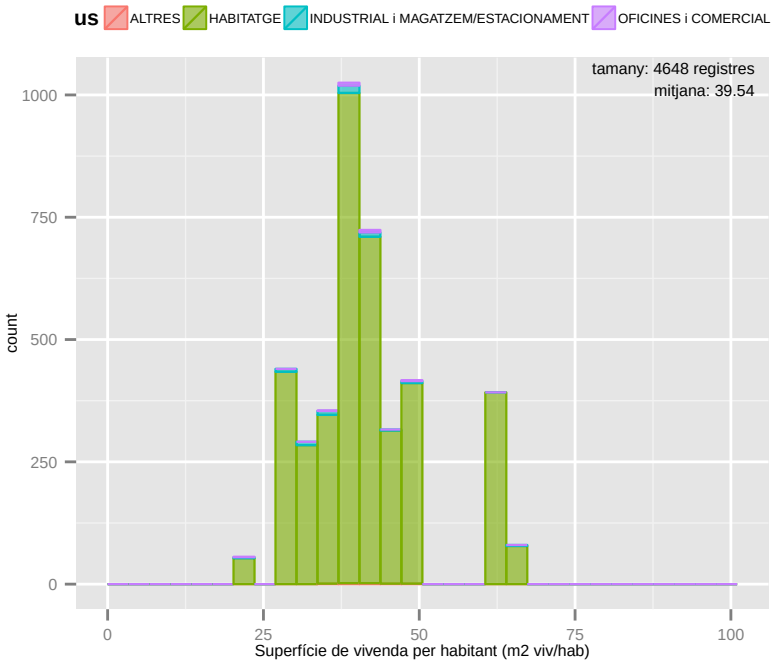


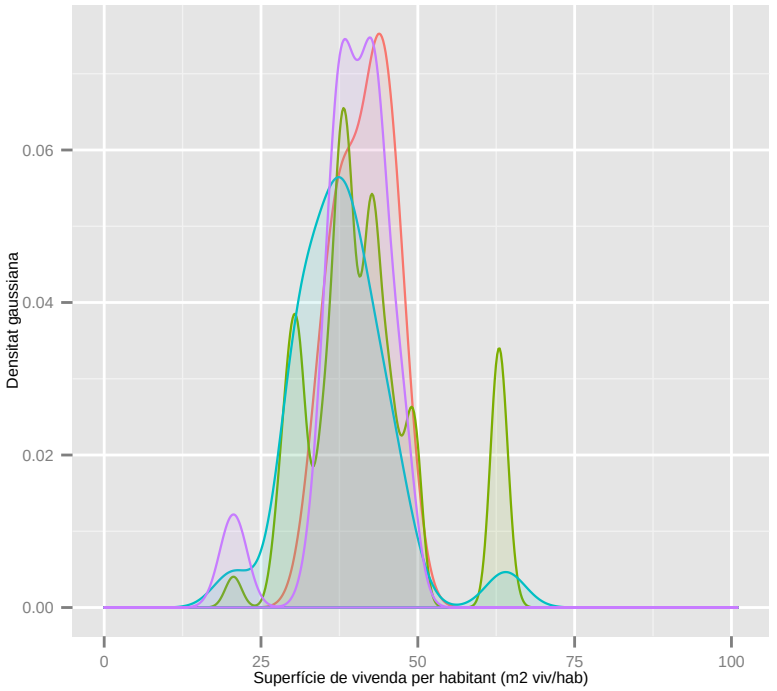


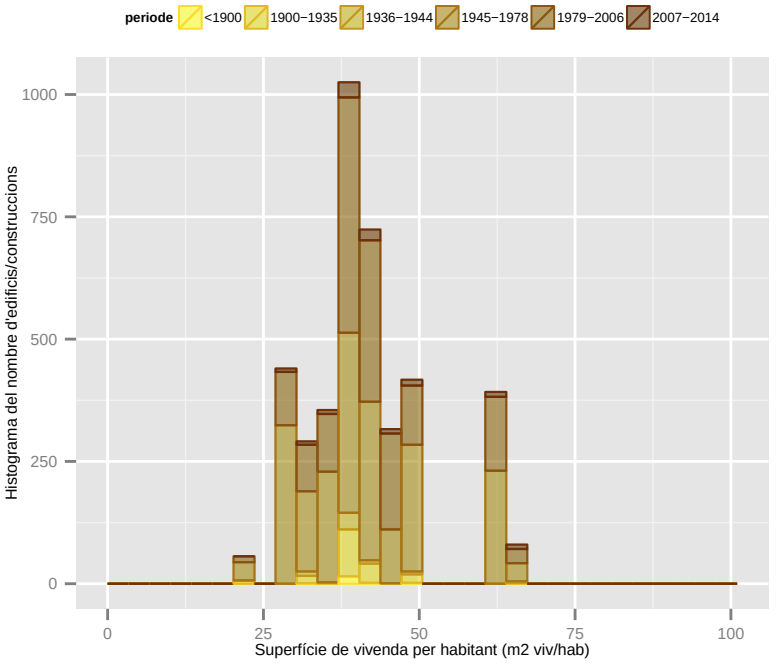


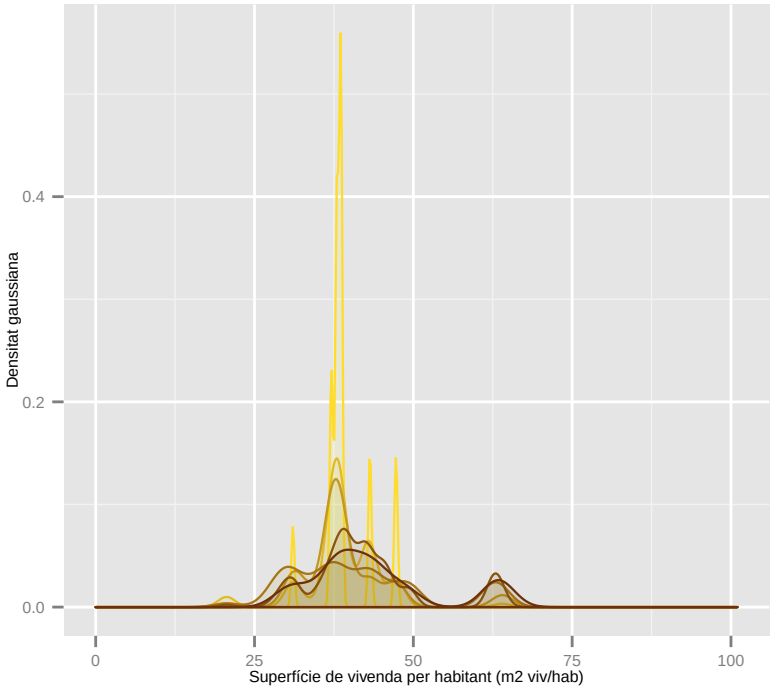
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

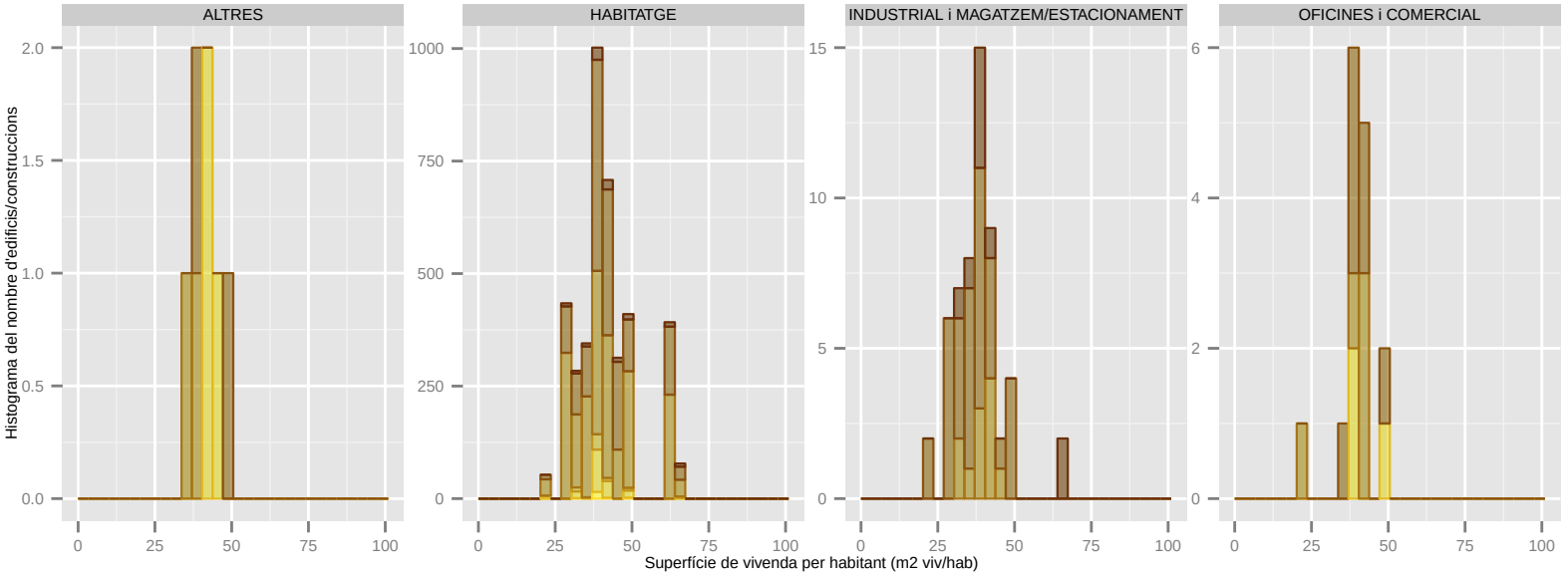
Superfície de vivenda per habitant (m2 viv/hab): VILADECANS











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

5. ALÇADA MITJA PONDERADA DELS EDIFICIS

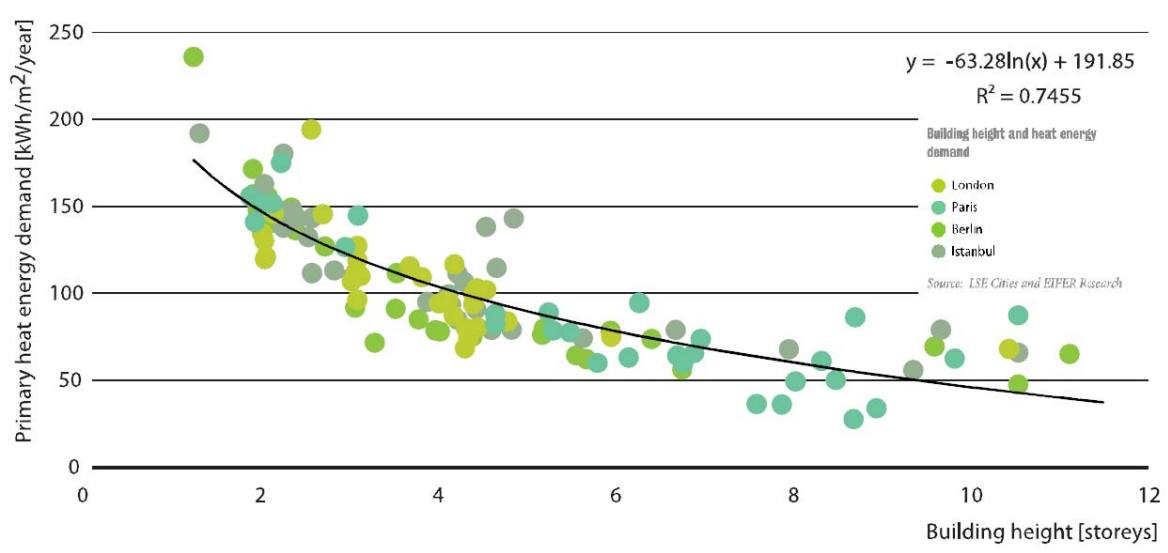
Aquest indicador representa l'alçada mitja dels edificis, cal tenir en compte que un edifici pot tenir diferents alçades en funció dels diferents elements que hi tingui a la coberta o de les diferents alçades de les unitats constructives que conformen l'edifici (si en té més d'una). En aquest sentit s'opta per l'alçada mitja com la més representativa per un anàlisi de teixits urbans en comptes d'analitzar altres paràmetres com l'alçada màxima dels edificis.

Cal tenir en compte que metodològicament s'ha ponderat l'alçada mitja dels edificis segons la superfície construïda de cadascuna de les unitats constructives per tal de tenir una alçada mitja més equilibrada respecte el conjunt de construccions que puguin conformar un edifici.

Els municipis amb una alçada mitja ponderada major són Badia del Vallès (casi 24 m), Barcelona (14,6 m), L'Hospitalet de Llobregat (12,9 m) i Cornella del Llobregat amb Santa Coloma de Gramenet (1mb 10 m tots dos). Els més baixos són Begues i Corbera de Llobregat amb 6,18 i 6,33 m cadascun.

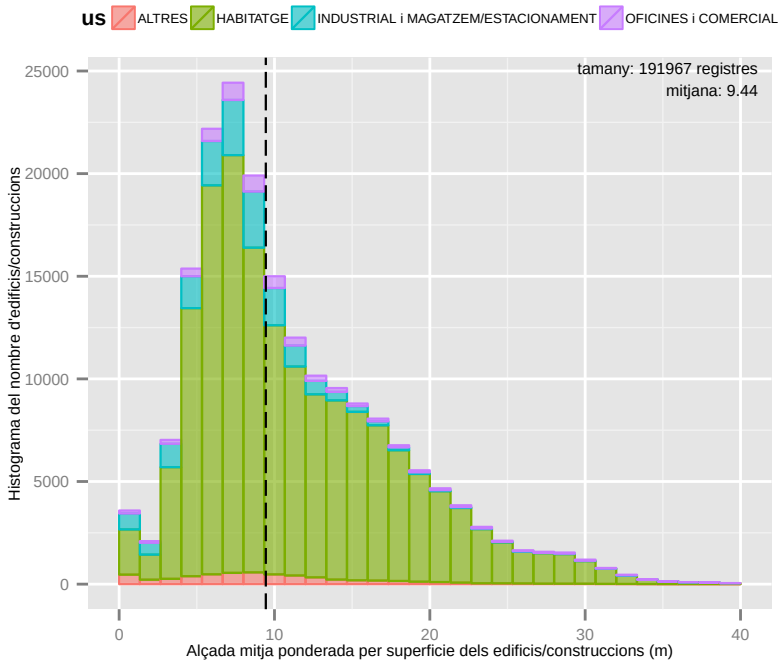
Incidència en el consum d'energia:

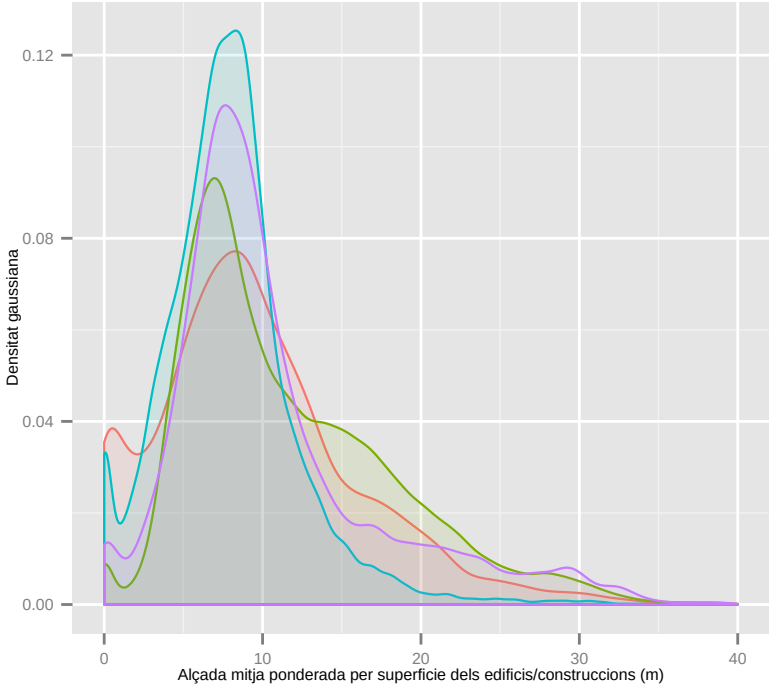
Per norma general una major alçada de l'edifici implica en un menor consum d'energia de calefacció, segons un estudi de la EIFER (European Institute for Energy Research). Tot i això no sempre edificis més alts consumeixen menys ja que el consum d'energia també està molt relacionat amb la relació alçada/superfície en planta o l'esveltesa de l'edifici,

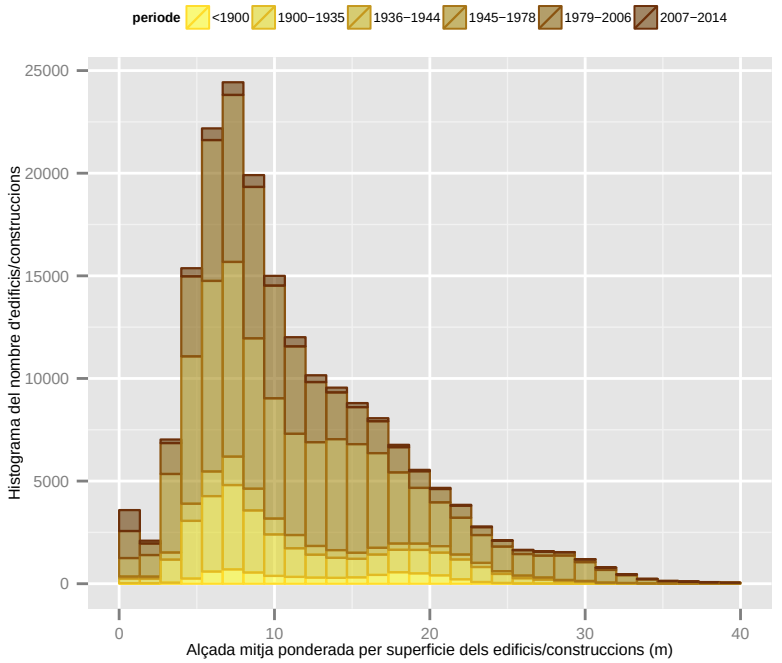


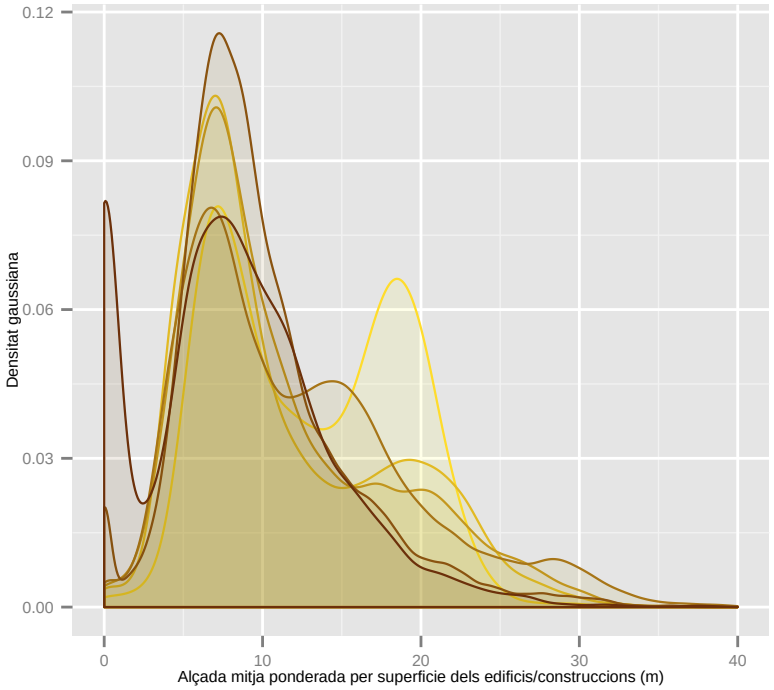
FONT: LSE Cities Seminar - Cities and Energy, EIFER

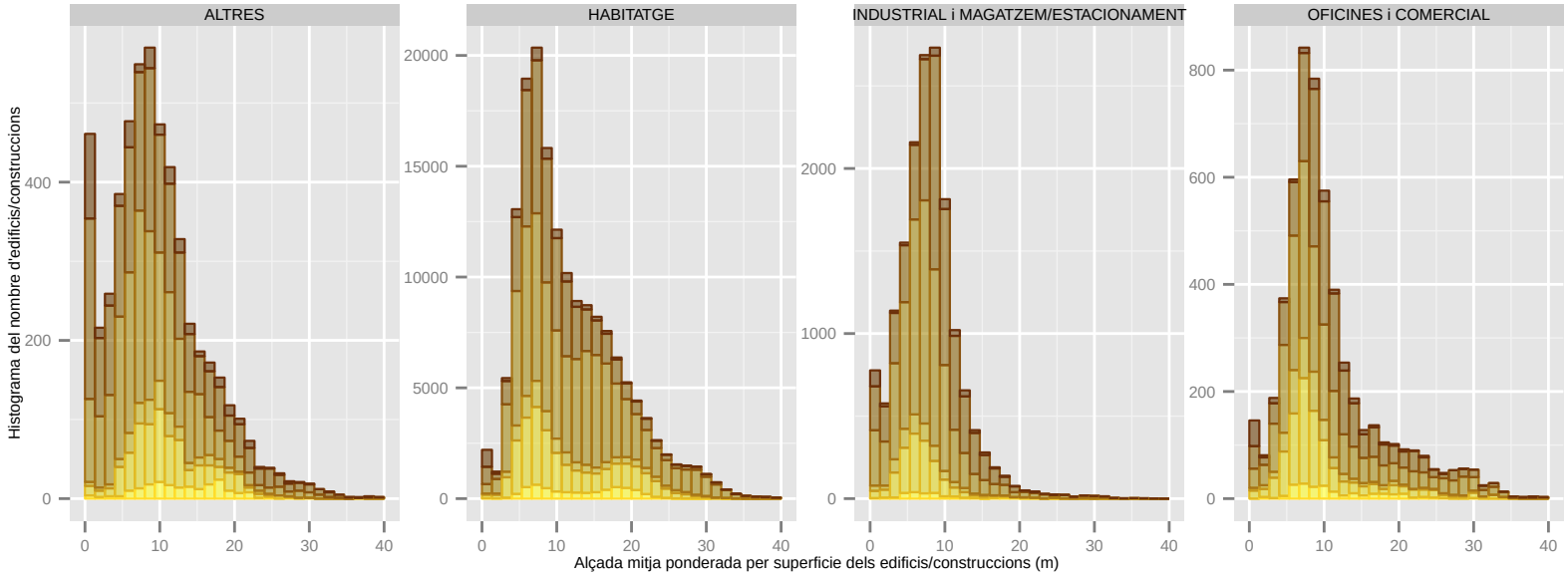
ada mitja ponderada per superficie dels edificis/construccions (m): A





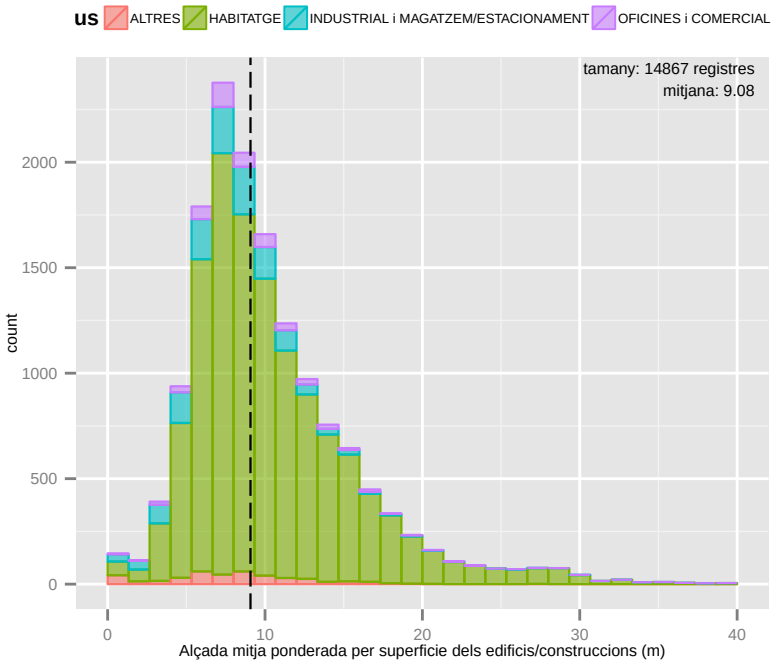


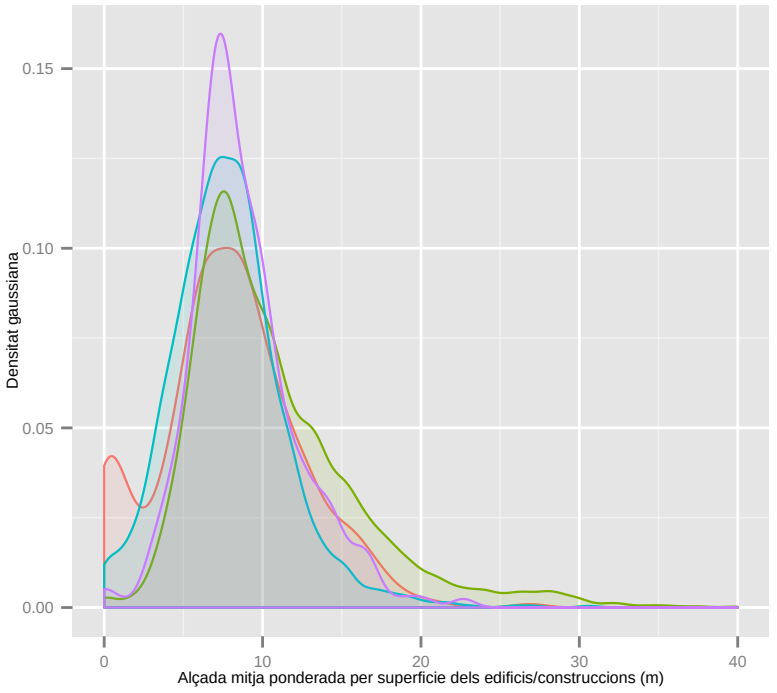


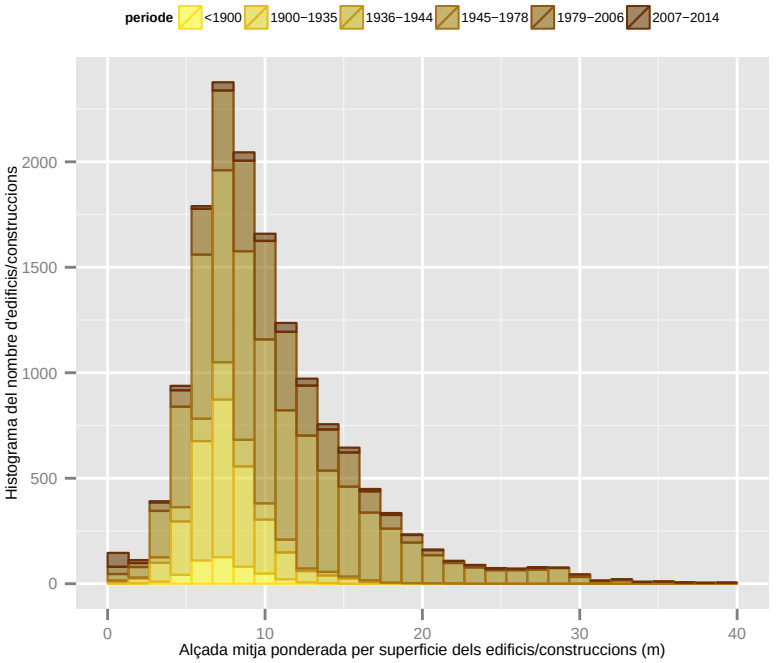


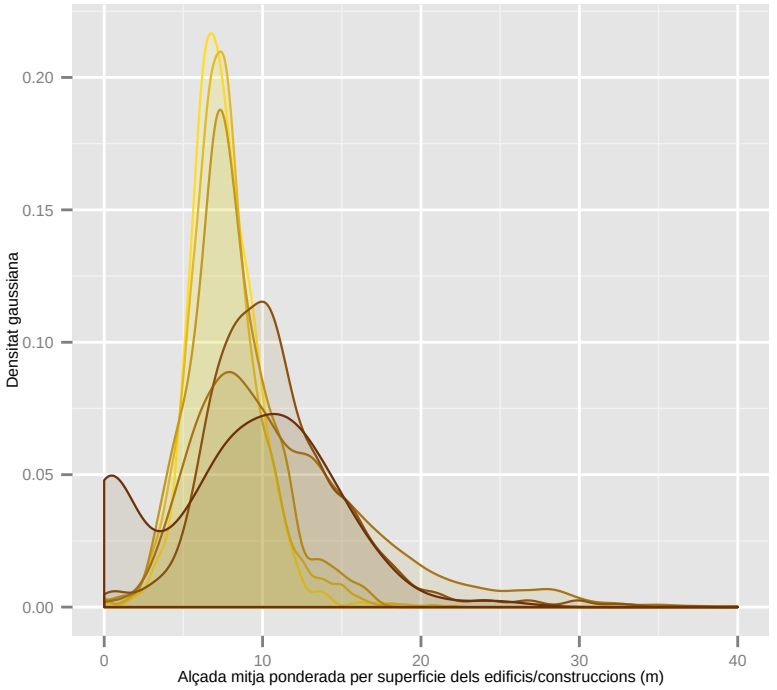
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

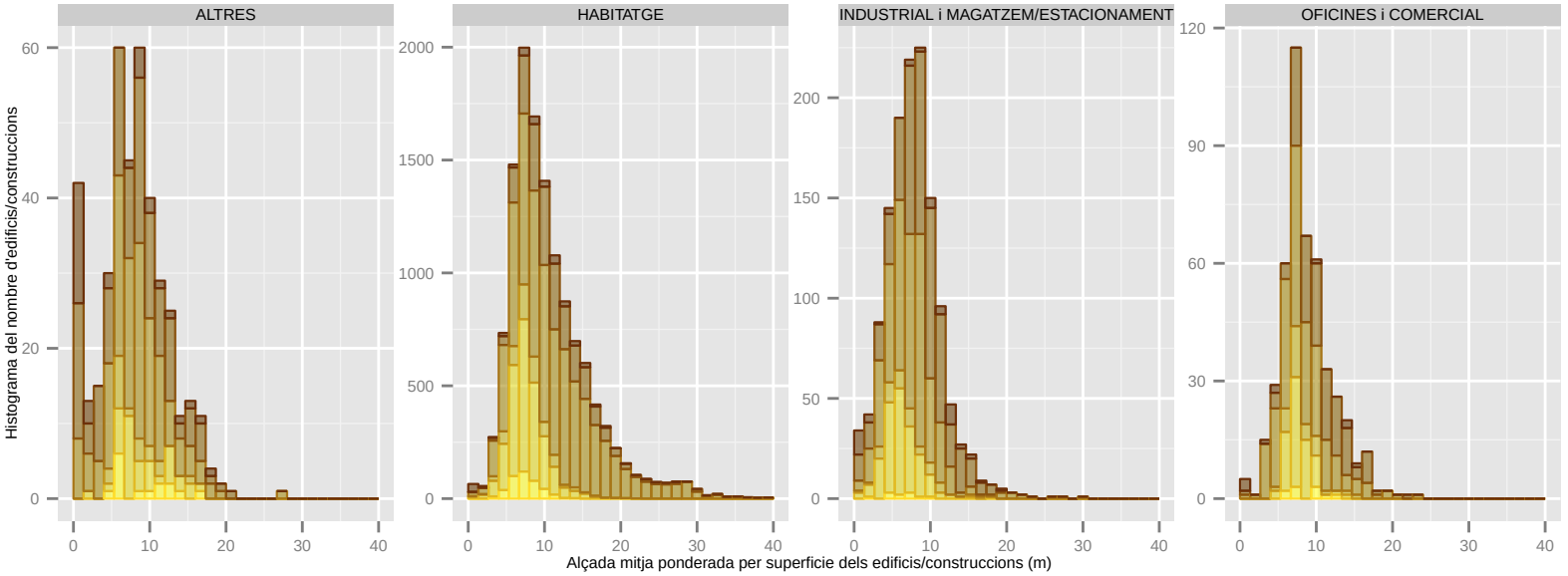
Alçada mitja ponderada per superficie dels edificis/construccions (m): BADALONA





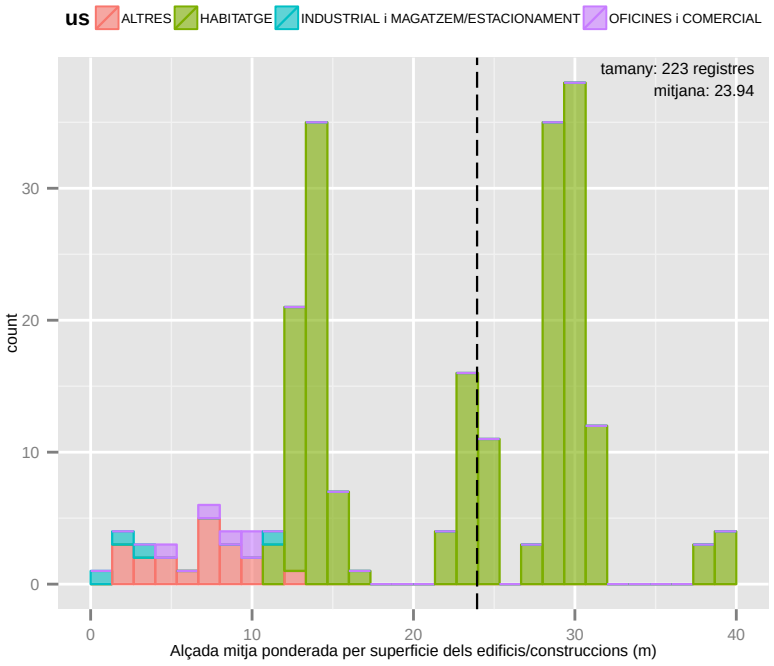


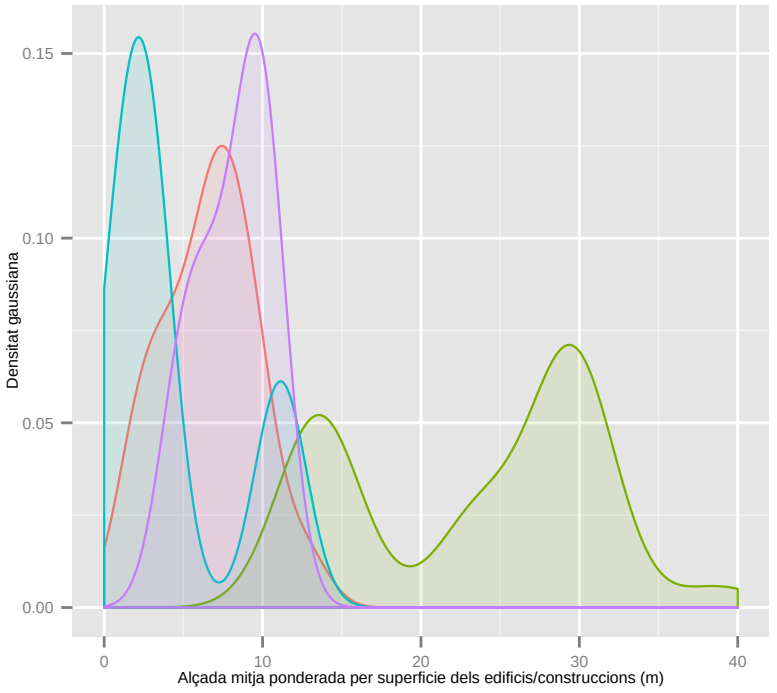


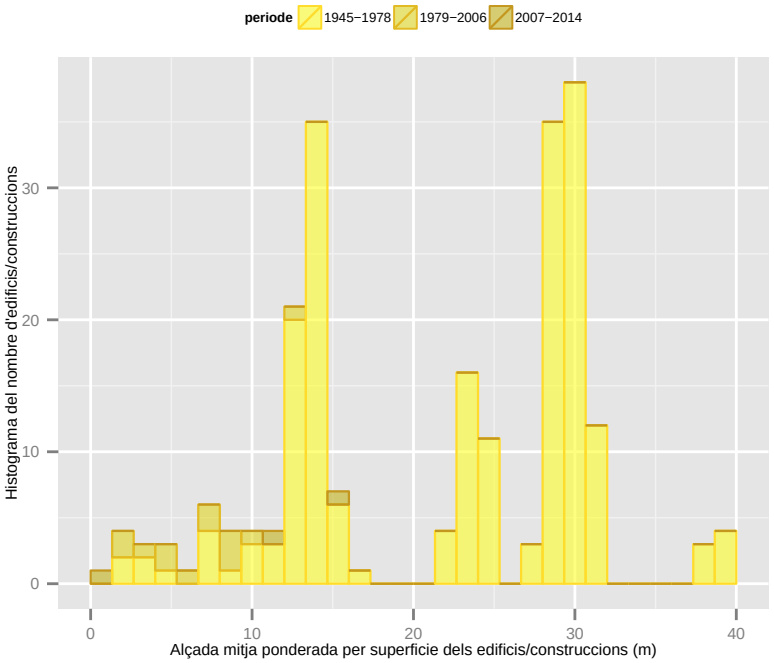


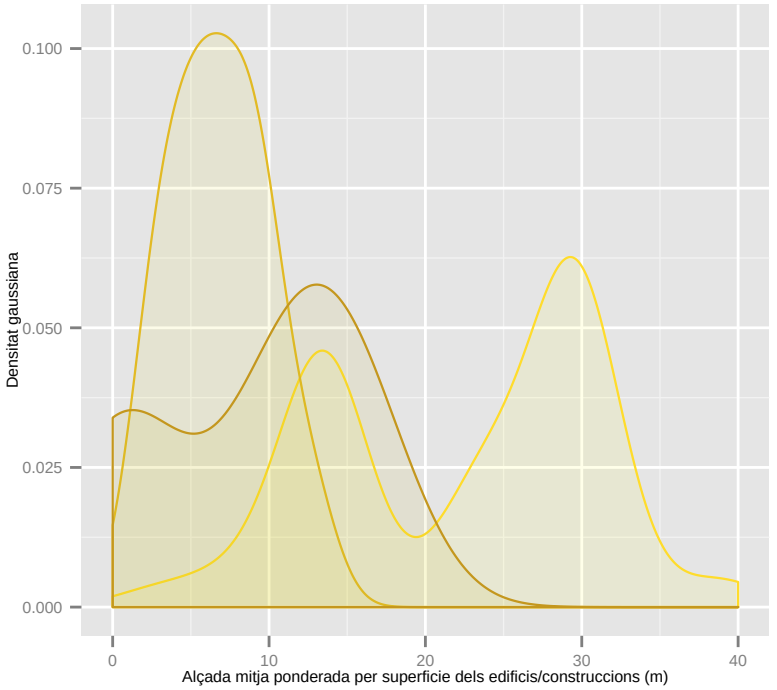
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

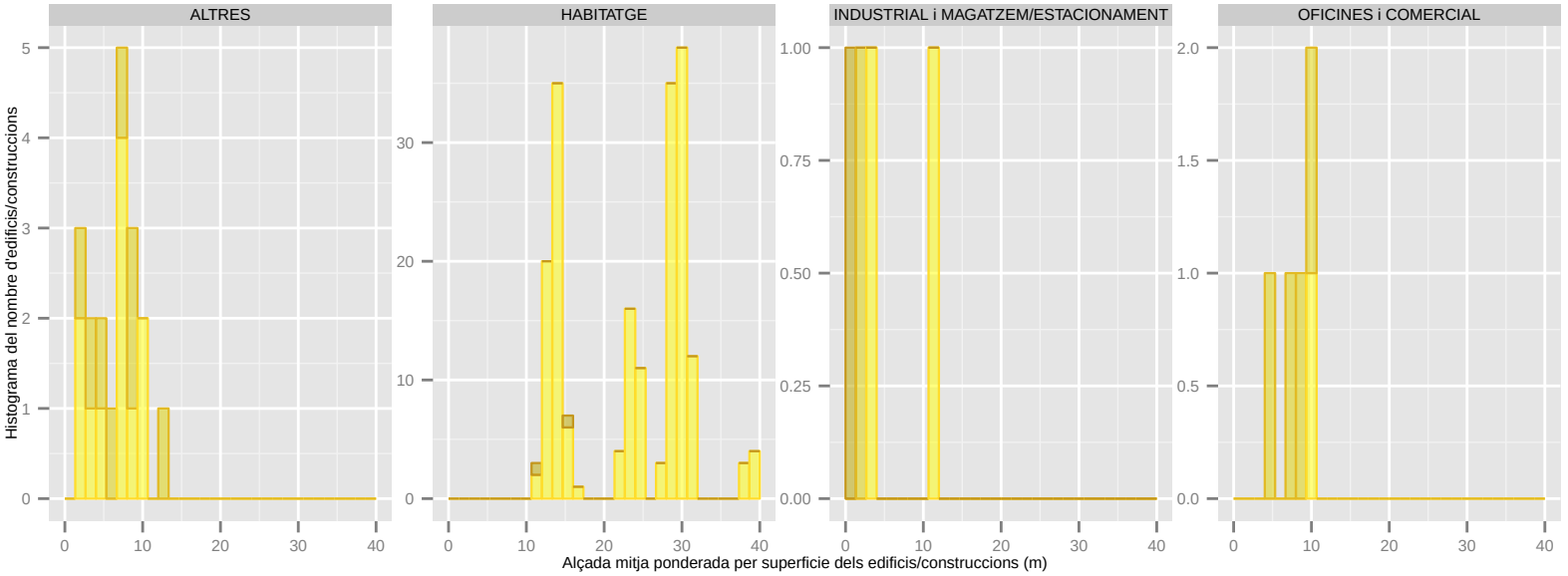
Alçada mitja ponderada per superficie dels edificis/construccions (m): BADIA DEL VALLES





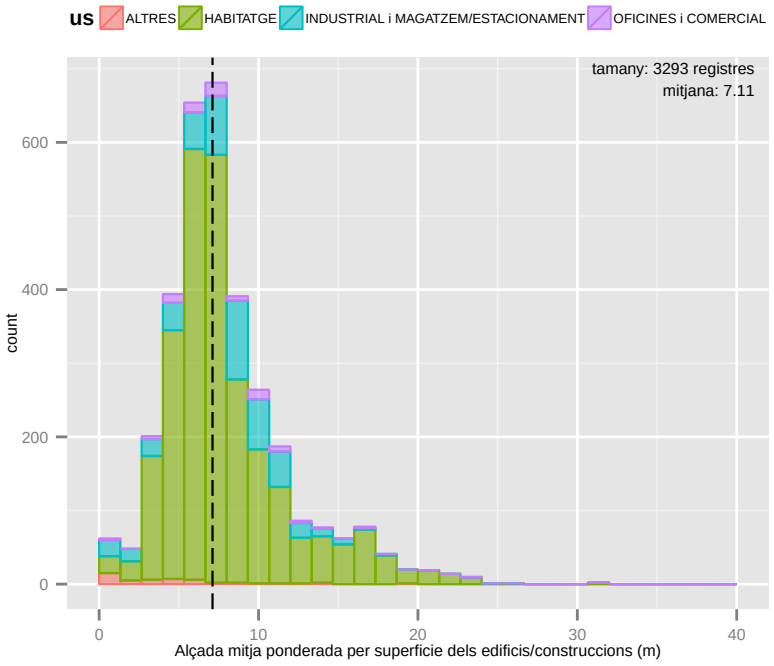


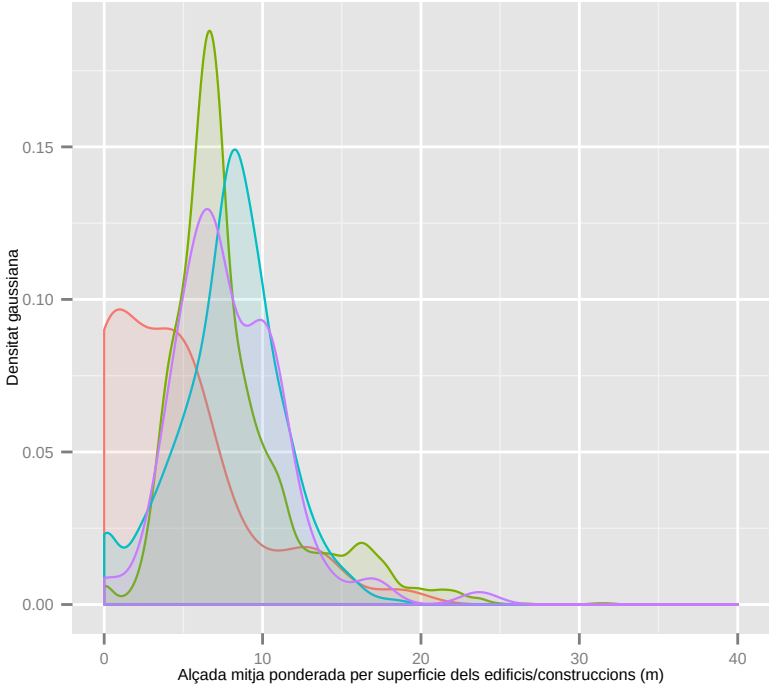


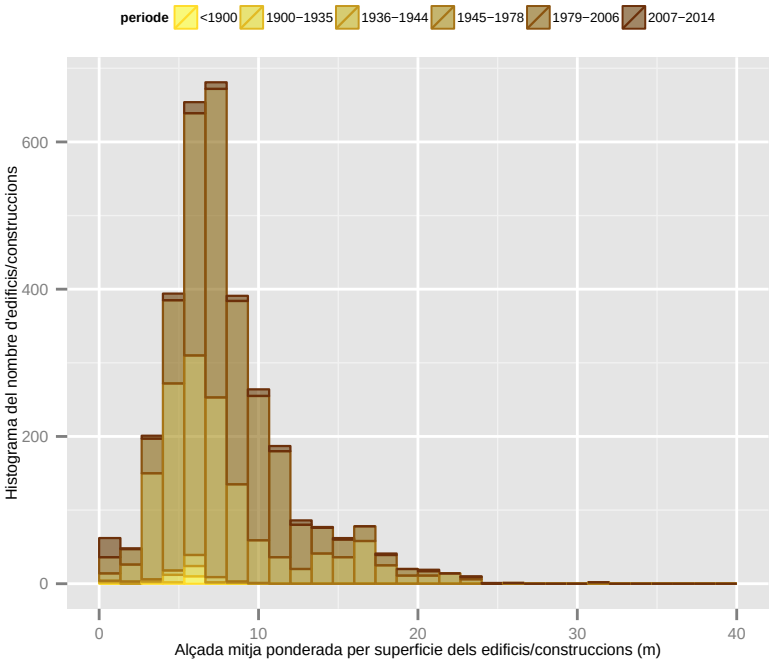


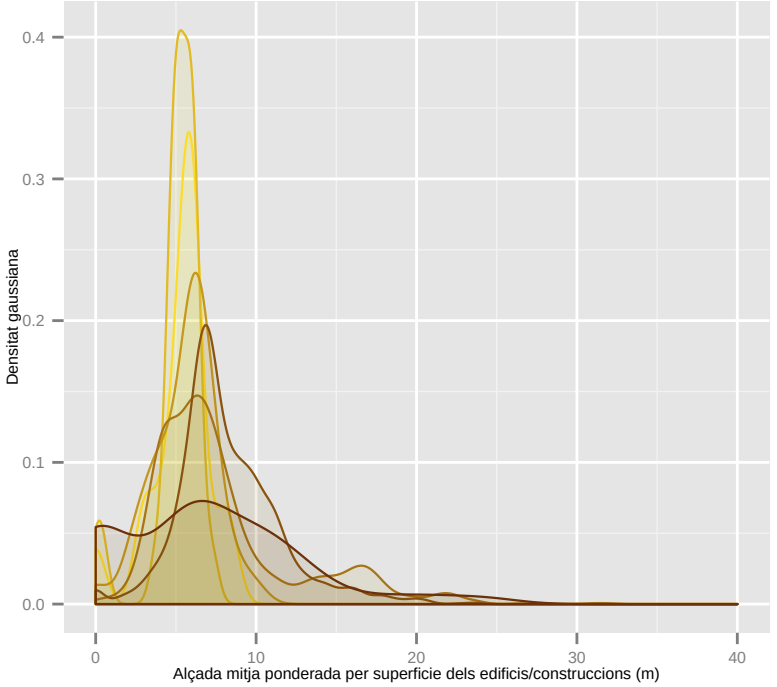
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

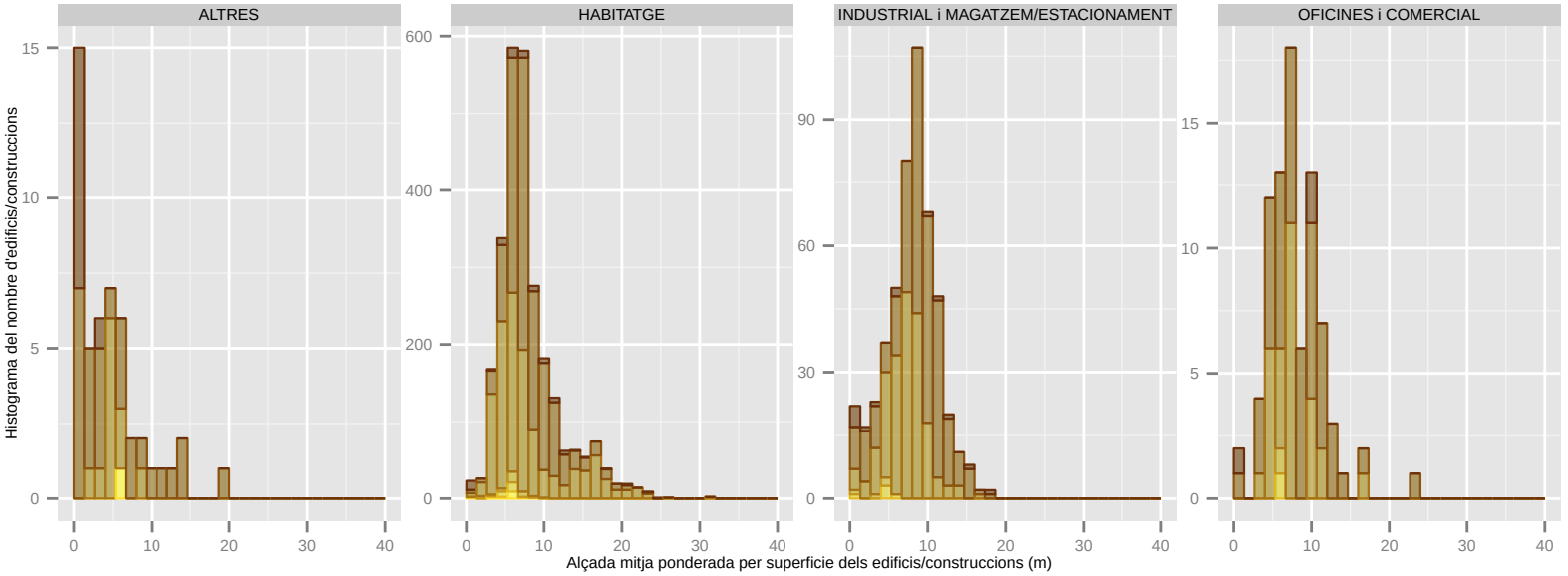
Alçada mitja ponderada per superficie dels edificis/construccions (m): BARBERA DEL VALLES





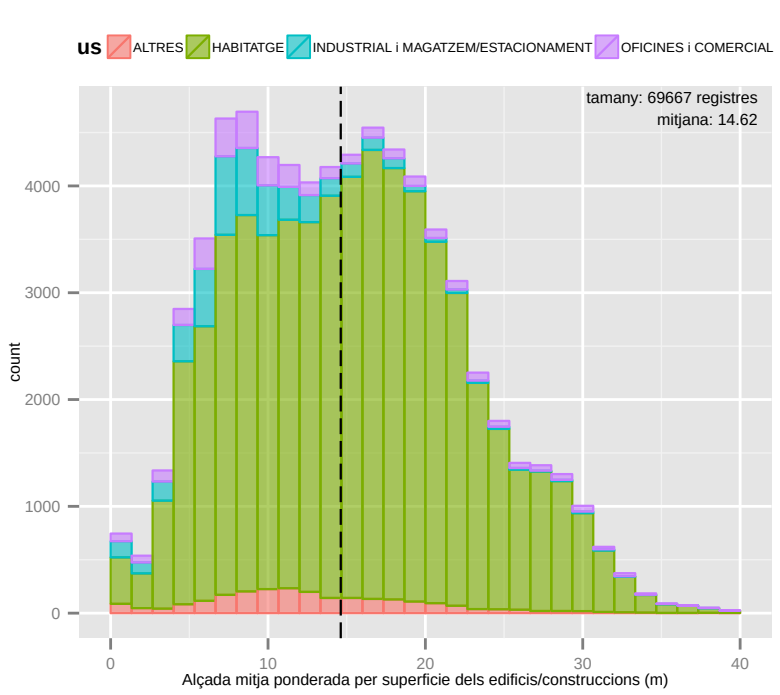


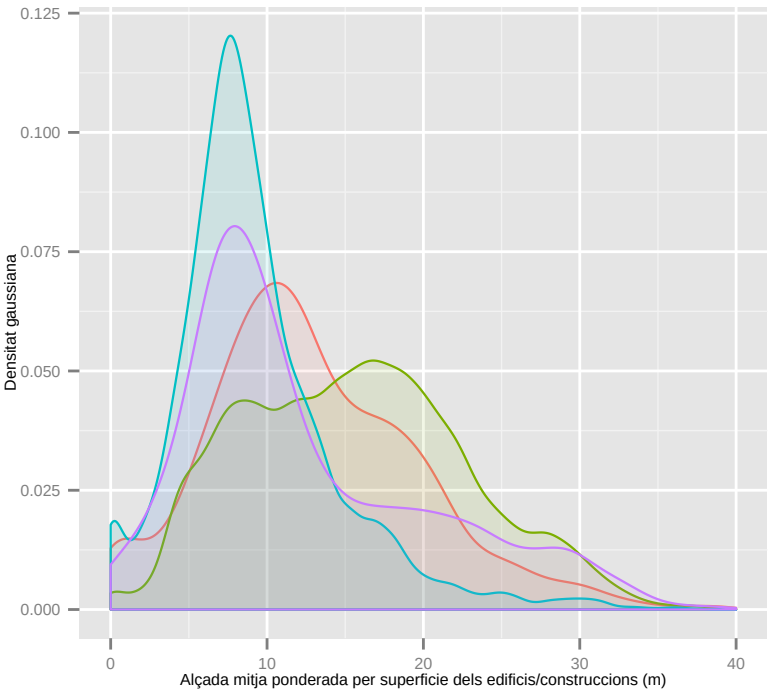


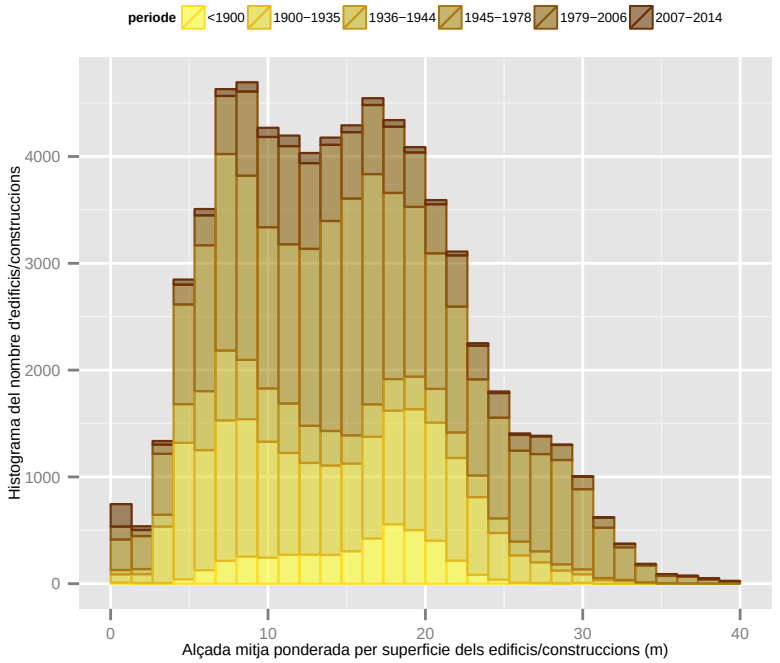


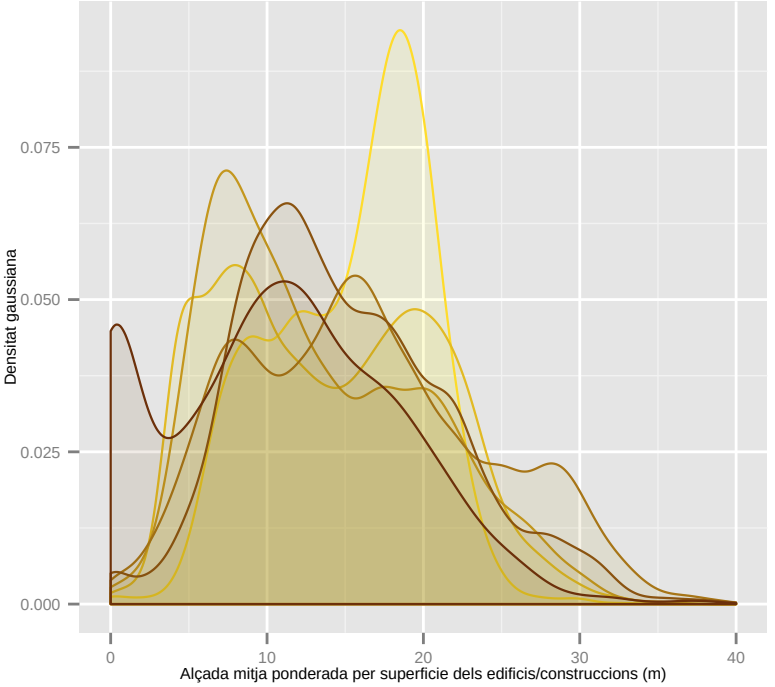
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

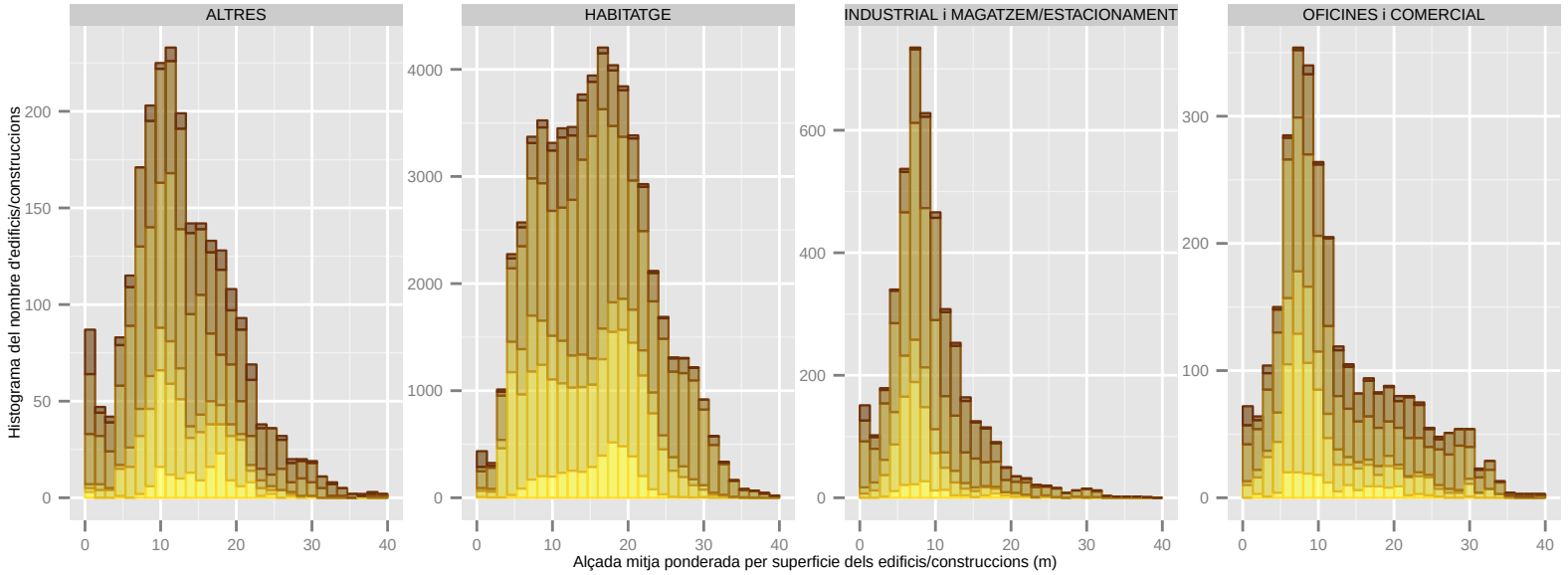
Alçada mitja ponderada per superficie dels edificis/construccions (m): BARCELONA











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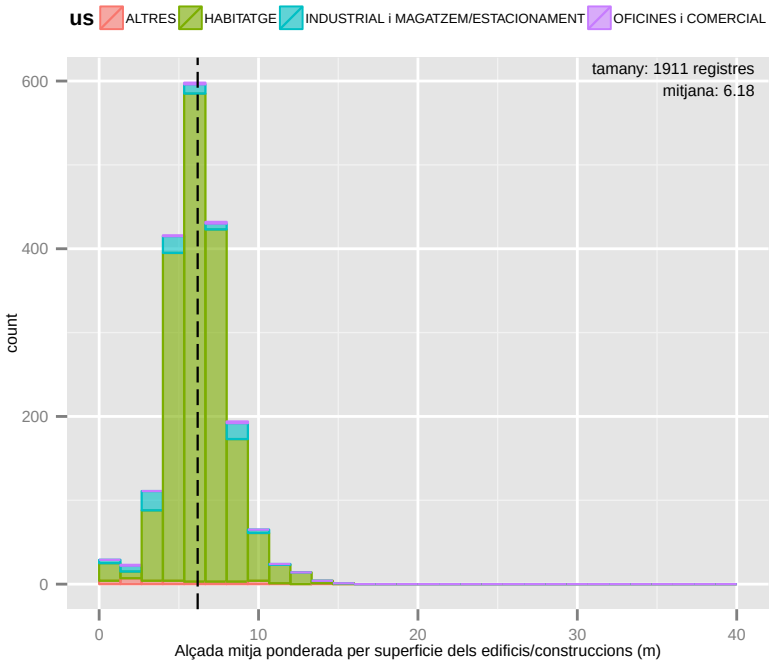
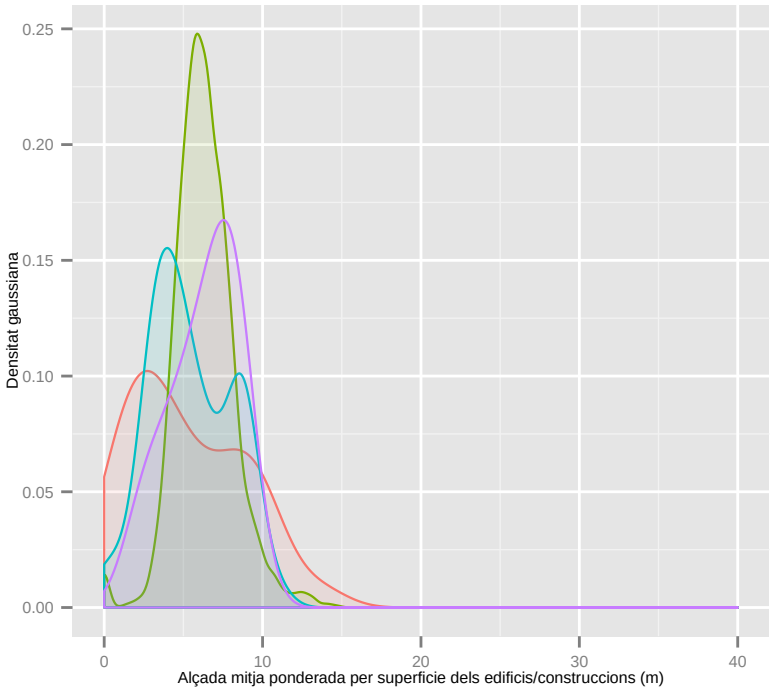
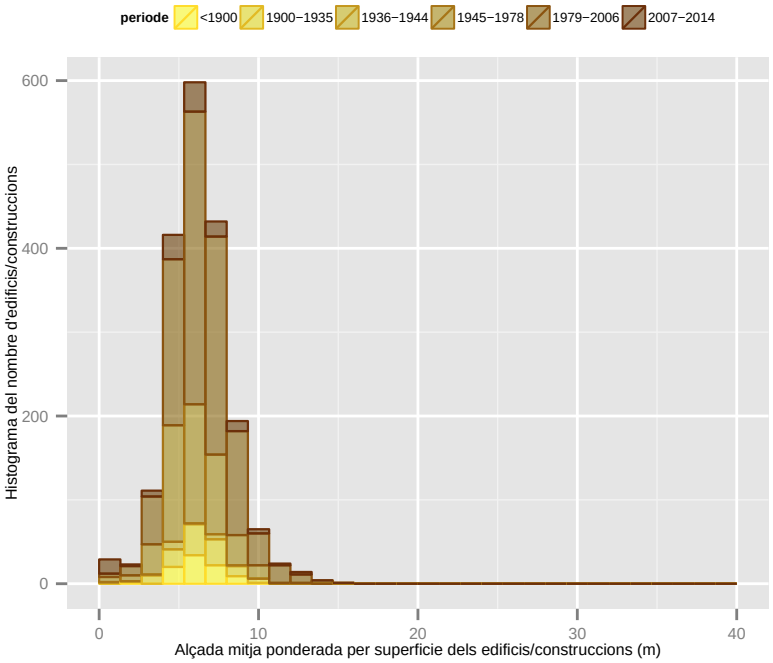
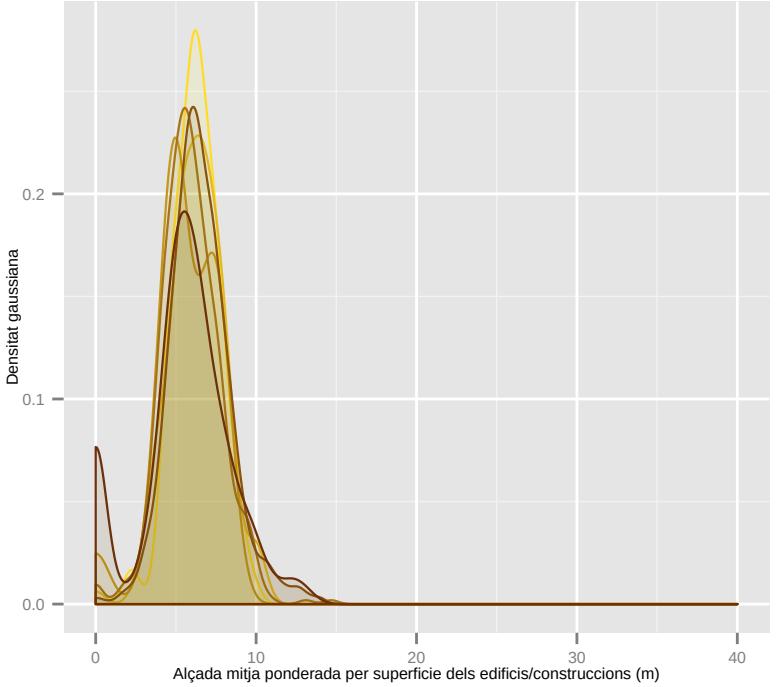
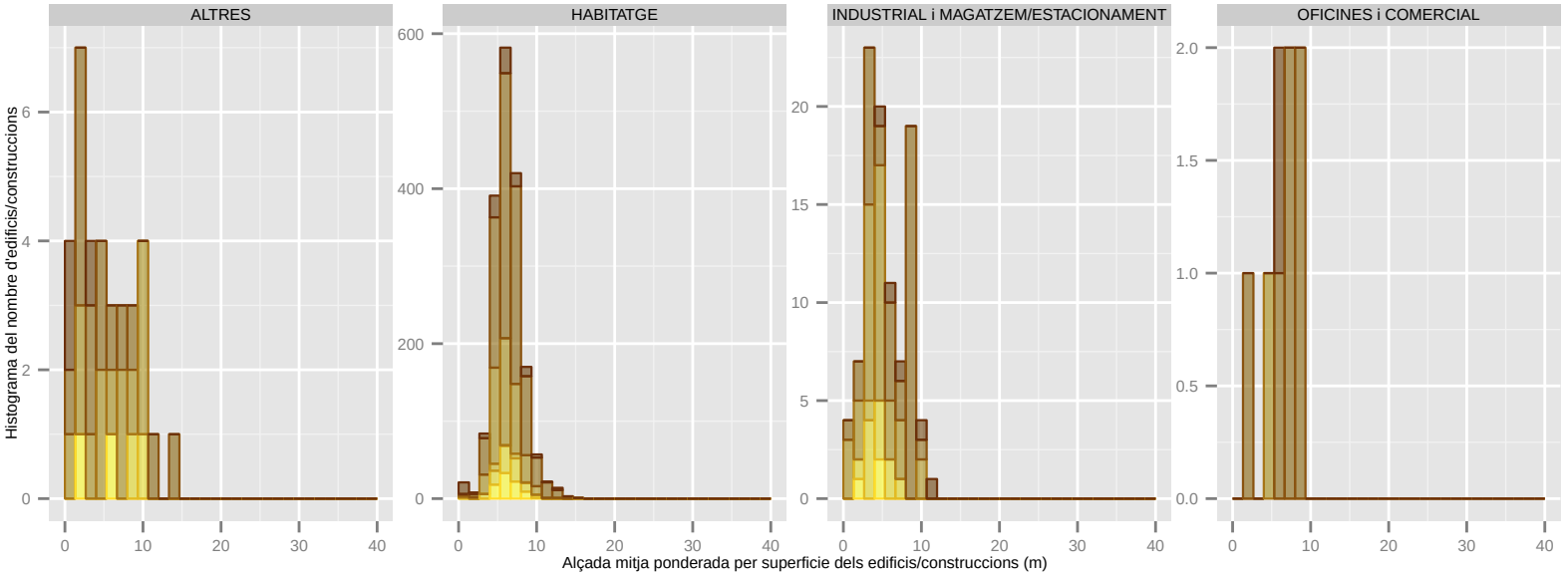
Alçada mitja ponderada per superficie dels edificis/construccions (m): BEGUES





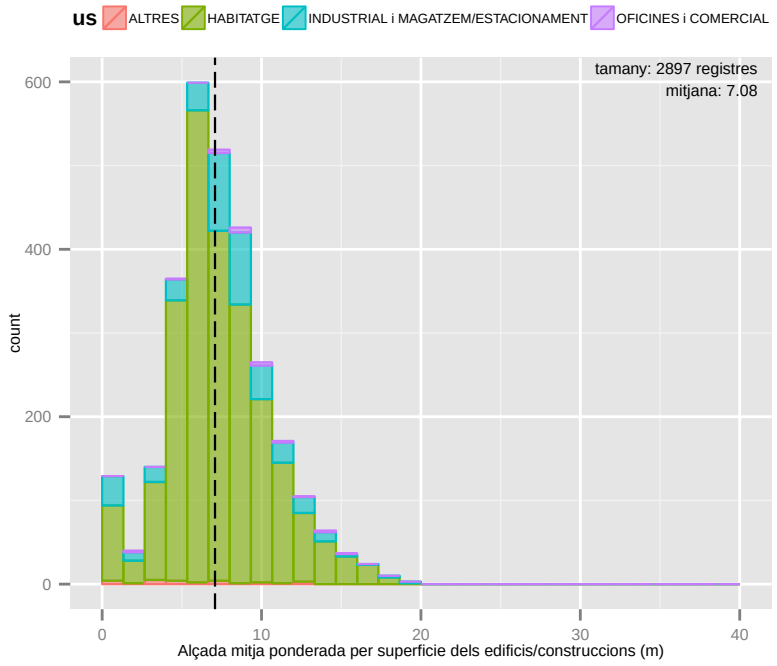


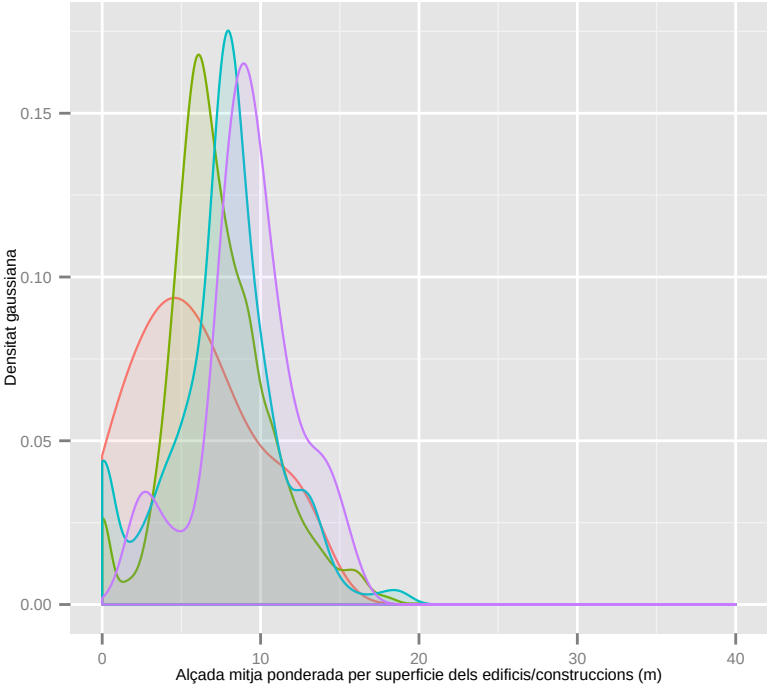


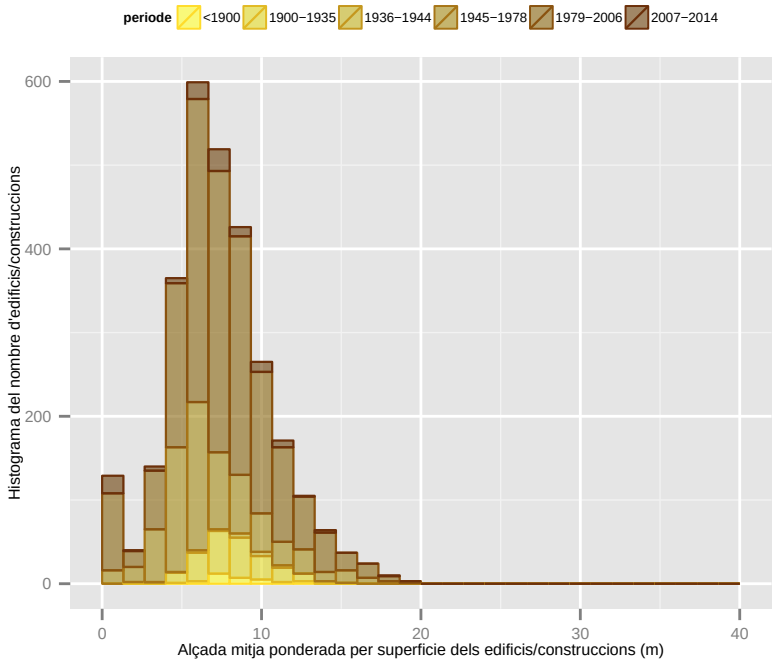


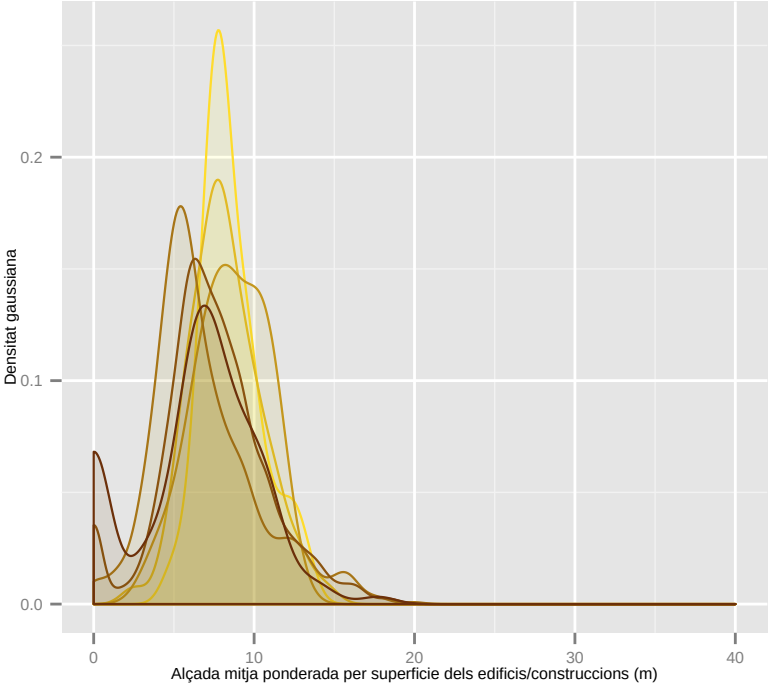
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

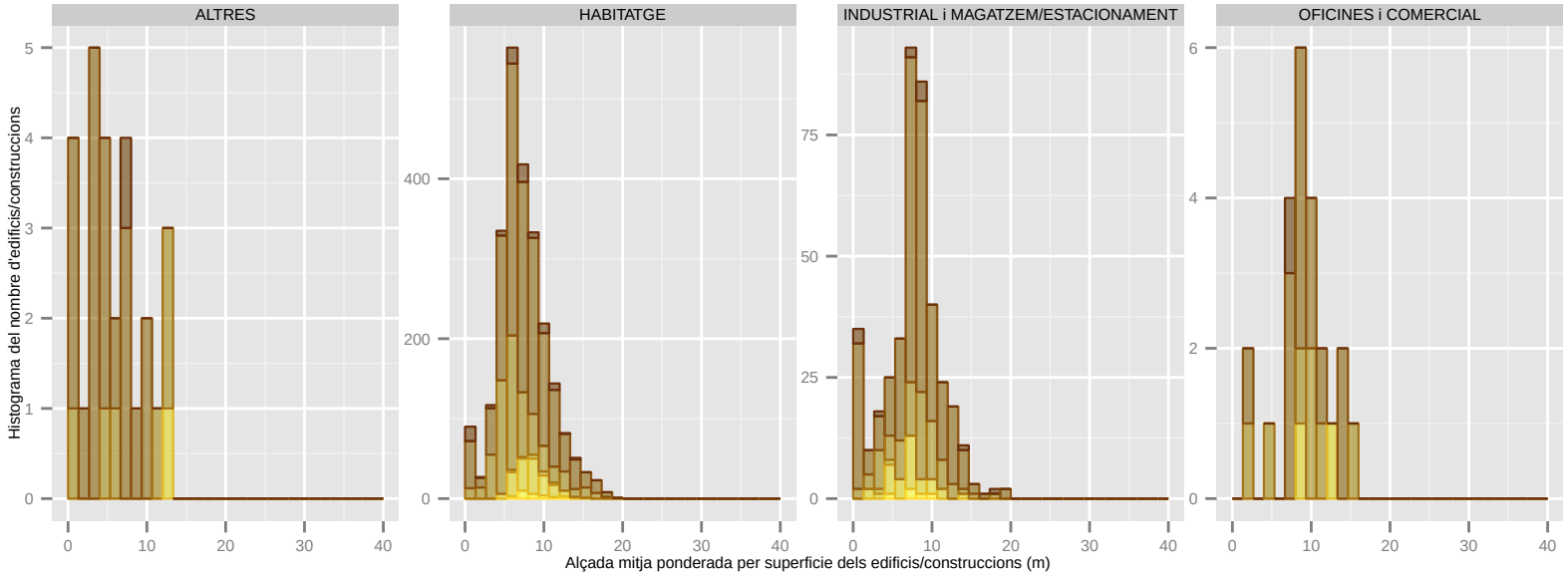
Alçada mitja ponderada per superficie dels edificis/construccions (m): CASTELLBISBAL





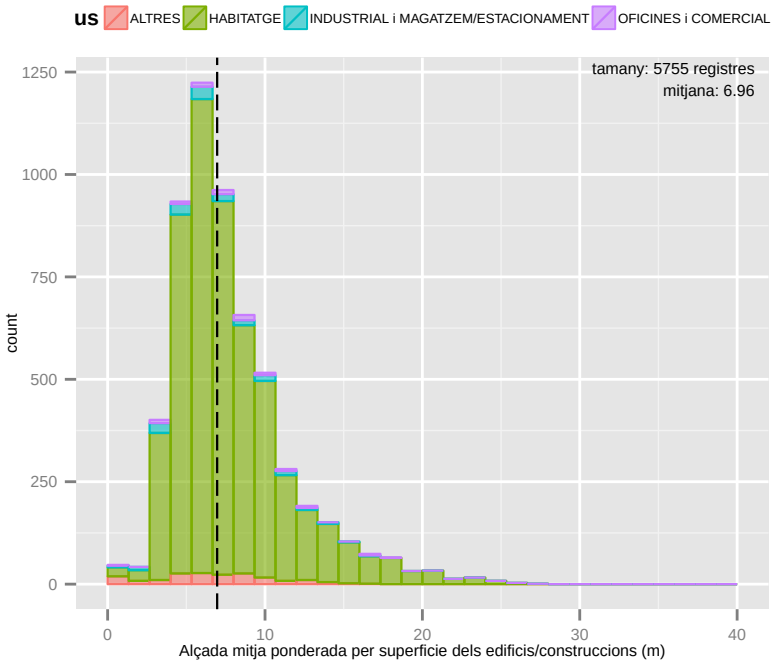


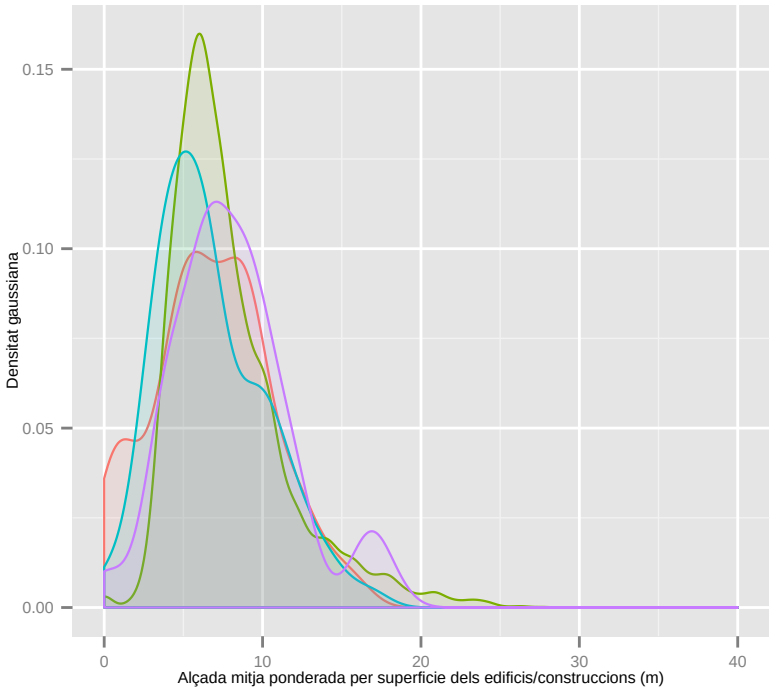


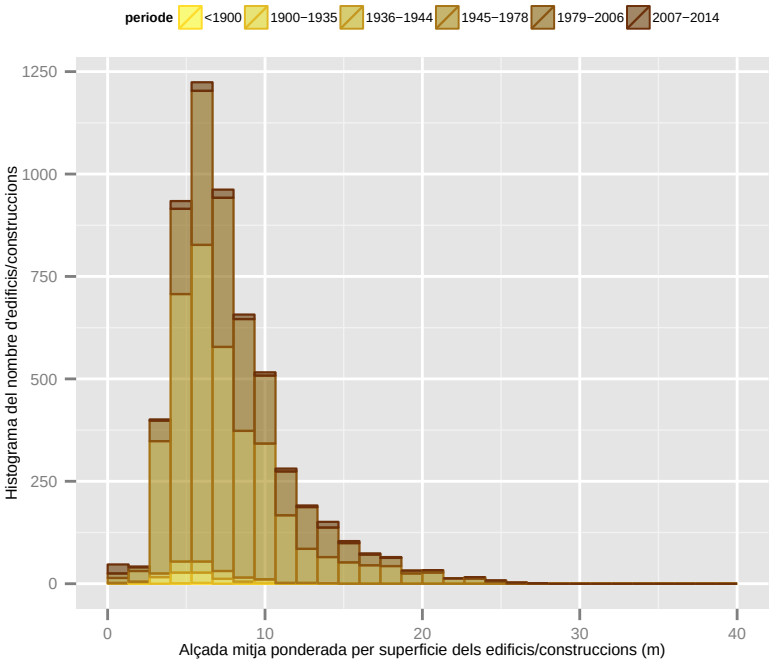


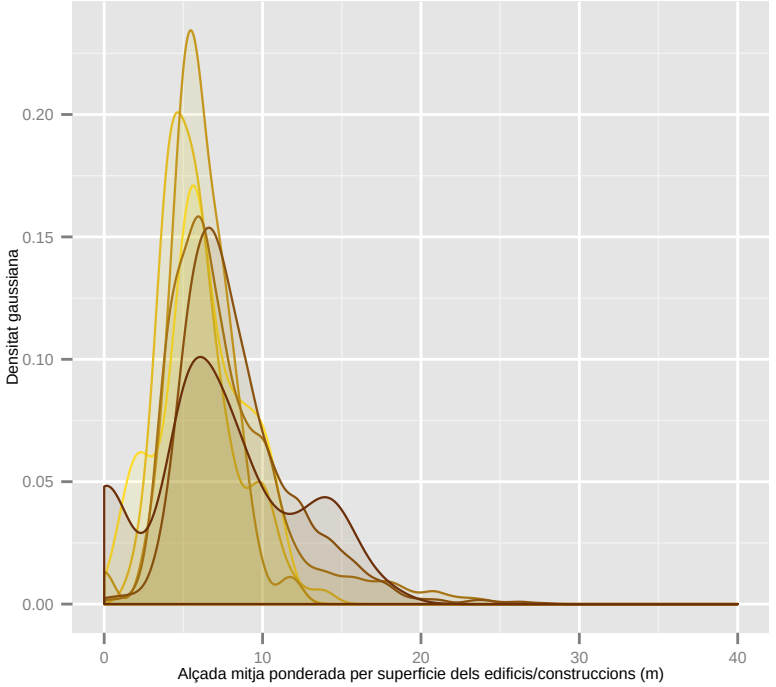
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

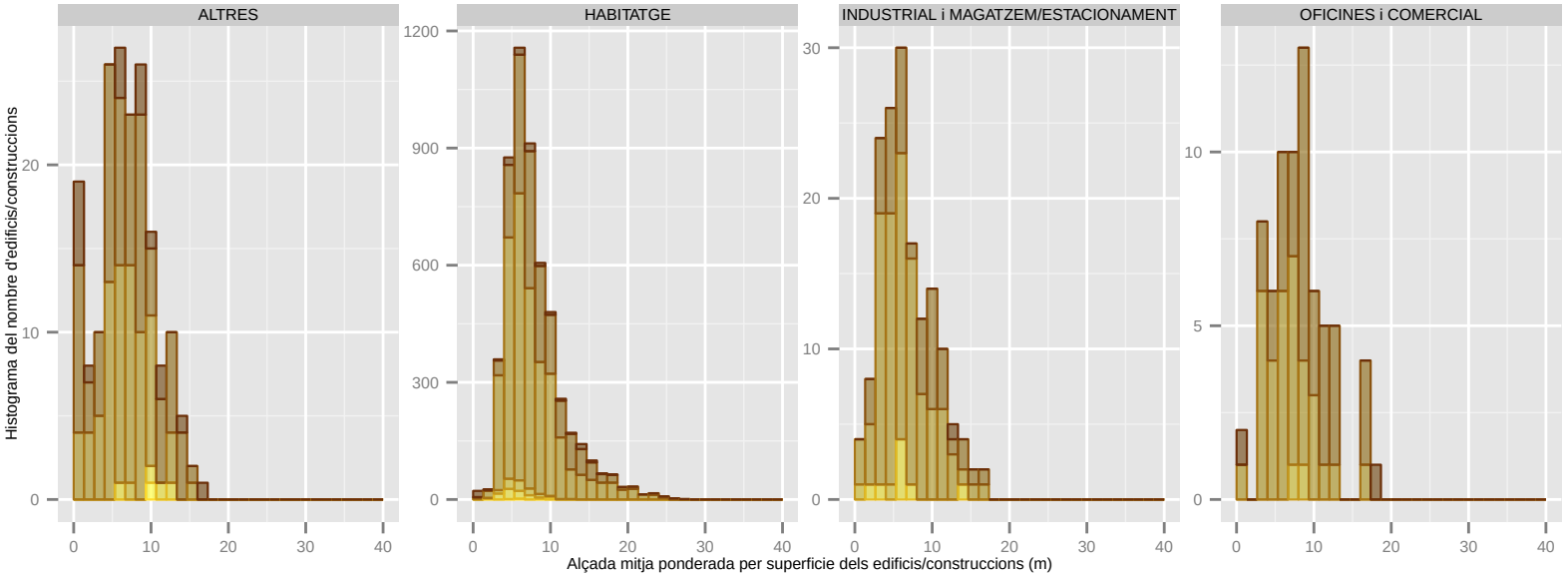
Alçada mitja ponderada per superficie dels edificis/construccions (m): CASTELLDEFELS





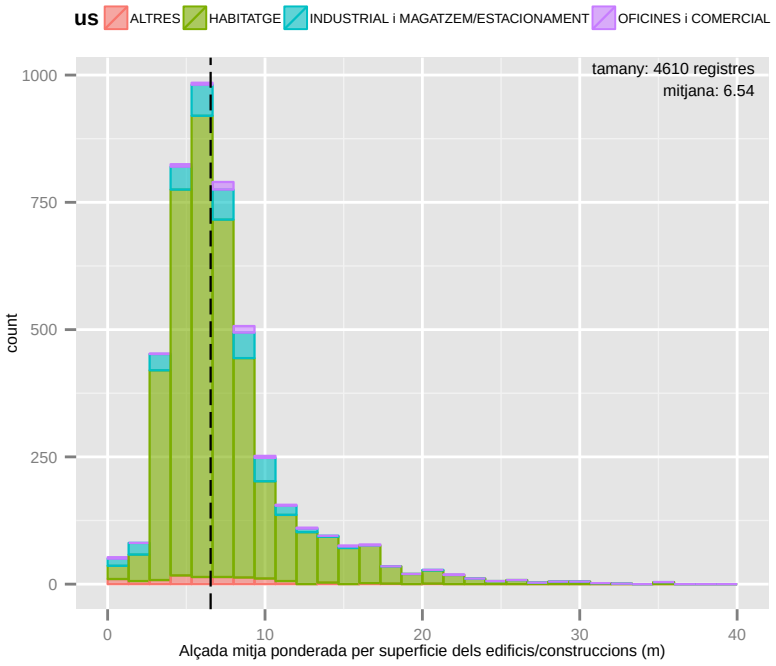


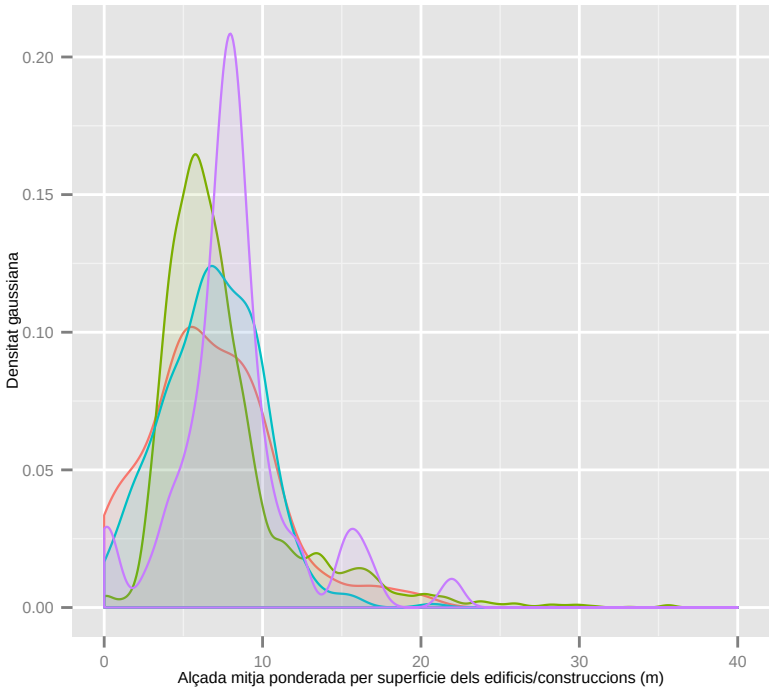


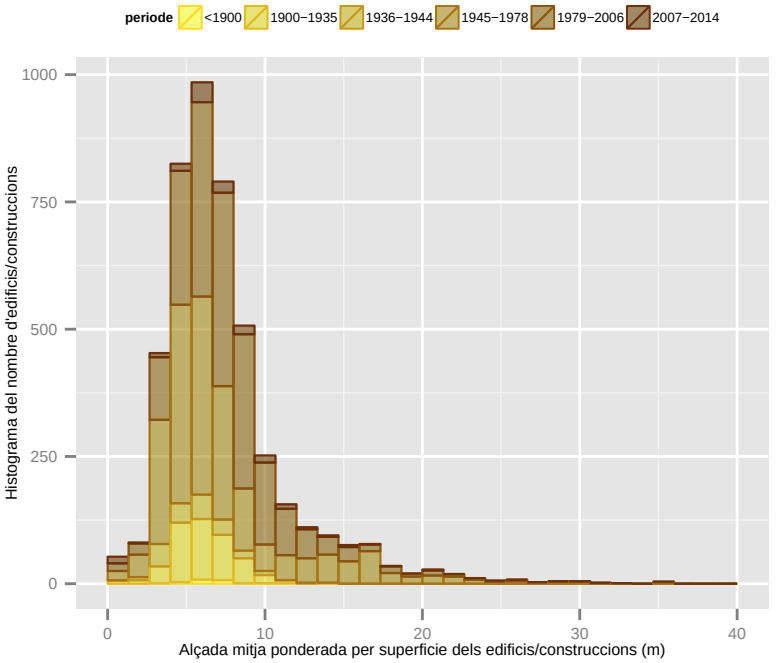


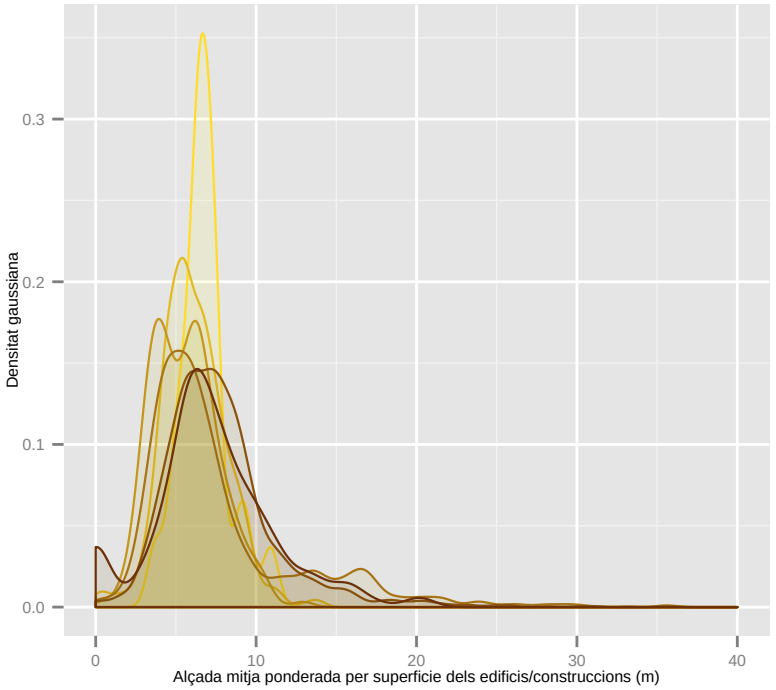
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

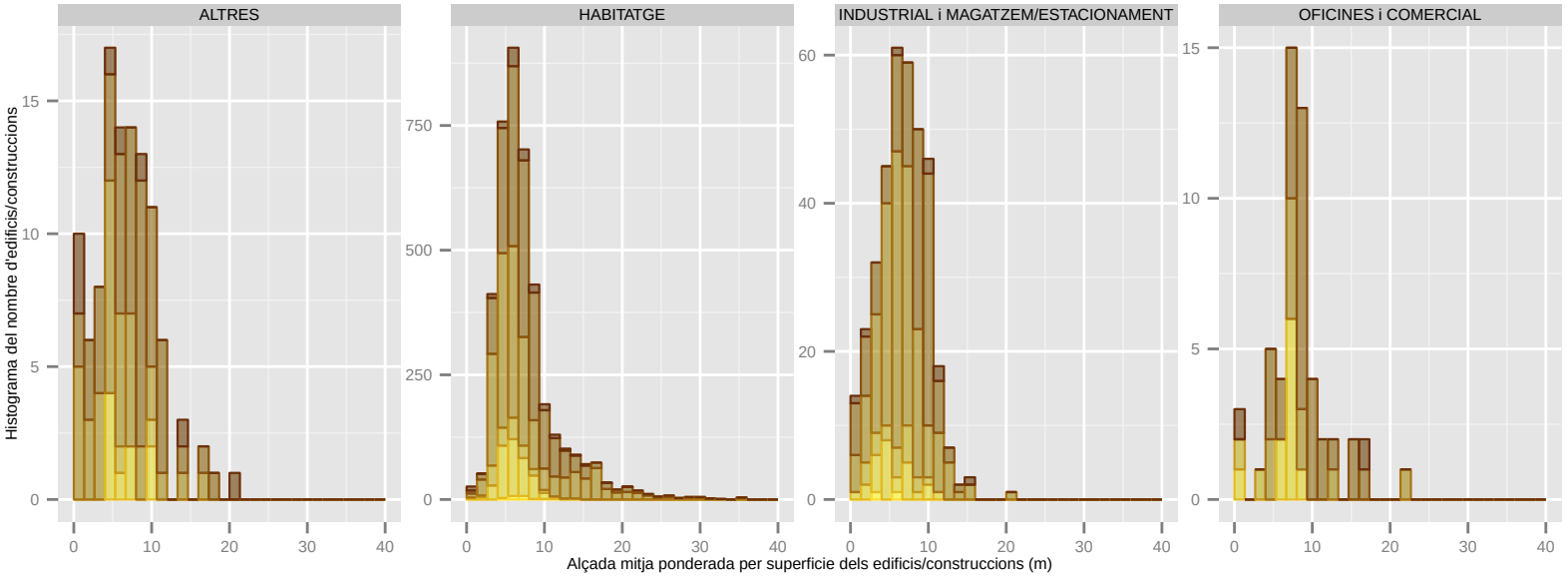
lçada mitja ponderada per superficie dels edificis/construccions (m): CERDANYOLA DEL VALLE





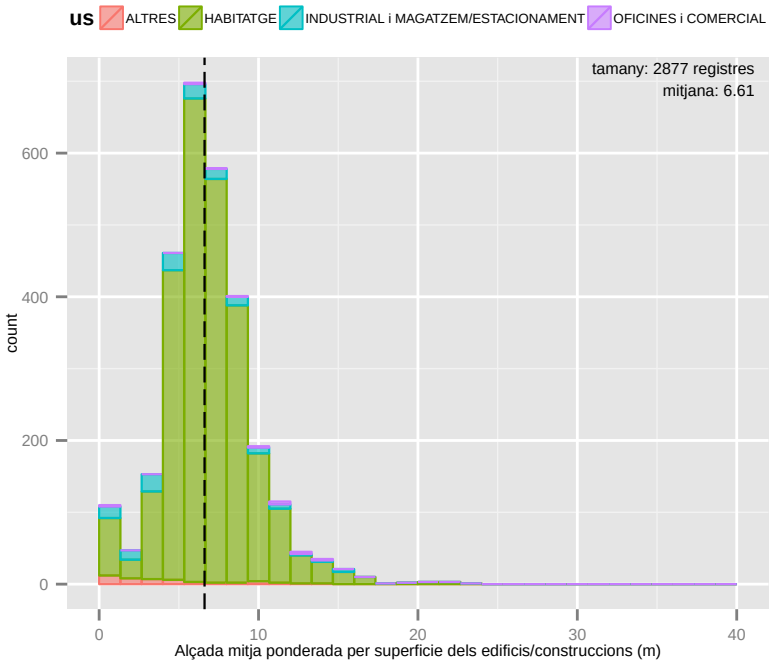


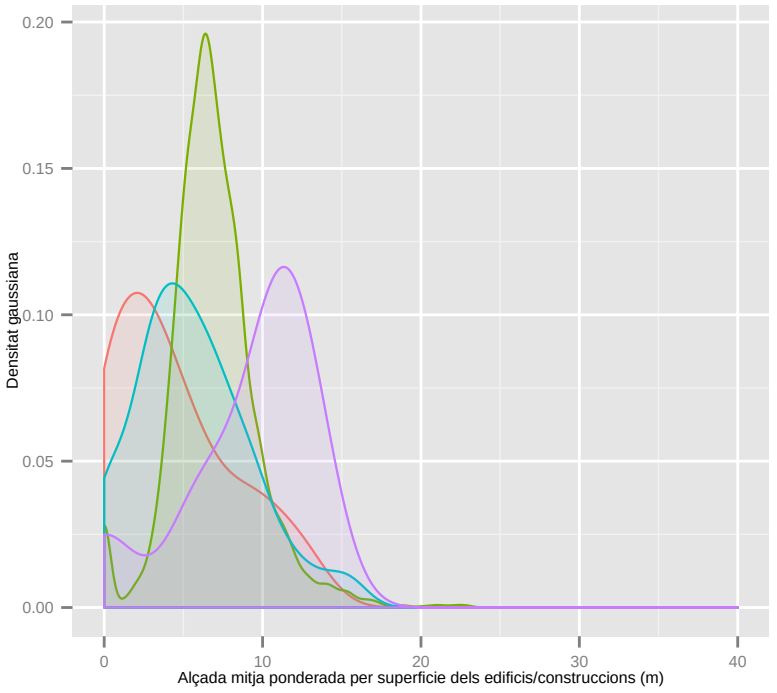


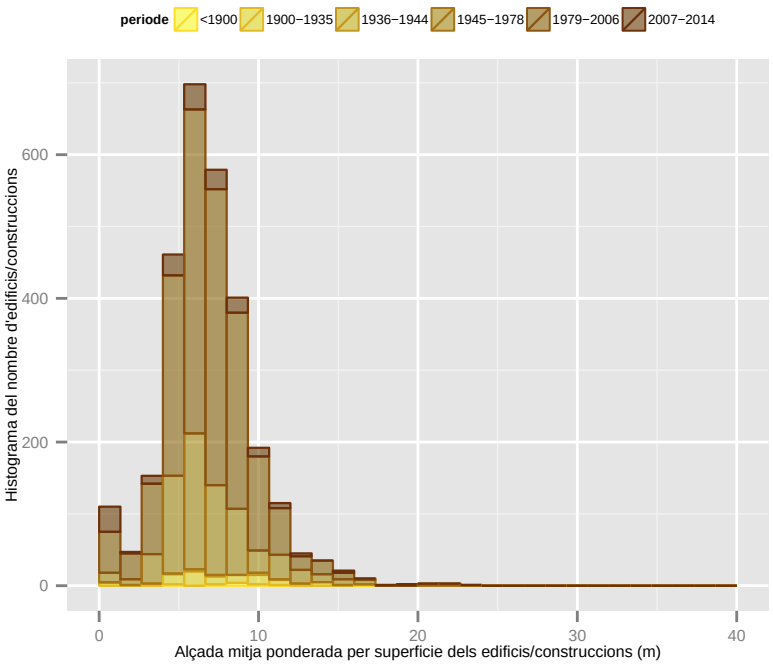


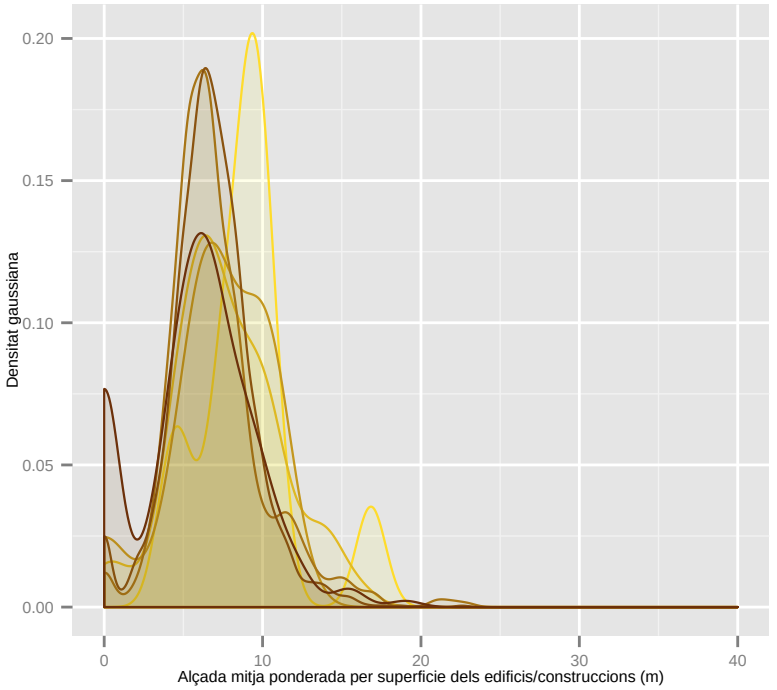
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

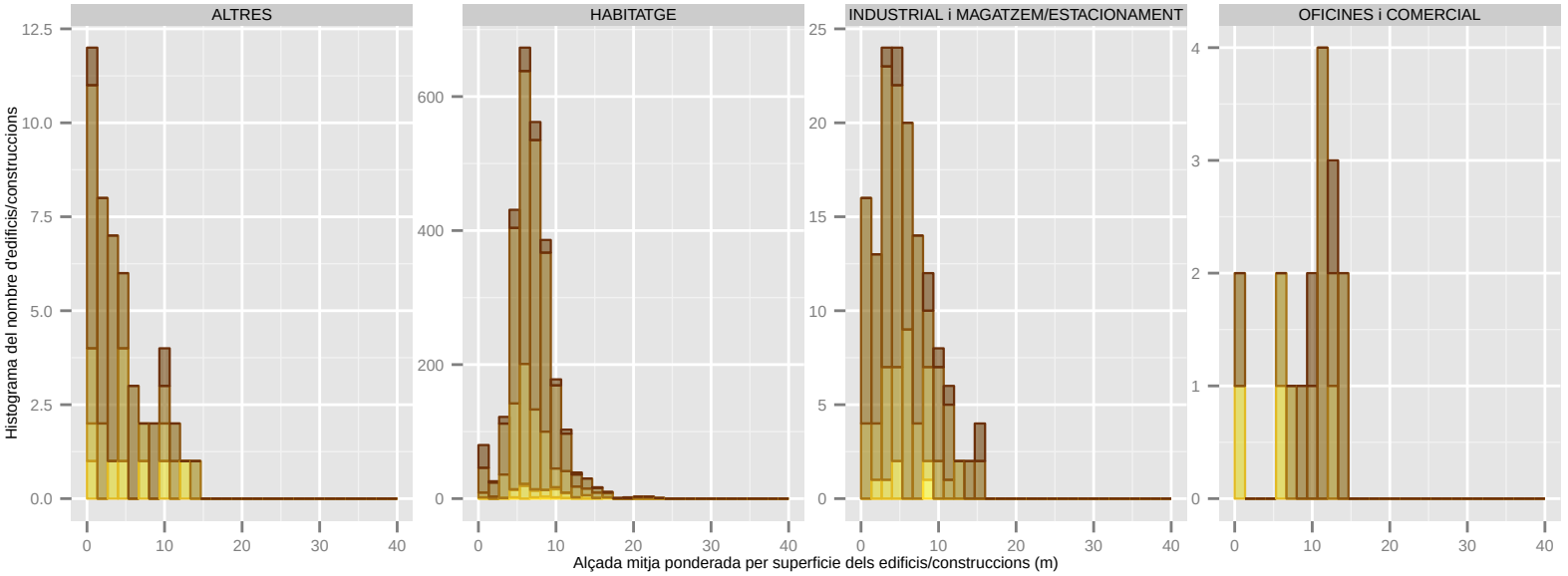
Alçada mitja ponderada per superficie dels edificis/construccions (m): CERVELLO











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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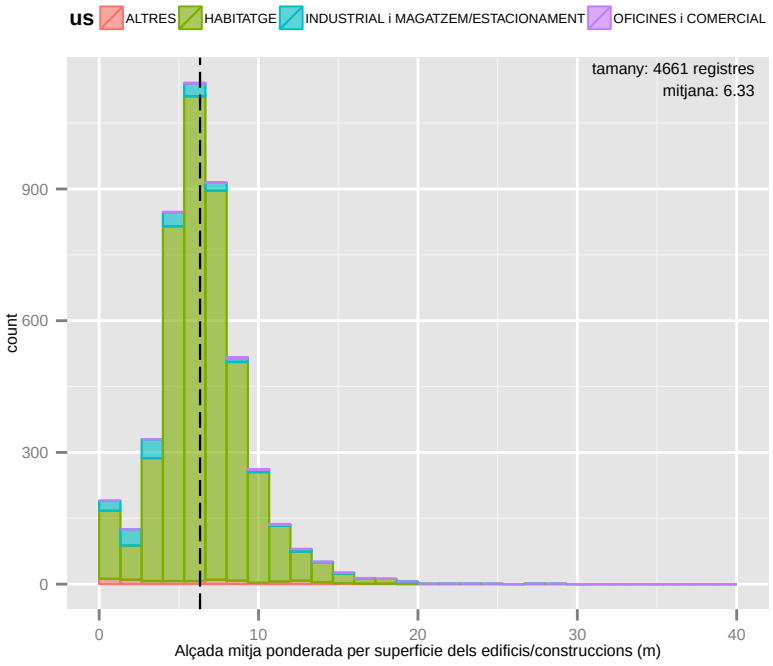
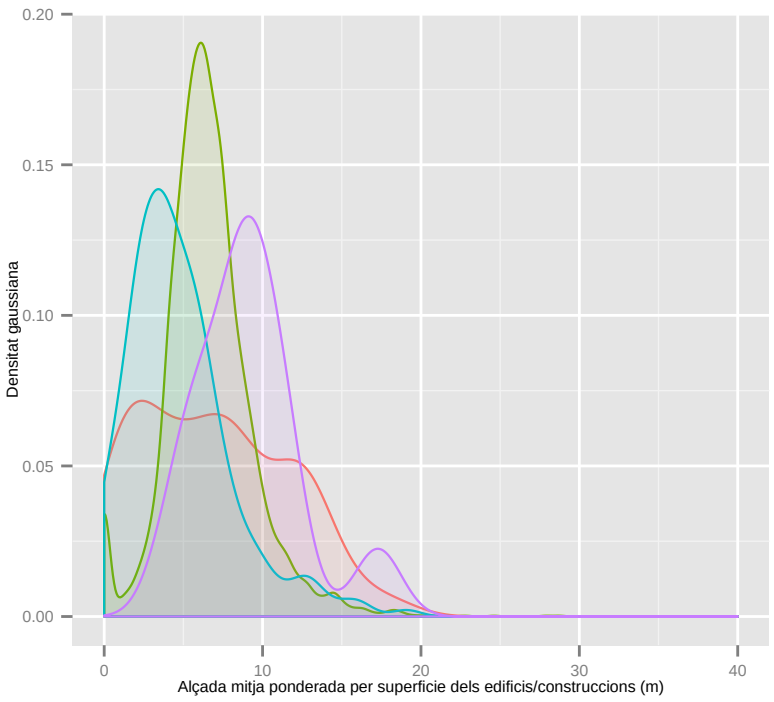
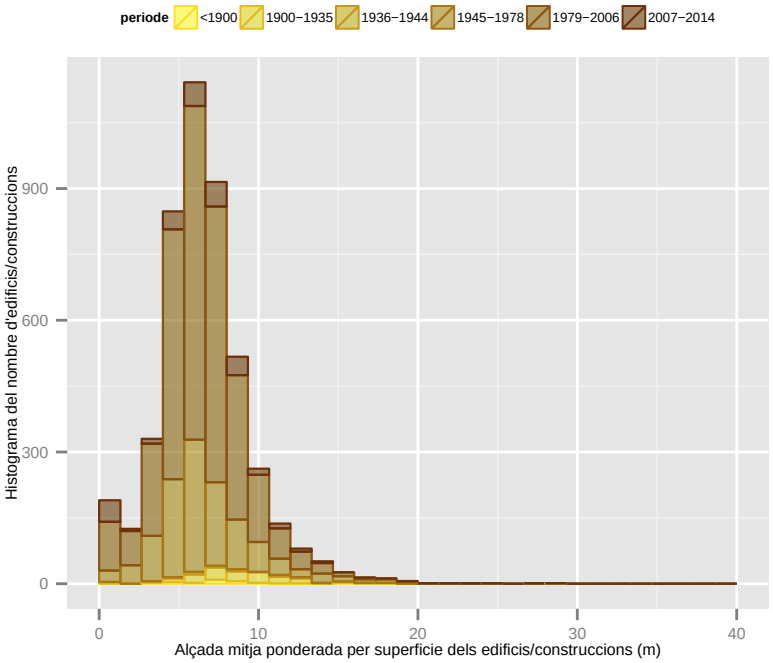
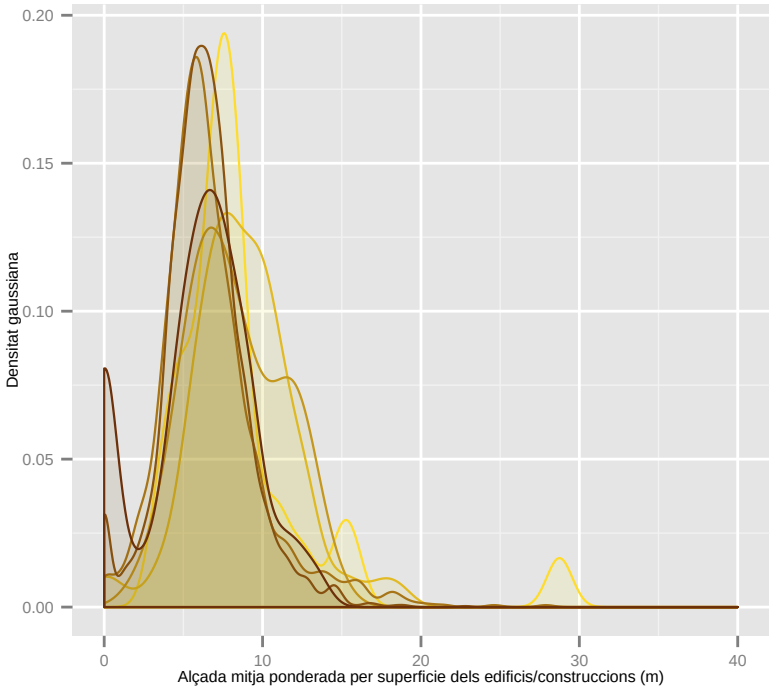
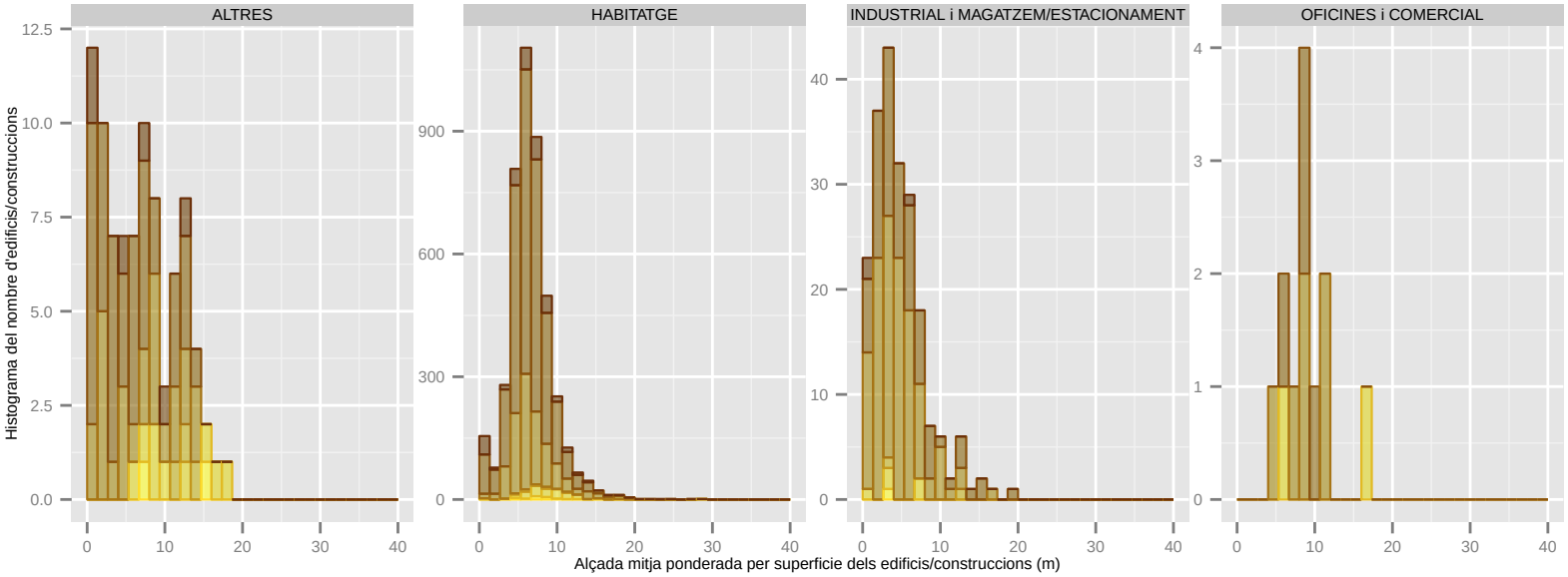
Alçada mitja ponderada per superficie dels edificis/construccions (m): CORBERA DE LLOBREGAT





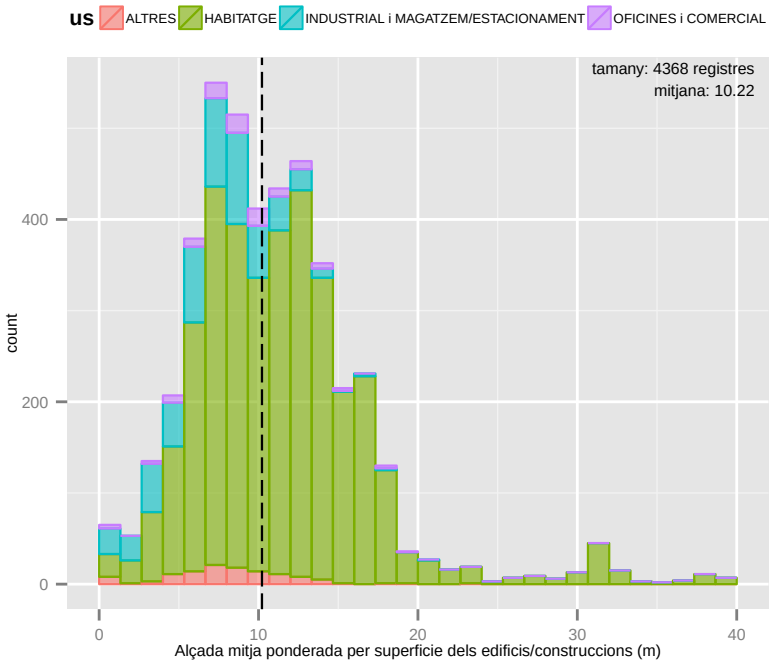


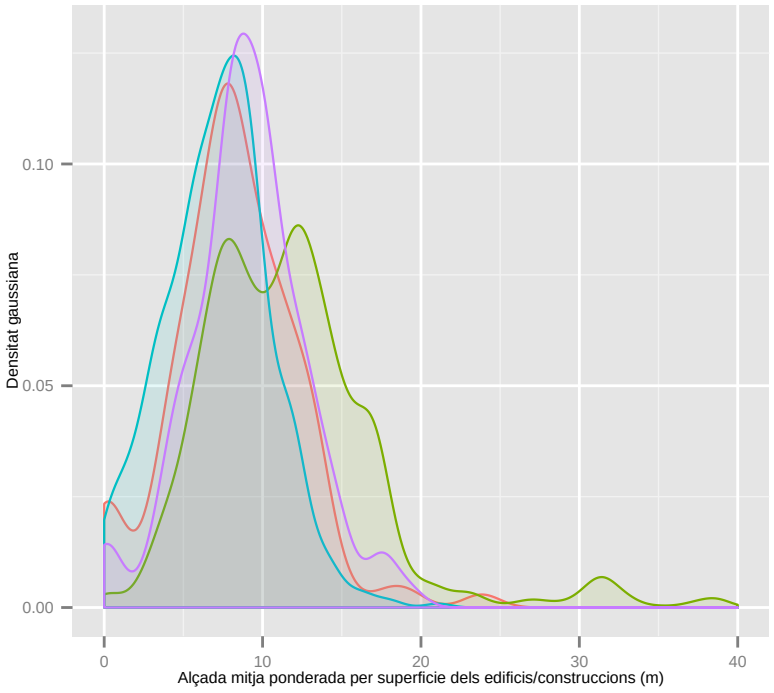


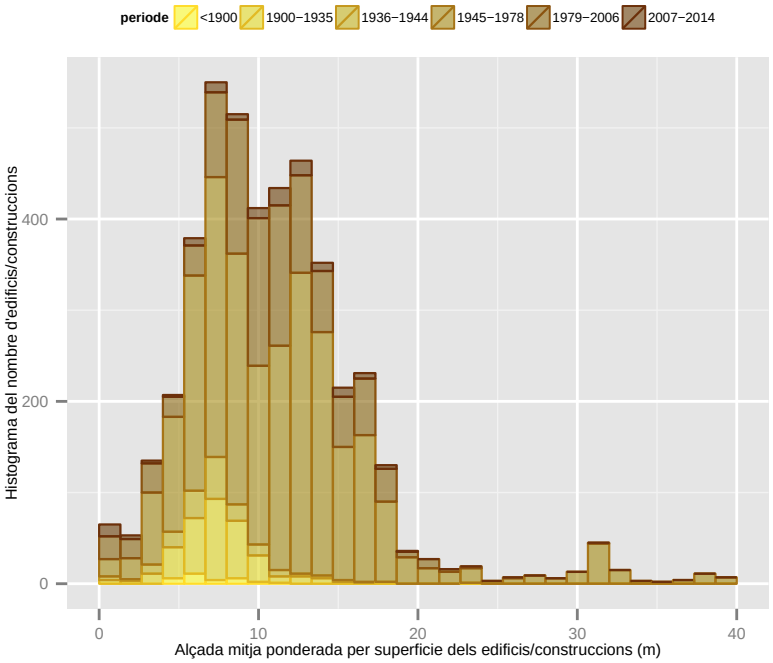


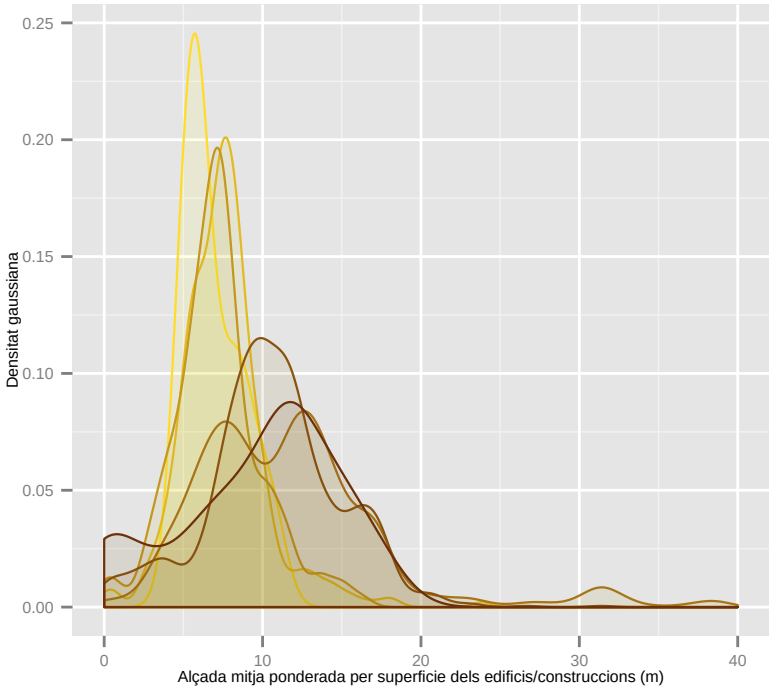
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

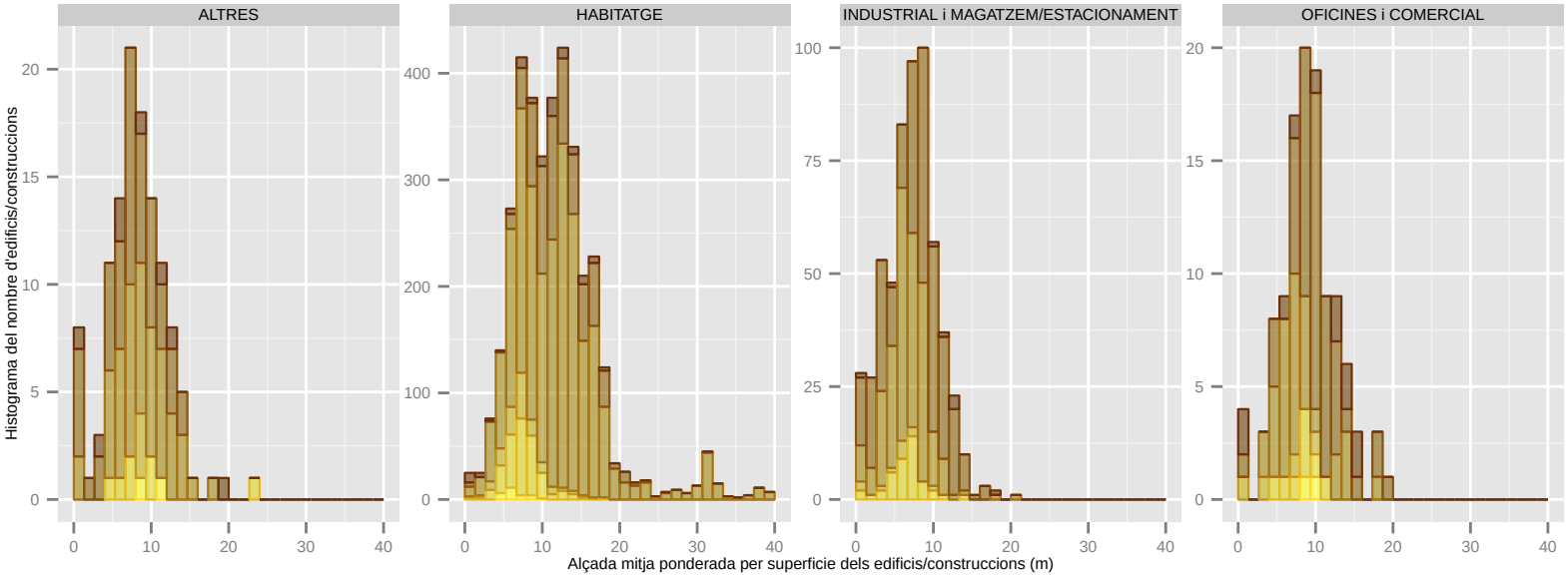
lçada mitja ponderada per superficie dels edificis/construccions (m): CORNELLA DE LLOBREGA





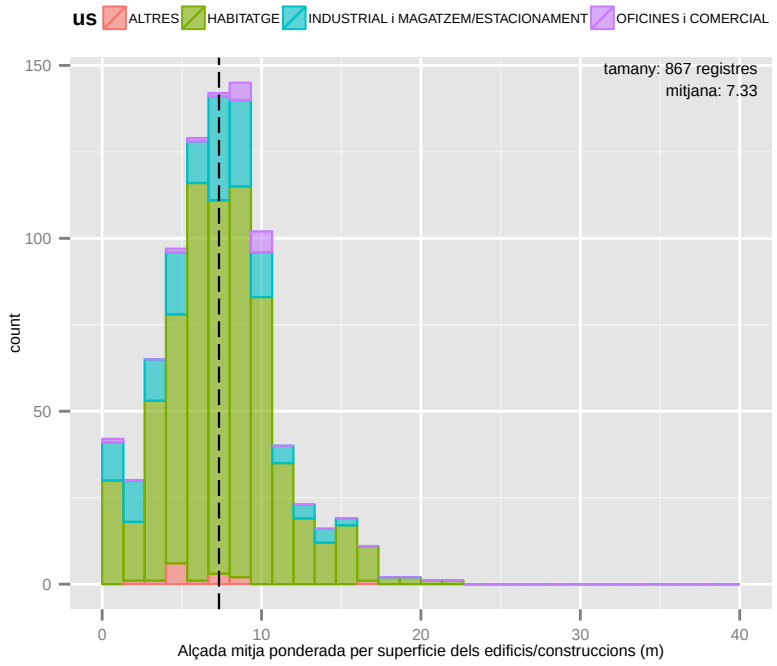


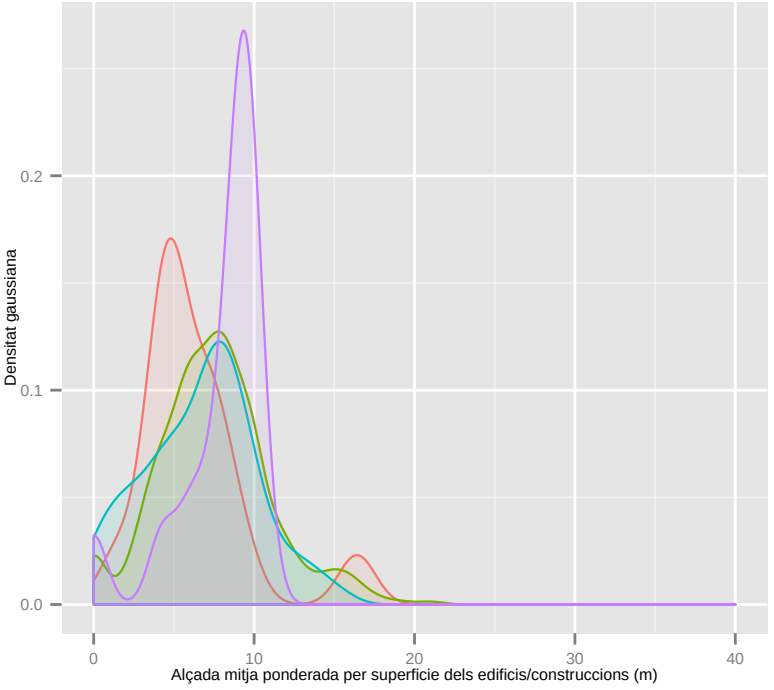


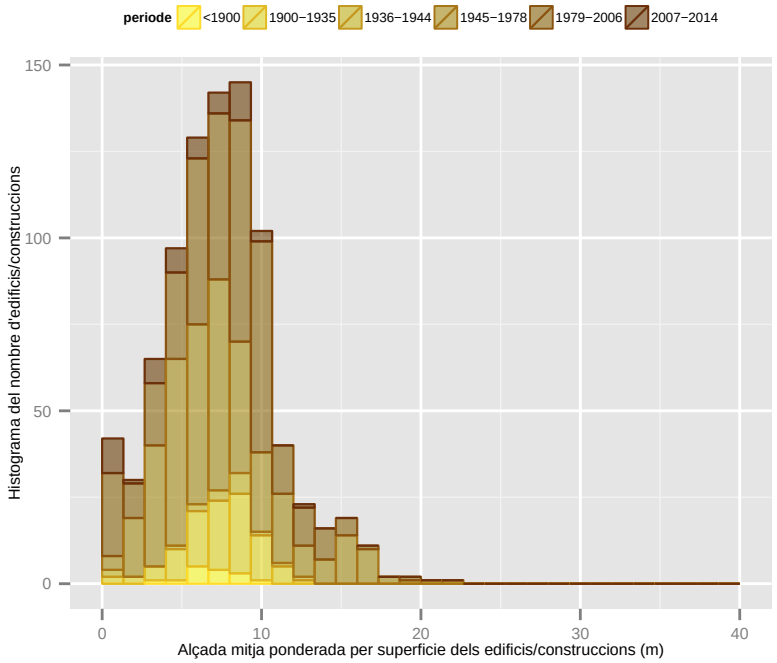


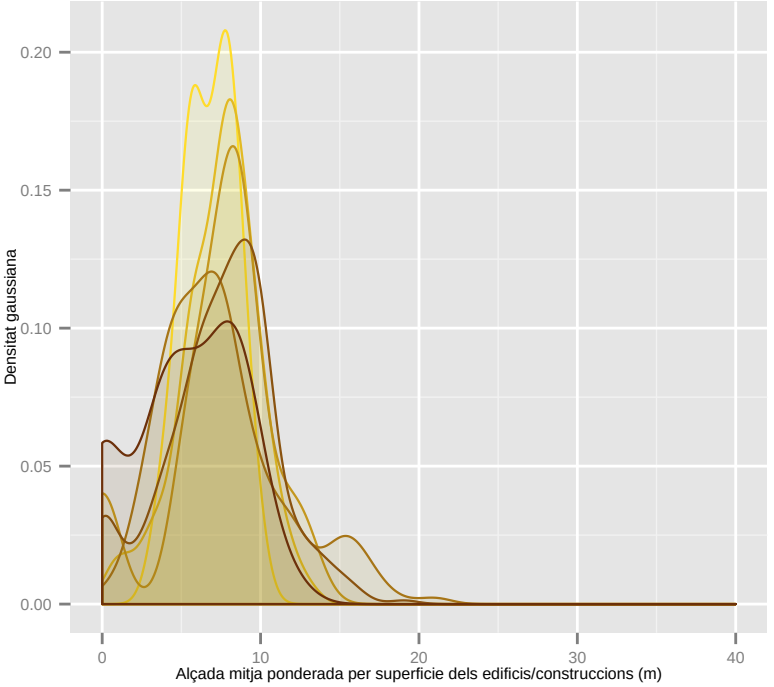
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

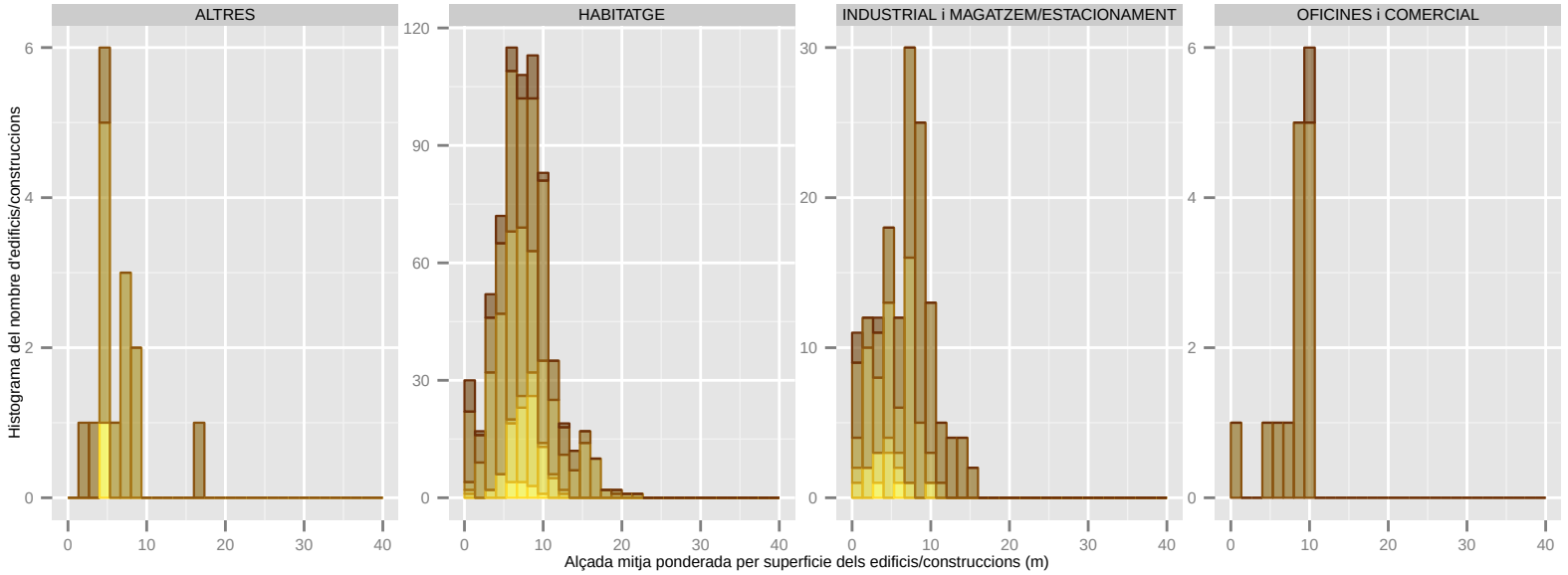
Alçada mitja ponderada per superficie dels edificis/construccions (m): EL PAPIOL











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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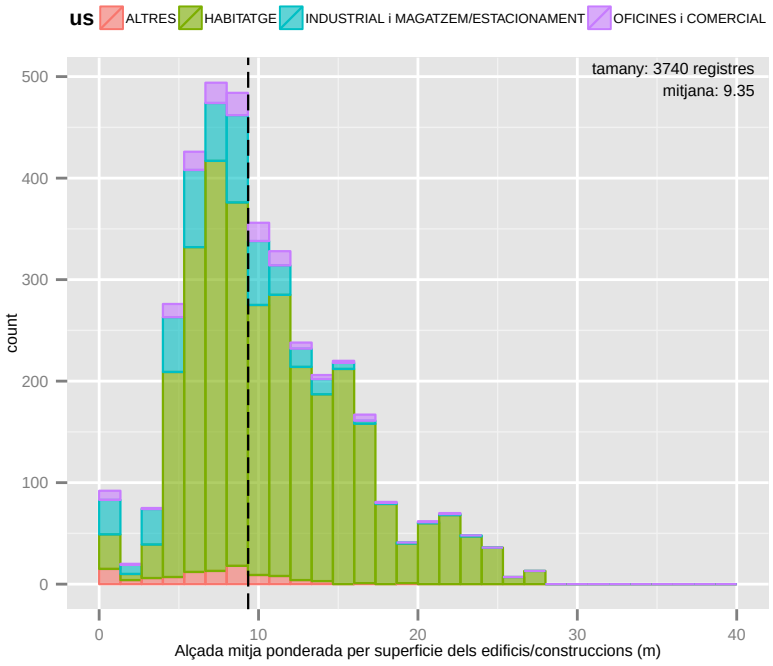
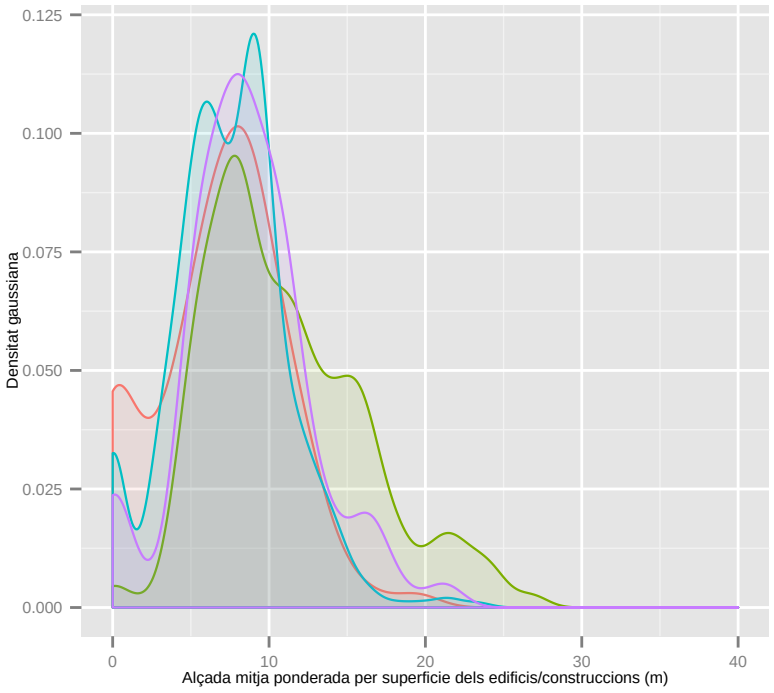
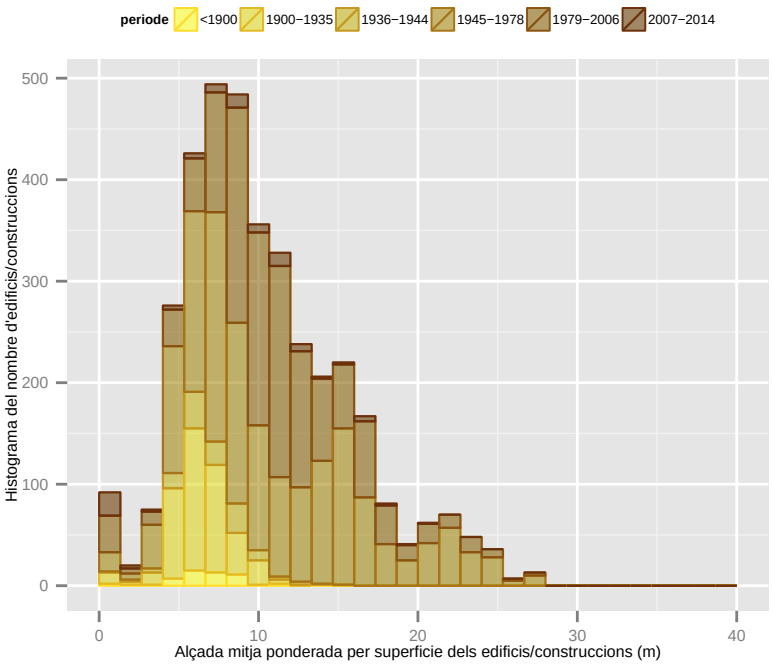
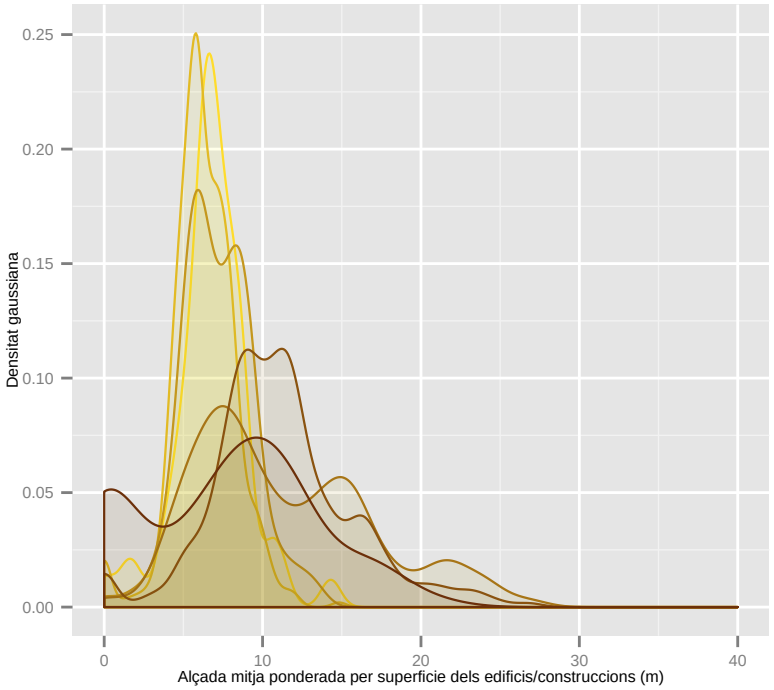
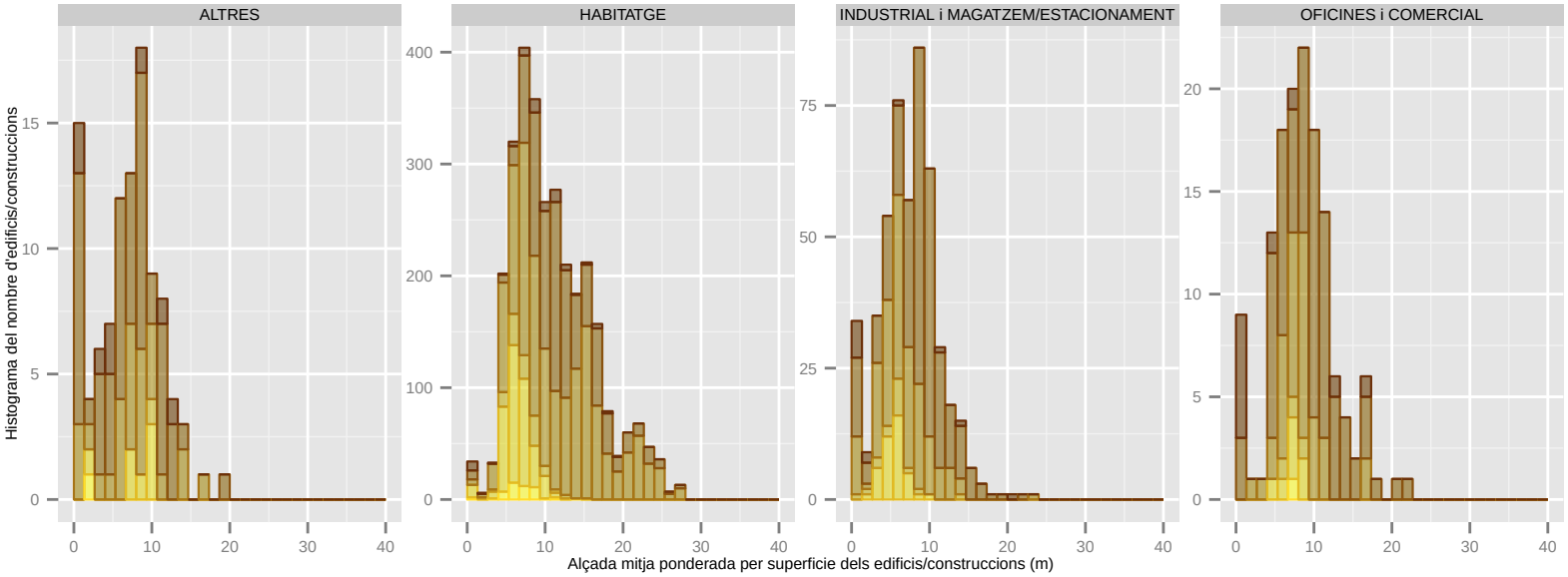
Alçada mitja ponderada per superficie dels edificis/construccions (m): EL PRAT DE LLOBREGAT





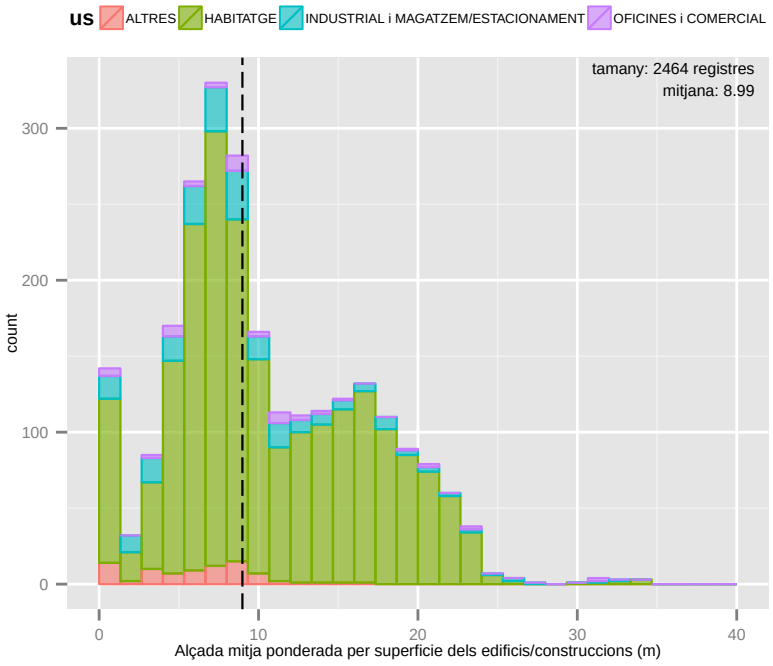


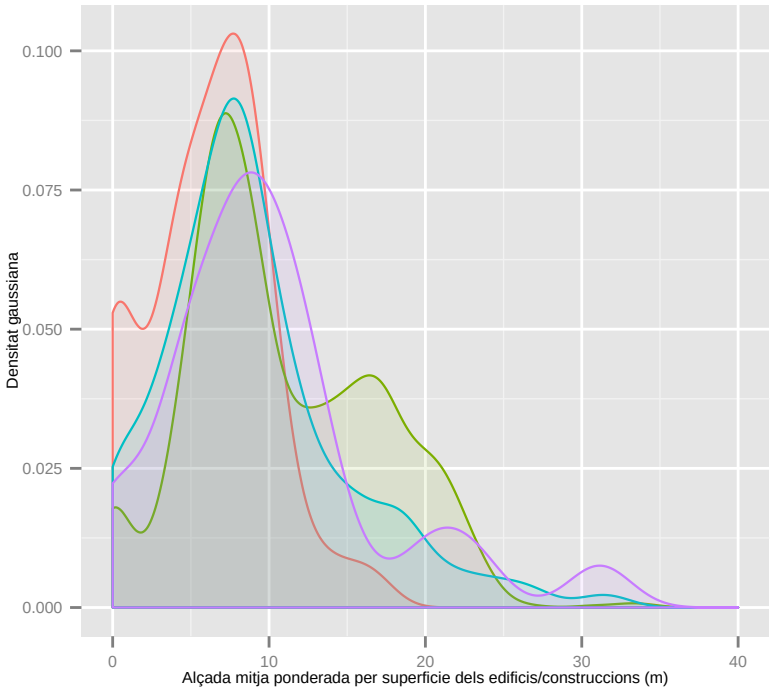


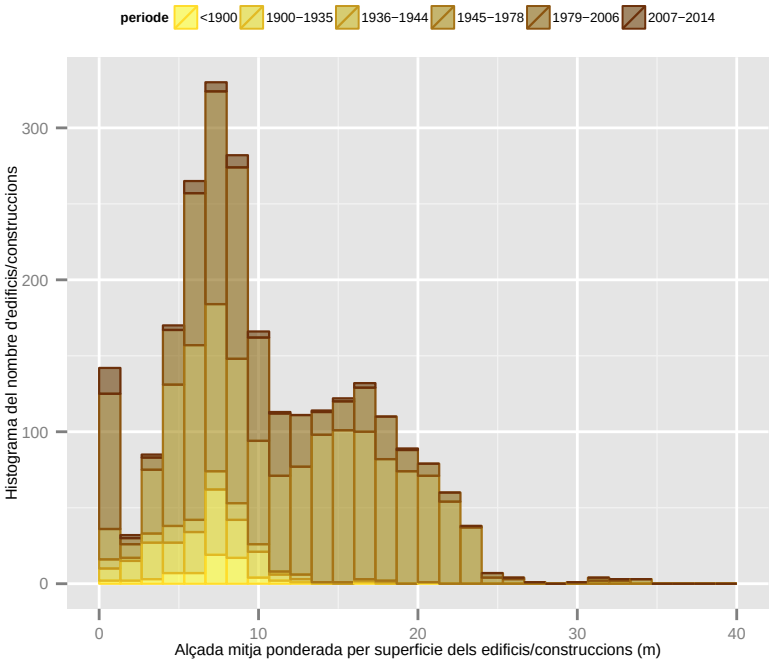


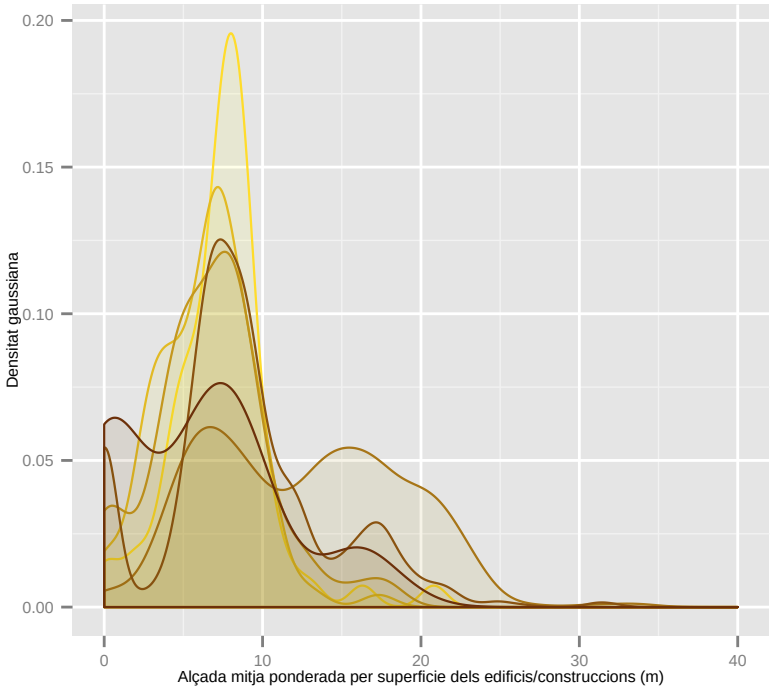
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

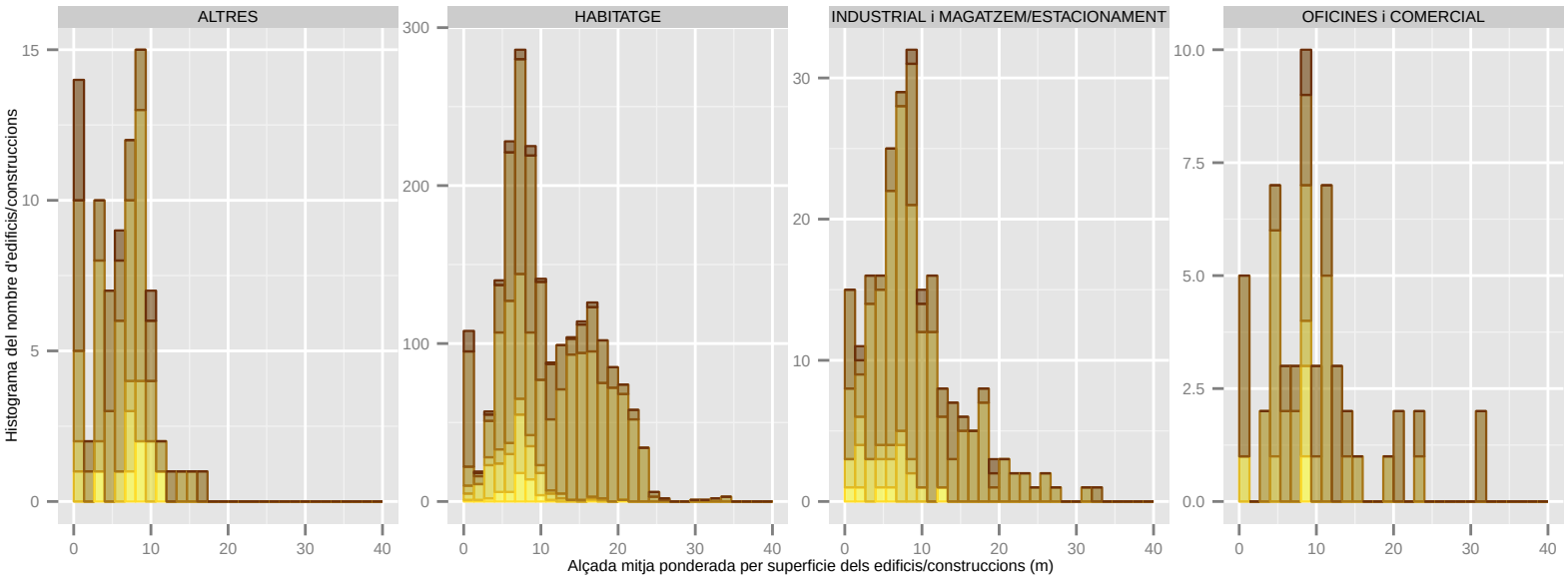
çada mitja ponderada per superficie dels edificis/construccions (m): ESPLUGUES DE LLOBREG





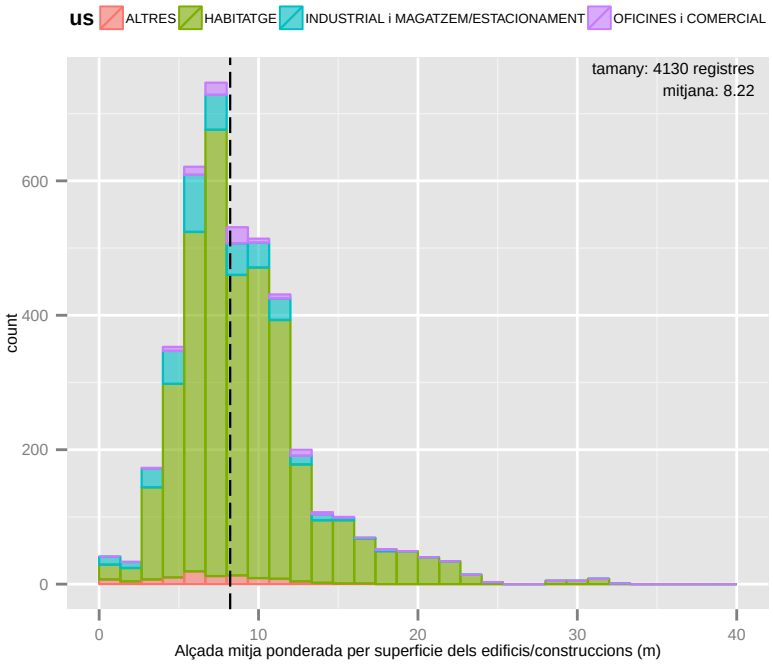


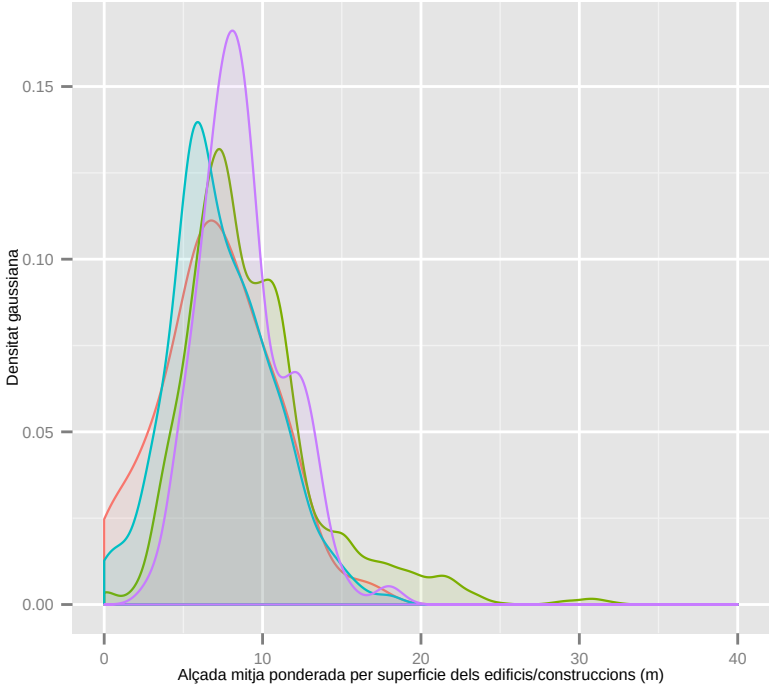


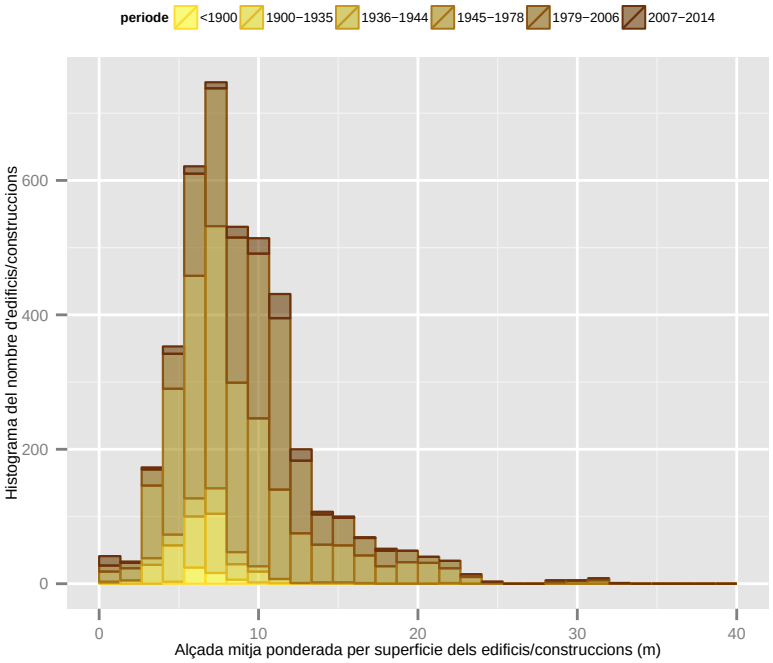


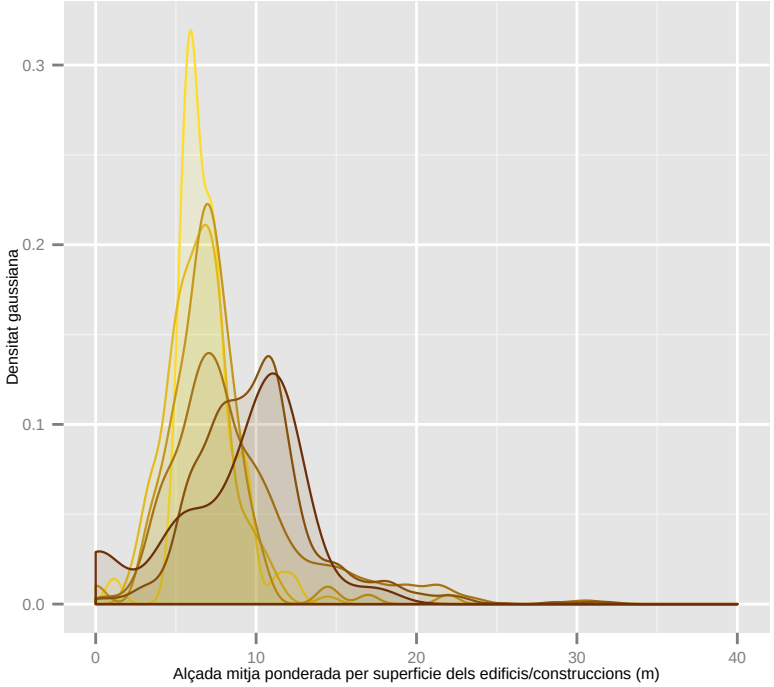
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

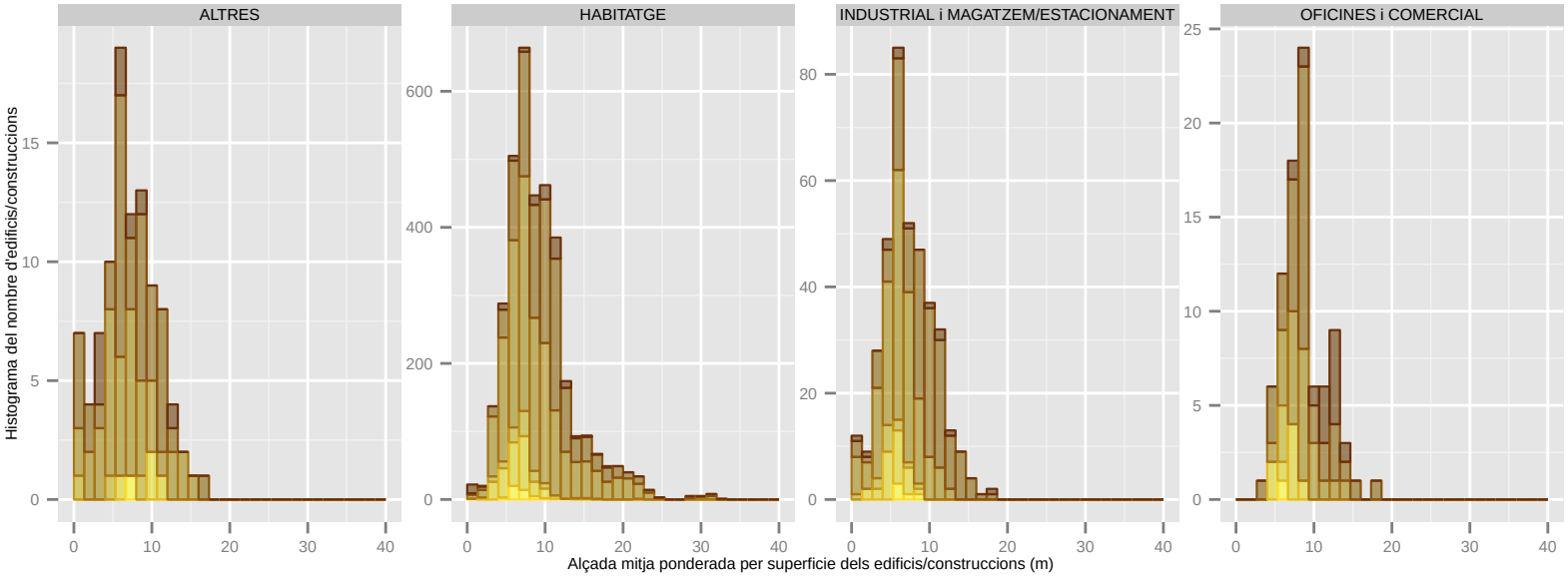
Alçada mitja ponderada per superficie dels edificis/construccions (m): GAVA





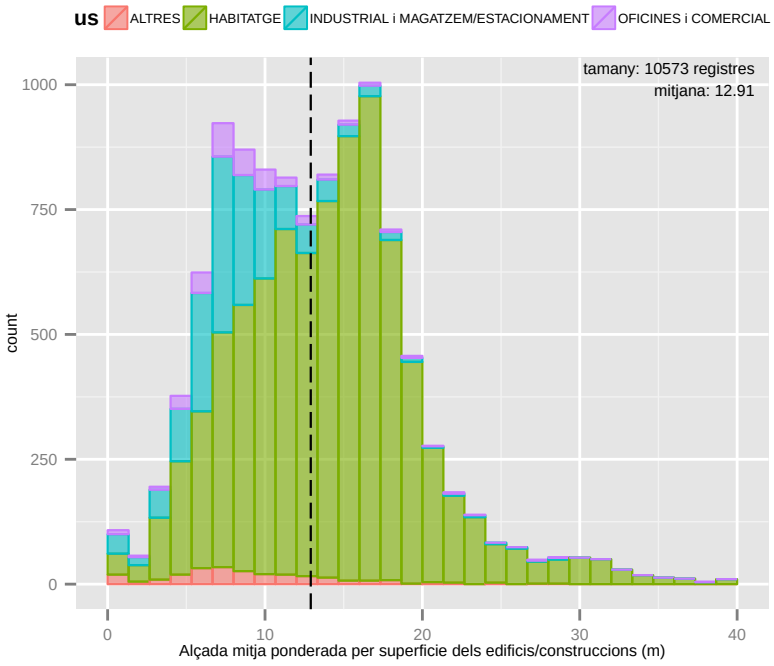


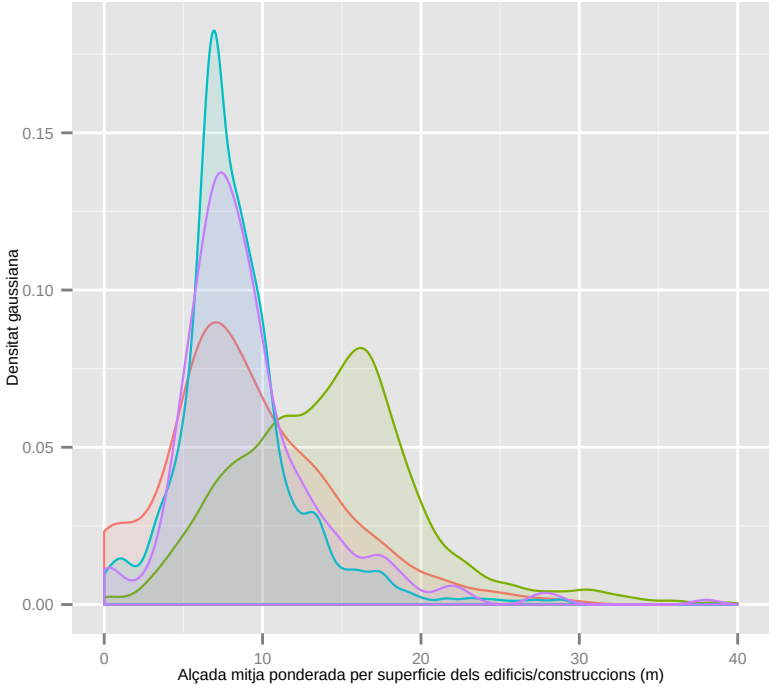


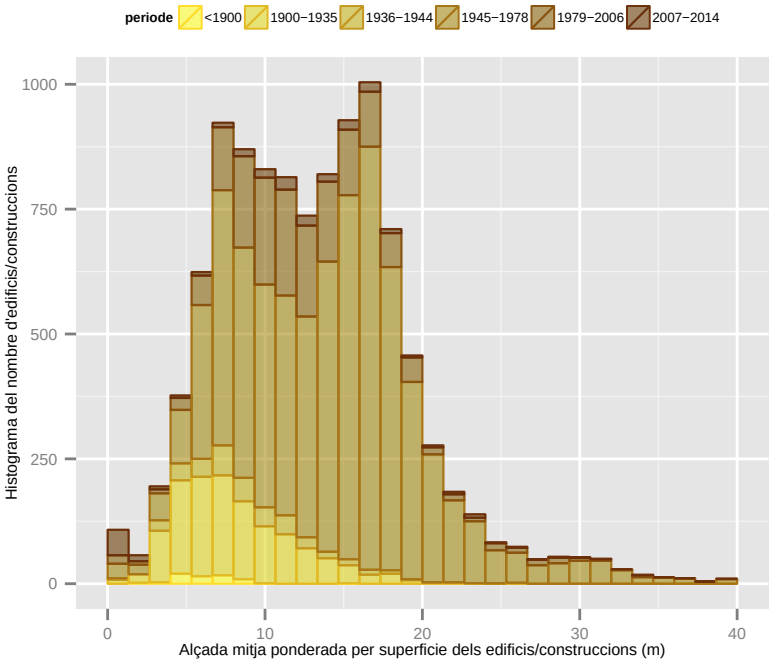


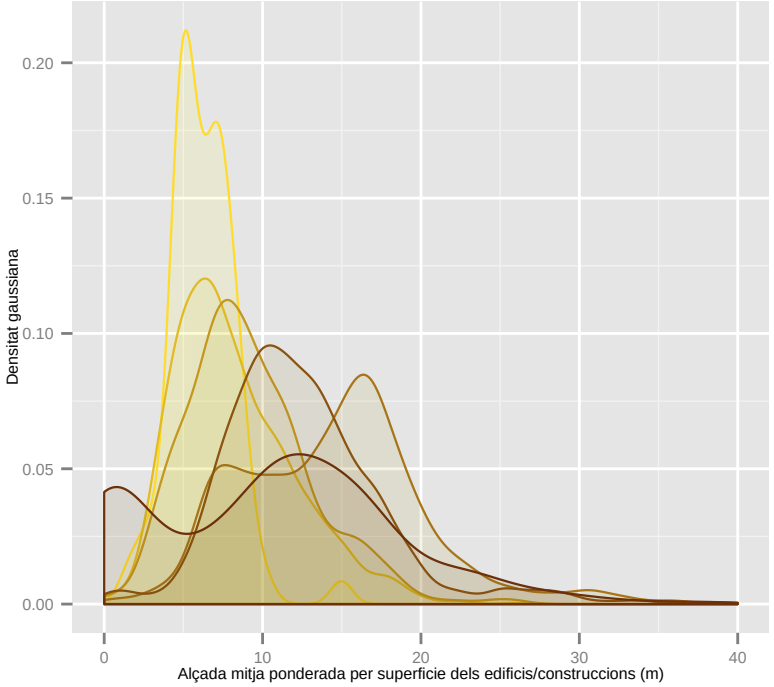
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

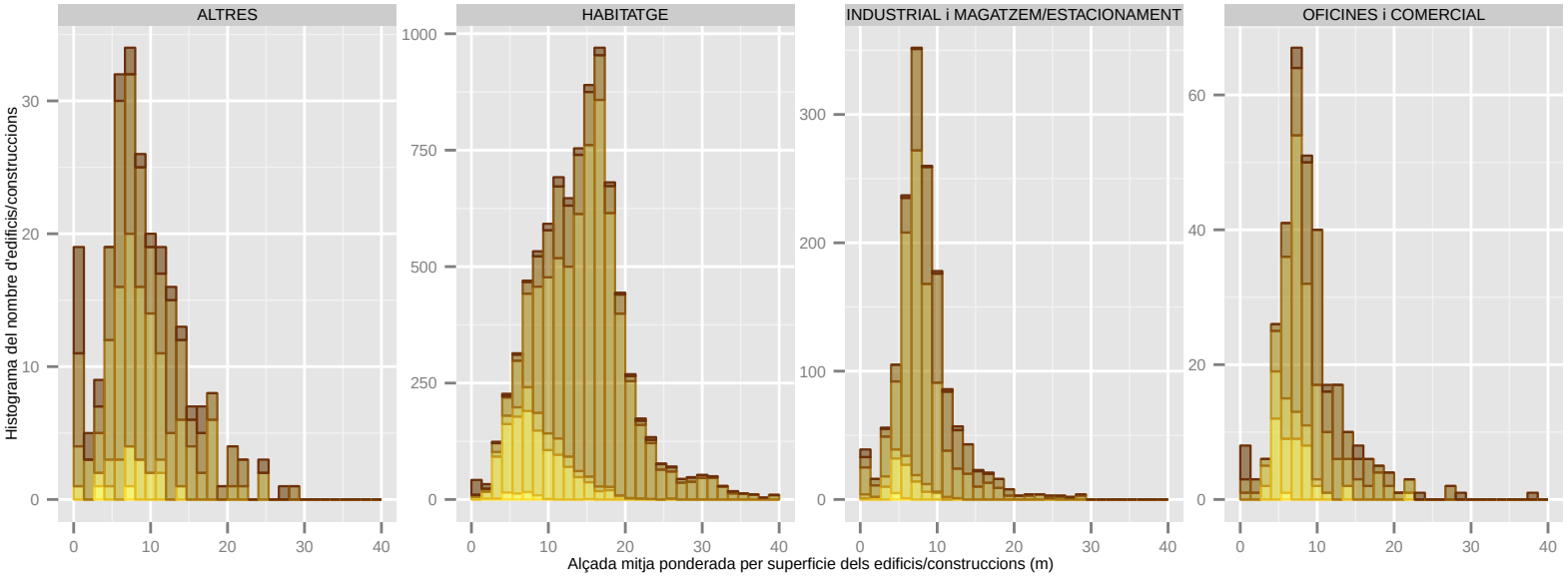
ada mitja ponderada per superficie dels edificis/construccions (m): L'HOSPITALET DE LLOBREG











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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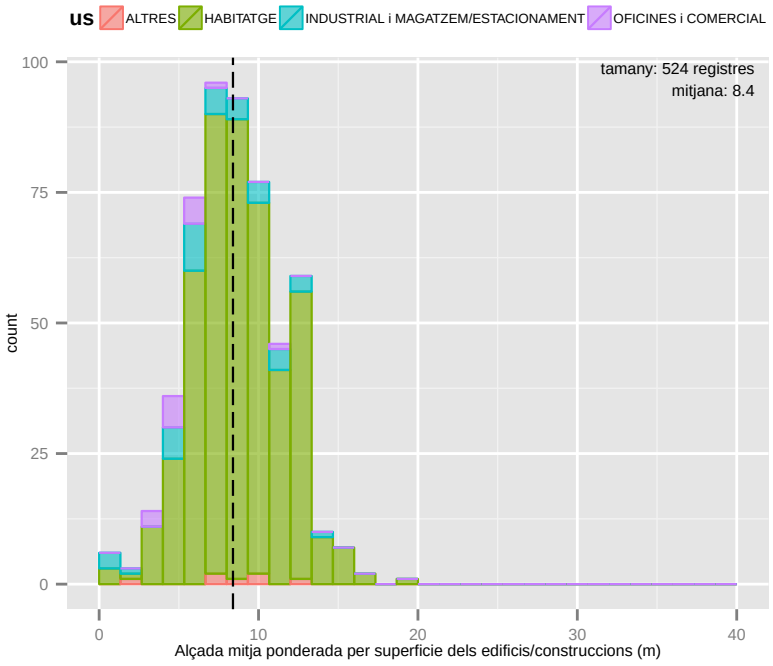
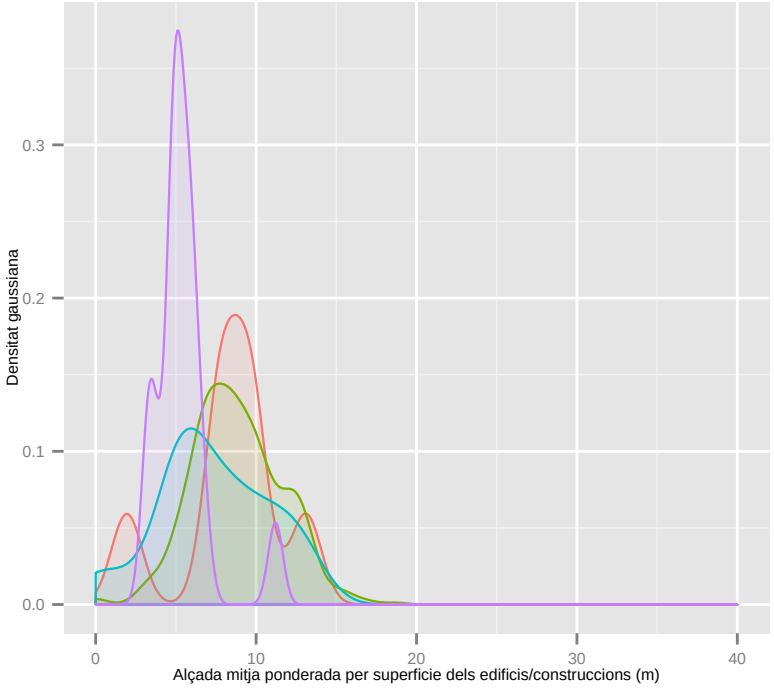
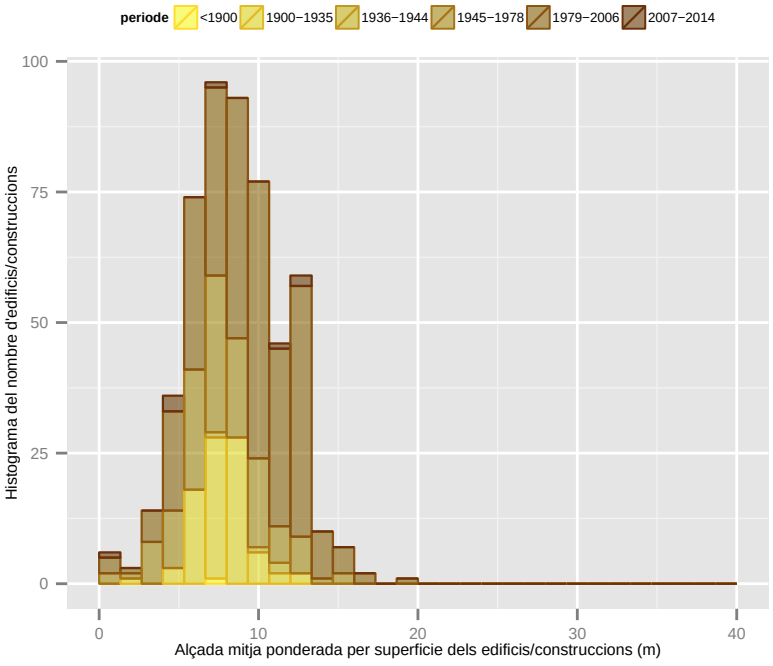
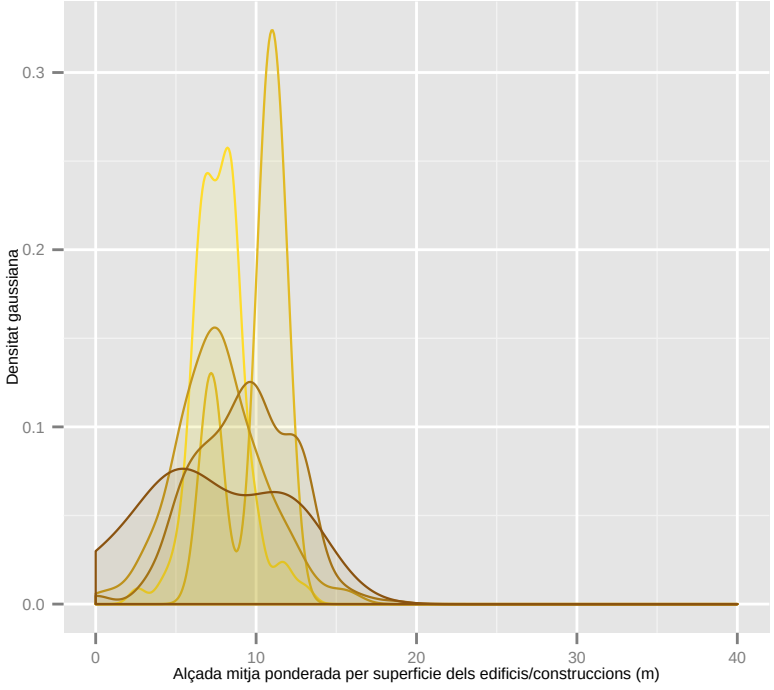
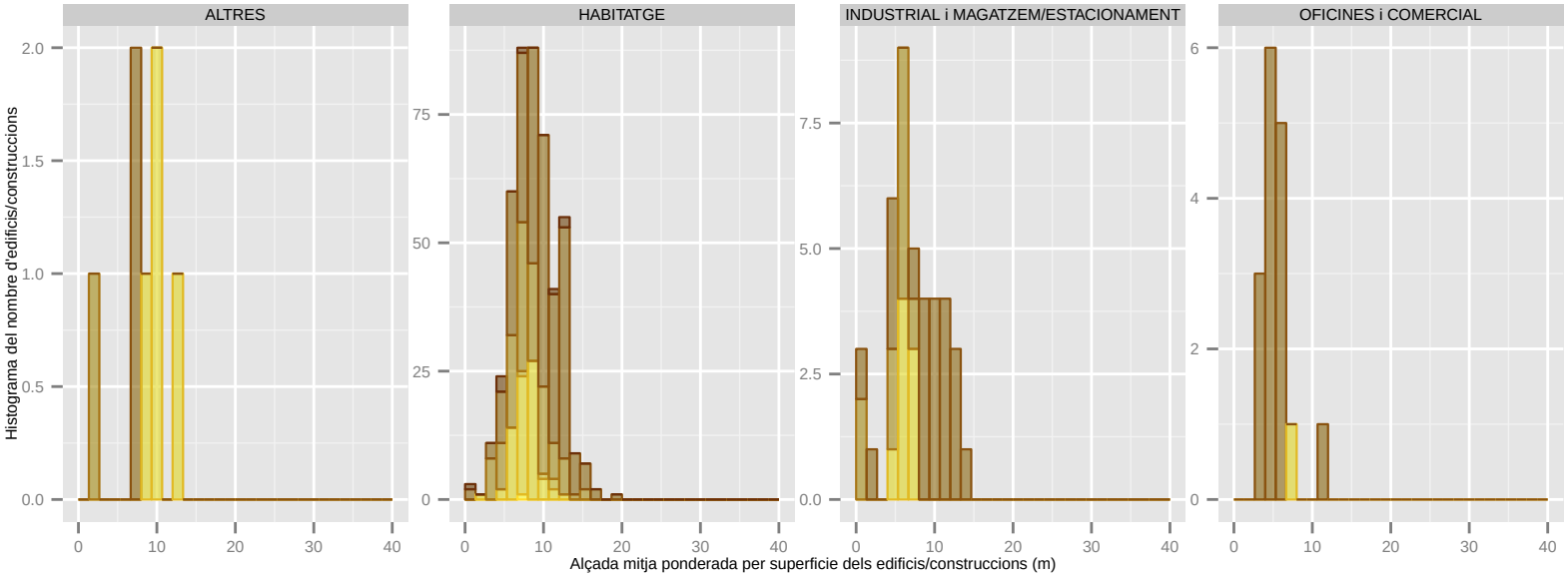
Alçada mitja ponderada per superficie dels edificis/construccions (m): LA PALMA DE CERVELLO





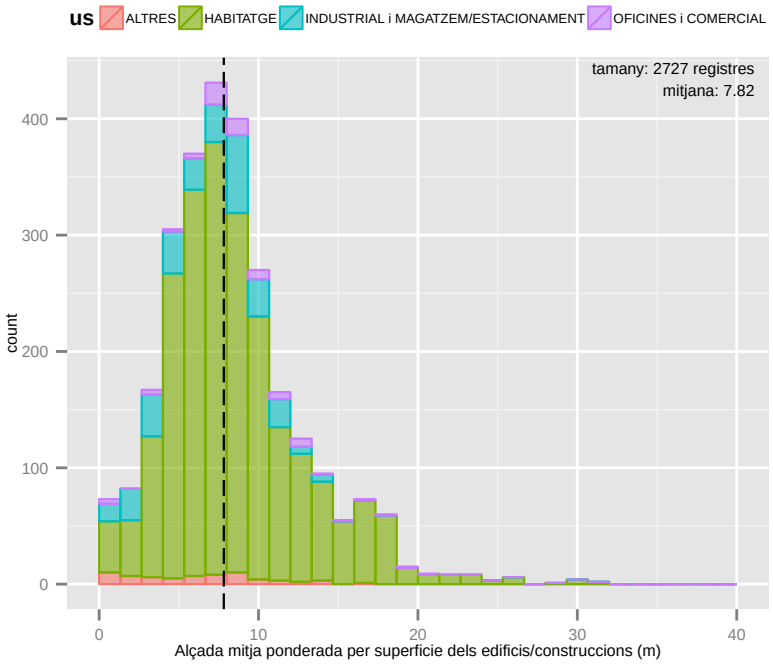


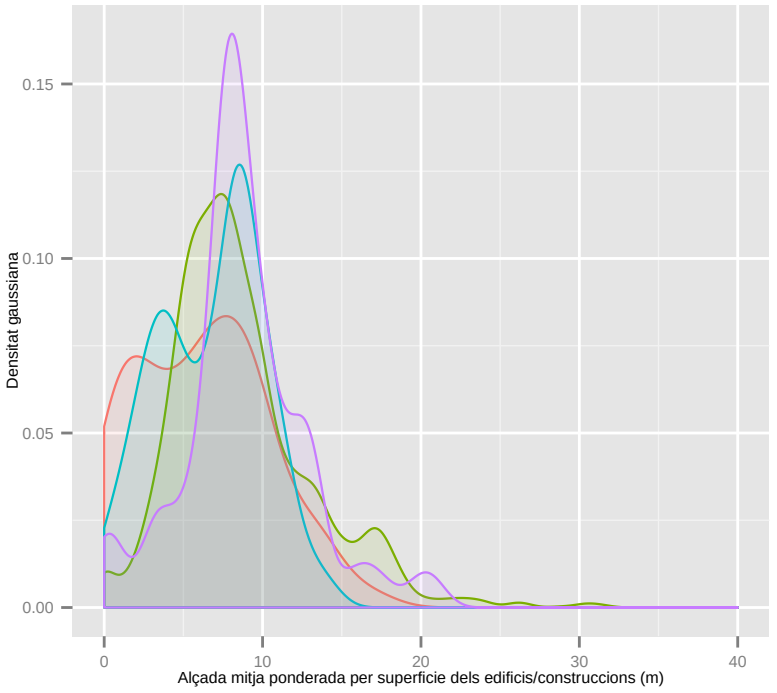


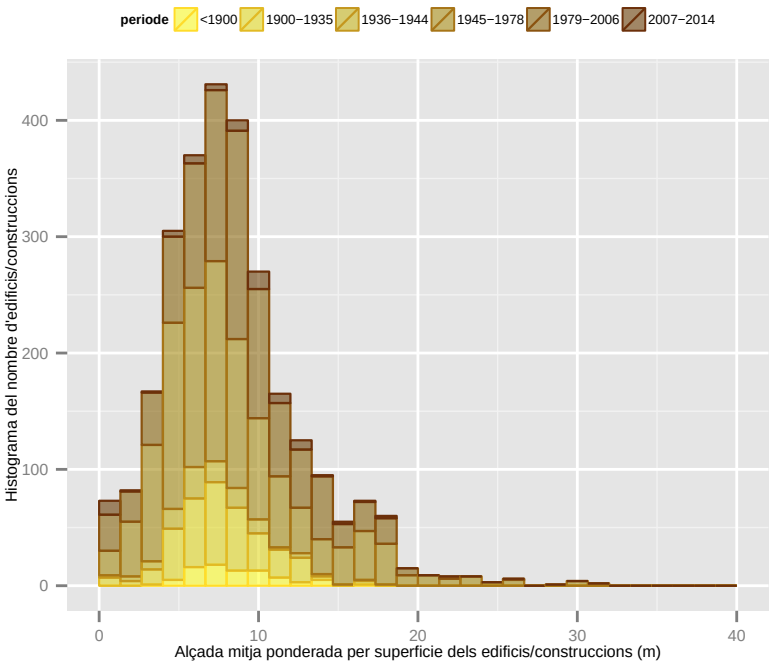


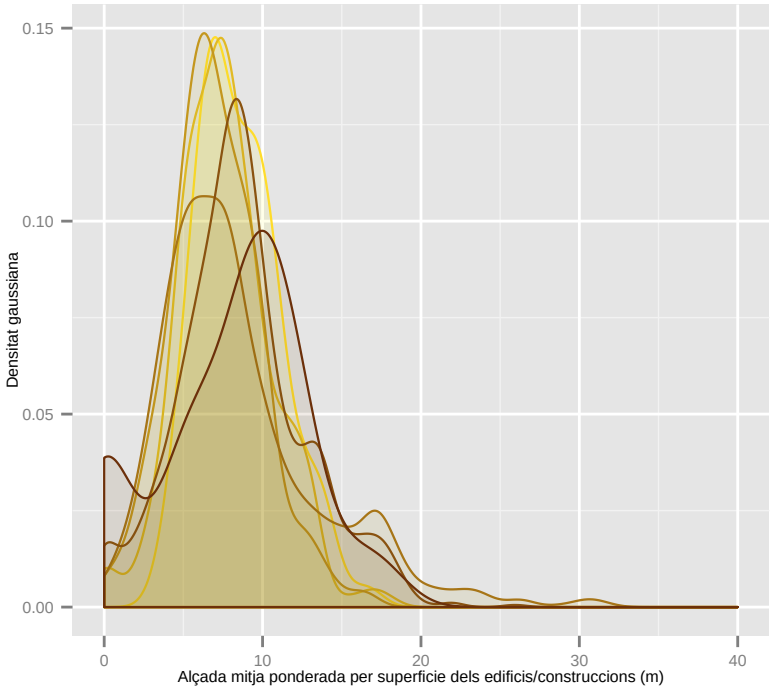
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

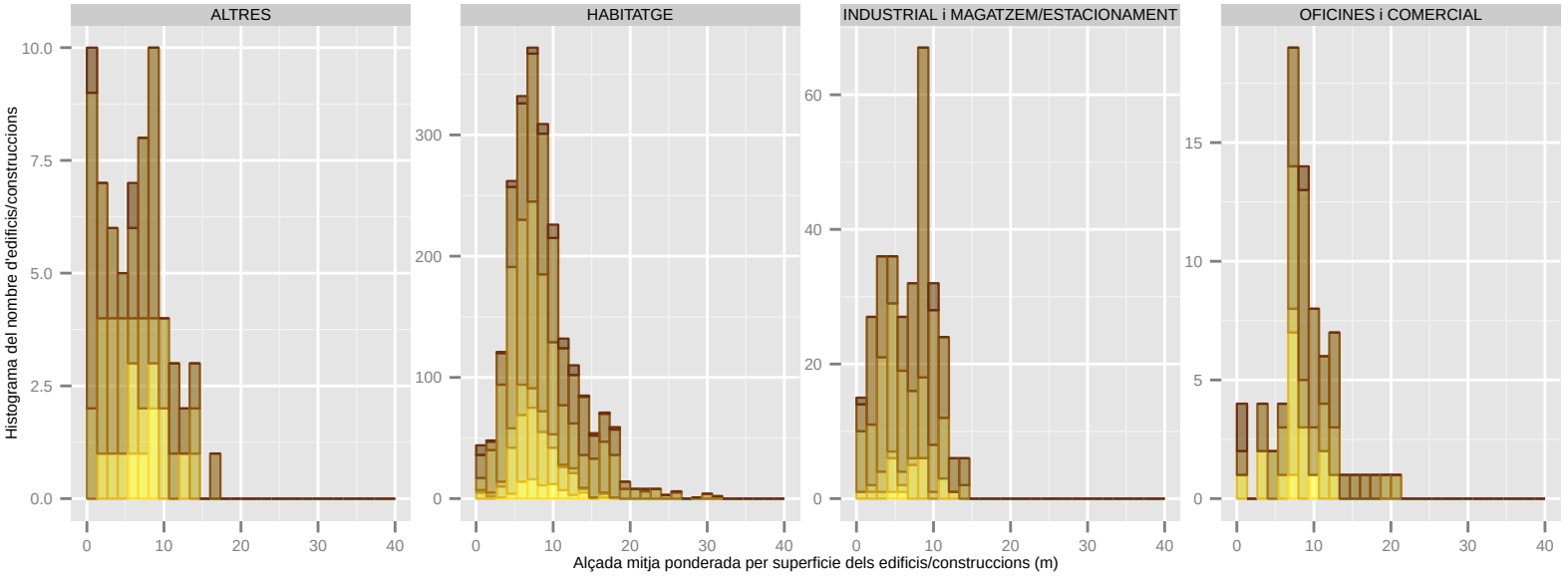
Alçada mitja ponderada per superficie dels edificis/construccions (m): MOLINS DE REI





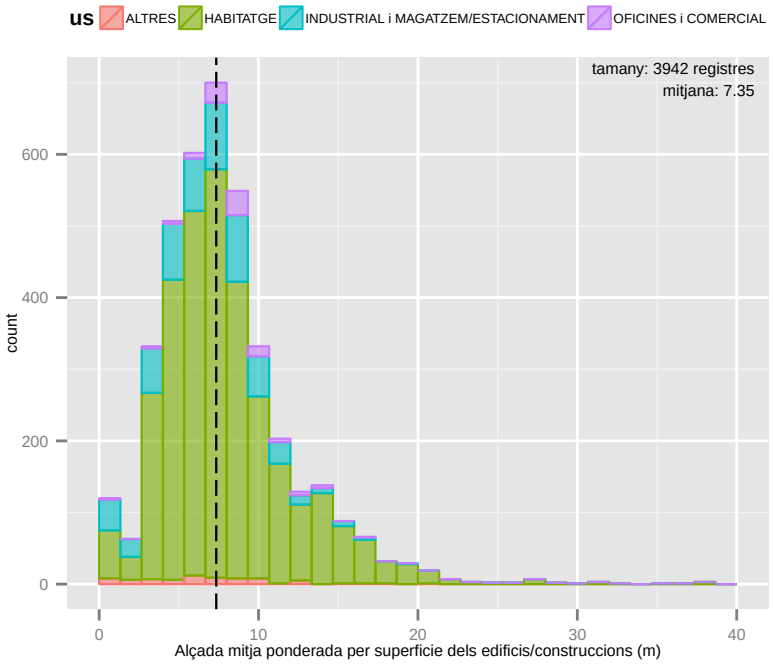


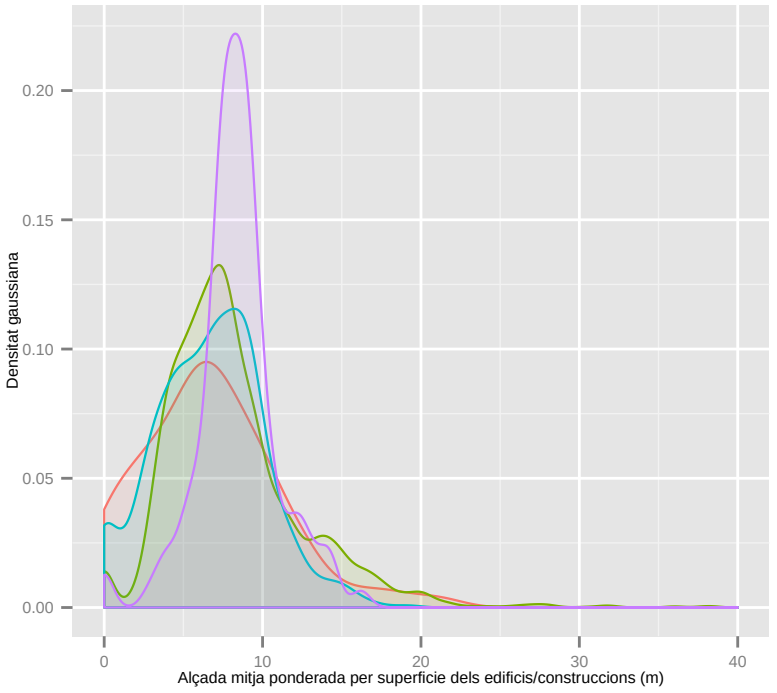


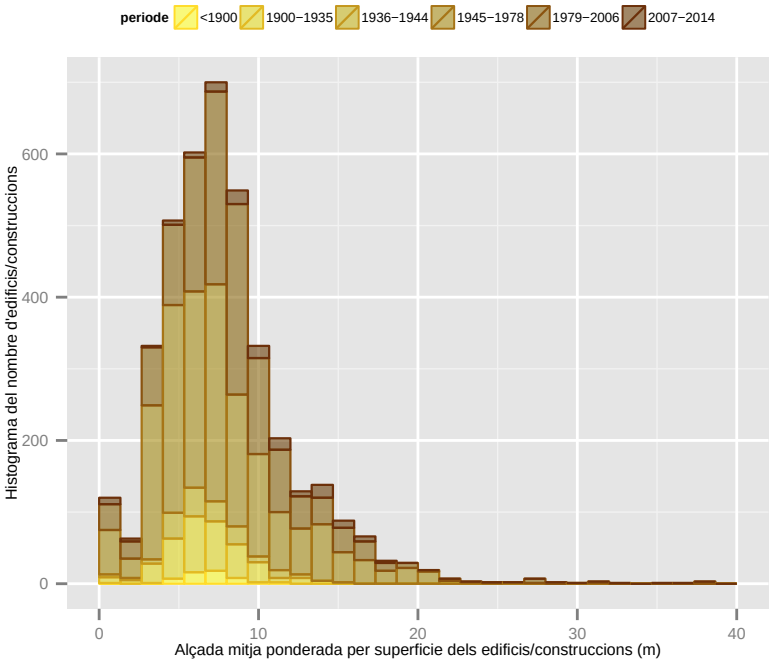


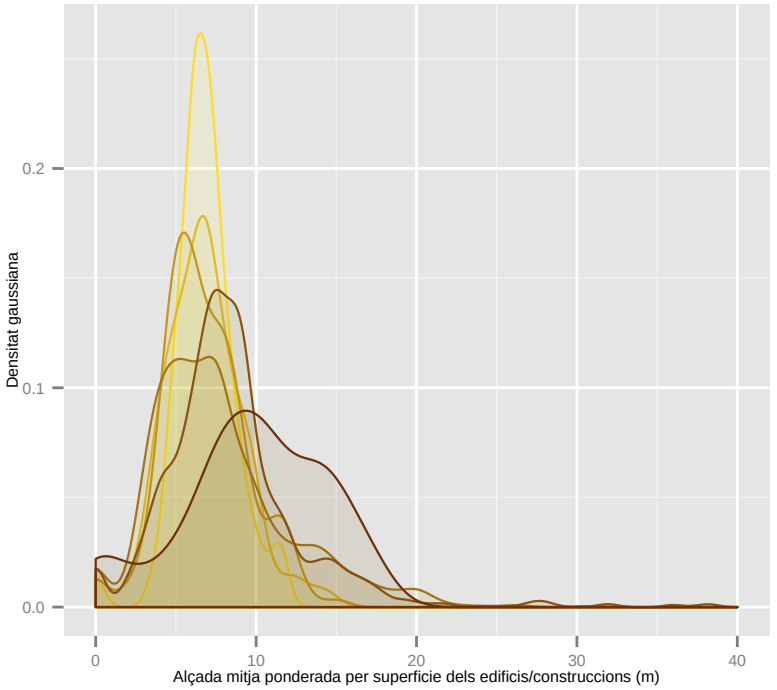
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

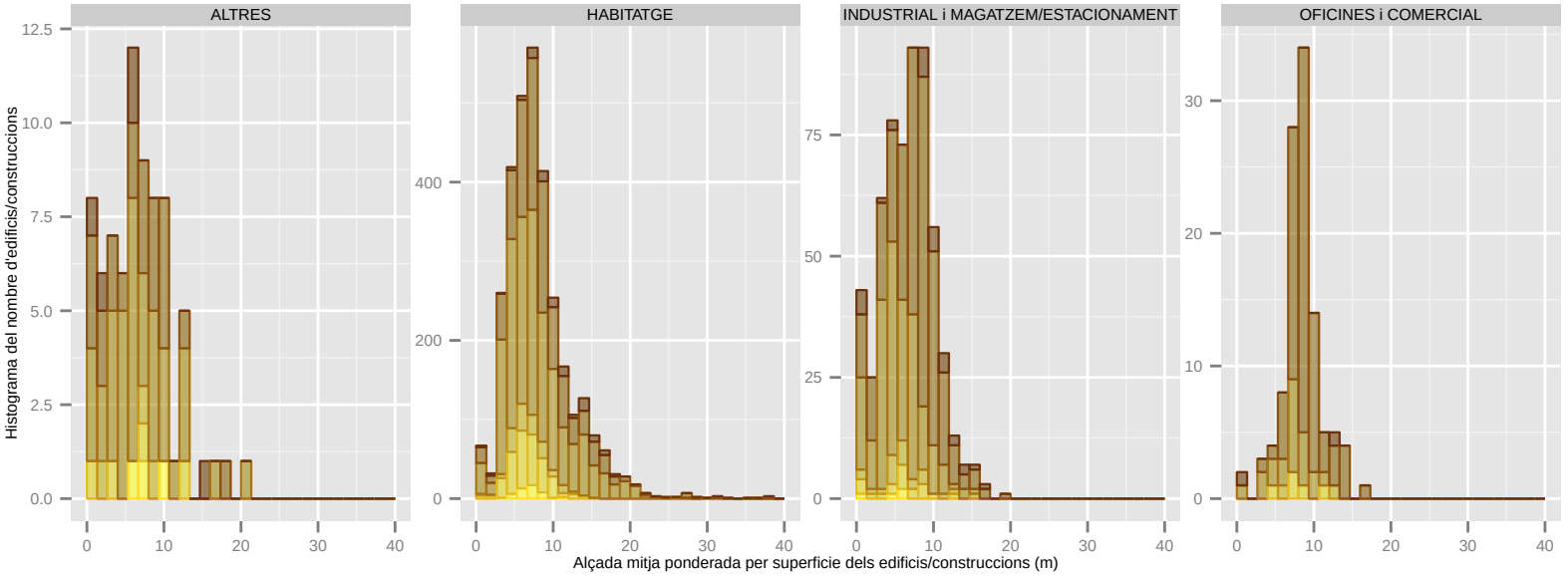
Alçada mitja ponderada per superficie dels edificis/construccions (m): MONTCADA I REIXAC





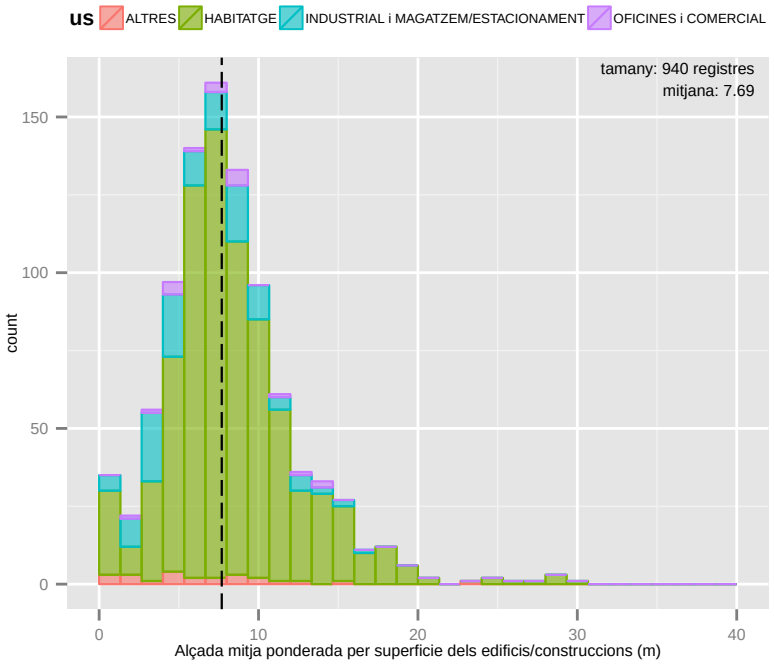


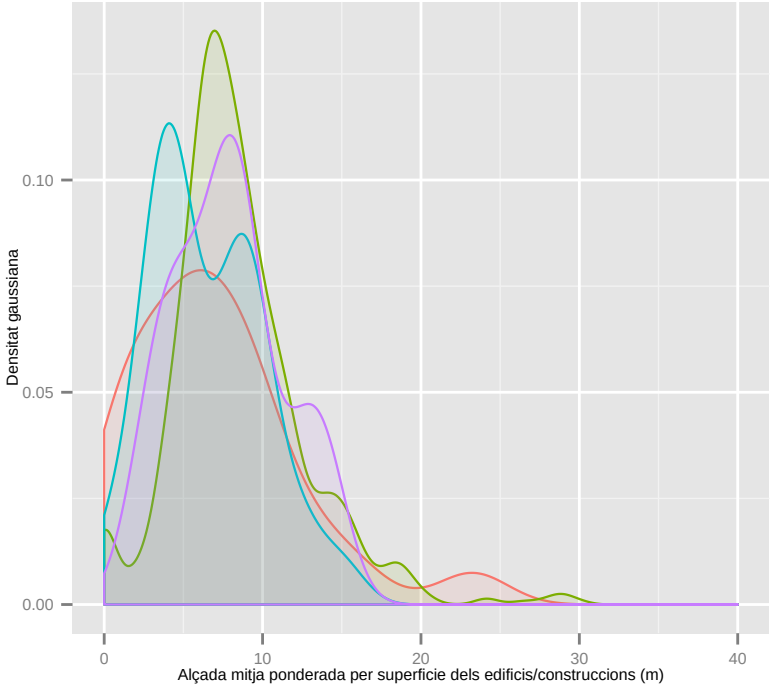


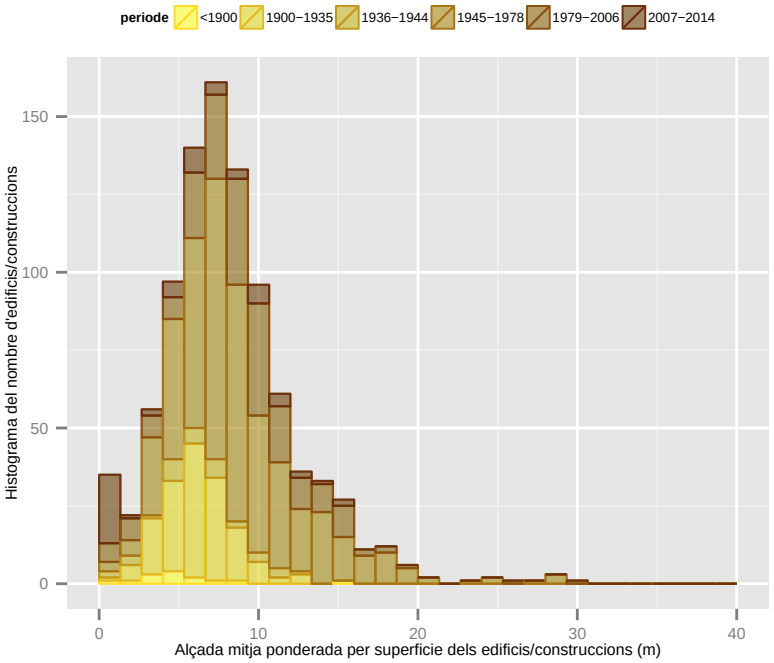


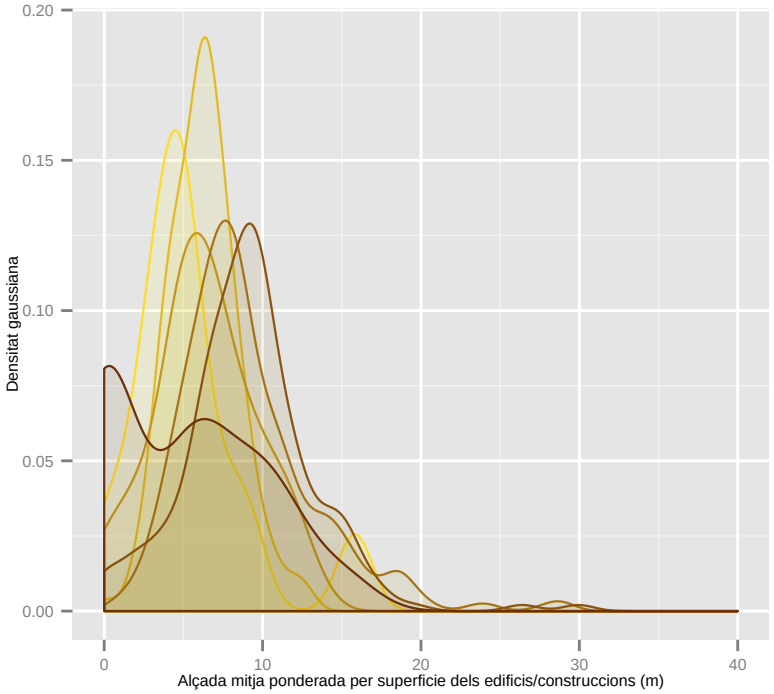
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

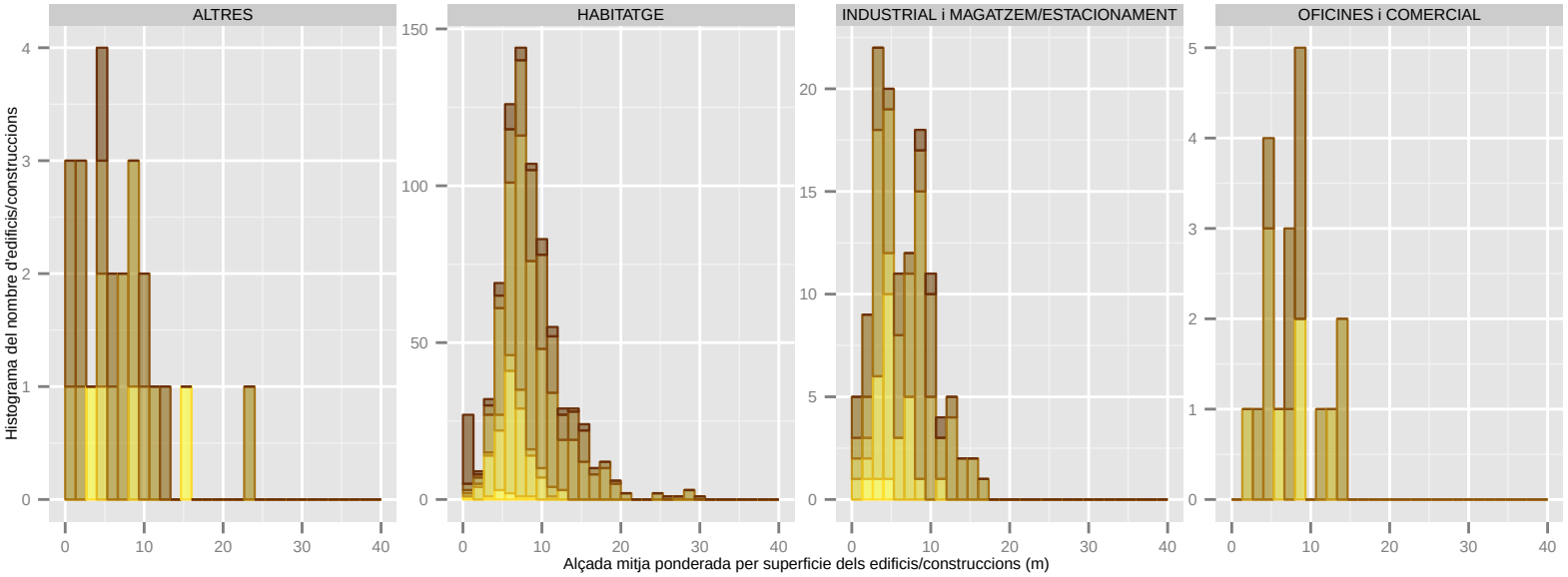
Alçada mitja ponderada per superficie dels edificis/construccions (m): MONTGAT





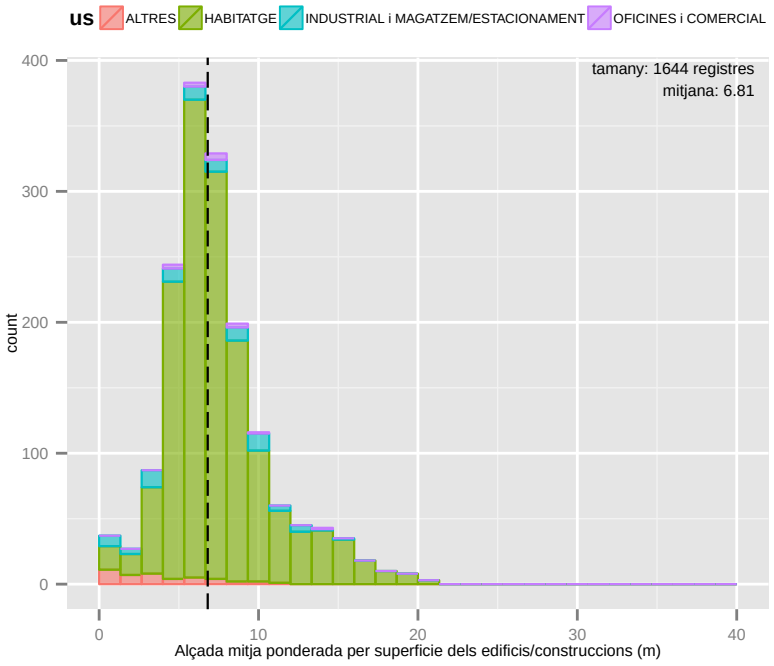


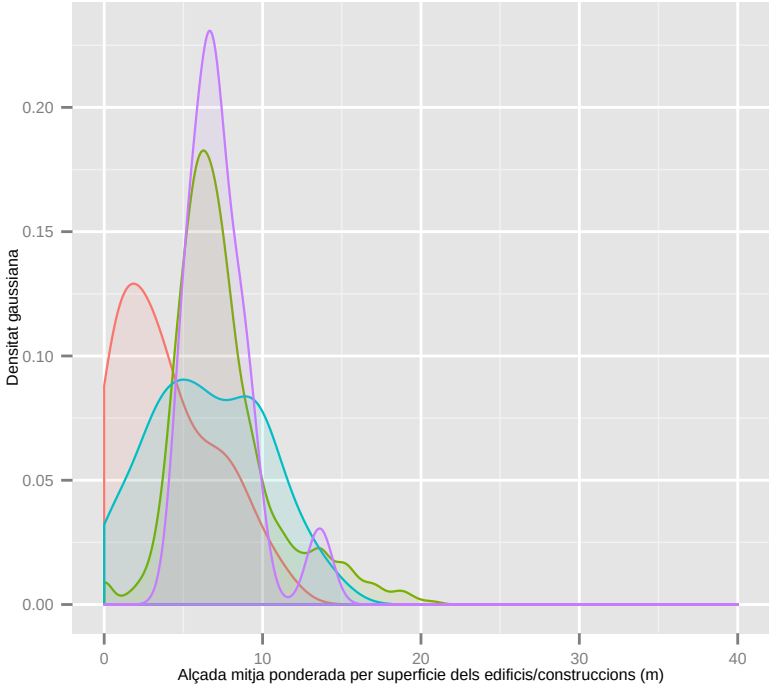


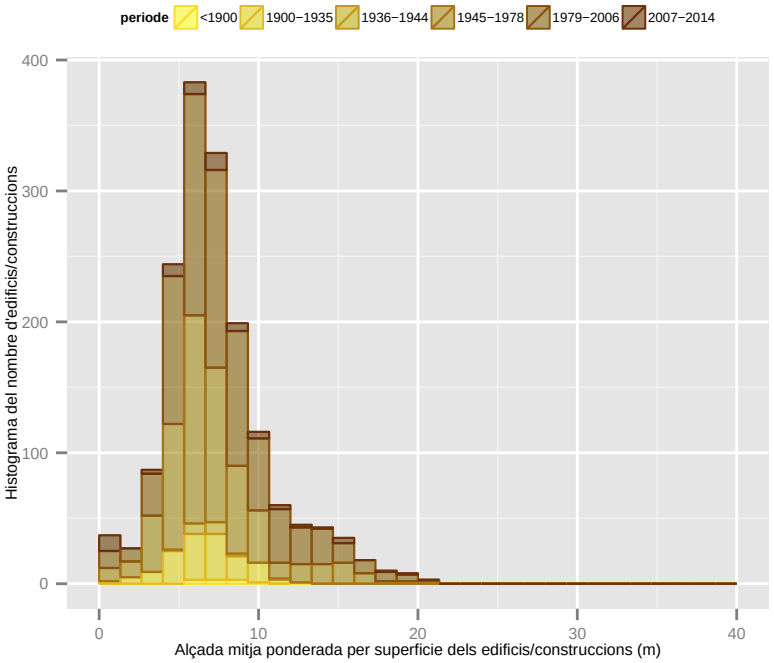


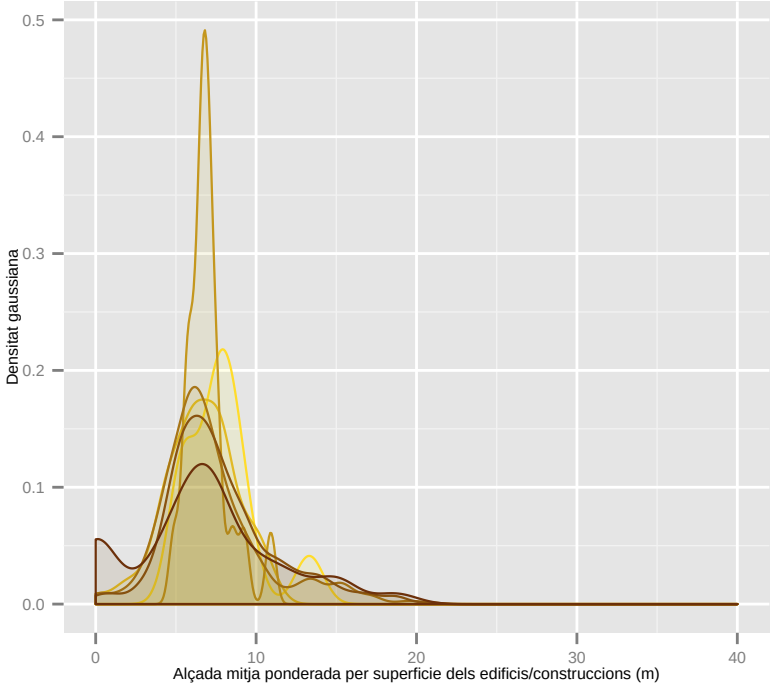
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

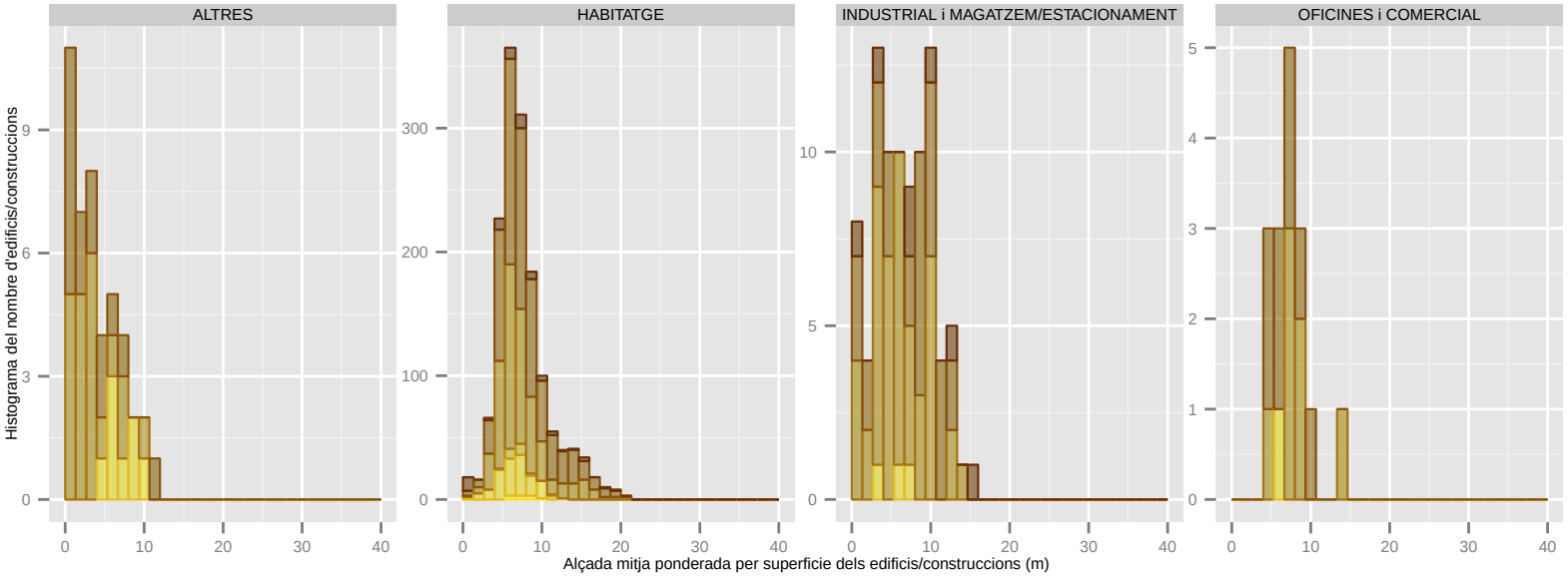
Alçada mitja ponderada per superficie dels edificis/construccions (m): PALLEJA





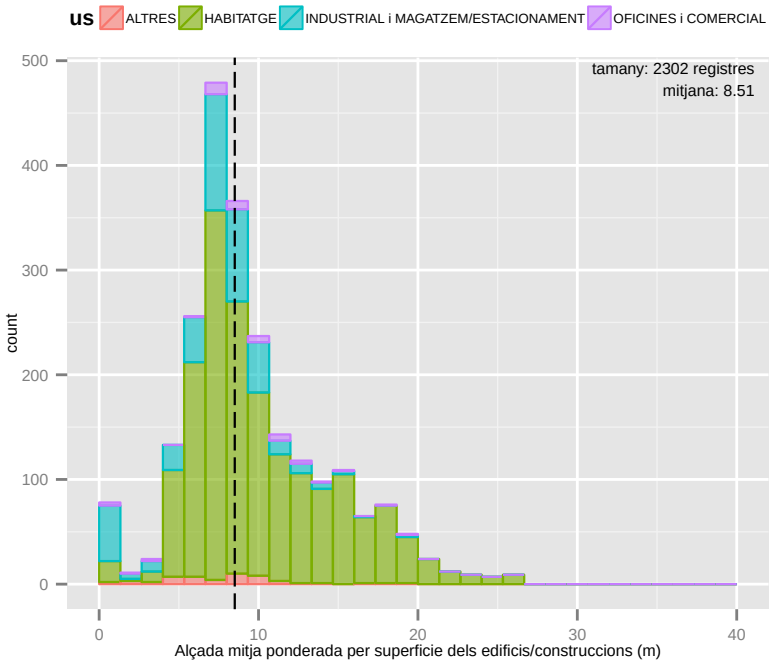


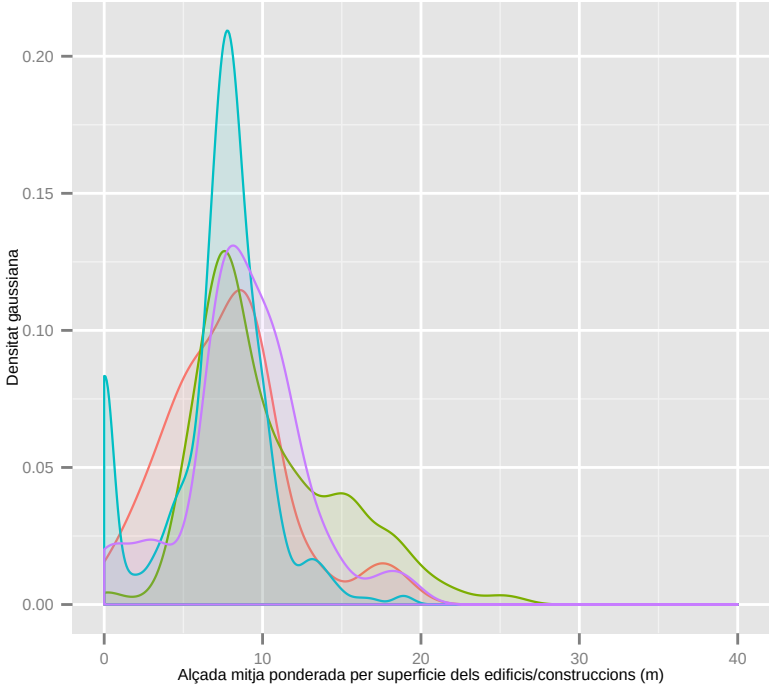


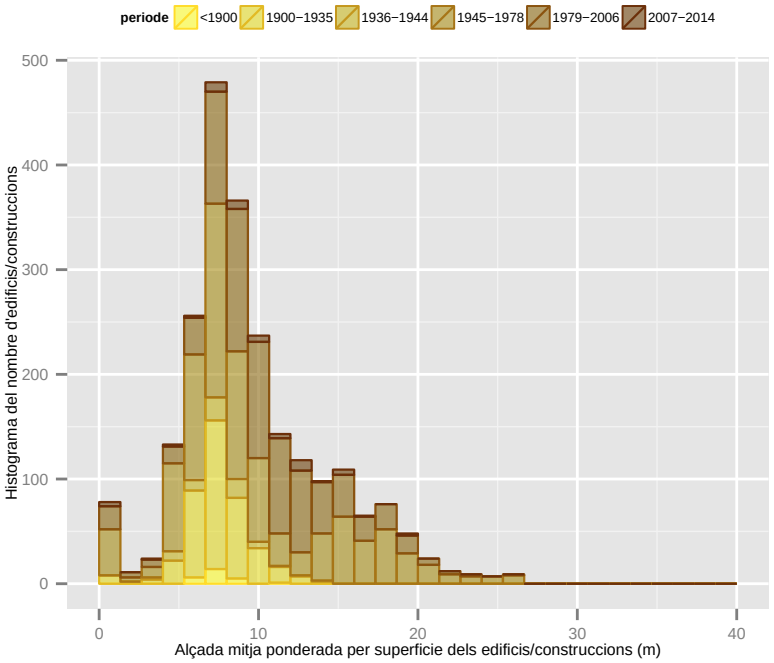


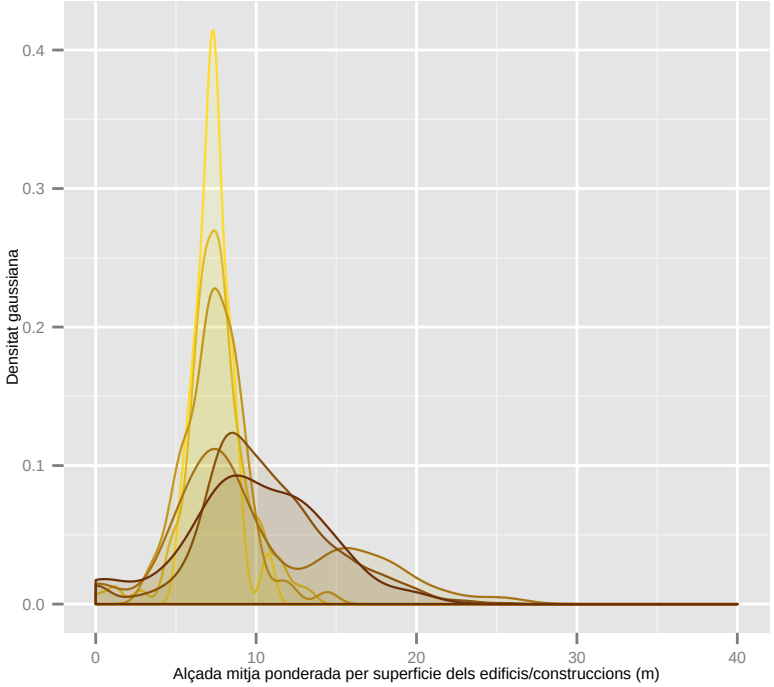
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

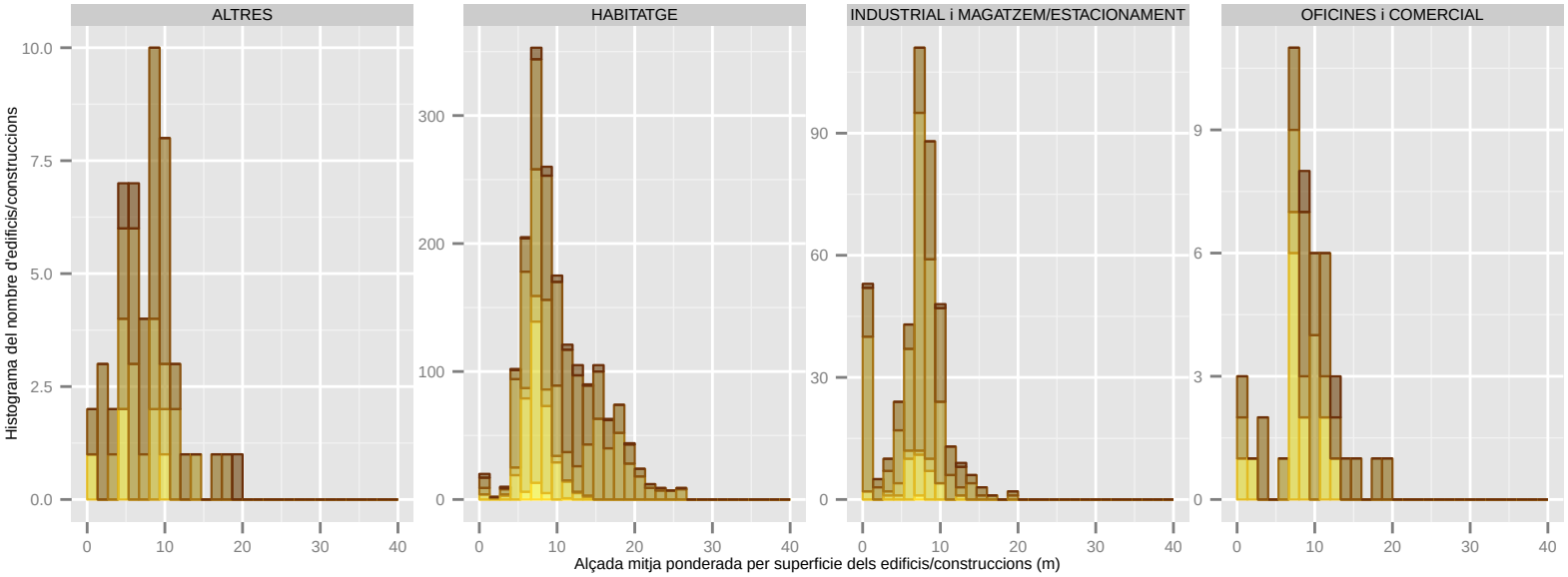
Alçada mitja ponderada per superficie dels edificis/construccions (m): RIPOLLET





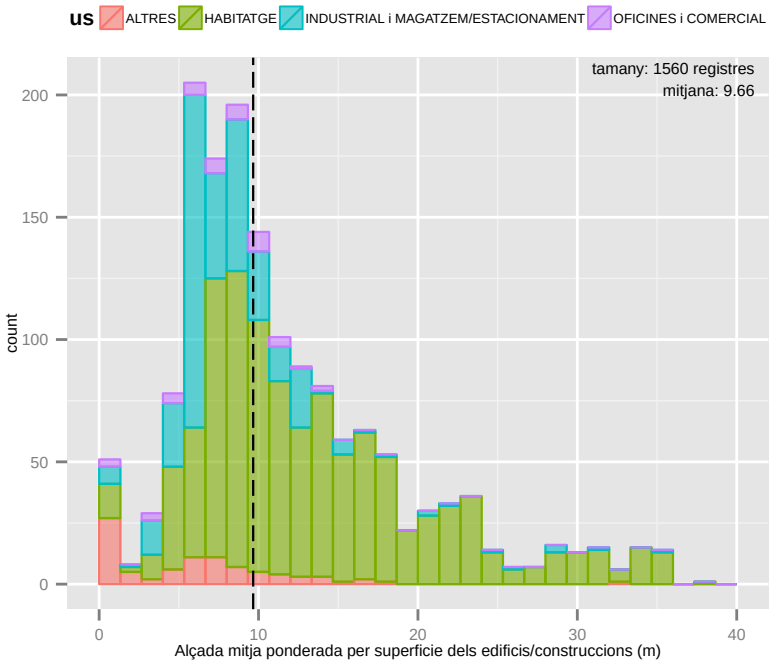


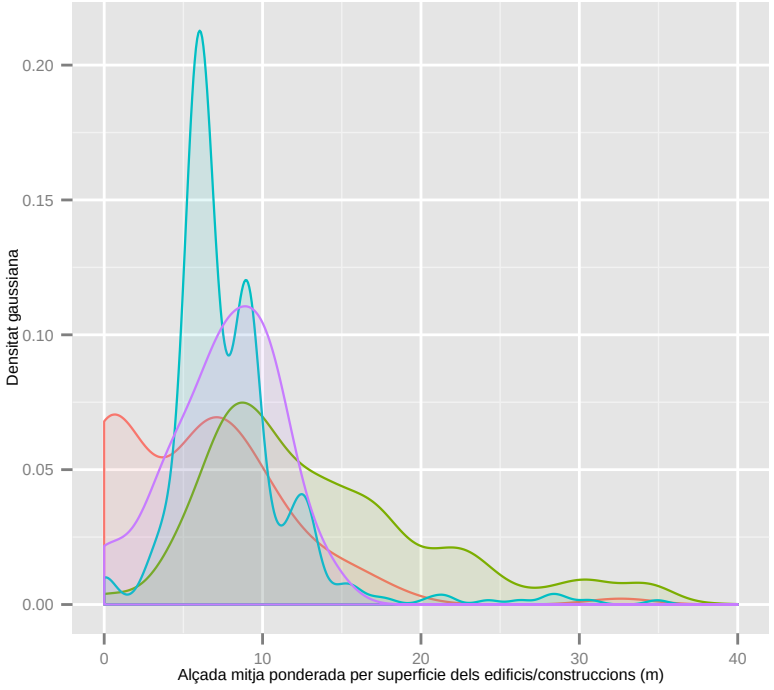


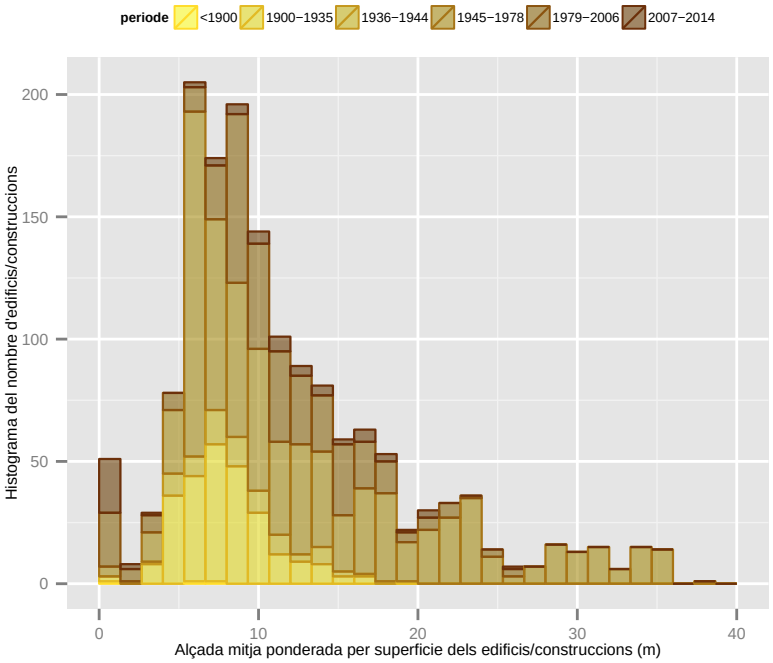


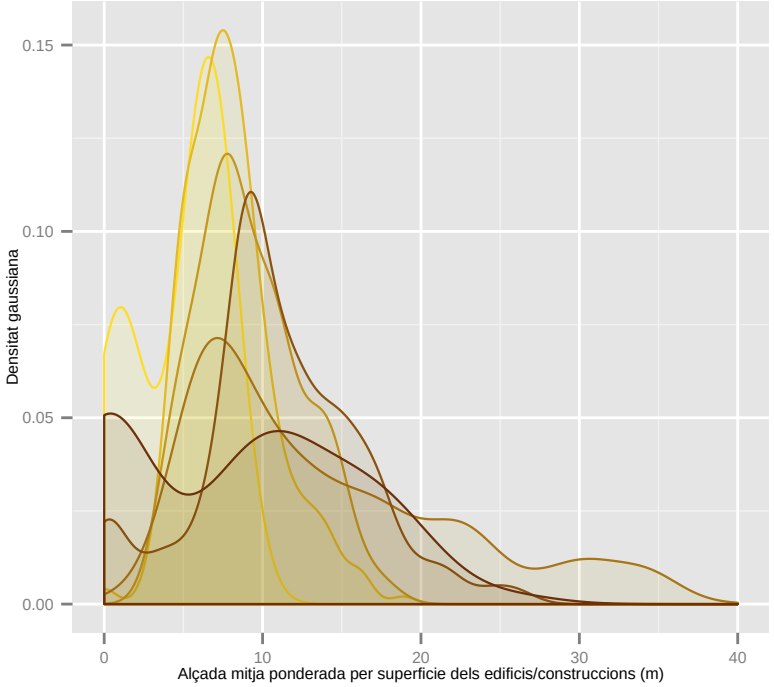
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

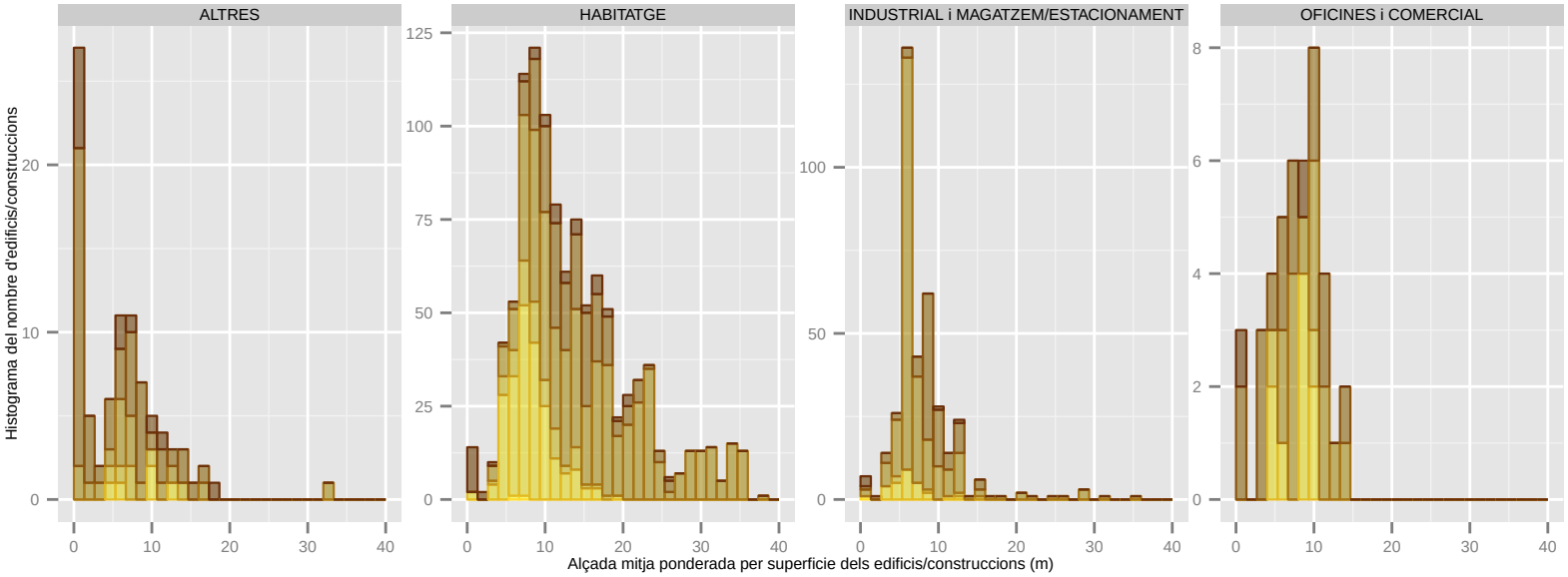
Alçada mitja ponderada per superficie dels edificis/construccions (m): SANT ADRIA DE BESOS





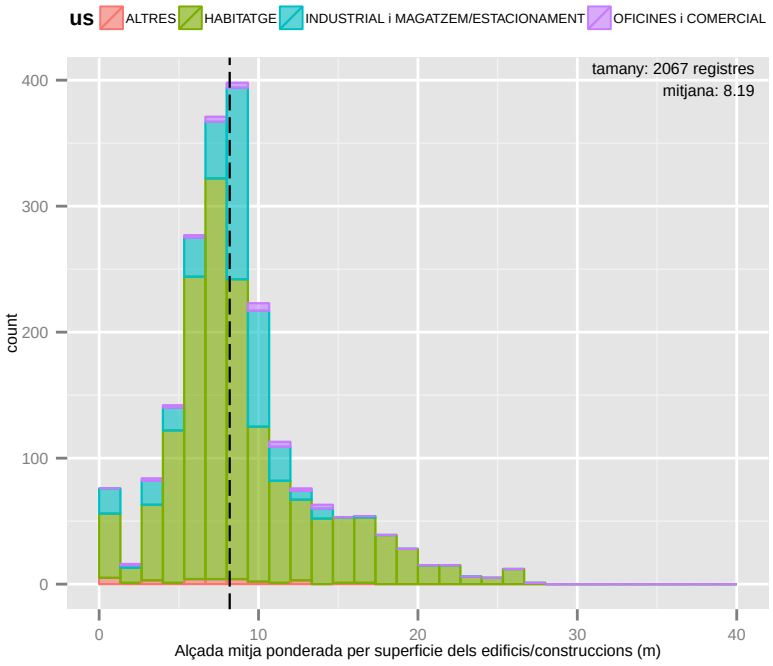


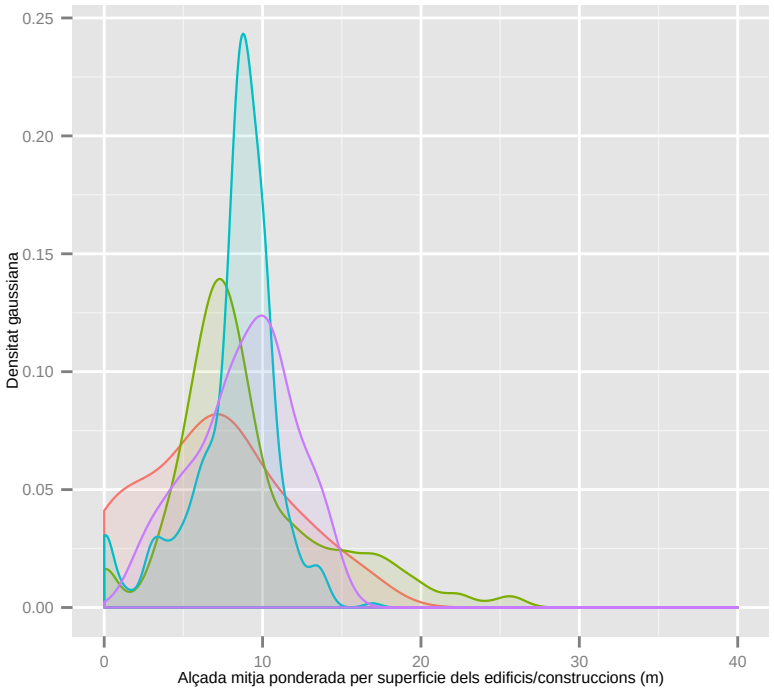


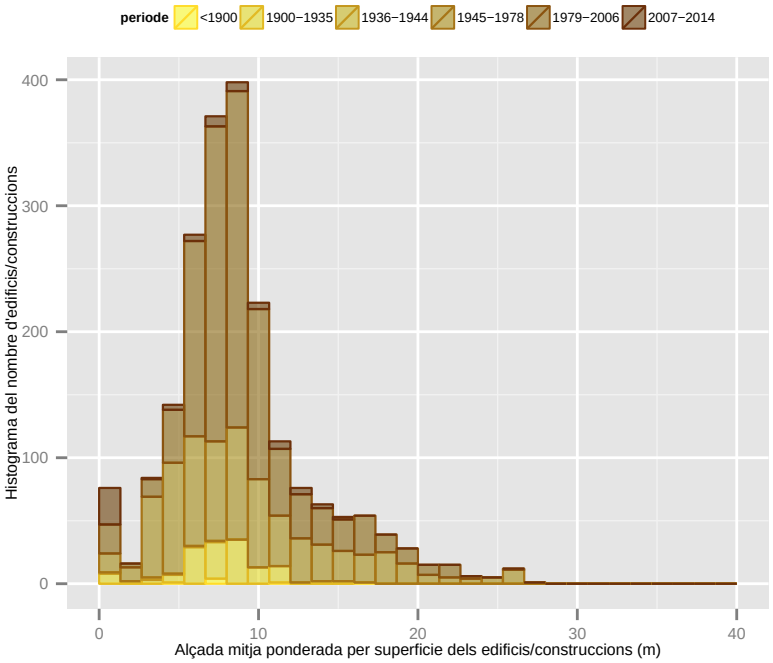


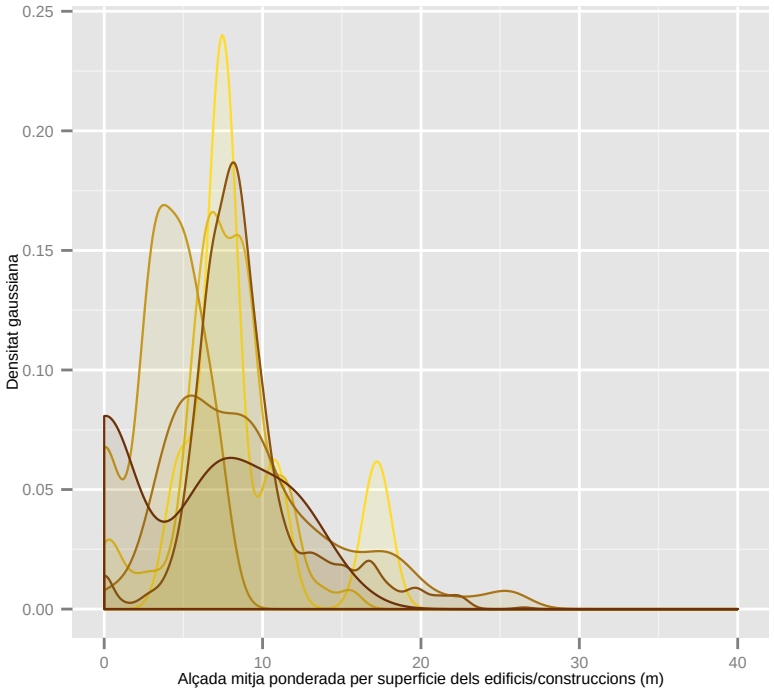
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

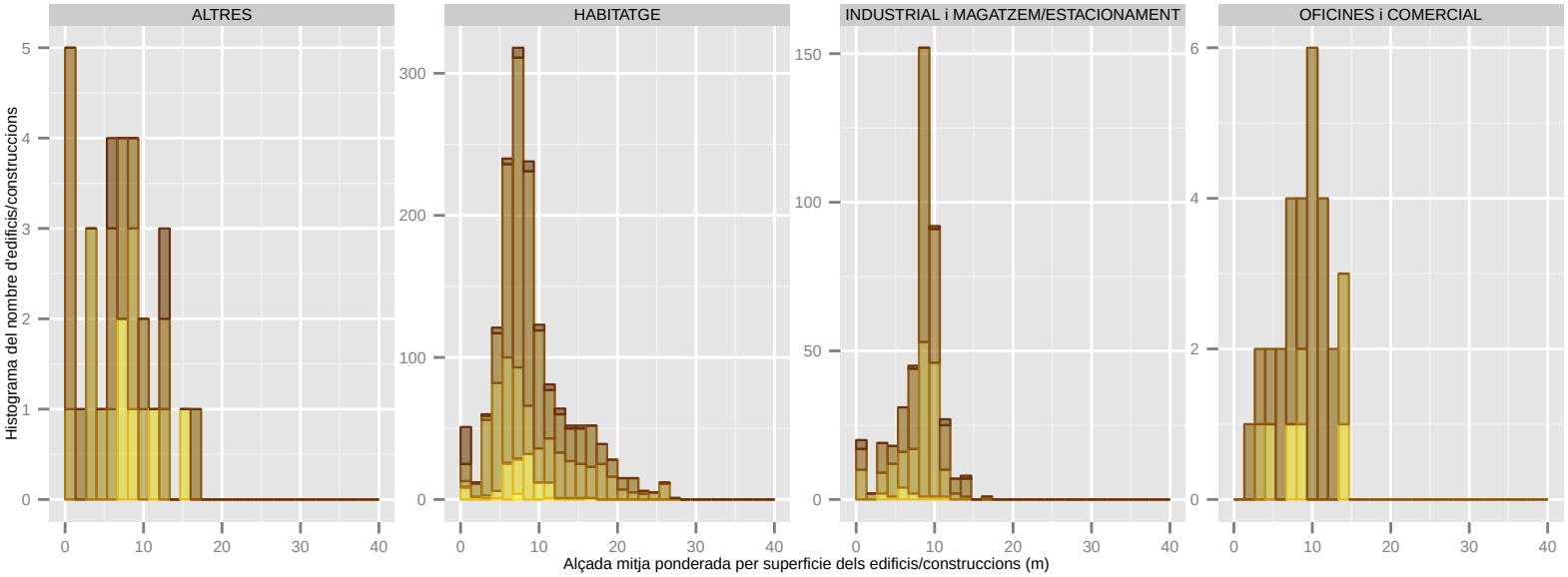
çada mitja ponderada per superficie dels edificis/construccions (m): SANT ANDREU DE LA BARC





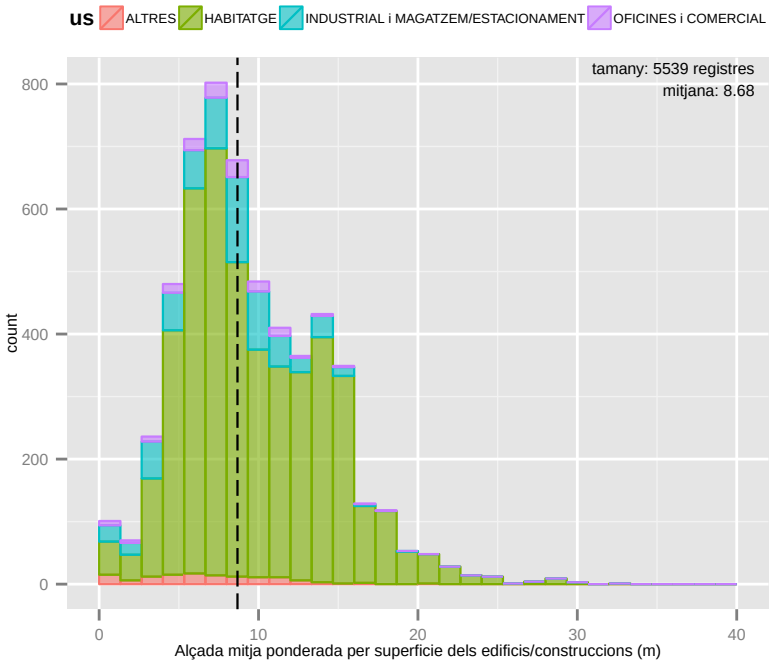


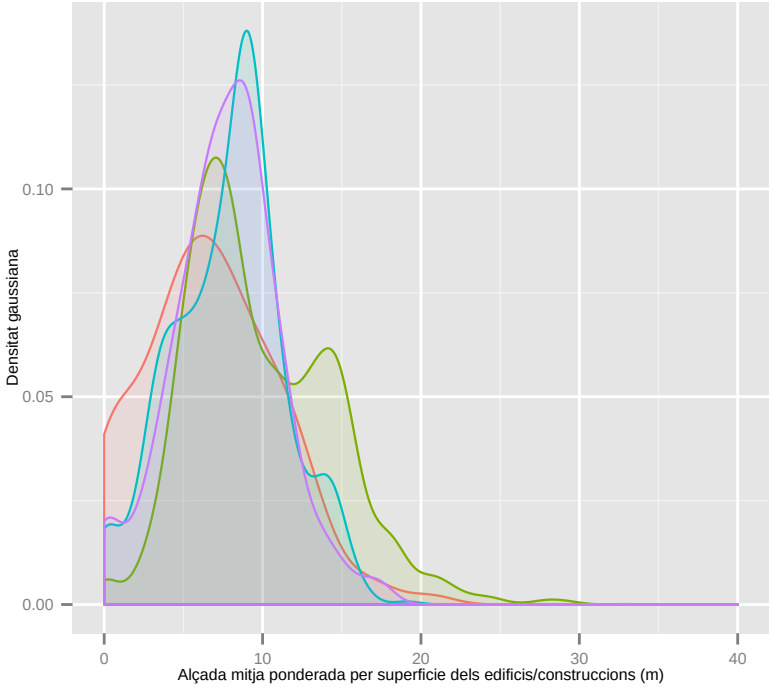


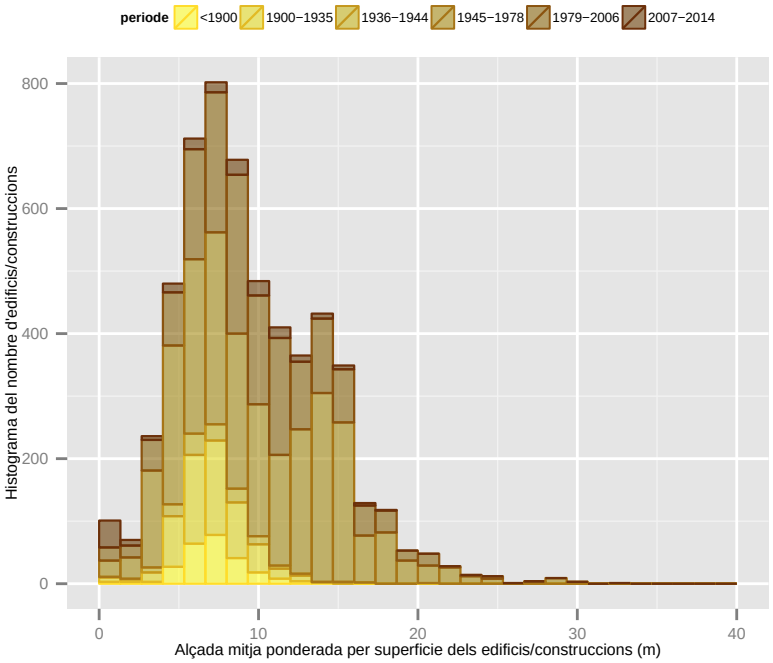


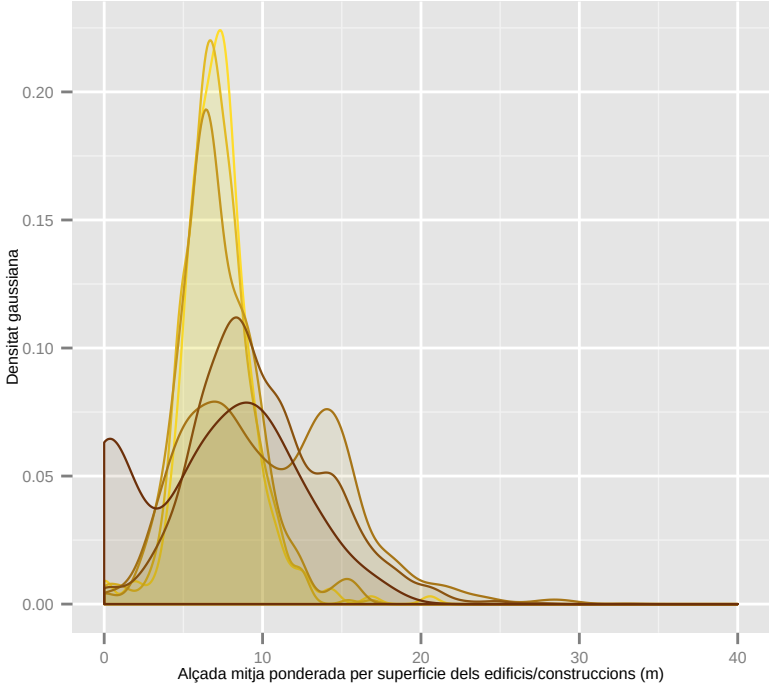
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

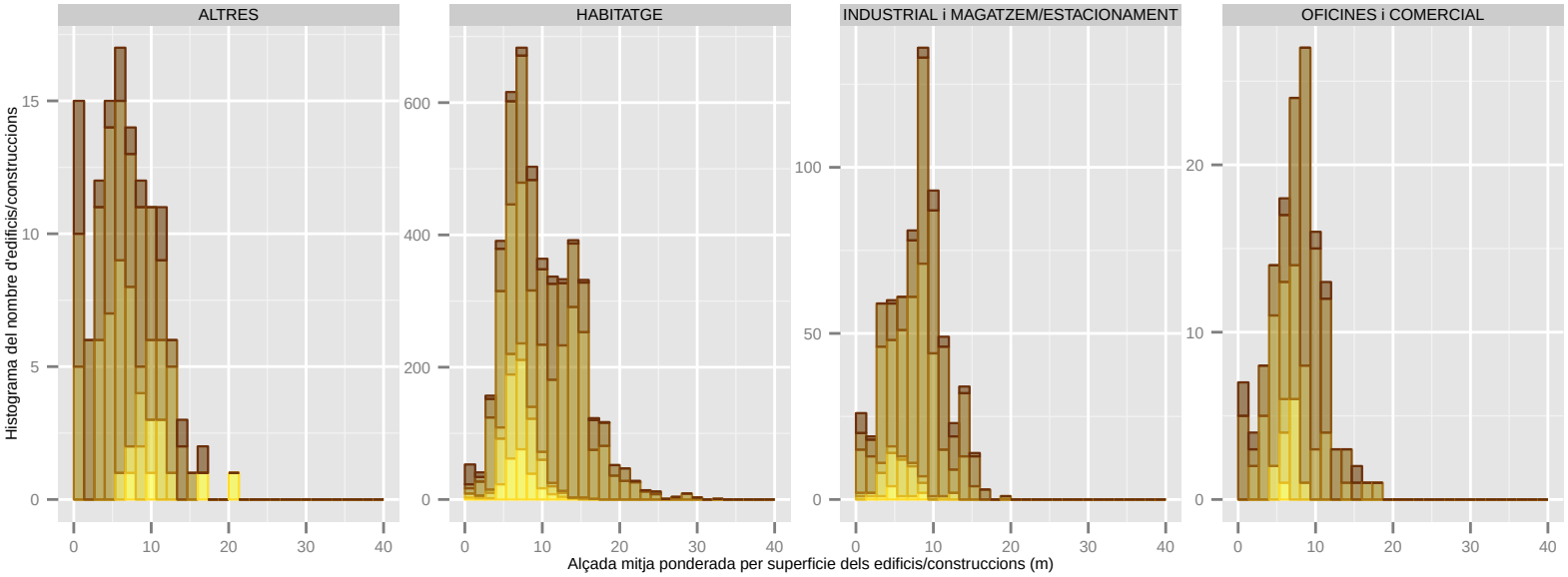
Alçada mitja ponderada per superficie dels edificis/construccions (m): SANT BOI DE LLOBREGAT











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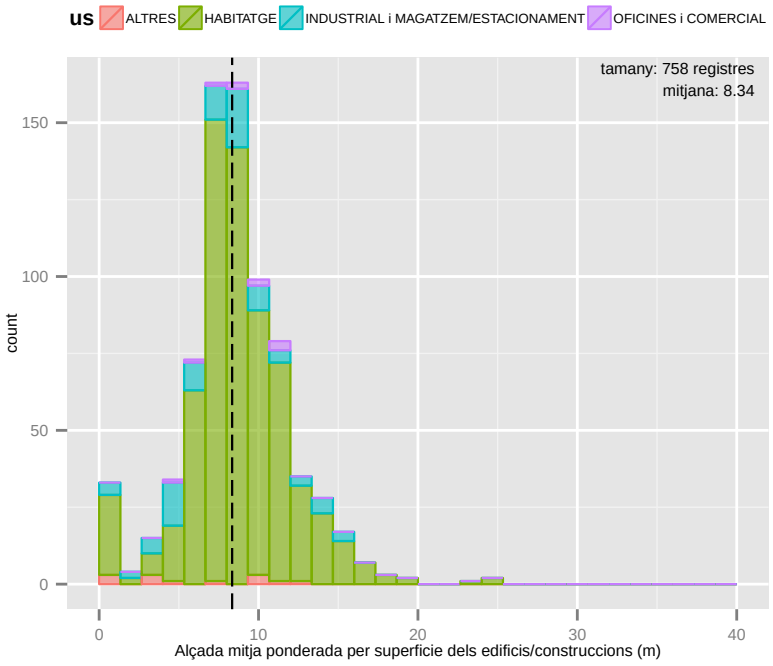
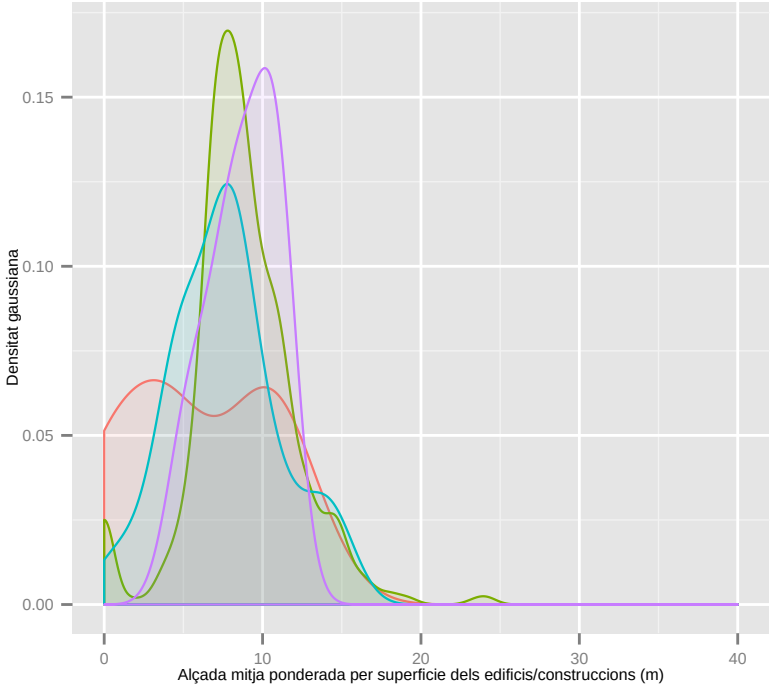
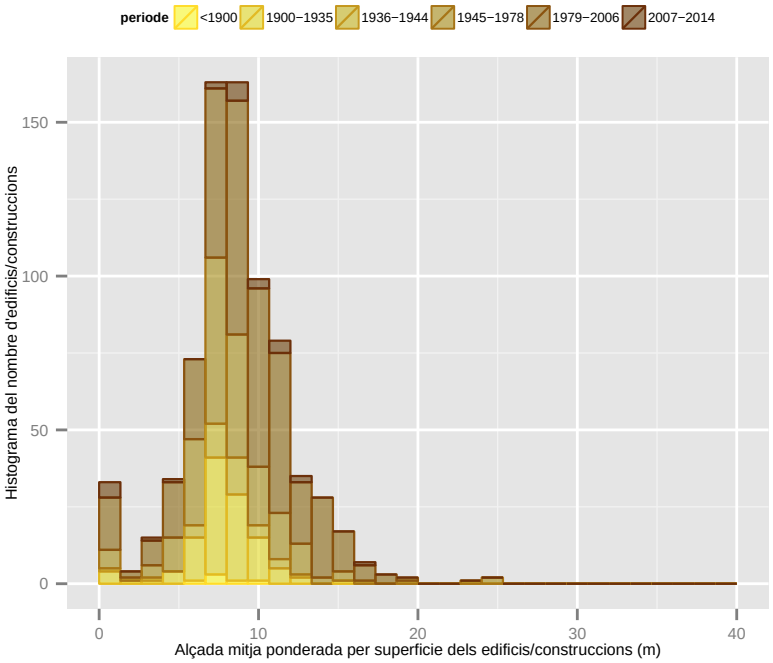
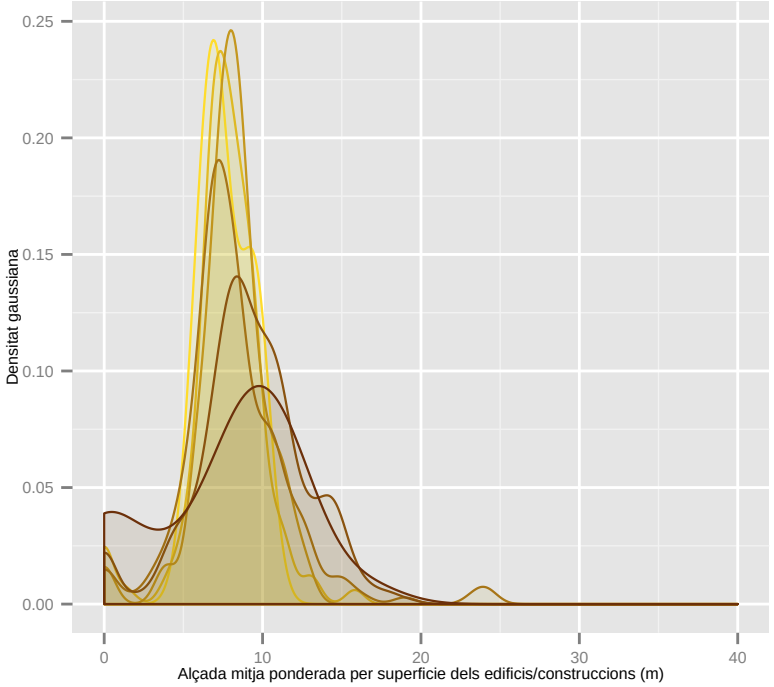
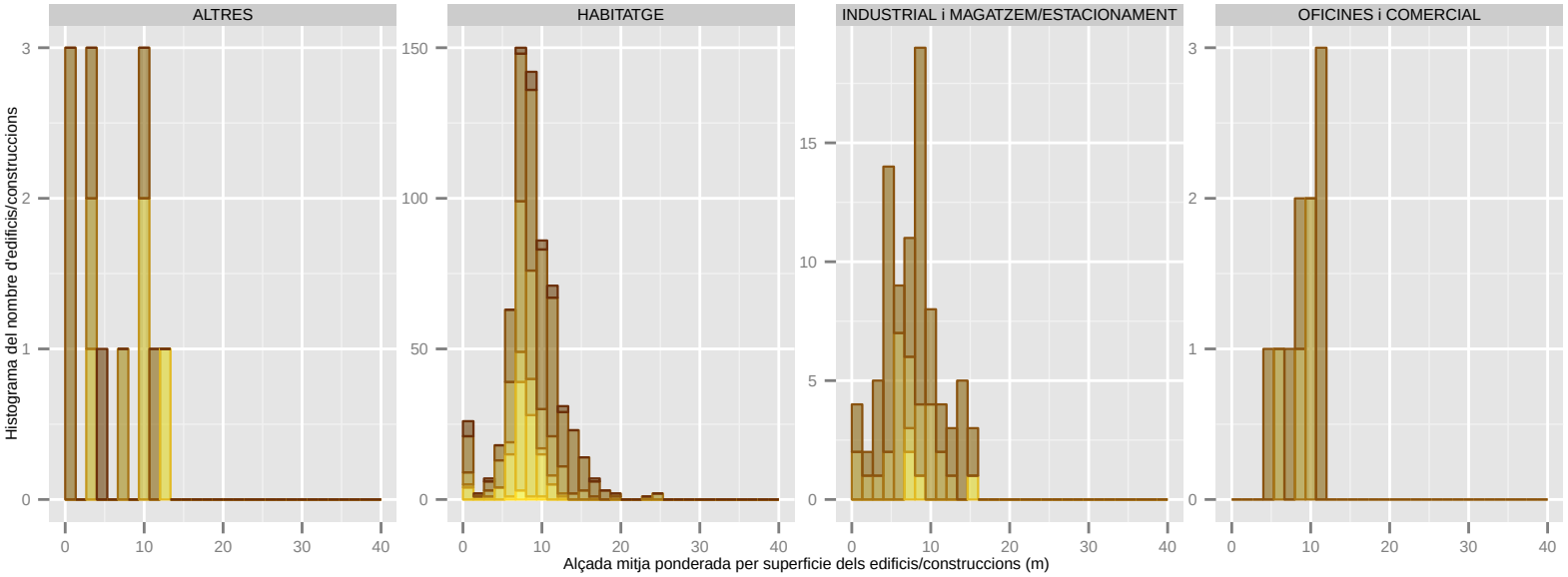
ada mitja ponderada per superficie dels edificis/construccions (m): SANT CLIMENT DE LLOBREG











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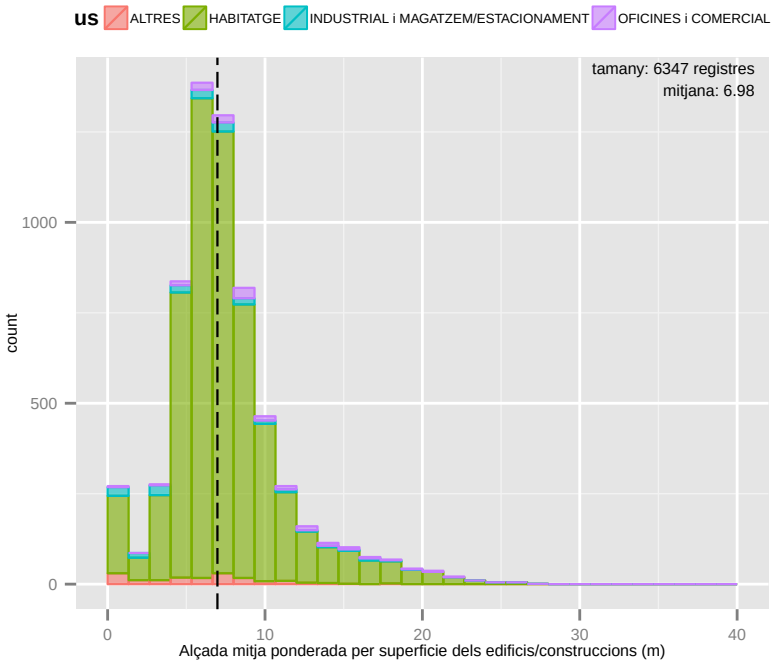
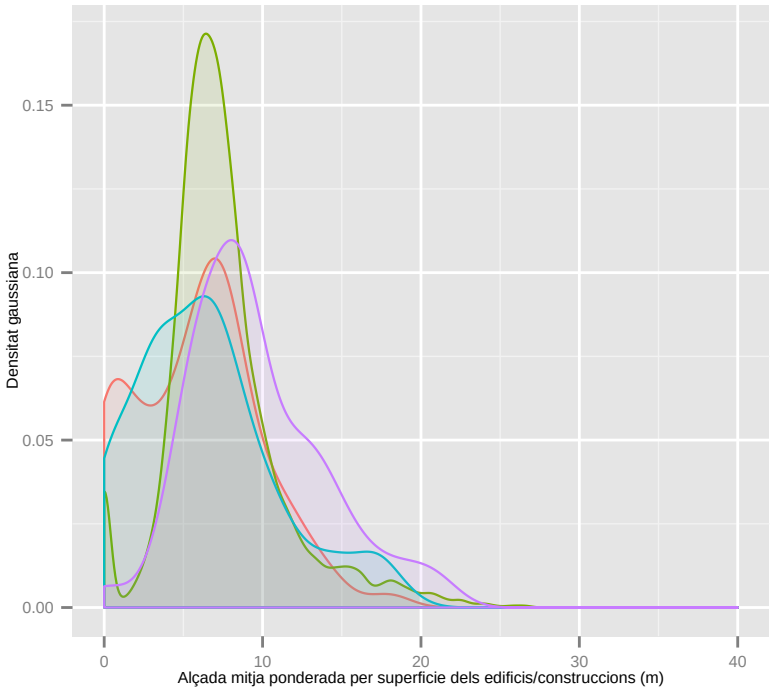
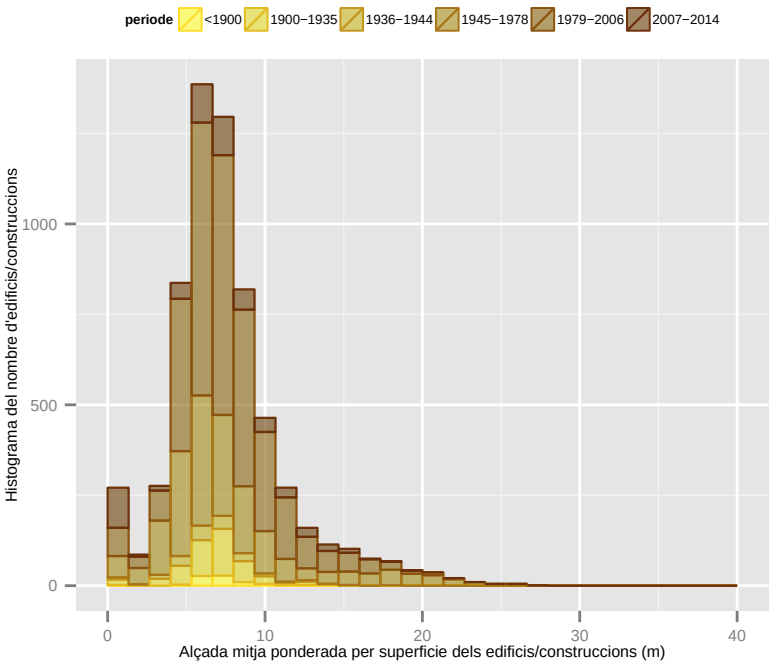
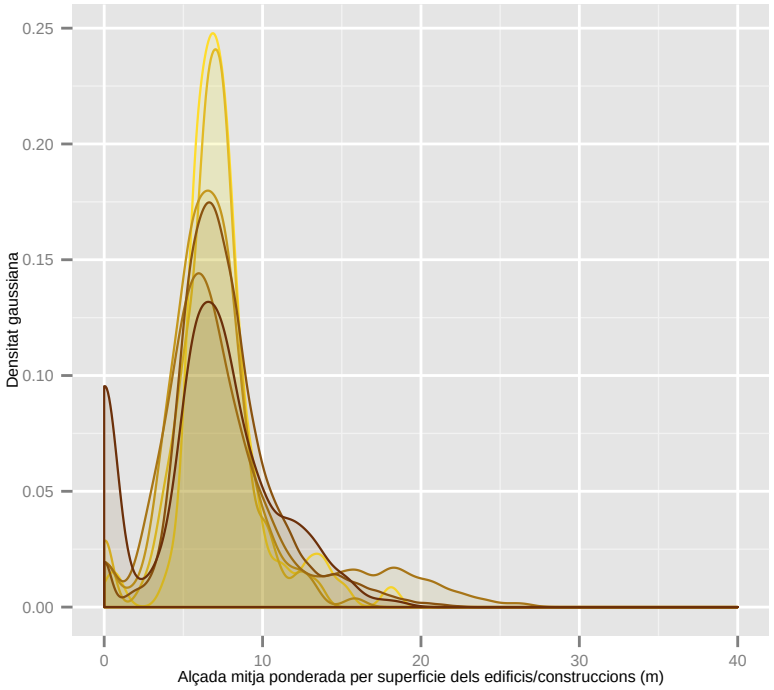
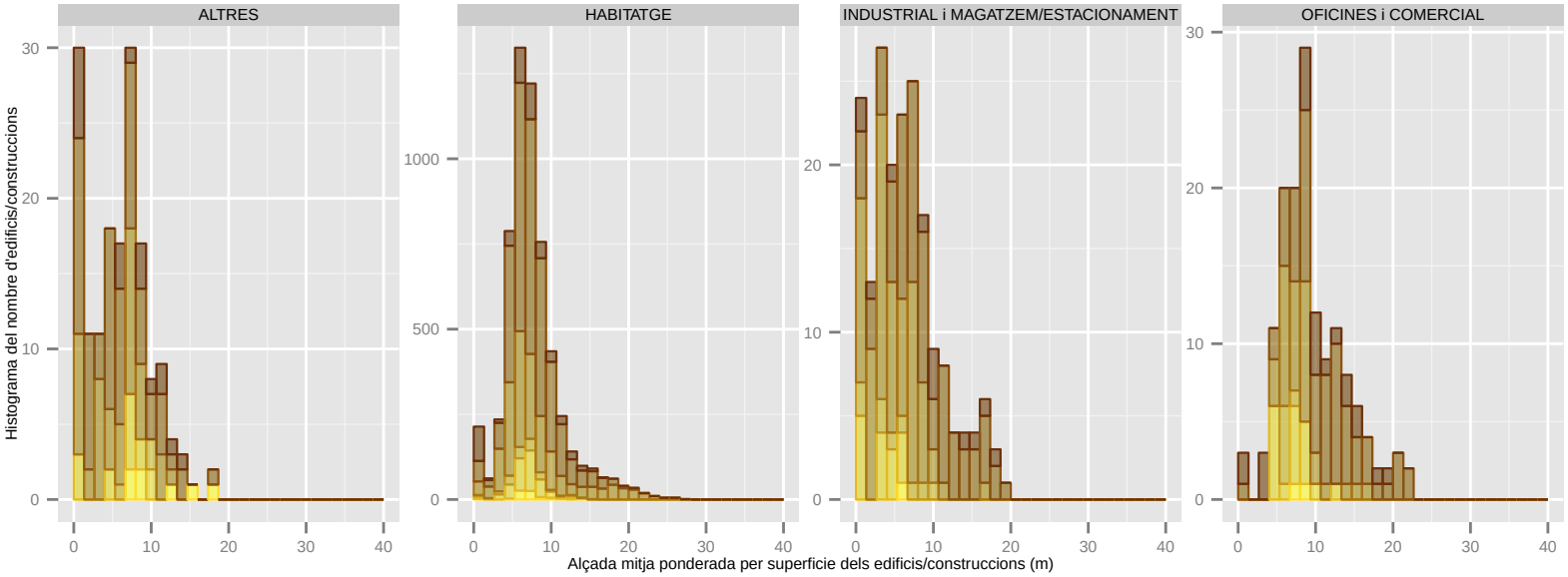
Alçada mitja ponderada per superficie dels edificis/construccions (m): SANT CUGAT DEL VALLES











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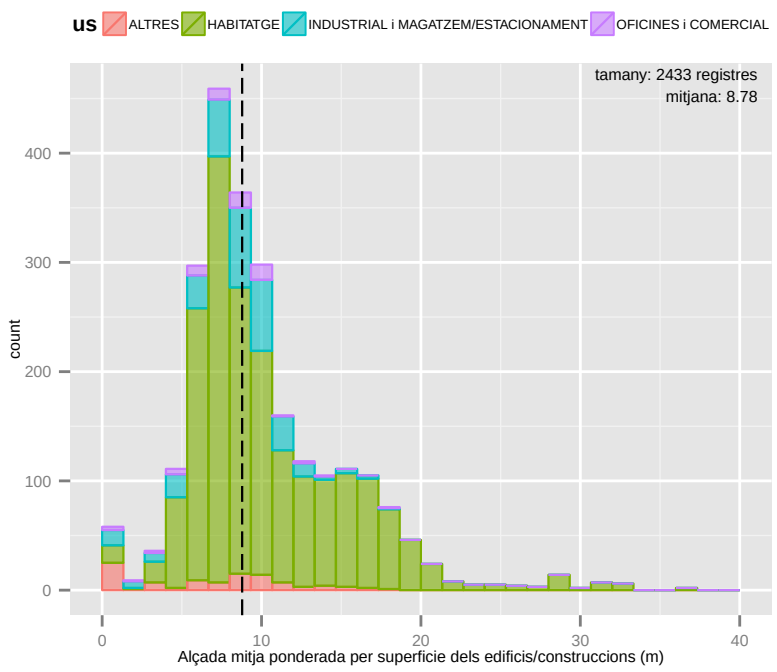
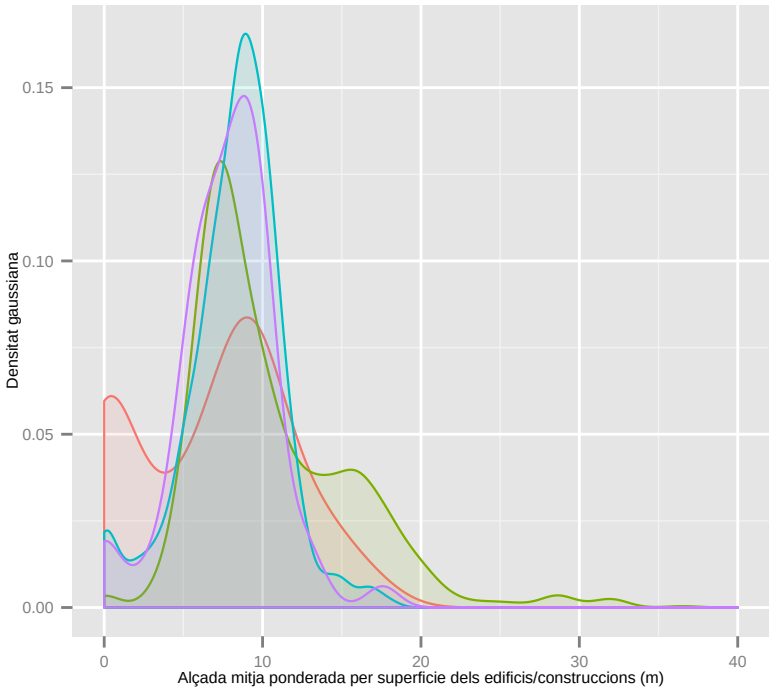
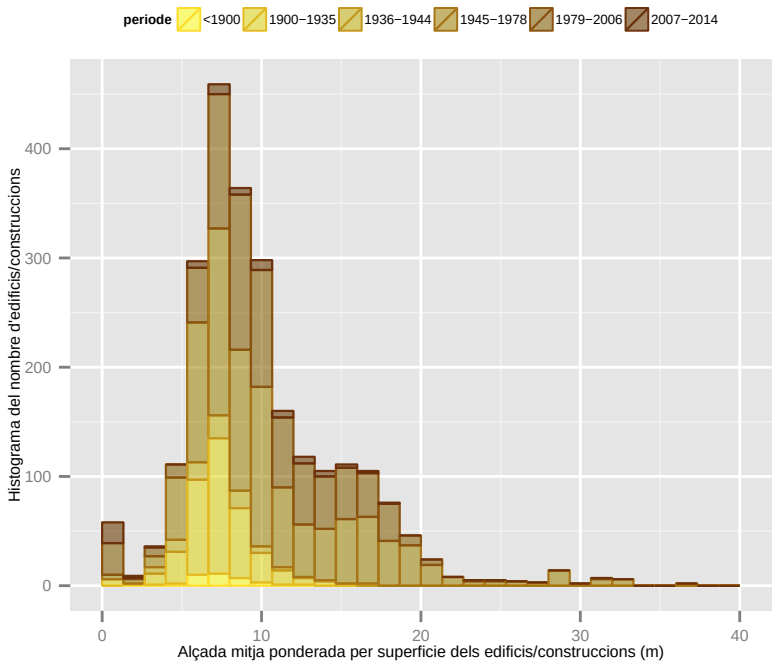
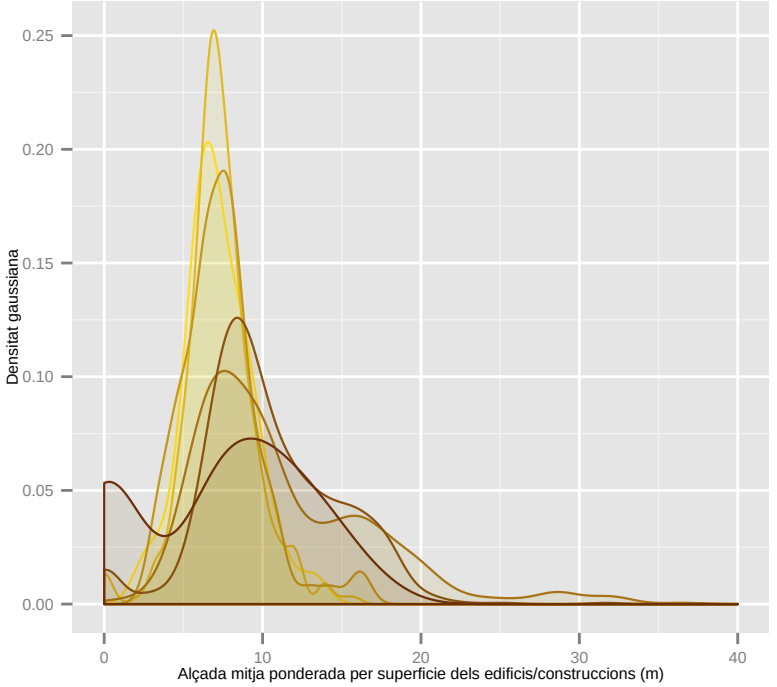
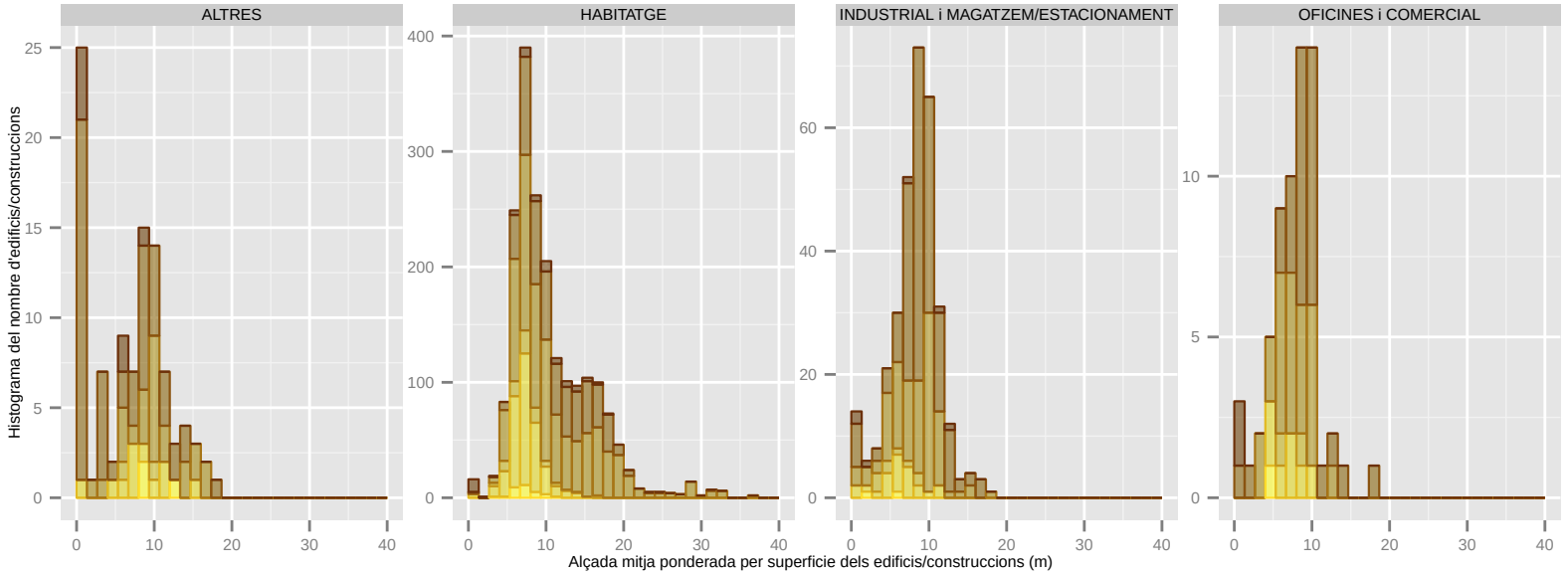
çada mitja ponderada per superficie dels edificis/construccions (m): SANT FELIU DE LLOBREGA











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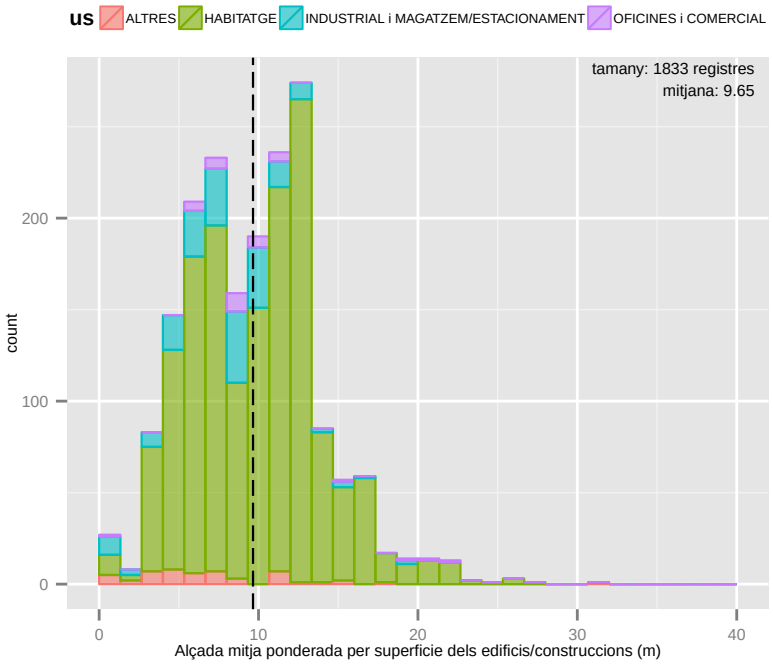
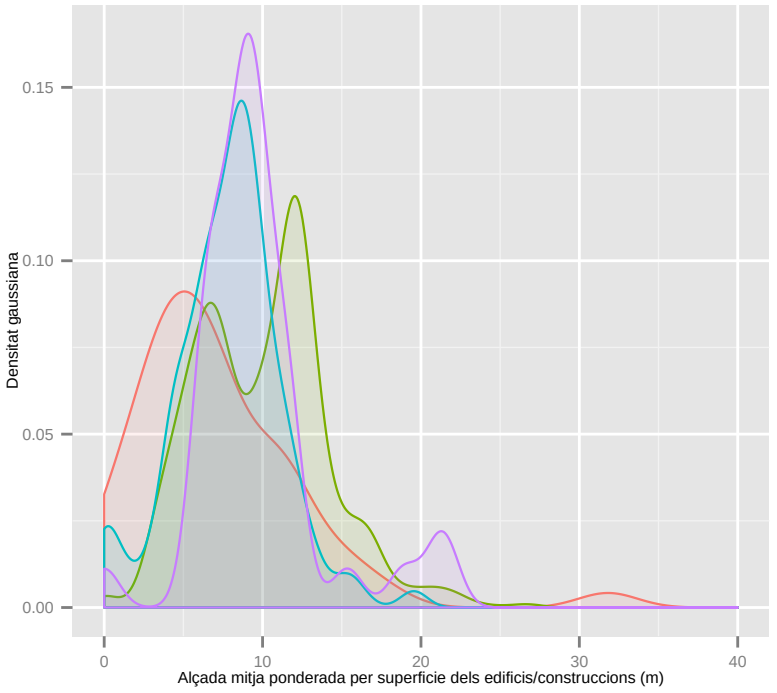
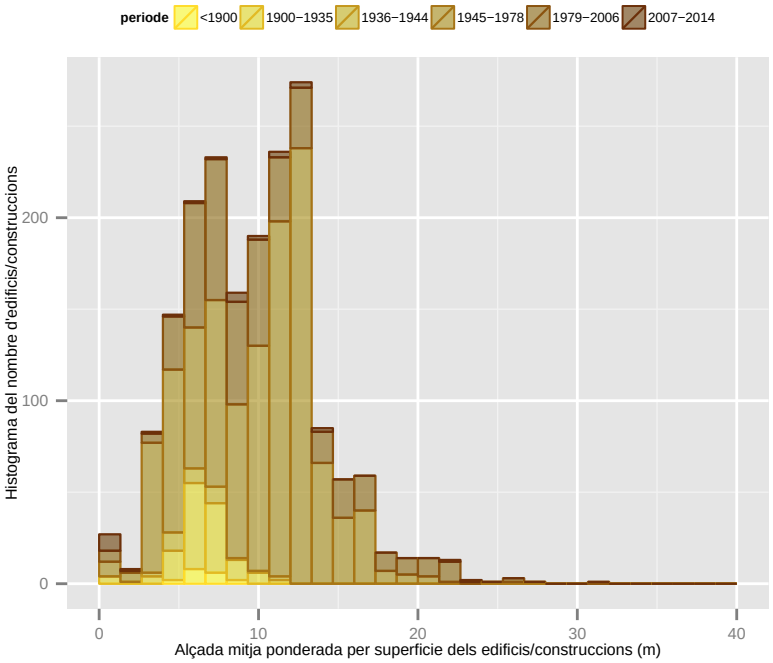
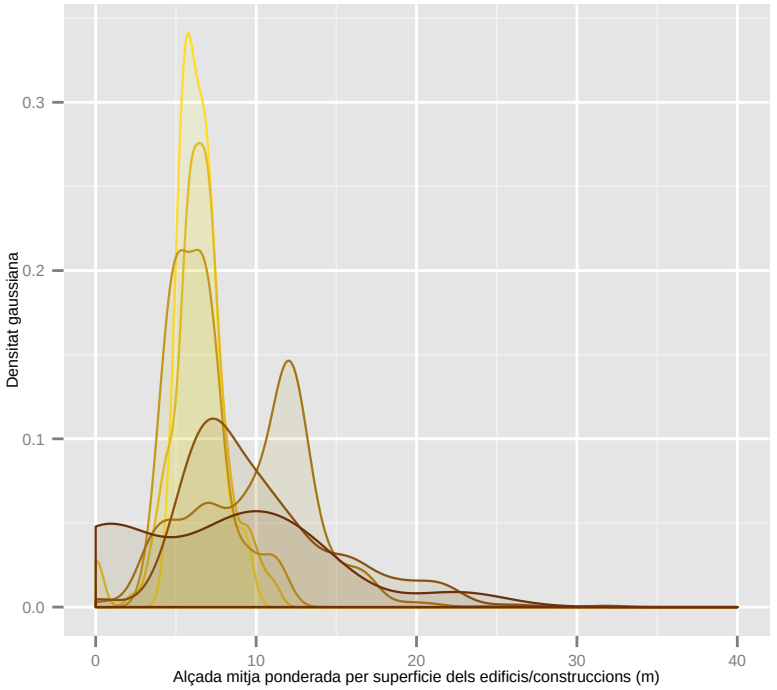
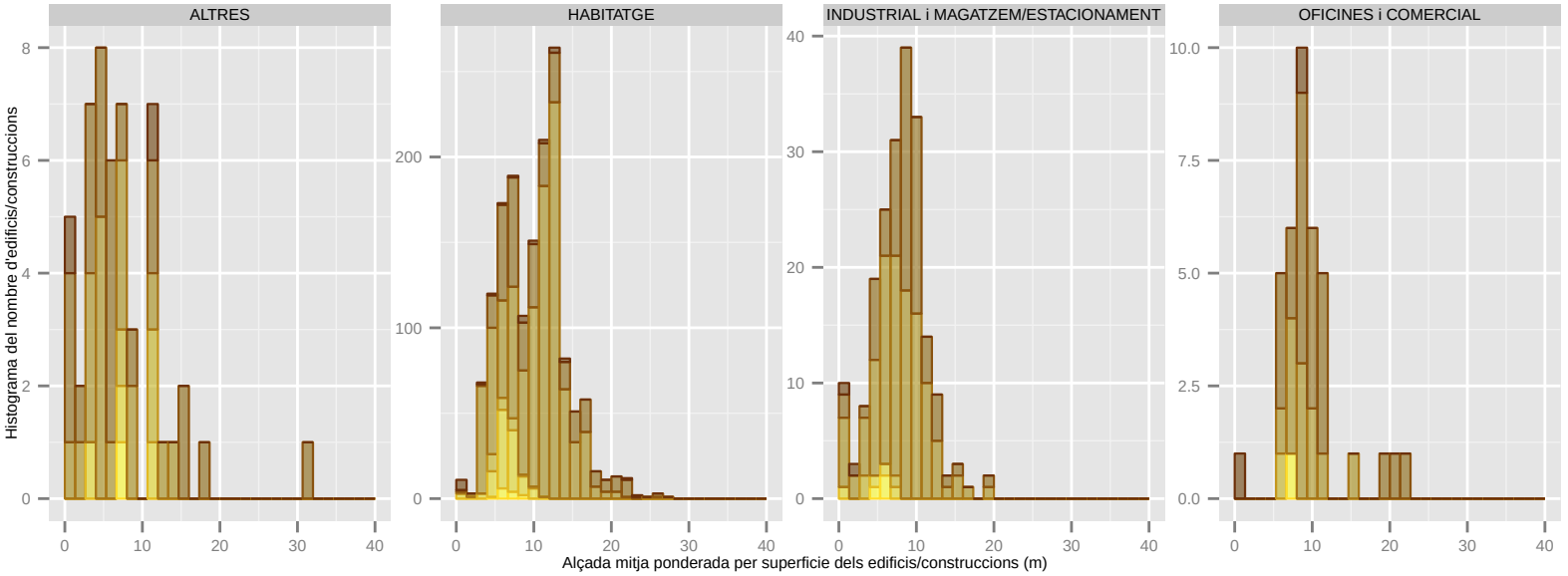
Alçada mitja ponderada per superficie dels edificis/construccions (m): SANT JOAN DESPI











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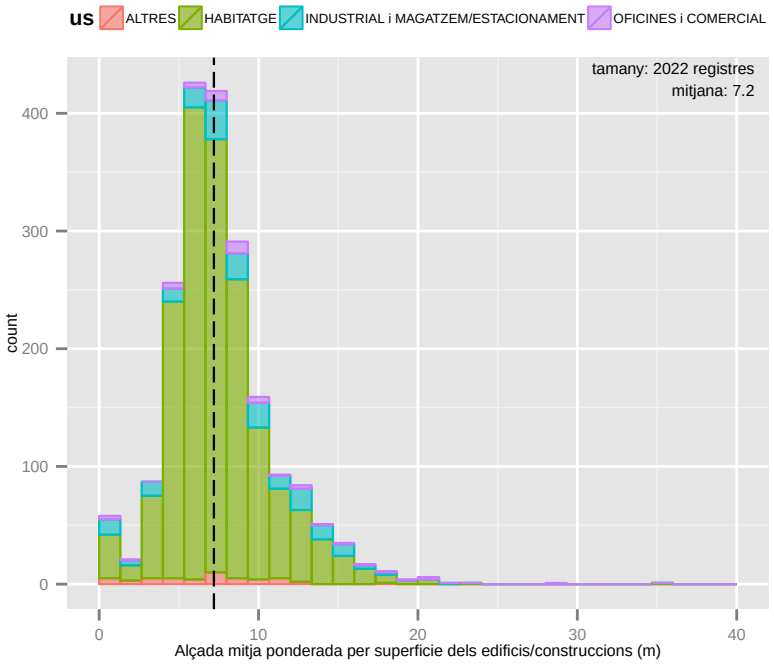
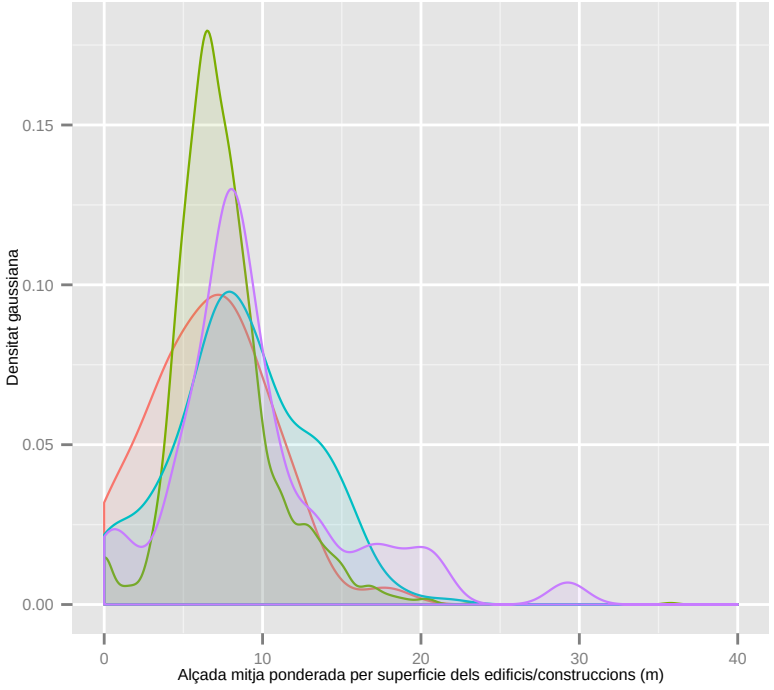
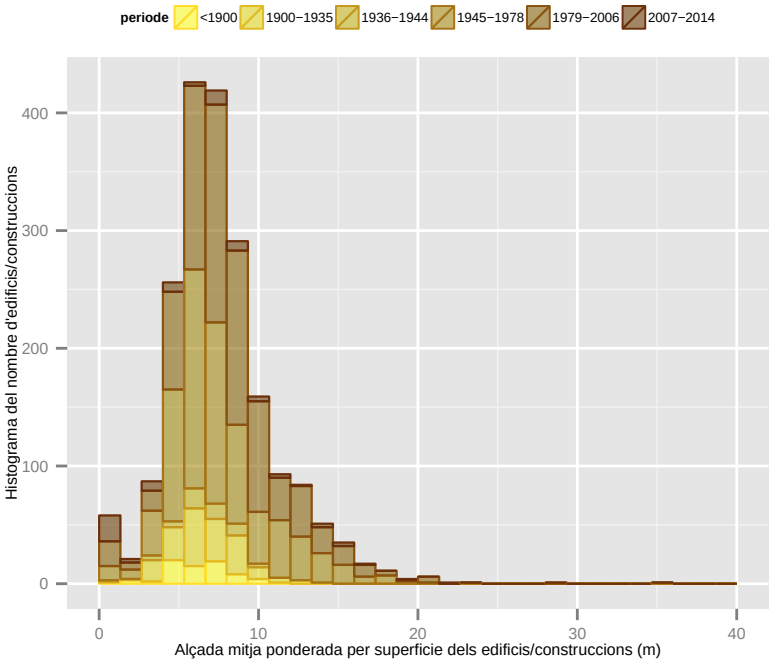
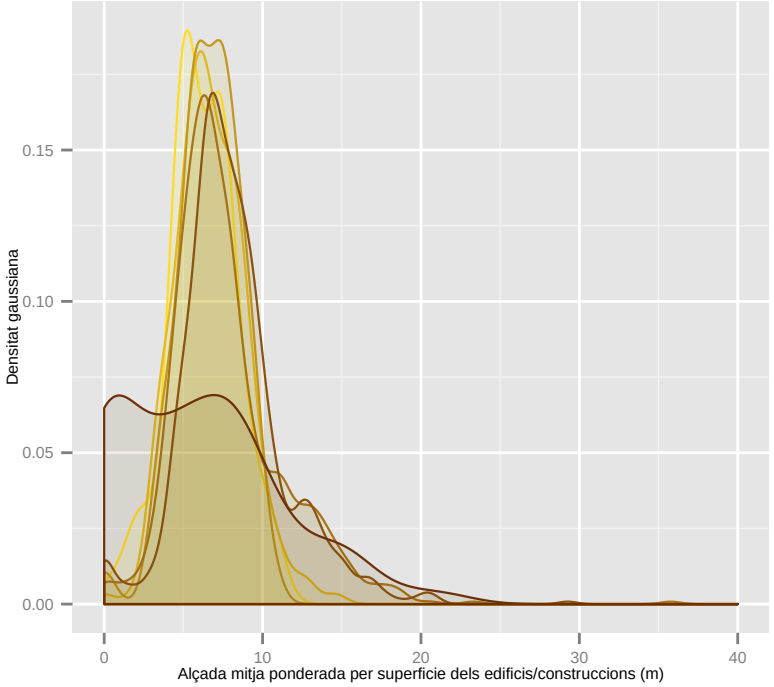
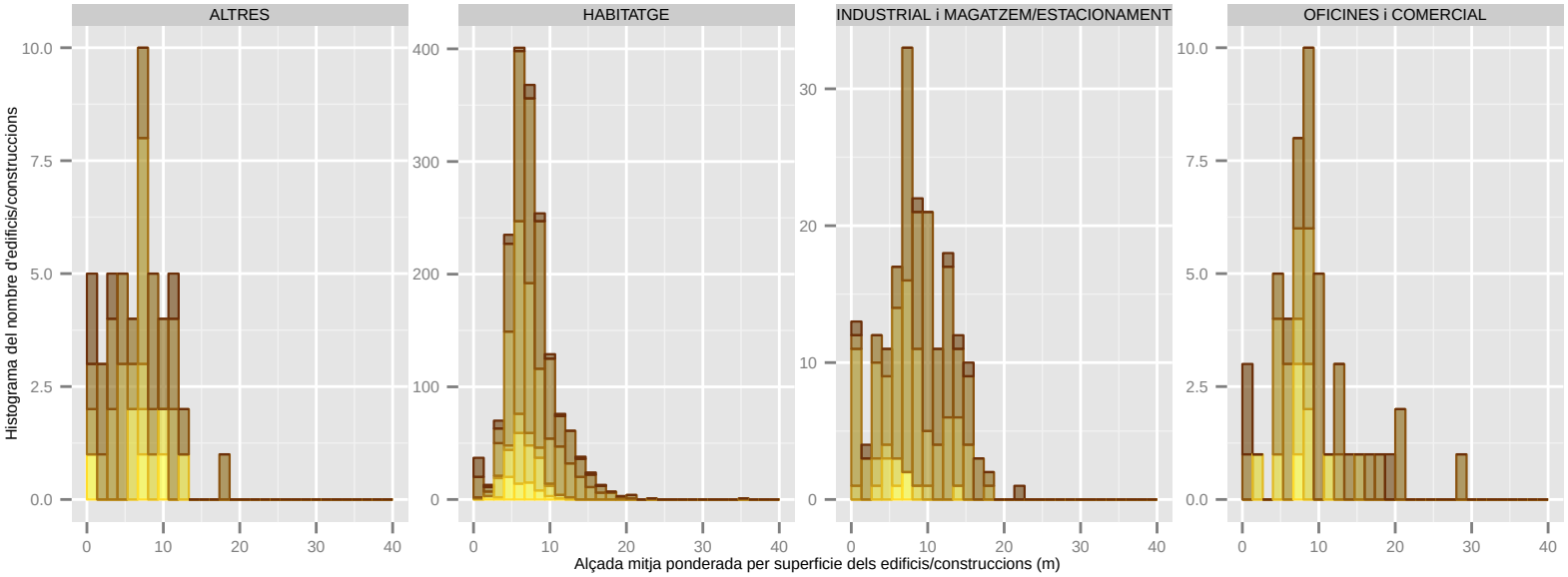
Alçada mitja ponderada per superficie dels edificis/construccions (m): SANT JUST DESVERN





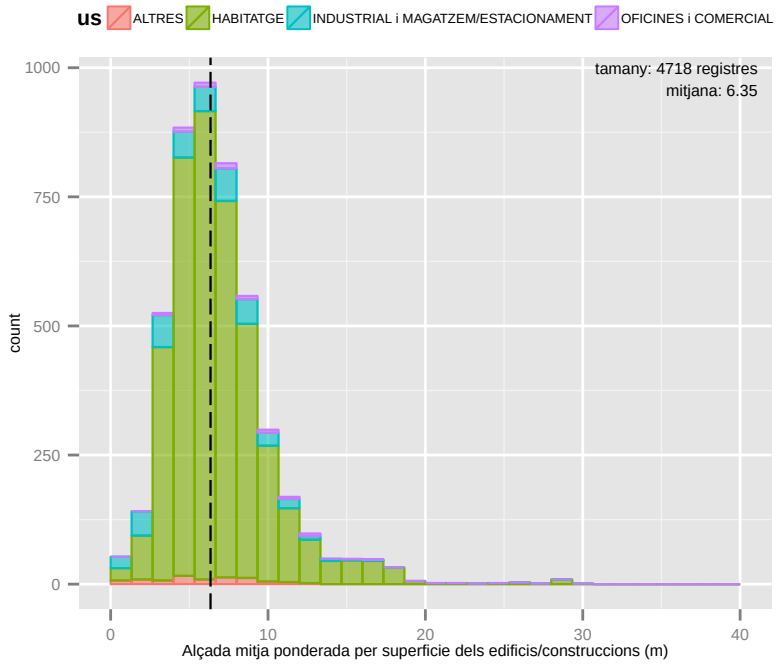


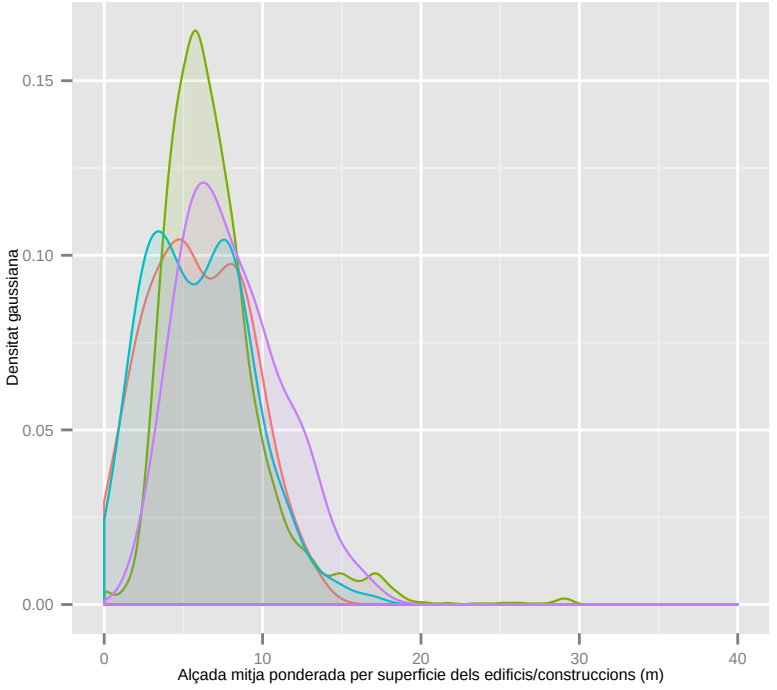


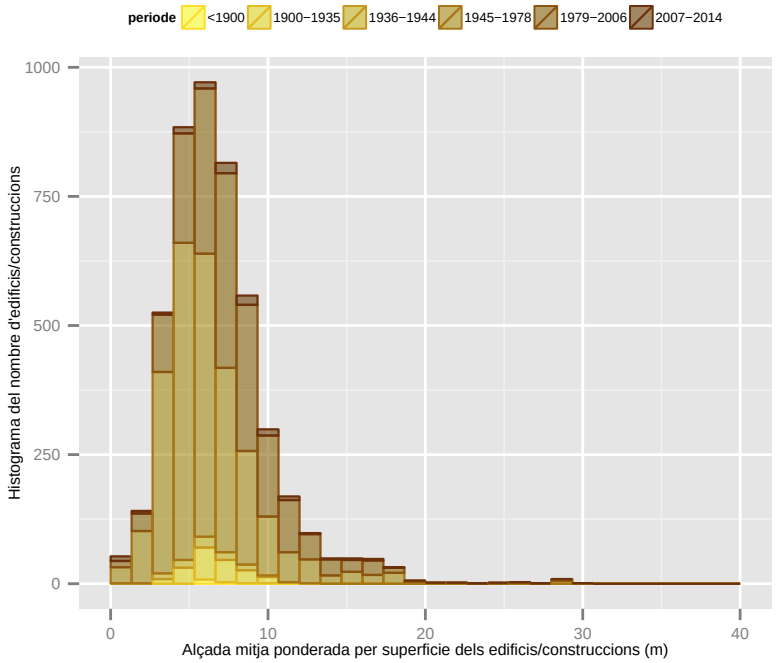


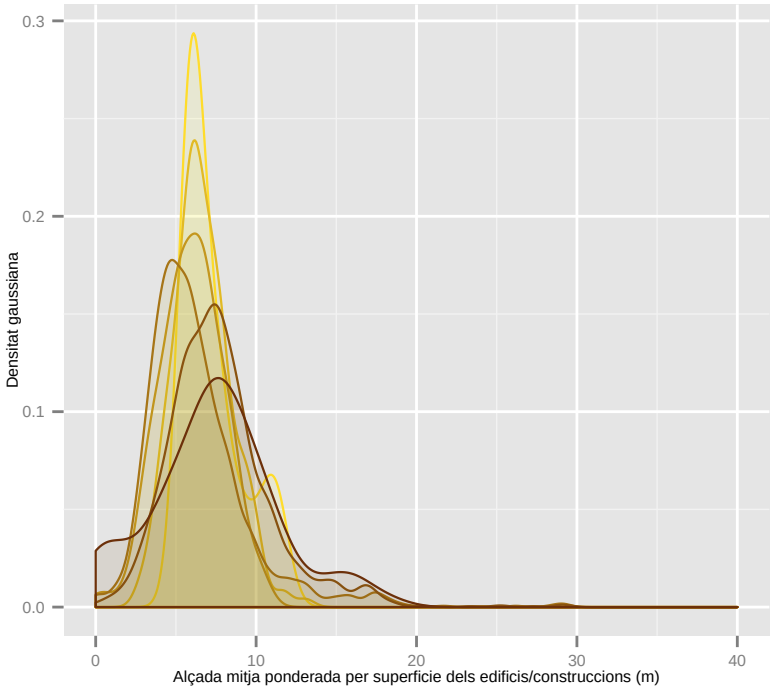
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

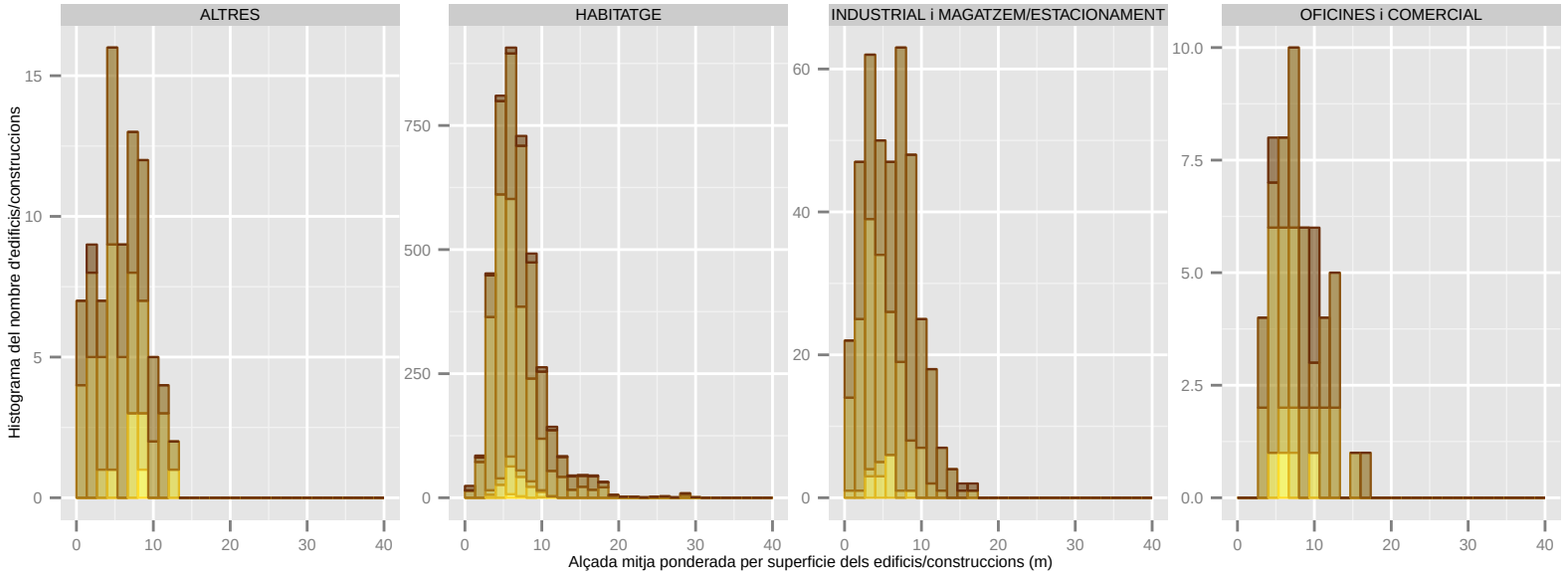
çada mitja ponderada per superficie dels edificis/construccions (m): SANT VICENÃ‡ DELS HORT











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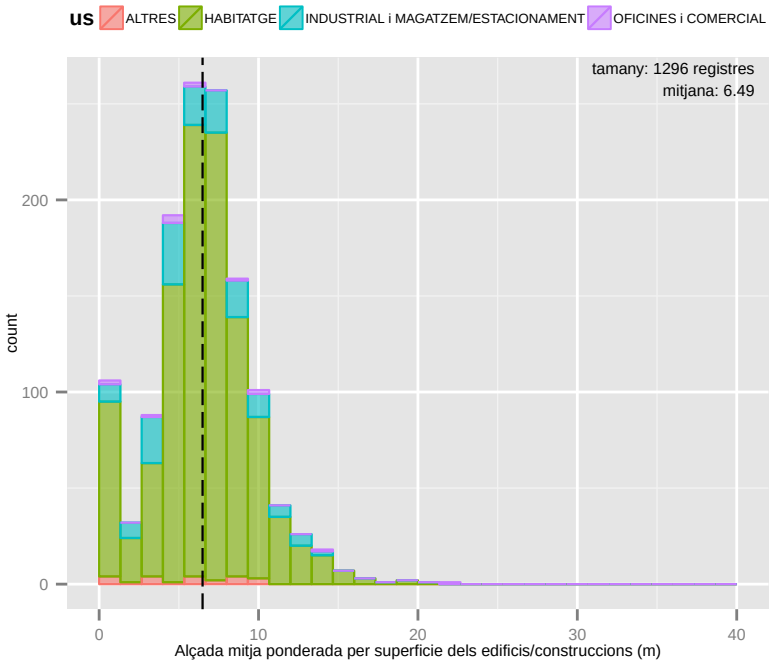
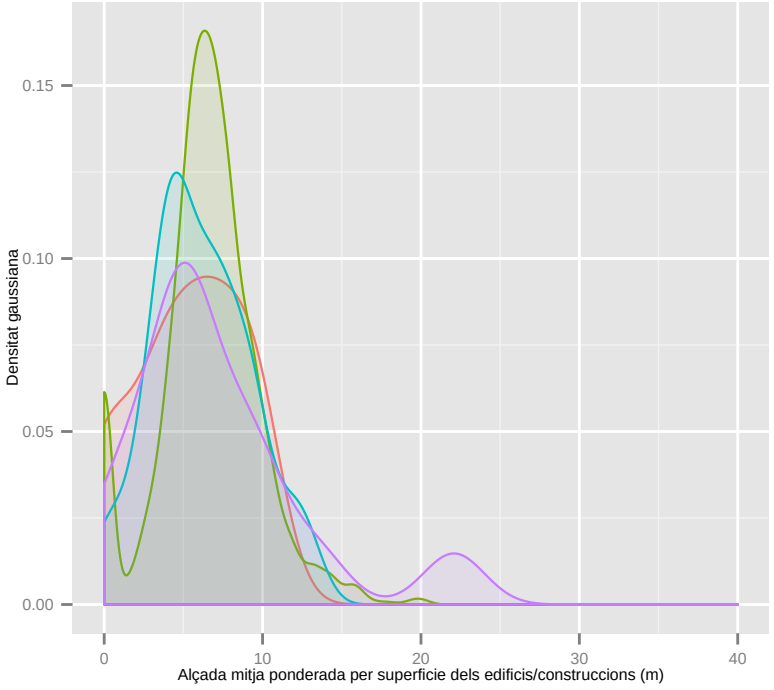
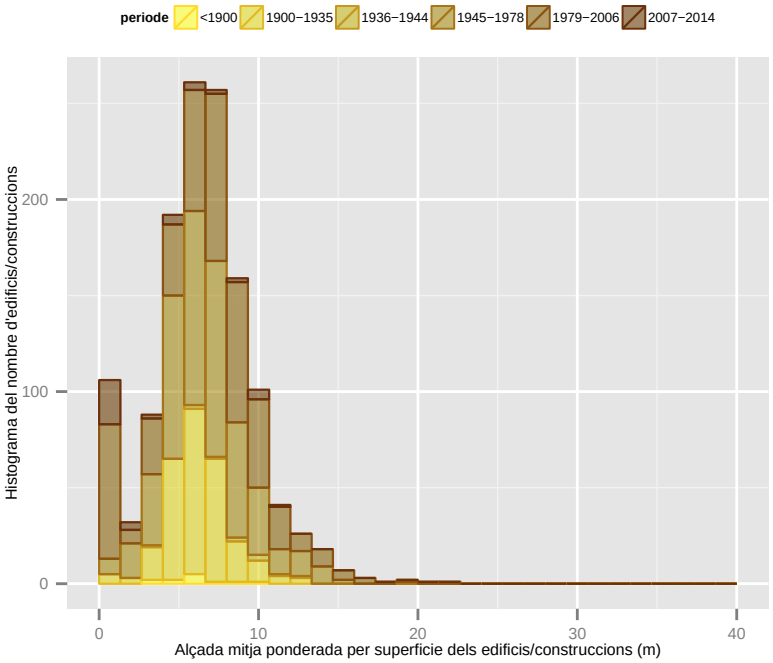
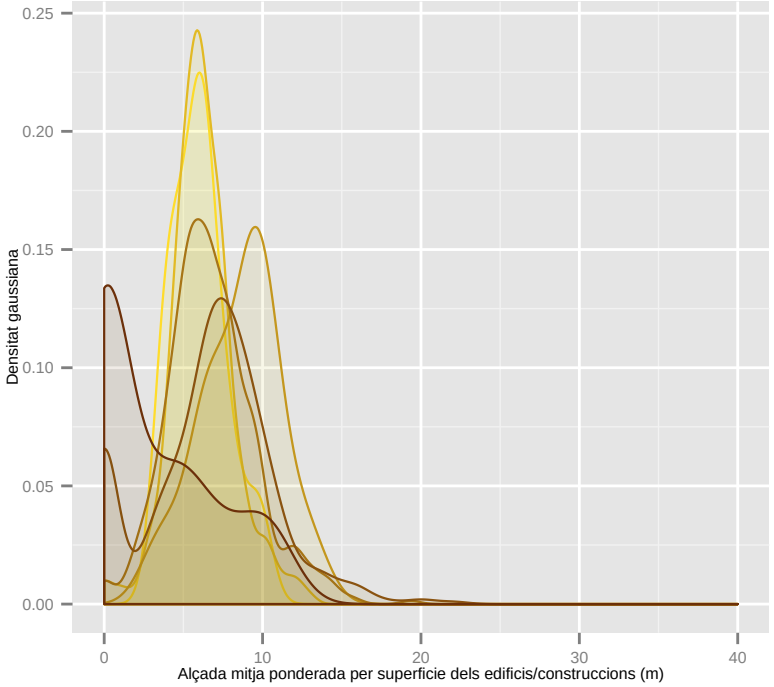
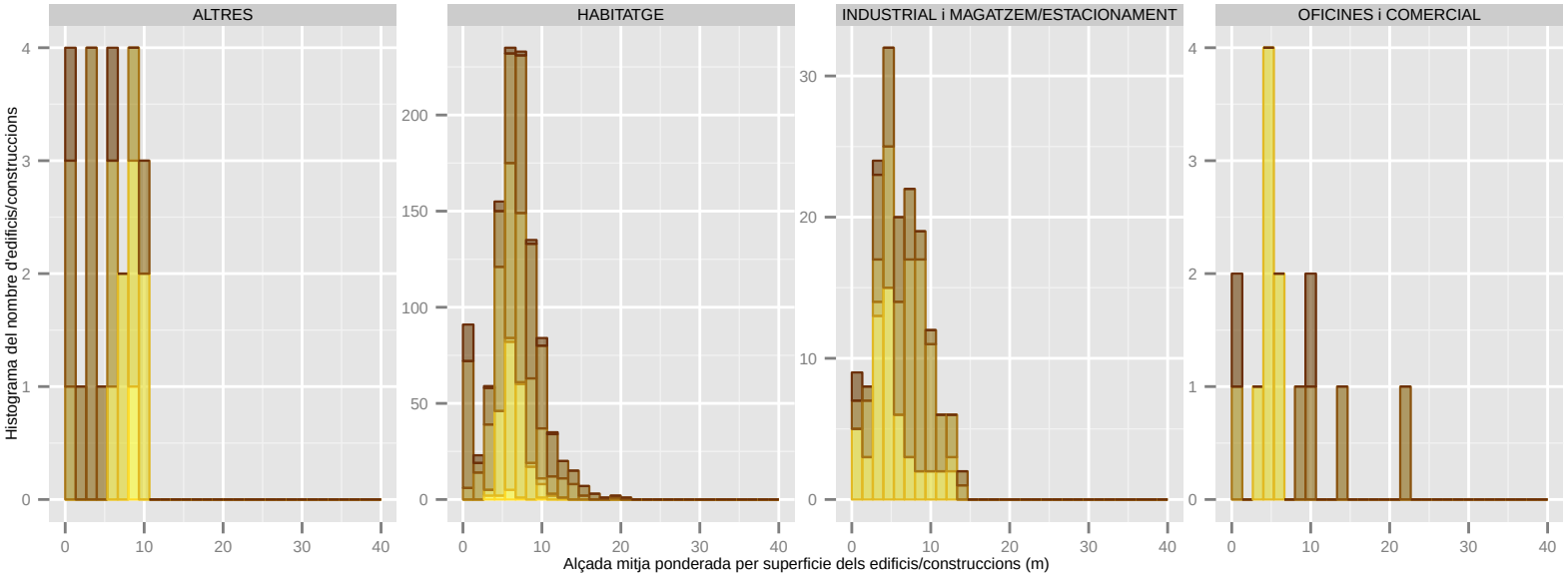
ada mitja ponderada per superficie dels edificis/construccions (m): SANTA COLOMA DE CERVEI











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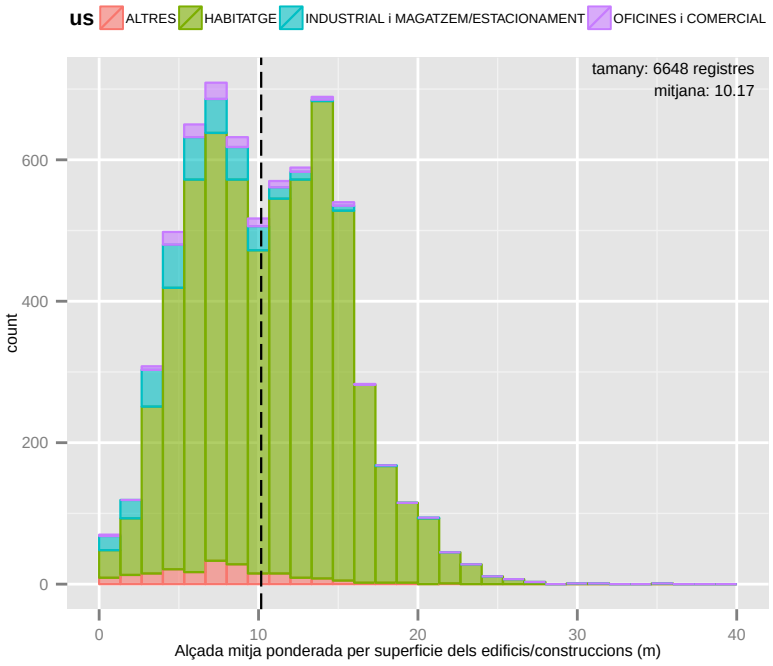
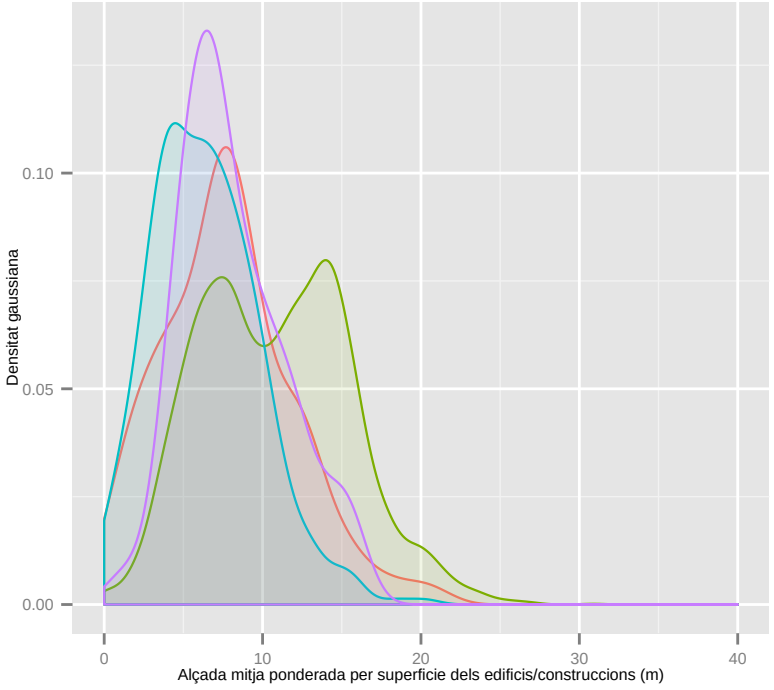
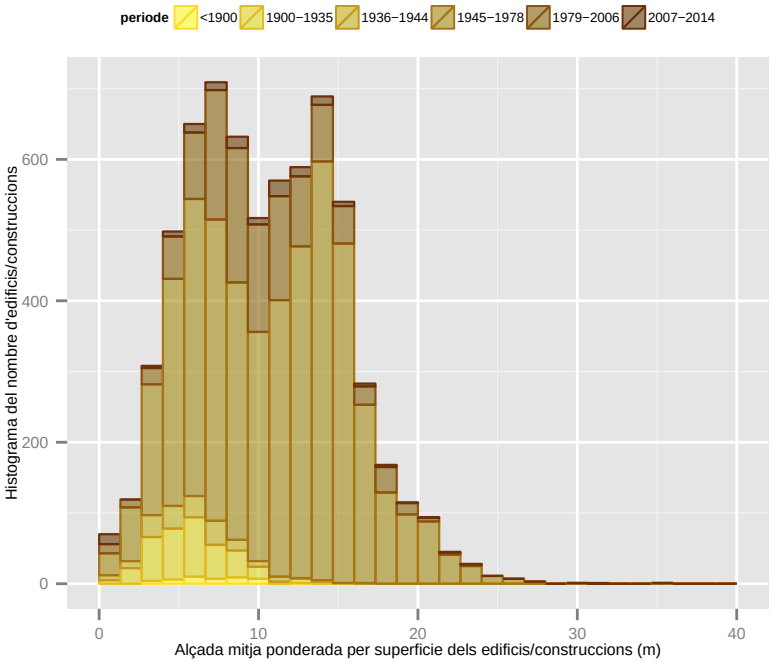
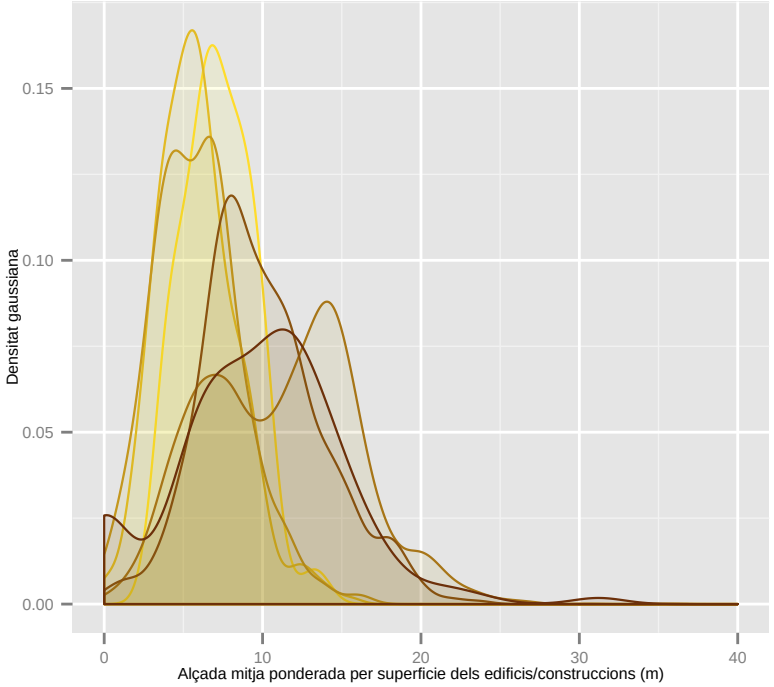
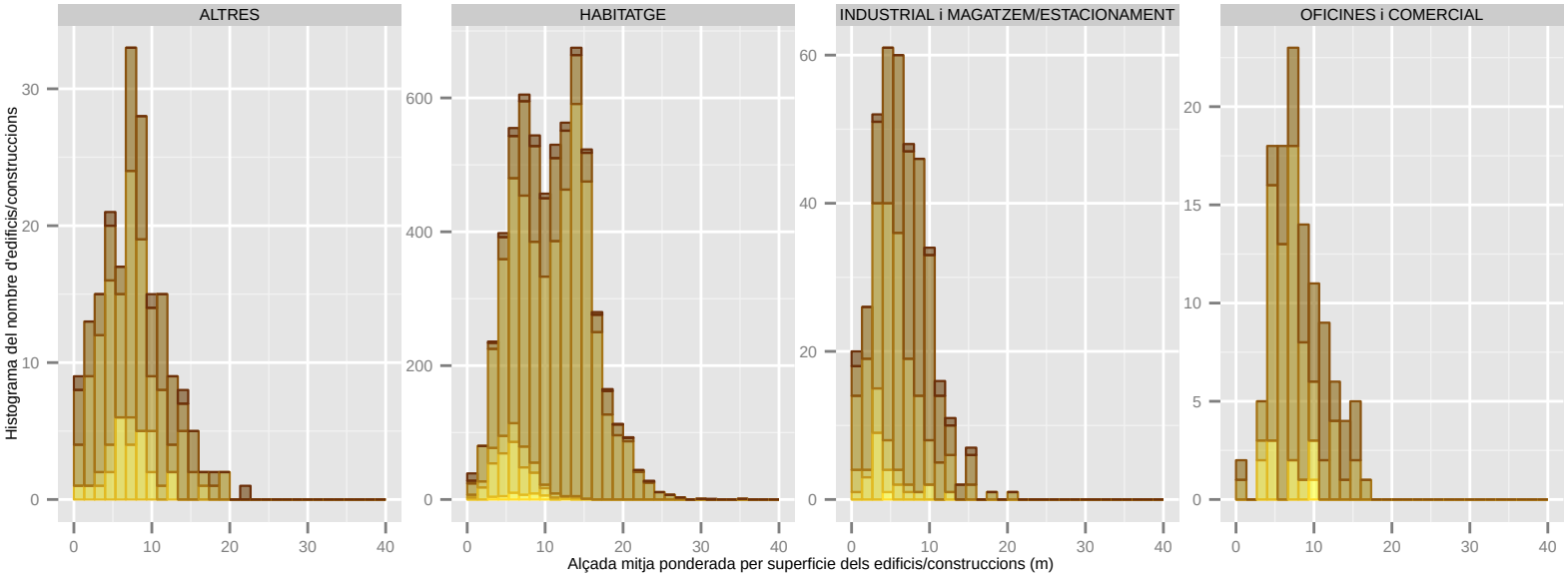
ada mitja ponderada per superficie dels edificis/construccions (m): SANTA COLOMA DE GRAME











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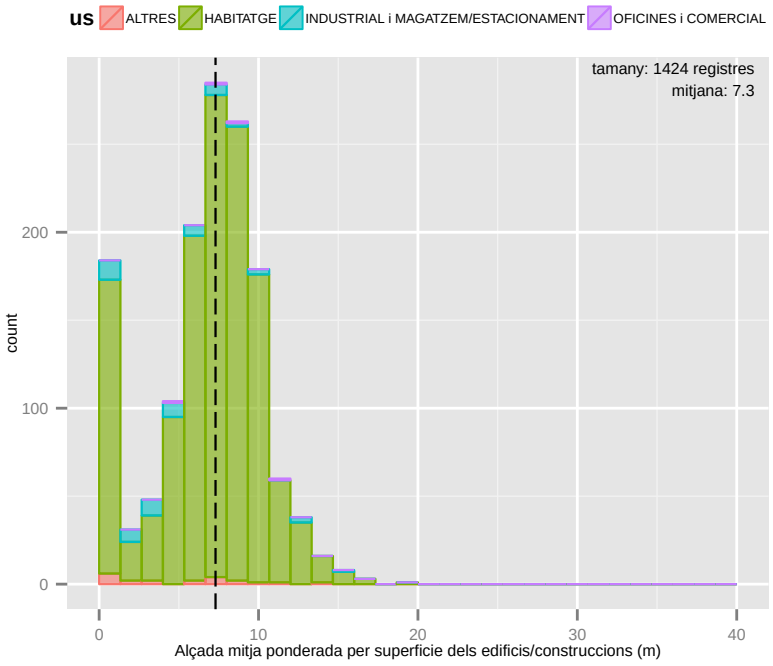
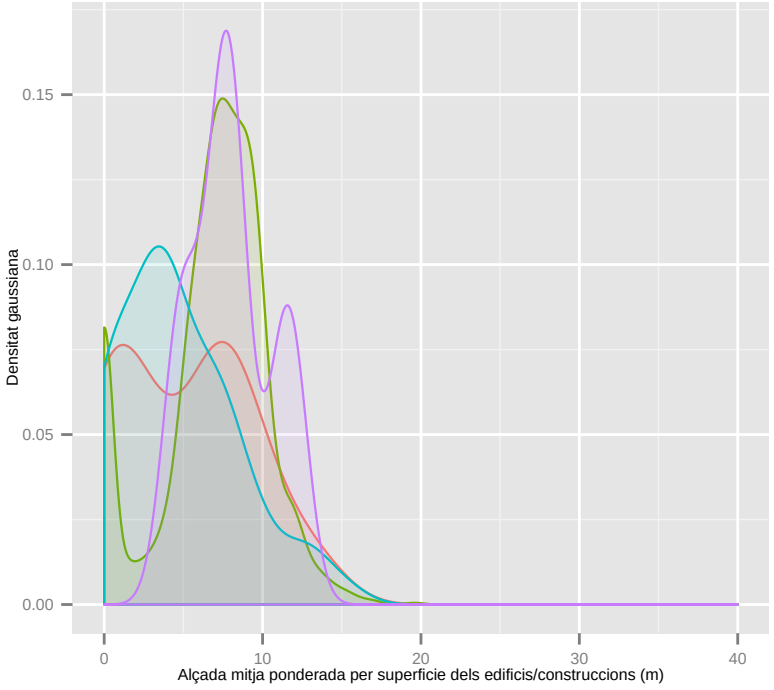
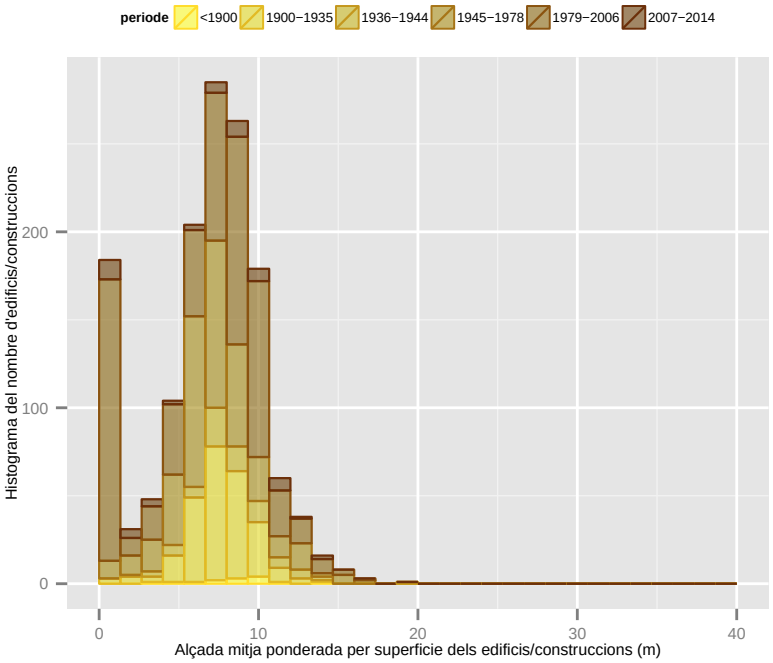
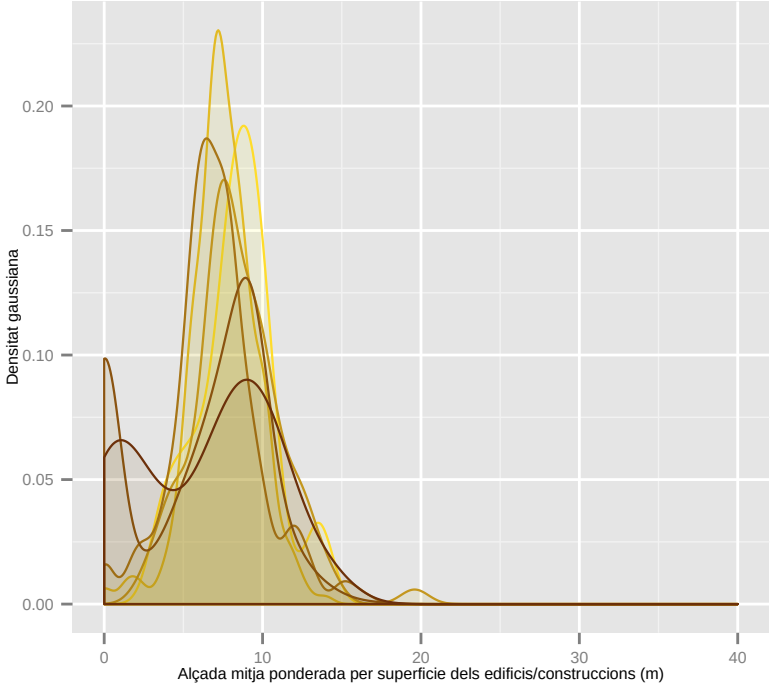
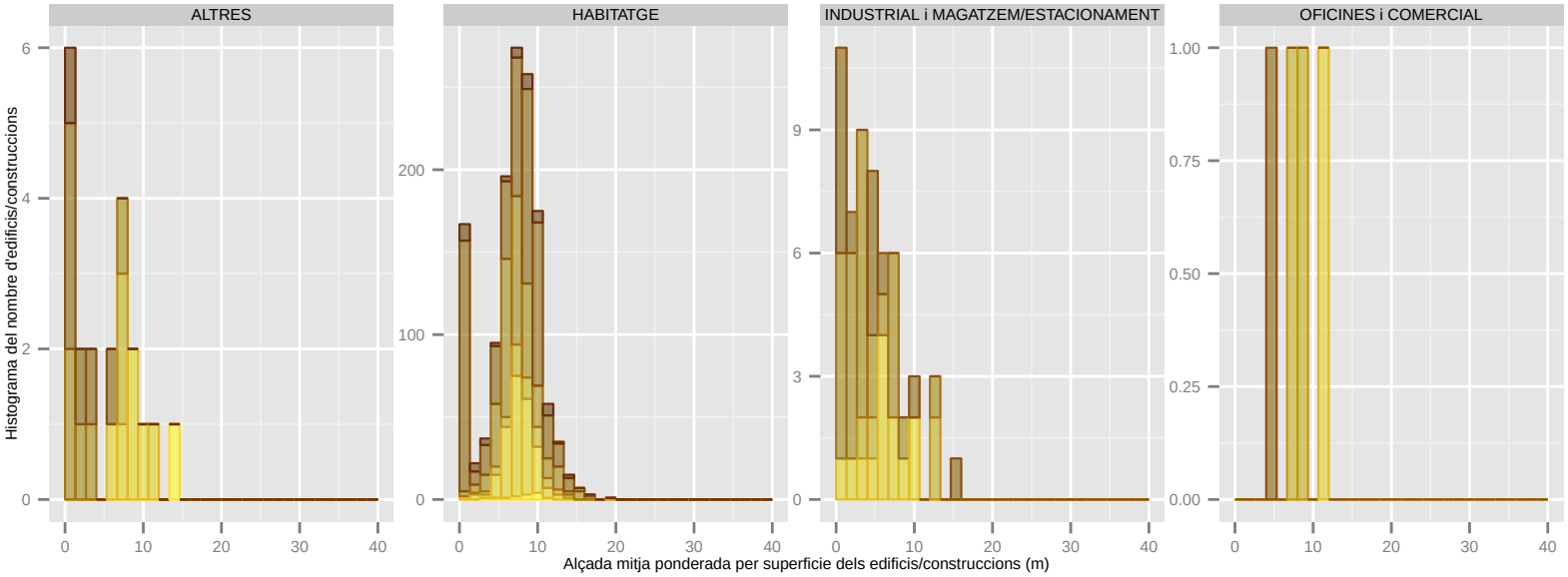
Alçada mitja ponderada per superficie dels edificis/construccions (m): TIANA





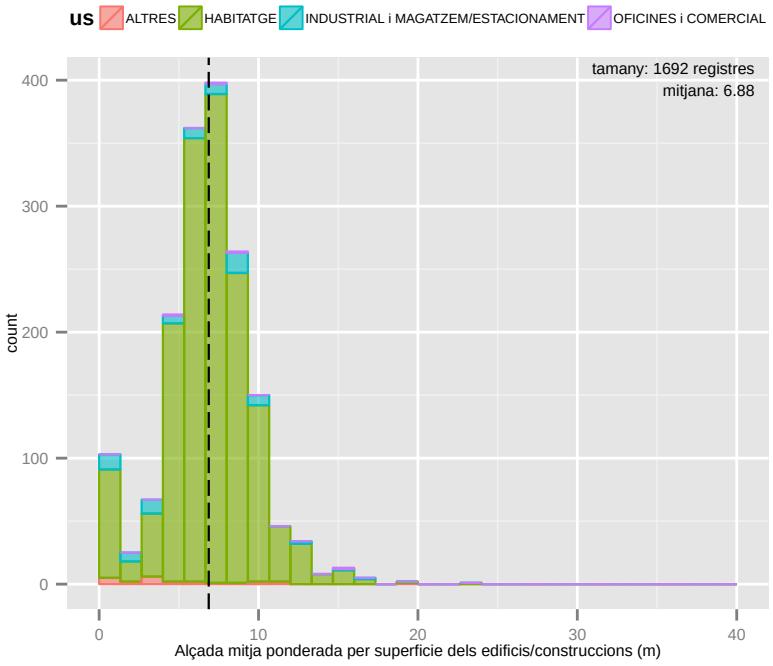


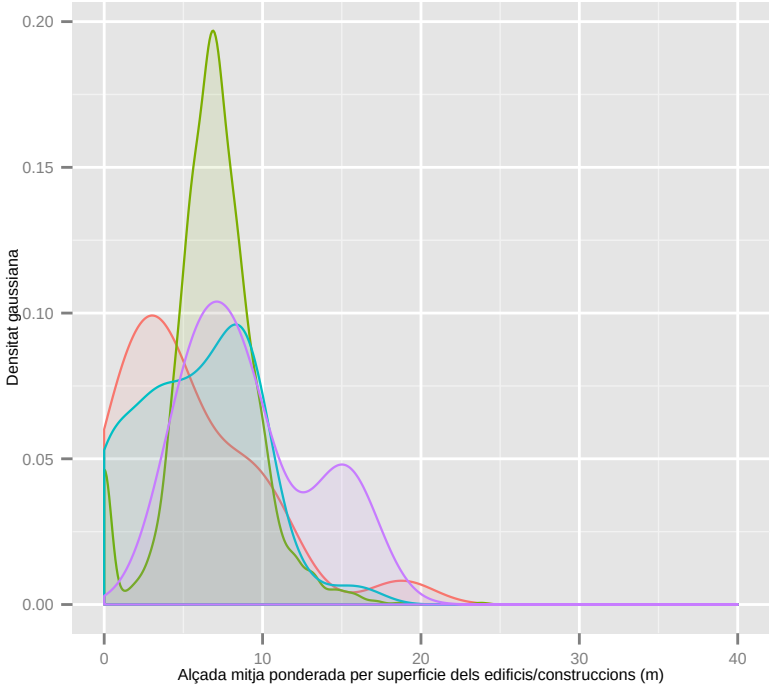


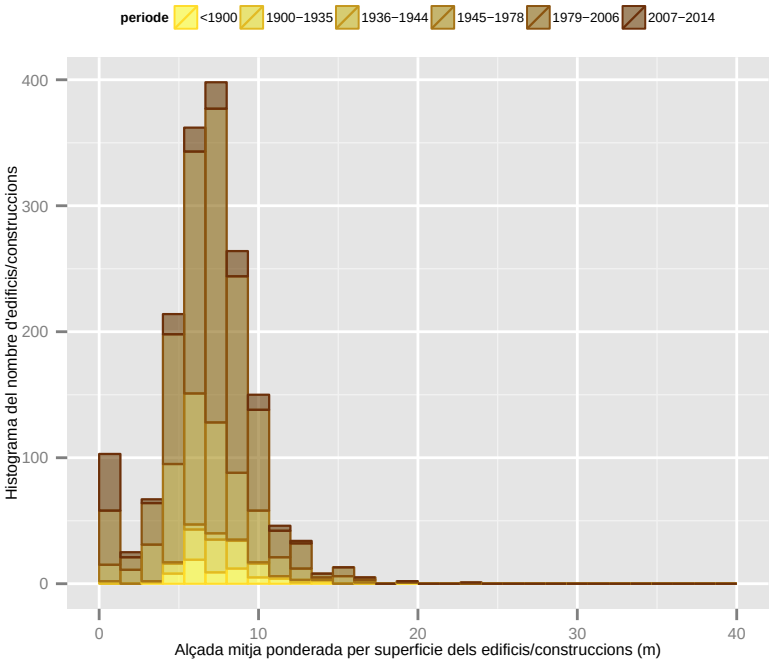


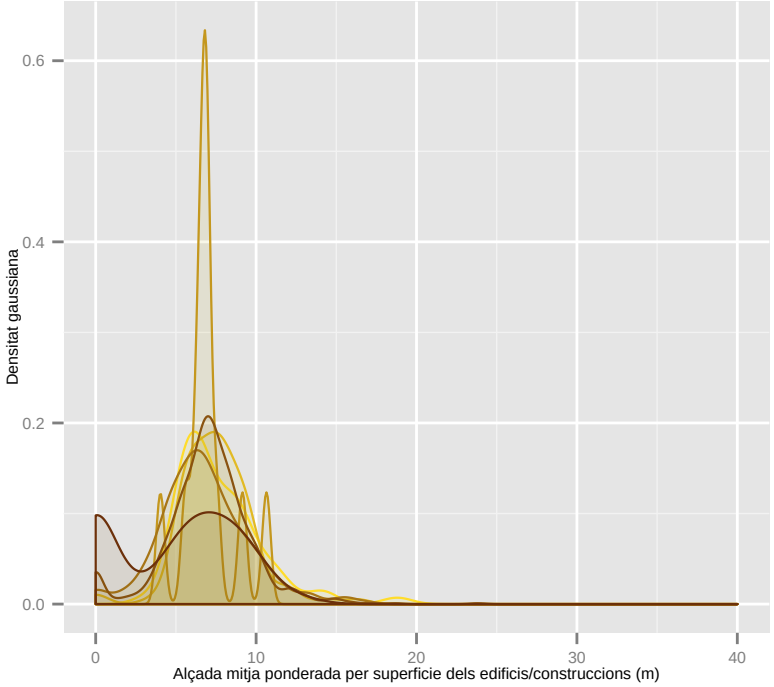
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

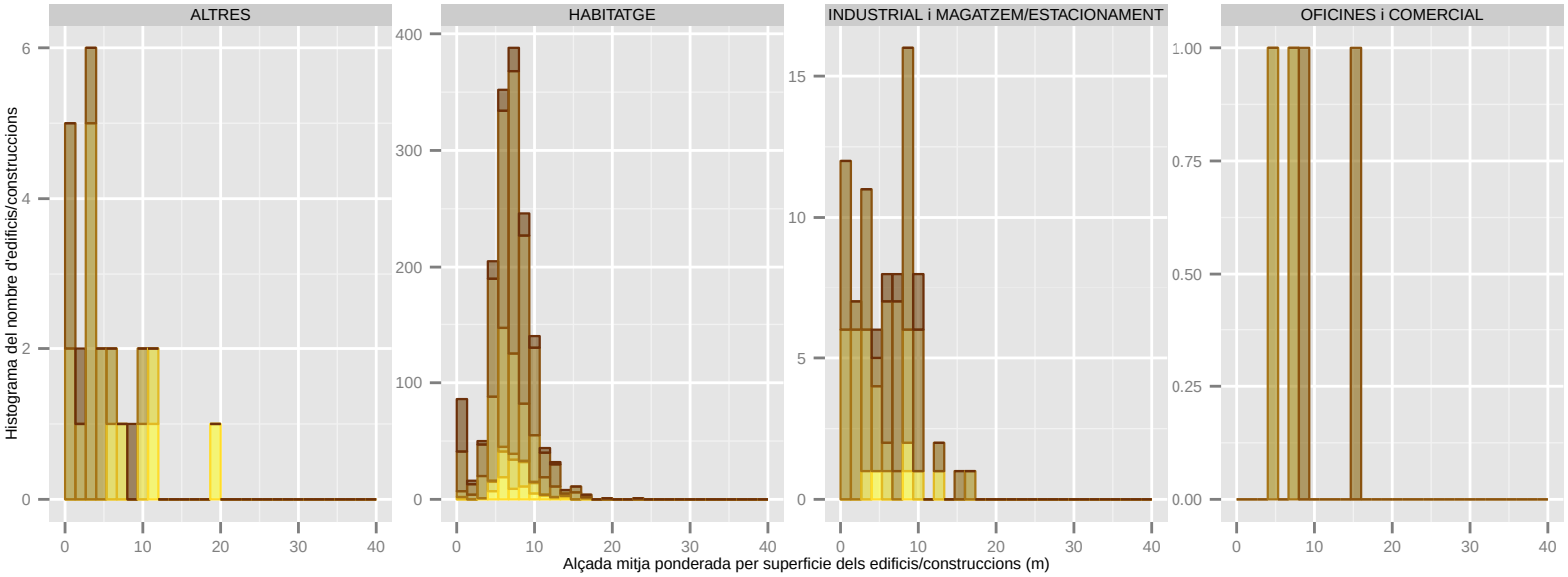
çada mitja ponderada per superficie dels edificis/construccions (m): TORRELLES DE LLOBREGA





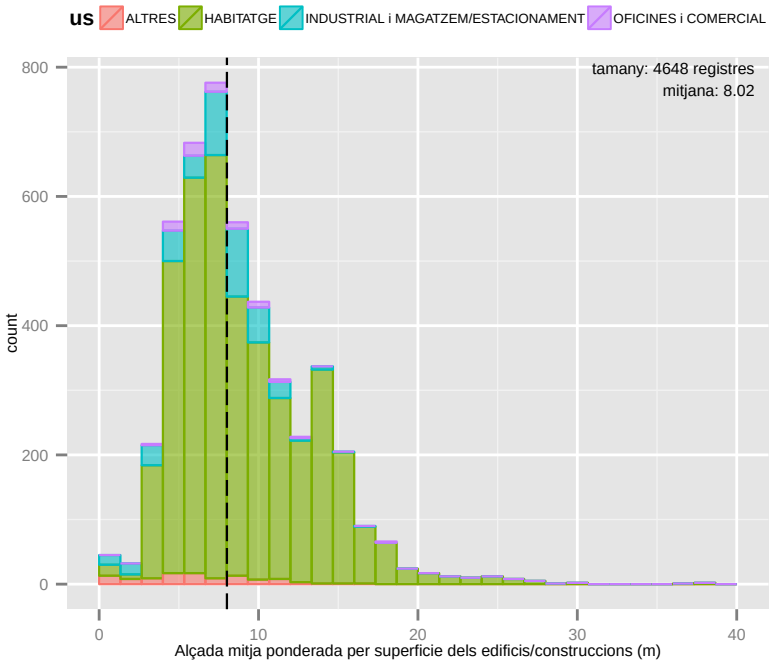


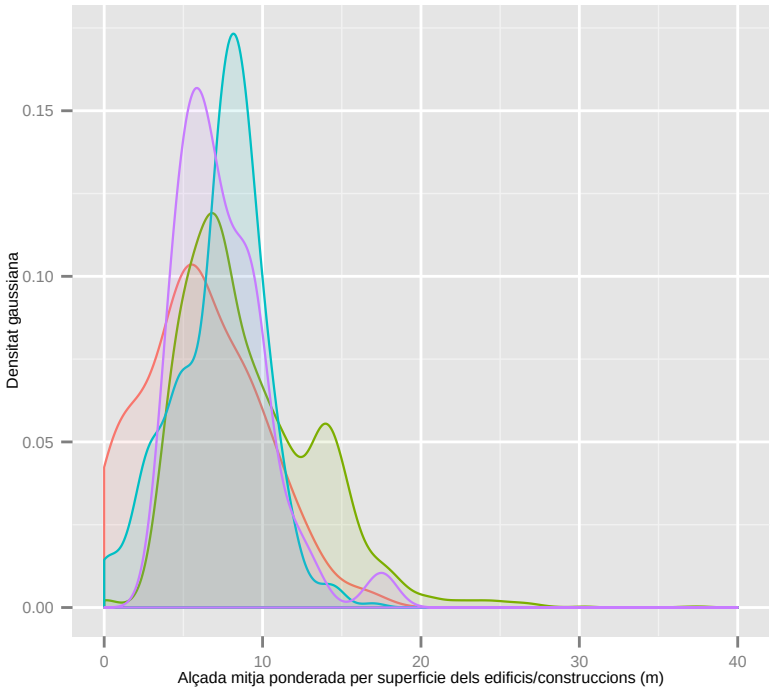


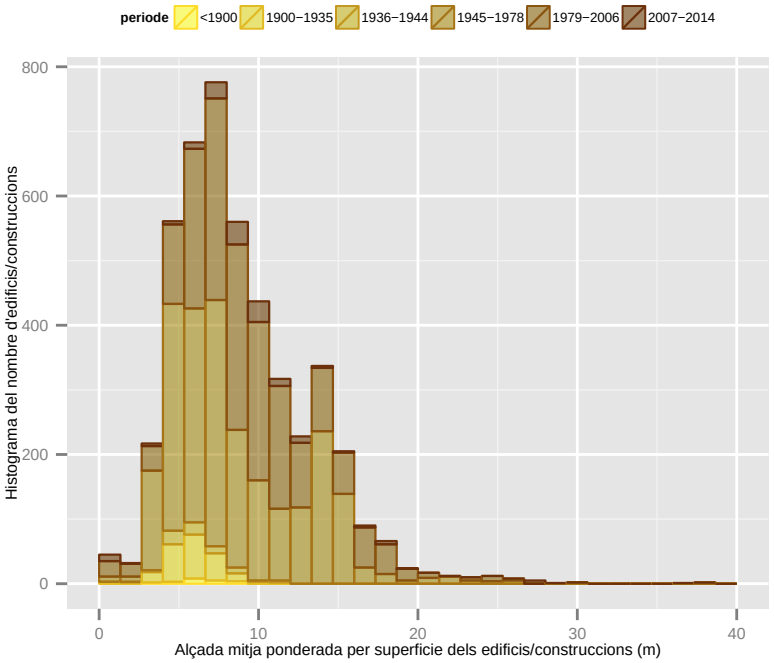


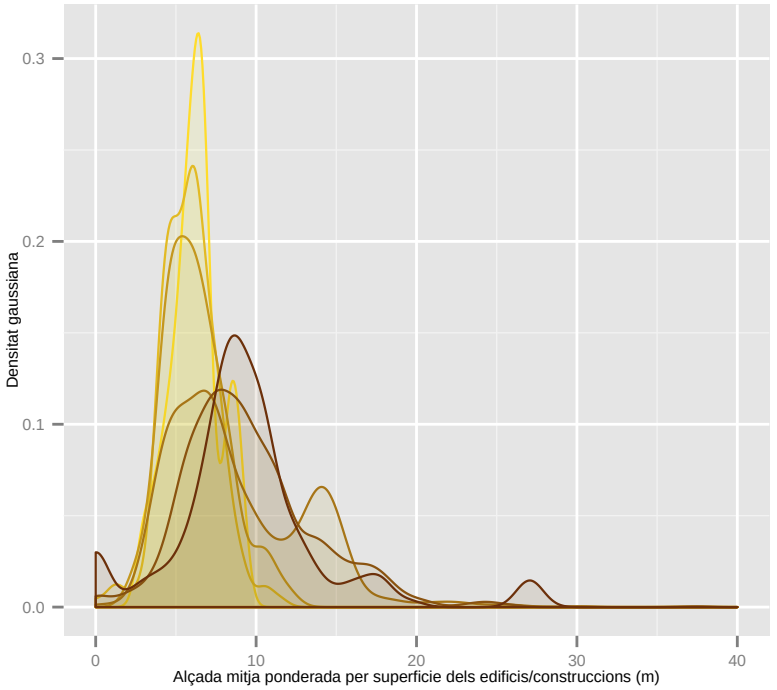
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

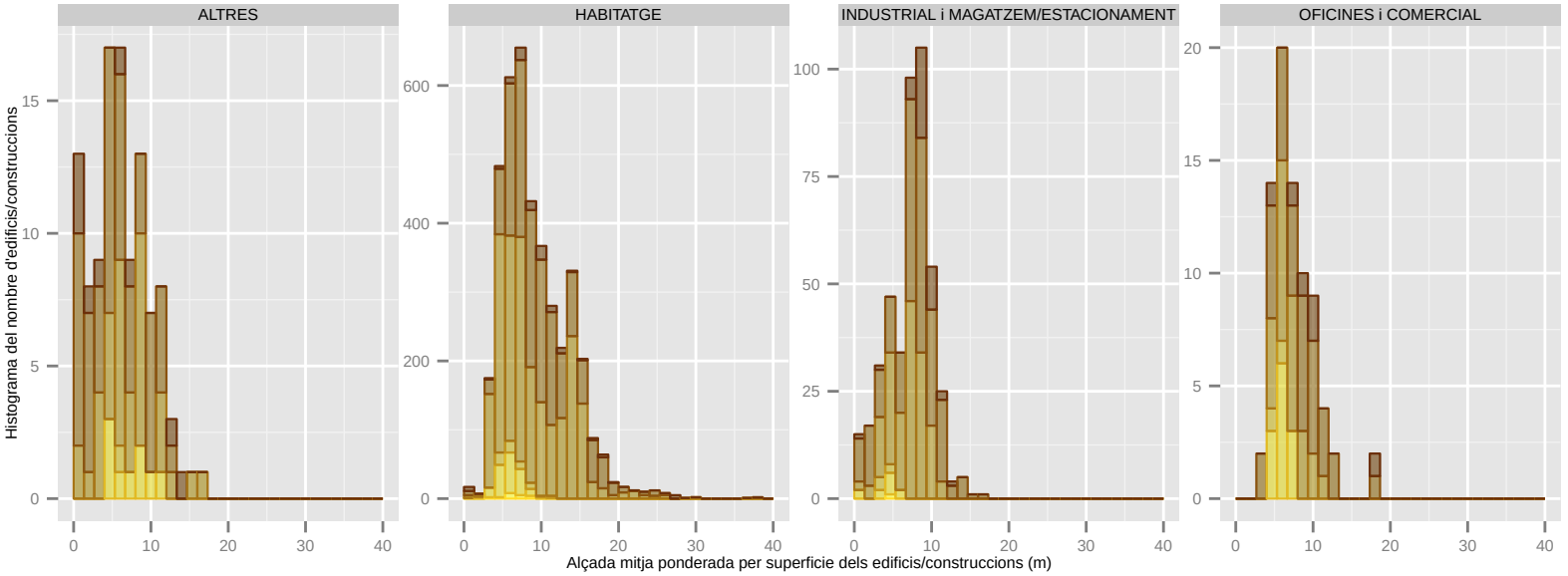
Alçada mitja ponderada per superficie dels edificis/construccions (m): VILADECANS









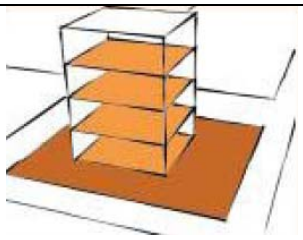


Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superficie sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

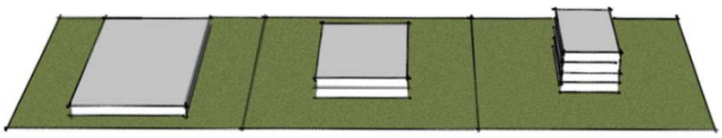
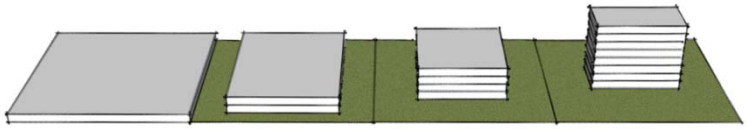
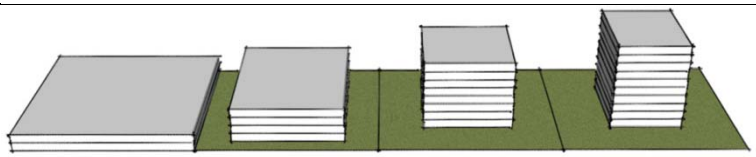
6. FAR [FLOOR AREA RATIO]

El FAR[1] o Floor Area Ratio és la relació entre la superfície construïda sobre rasant i la superfície del solar i es pot assimilar com a rati d'intensitat d'ocupació del sol.

Taula 1: Fórmula aplicada i exemples gràfics

	**FLOOR AREA RATIO** $$FAR = \frac{SSR}{SOLAR} = \frac{superfície\ sobre\ rasant\ [m^2]}{superfície\ del\ solar\ [m^2]}$$

FONT: Barcelona Regional

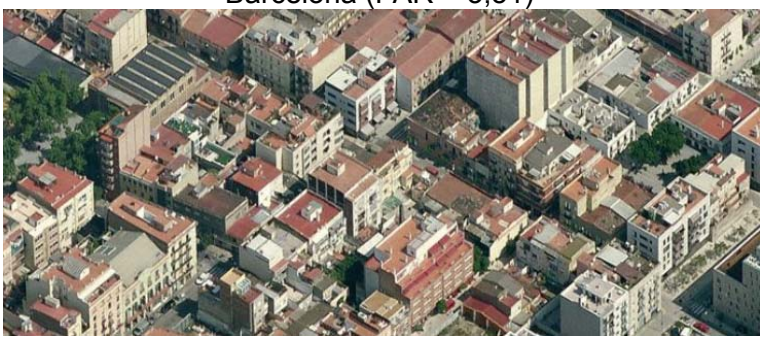
FAR < 1	Baixa intensitat d'ocupació del sol	
FAR = 1	Mitja intensitat d'ocupació del sol	
FAR > 1	Alta intensitat d'ocupació del sol	

FONT: gràfics de The Ontario Plan

El FAR de la AMB és de 1,73 fet que indica per norma general una alta intensitat d'ús del sol, tot i això hi ha diferències entre els municipis, destaca Badia del Vallès amb un FAR de 8,72 (cal detallar, i especialment per aquest municipi, que la superfície de solar que s'aplica al denominador del FAR no contempla solars veïns no construïts que fan de separació entre edificis i que pugui donar la impressió d'un FAR baix). També tenen FAR alt municipis com Barcelona (3,51) o L'Hospitalet de Llobregat (3,38). Tenen FAR mig de 1 els municipis de La Palma de Cervelló i Montcada i Reixac. Tenen FAR molt baix els municipis de Corbera de Llobregat (0,23) i Torrelles de Llobregat (0,29).

[1] Altres possibles definicions: FAR = Floor Space Ratio (FSR) = Floor Space Index (FSI)

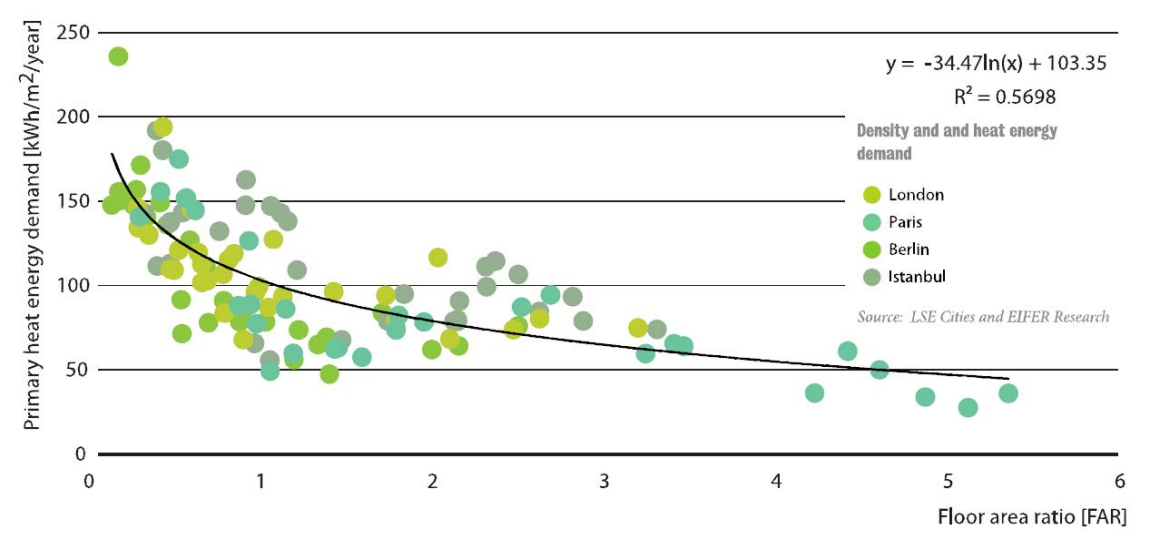
Taula 2: Exemples

FAR < 1	Baixa intensitat d'ocupació del sol	Torrelles de Llobregat (FAR = 0,29)
FAR = 1	Mitja intensitat d'ocupació del sol	La Palma de Cervelló (FAR = 1)
FAR > 1	Alta intensitat d'ocupació del sol	Barcelona (FAR = 3,51) 

FONT: imatges de Bing

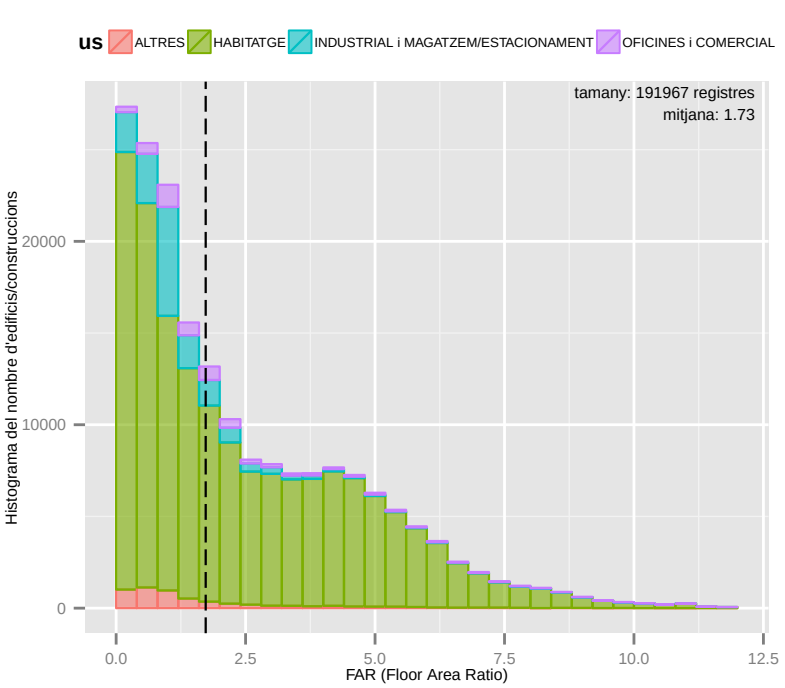
Incidència en el consum d'energia:

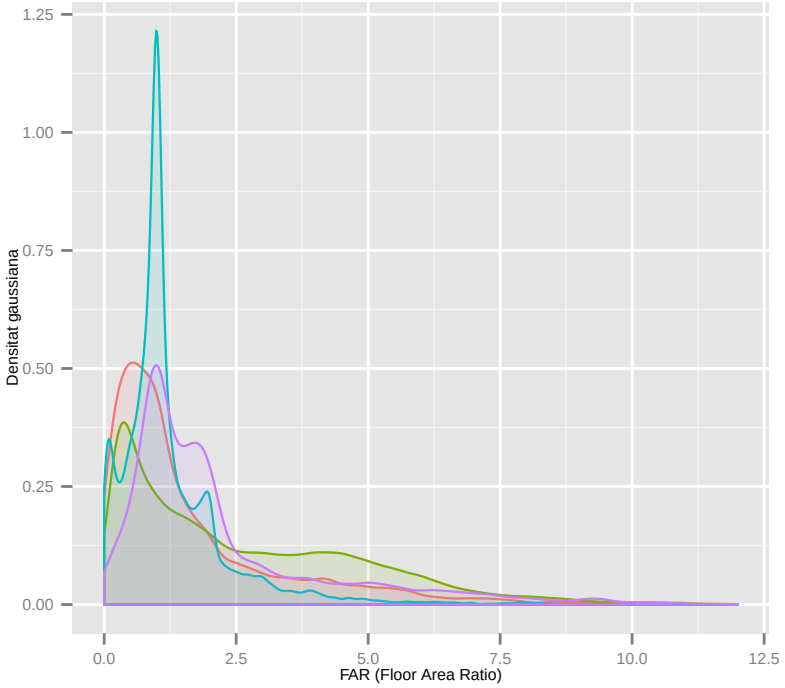
Per norma general un major FAR implica en un menor consum d'energia de calefacció, segons un estudi de la EIFER (European Institute for Energy Research) a partir de valors de FAR < 1 el consum de calefacció creix exponencialment.

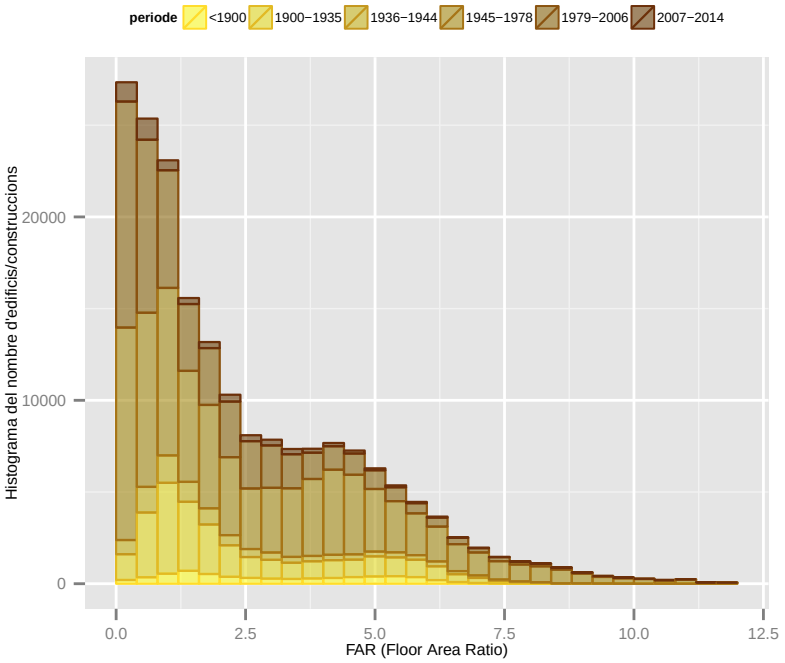


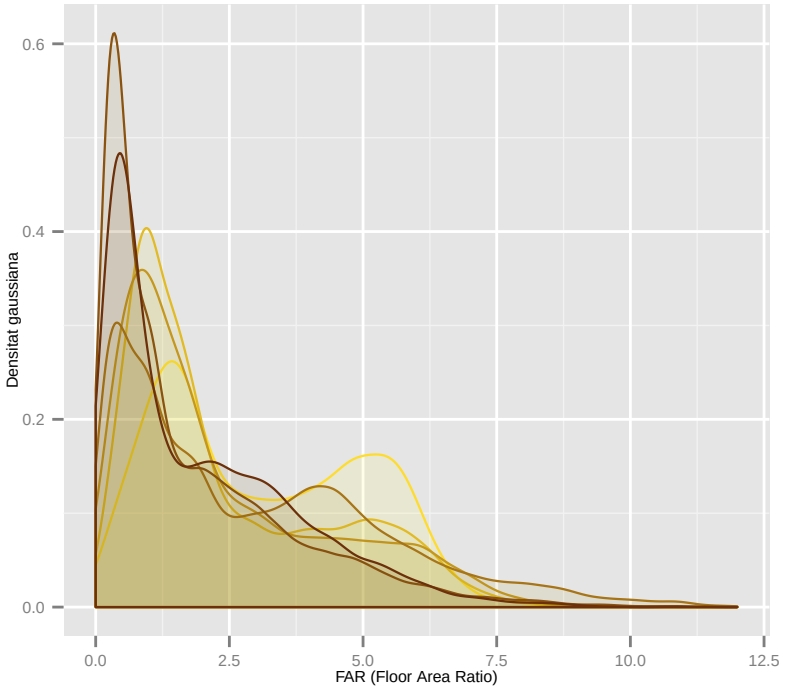
FONT: LSE Cities Seminar - Cities and Energy, EIFER

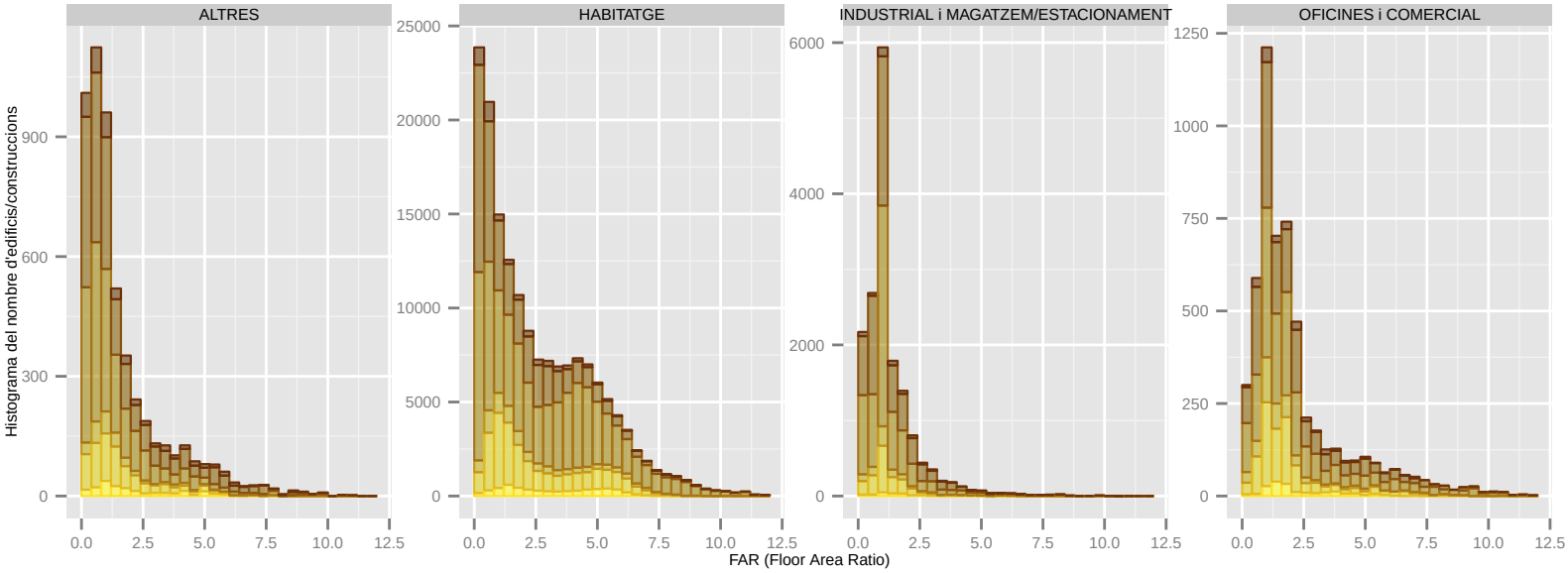
FAR (Floor Area Ratio): AMB





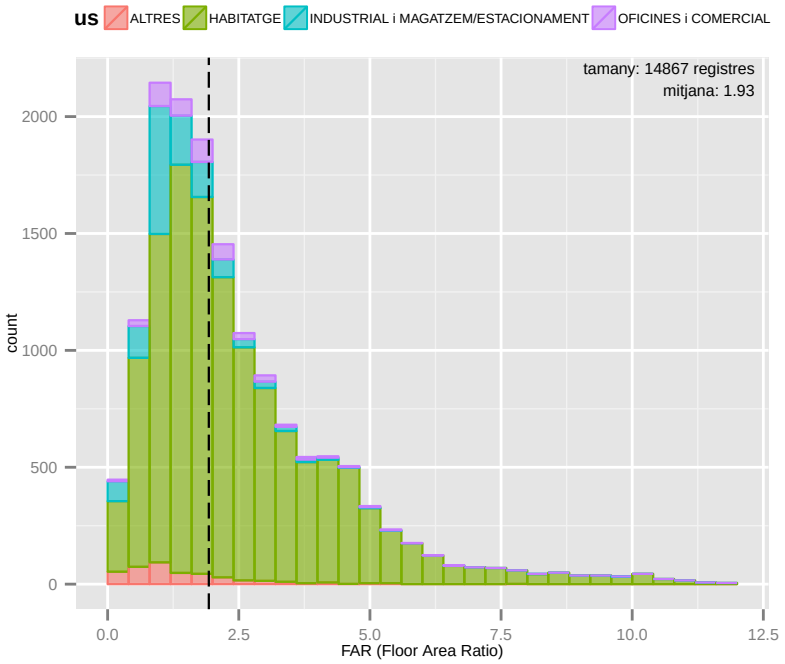


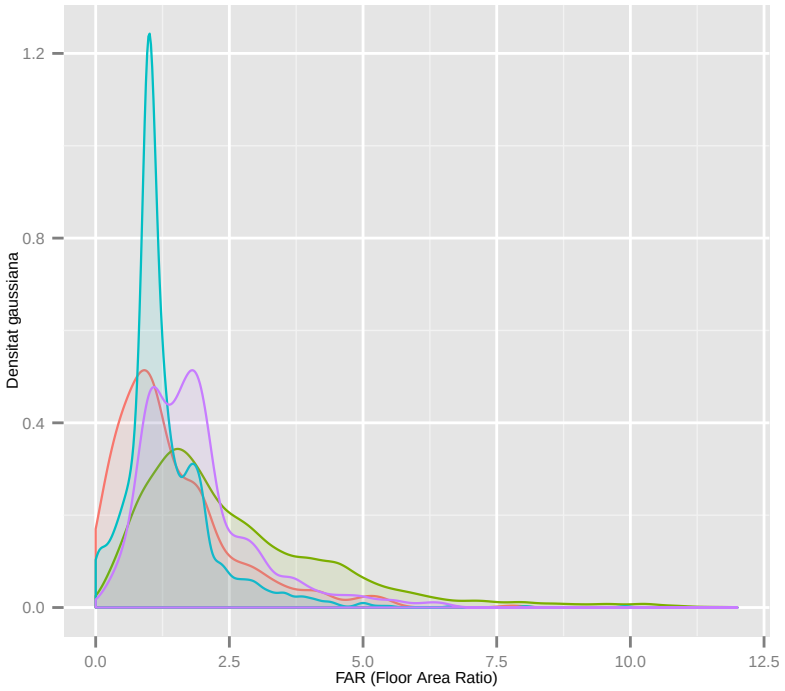


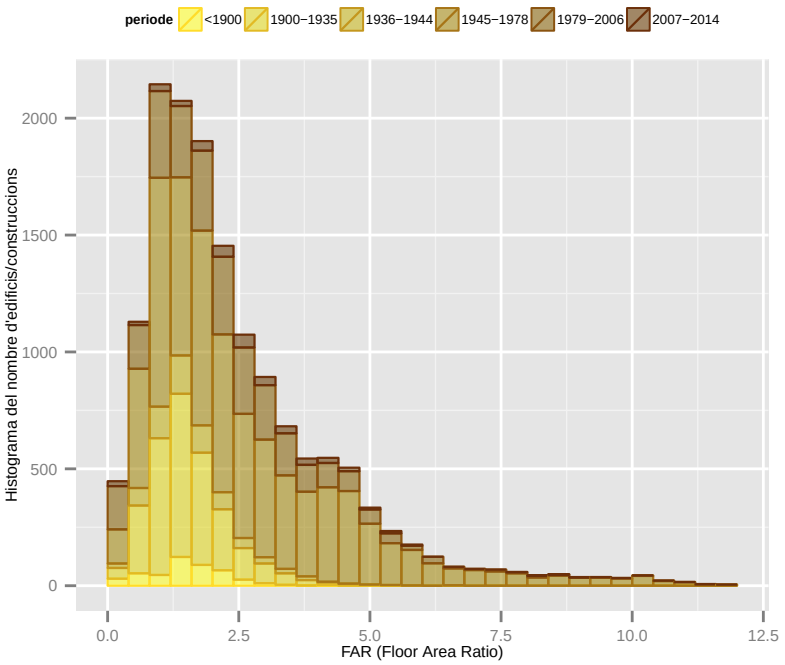


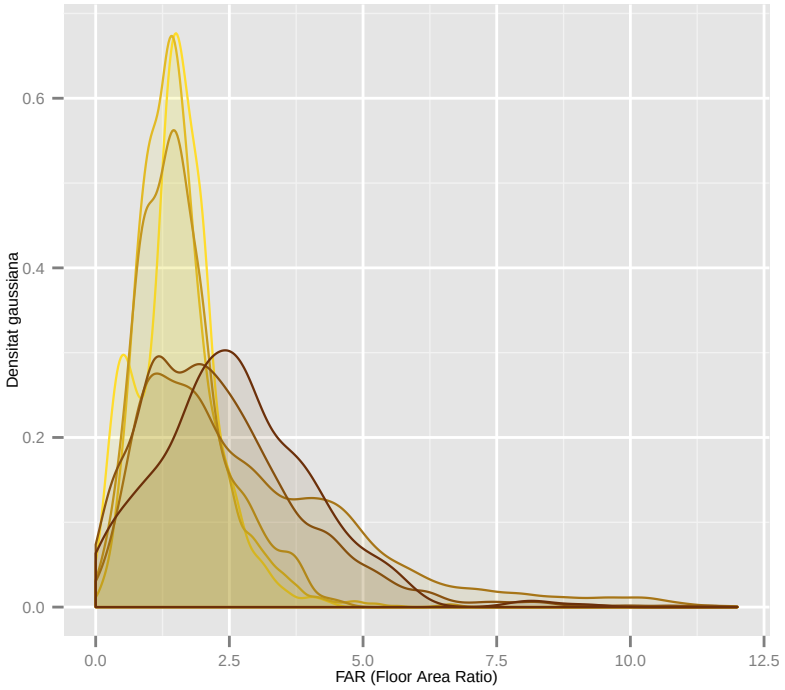
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

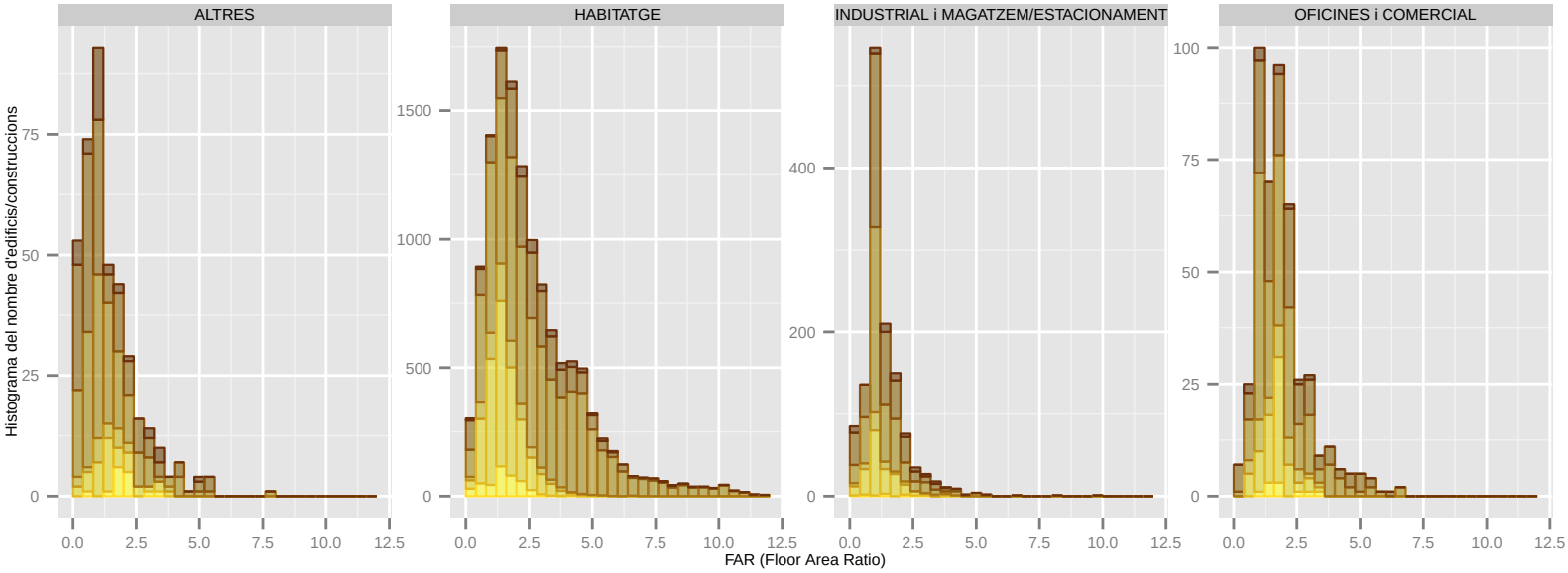
FAR (Floor Area Ratio): BADALONA





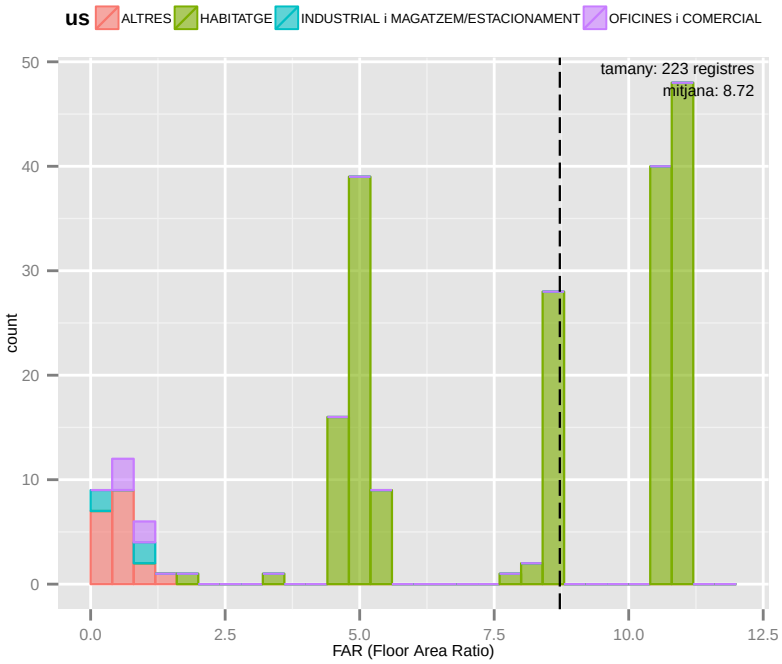


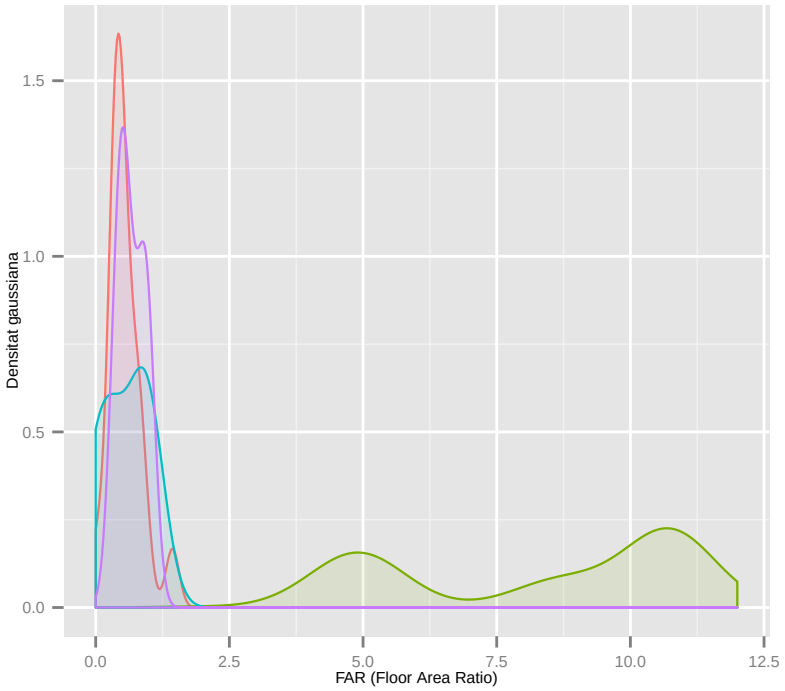


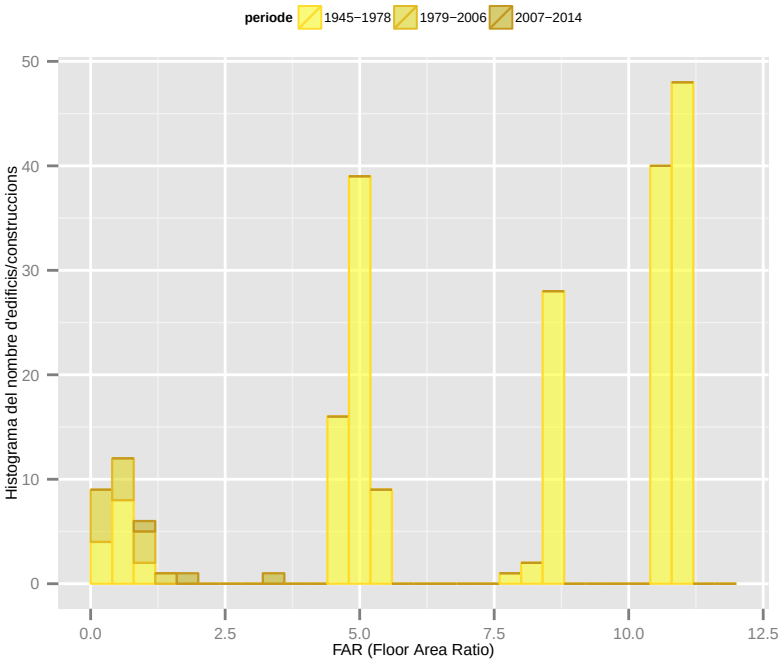


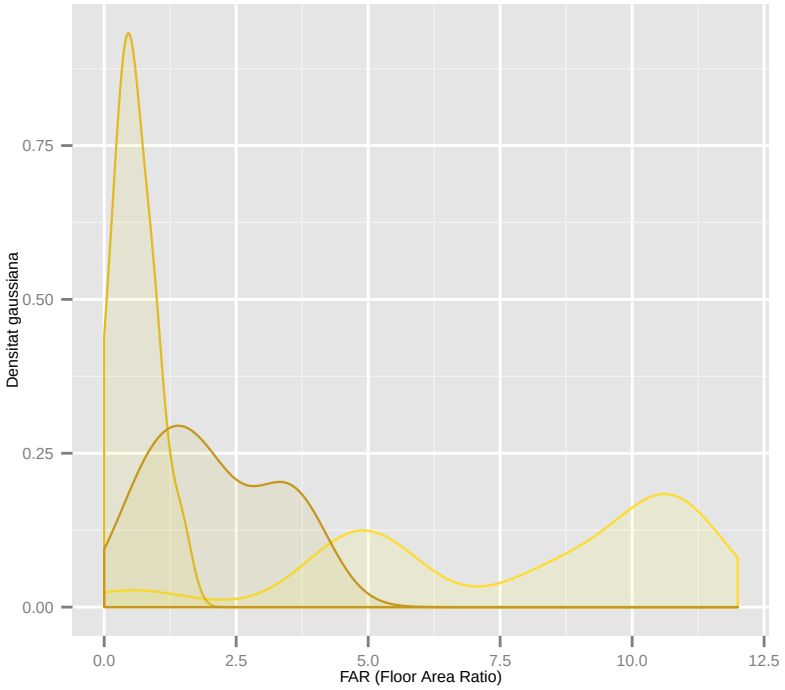
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

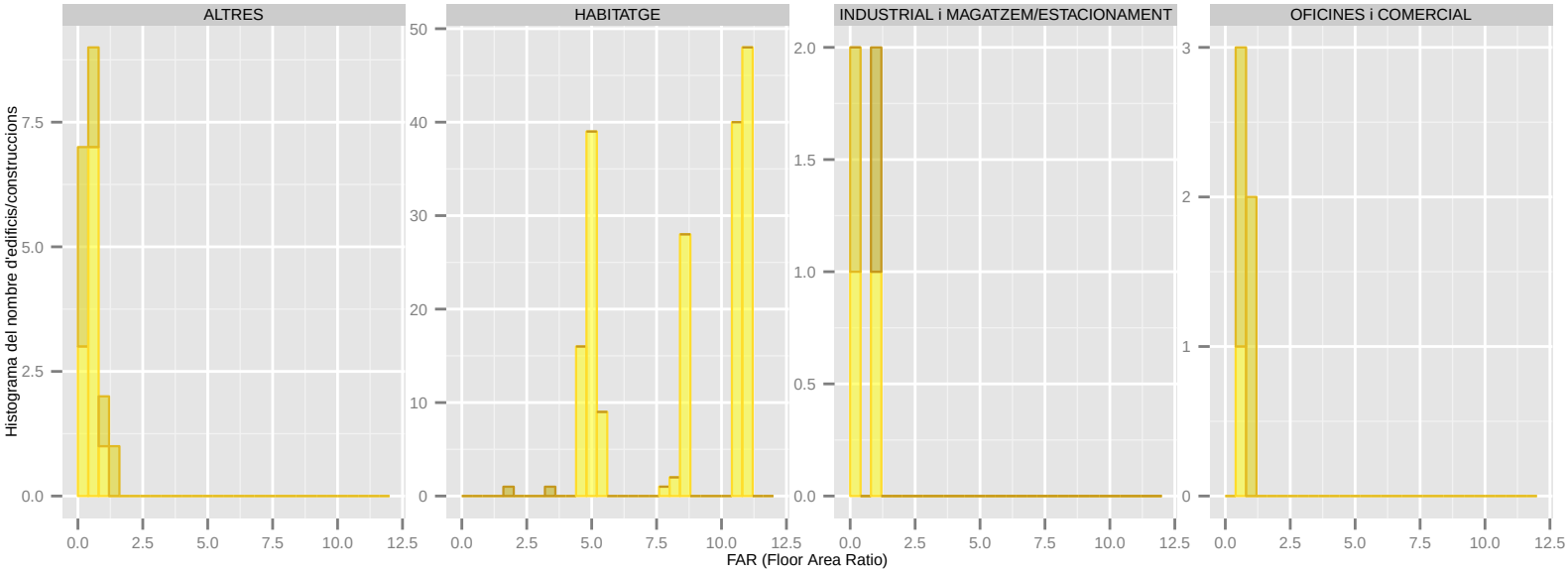
FAR (Floor Area Ratio): BADIA DEL VALLES





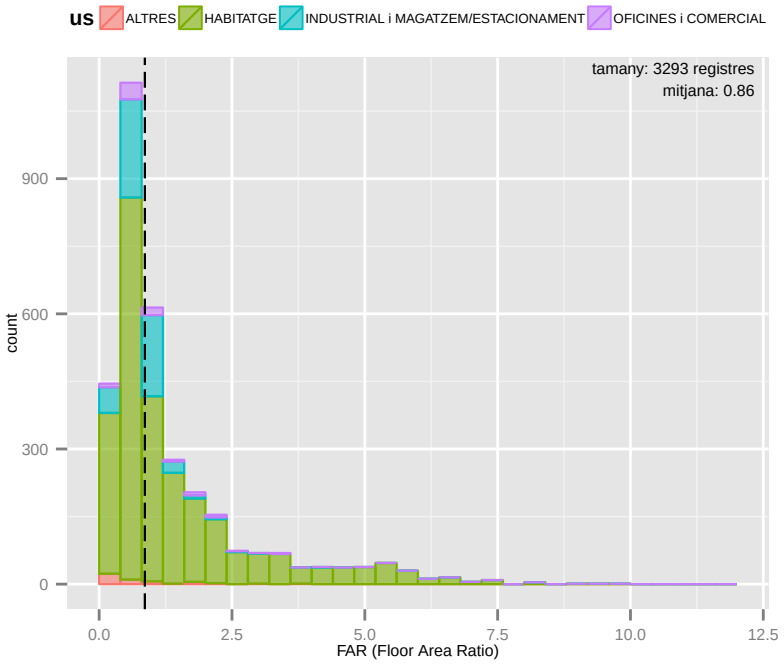


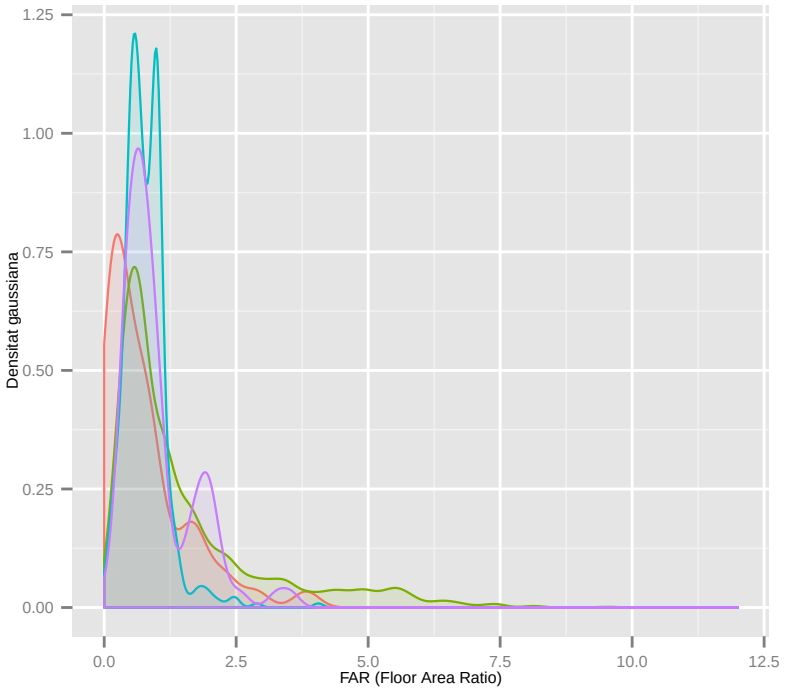


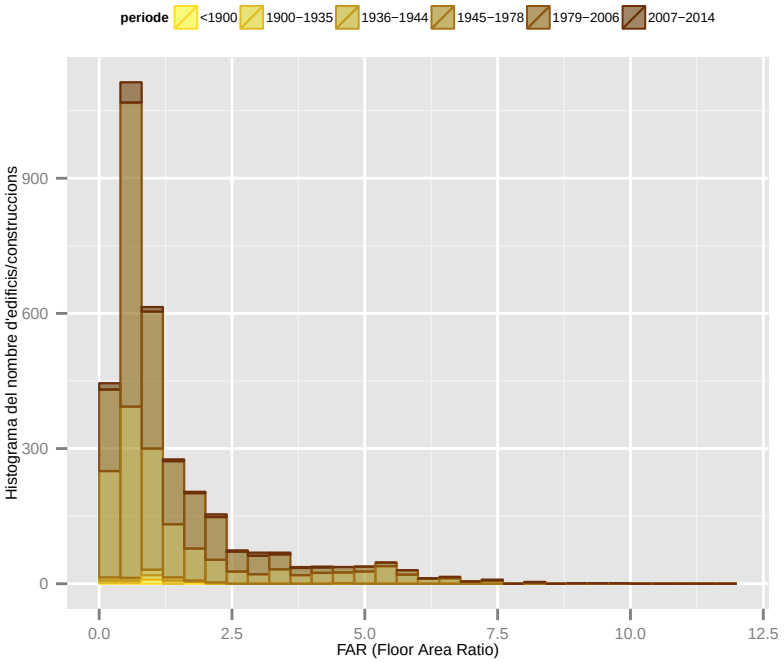


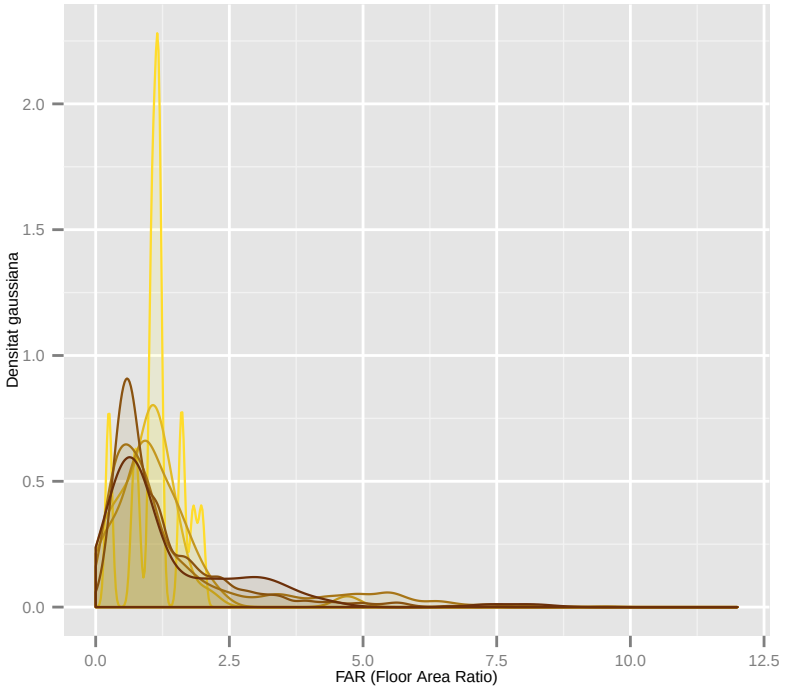
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

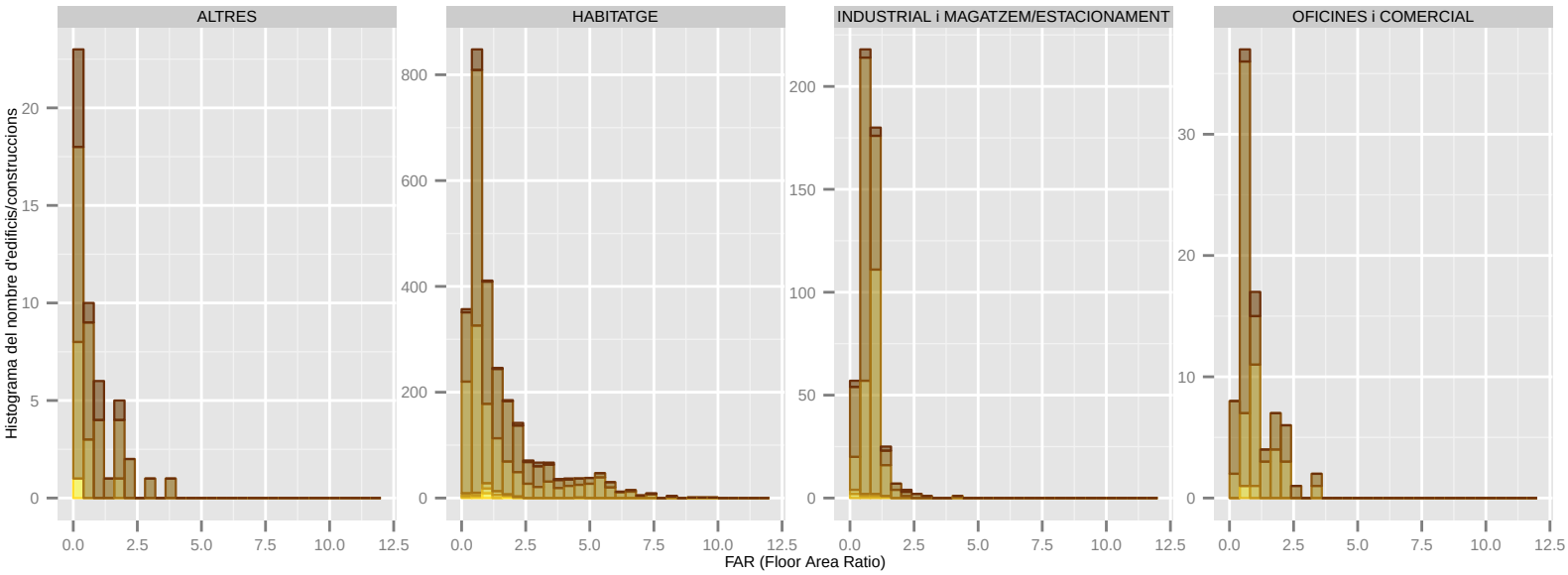
FAR (Floor Area Ratio): BARBERA DEL VALLES











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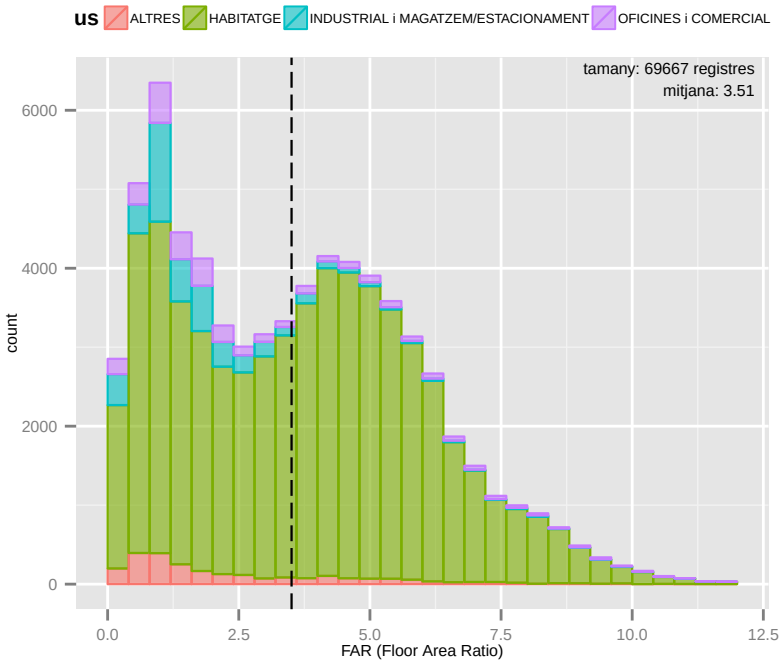
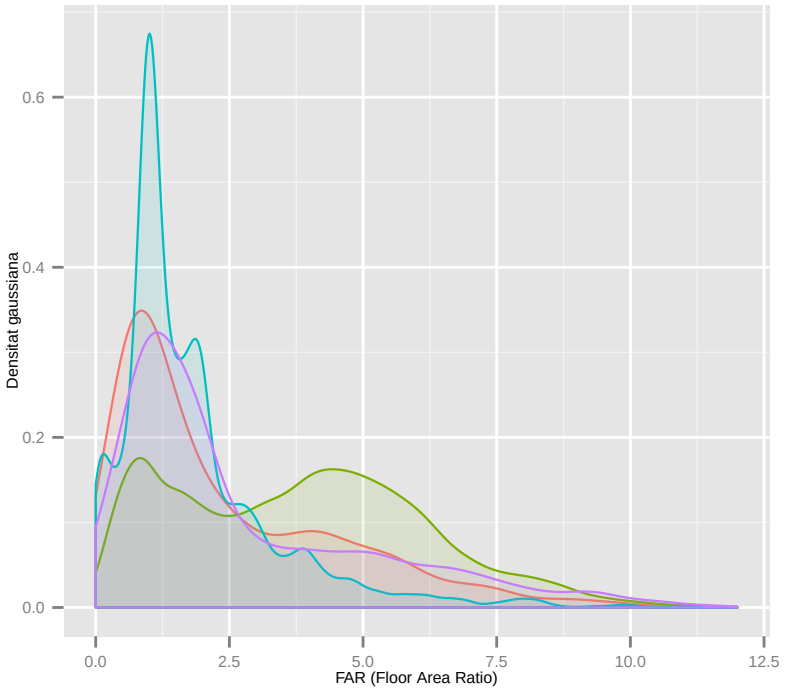
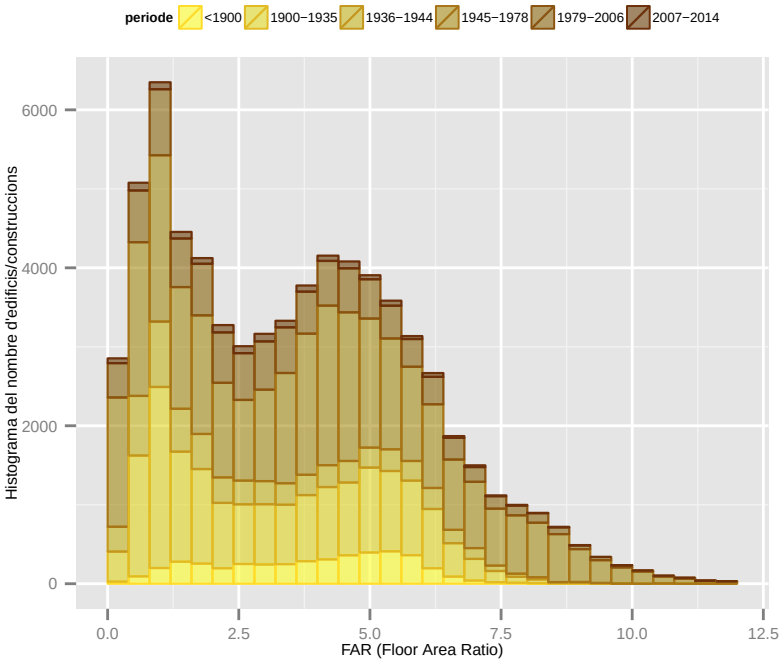
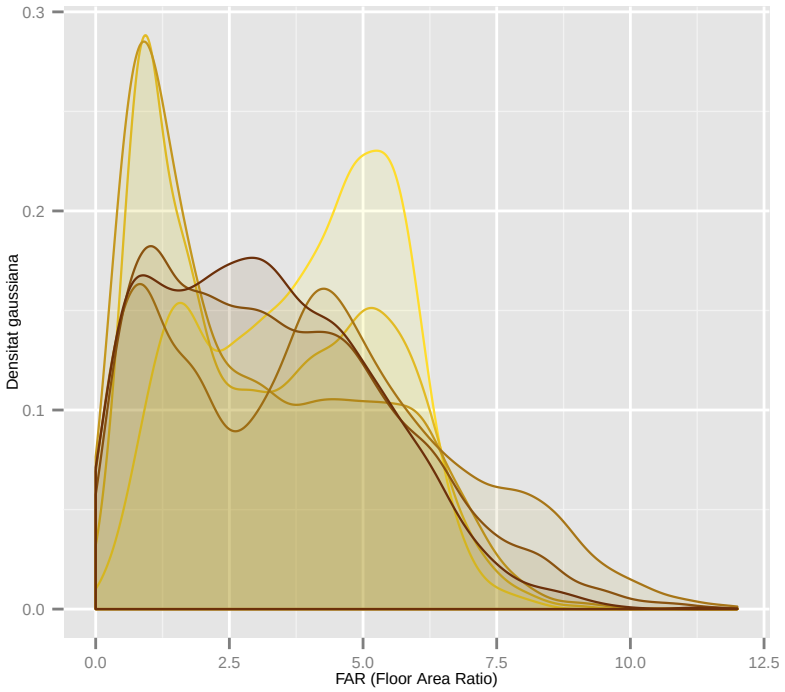
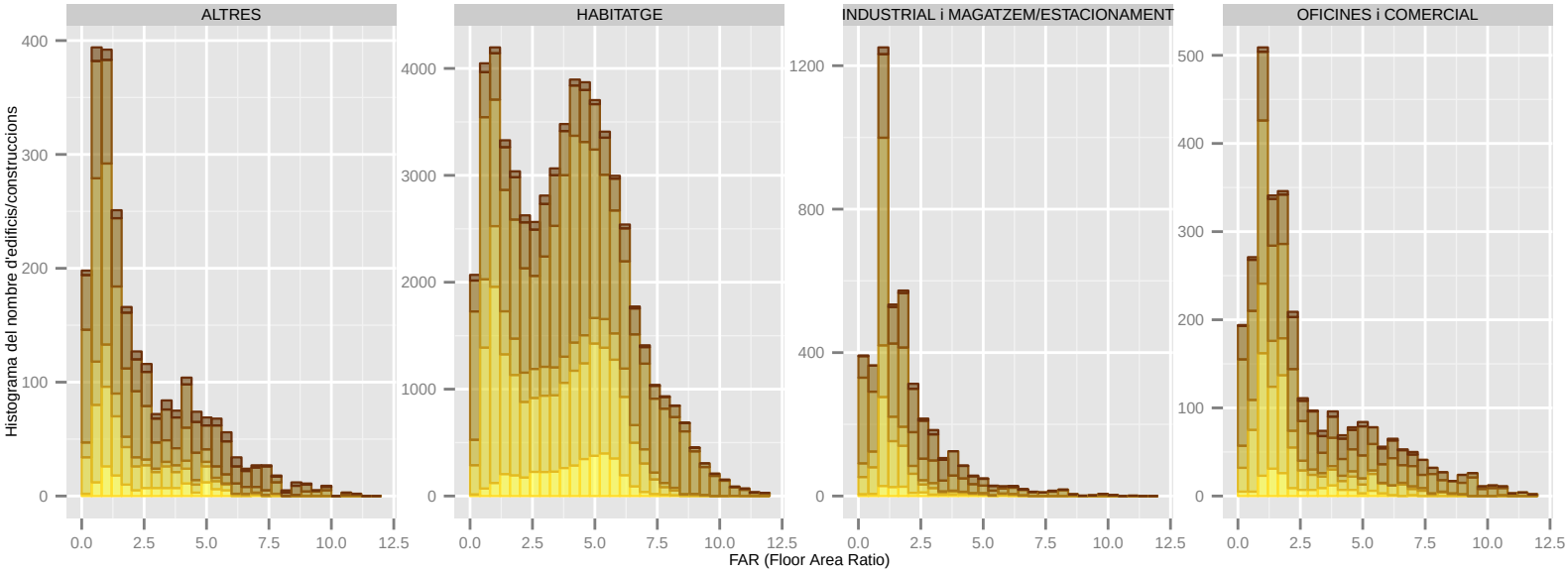
FAR (Floor Area Ratio): BARCELONA





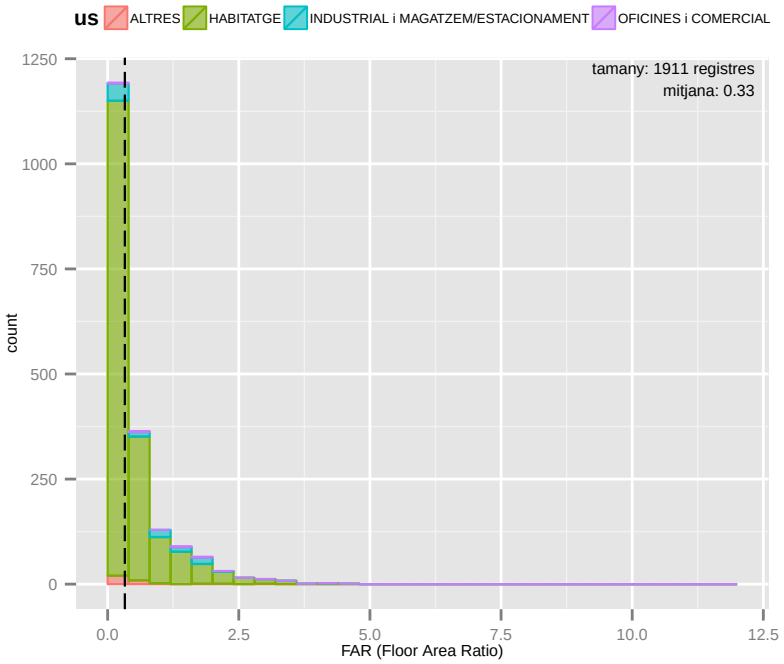


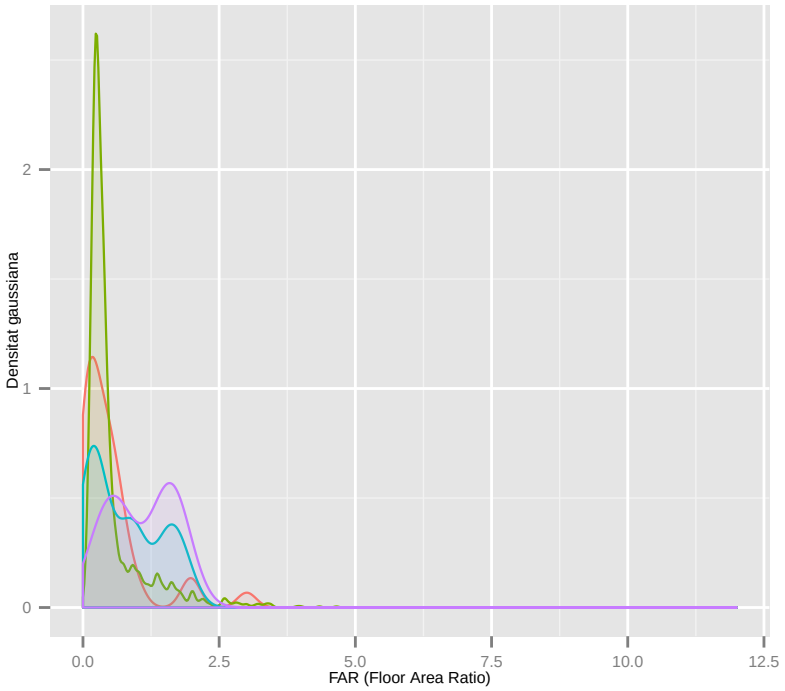


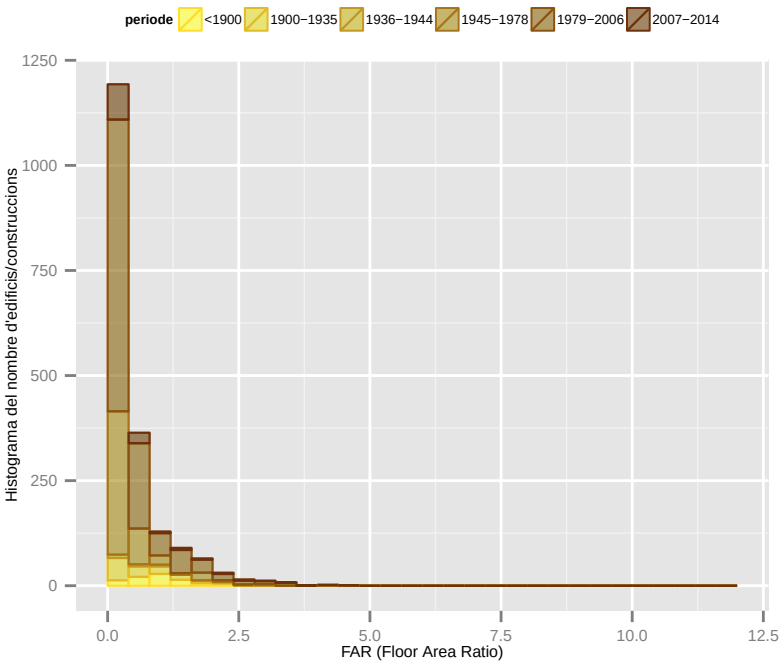


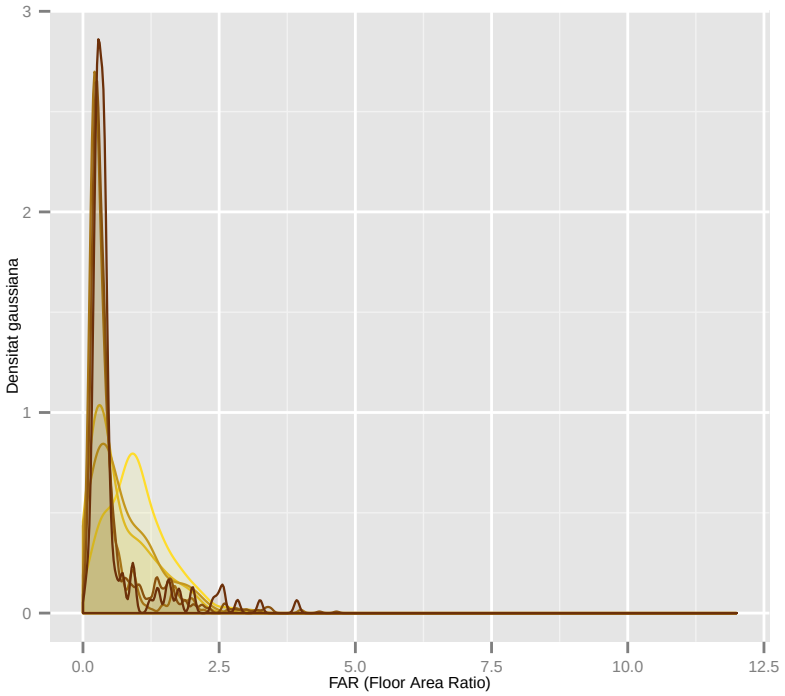
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

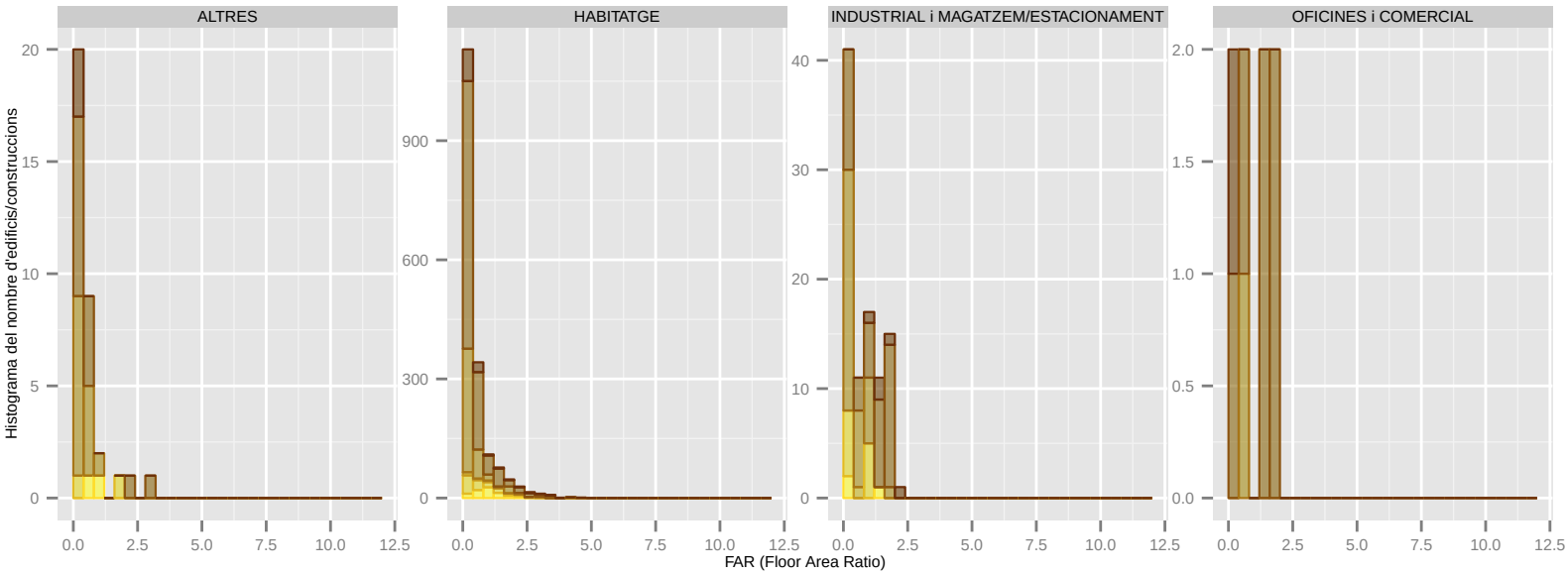
FAR (Floor Area Ratio): BEGUES





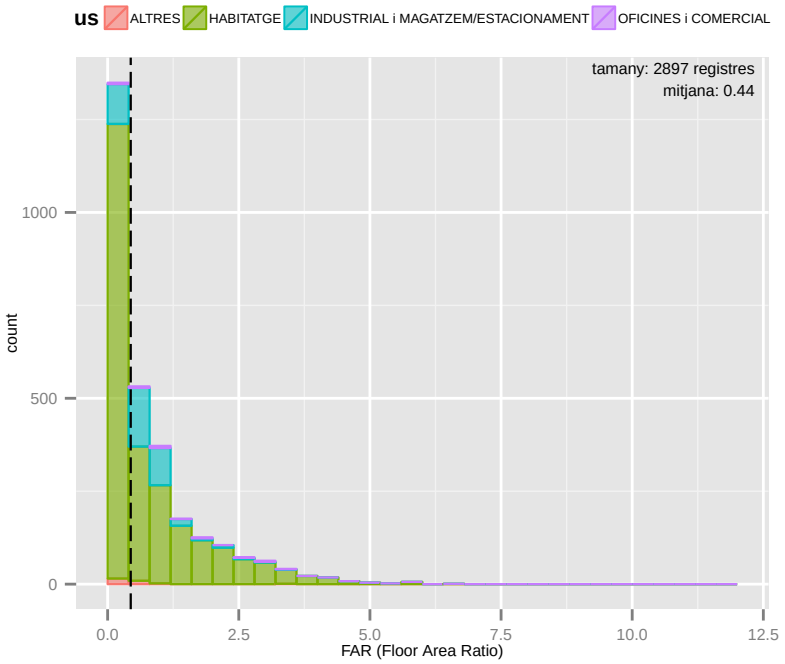


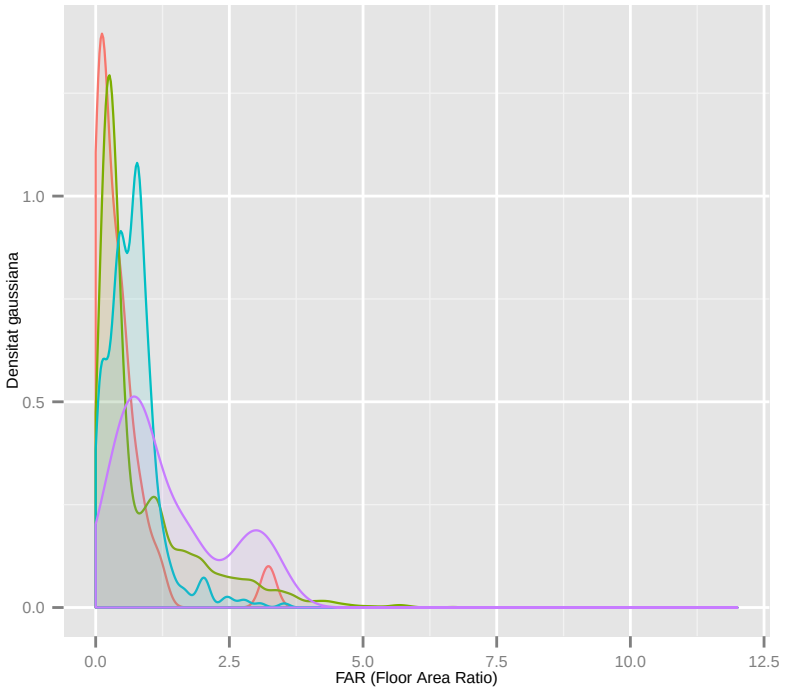


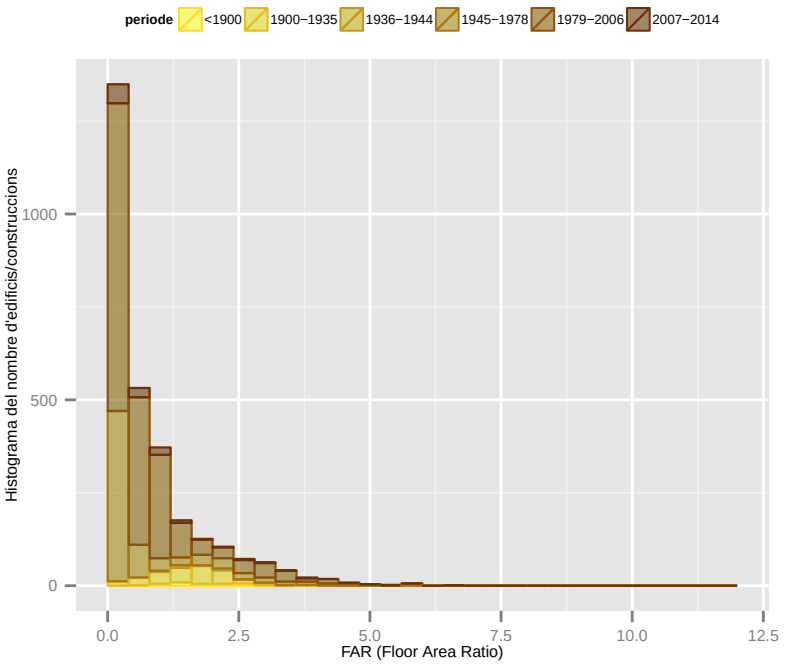


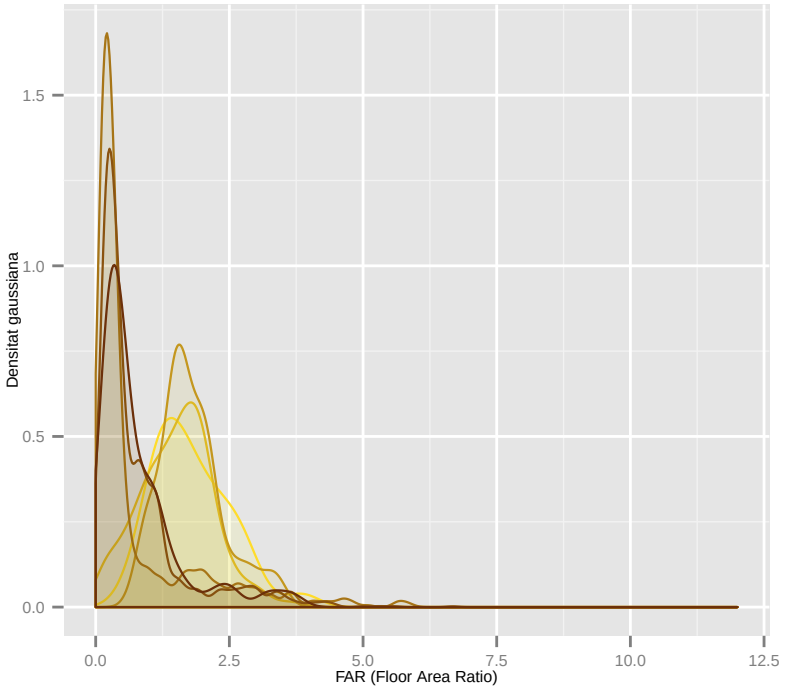
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

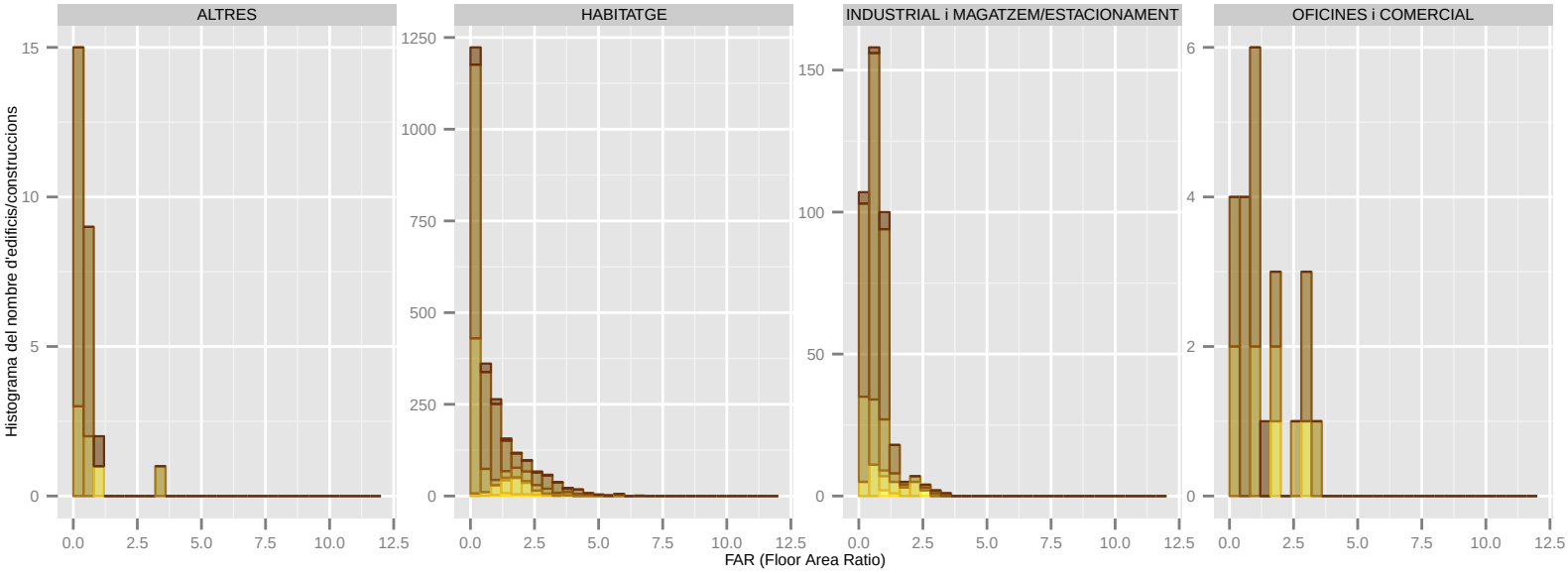
FAR (Floor Area Ratio): CASTELLBISBAL





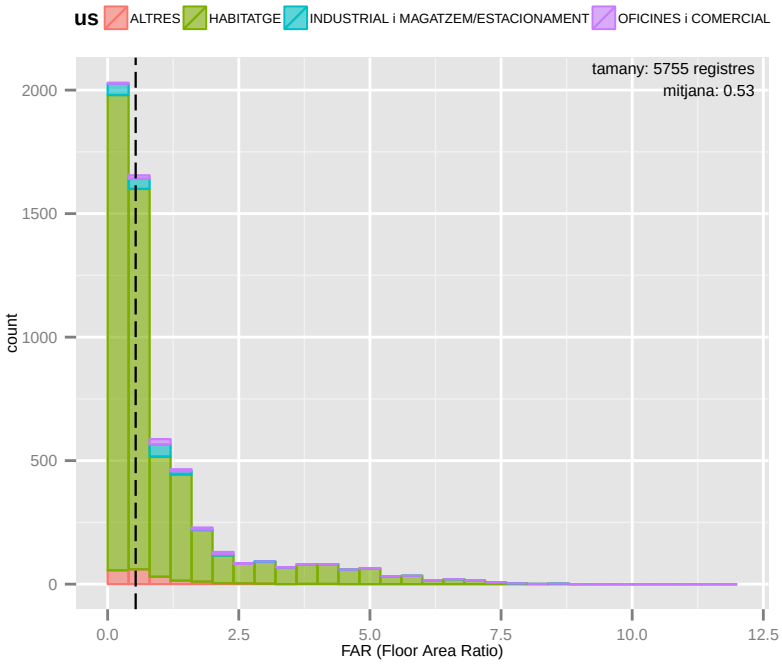


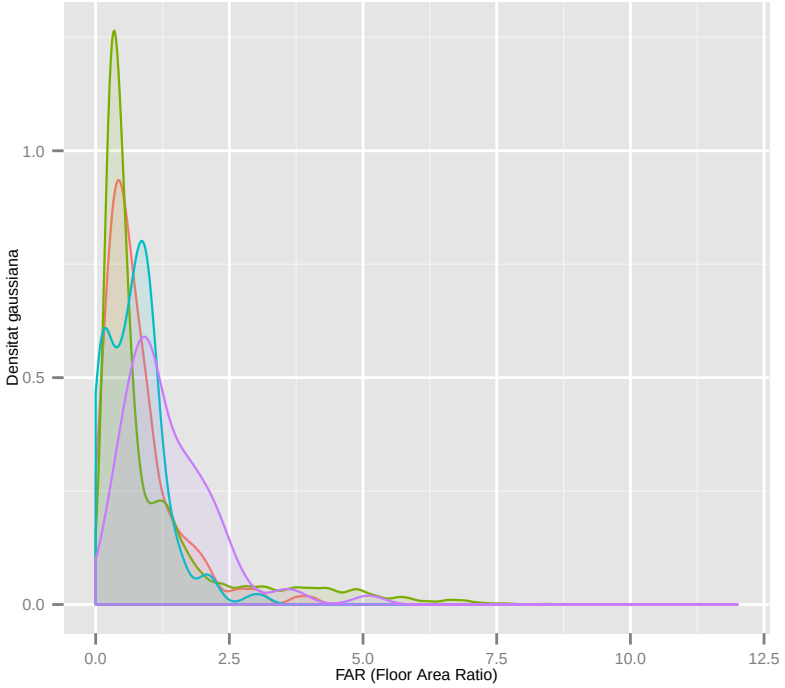


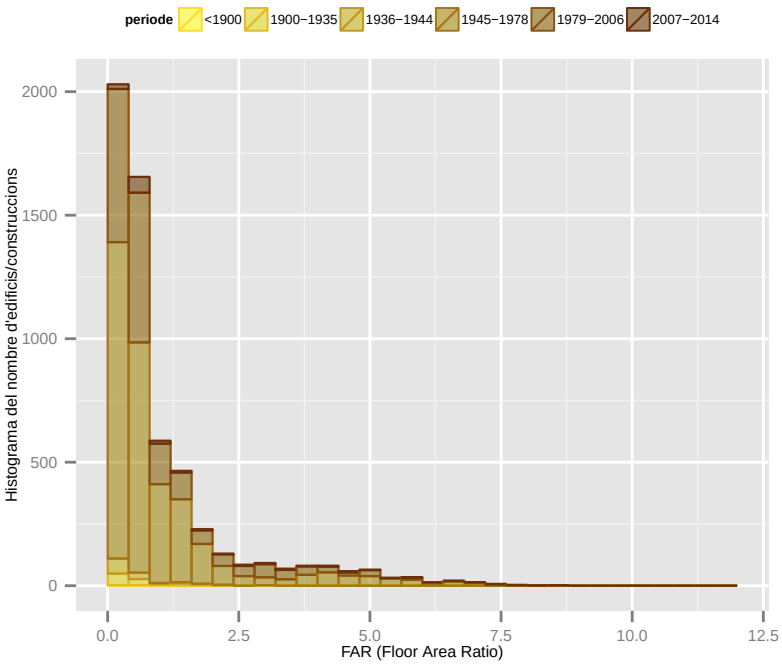


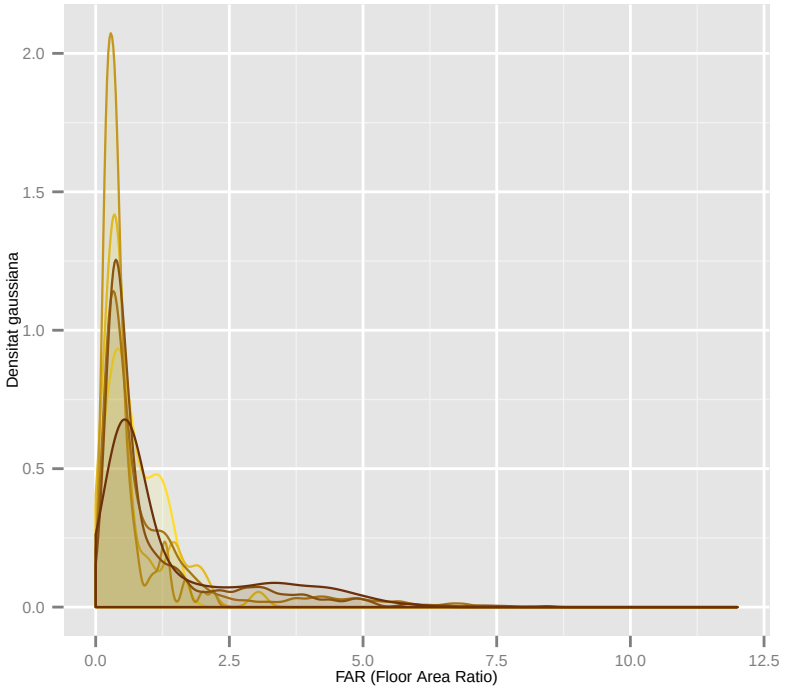
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

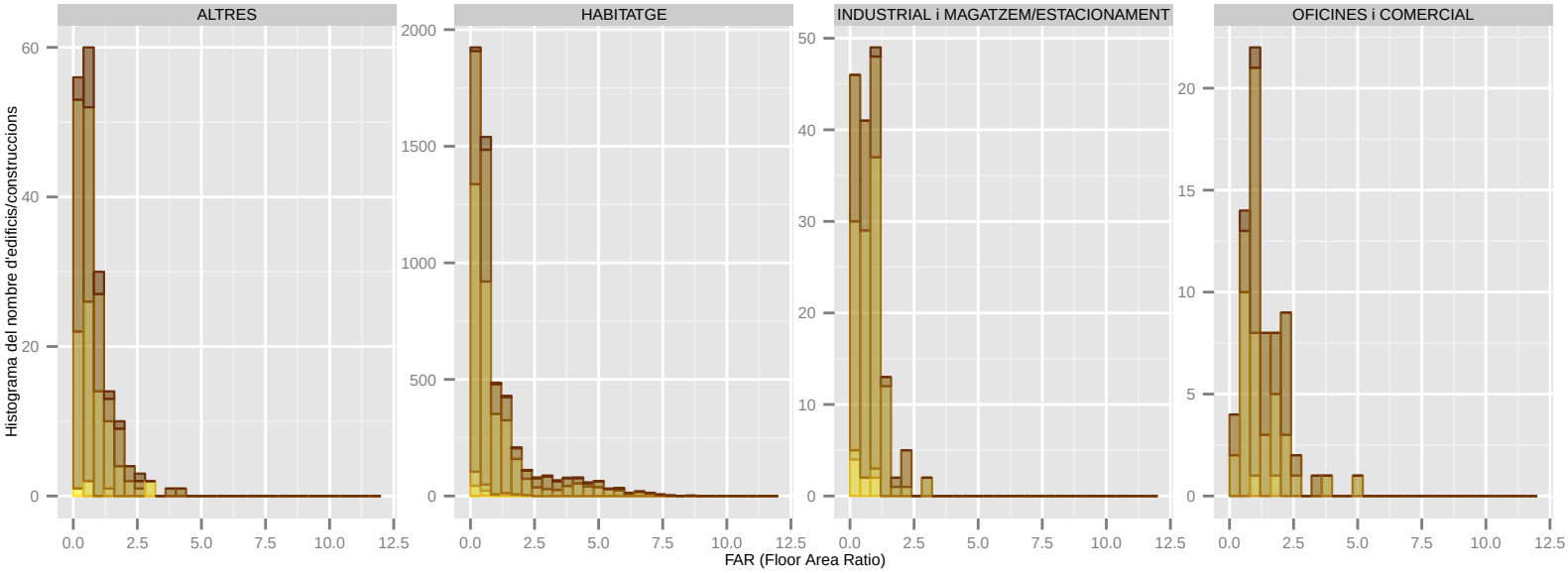
FAR (Floor Area Ratio): CASTELLDEFELS





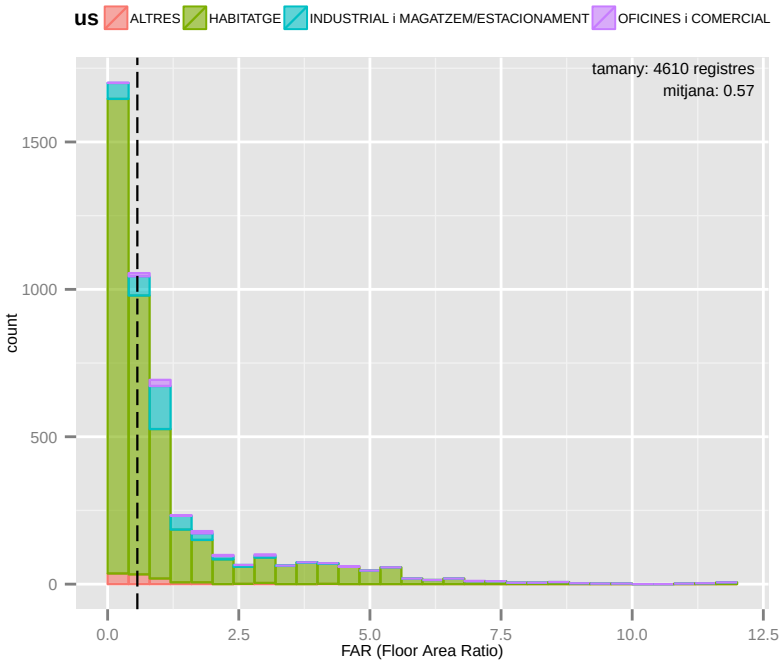


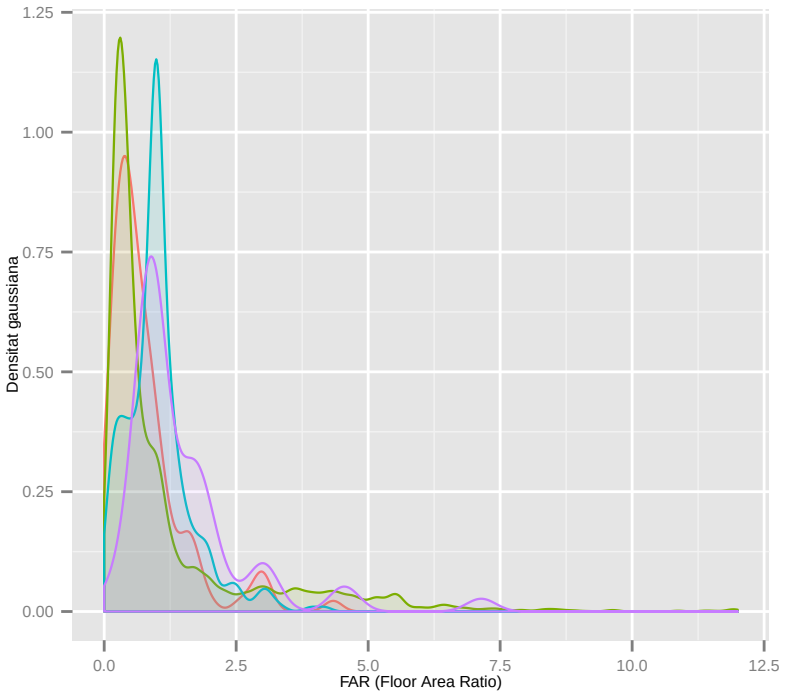


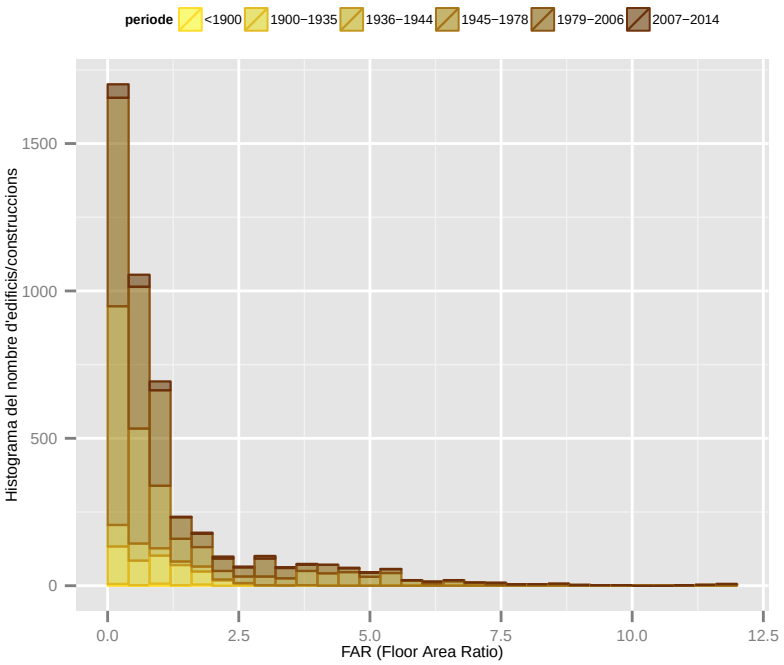


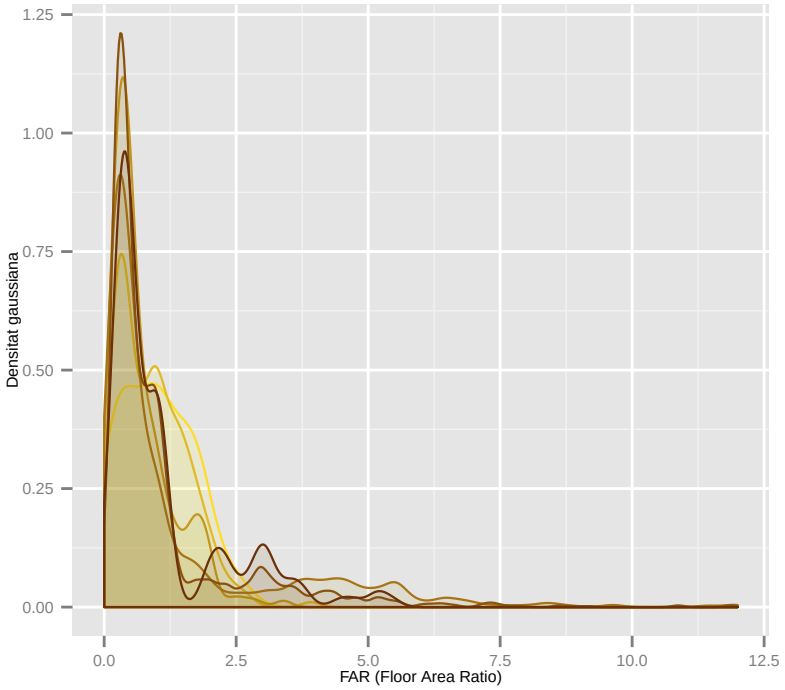
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

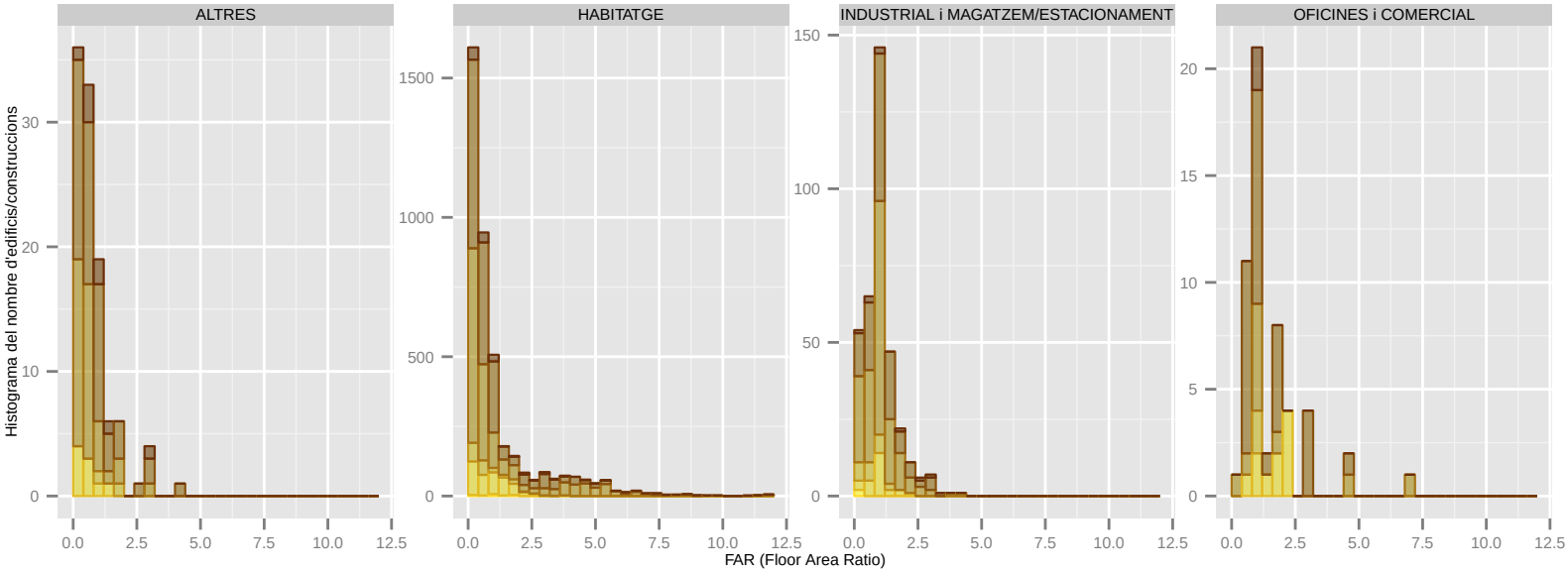
FAR (Floor Area Ratio): CERDANYOLA DEL VALLES





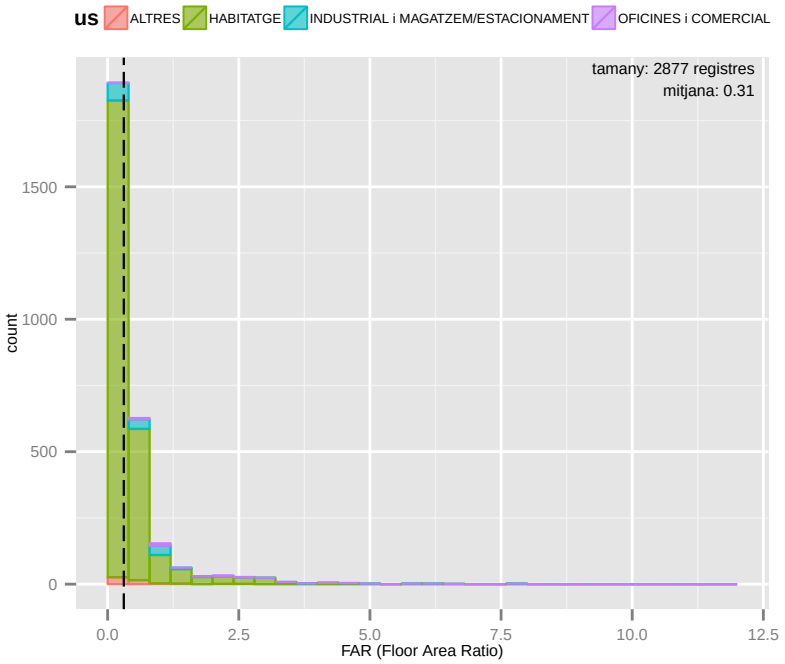


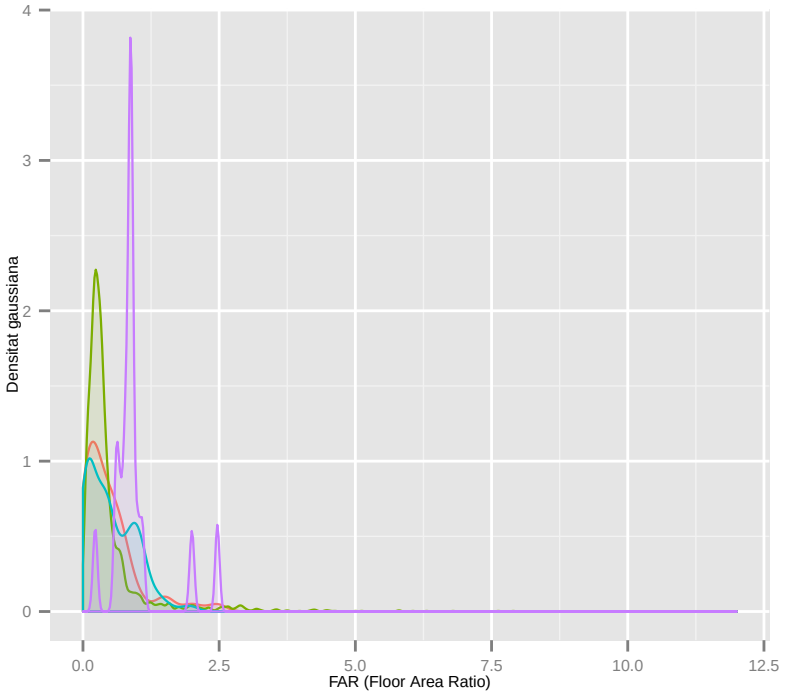


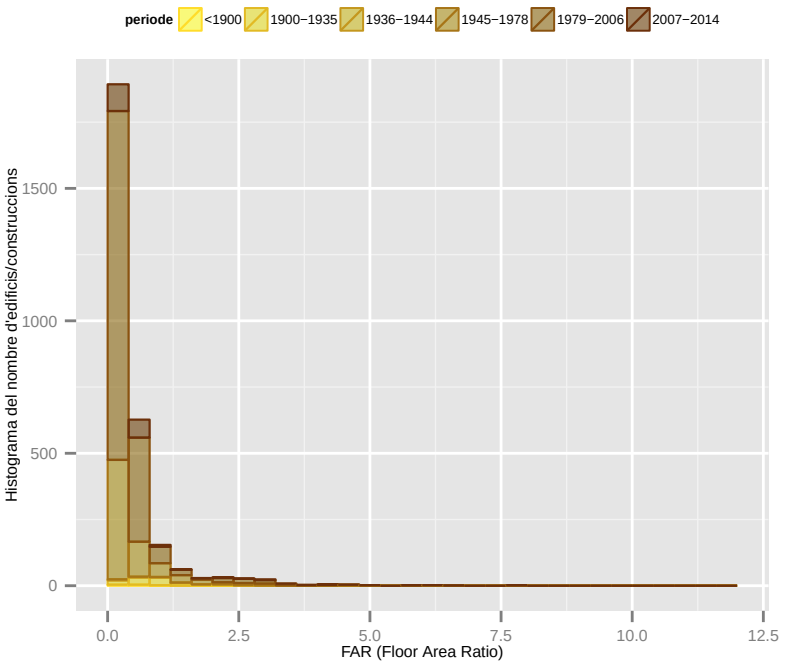


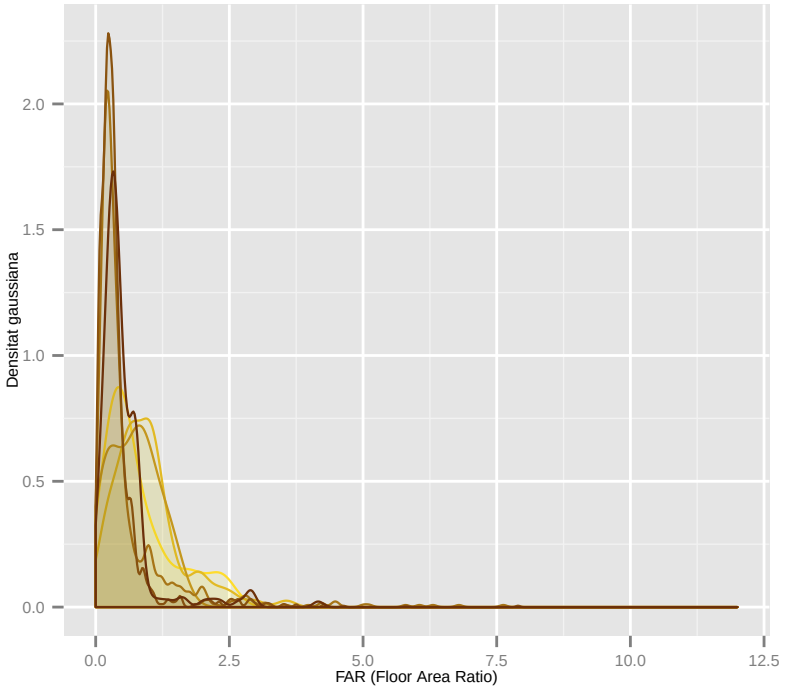
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

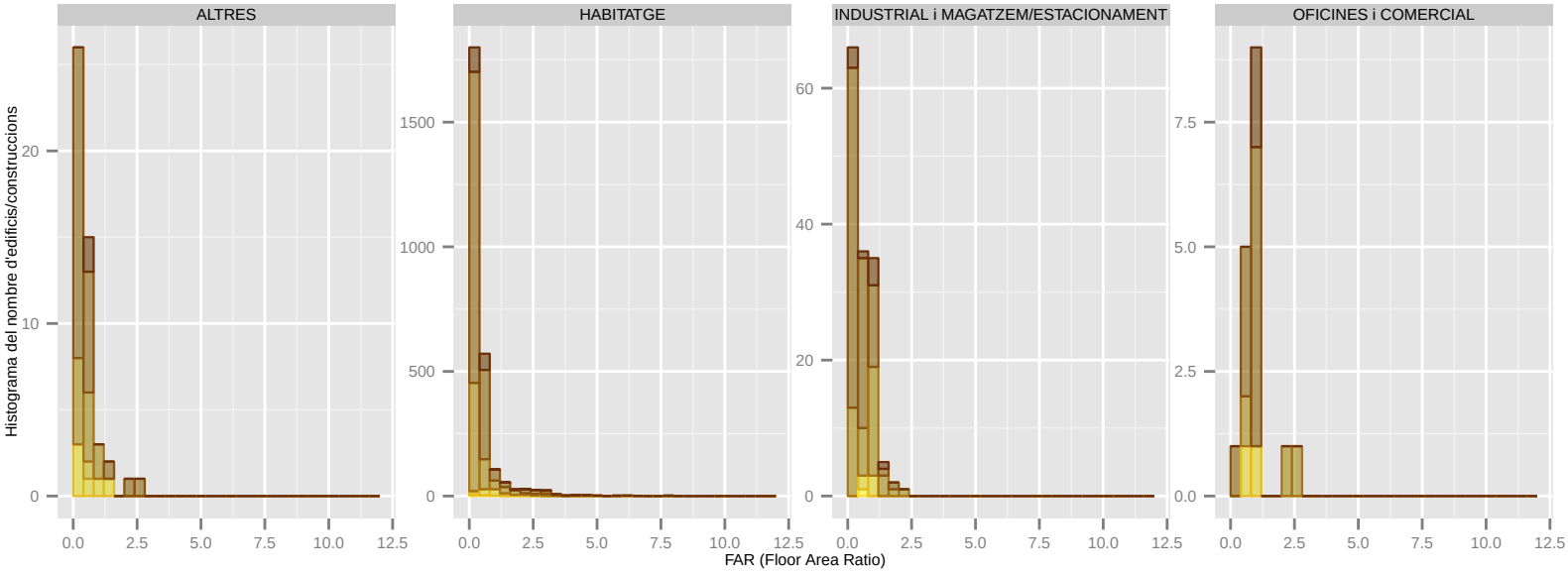
FAR (Floor Area Ratio): CERVELLO





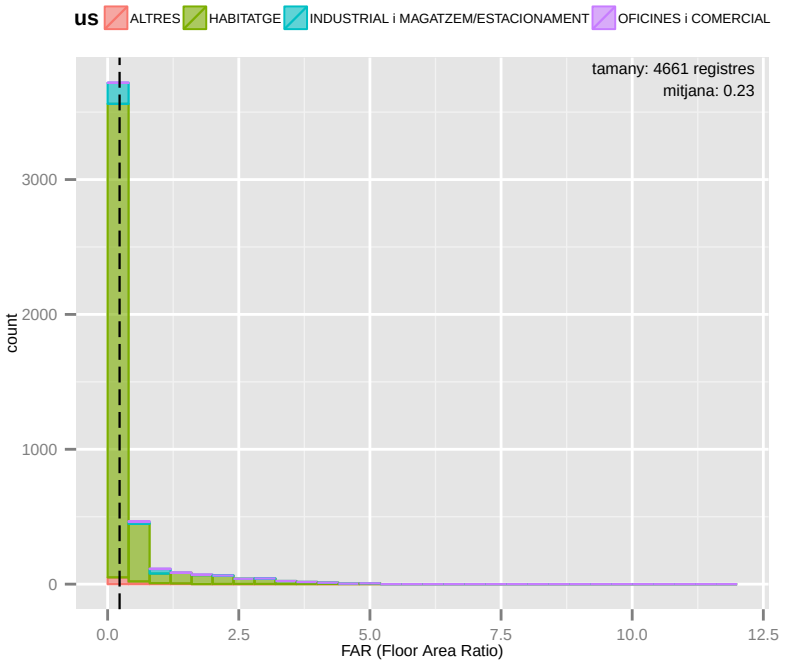


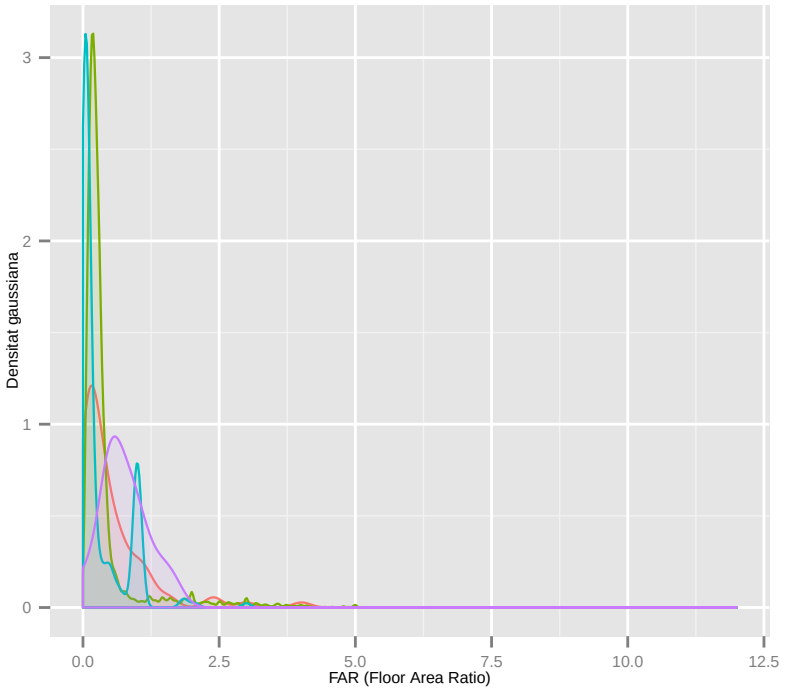


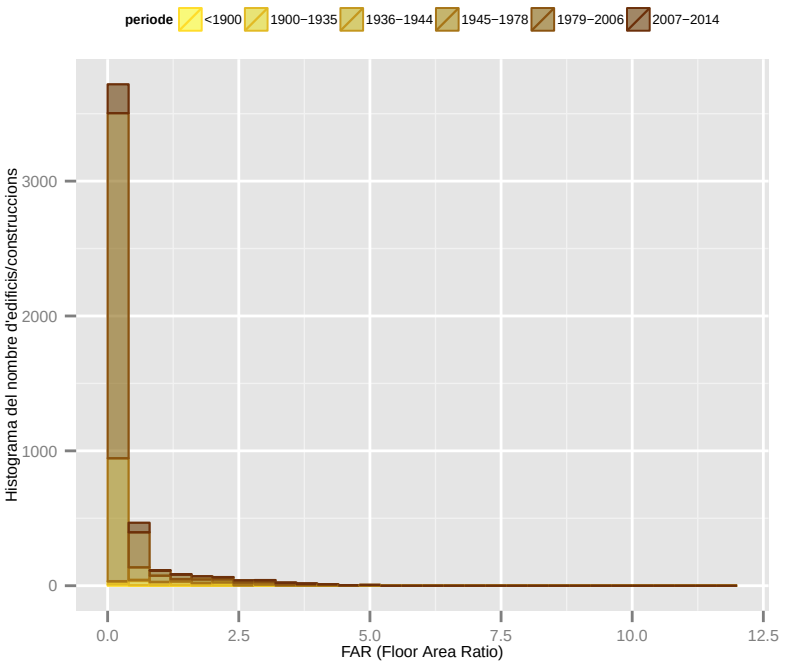


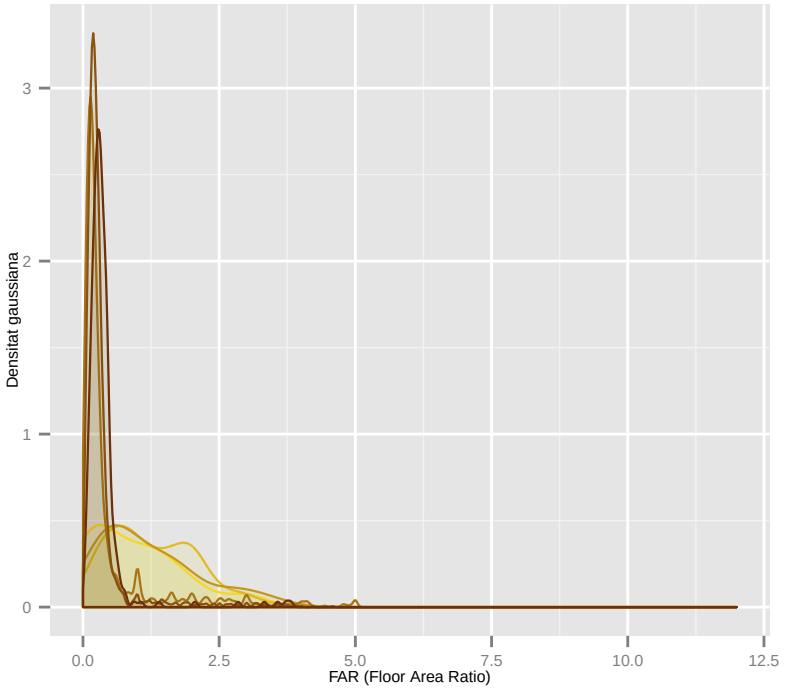
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

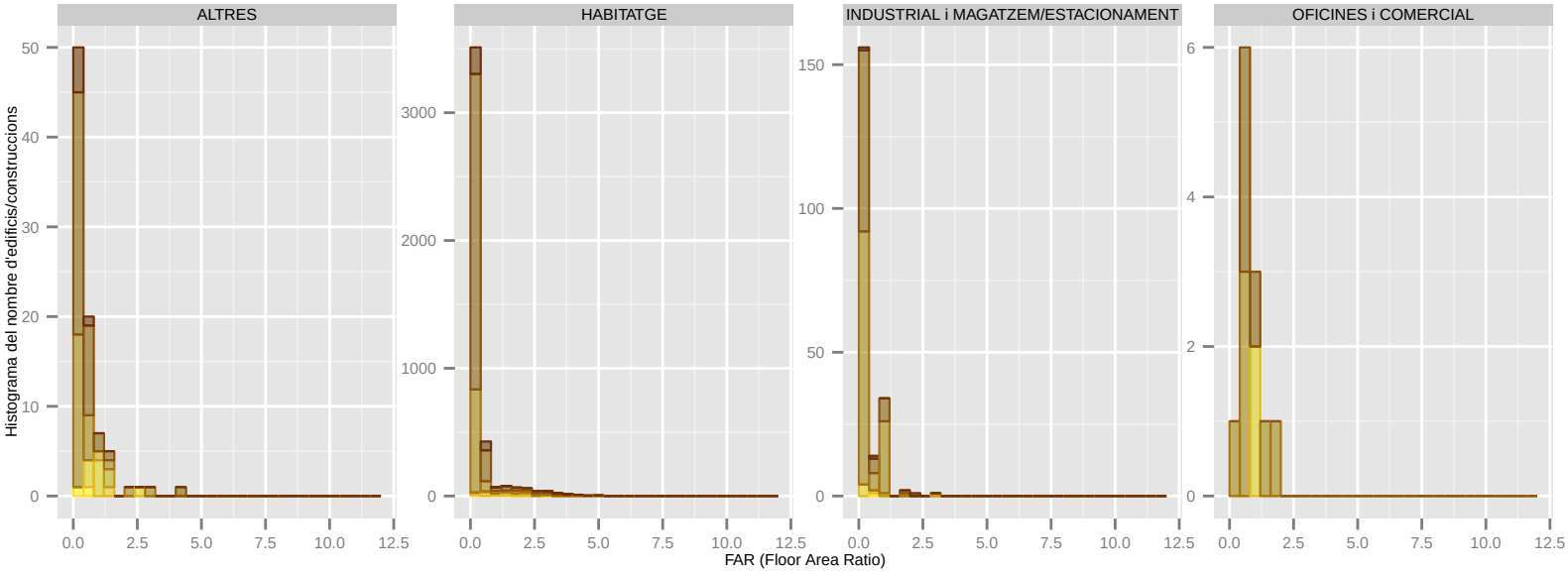
FAR (Floor Area Ratio): CORBERA DE LLOBREGAT





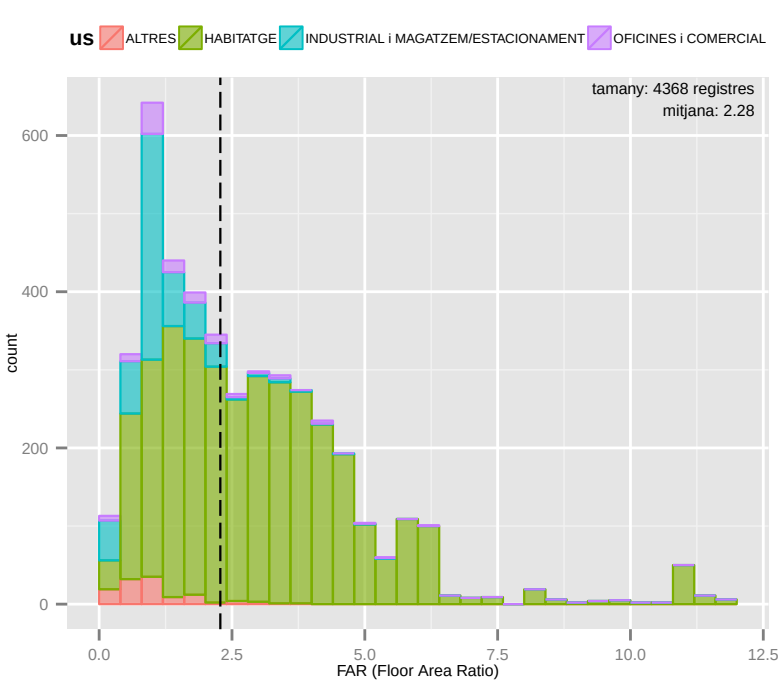


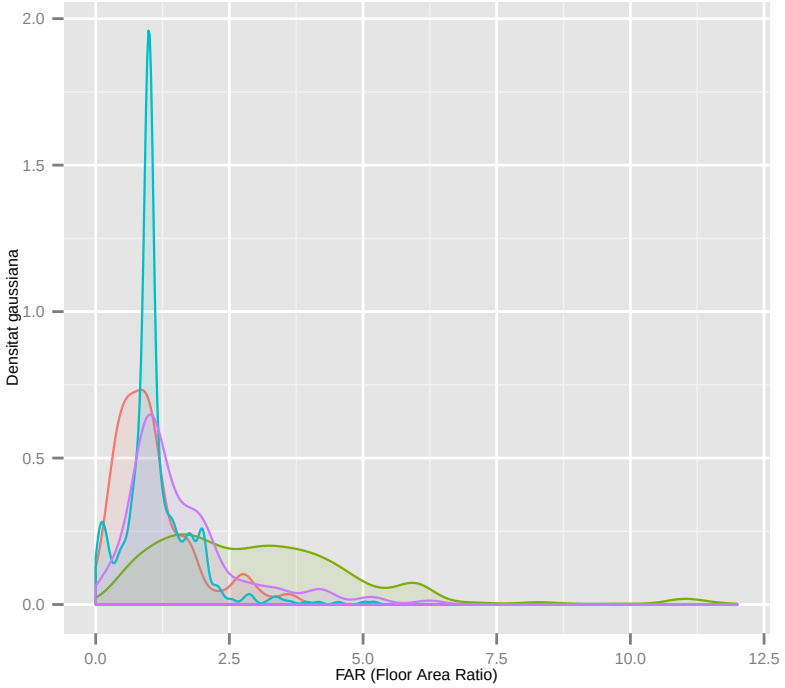


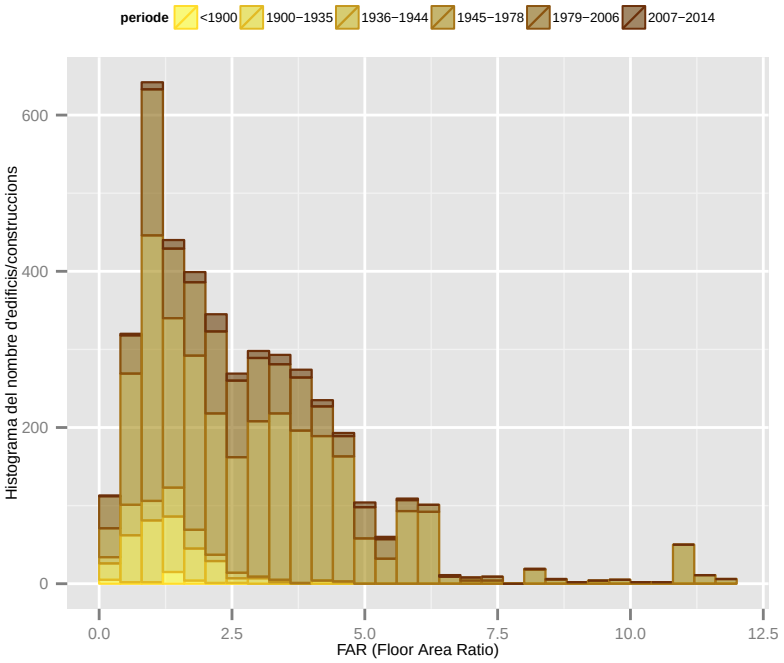


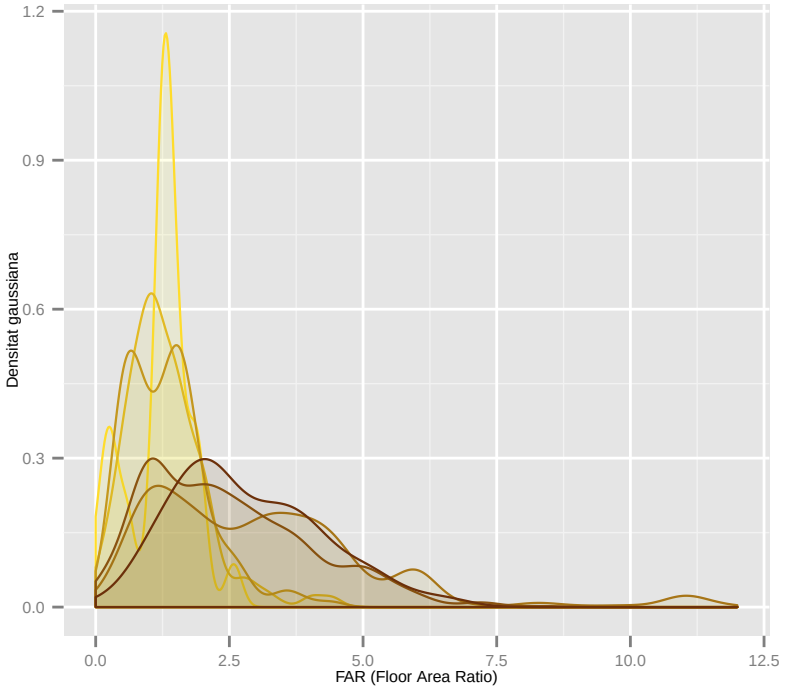
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

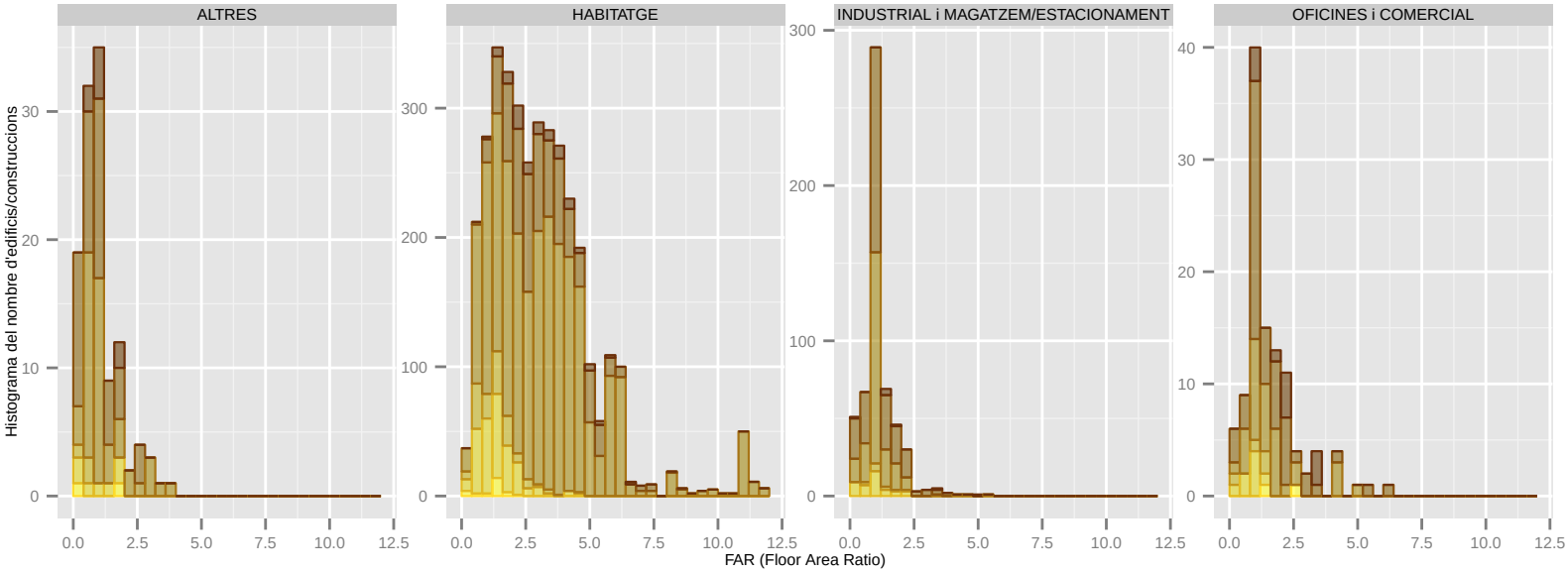
FAR (Floor Area Ratio): CORNELLA DE LLOBREGAT





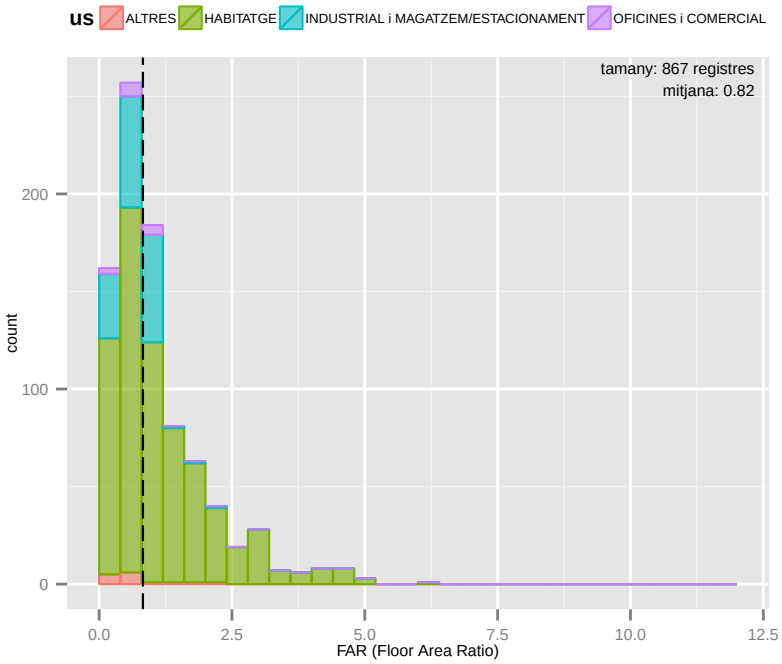


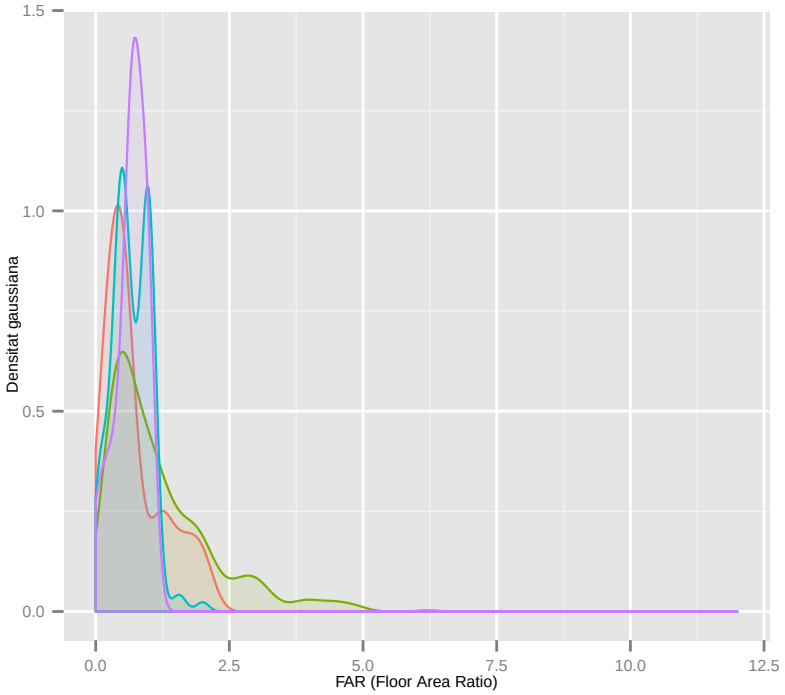


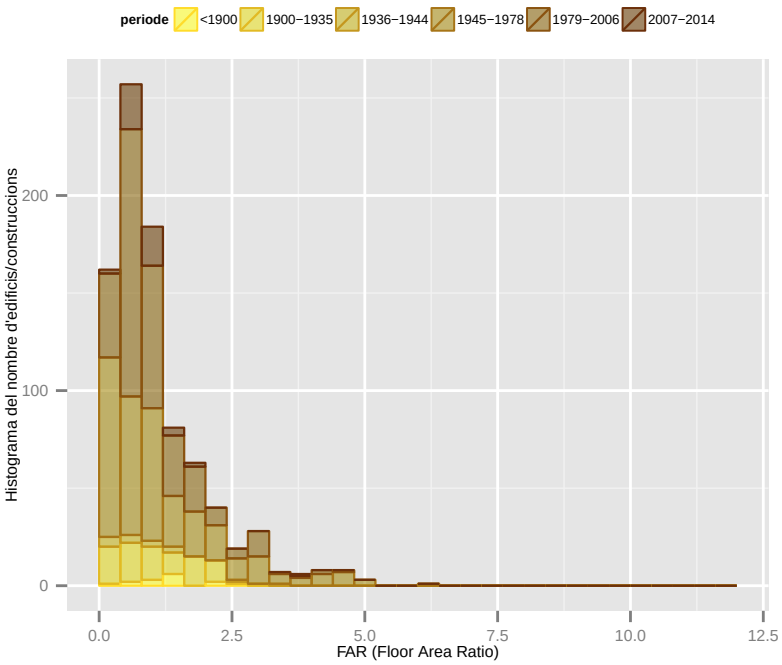


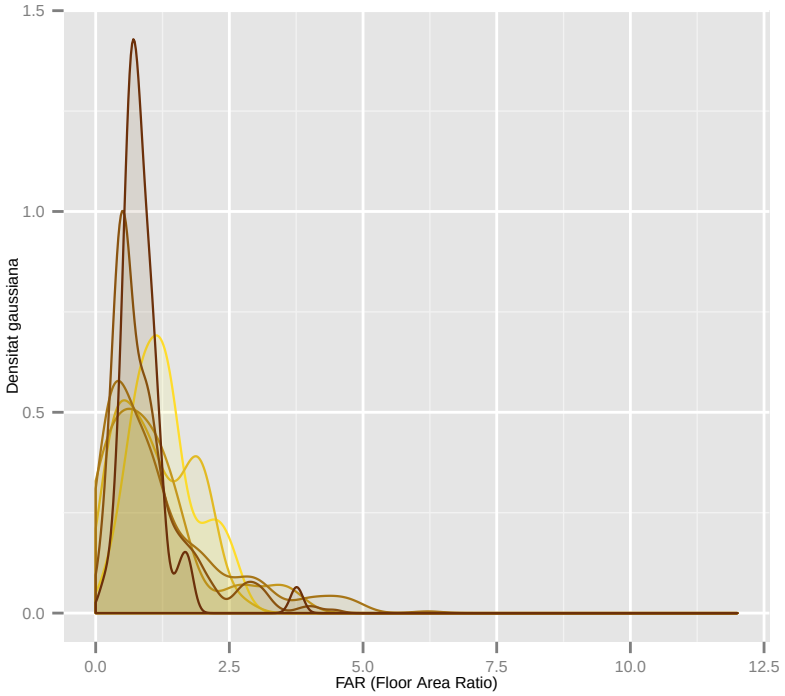
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

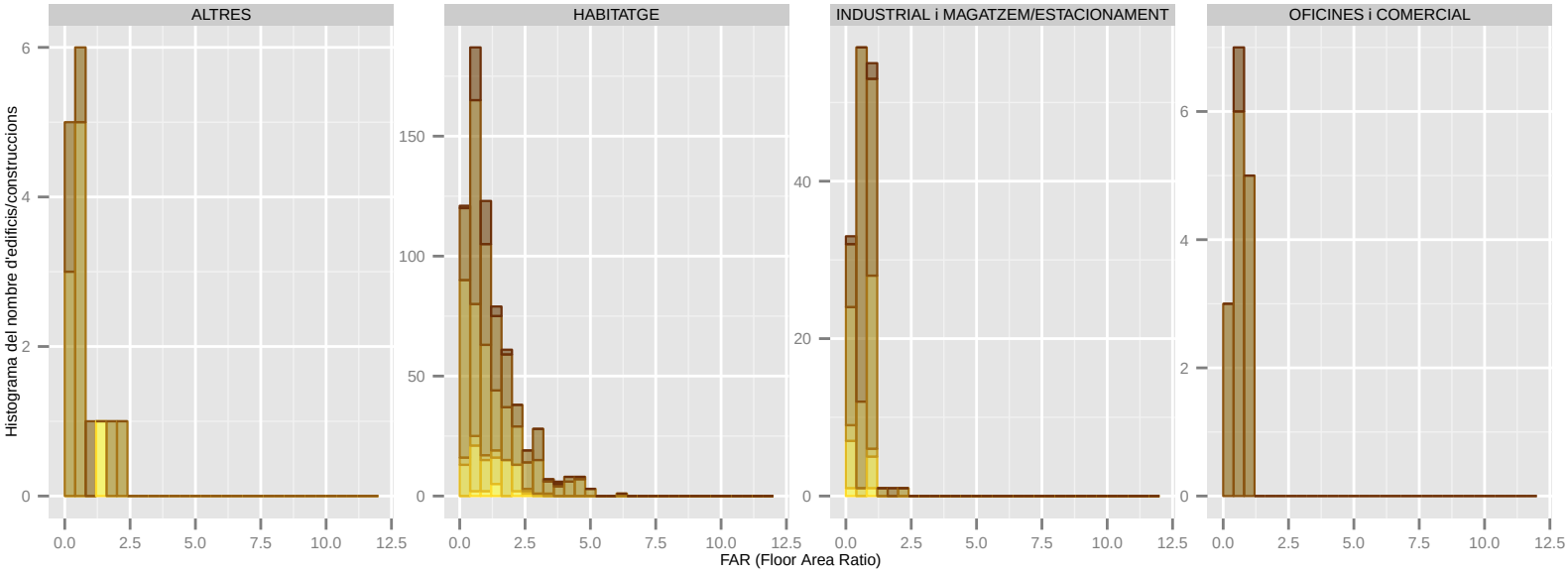
FAR (Floor Area Ratio): EL PAPIOL





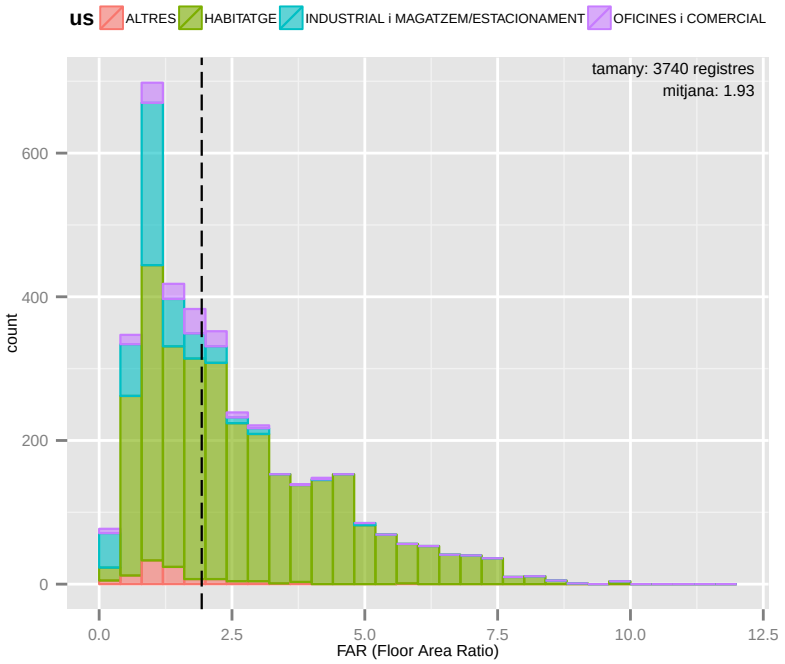


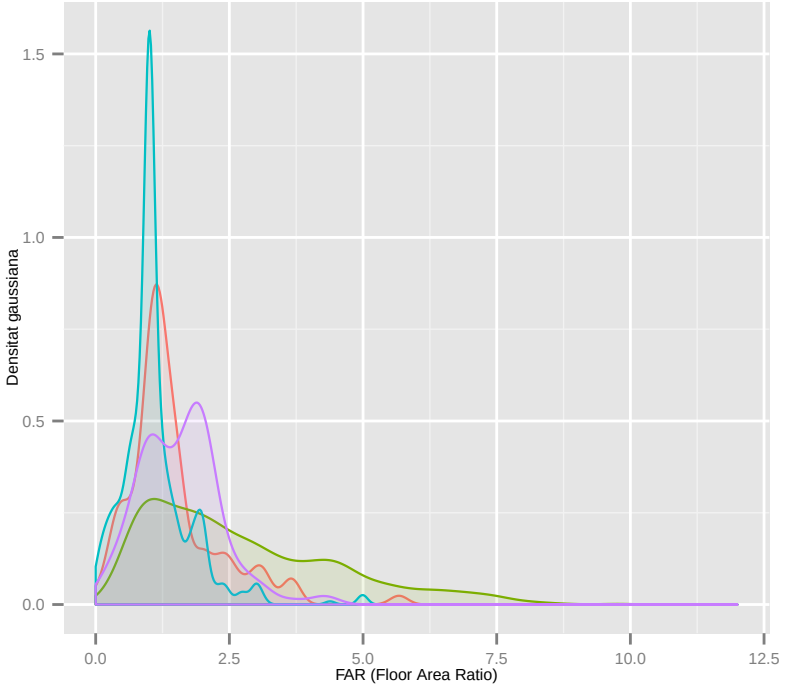


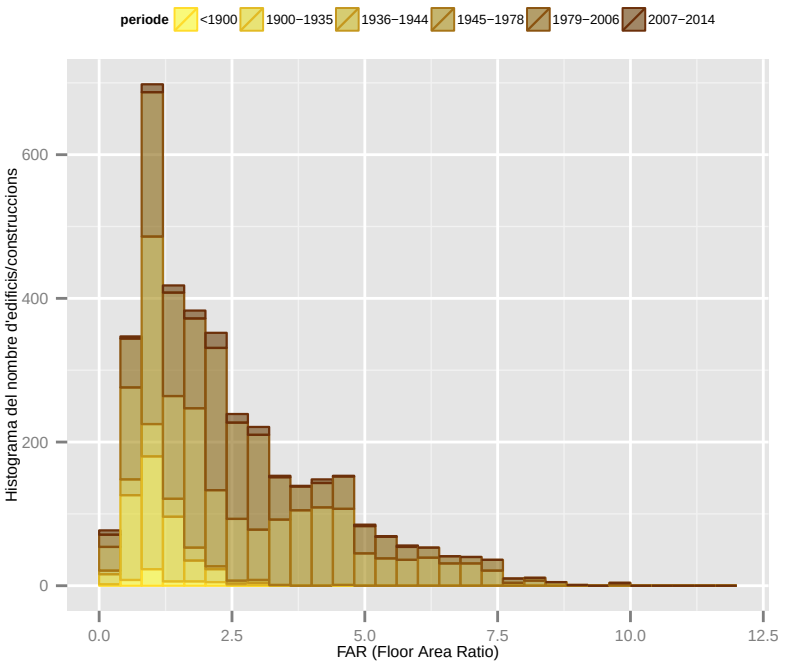


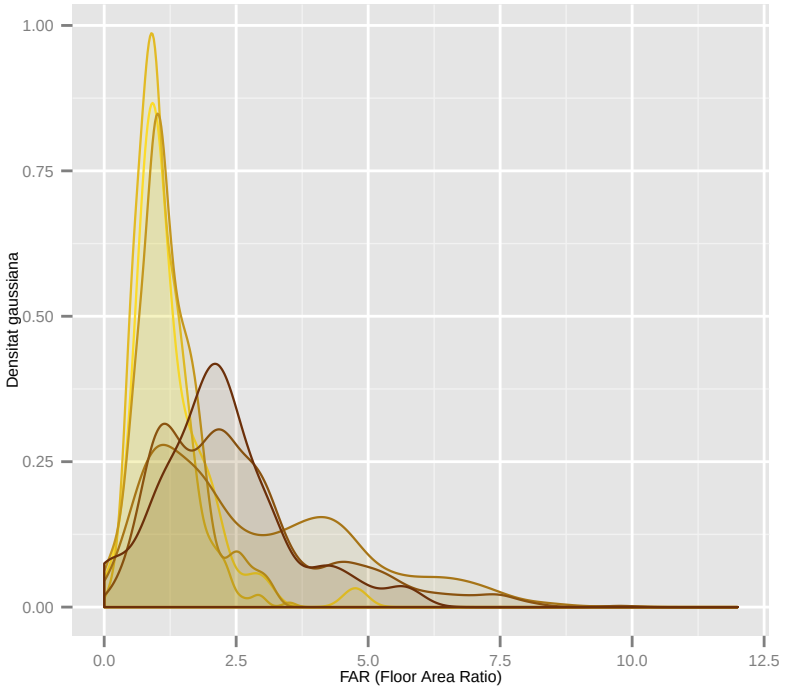
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

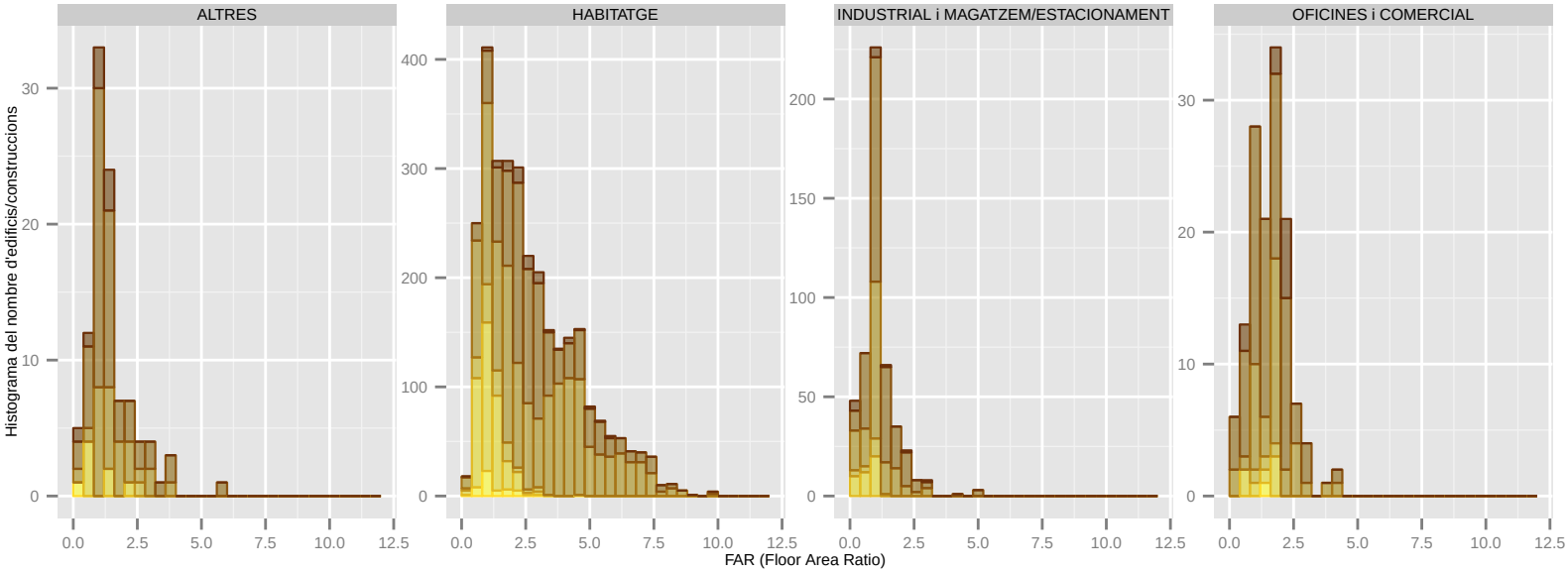
FAR (Floor Area Ratio): EL PRAT DE LLOBREGAT





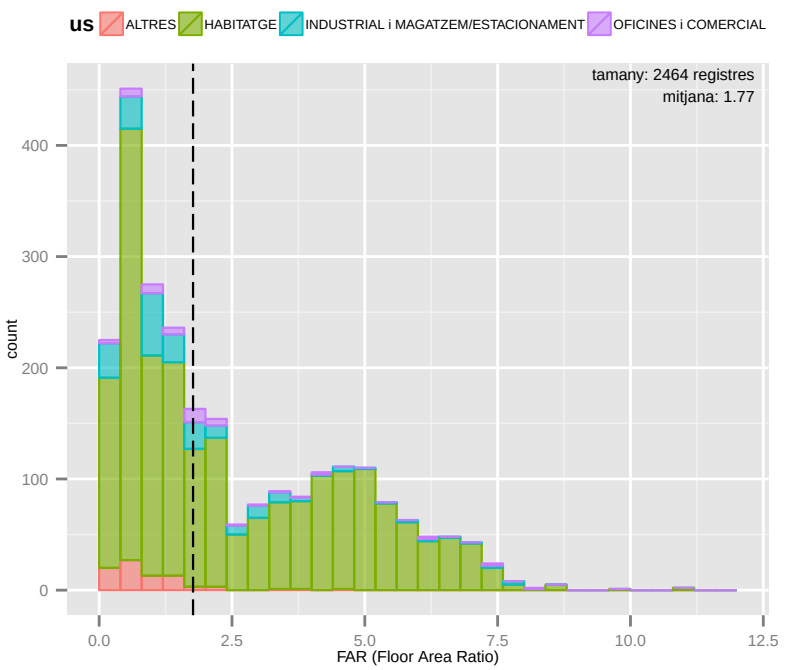


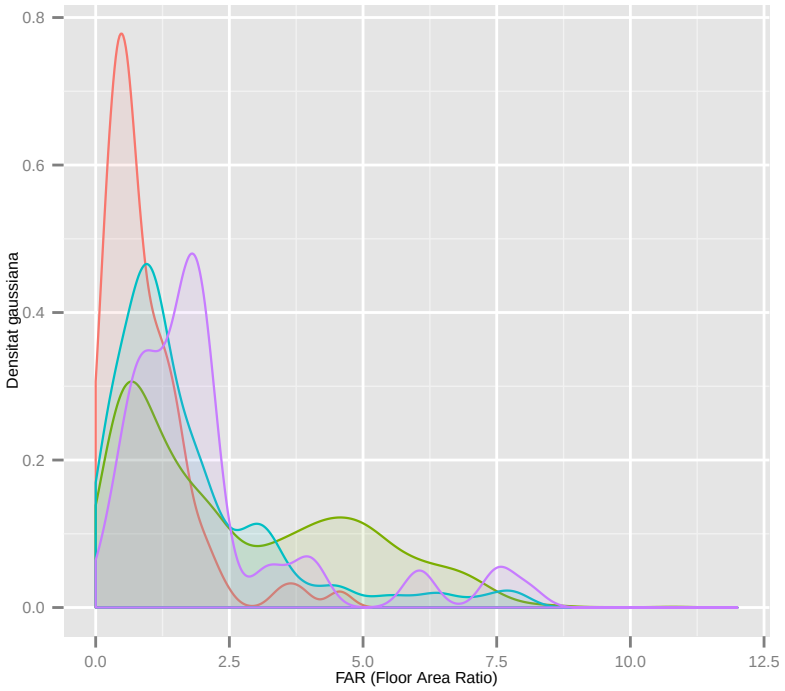


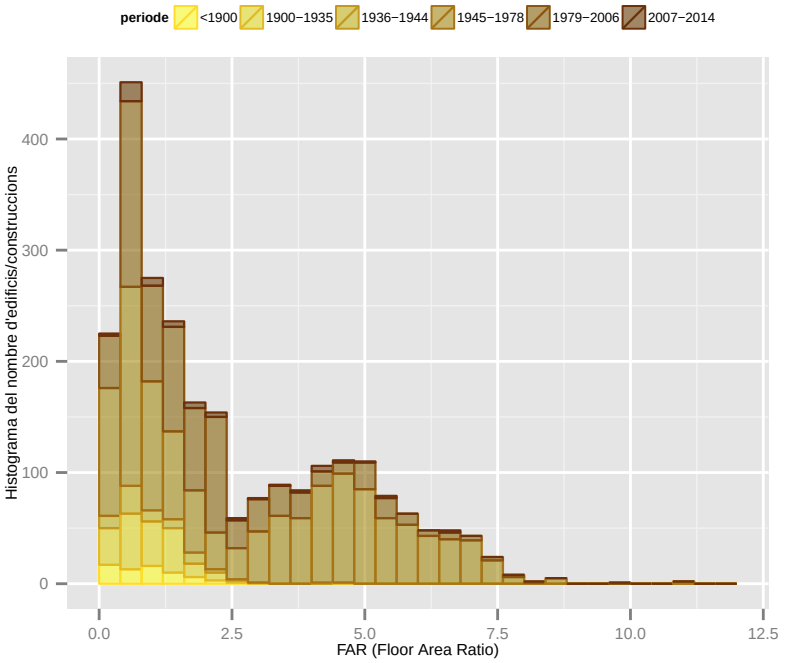


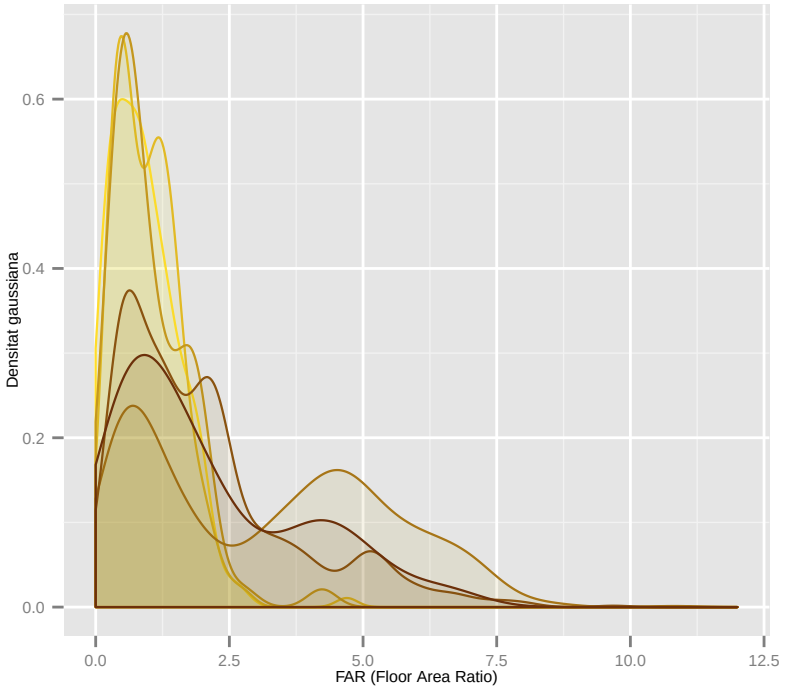
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

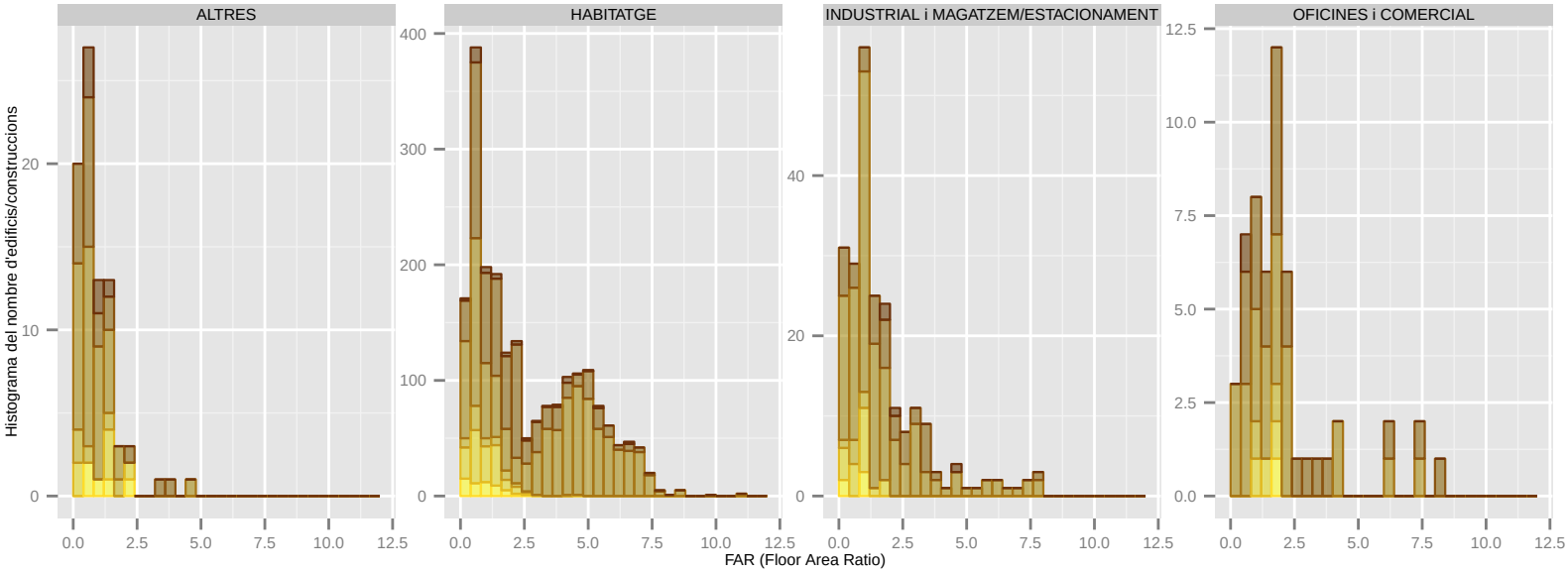
FAR (Floor Area Ratio): ESPLUGUES DE LLOBREGAT





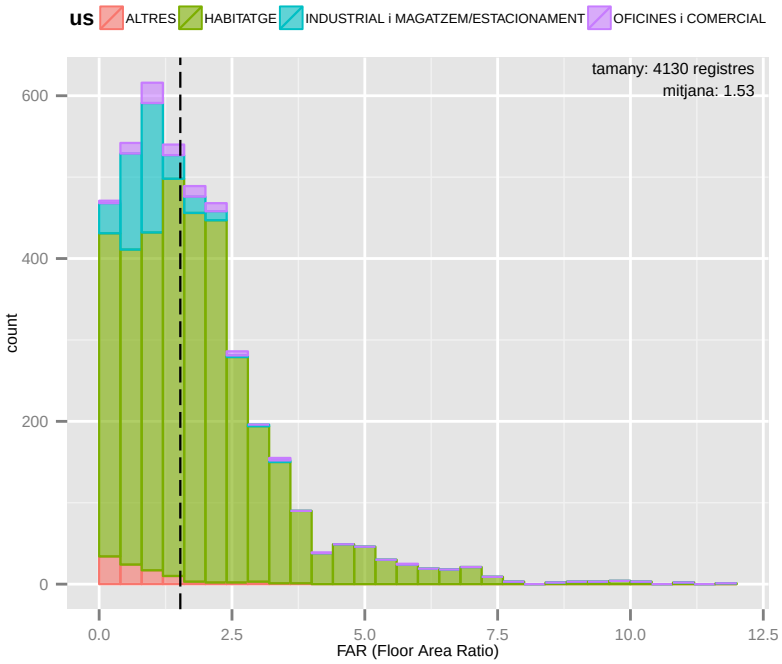


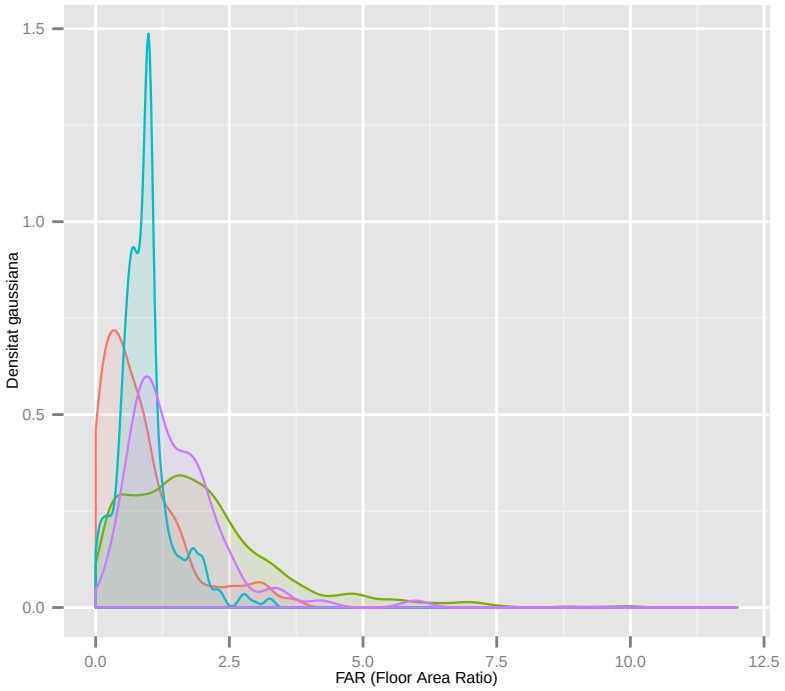


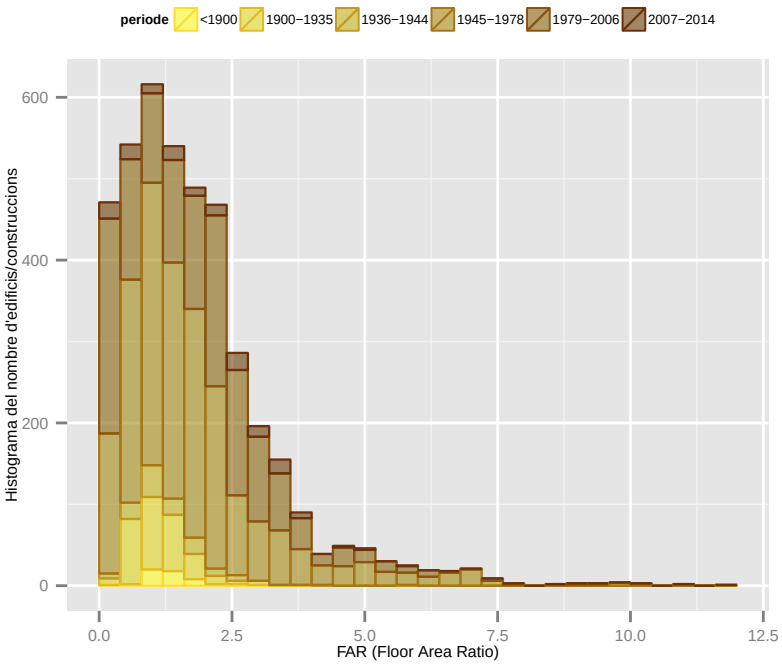


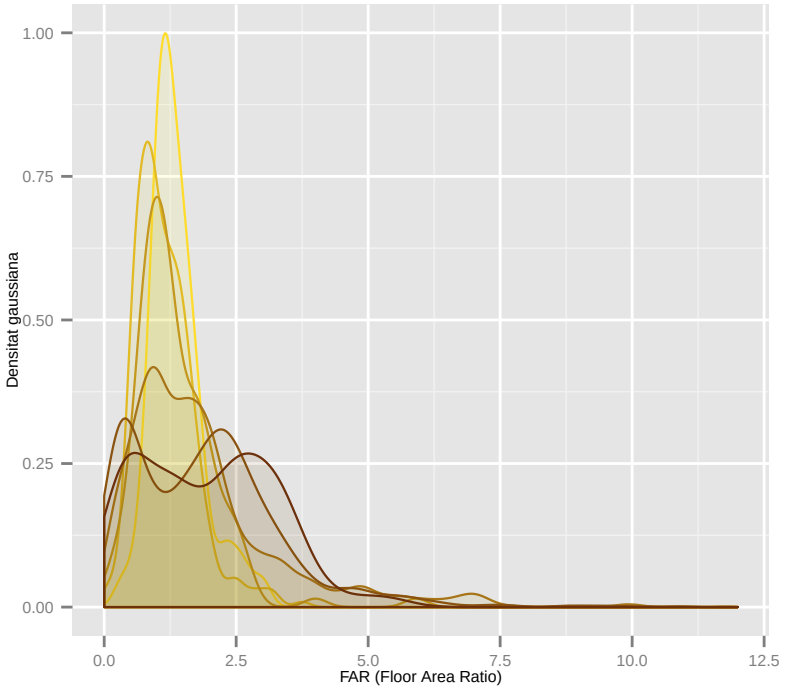
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

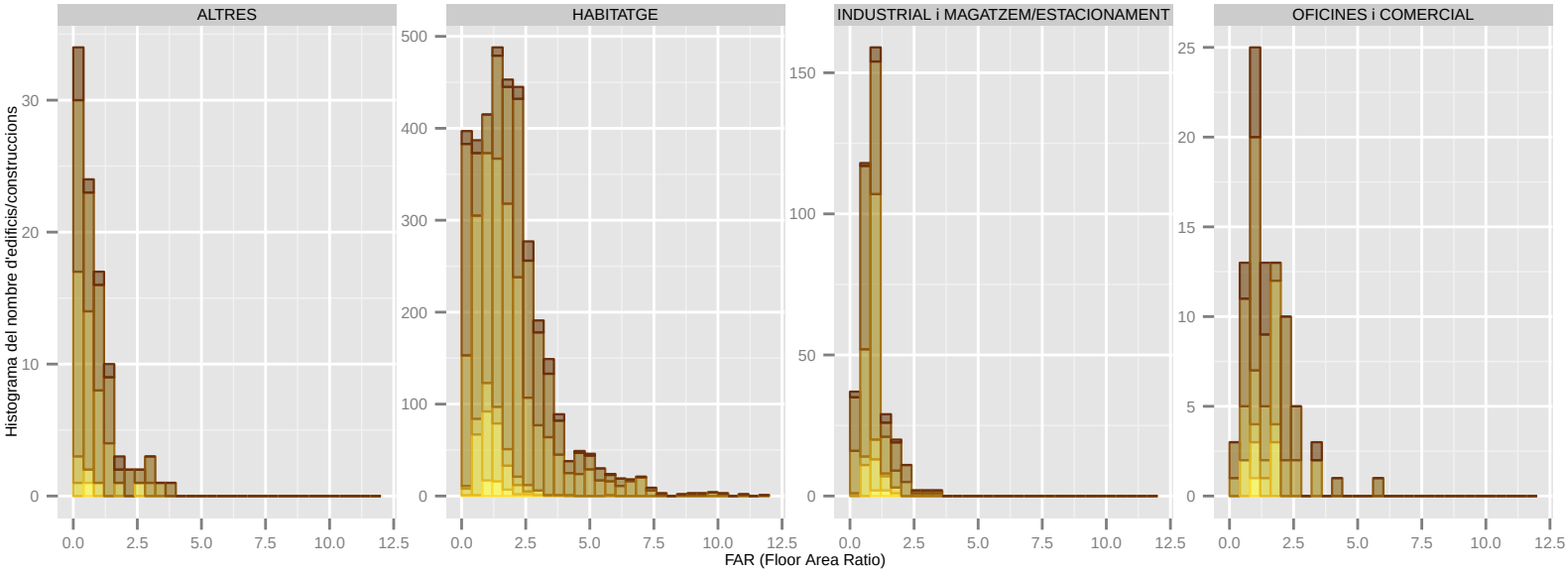
FAR (Floor Area Ratio): GAVA





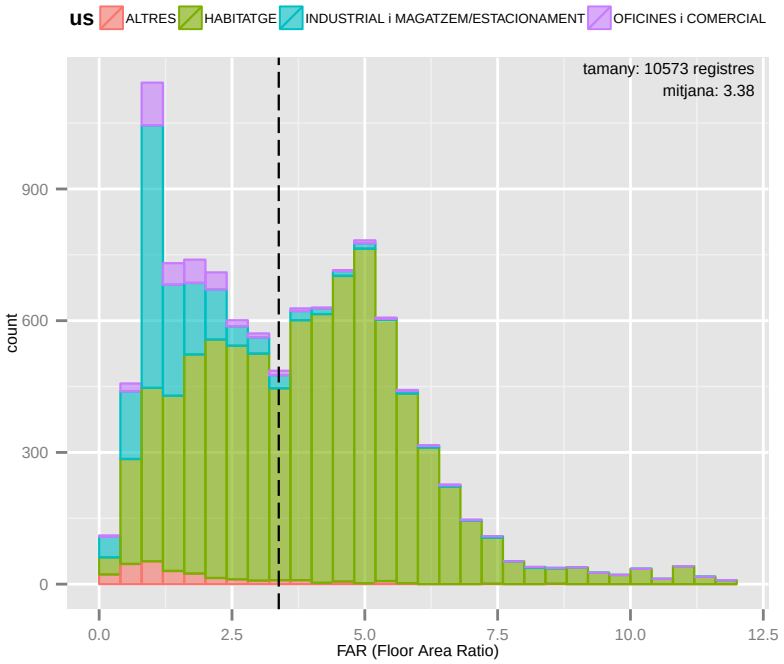


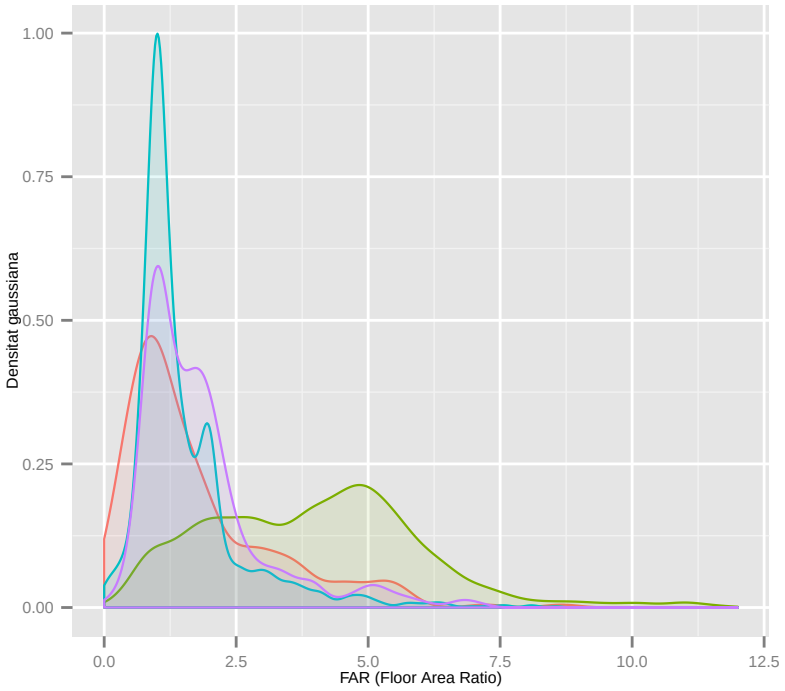


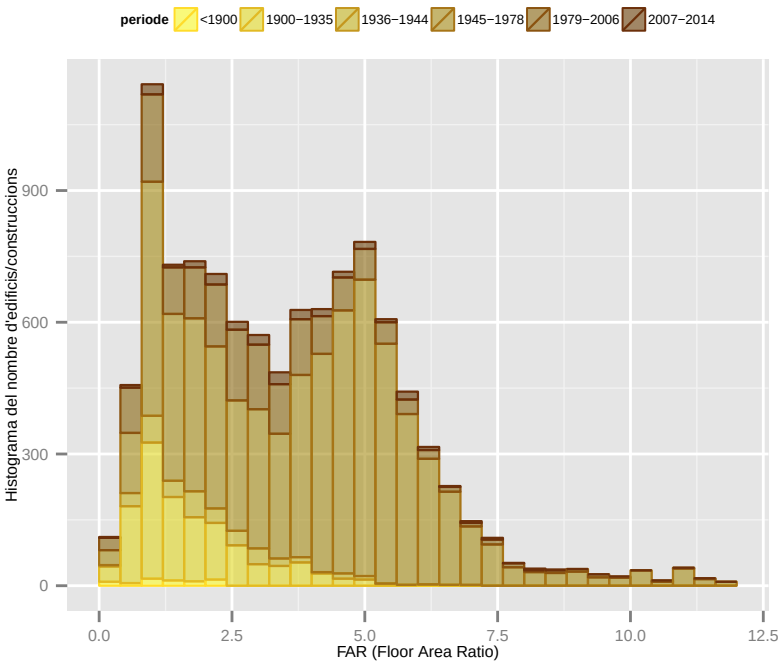


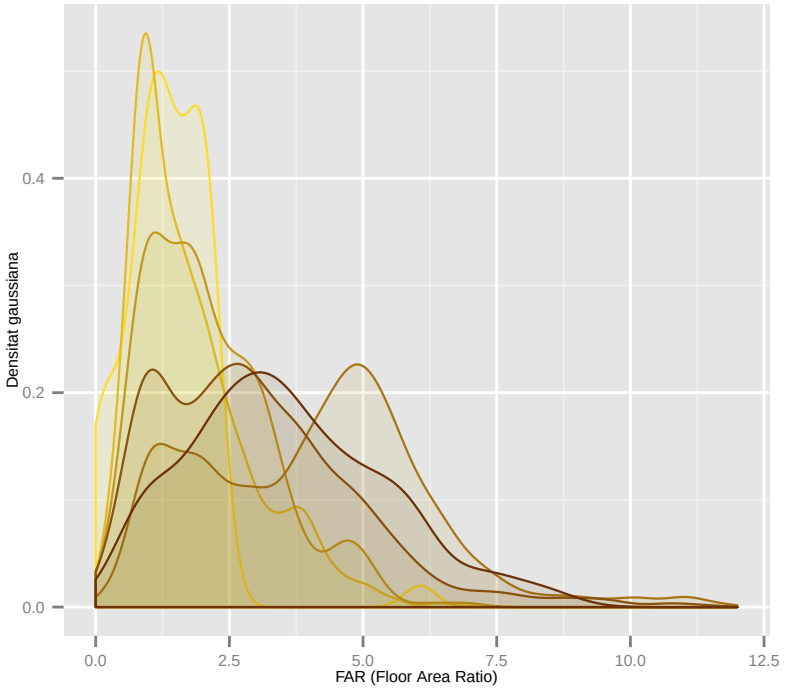
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

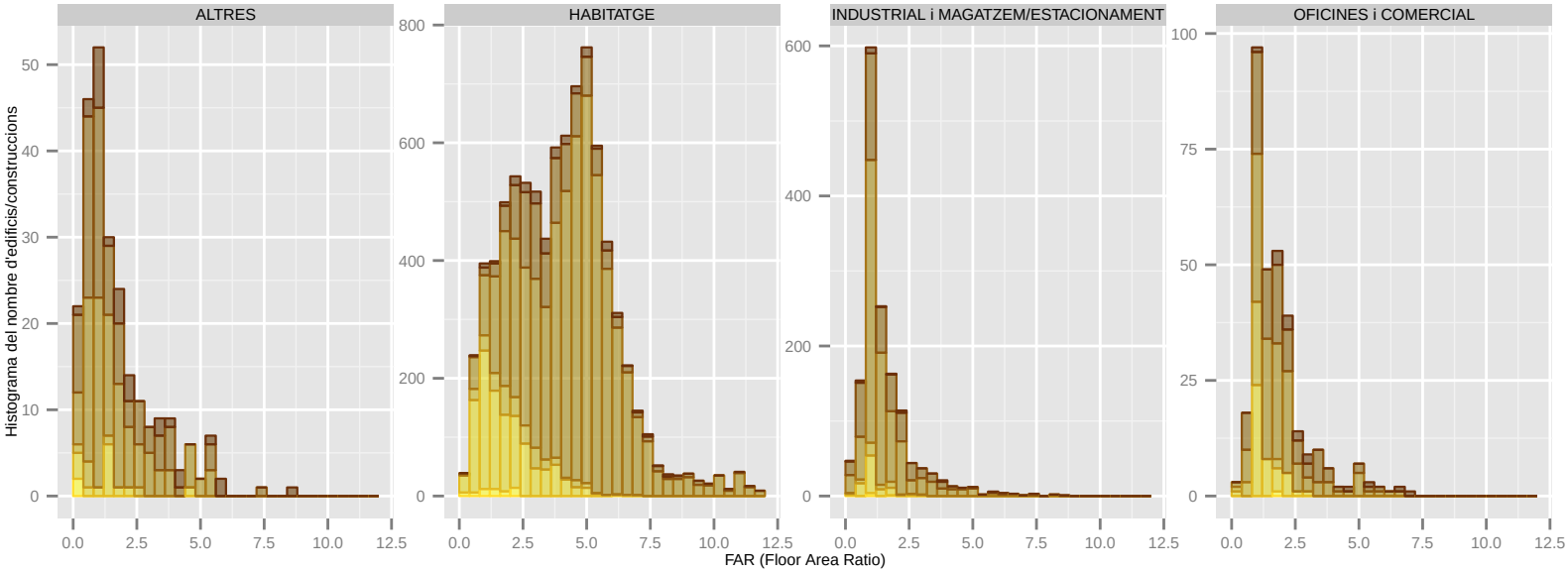
FAR (Floor Area Ratio): L'HOSPITALET DE LLOBREGAT





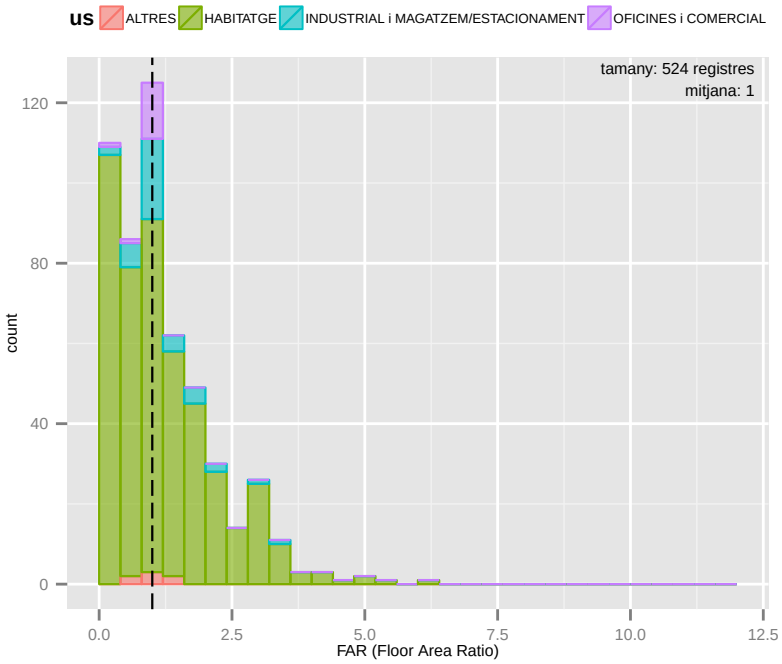


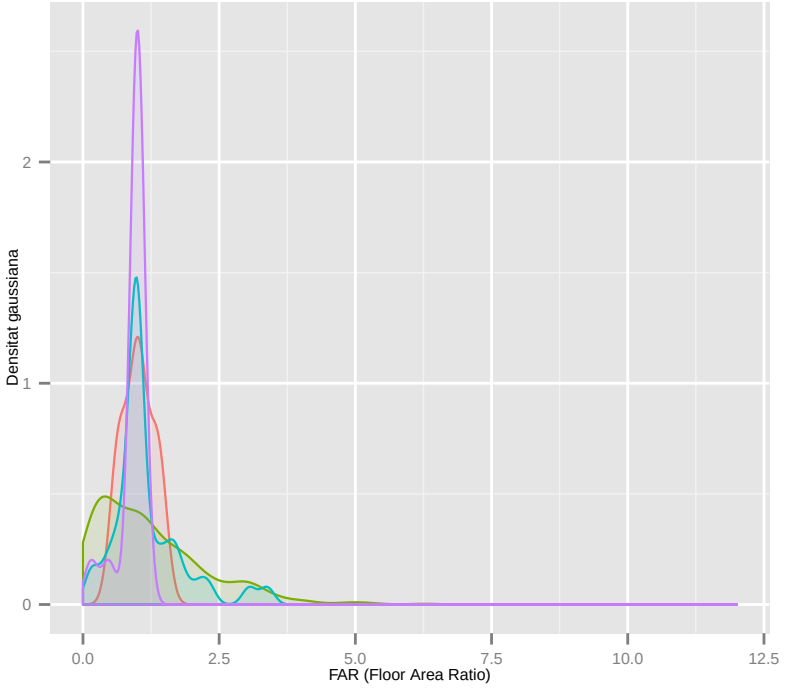


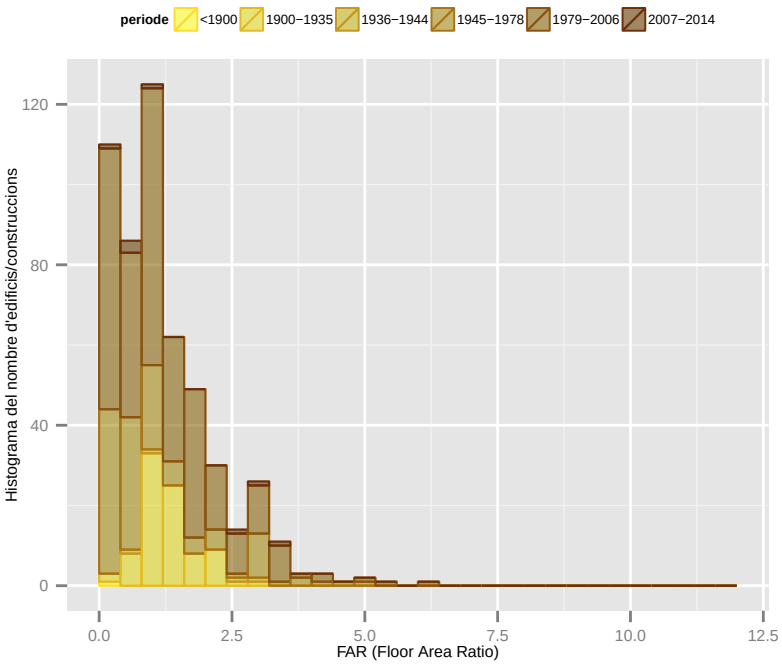


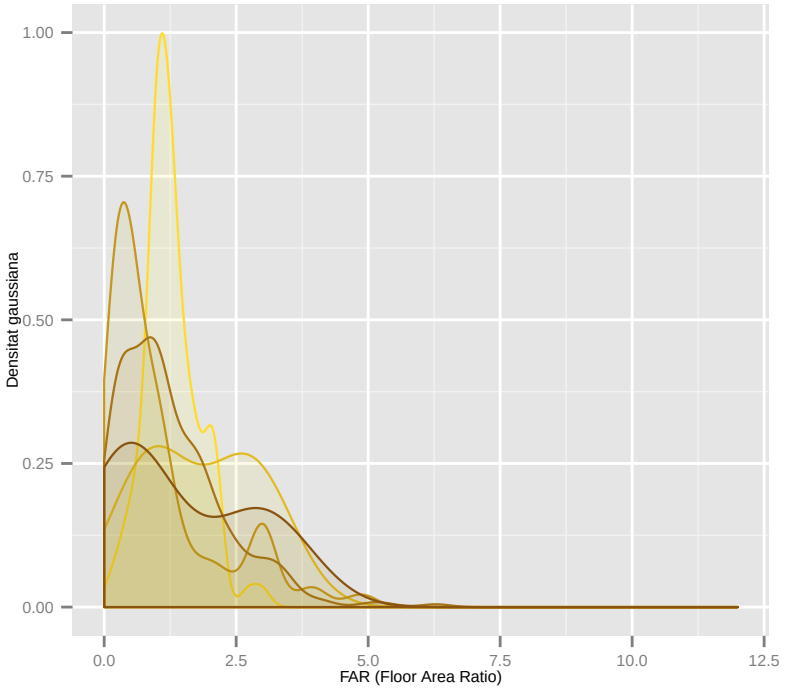
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

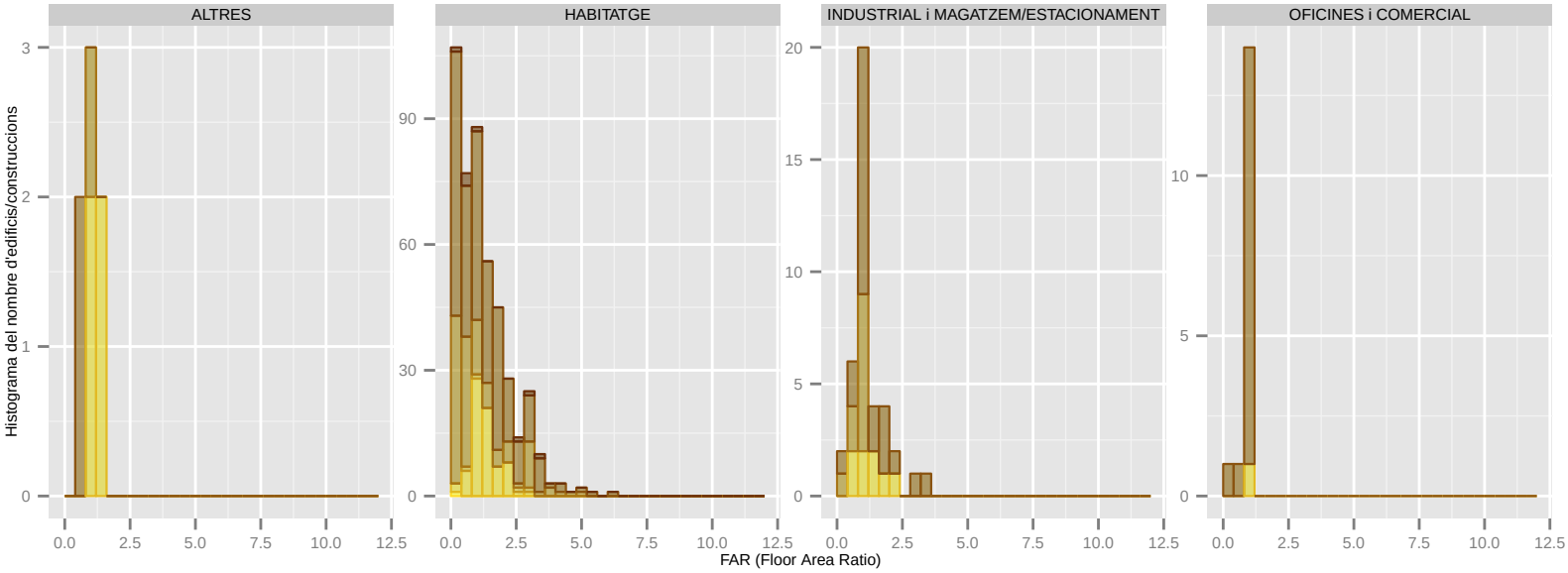
FAR (Floor Area Ratio): LA PALMA DE CERVELLO





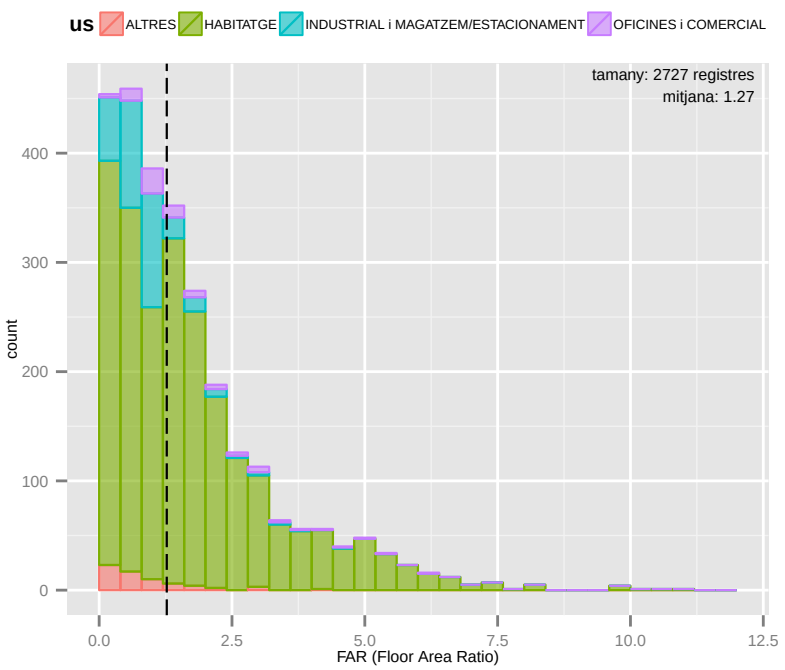


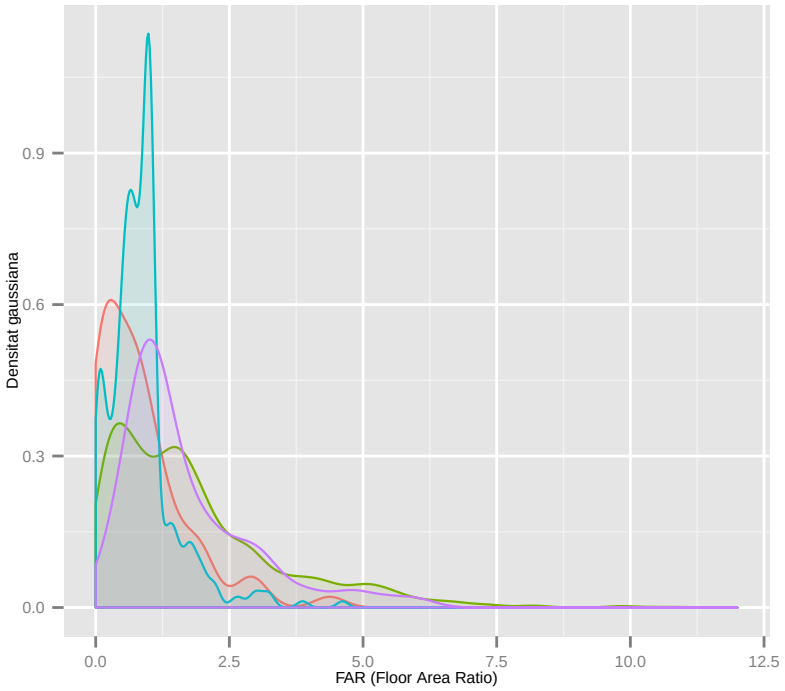


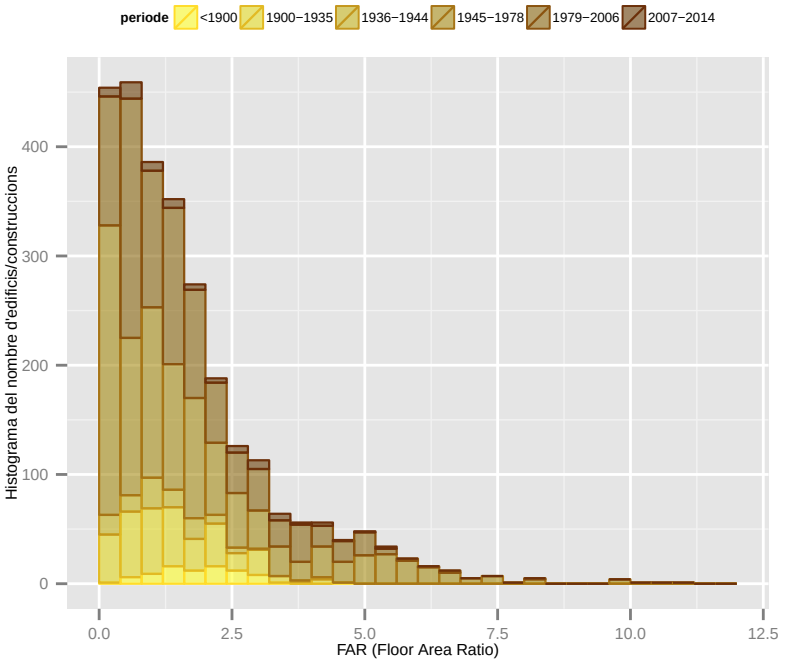


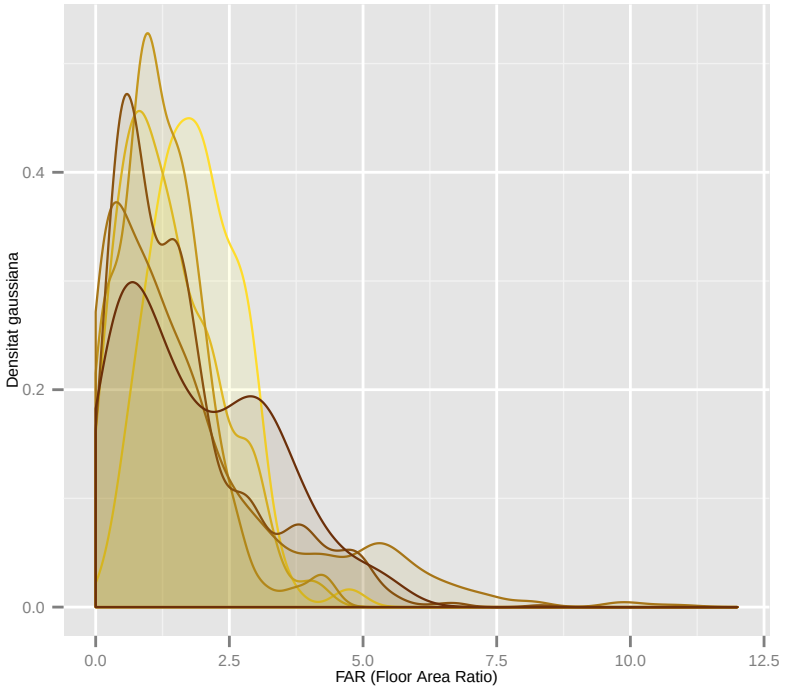
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

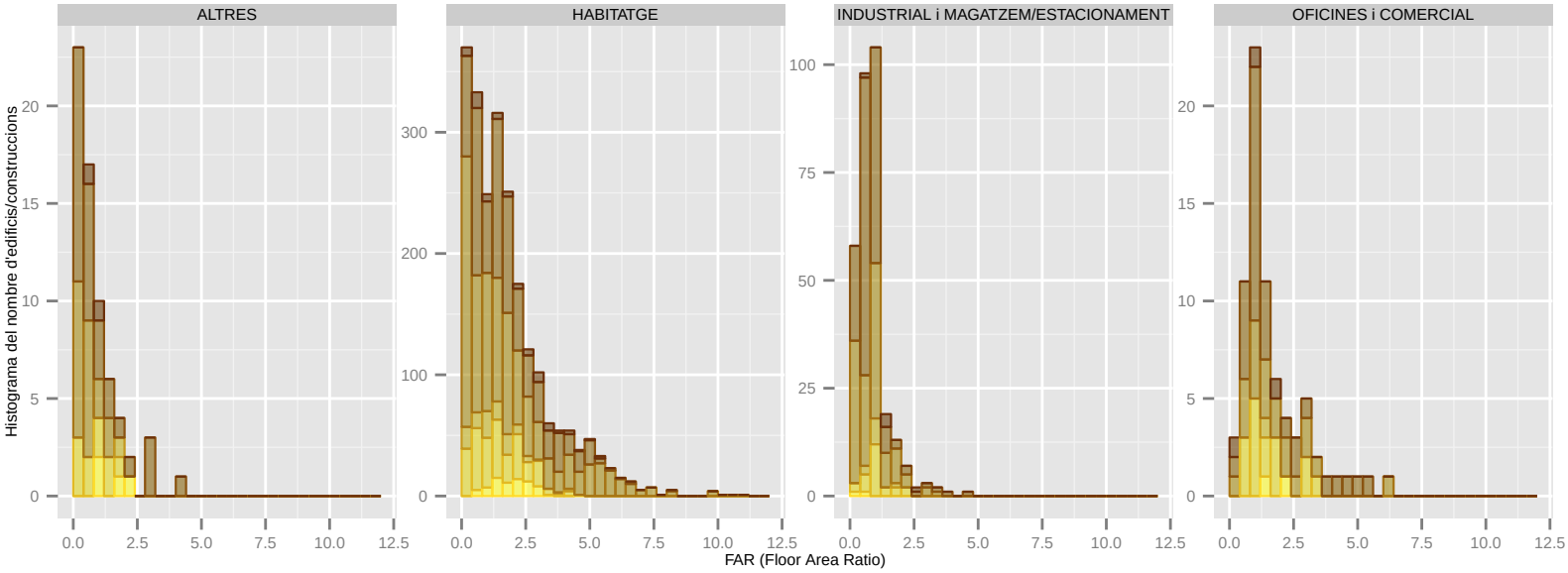
FAR (Floor Area Ratio): MOLINS DE REI





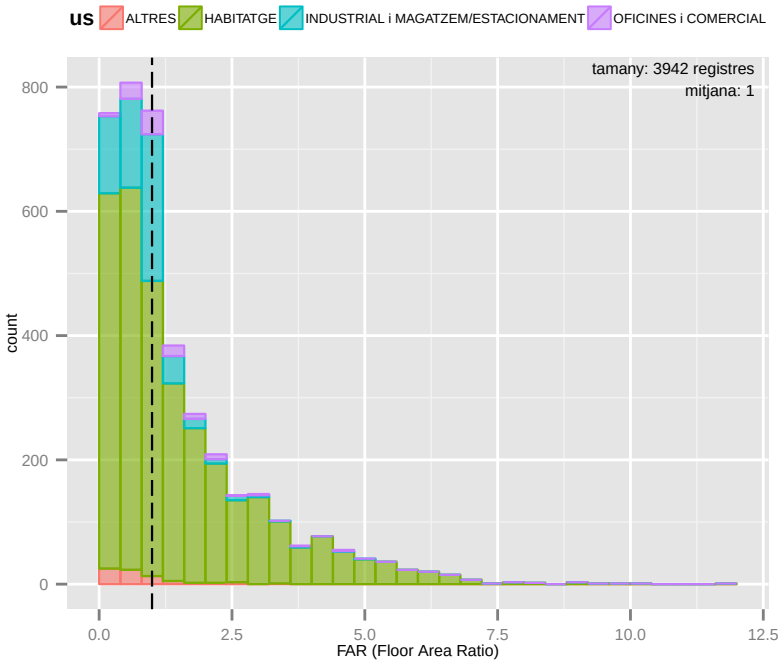


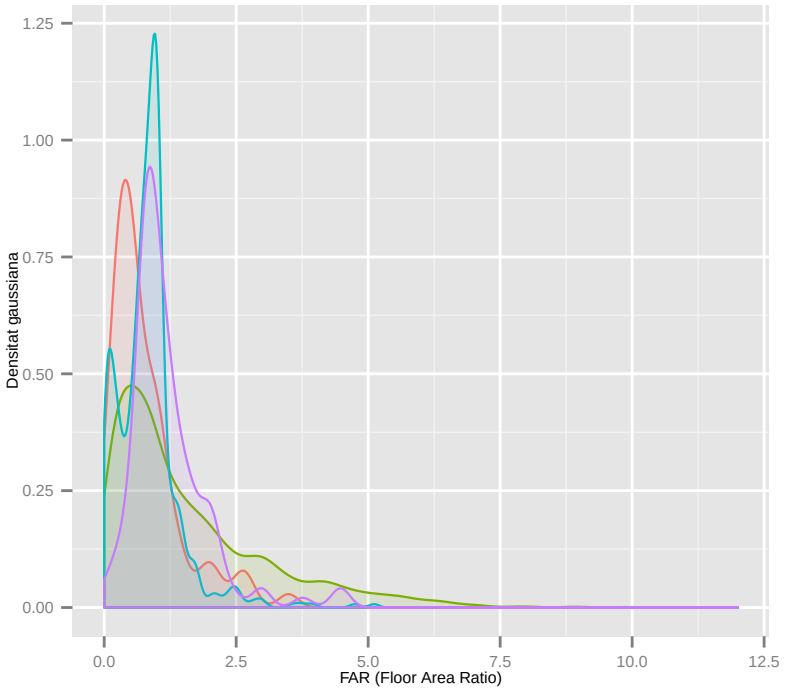


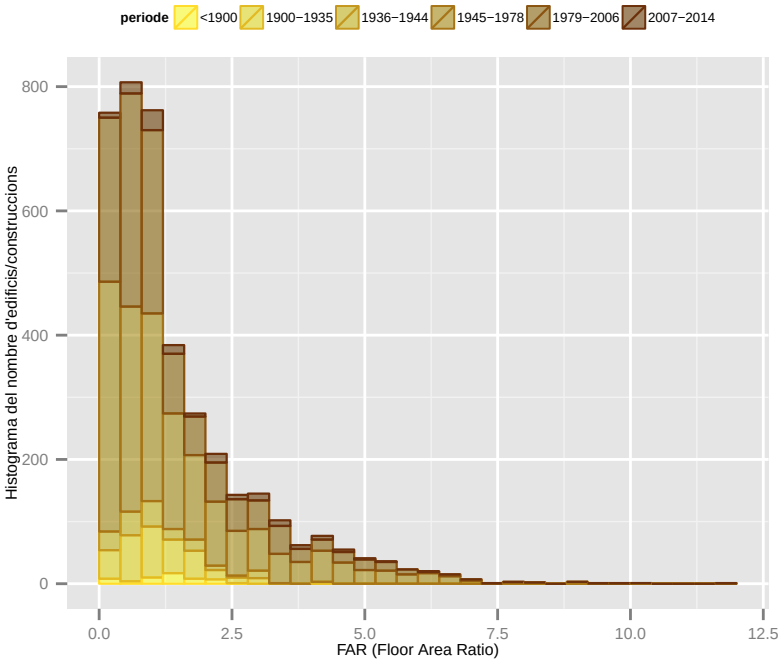


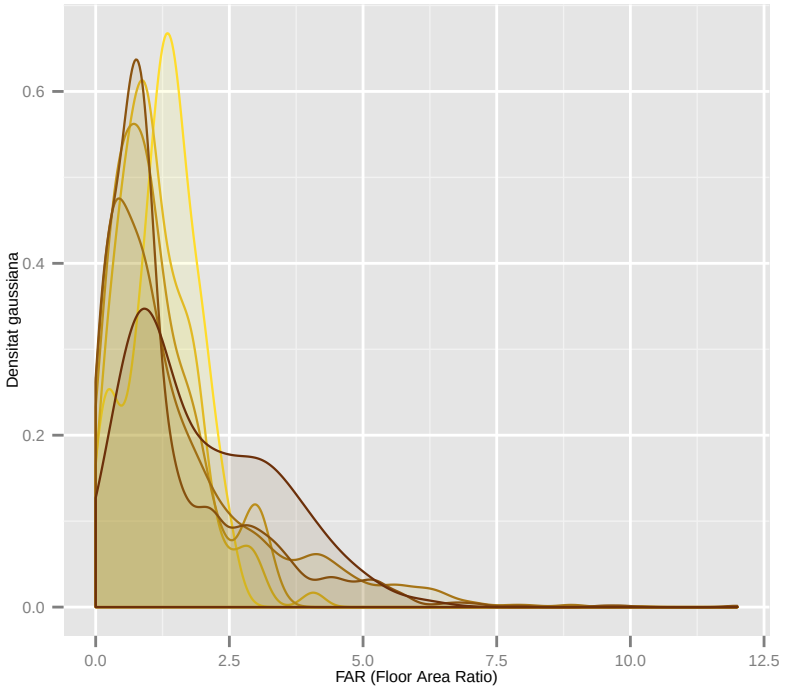
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

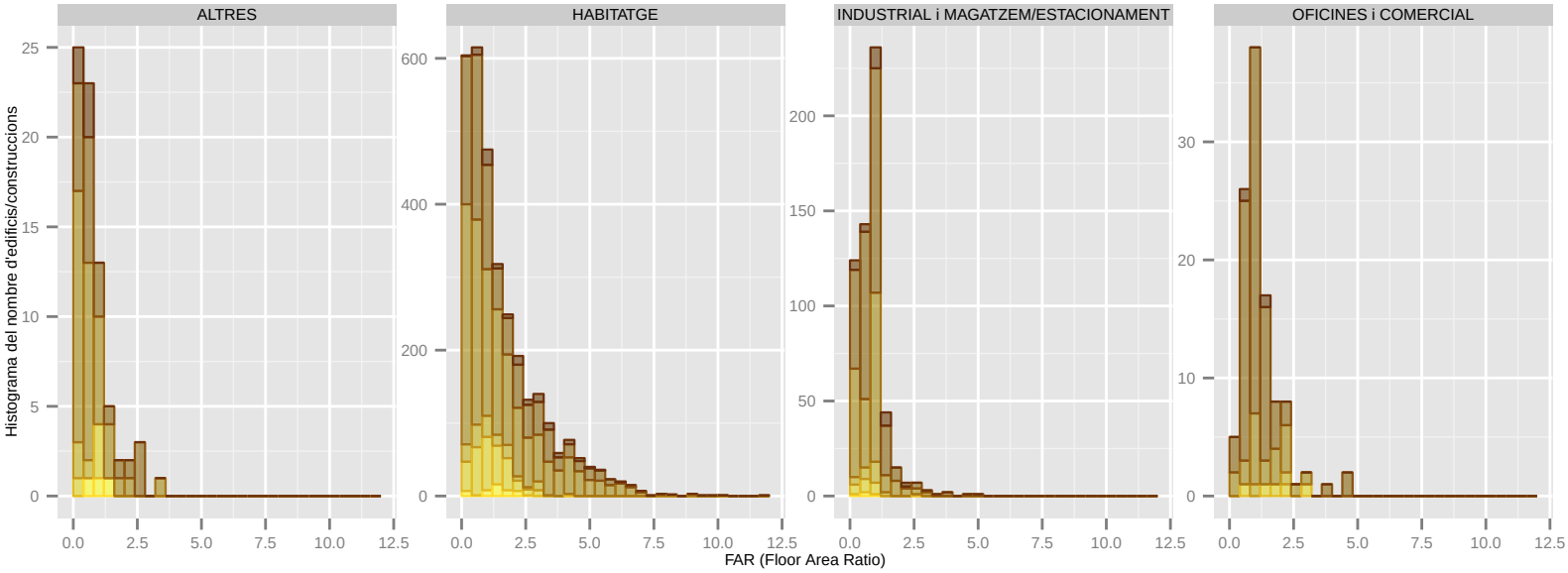
FAR (Floor Area Ratio): MONTCADA I REIXAC





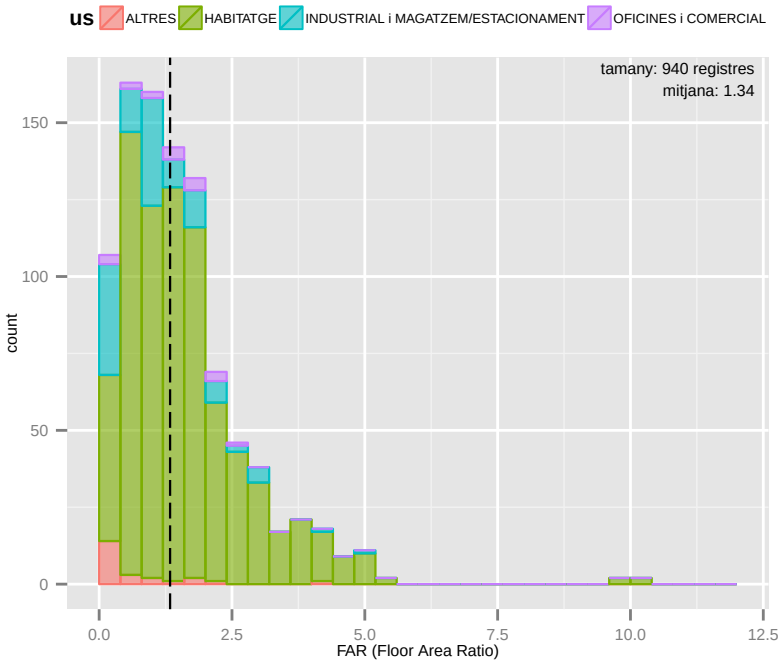


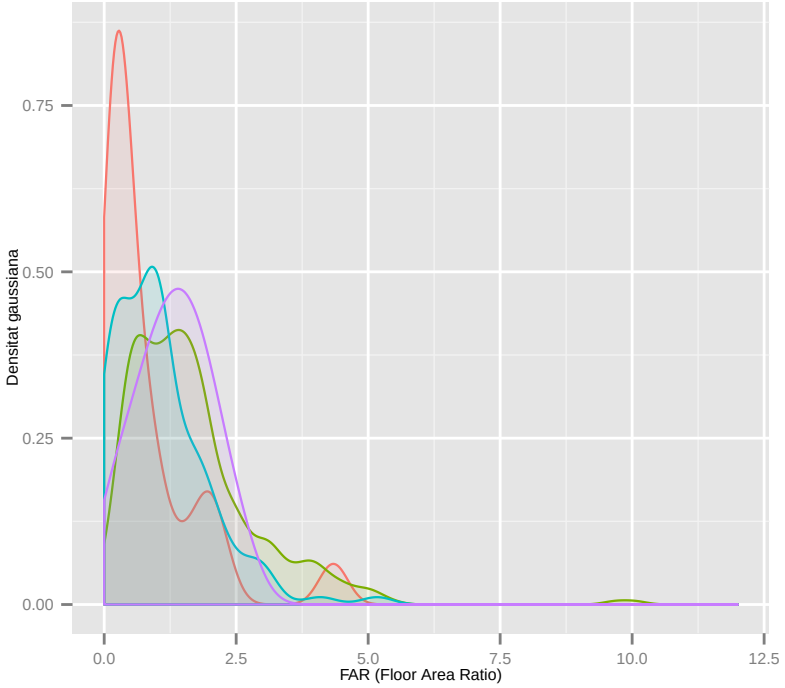


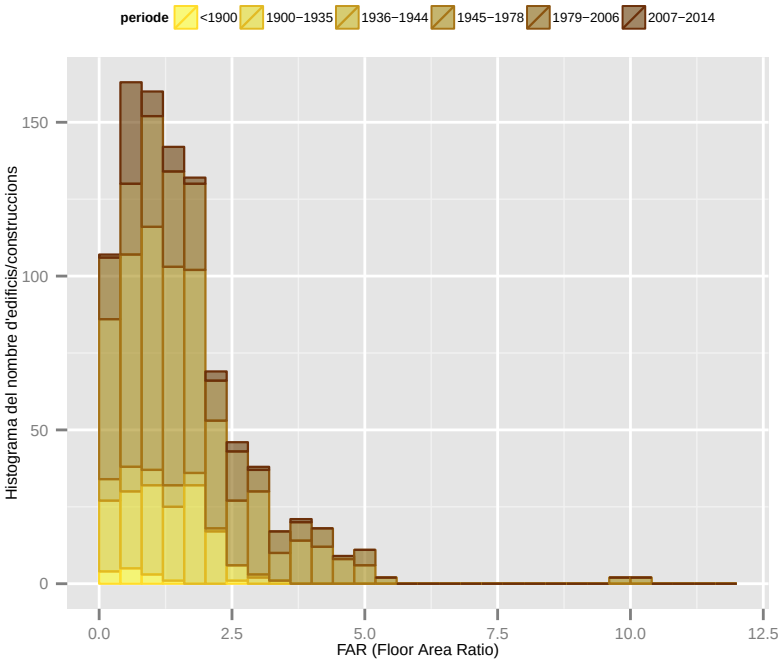


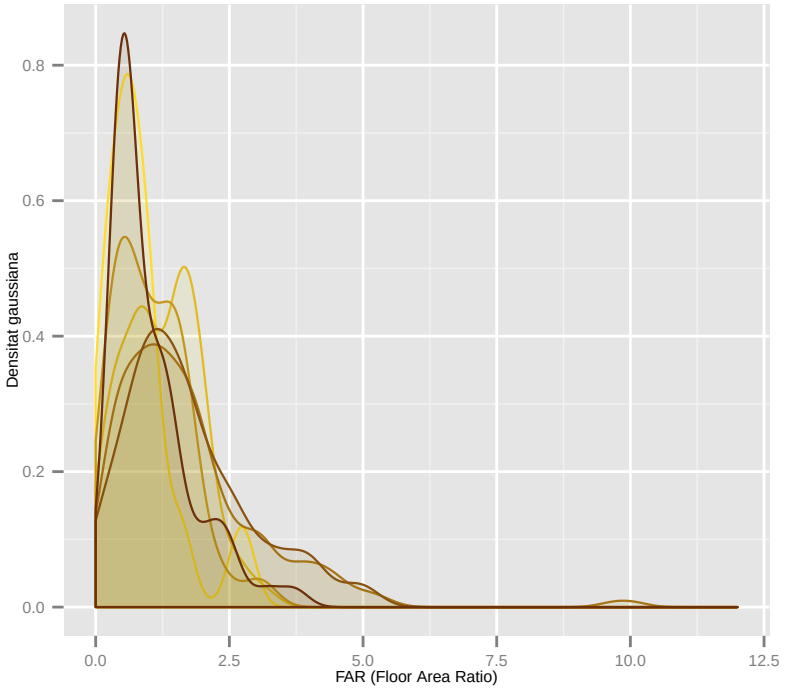
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

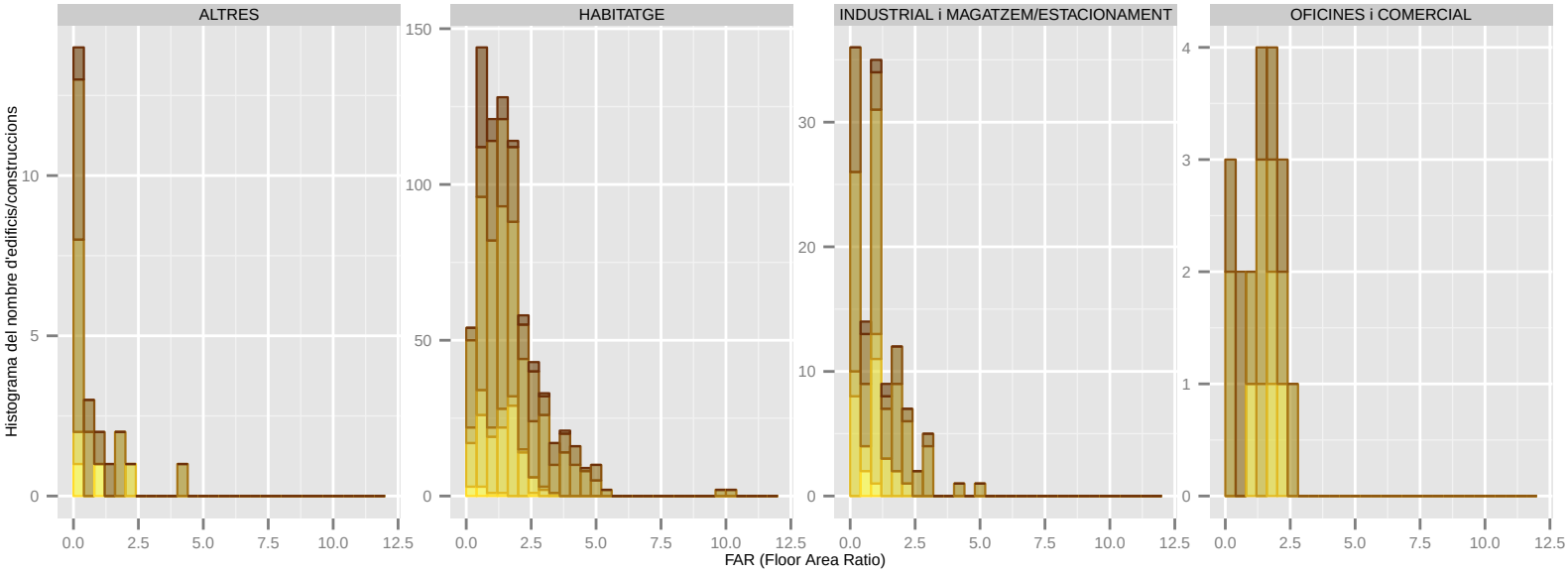
FAR (Floor Area Ratio): MONTGAT





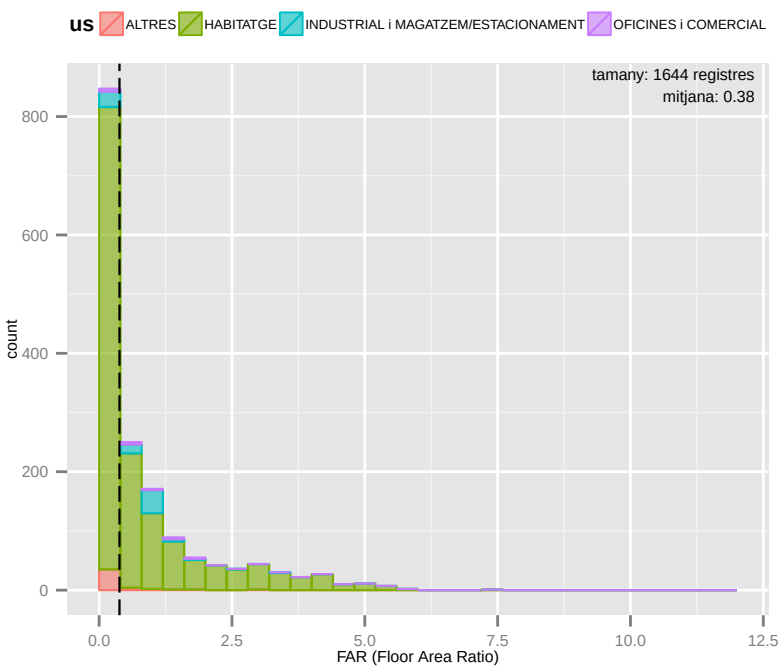


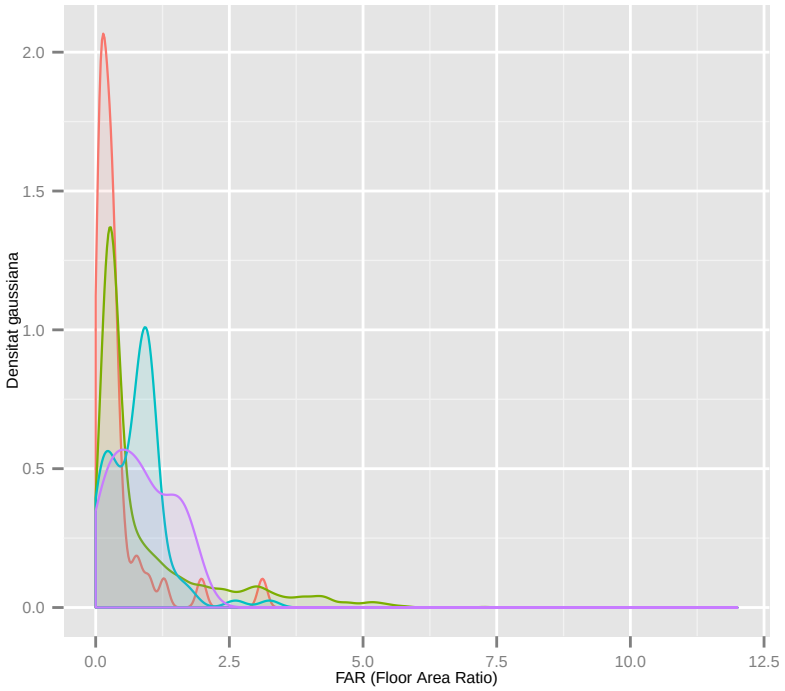


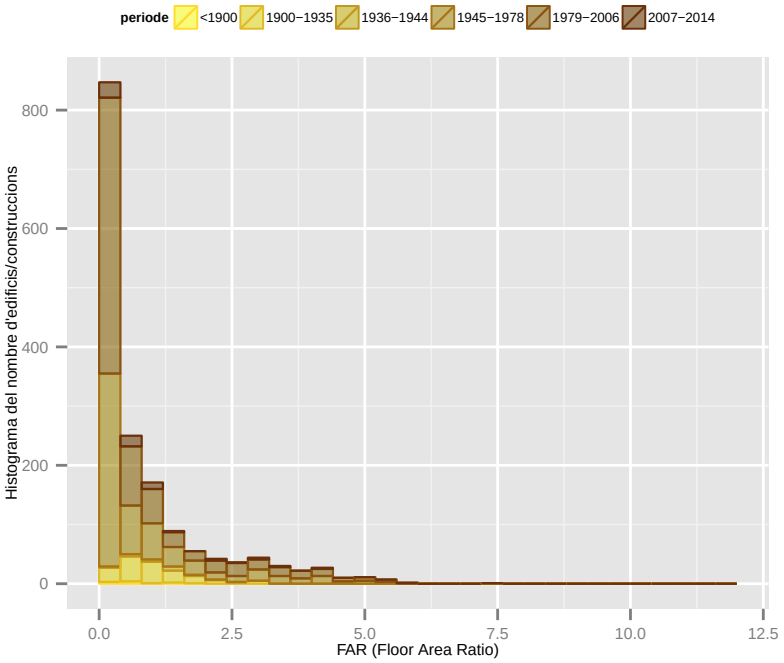


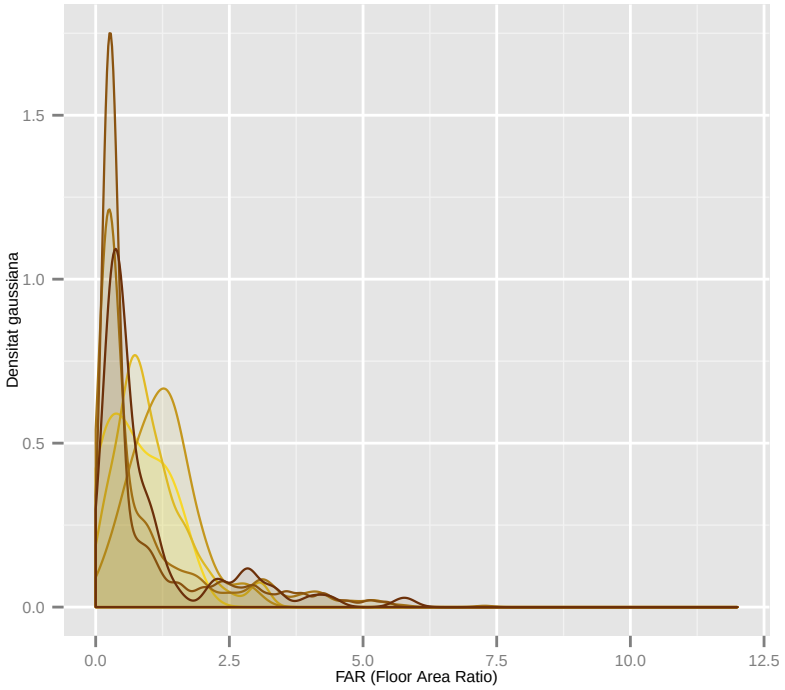
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

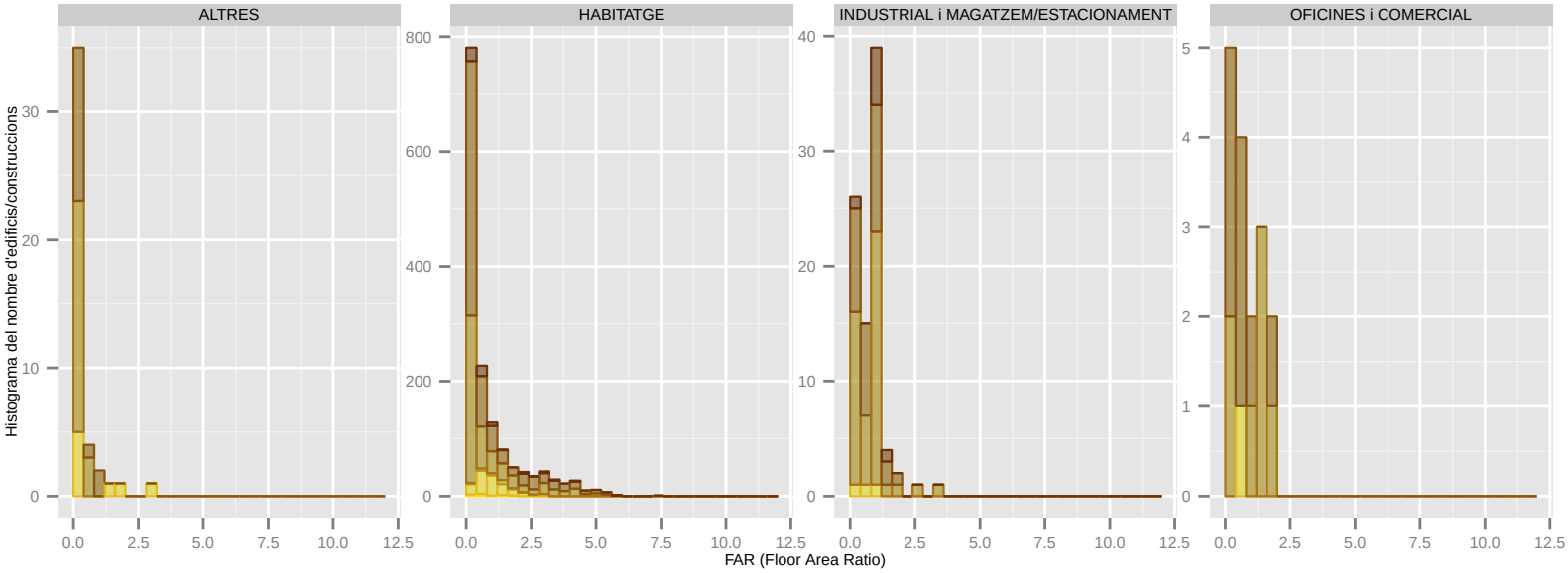
FAR (Floor Area Ratio): PALLEJA





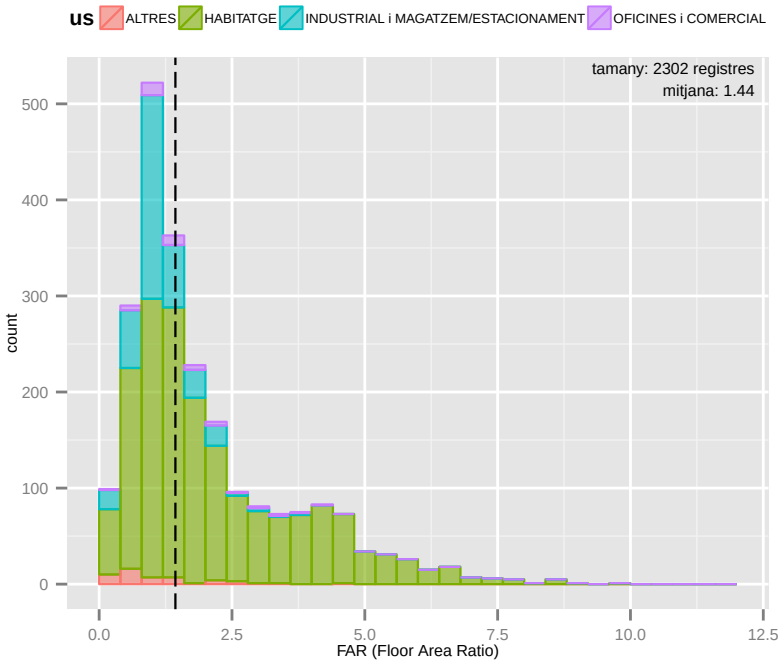


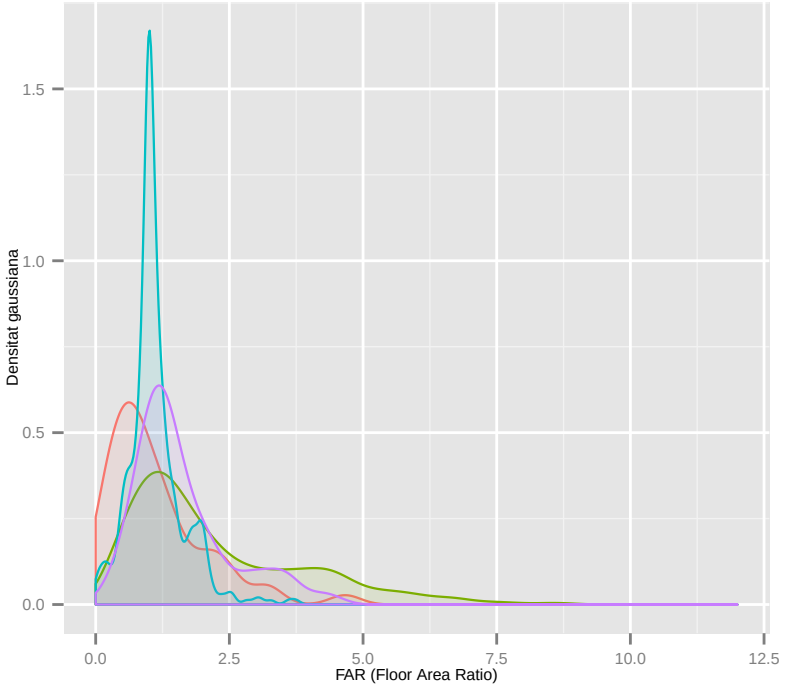


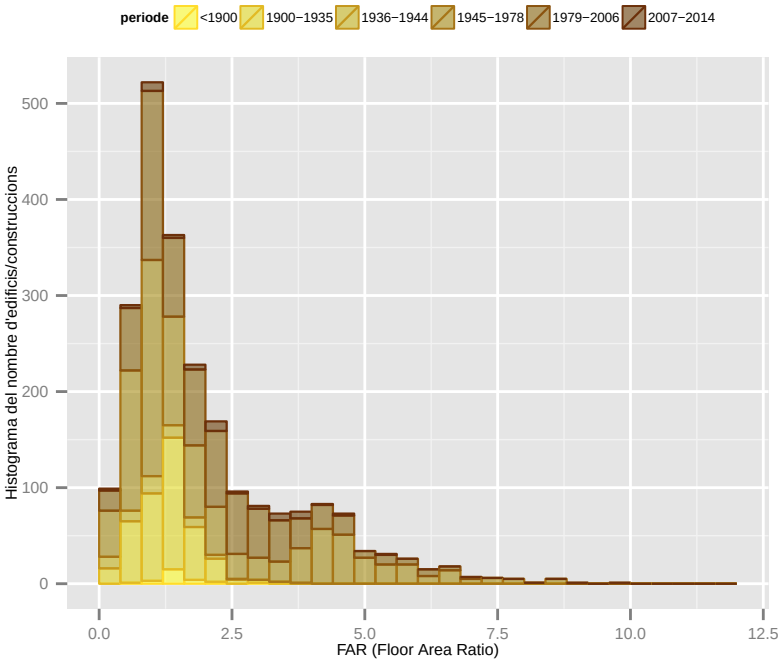


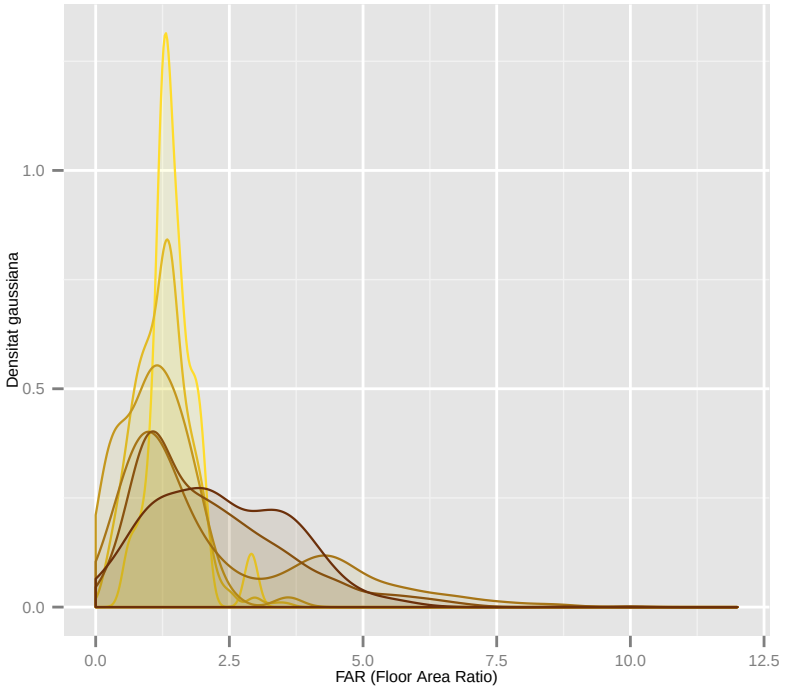
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

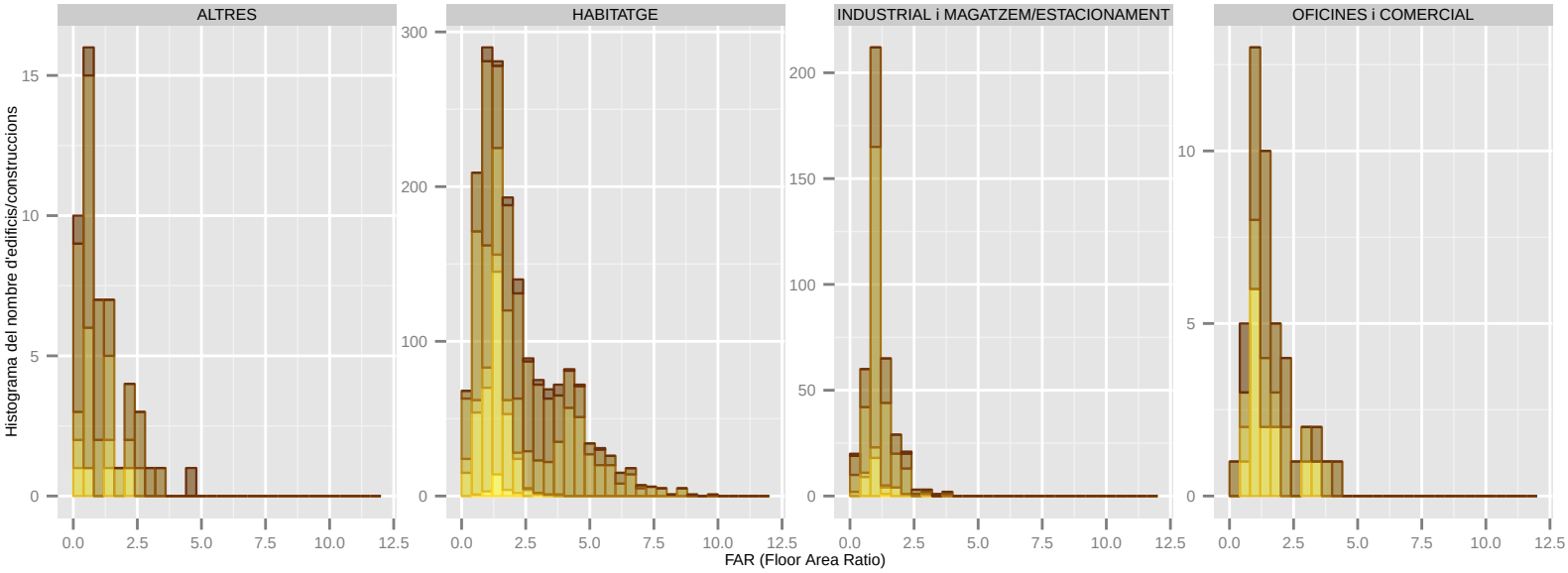
FAR (Floor Area Ratio): RIPOLLET





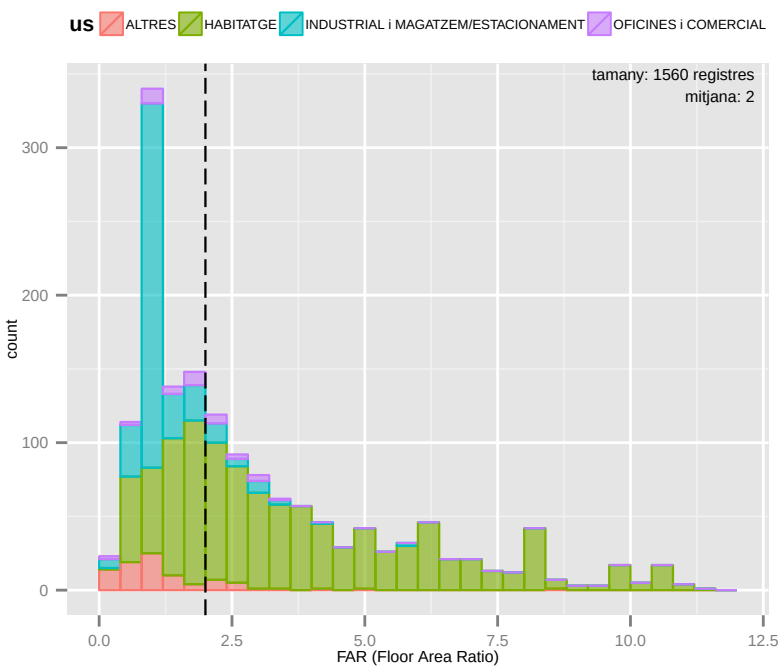


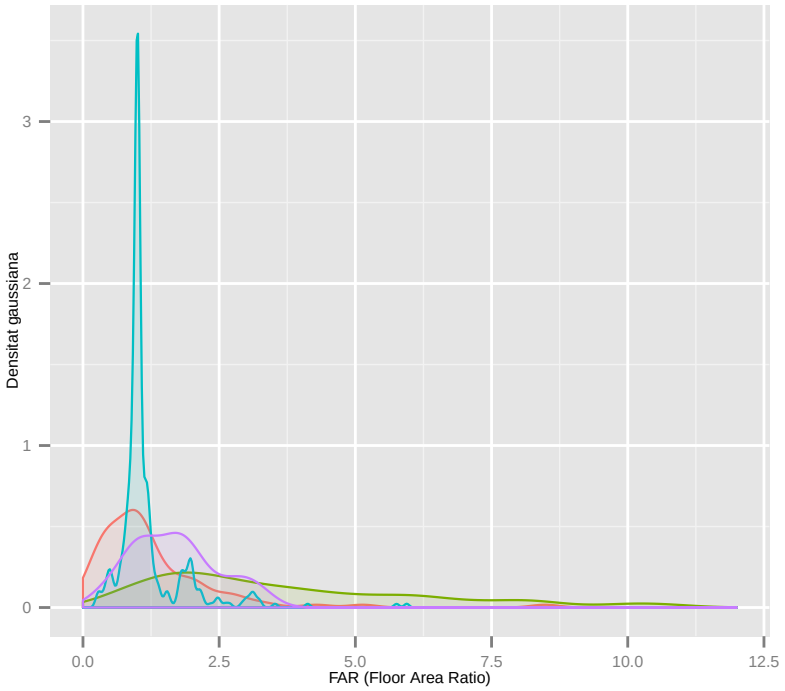


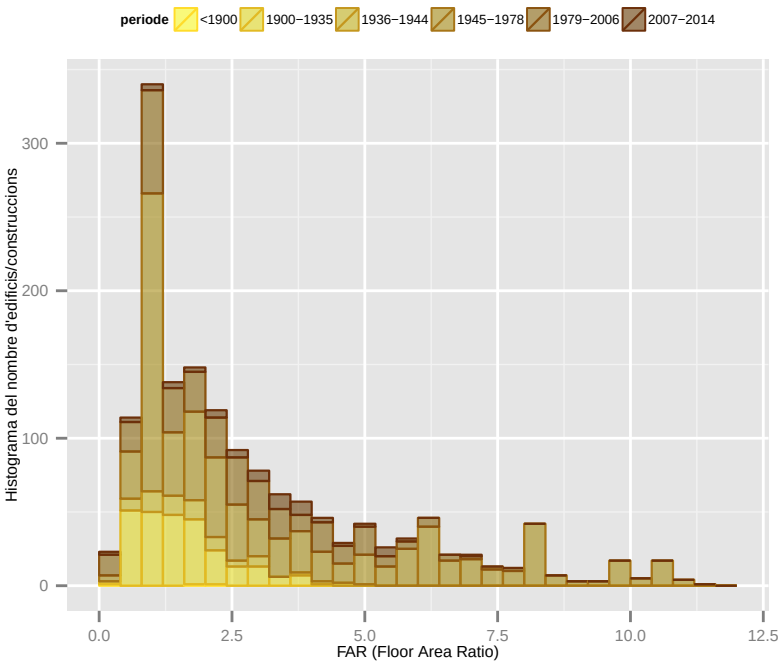


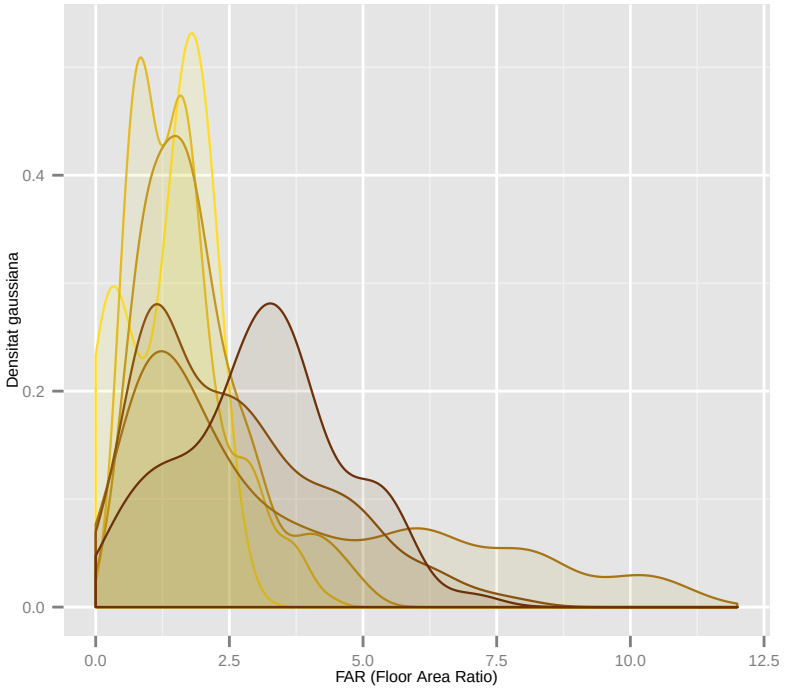
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

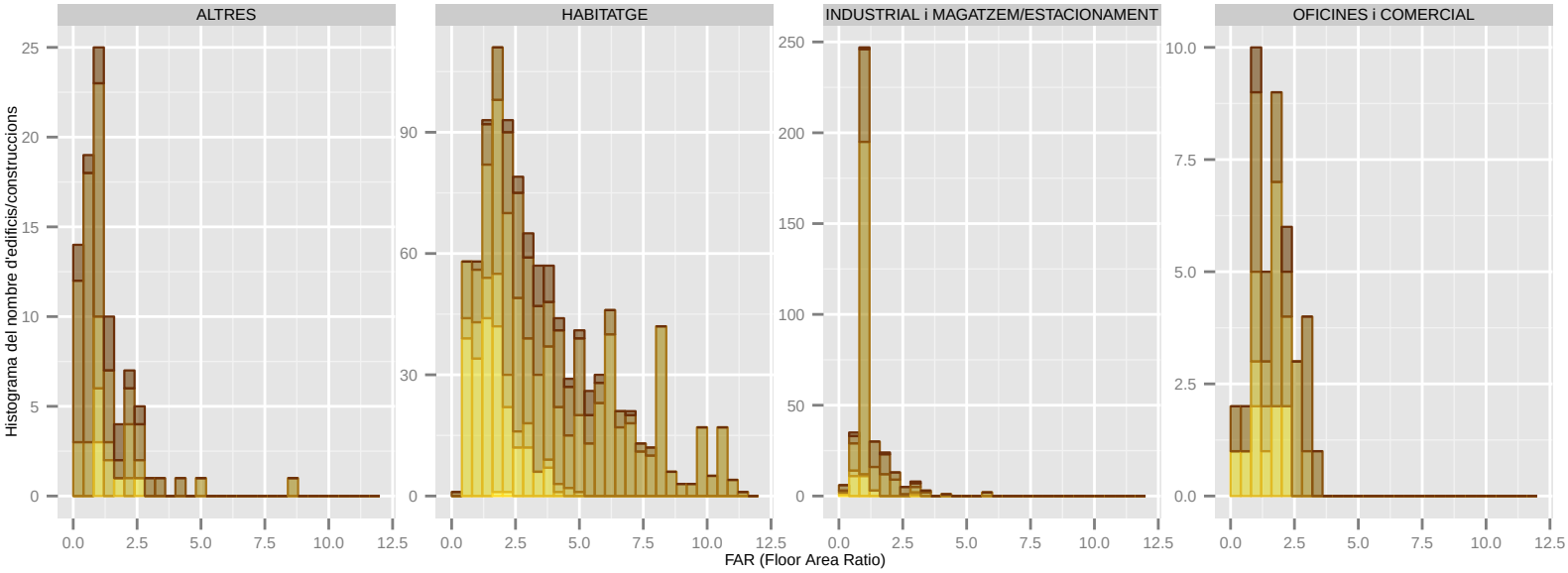
FAR (Floor Area Ratio): SANT ADRIA DE BESOS





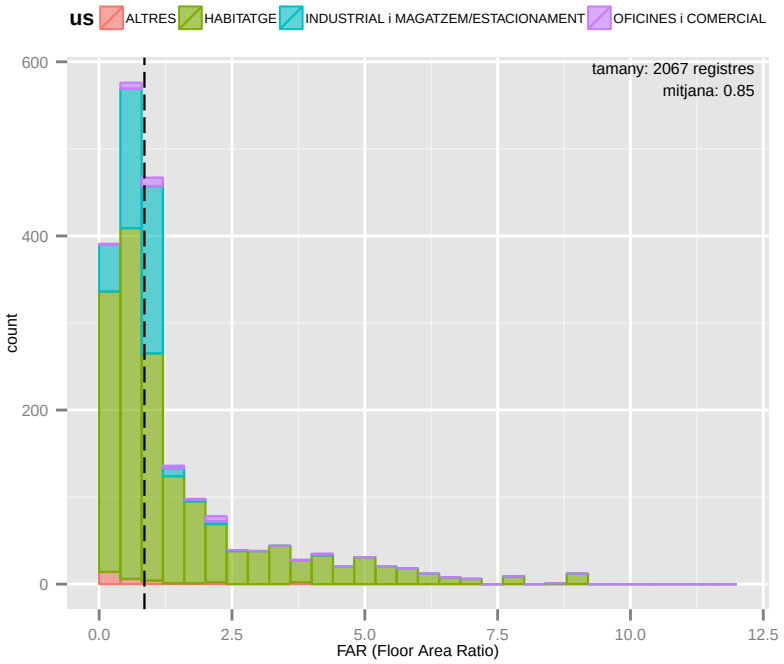


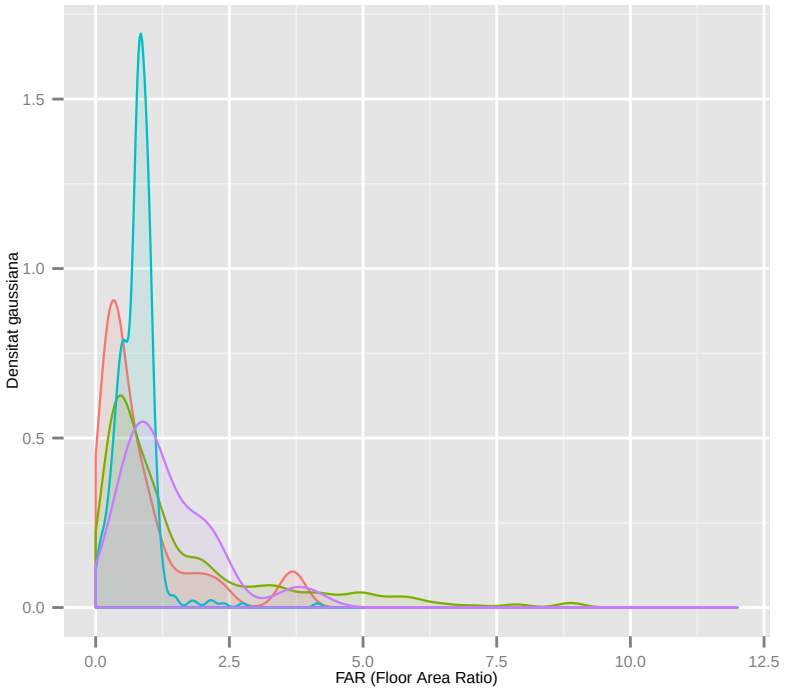


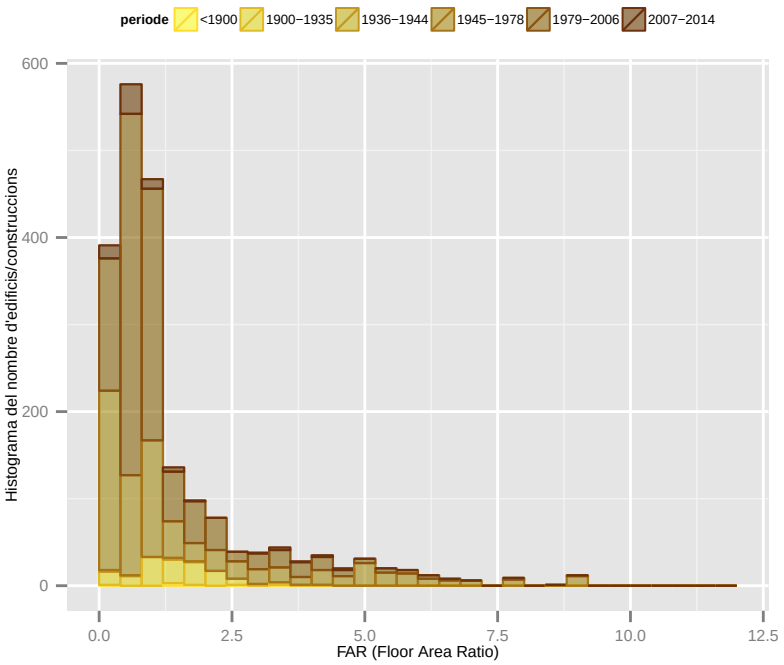


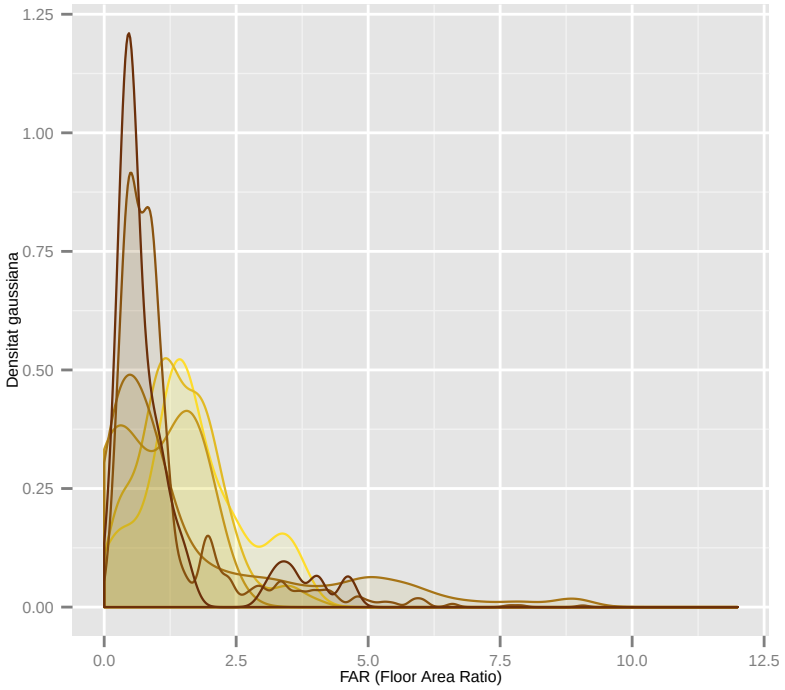
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

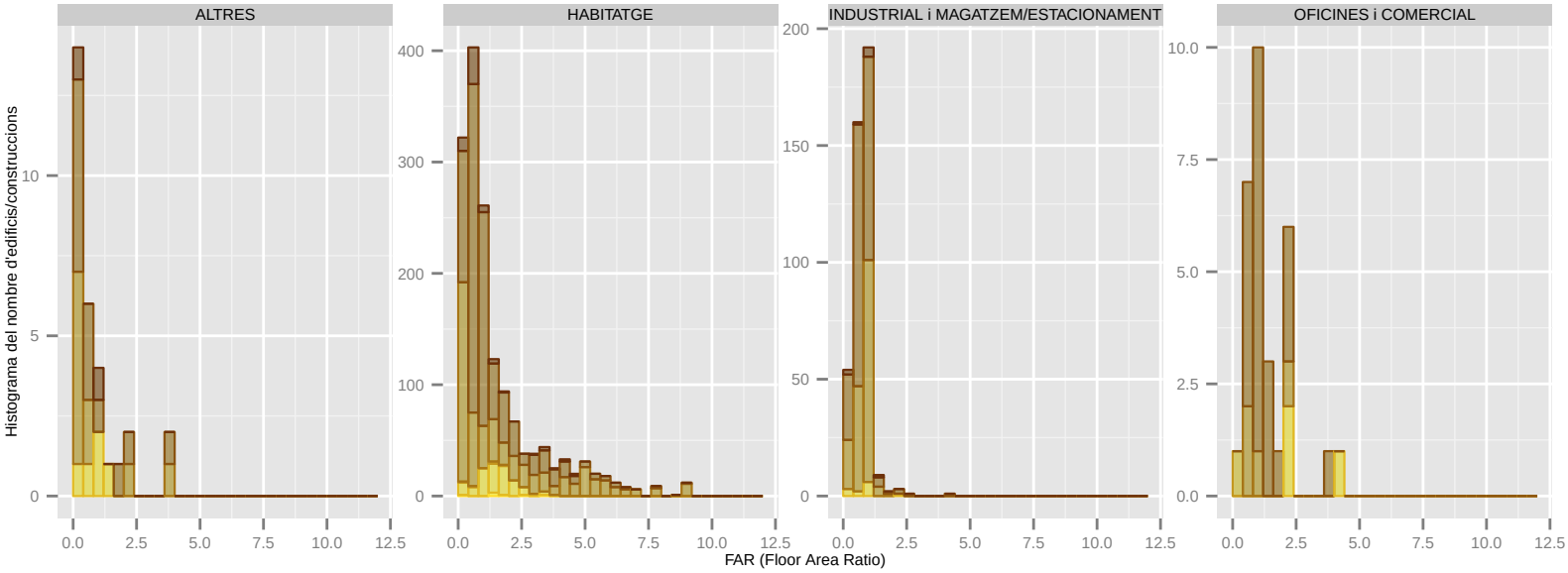
FAR (Floor Area Ratio): SANT ANDREU DE LA BARCA





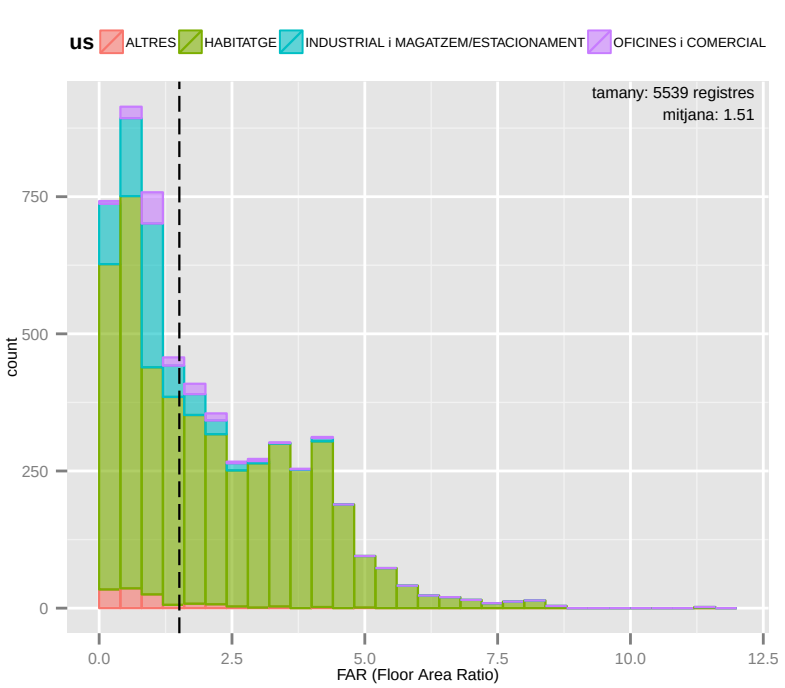


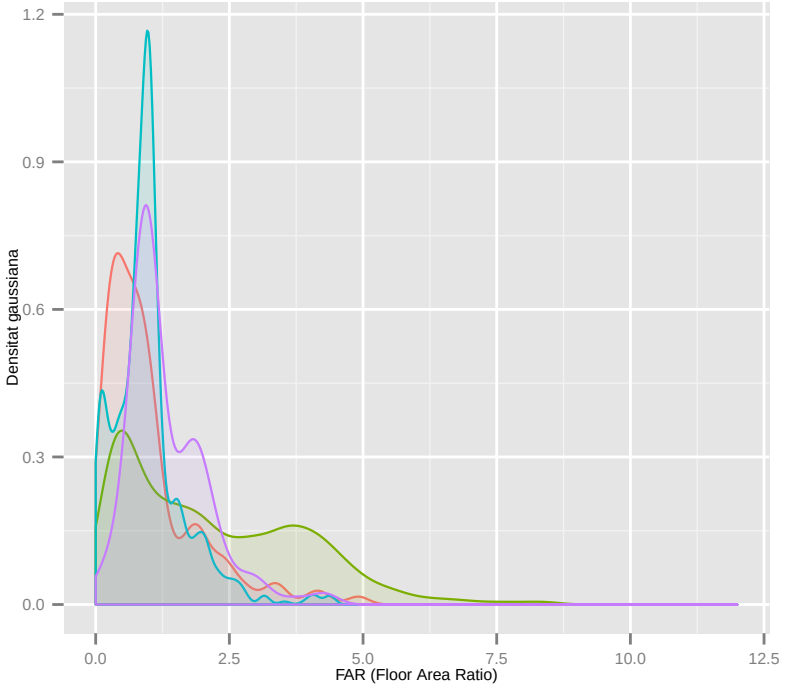


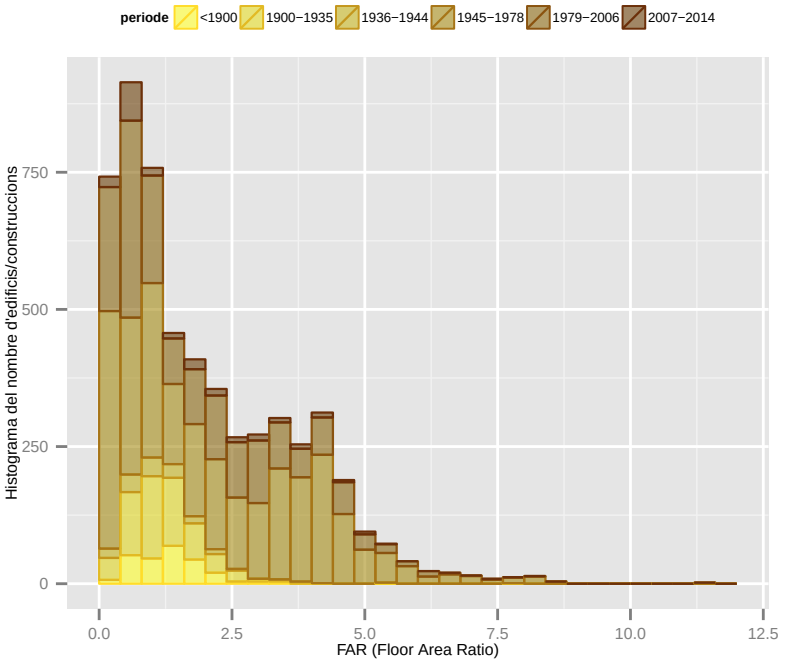


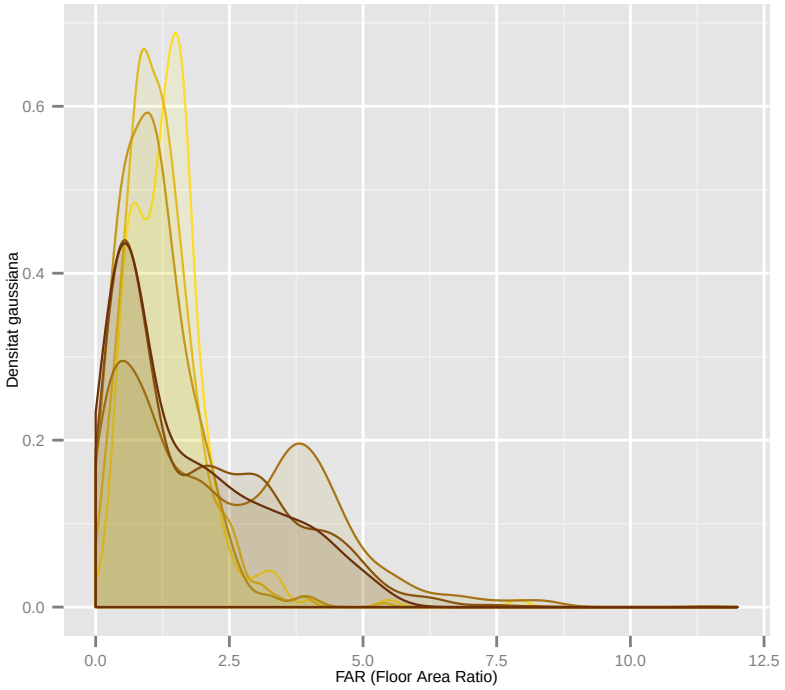
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

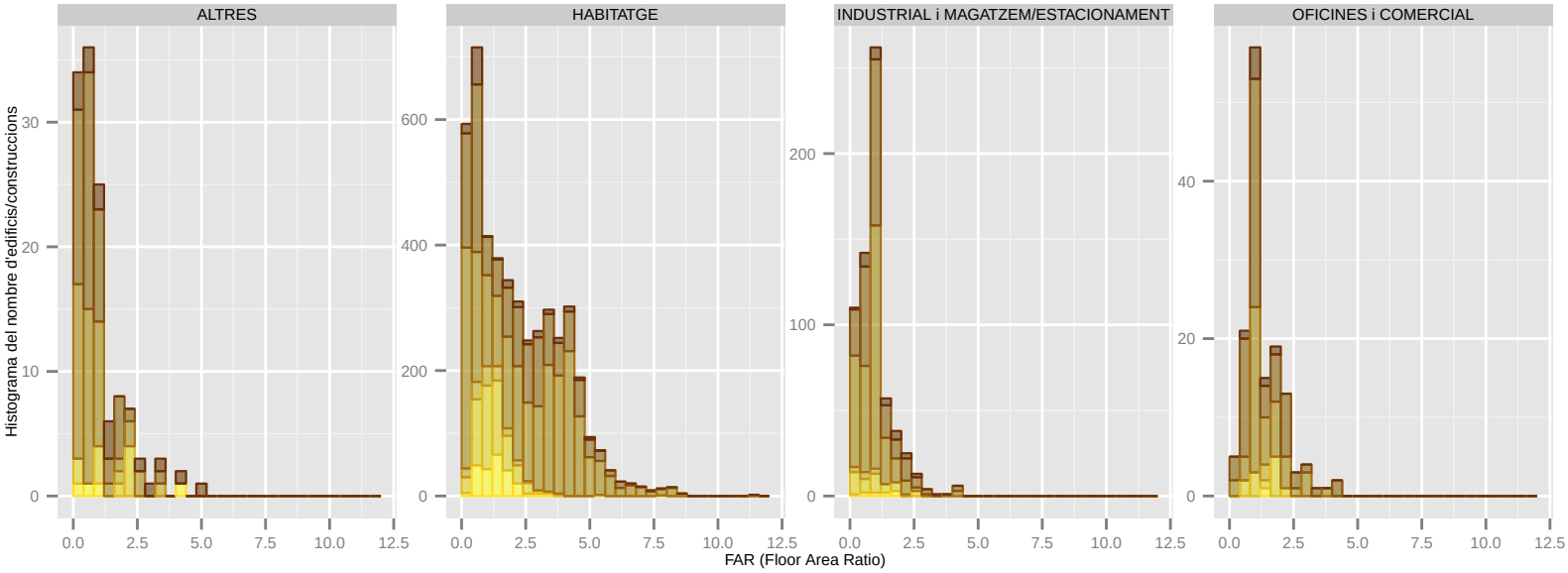
FAR (Floor Area Ratio): SANT BOI DE LLOBREGAT





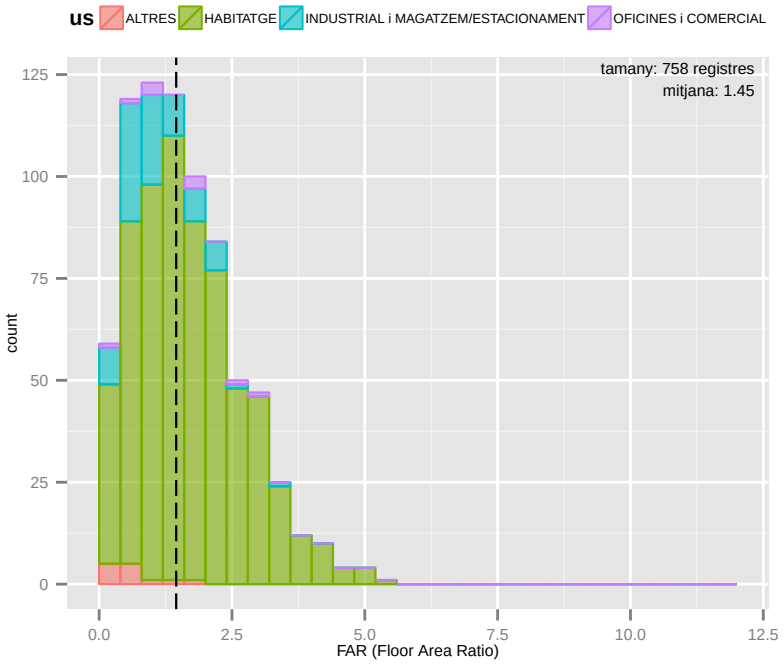


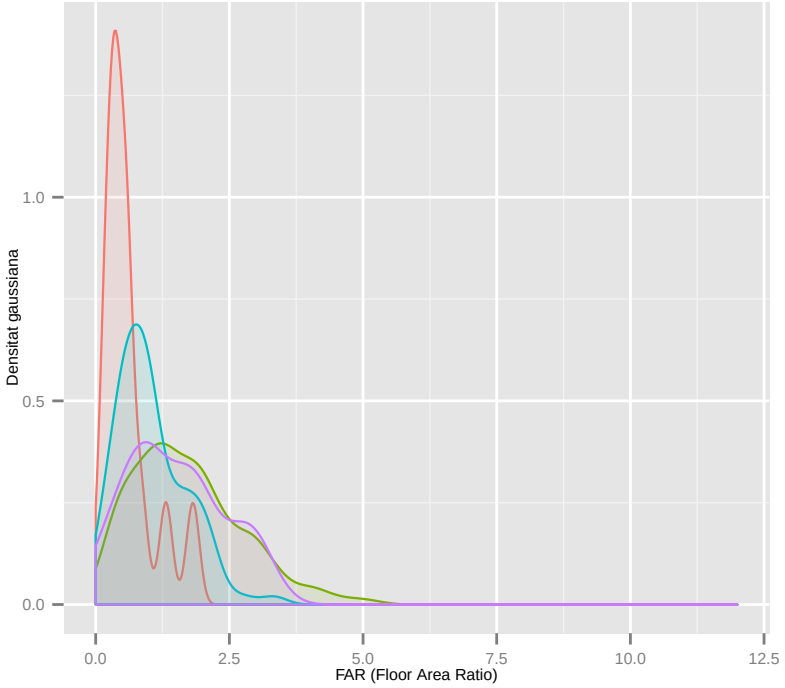


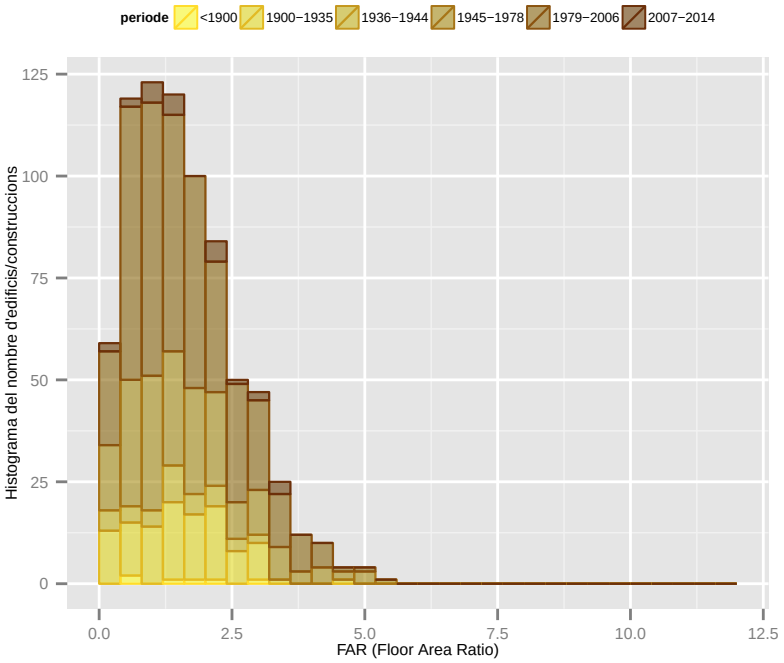


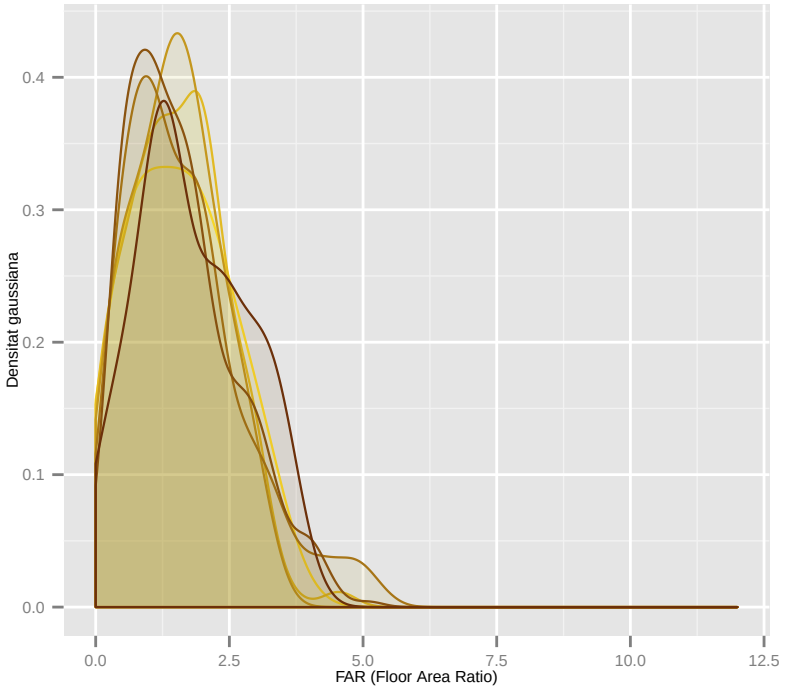
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

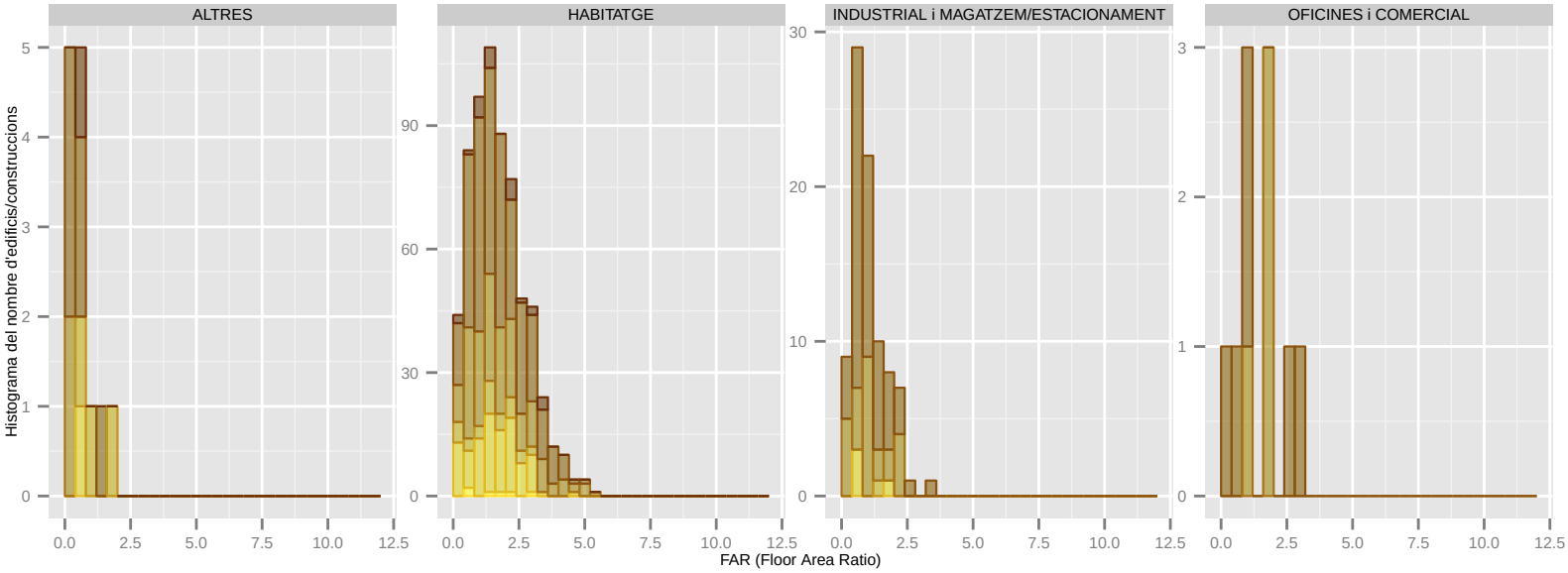
FAR (Floor Area Ratio): SANT CLIMENT DE LLOBREGAT





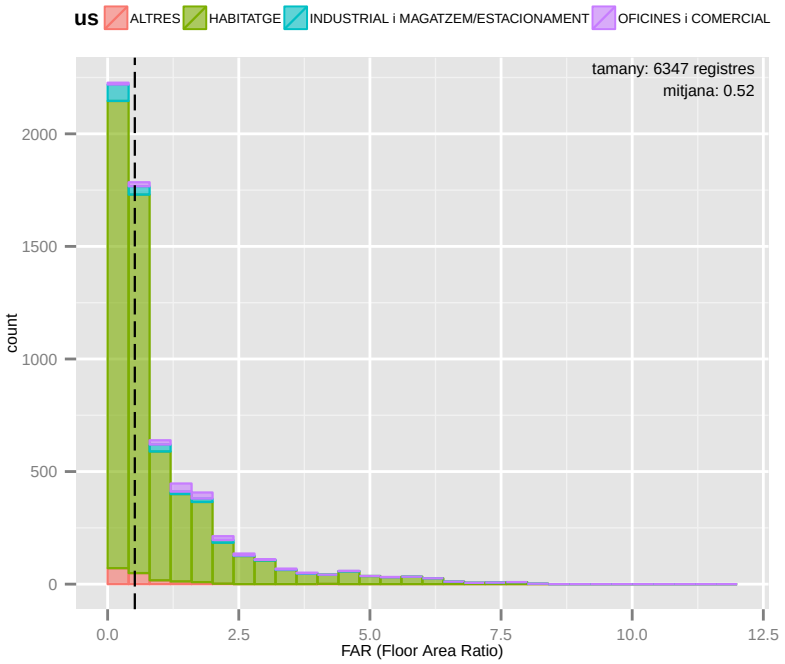


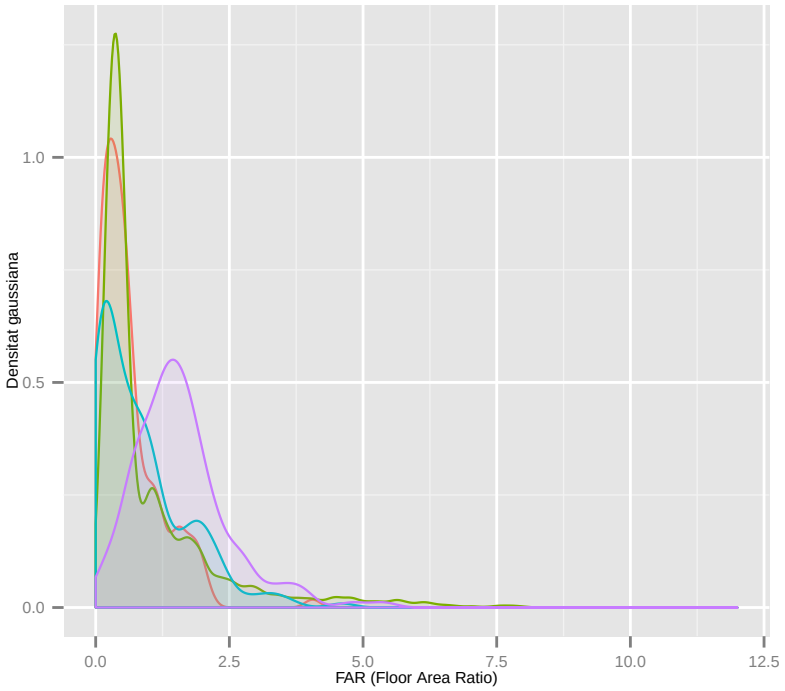


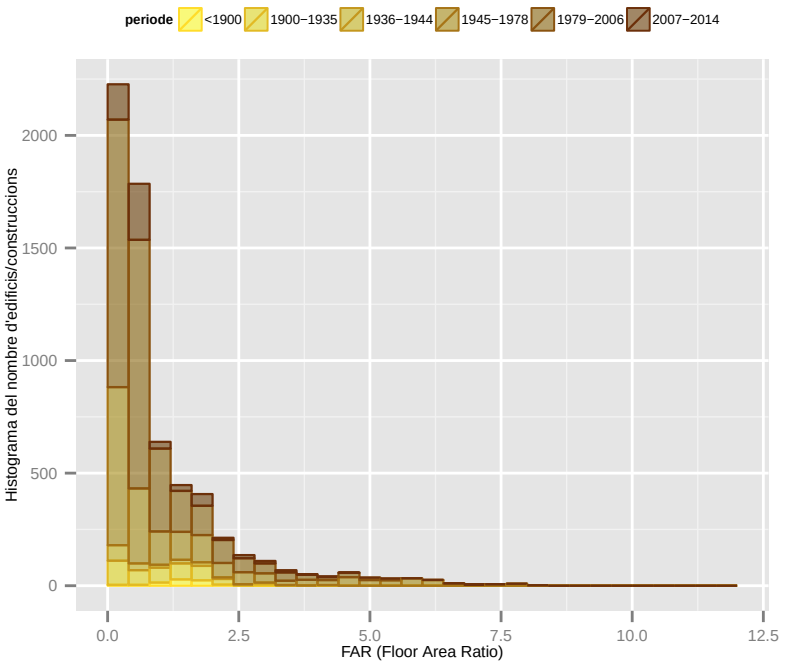


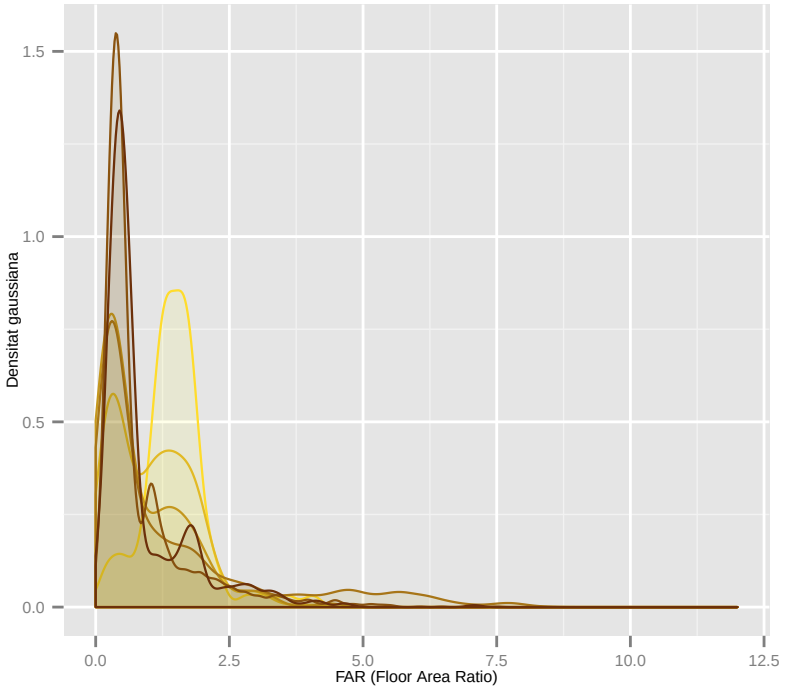
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

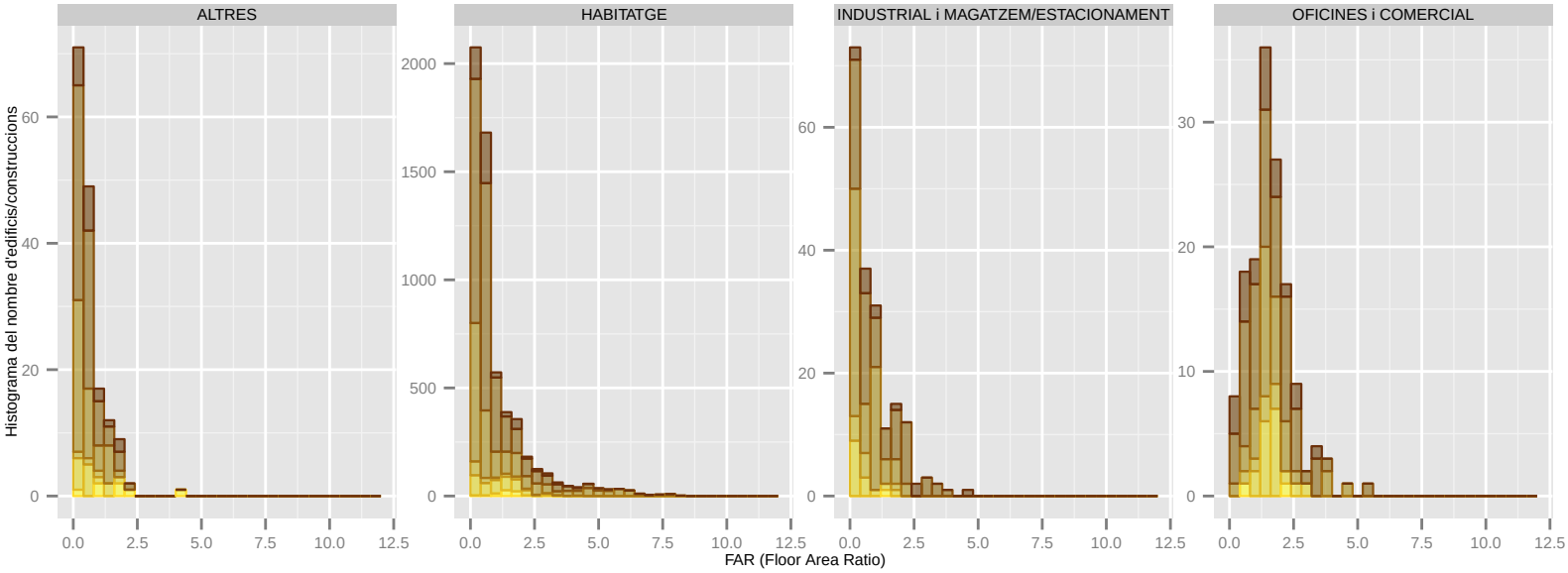
FAR (Floor Area Ratio): SANT CUGAT DEL VALLES











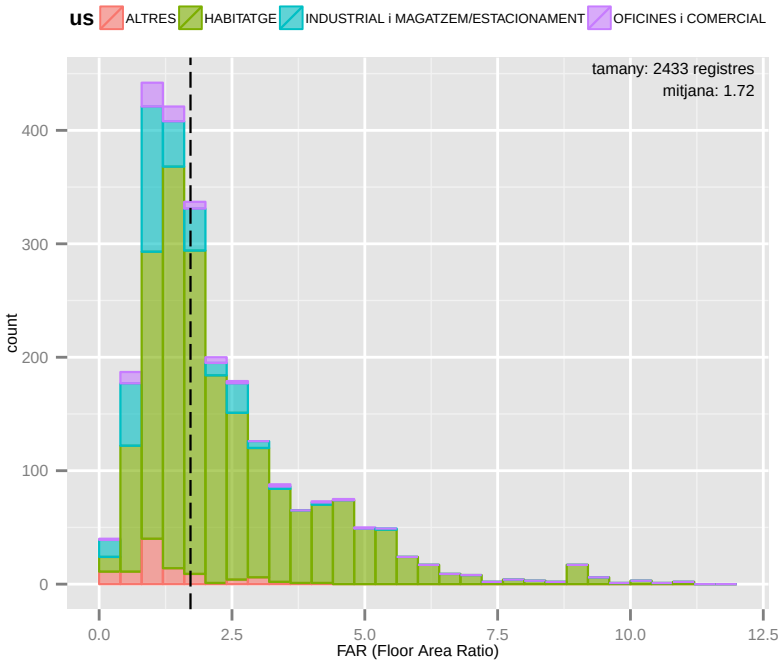
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

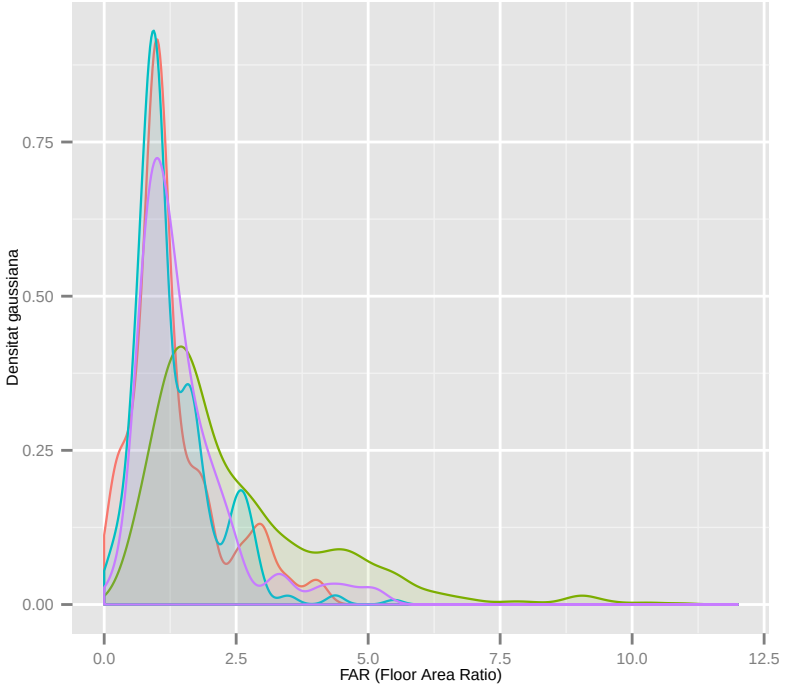
BARCELONA REGIONAL

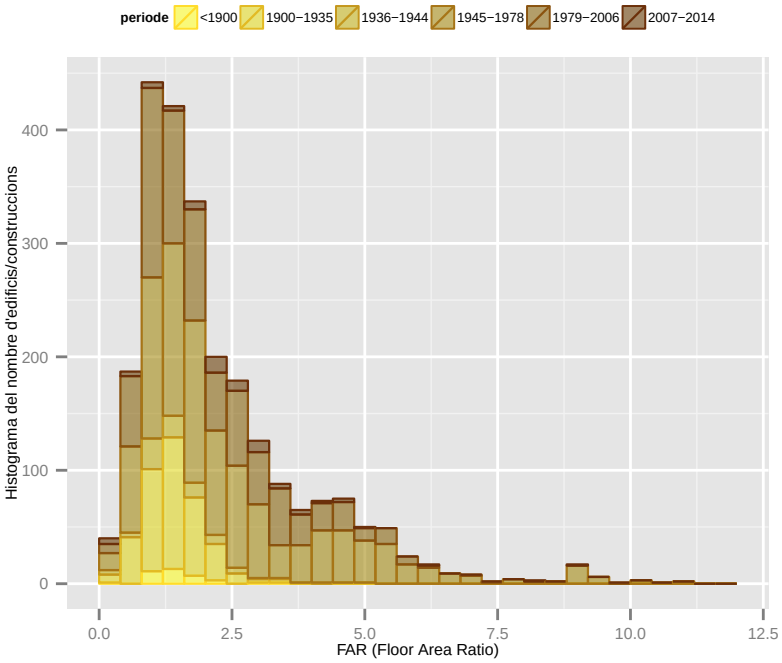
AMB Àrea Metropolitana de Barcelona

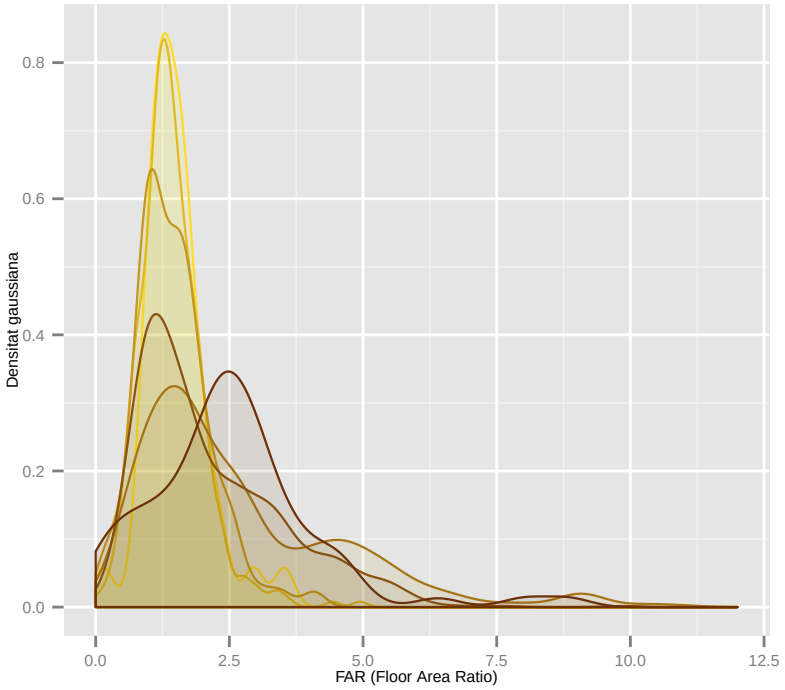
PSAMB

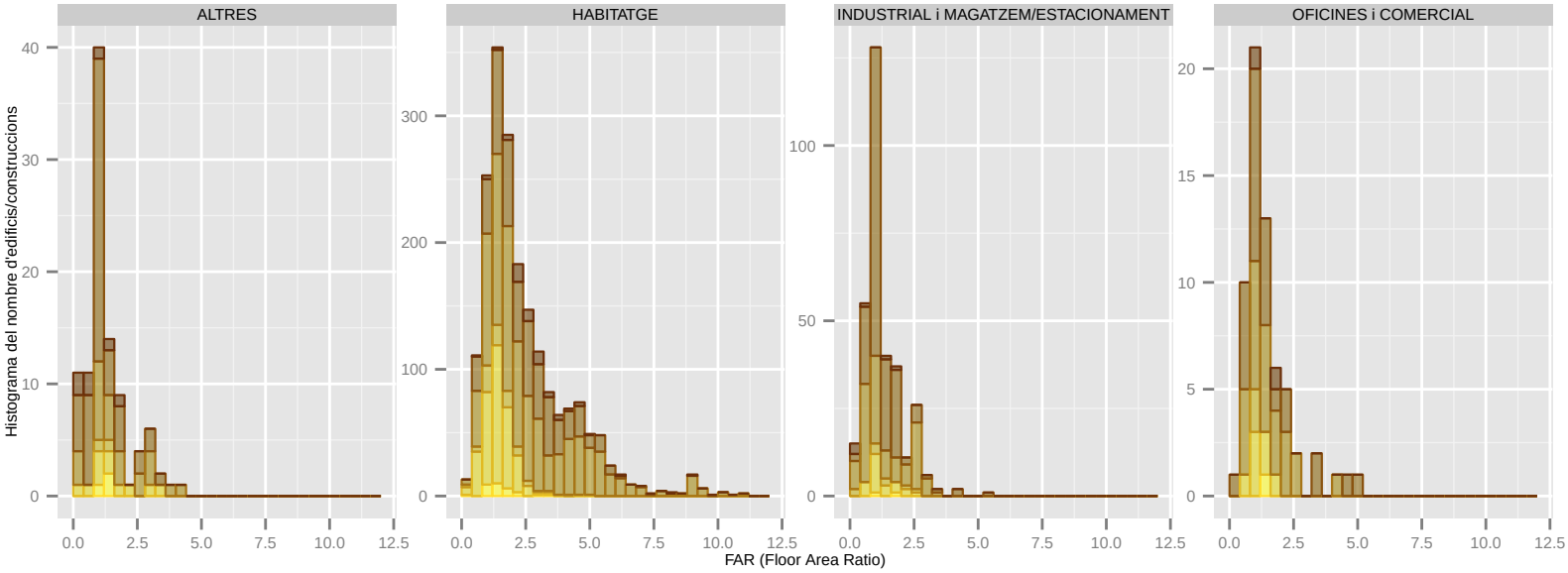
FAR (Floor Area Ratio): SANT FELIU DE LLOBREGAT





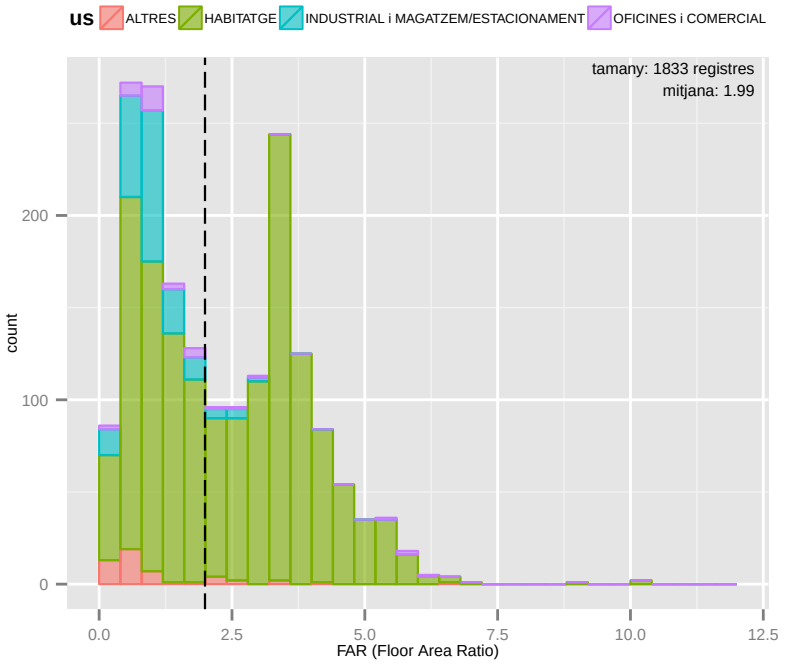


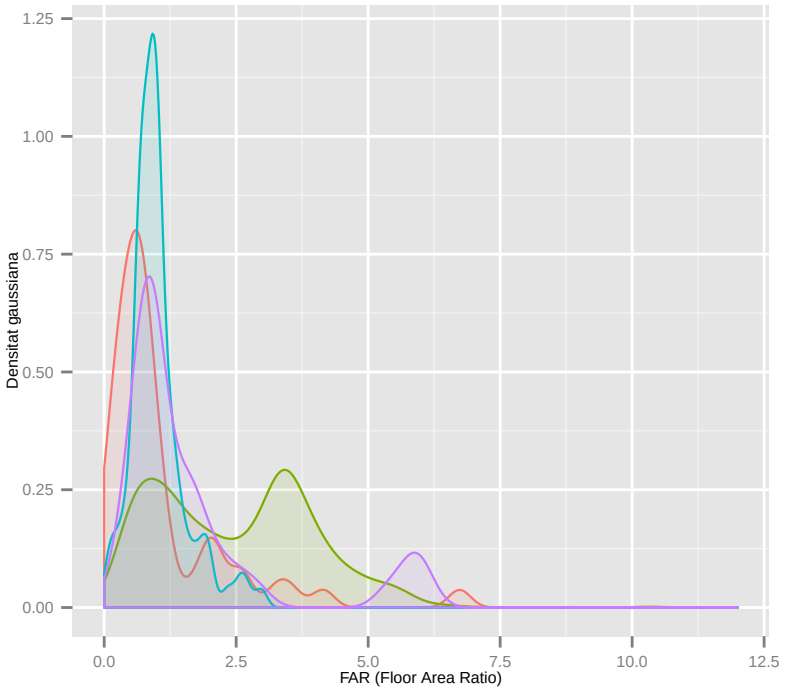


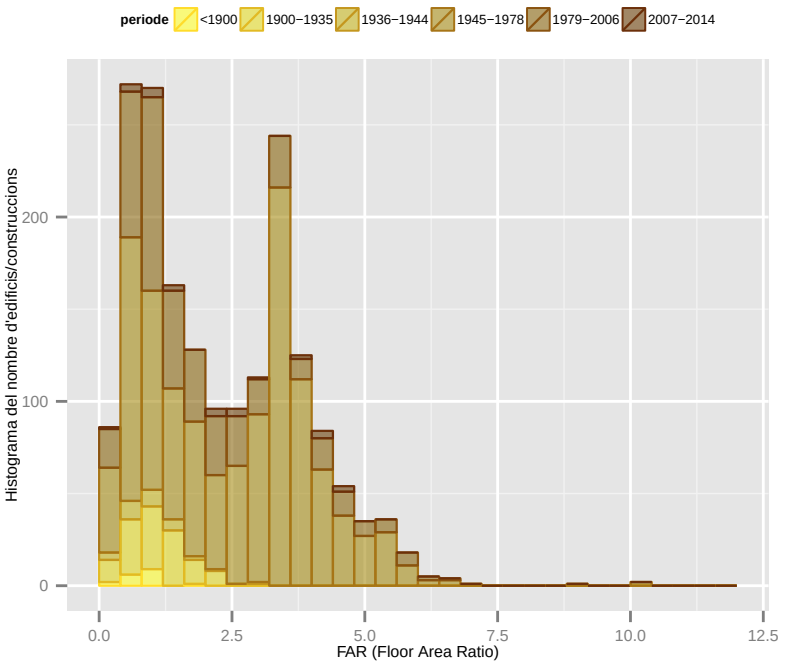


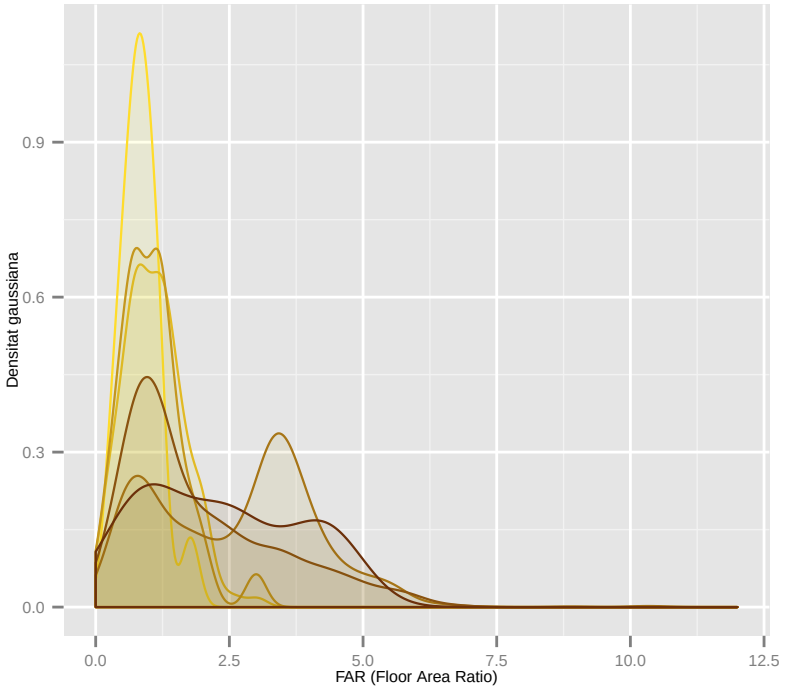
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

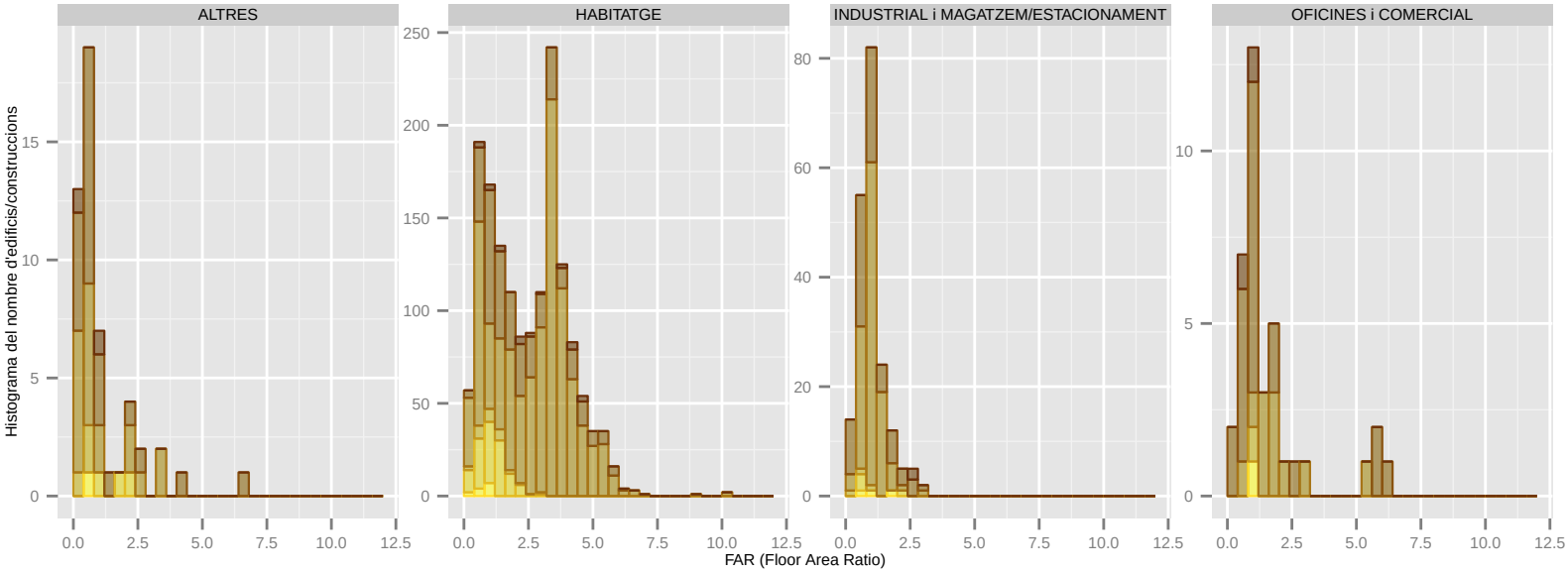
FAR (Floor Area Ratio): SANT JOAN DESPI





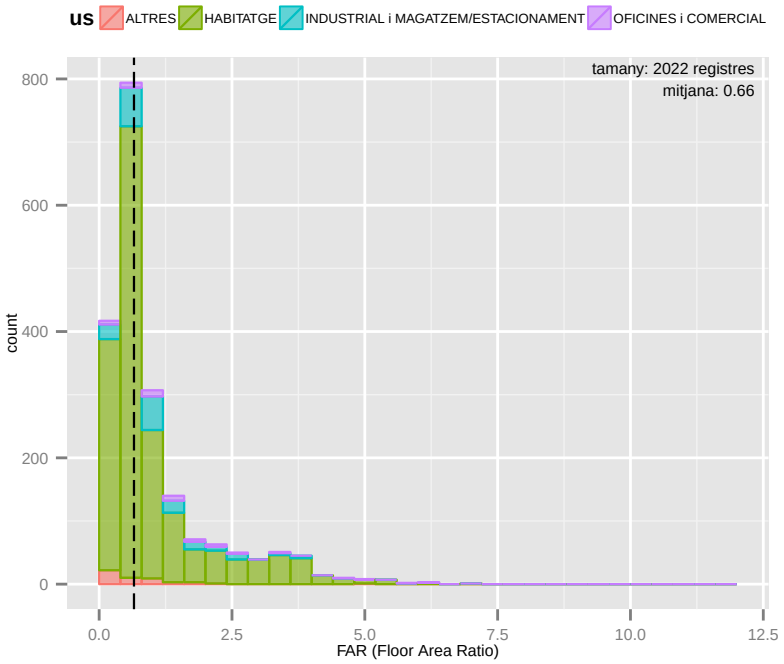


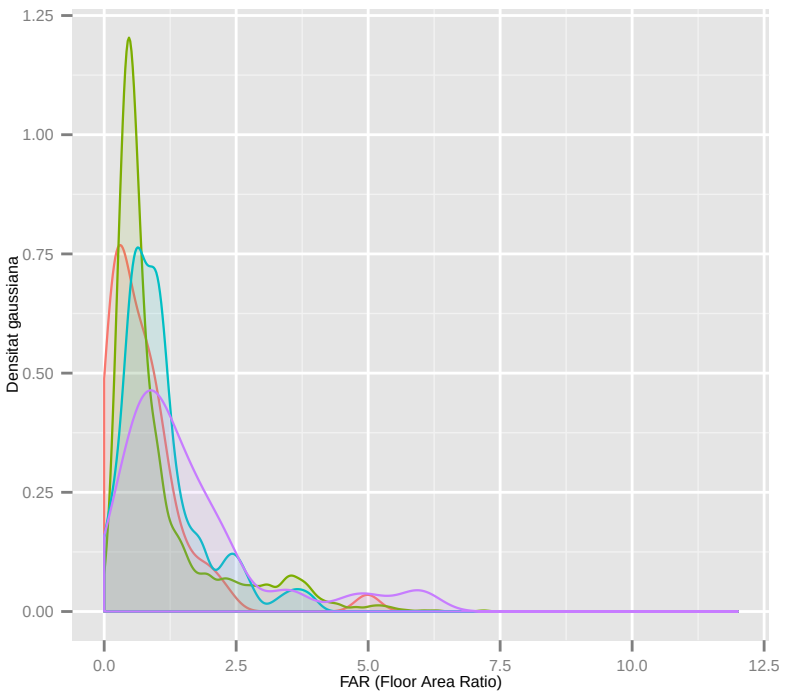


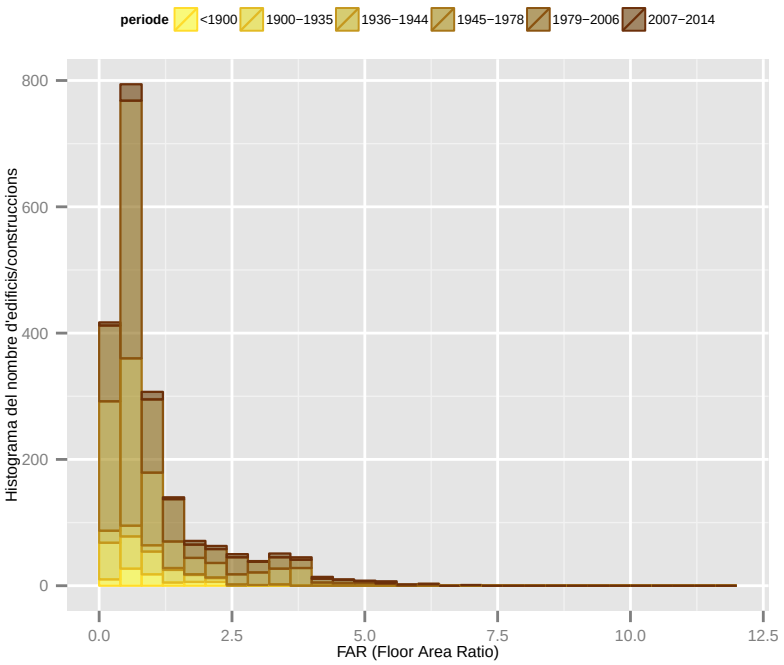


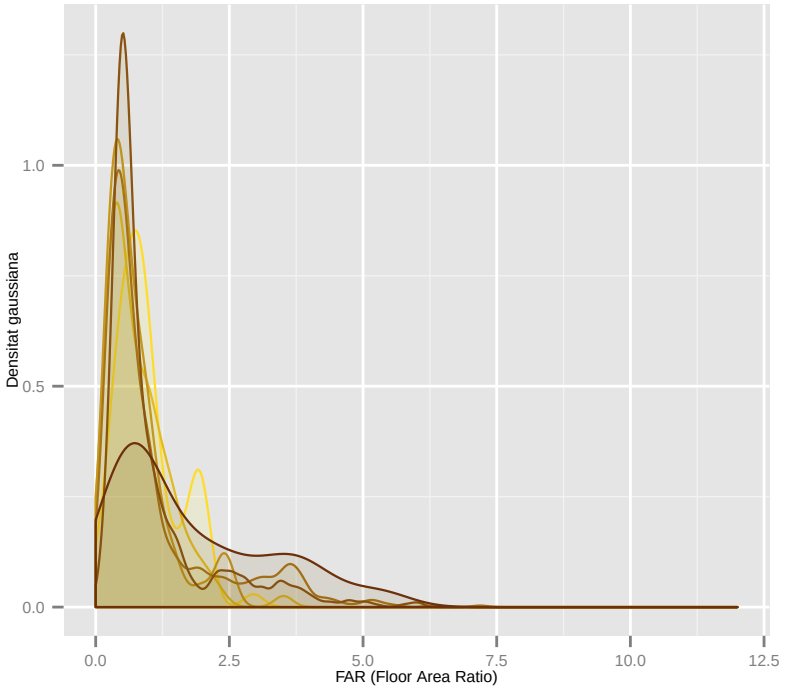
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

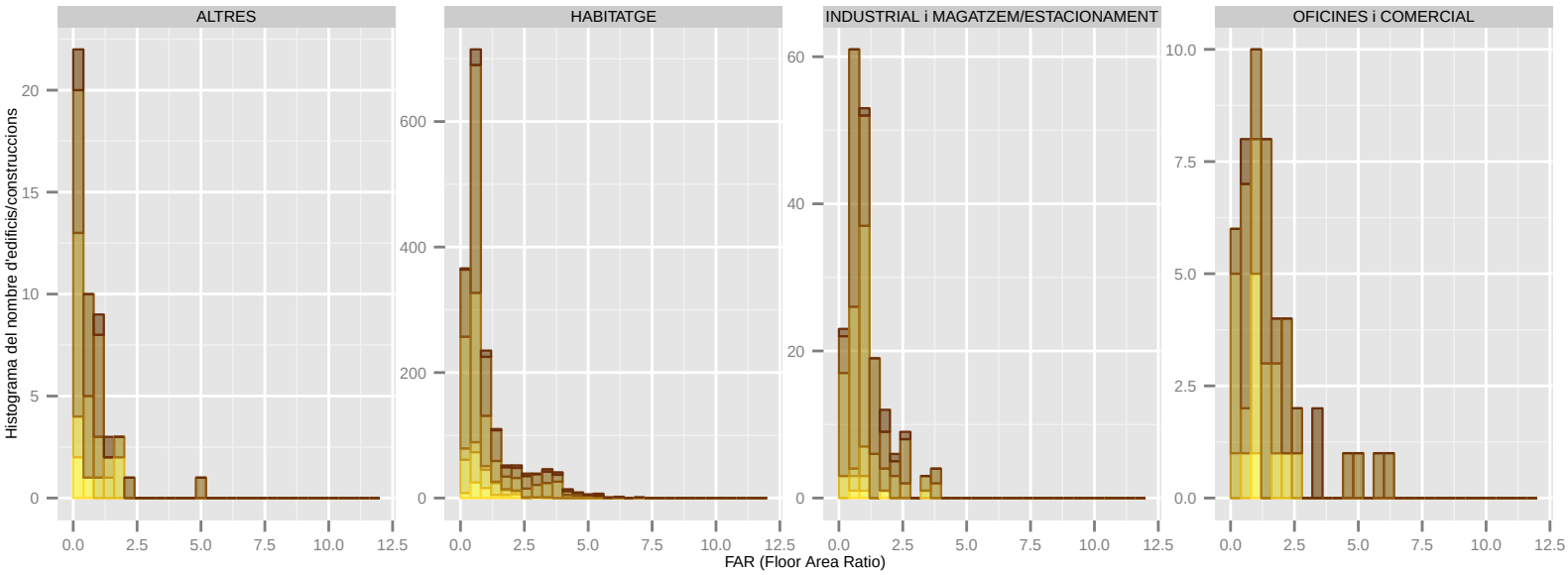
FAR (Floor Area Ratio): SANT JUST DESVERN





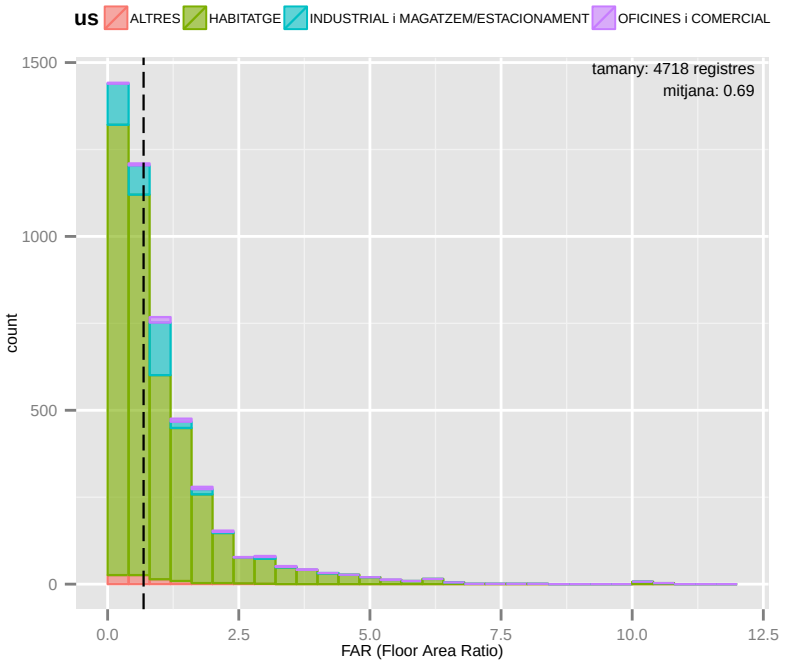


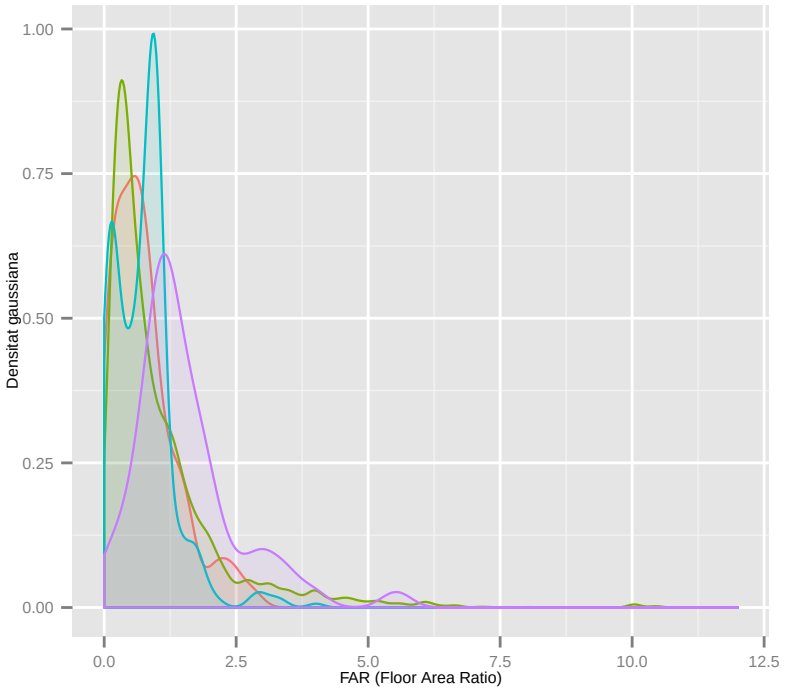


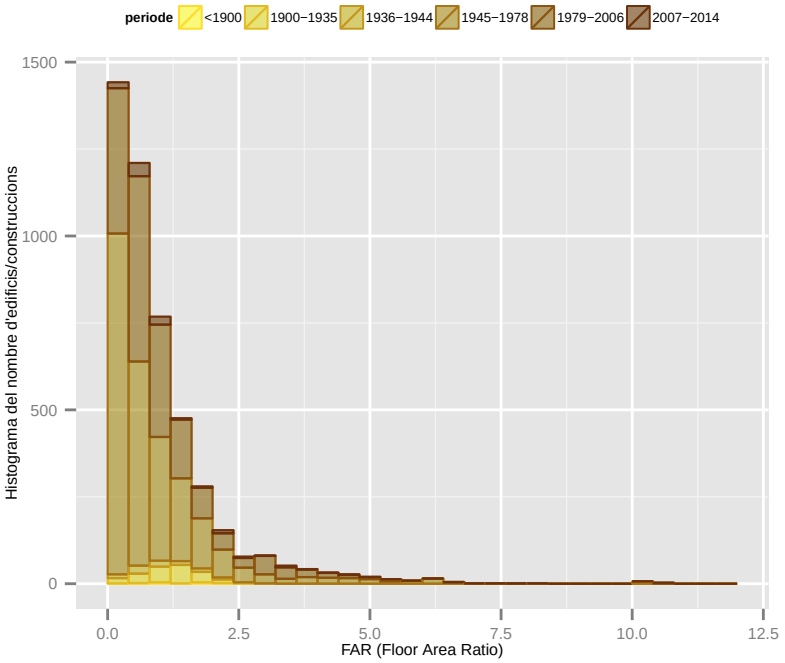


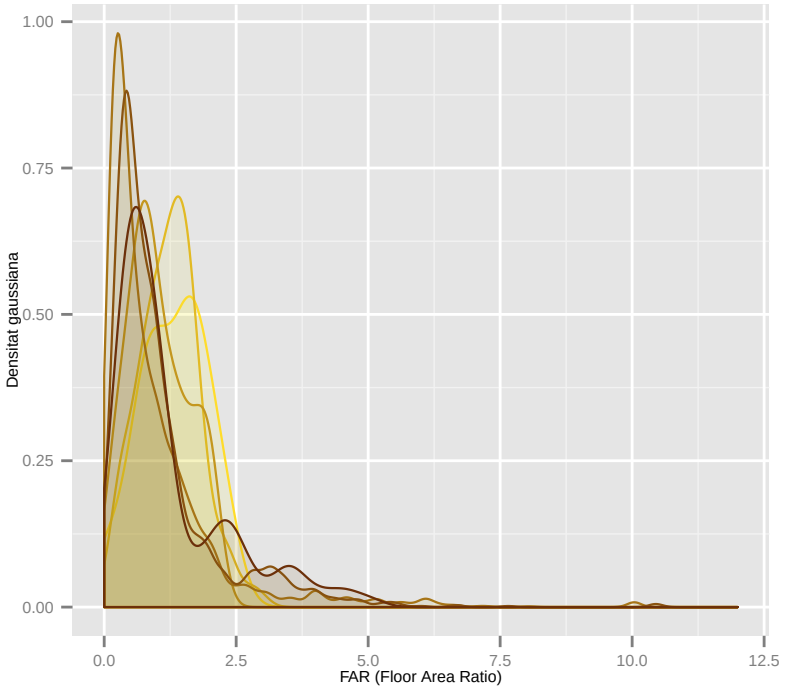
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

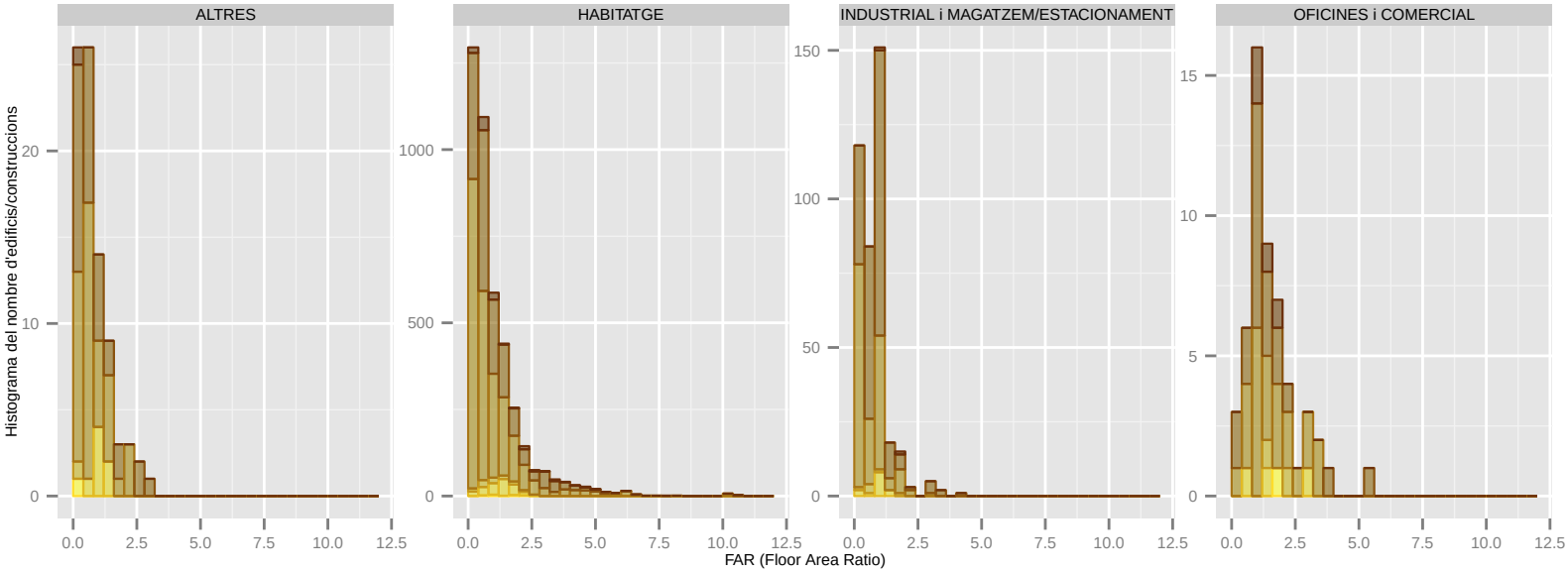
FAR (Floor Area Ratio): SANT VICENÃ‡ DELS HORTS





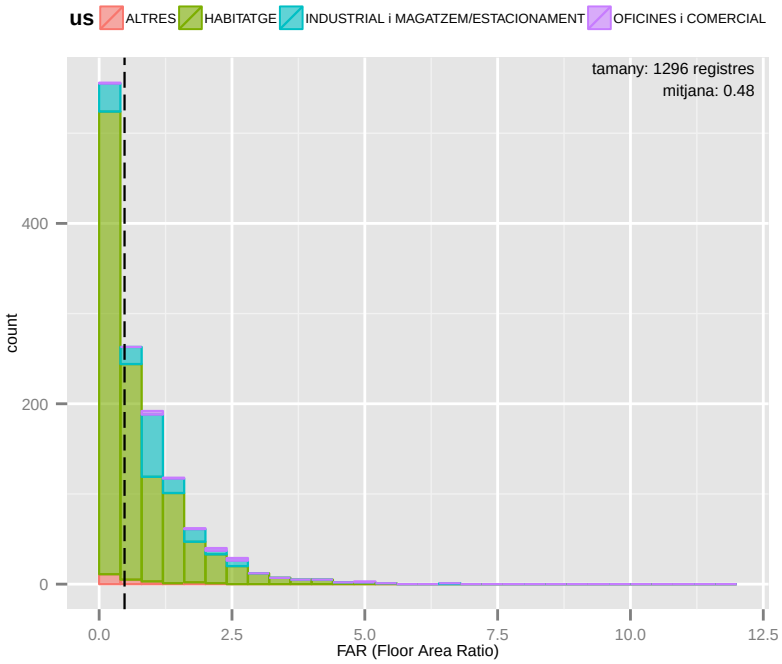


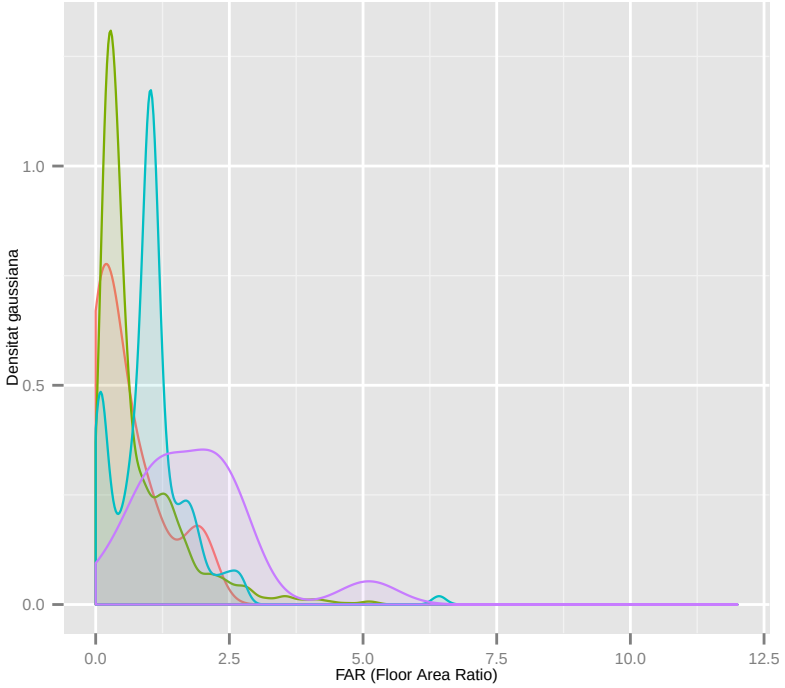


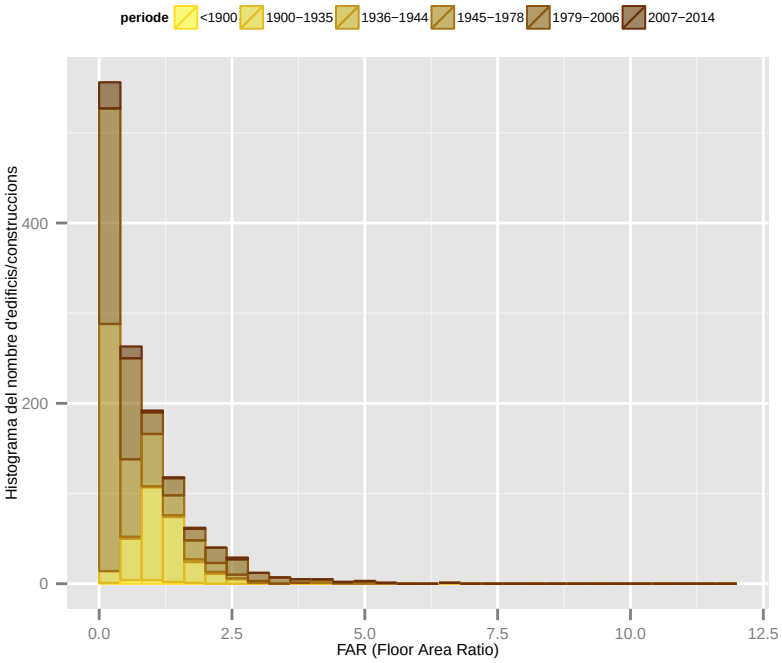


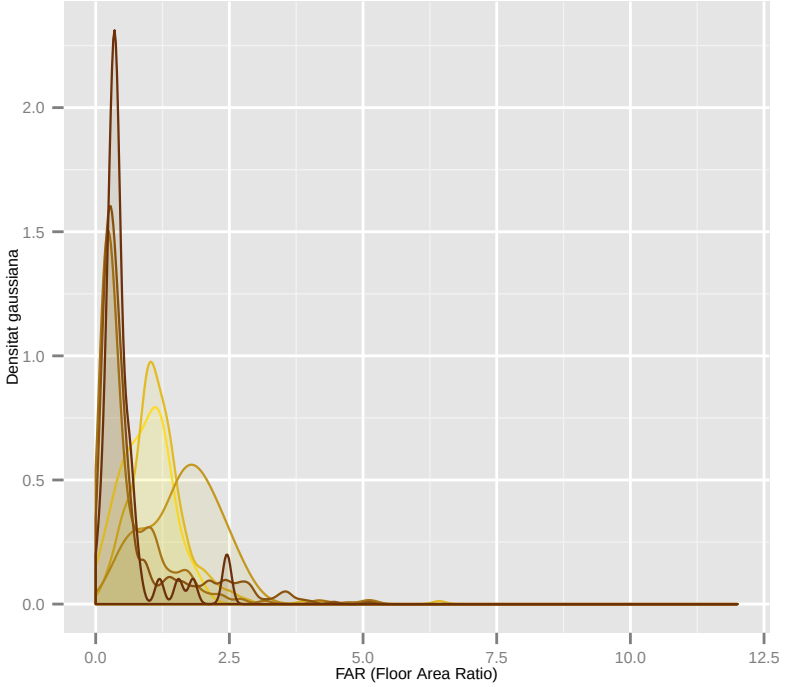
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

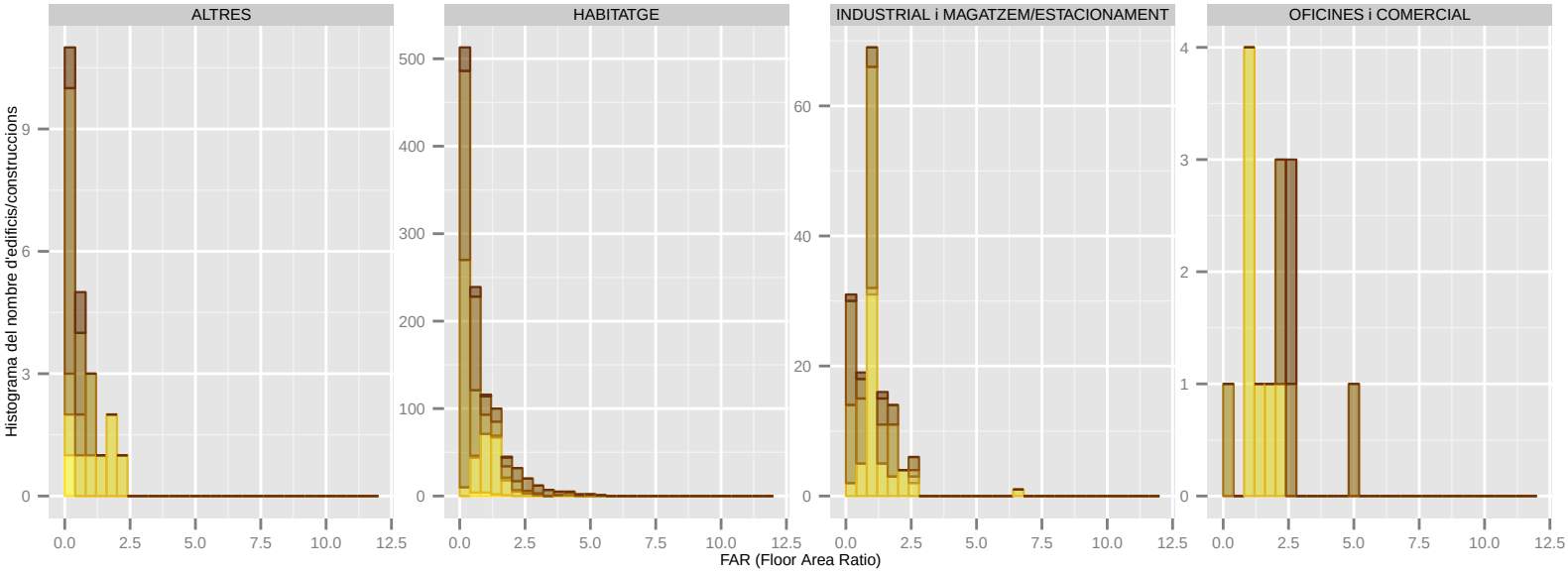
FAR (Floor Area Ratio): SANTA COLOMA DE CERVELLO





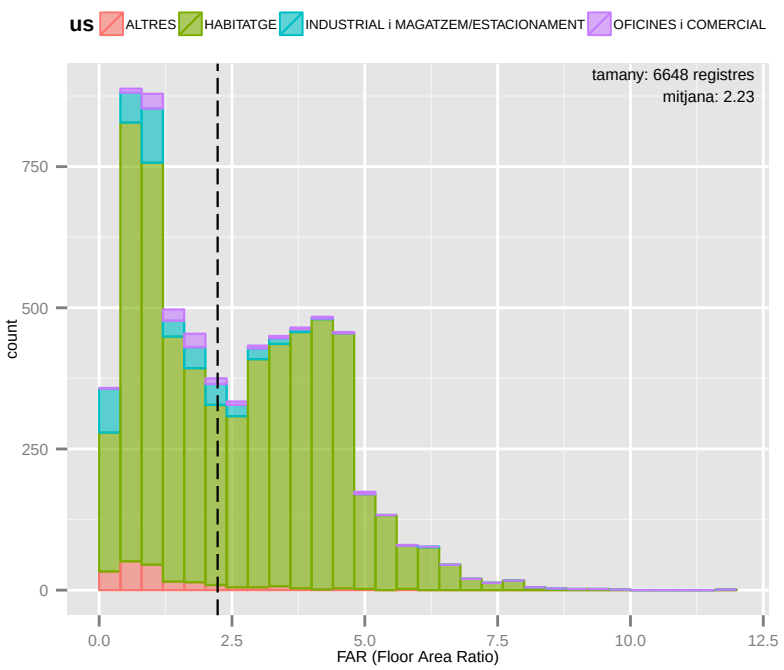


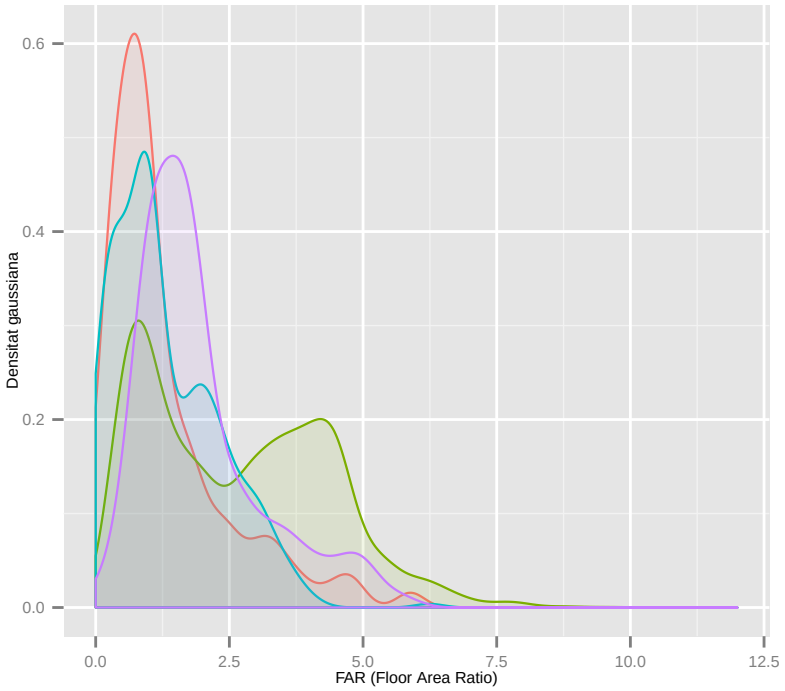


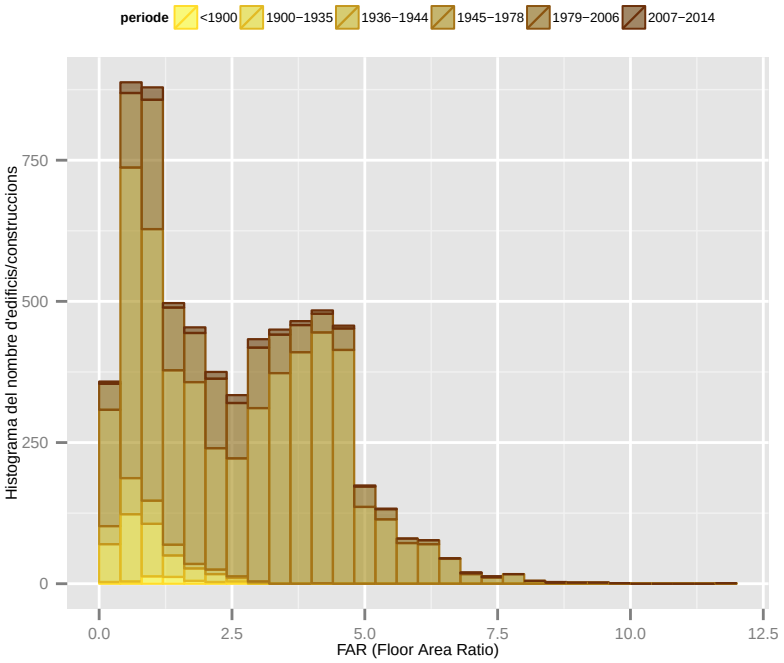


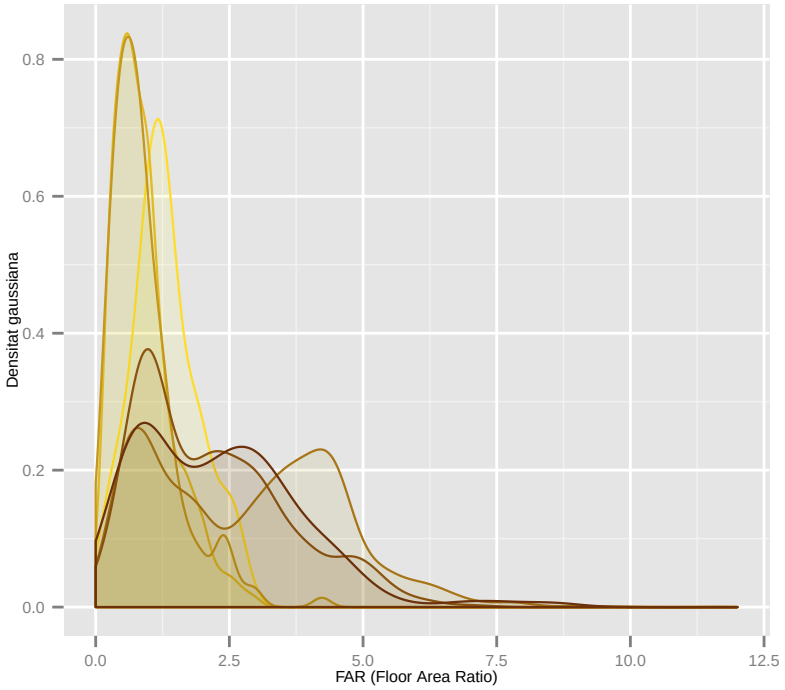
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

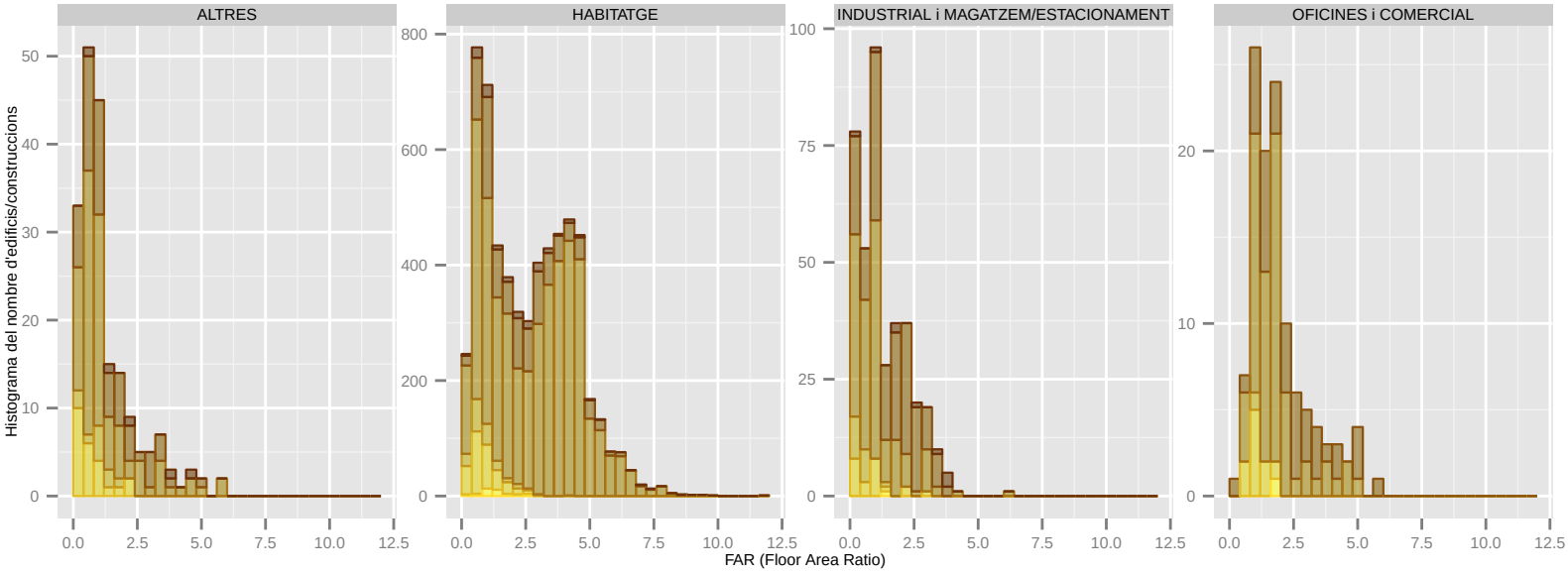
FAR (Floor Area Ratio): SANTA COLOMA DE GRAMENET





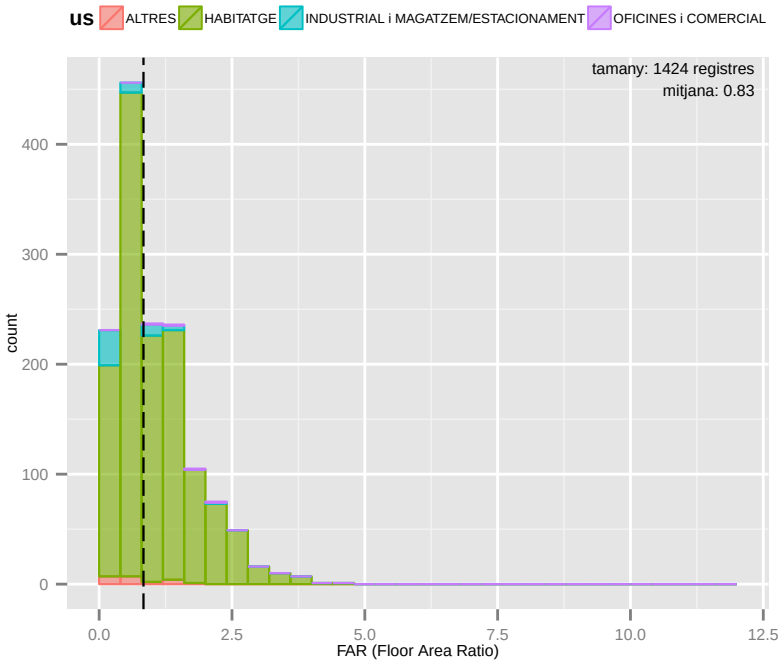


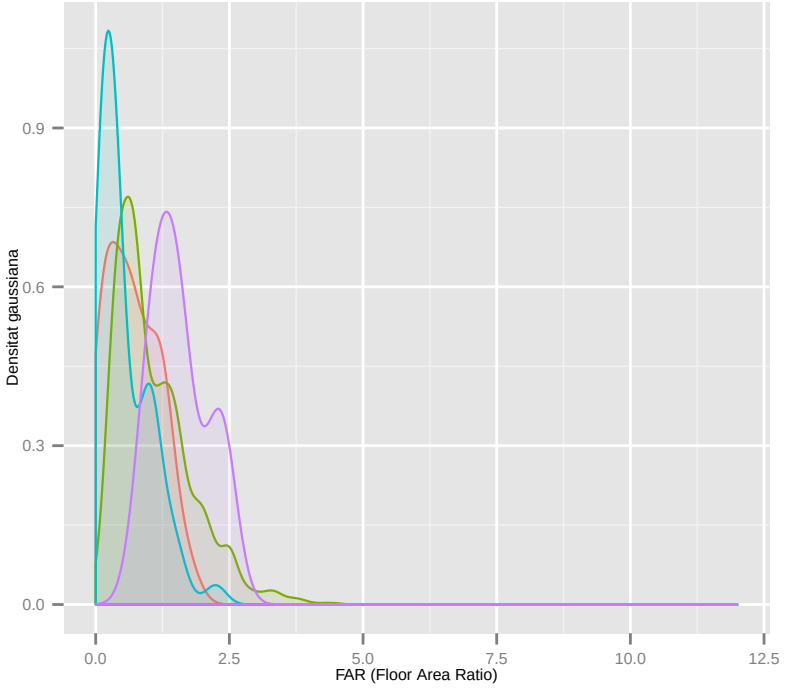


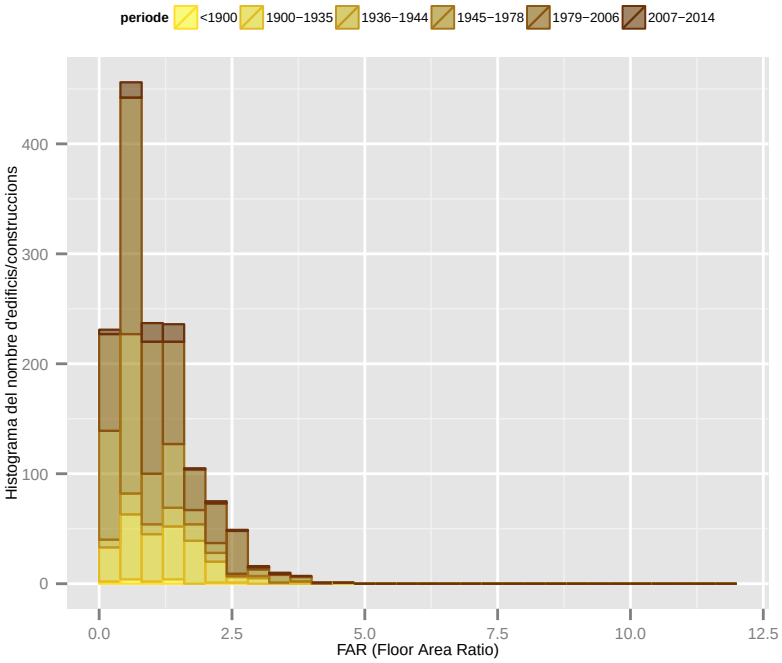


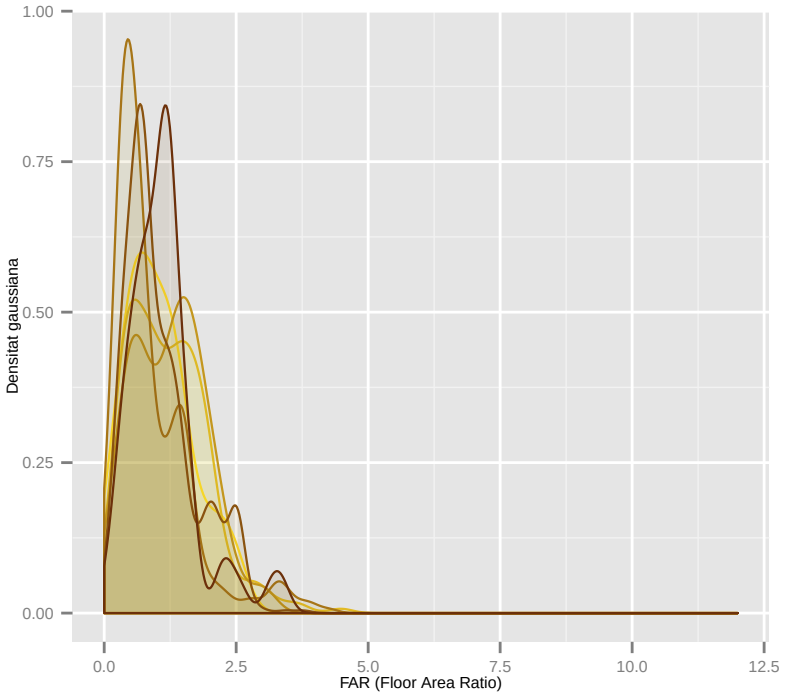
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

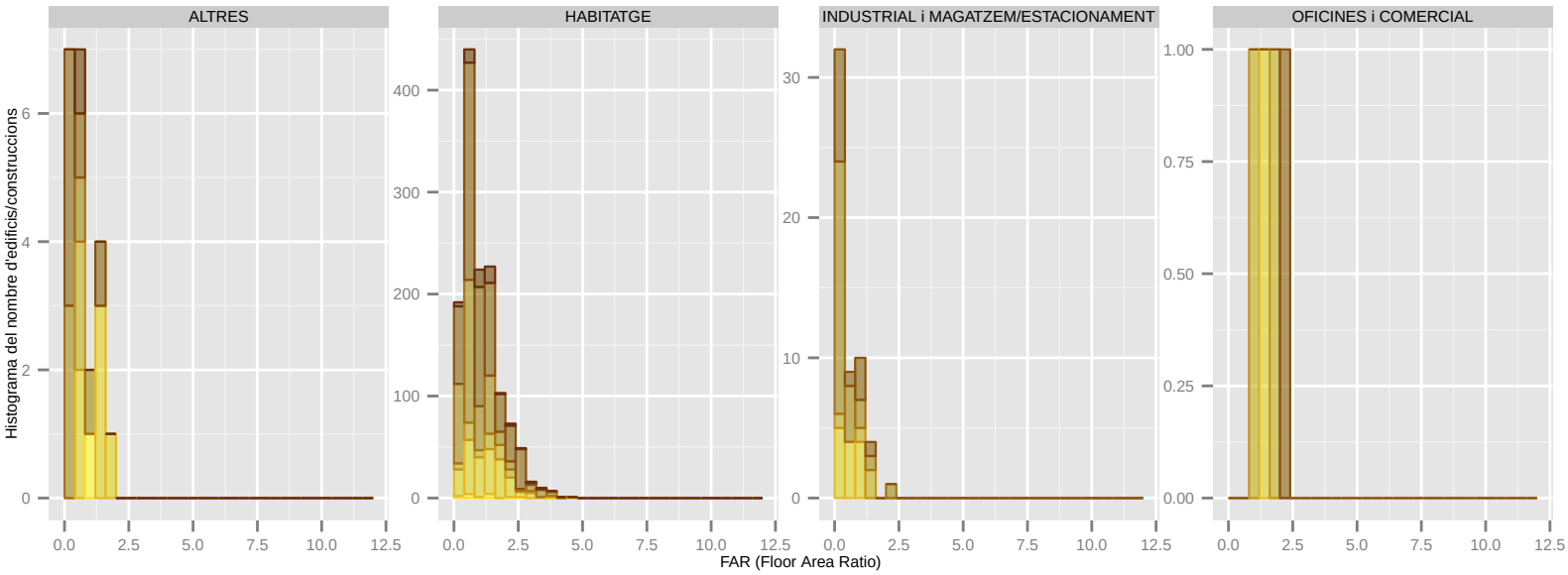
FAR (Floor Area Ratio): TIANA





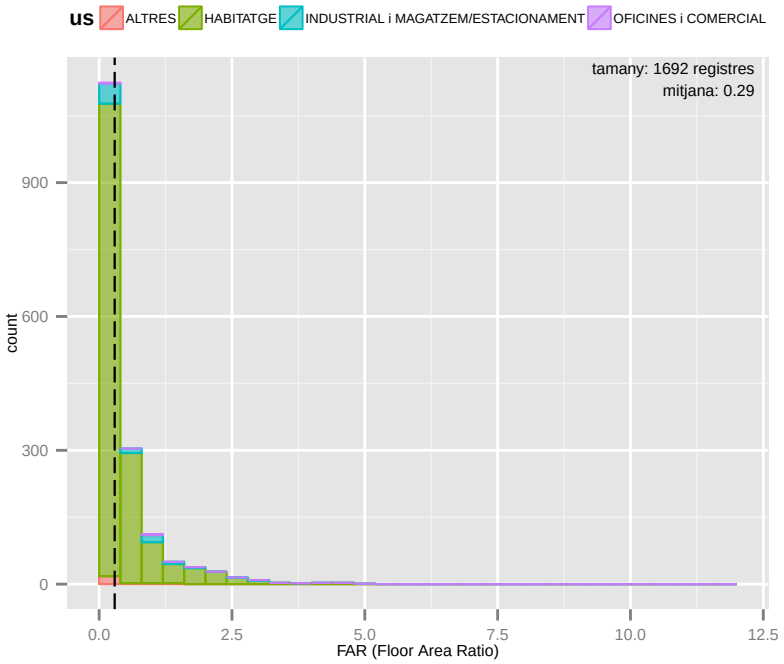


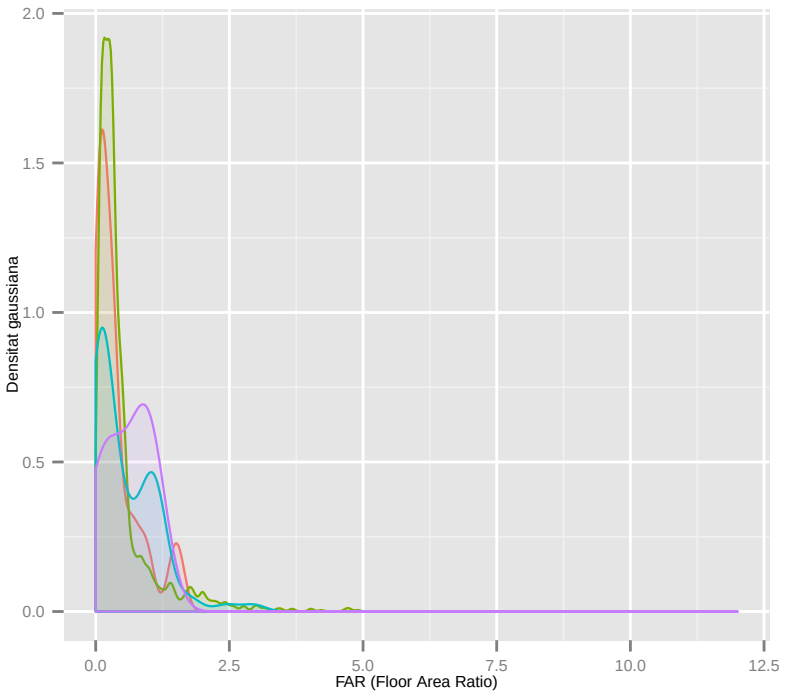


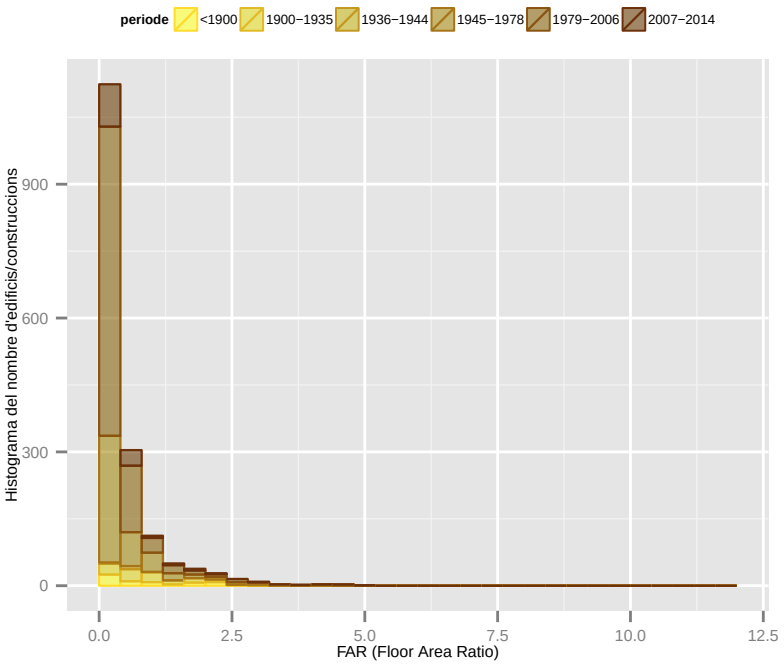


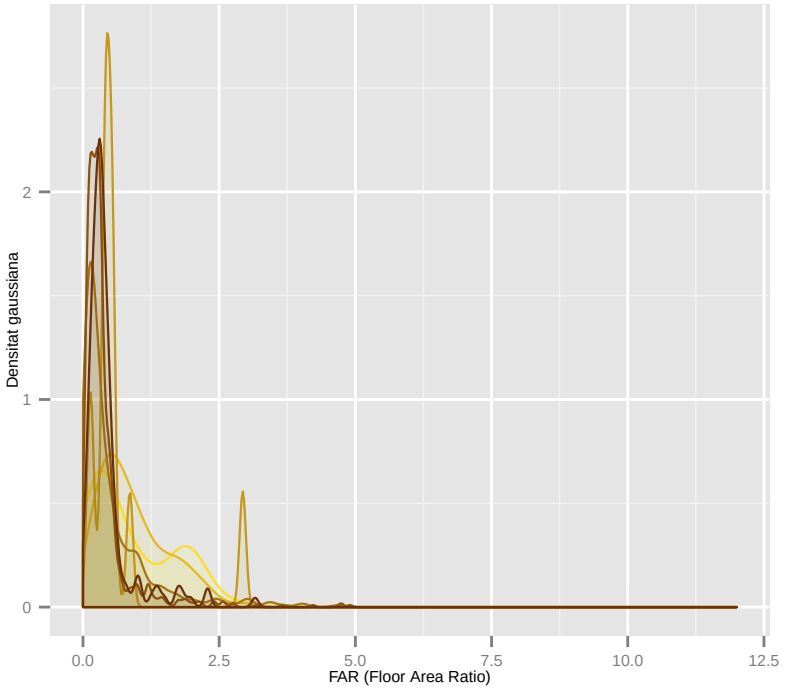
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

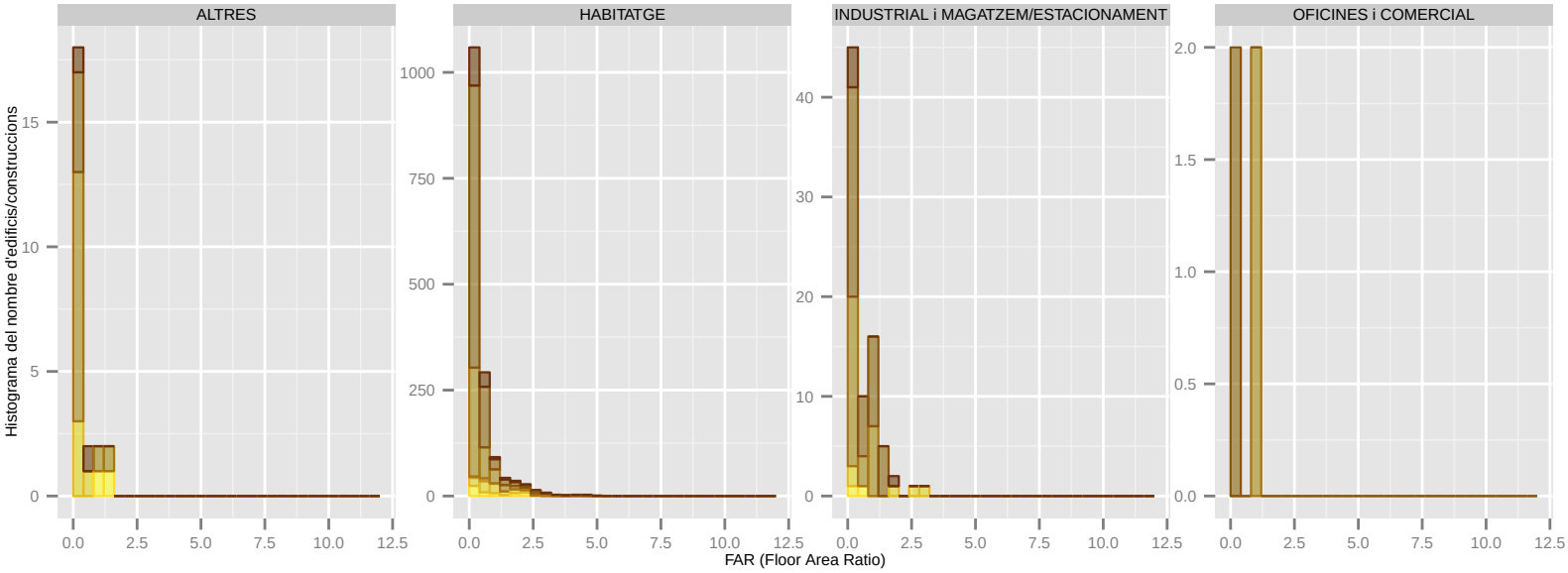
FAR (Floor Area Ratio): TORRELLES DE LLOBREGAT





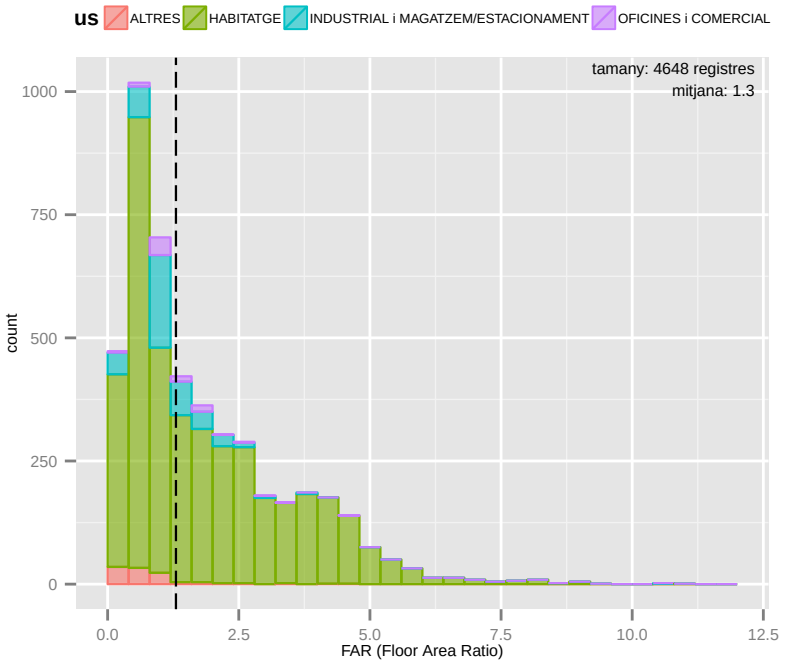


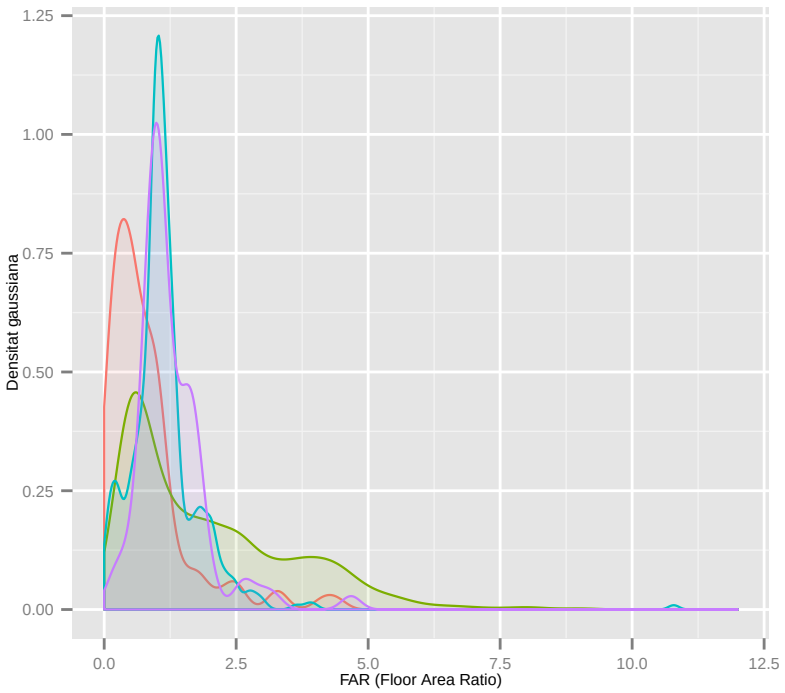


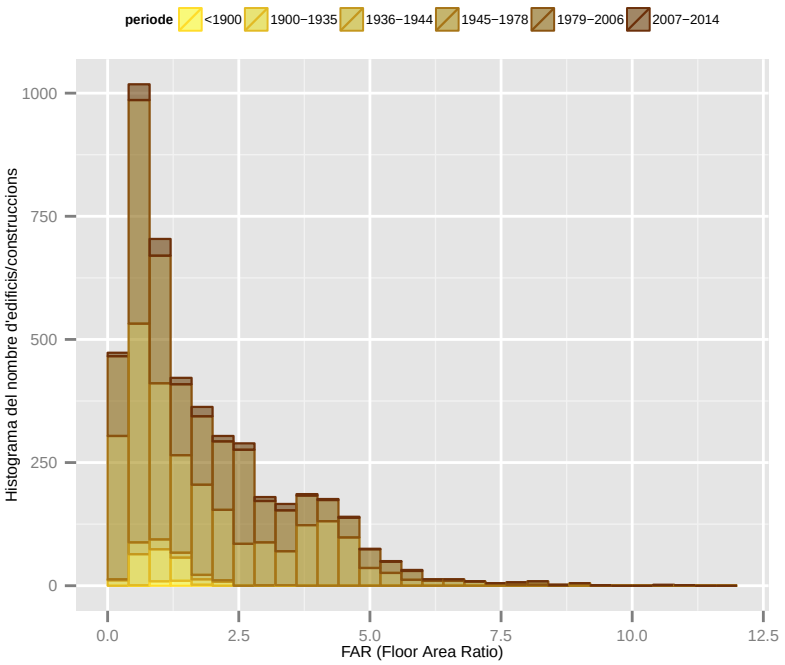


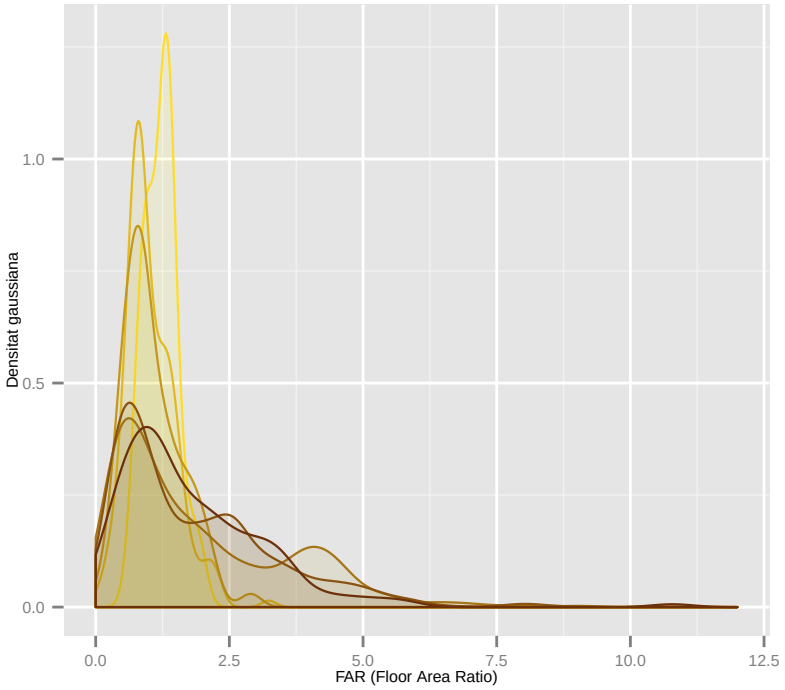
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

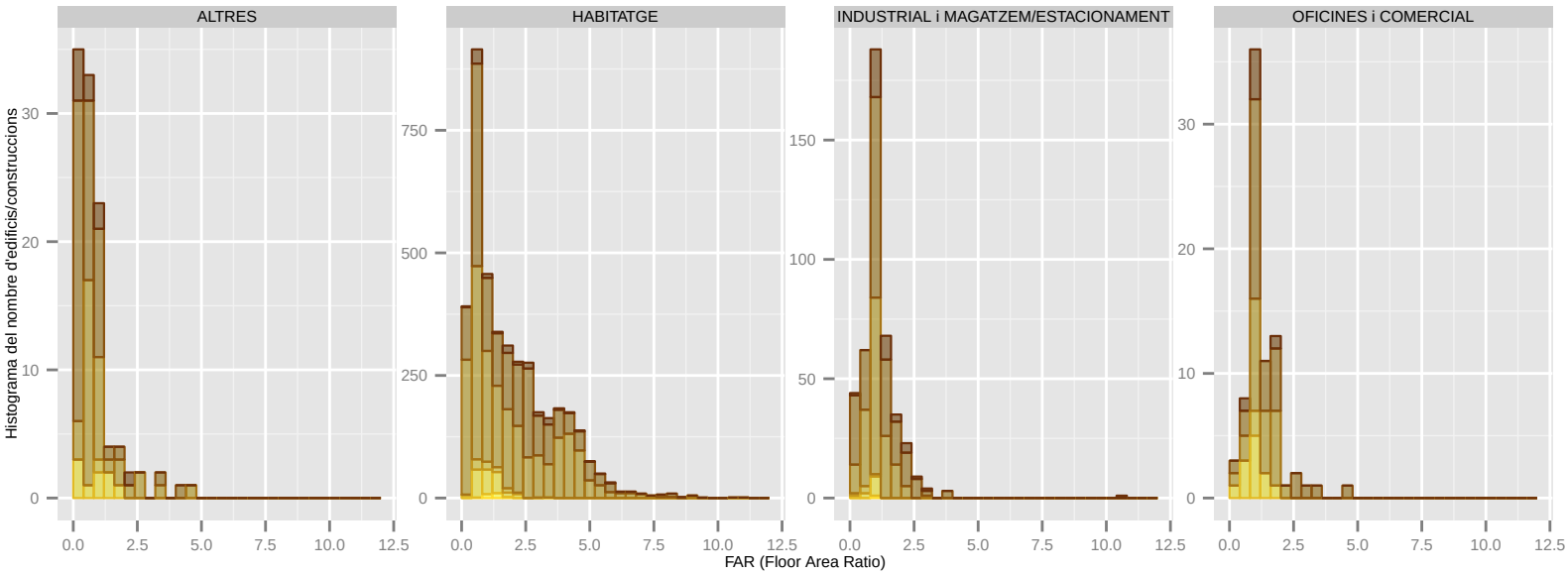
FAR (Floor Area Ratio): VILADECANS









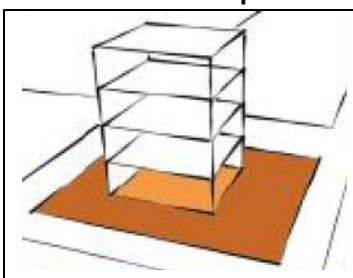


Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

7. BCR [BUILDING COVERAGE RATIO]

El BCR[2] o Building Coverage Ratio és la relació entre la superfície en planta de l'edifici i la superfície del solar; ve a ser un rati d'ocupació del sol.

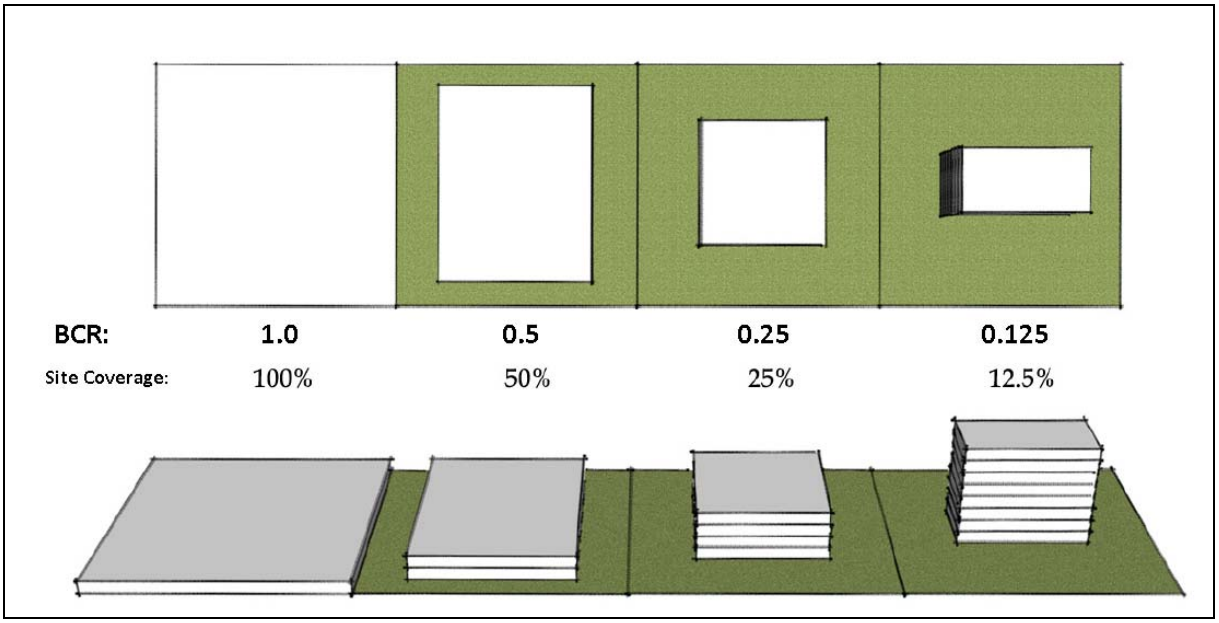
Taula 3: Fórmula aplicada i exemples gràfics



BUILDING COVERAGE RATIO

$$BCR = \frac{SP}{SOLAR} = \frac{superfície\ en\ planta\ \ [m^2]}{superfície\ del\ solar\ [m^2]}$$

FONT: Barcelona Regional

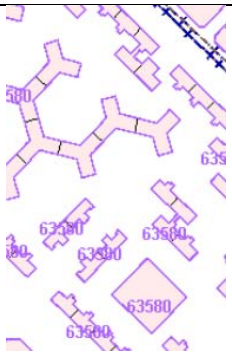
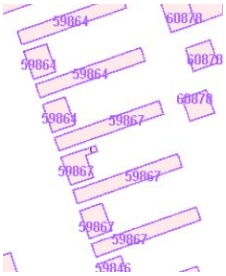
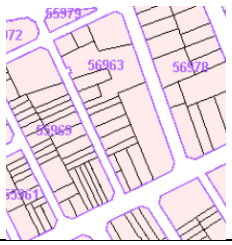


FONT: gràfics de The Ontario Plan

El BCR de la AMB és de 0,82. fet que indica una alta ocupació del sol per norma general. Des del punt de vista municipal destaca novament Badia del Vallès amb un BCR de 1, li segueixen L'Hospitalet de Llobregat (0,97), Cornellà de Llobregat (0,95), Sant Adrià de Besòs (0,94), Barcelona (0,91) i Badalona (0,90). En l'extrem contrari hi ha Corbera de Llobregat (0,19), Cervelló (0,22) o Torrelles de Llobregat (0,23).

[2] Altres possibles definicions: BCR = SCR (Surface Coverage Ratio)

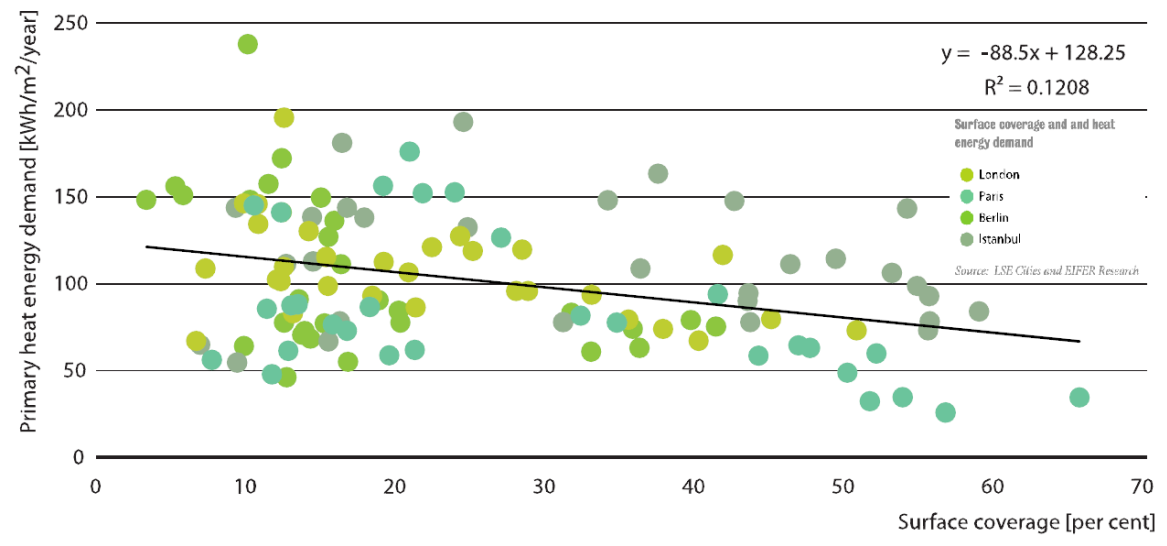
Taula 4: Exemples

BCR << 1 Rati d'ocupació del sol baix		Cervelló (BCR = 0,22)
BCR < 1 Rati d'ocupació del sol mig		Sant Andreu de la Barca (BCR = 0,54)
BCR = 1 Rati d'ocupació del sol total	  	Badia del Vallès (BCR = 1) L'Hospitalet de Llobregat (BCR = 0,97)

FONT: imatges de Bing i del parcel·lari del Cadastre

Incidència en el consum d'energia:

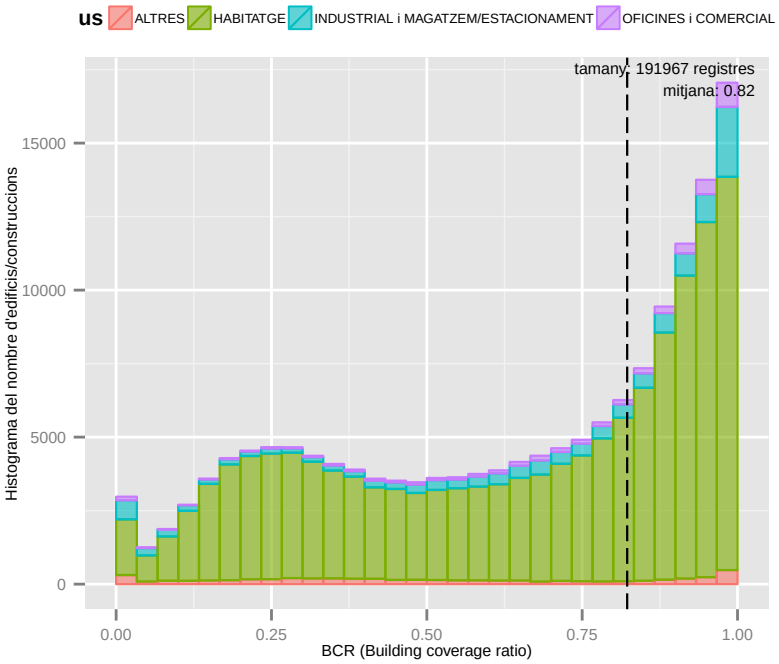
Hi ha molta dispersió (ja que només té un R^2=0,12 segons l'estudi de la EIFER) entre el consum de calefacció i el BCR (BCR= Surface Coverage/100), tot i això la tendència de l'estudi de l'EIFER orienta a que pot haver una lleugera correlació inversa entre el BCR i el consum de calefacció. Cal dir que hi ha molta correlació (en edificis d'ús majoritari d'habitatge) entre el BCR i el FAR.

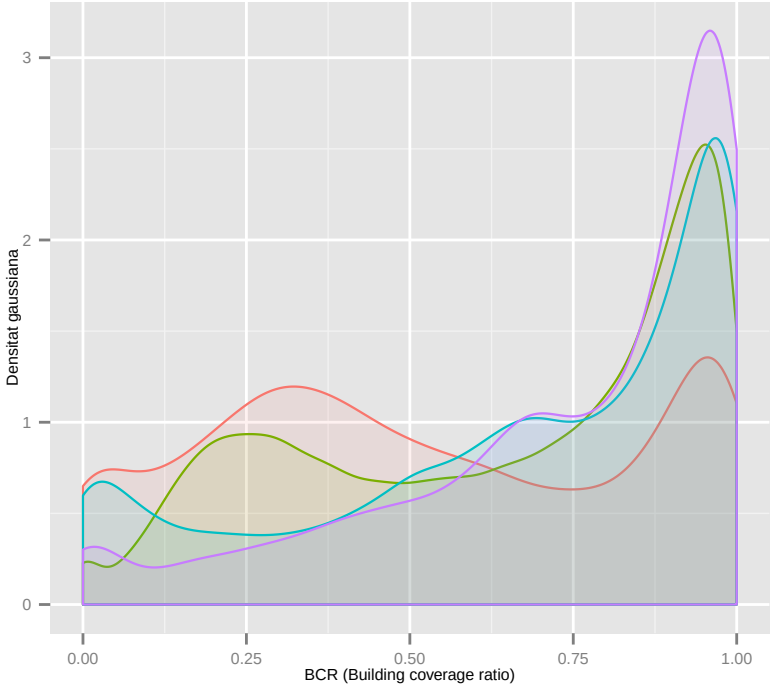


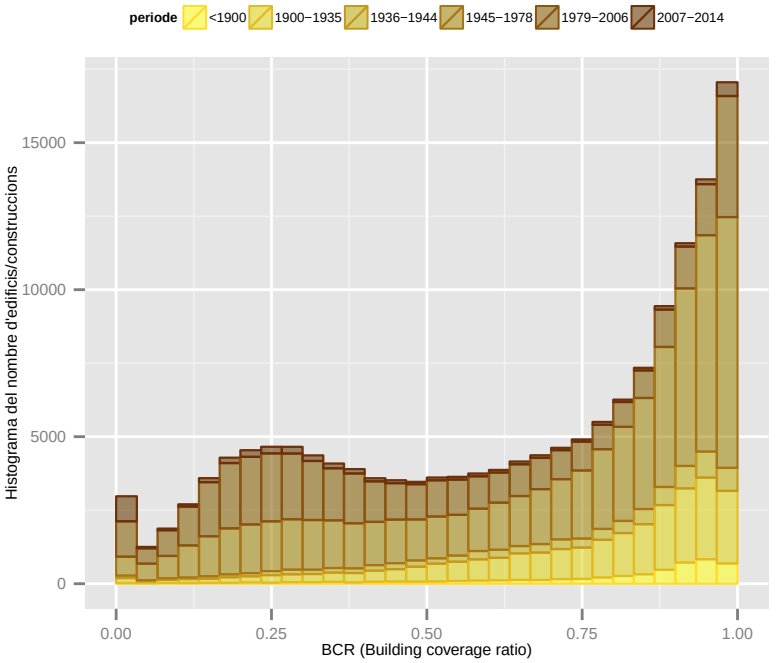
FONT: LSE Cities Seminar - Cities and Energy, EIFER

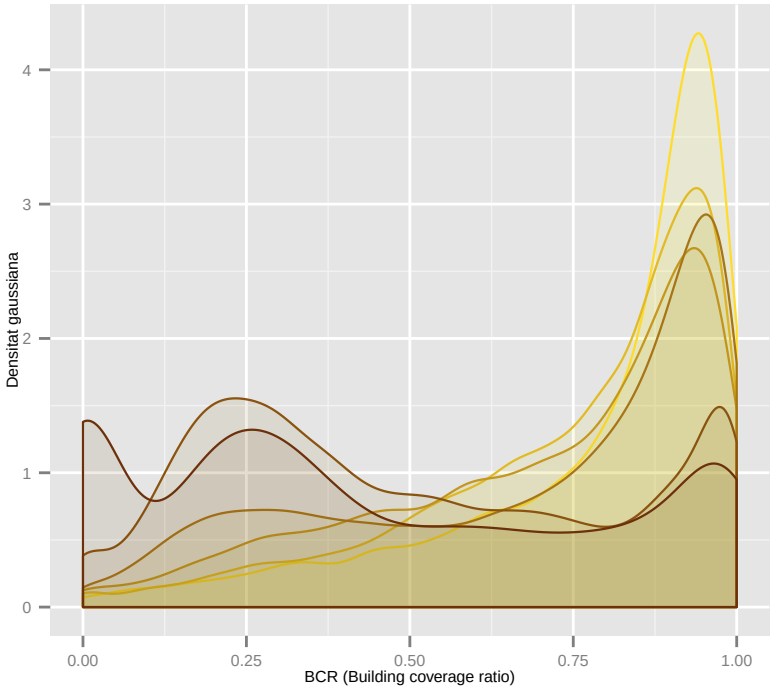
Cal tenir en compte que a part del consum d'energia s'ha de considerar el consum del sol, que també és un bé escàs, un baix BCR implicarà un major consum de sol per unitat d'ús.

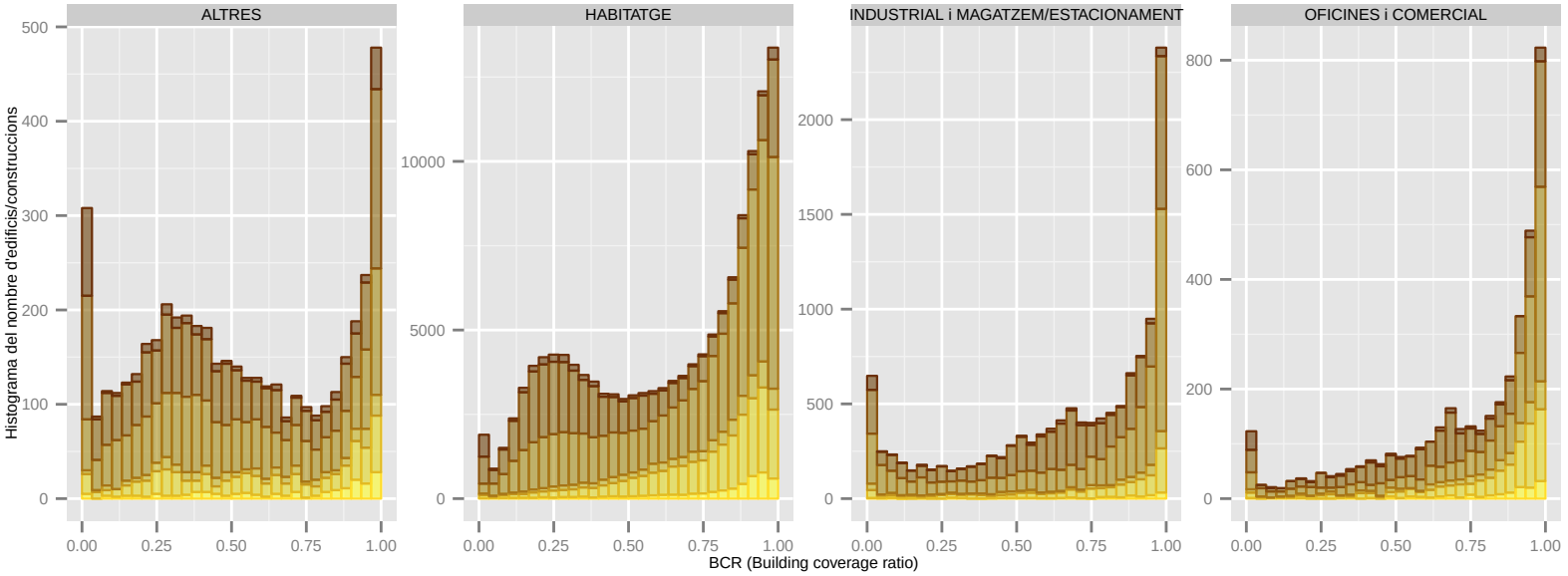
BCR (Building coverage ratio): AMB





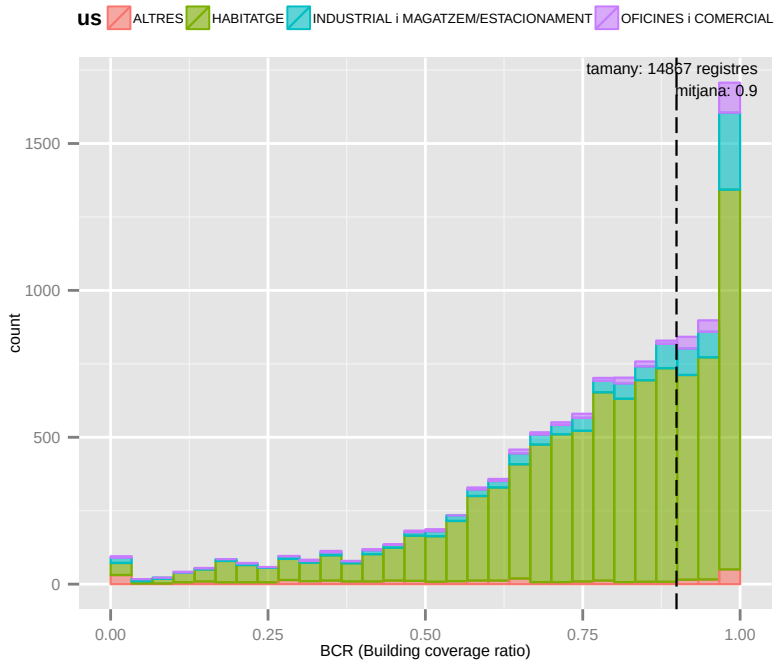


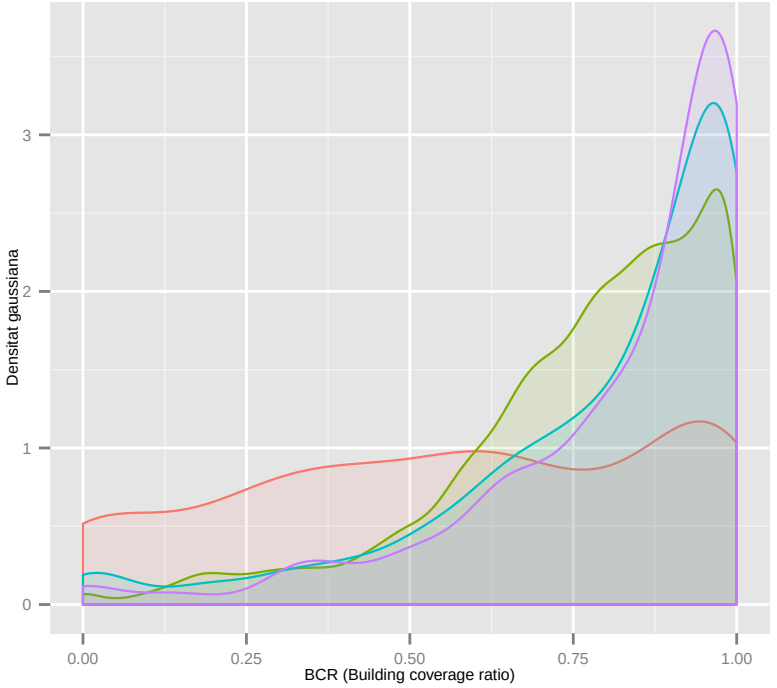


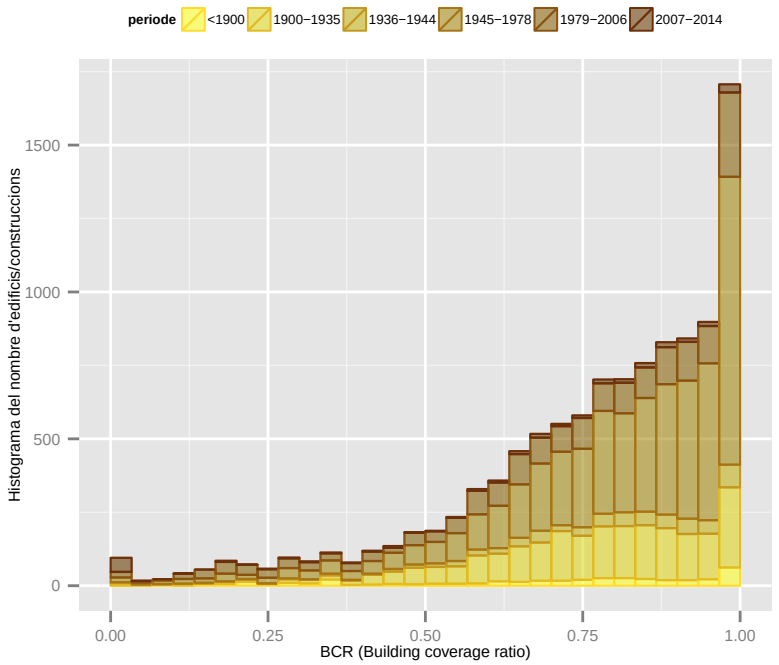


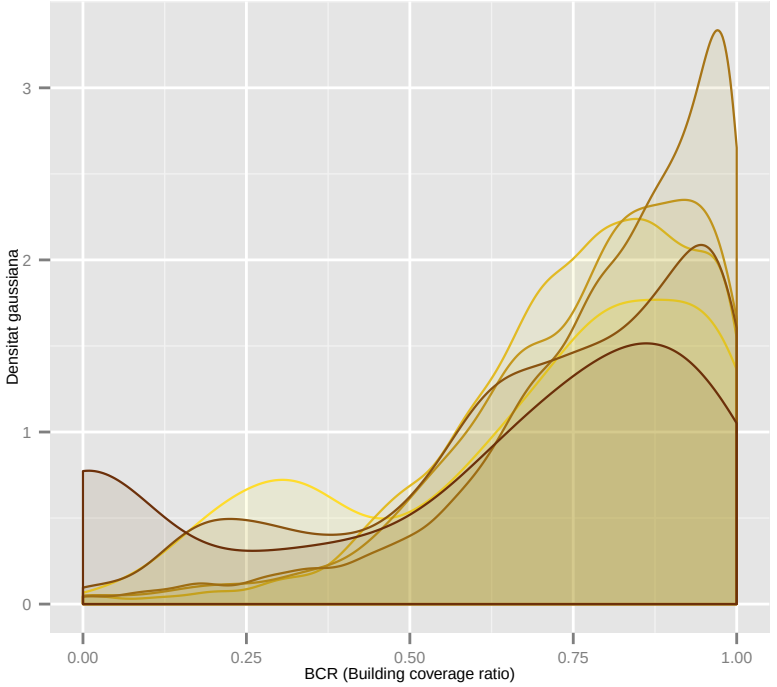
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

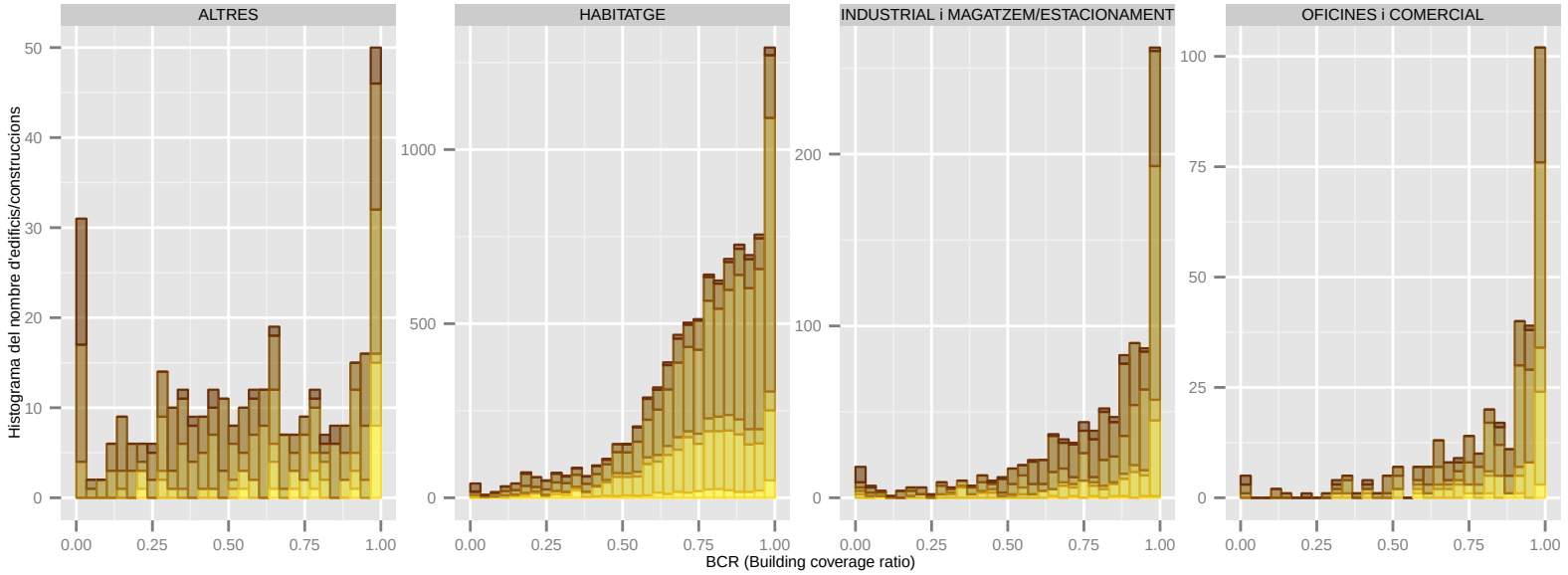
BCR (Building coverage ratio): BADALONA





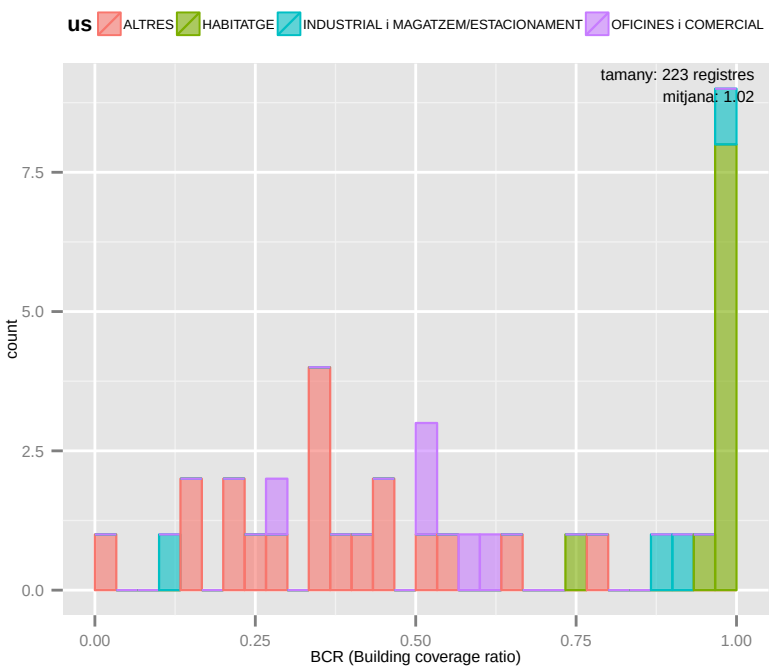


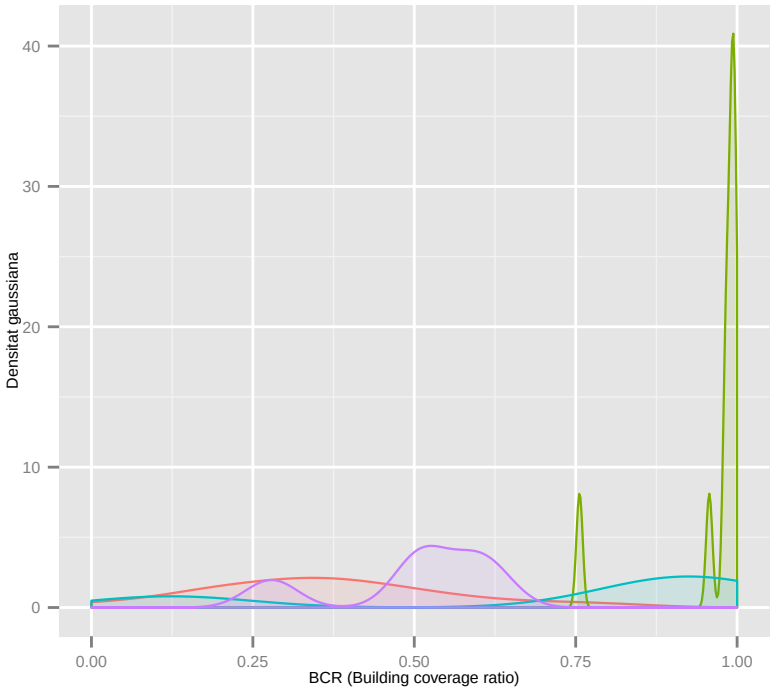


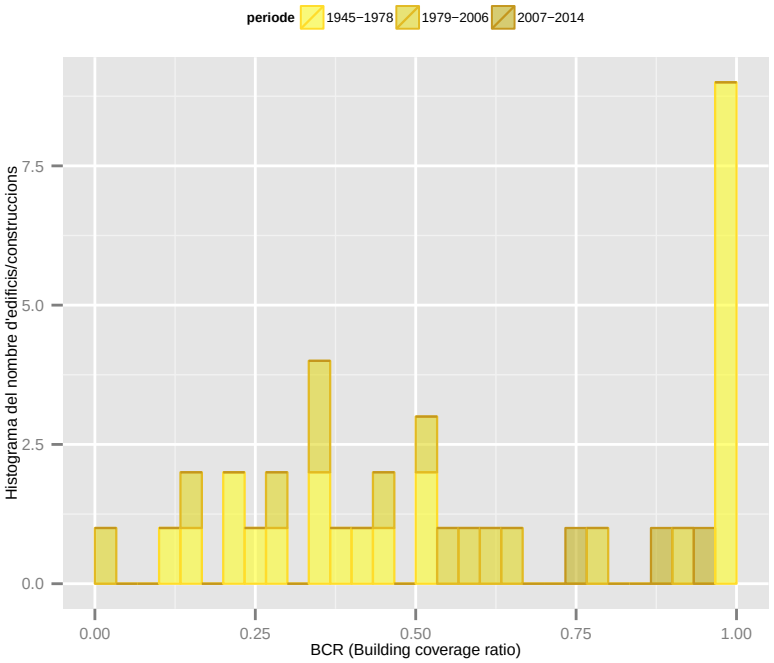


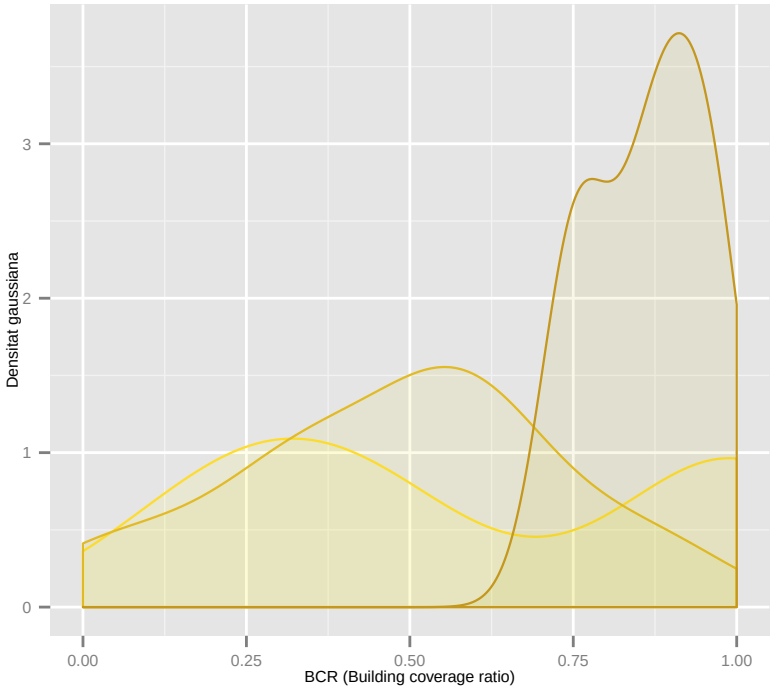
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

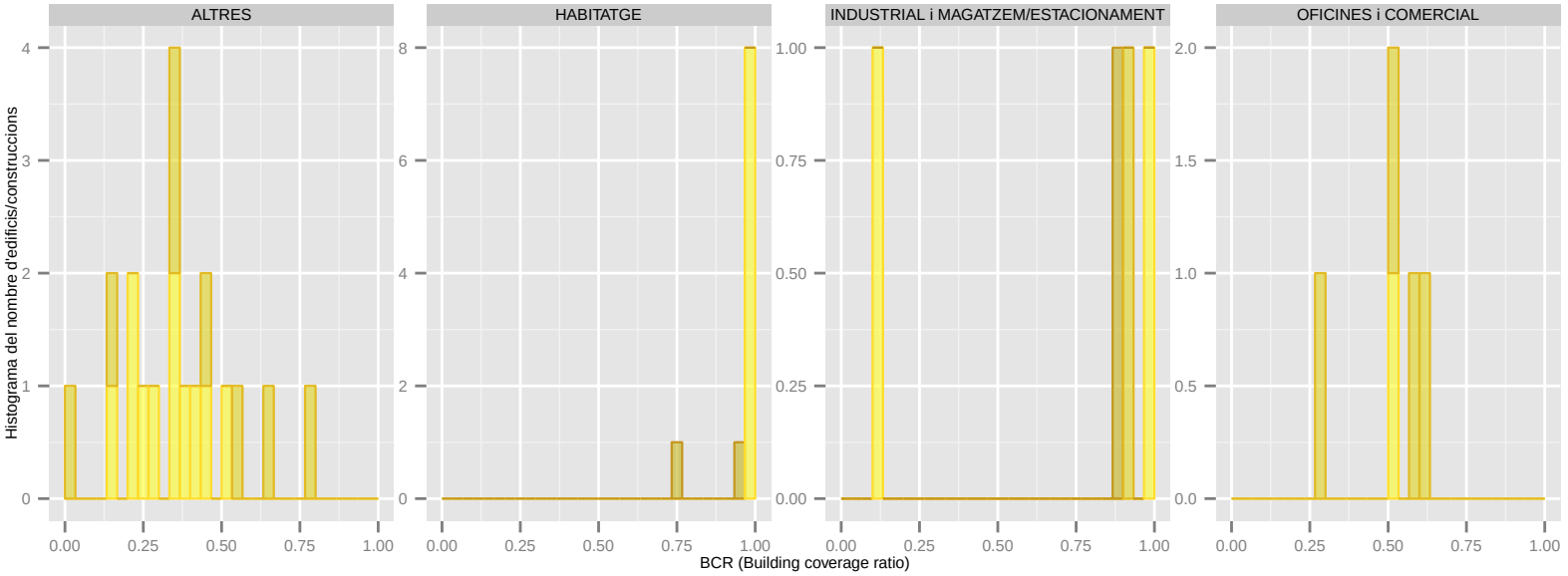
BCR (Building coverage ratio): BADIA DEL VALLES





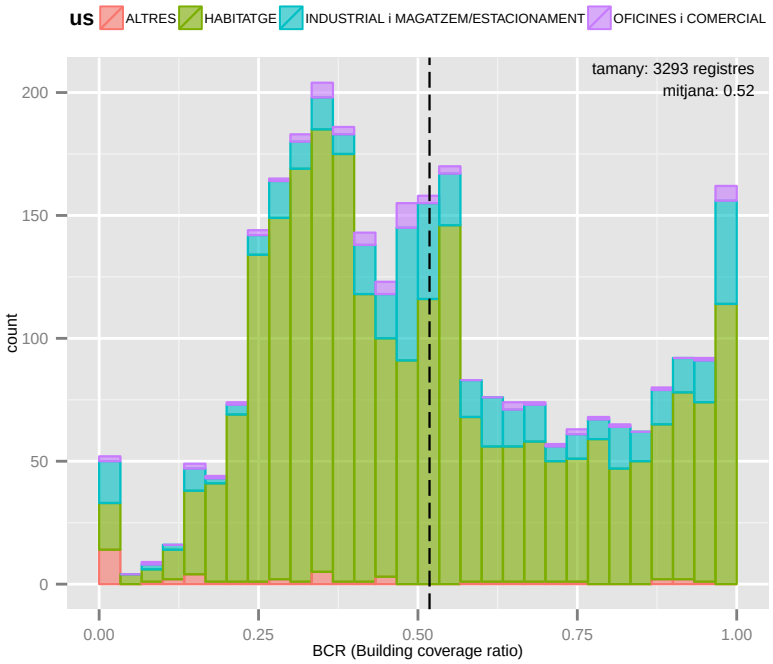


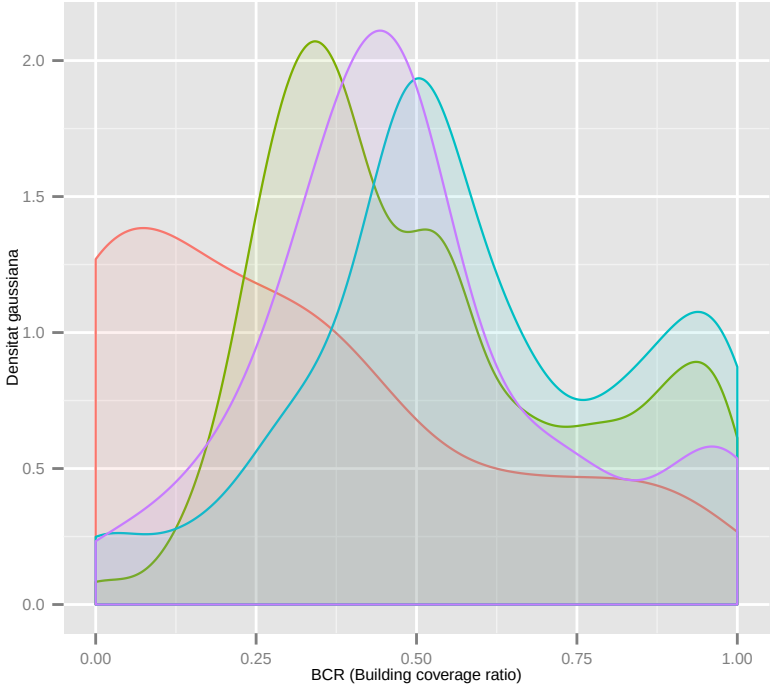


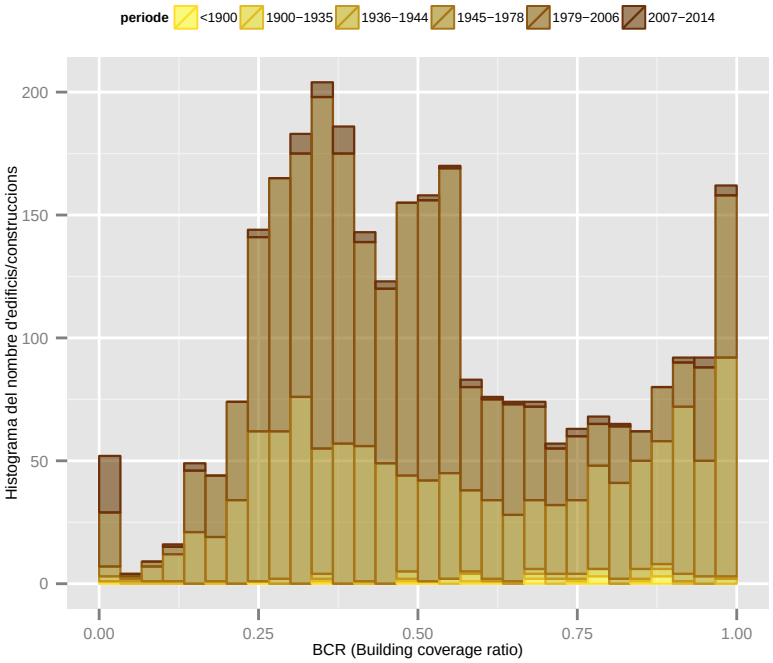


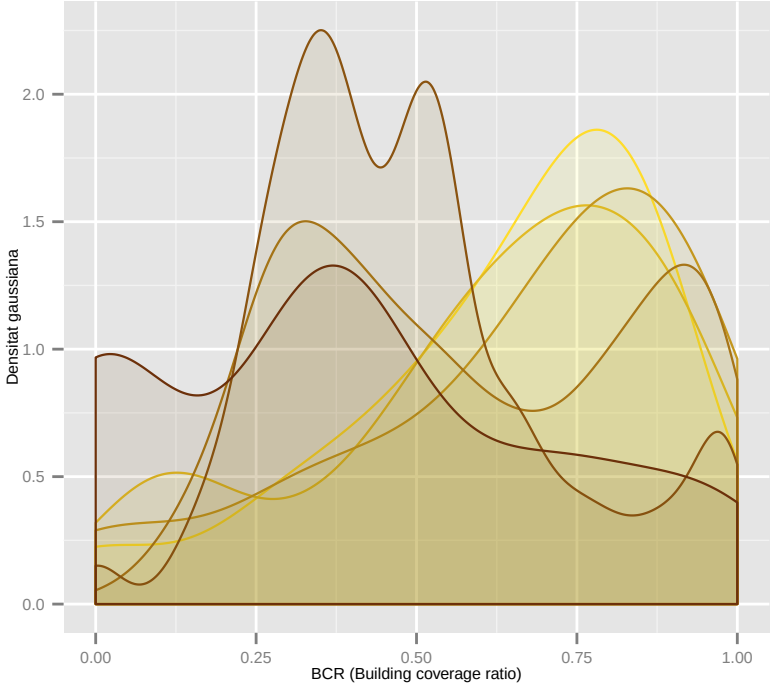
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

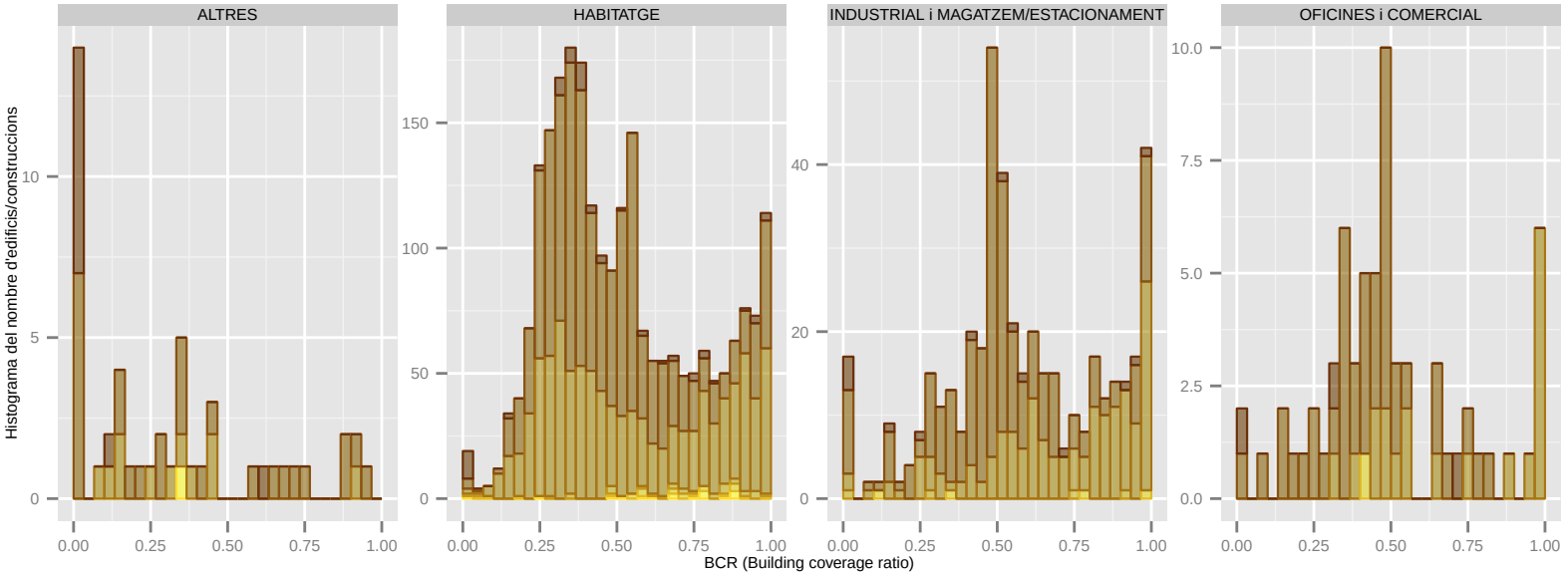
BCR (Building coverage ratio): BARBERA DEL VALLES











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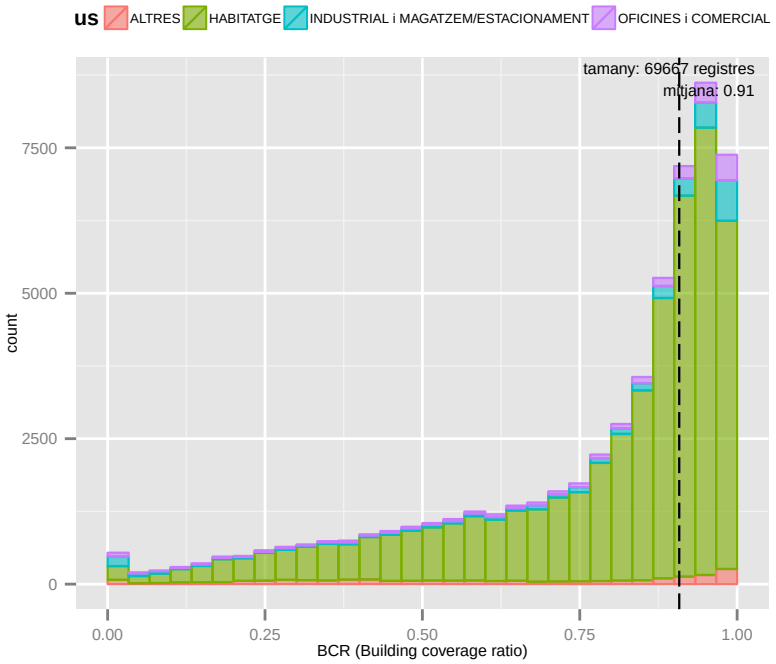
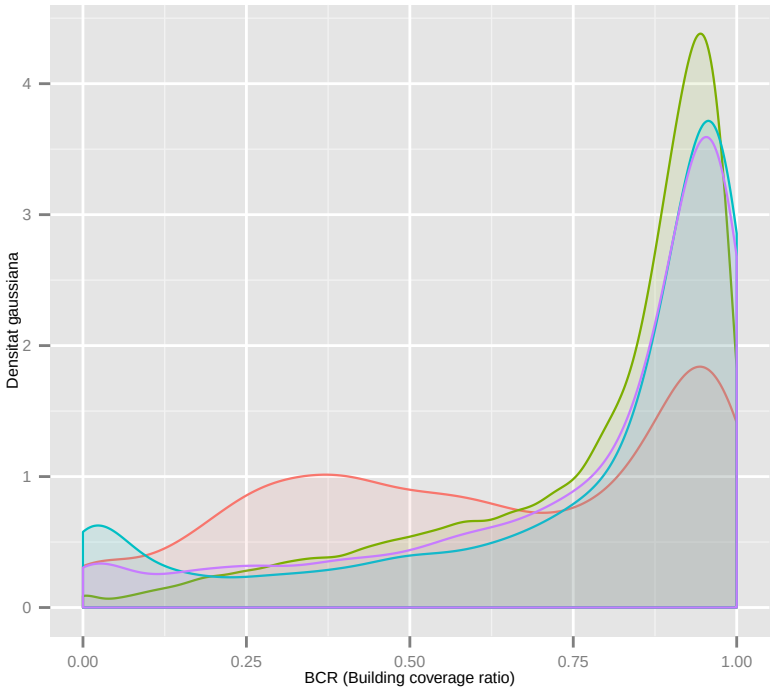
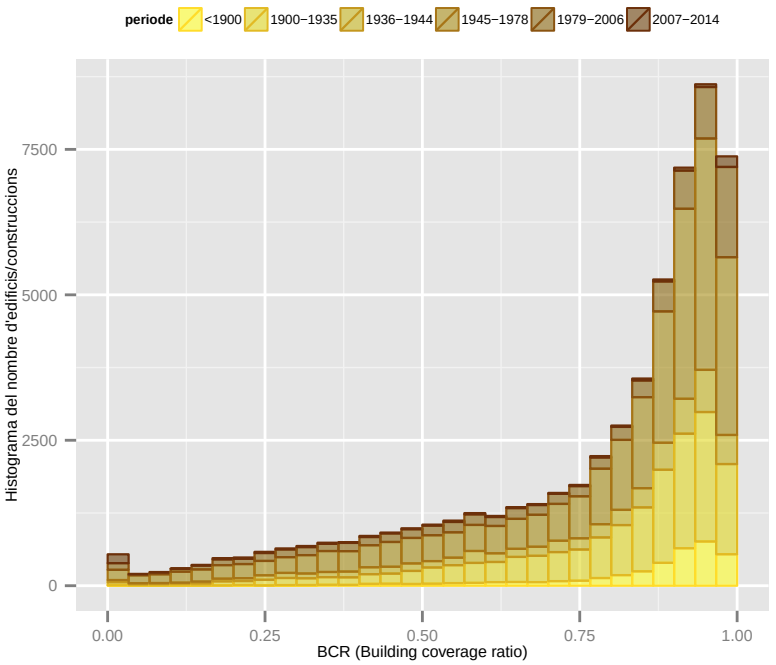
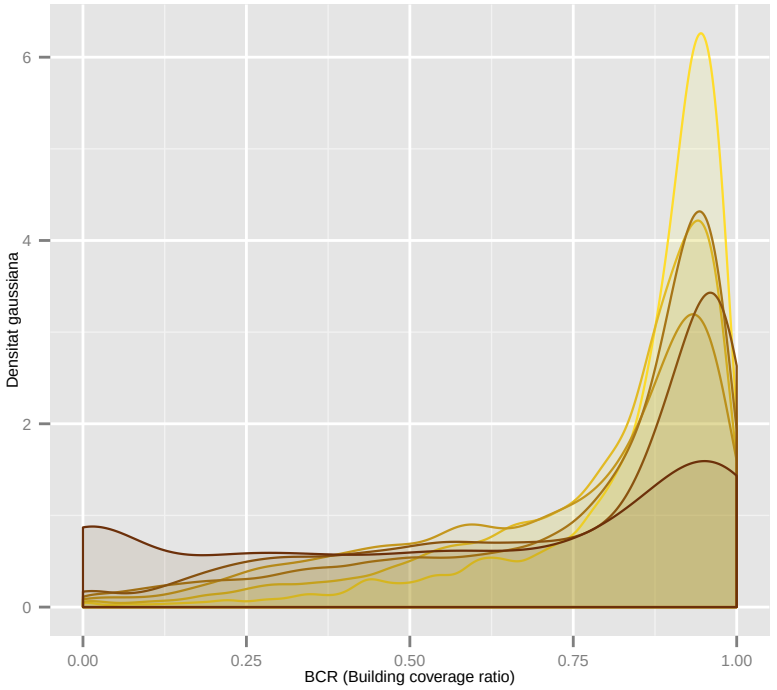
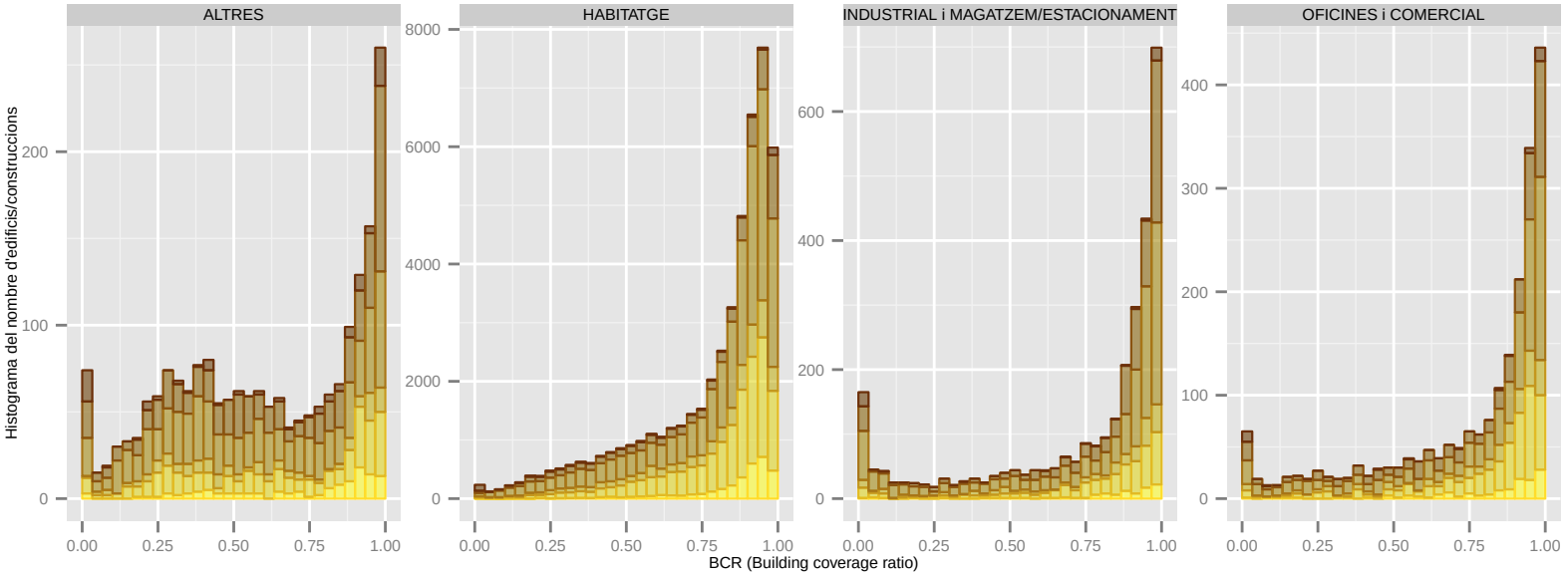
BCR (Building coverage ratio): BARCELONA





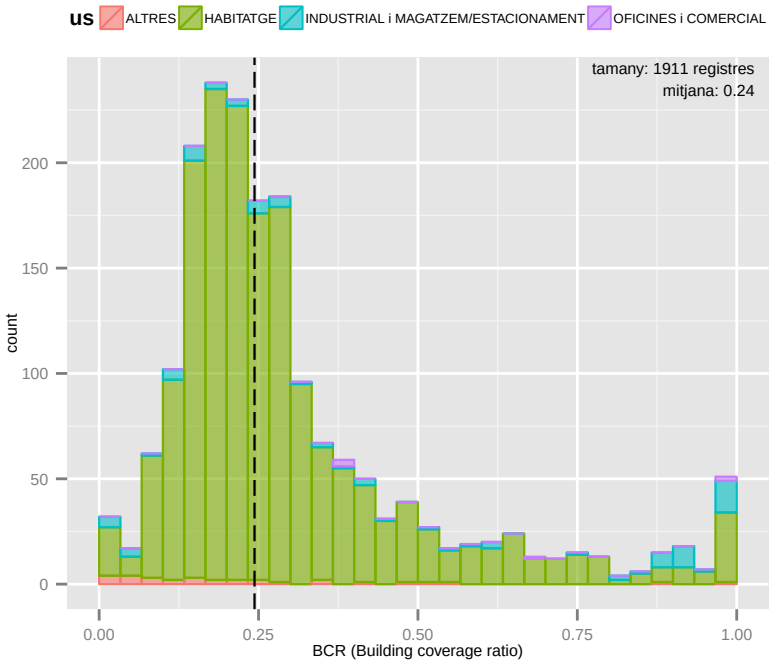


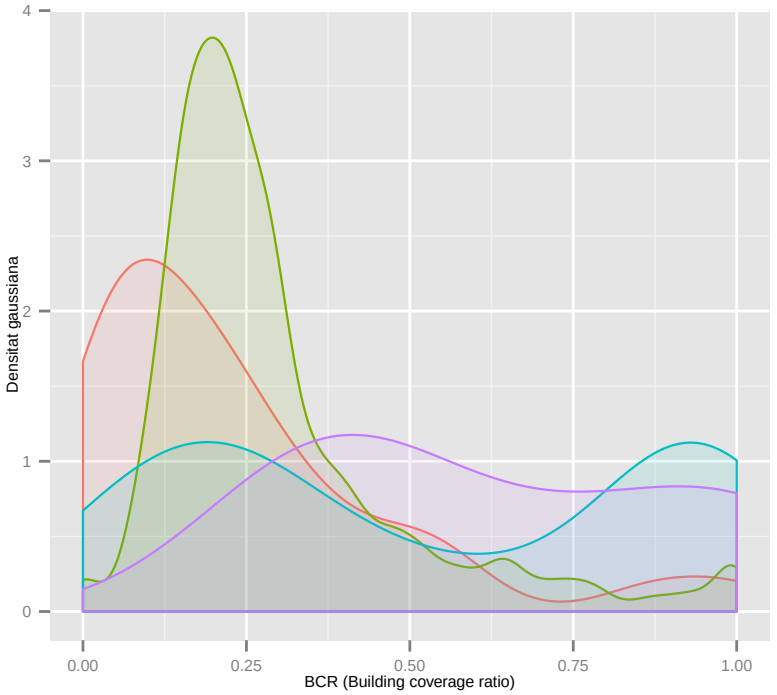


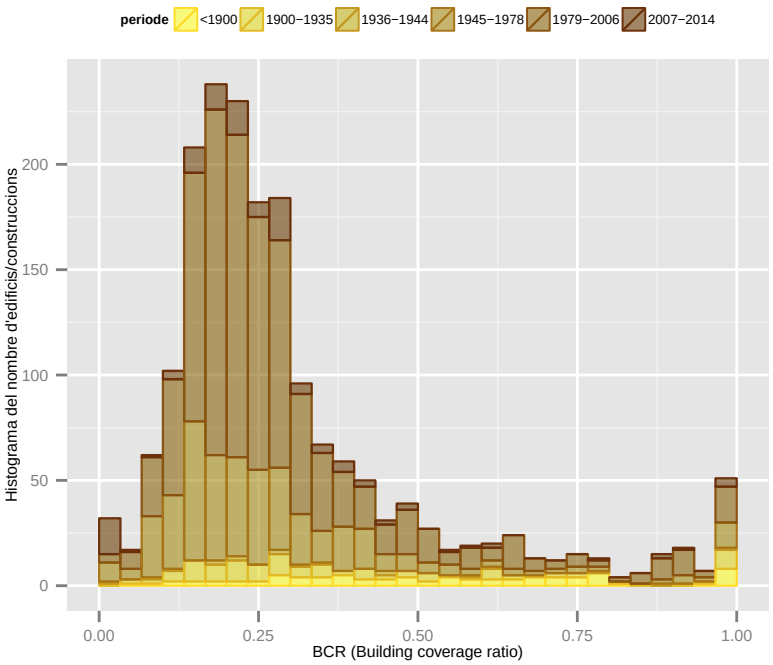


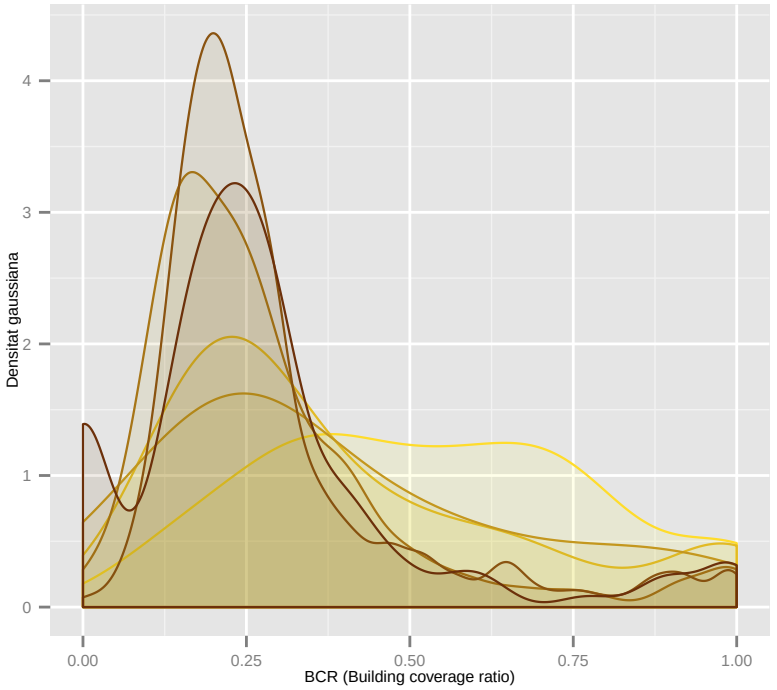
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

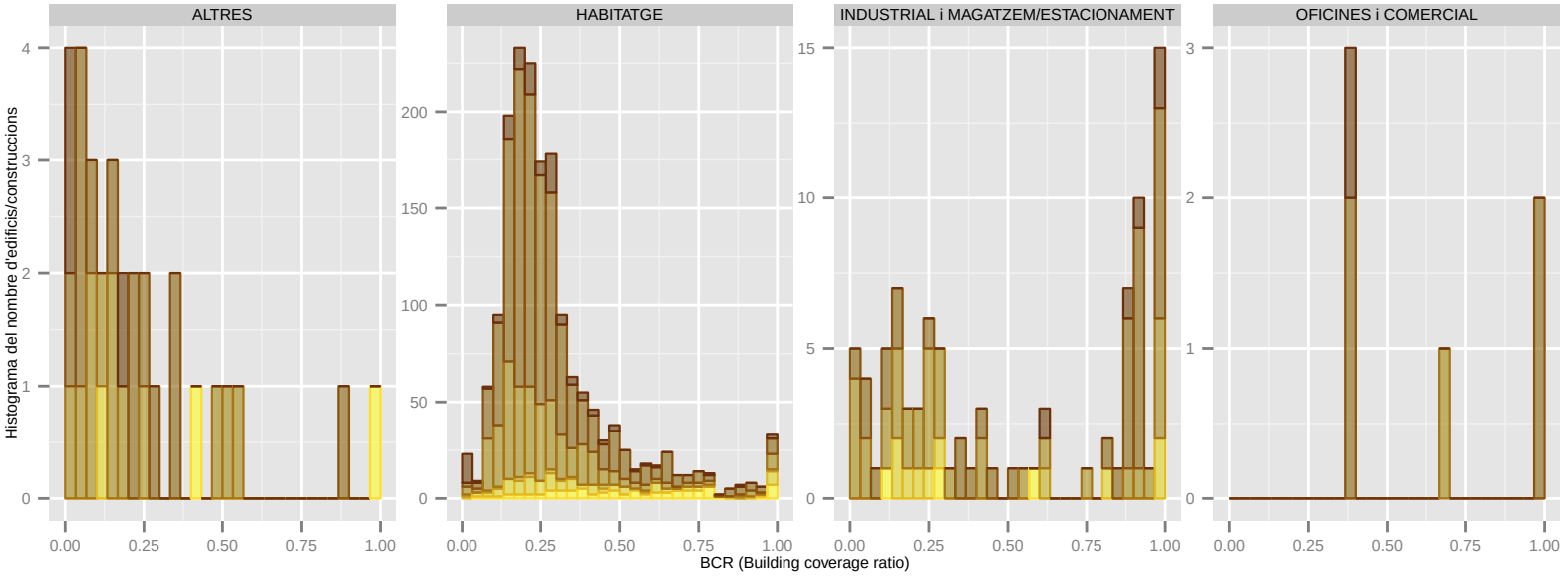
BCR (Building coverage ratio): BEGUES





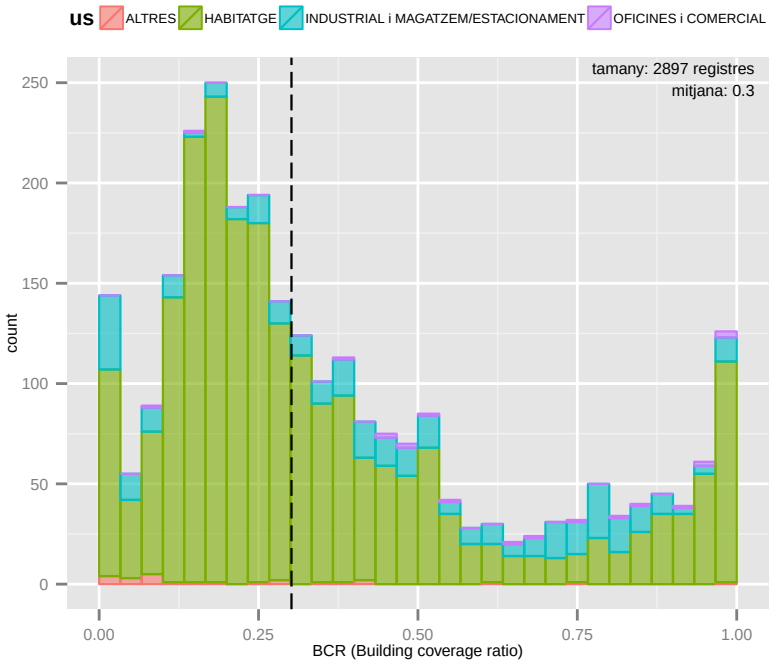


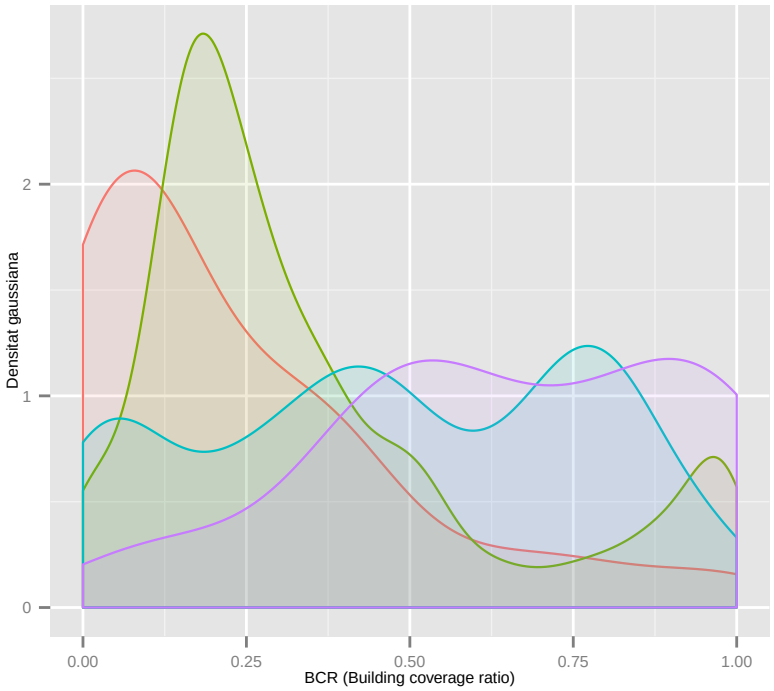


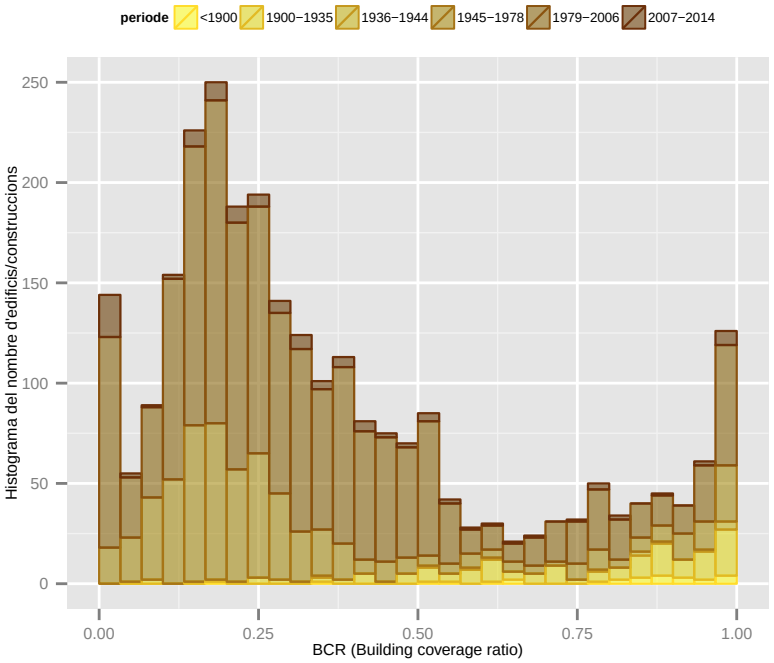


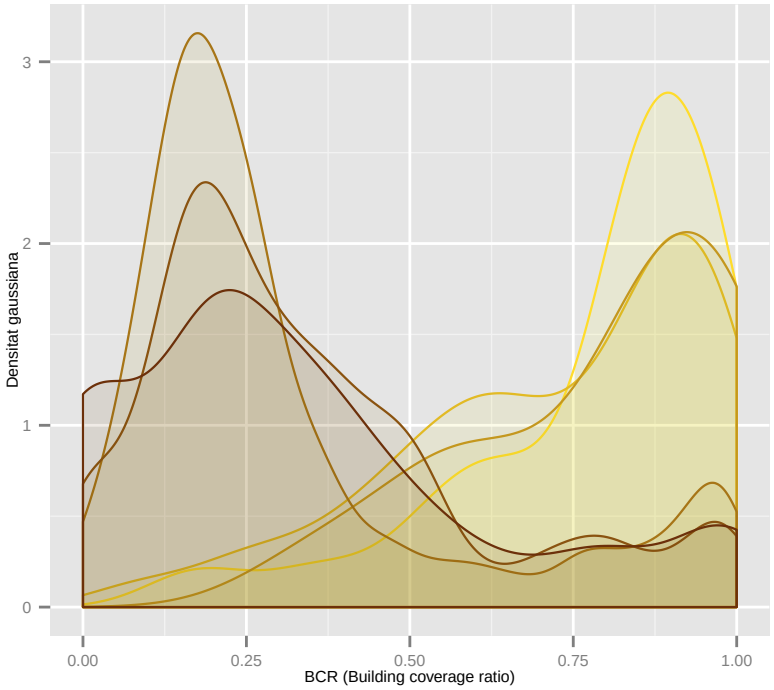
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

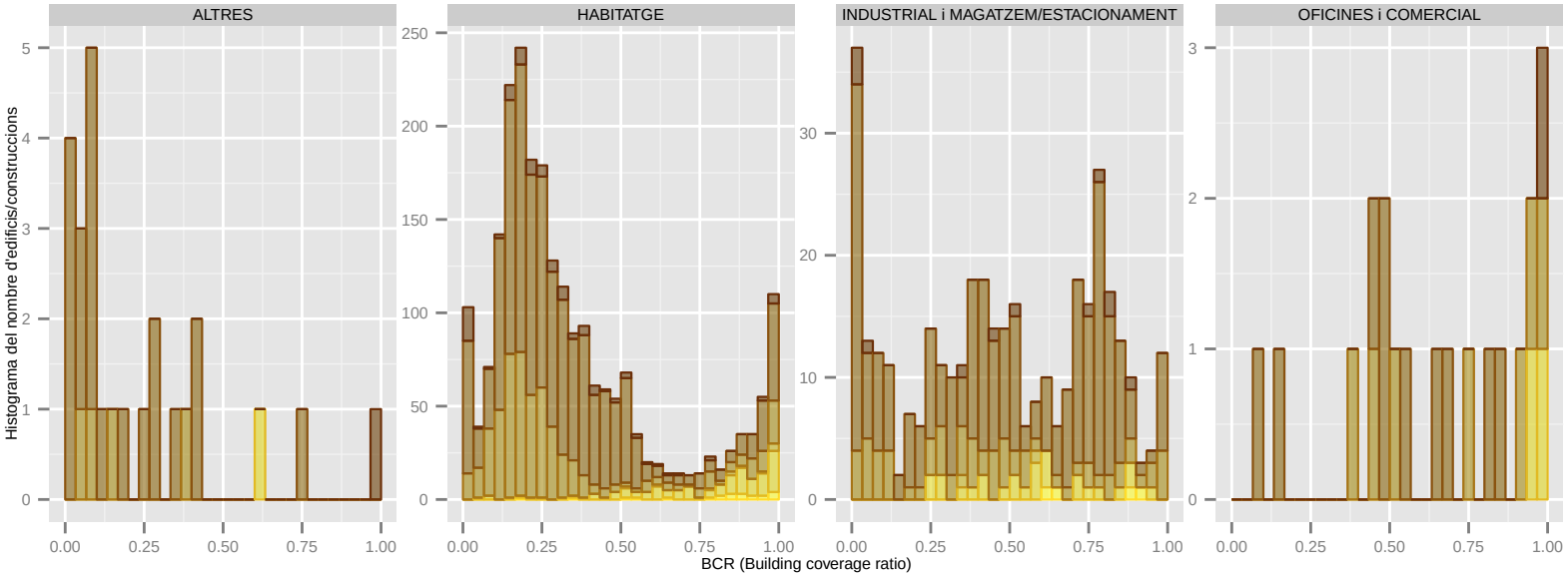
BCR (Building coverage ratio): CASTELLBISBAL





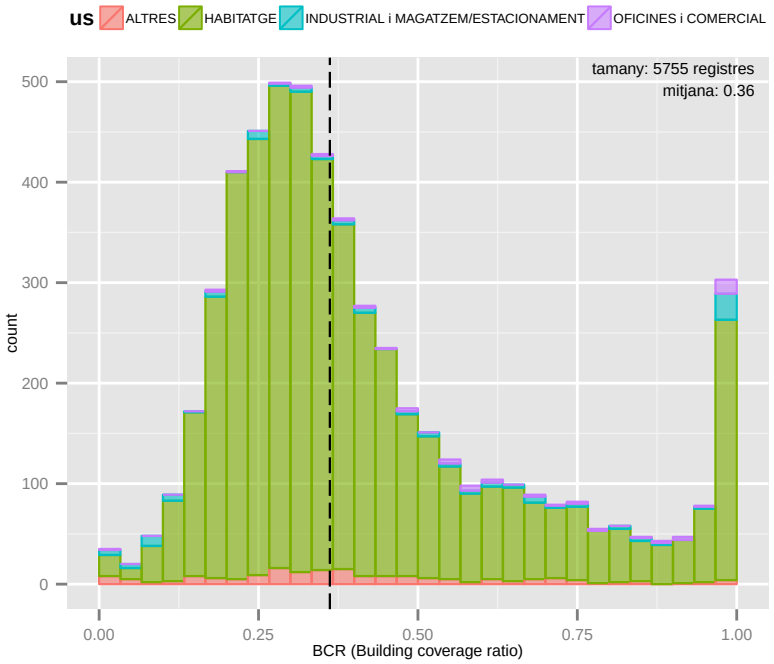


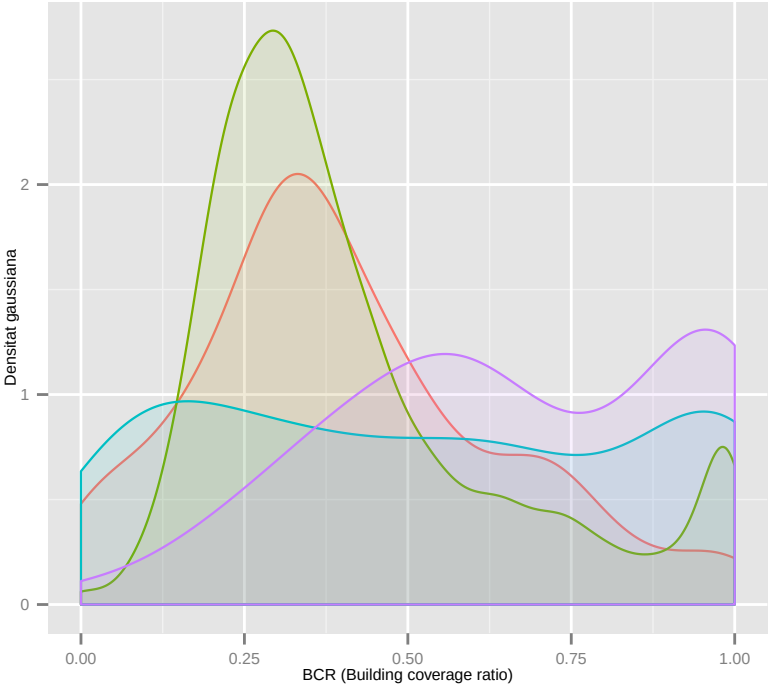


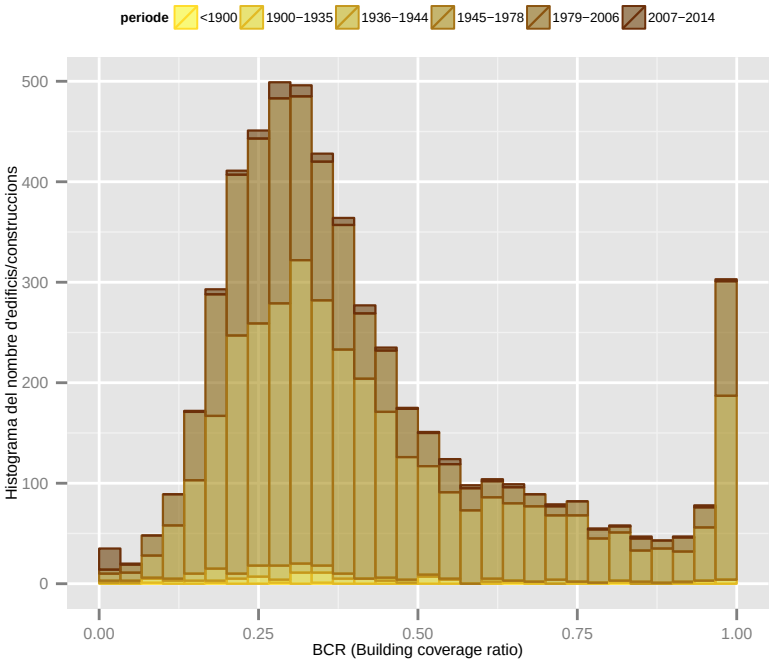


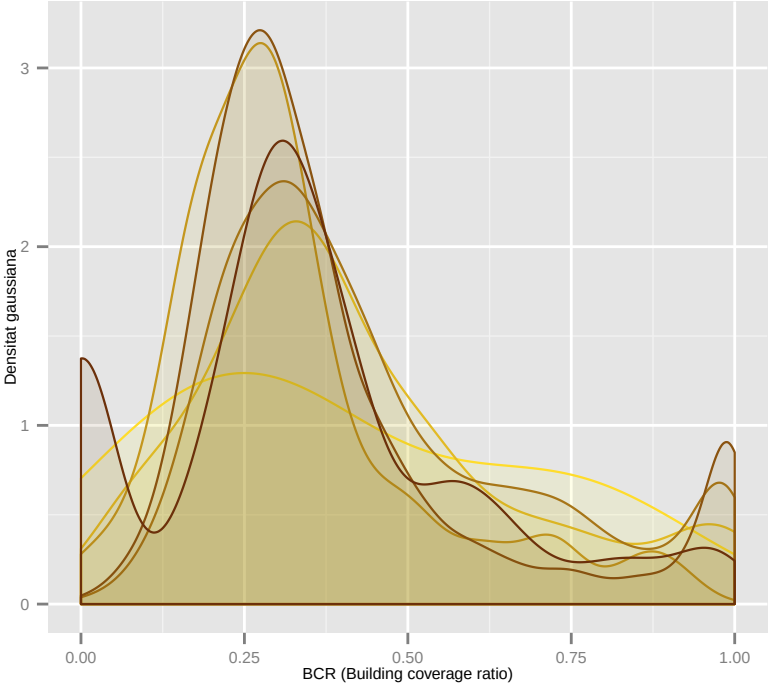
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

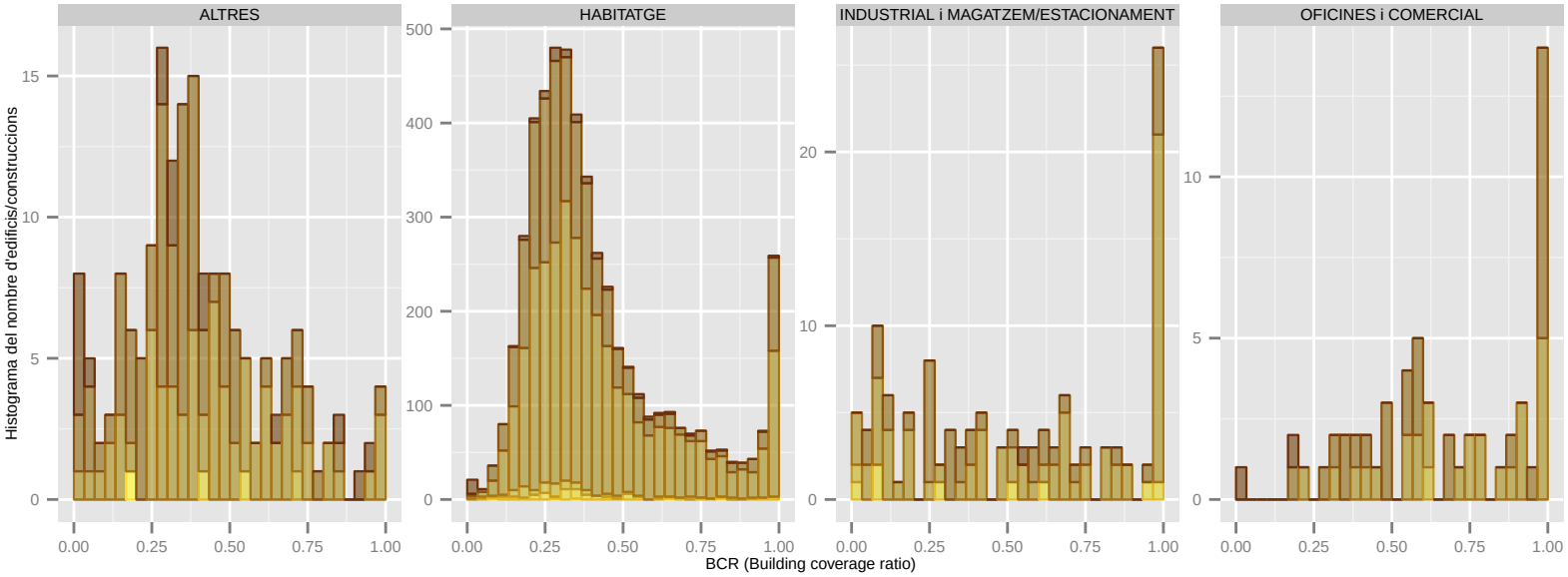
BCR (Building coverage ratio): CASTELLDEFELS





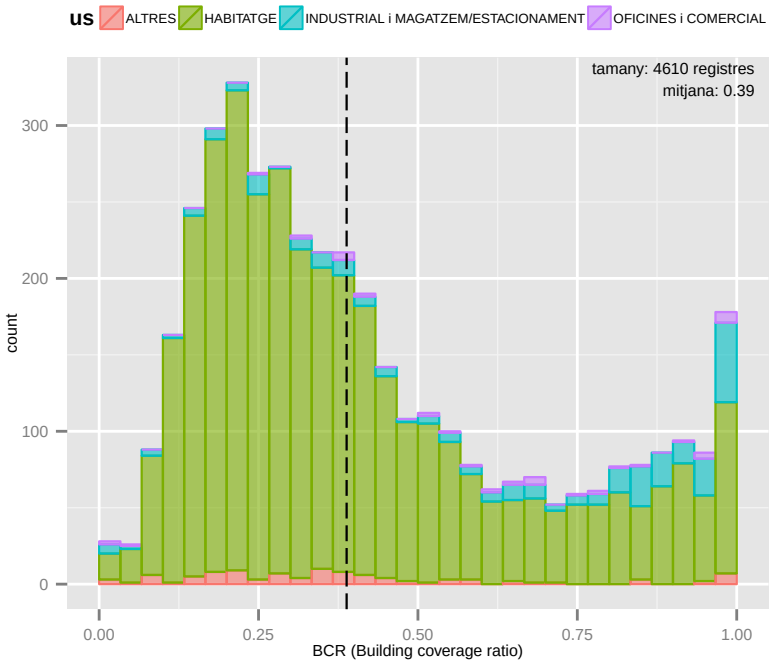


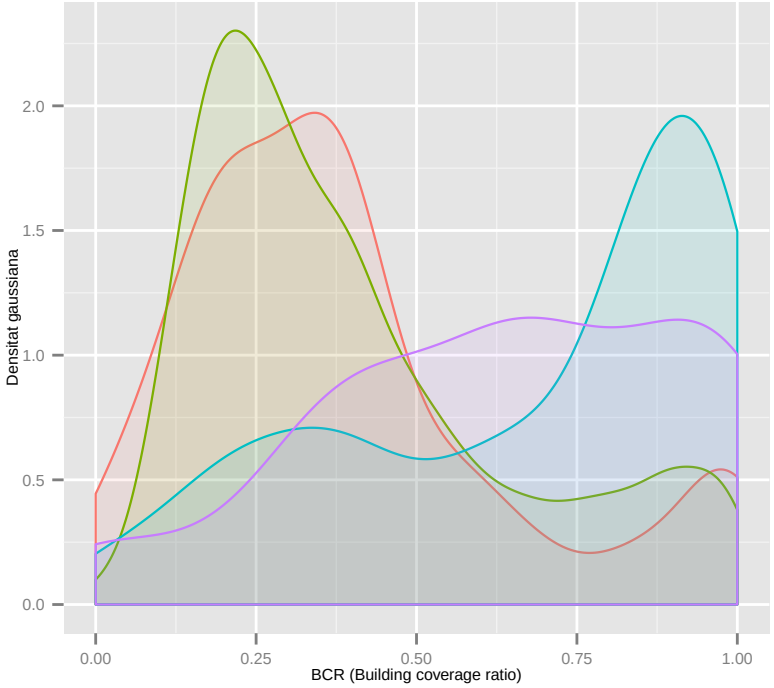


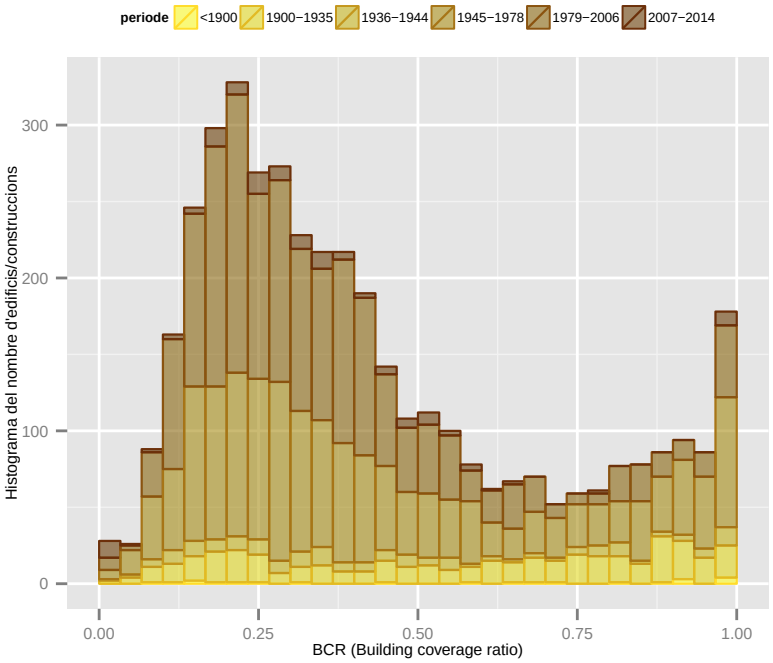


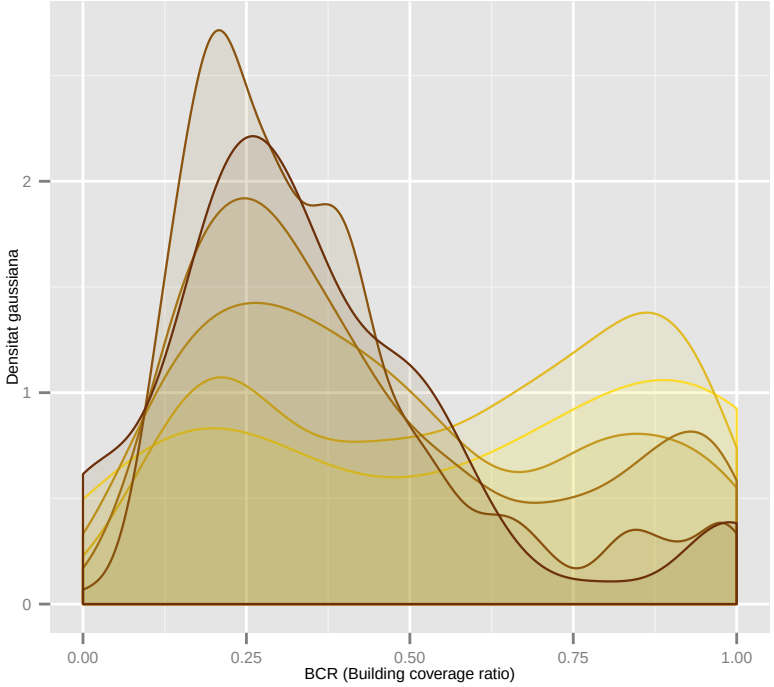
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

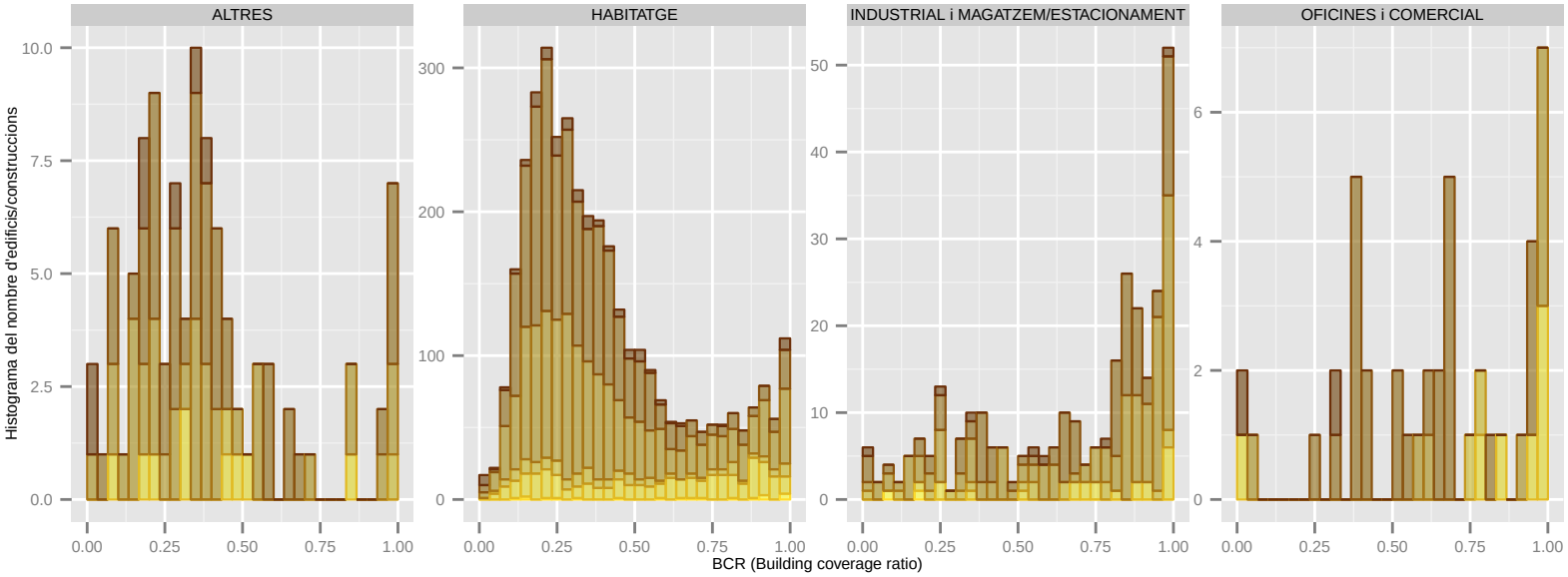
BCR (Building coverage ratio): CERDANYOLA DEL VALLES





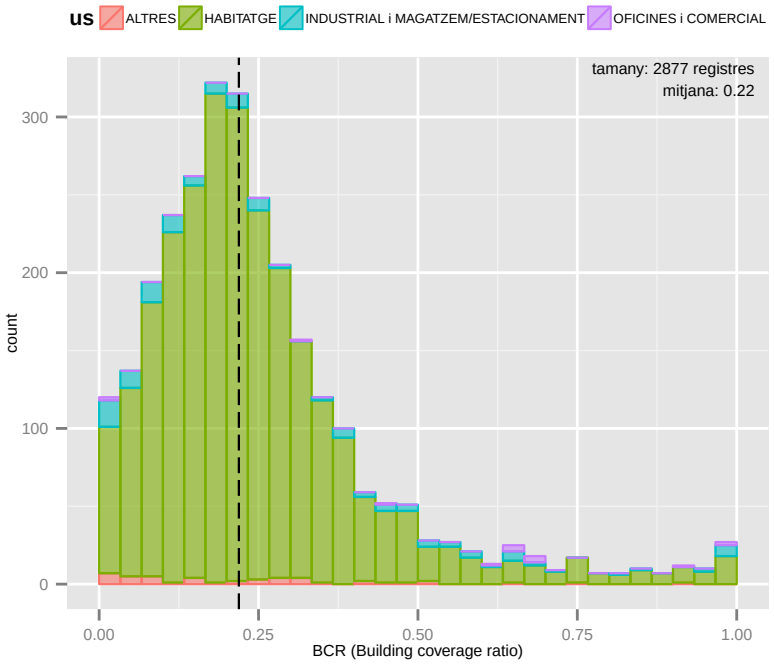


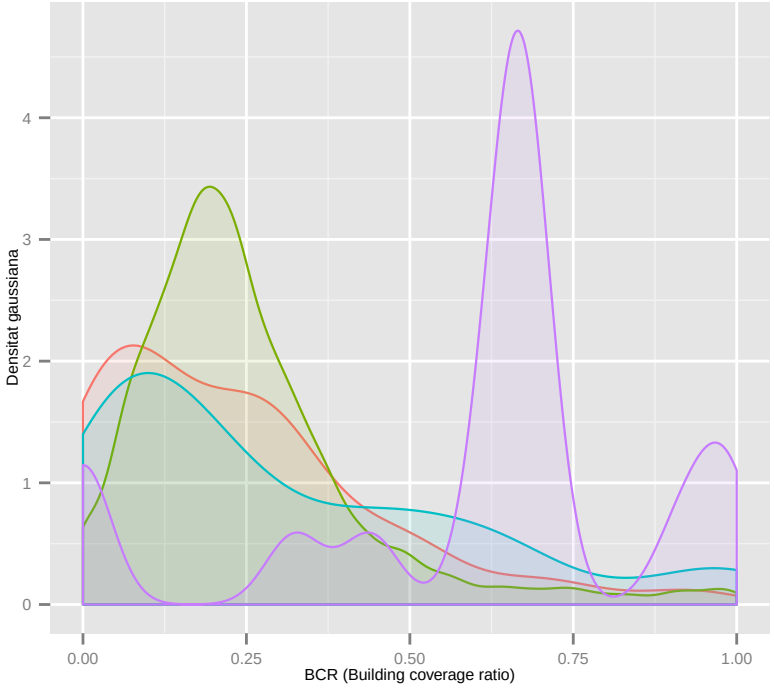


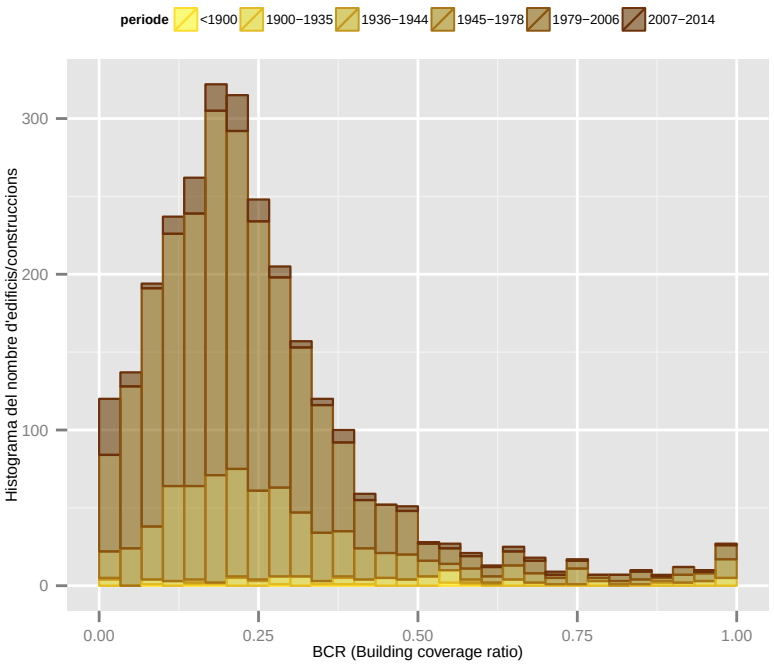


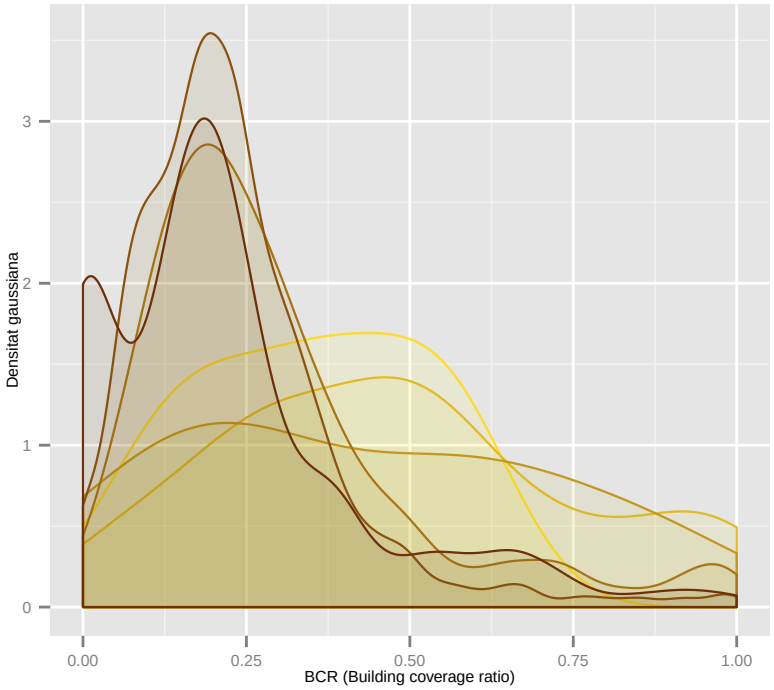
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

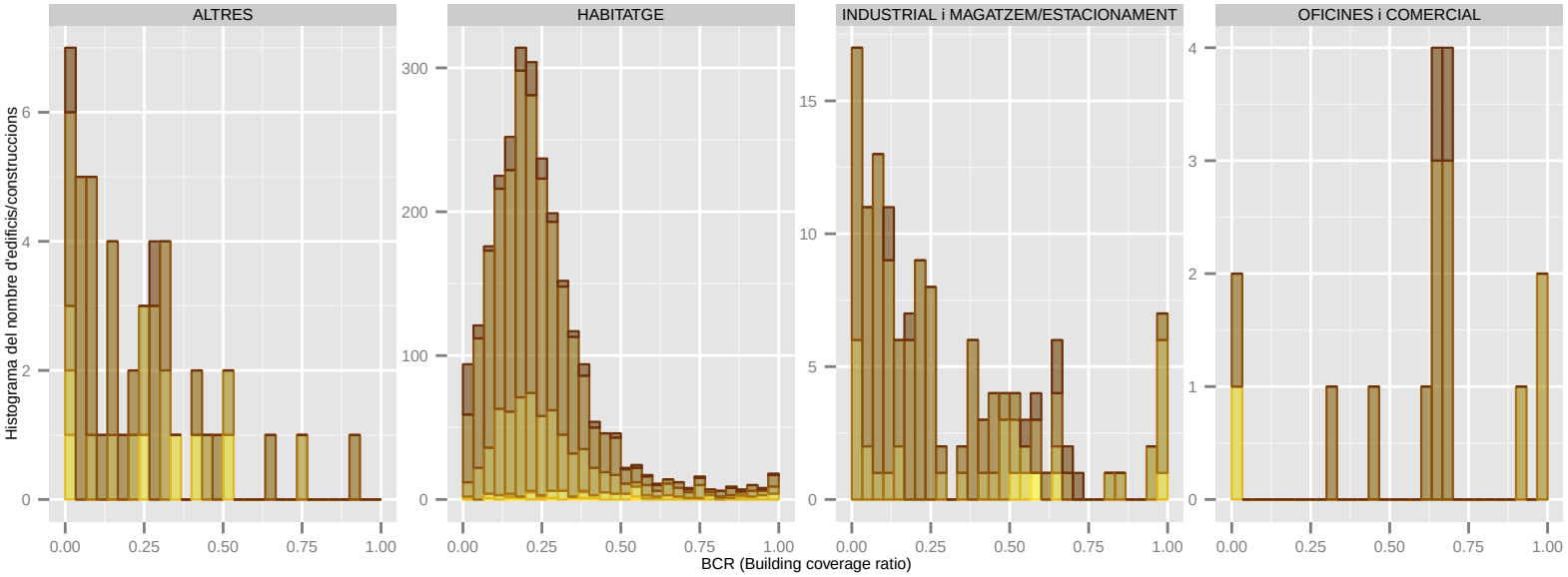
BCR (Building coverage ratio): CERVELLO





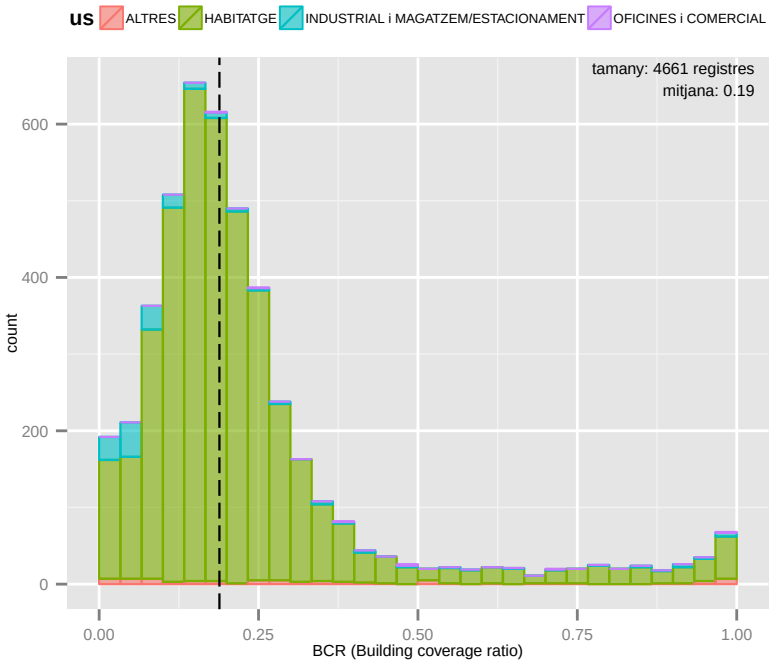


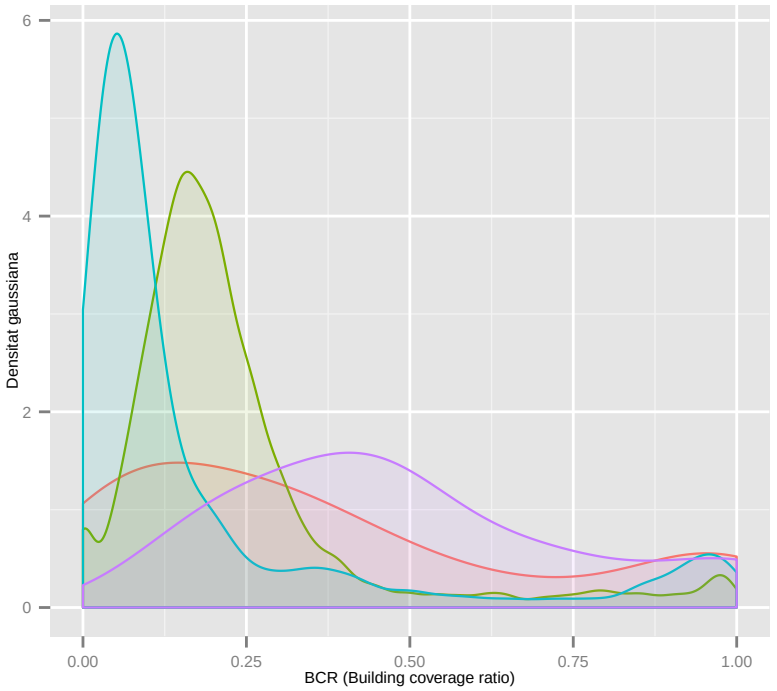


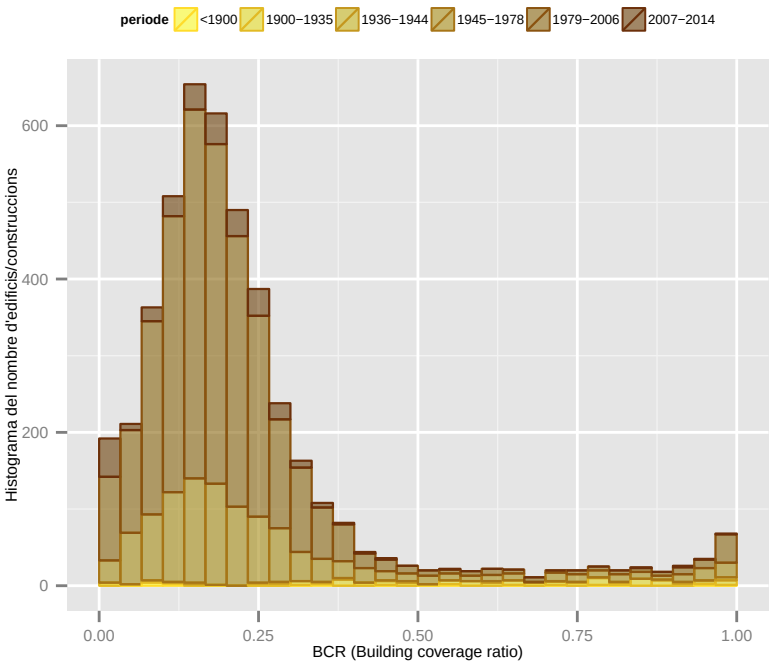


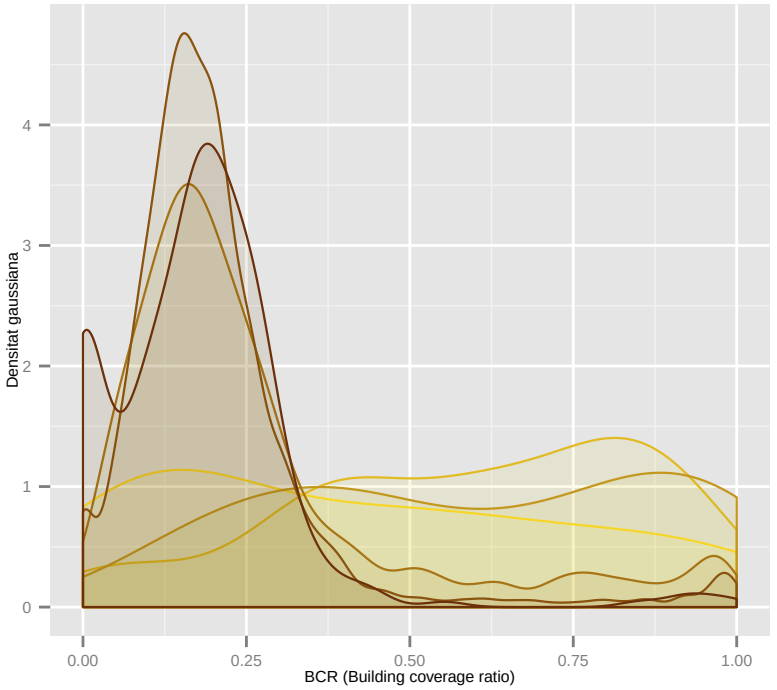
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

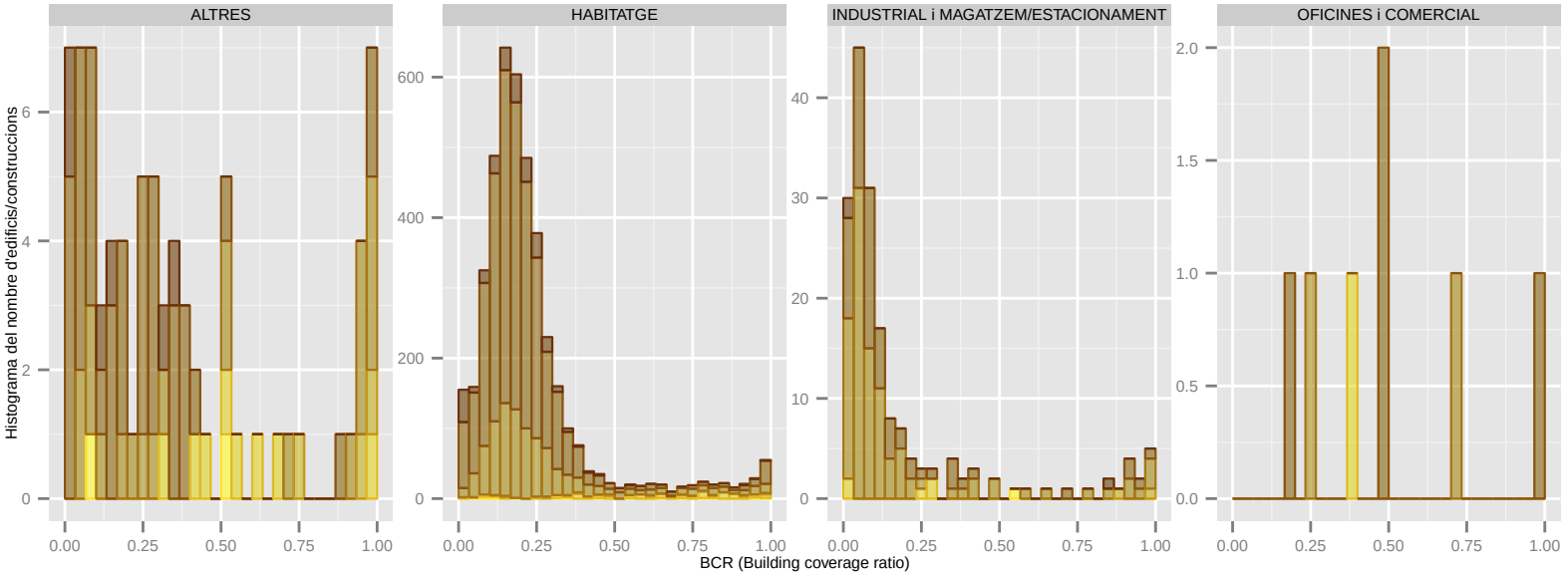
BCR (Building coverage ratio): CORBERA DE LLOBREGAT





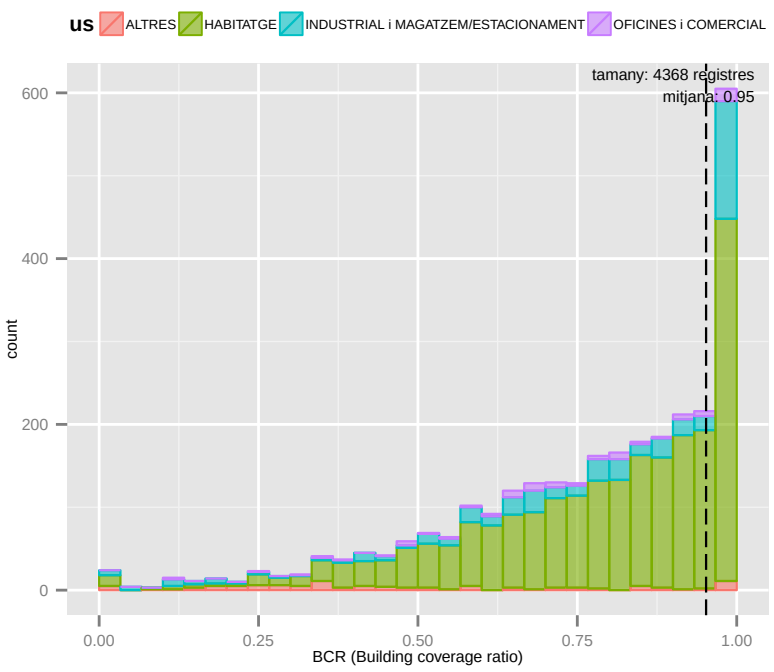


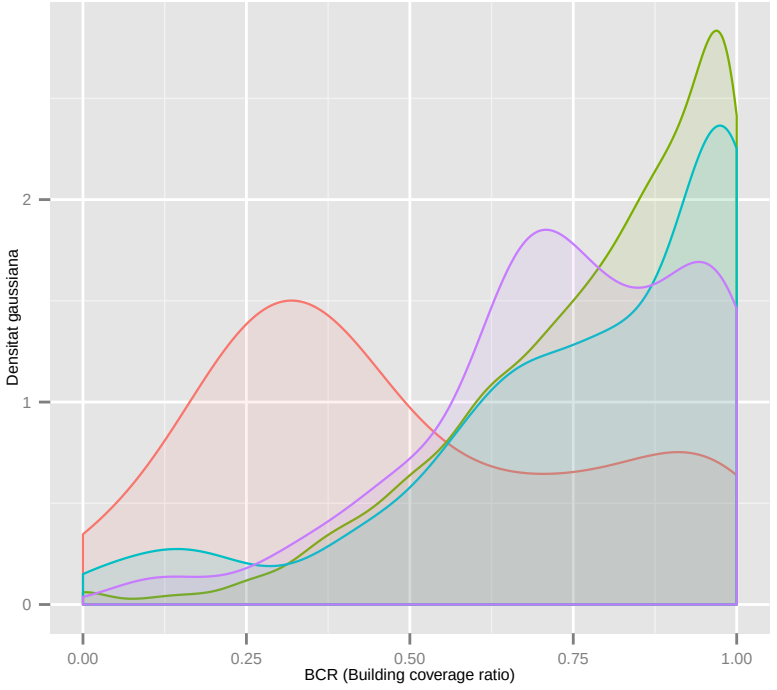


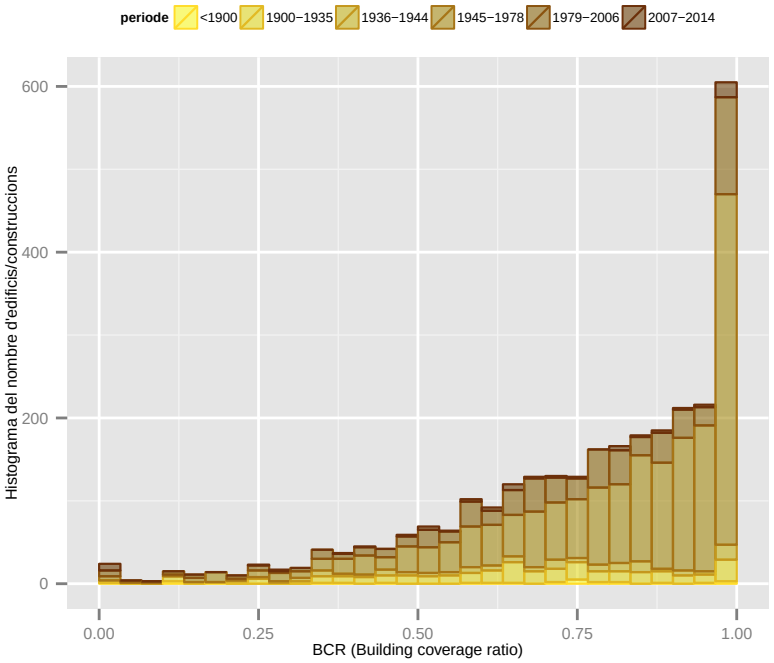


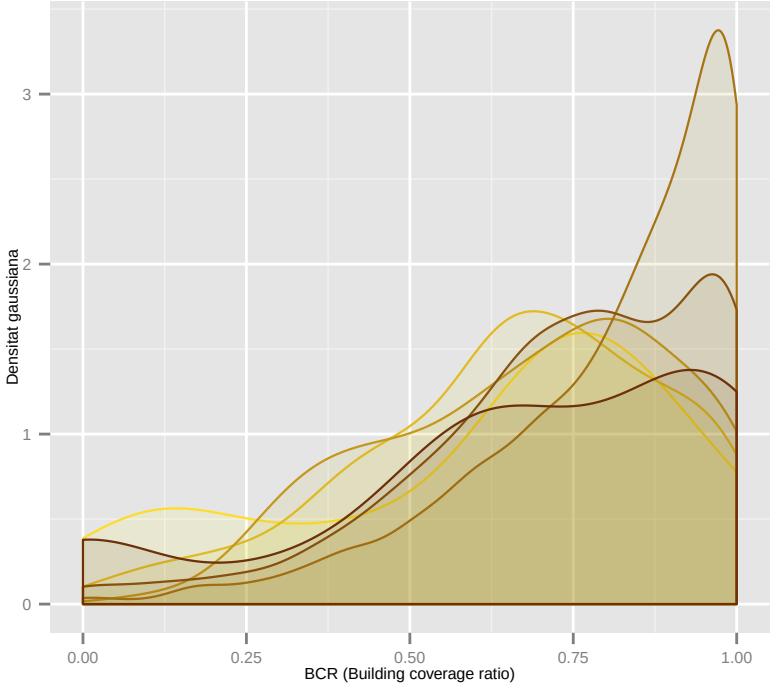
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

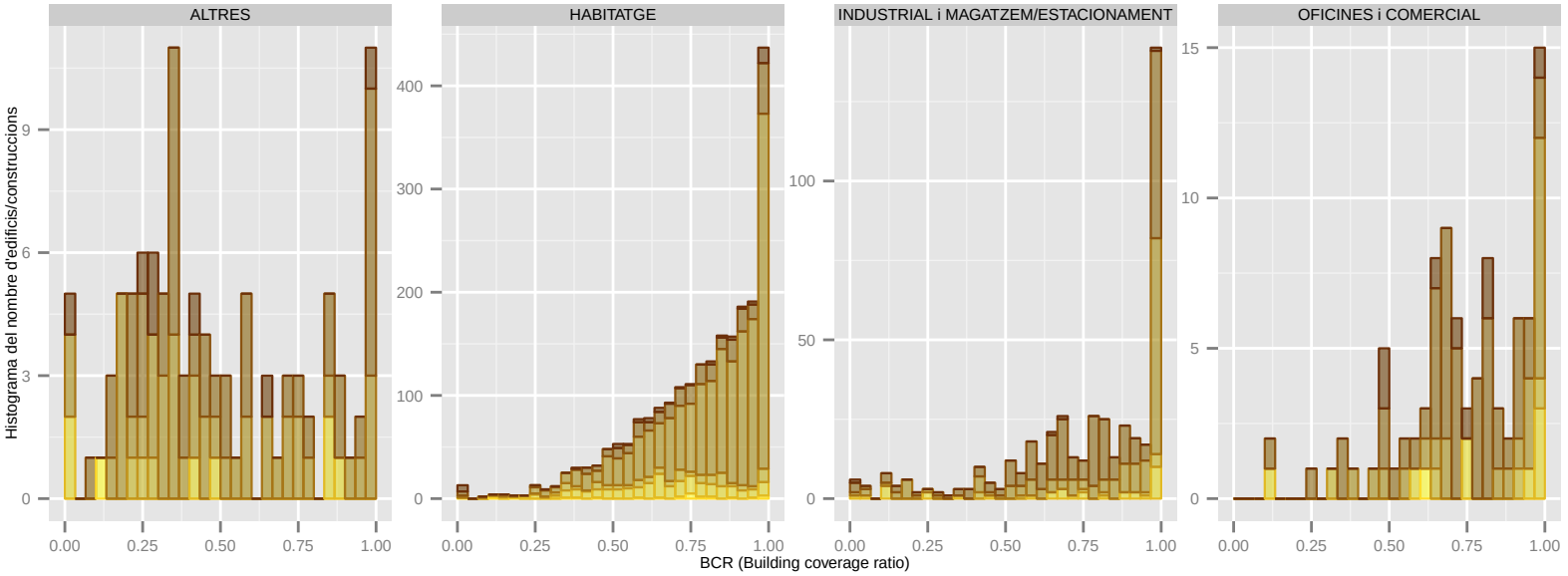
BCR (Building coverage ratio): CORNELLA DE LLOBREGAT





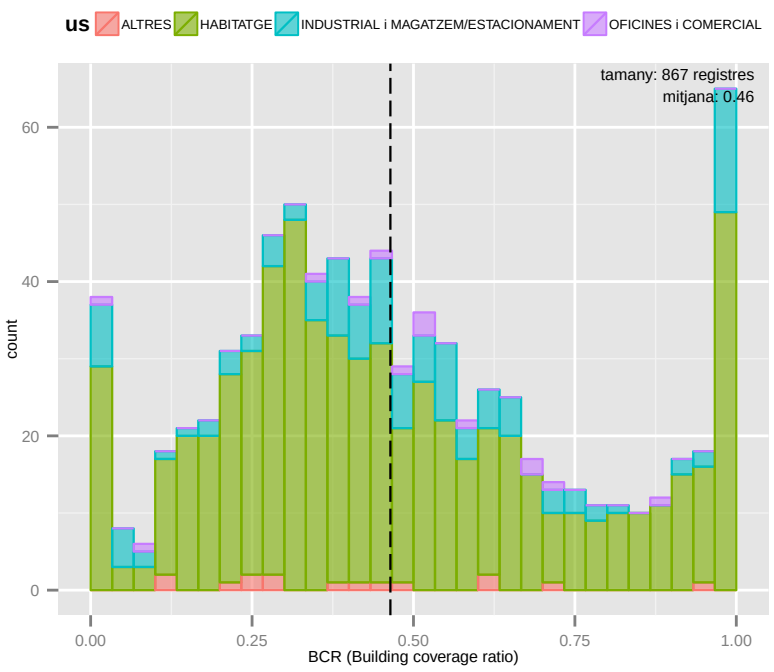


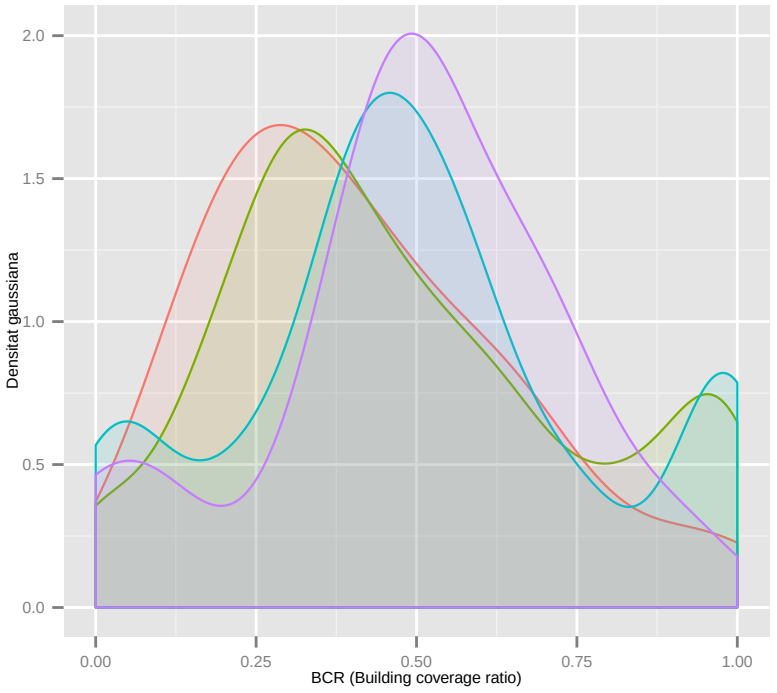


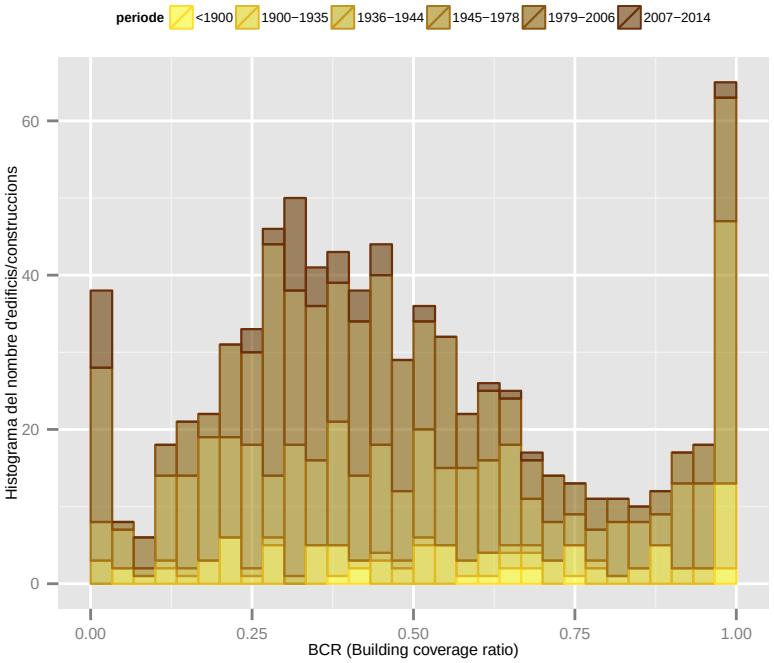


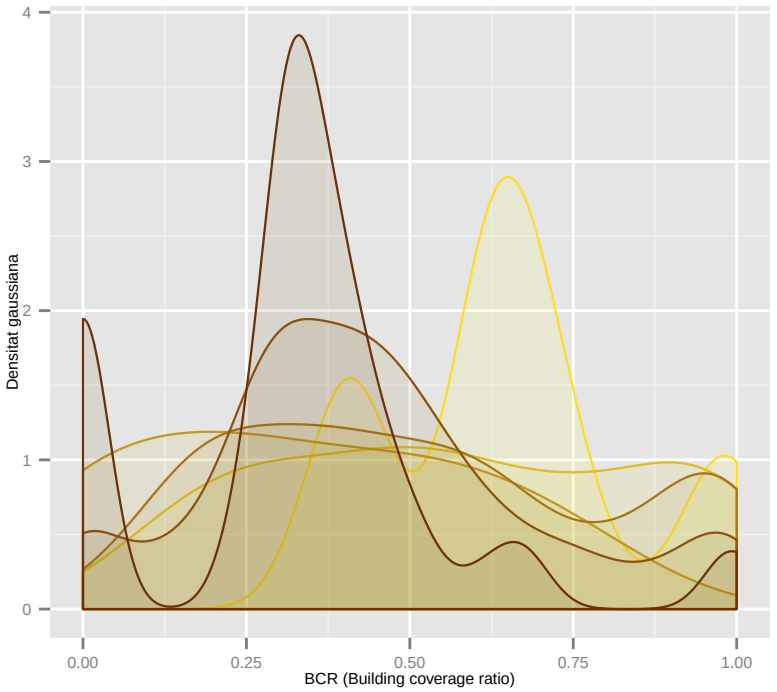
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

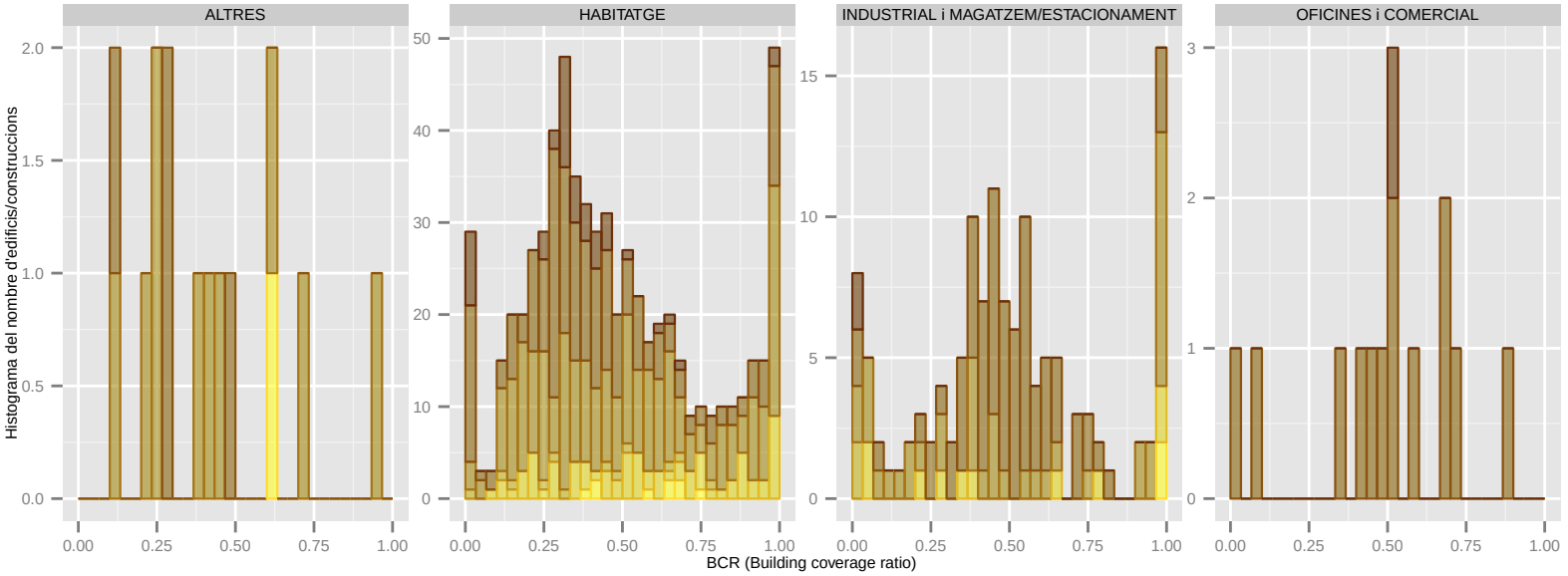
BCR (Building coverage ratio): EL PAPIOL





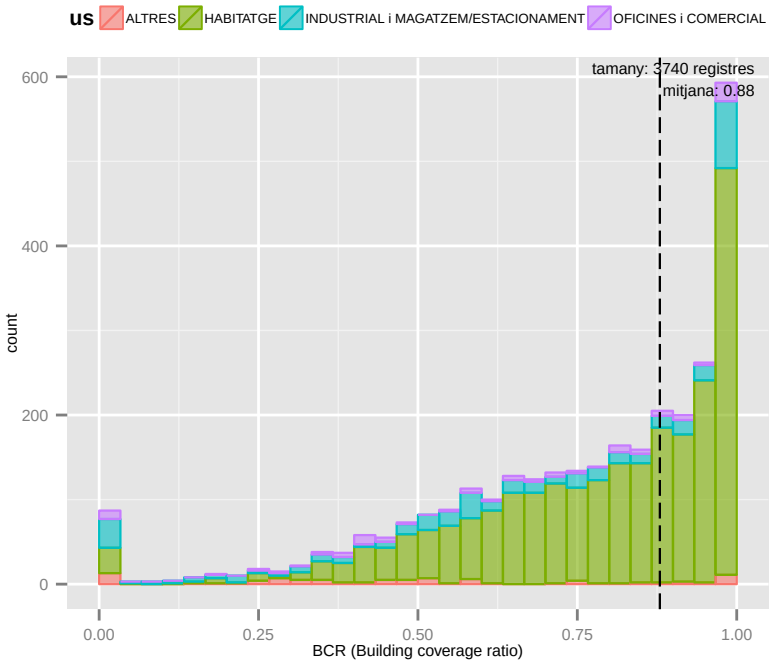


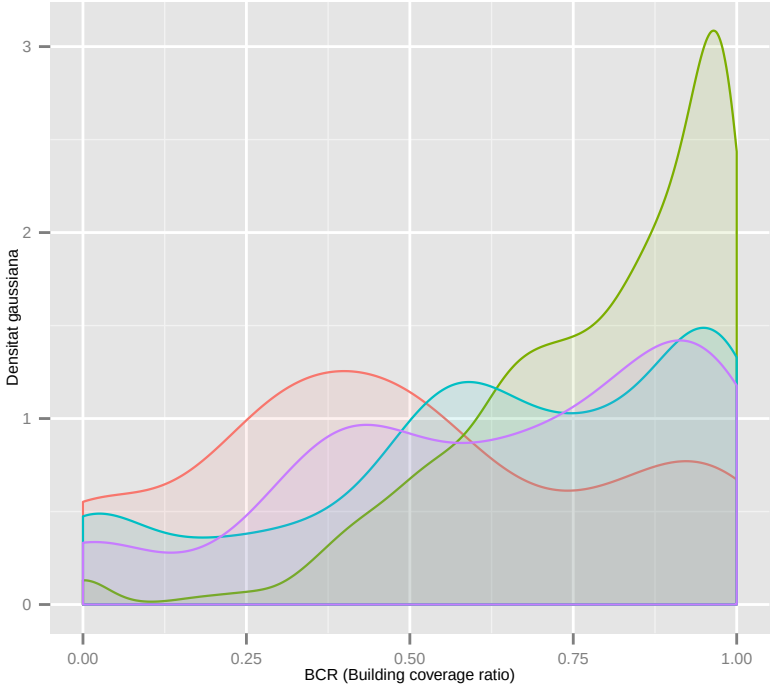


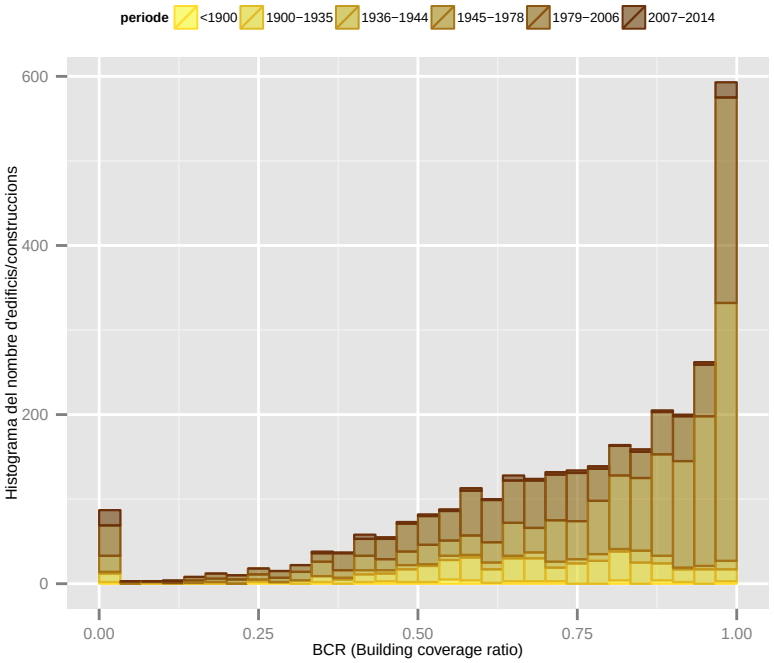


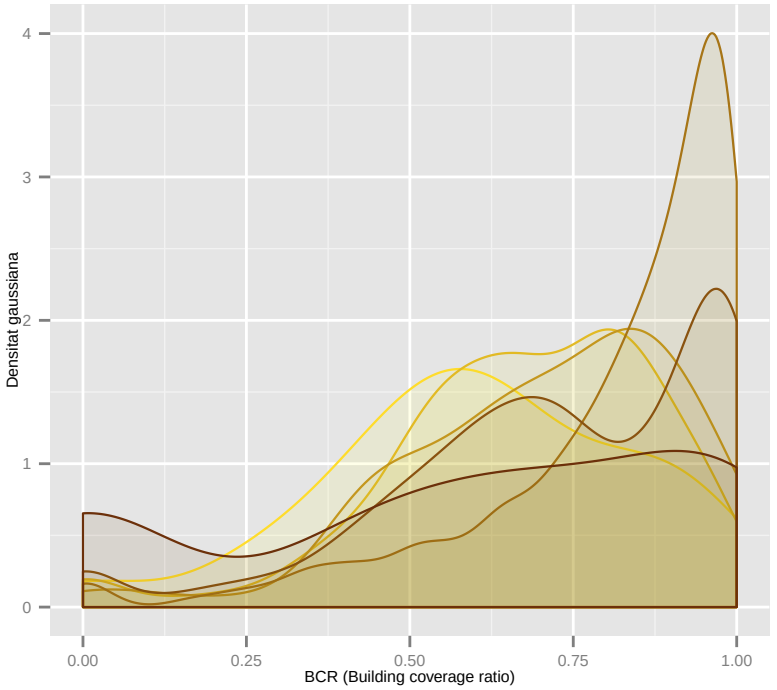
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

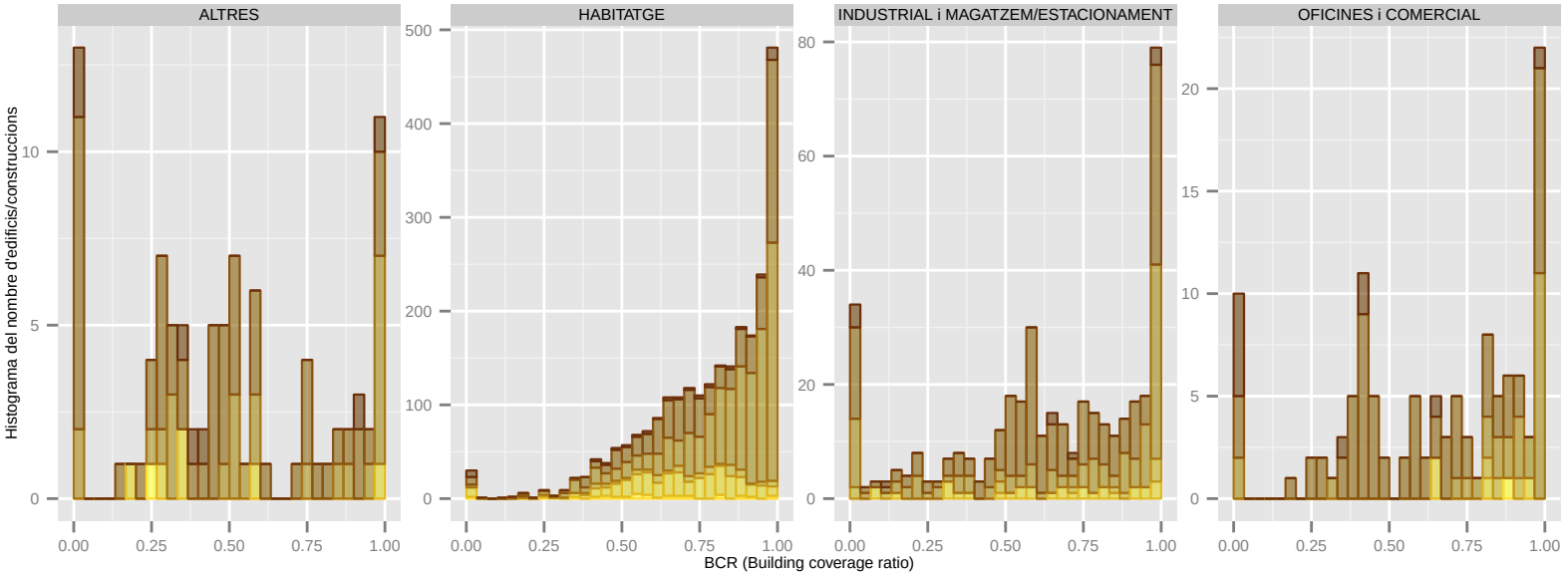
BCR (Building coverage ratio): EL PRAT DE LLOBREGAT





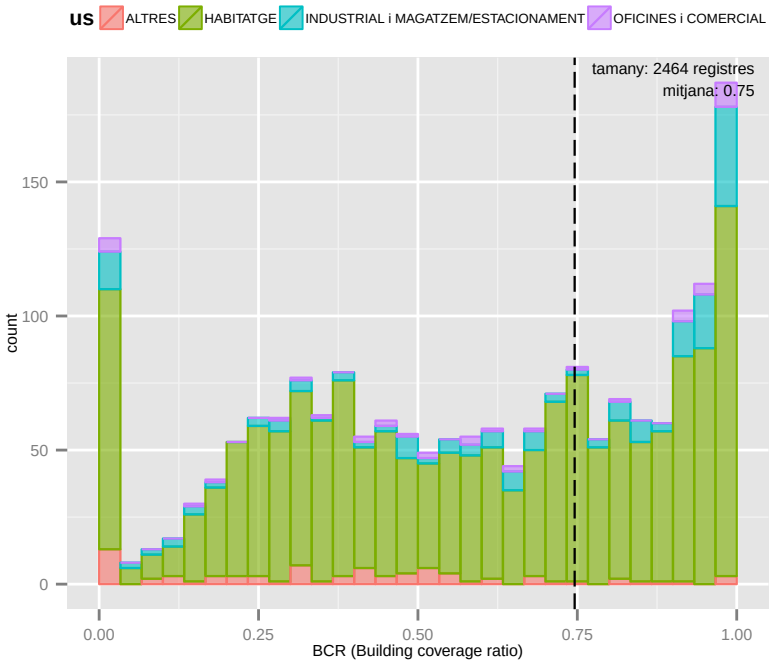


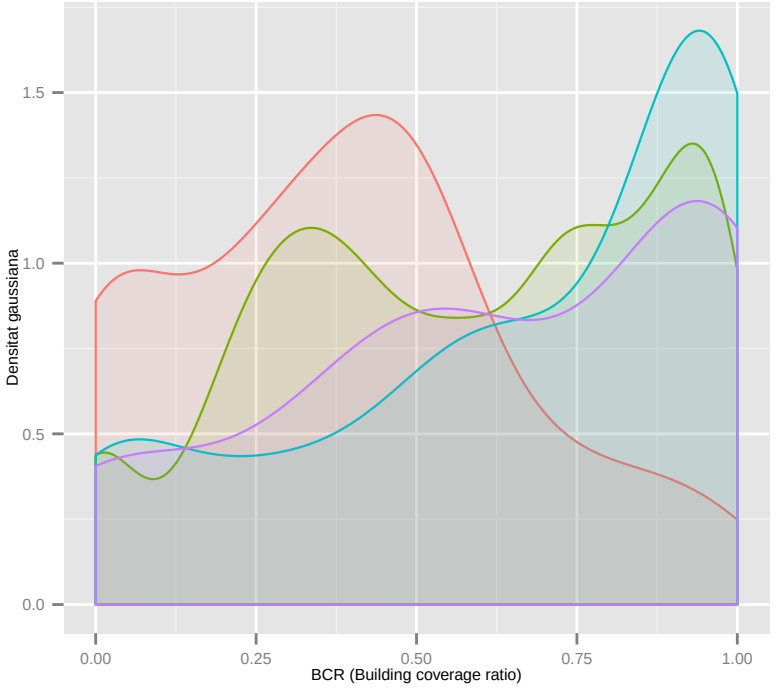


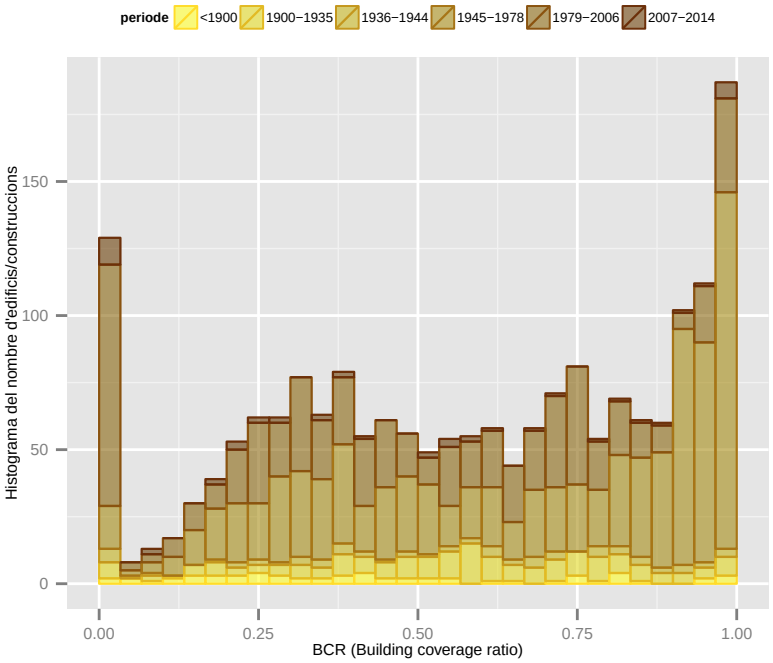


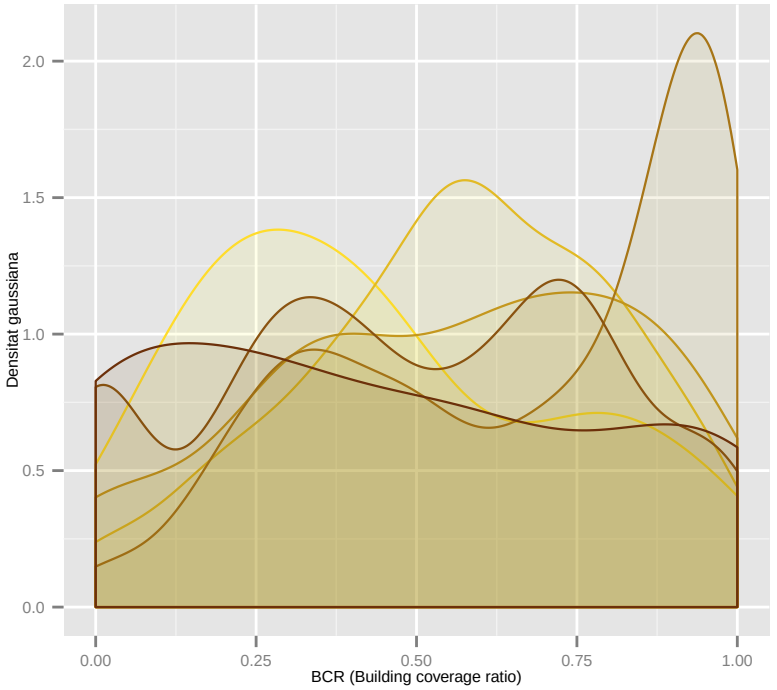
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

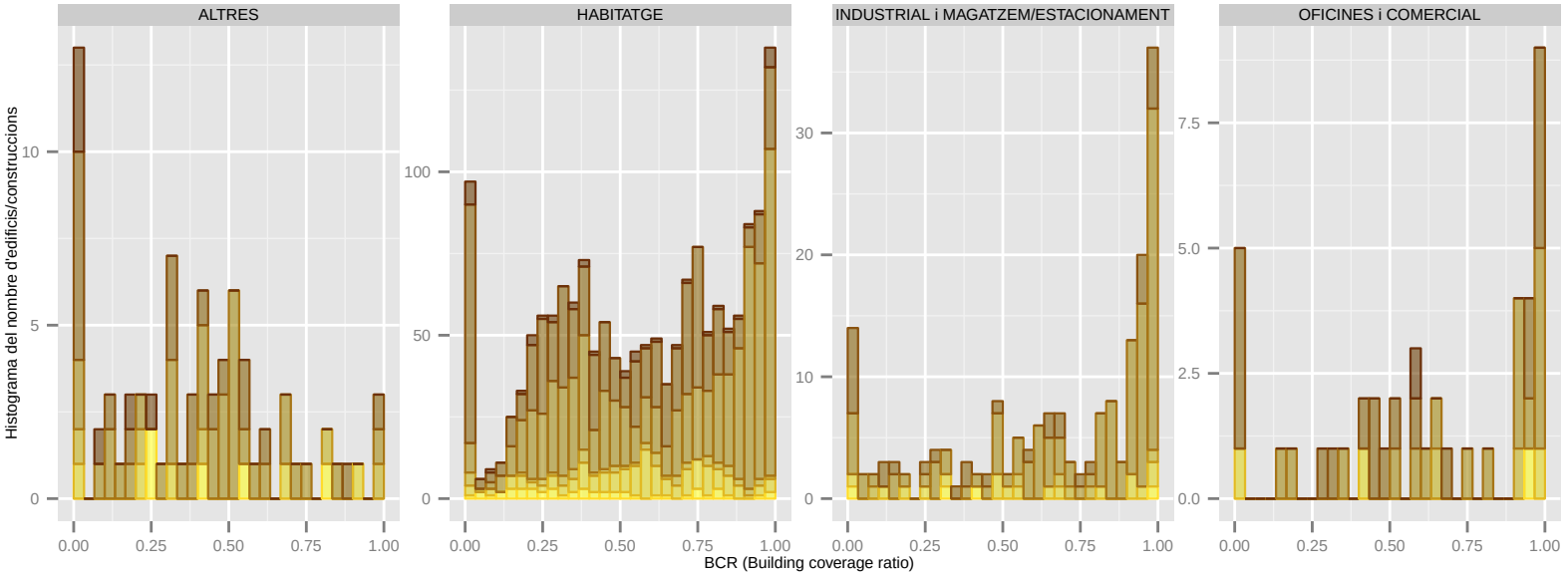
BCR (Building coverage ratio): ESPLUGUES DE LLOBREGAT





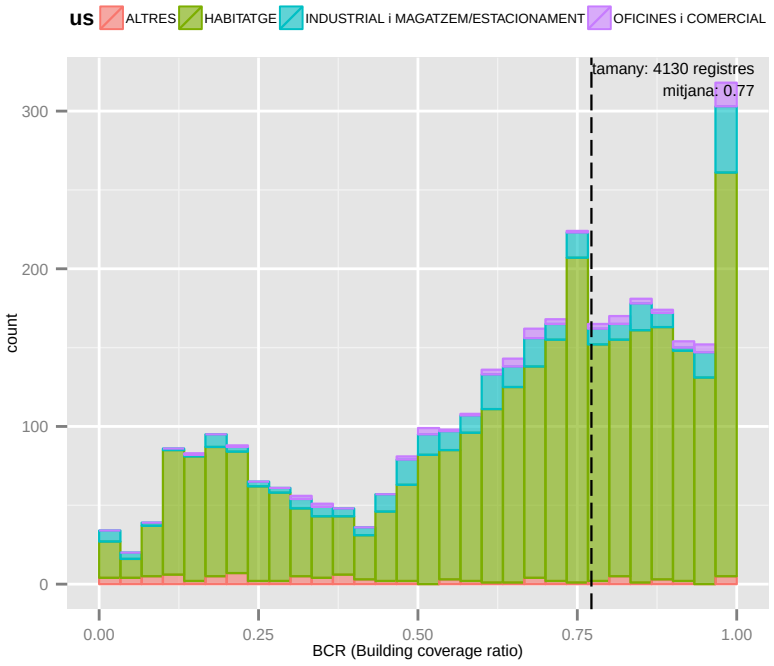


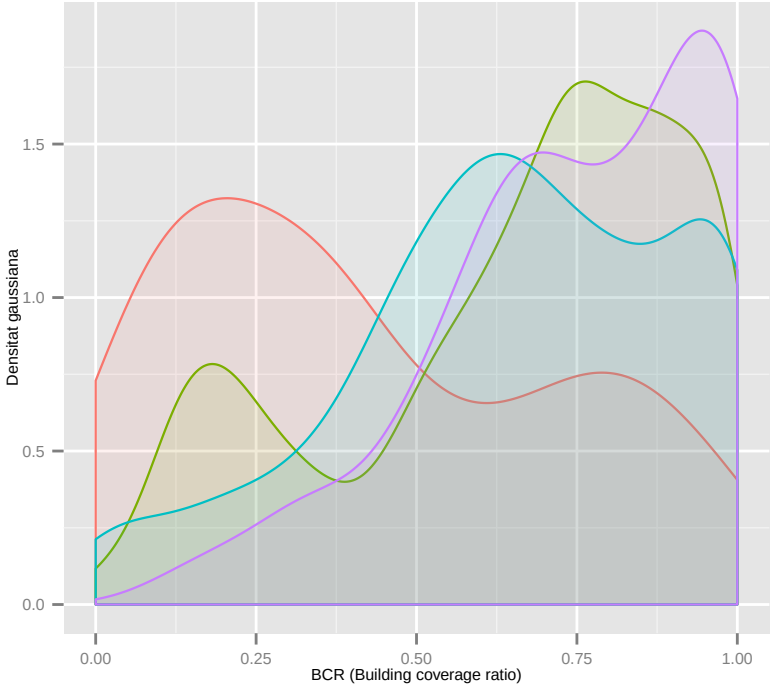


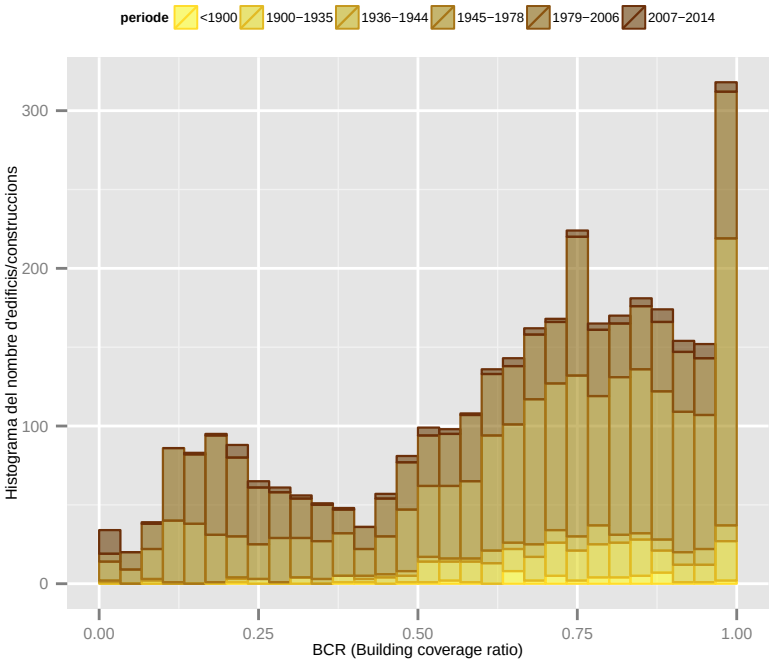


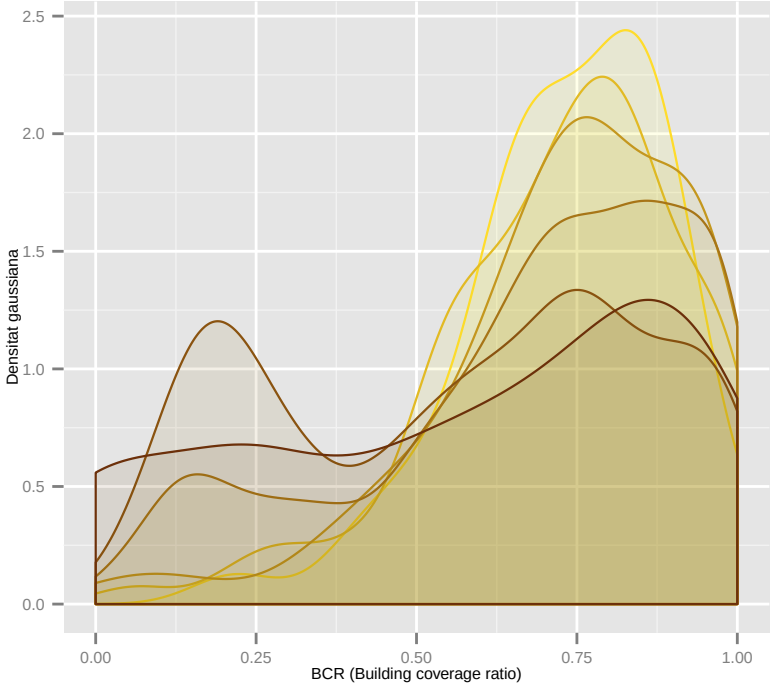
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

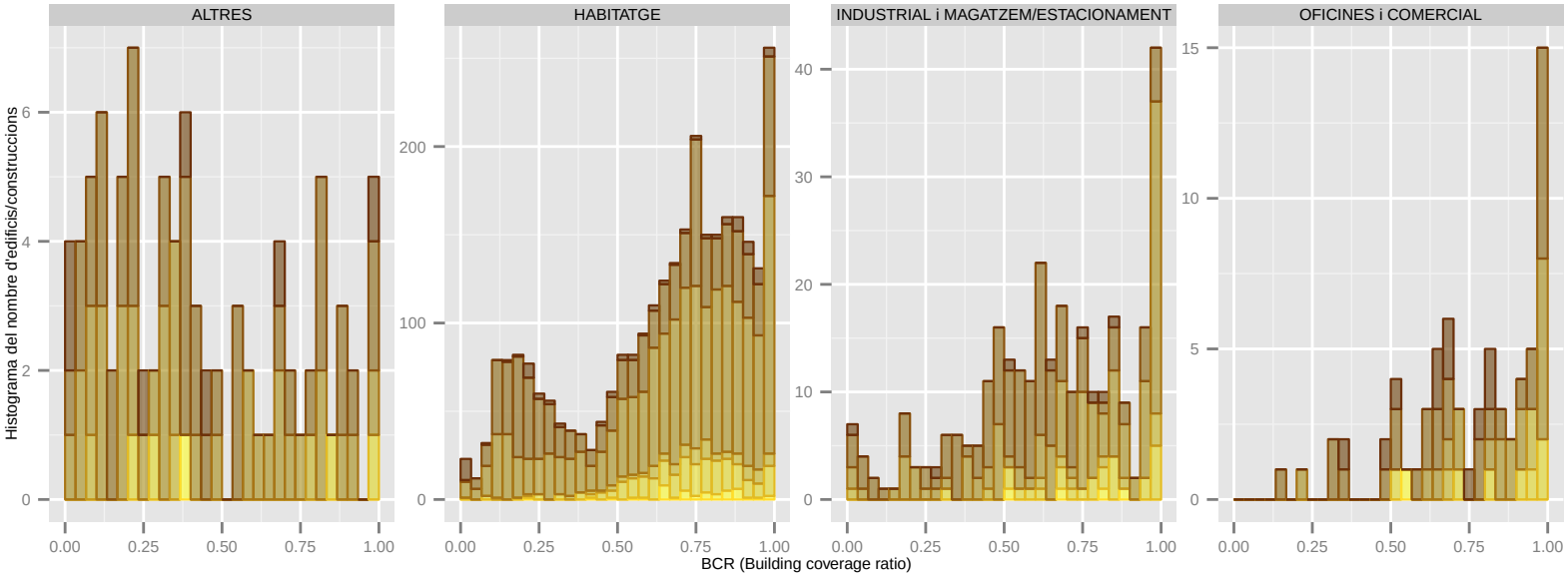
BCR (Building coverage ratio): GAVA





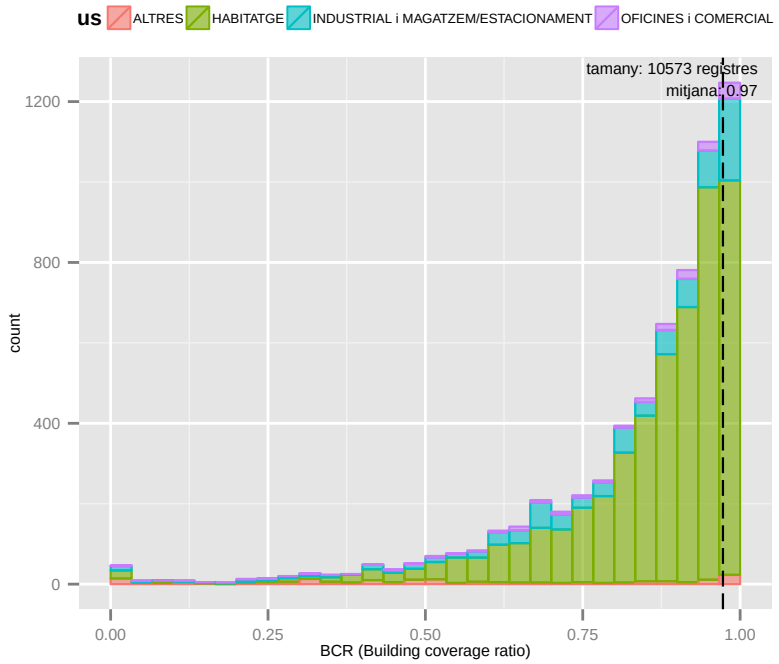


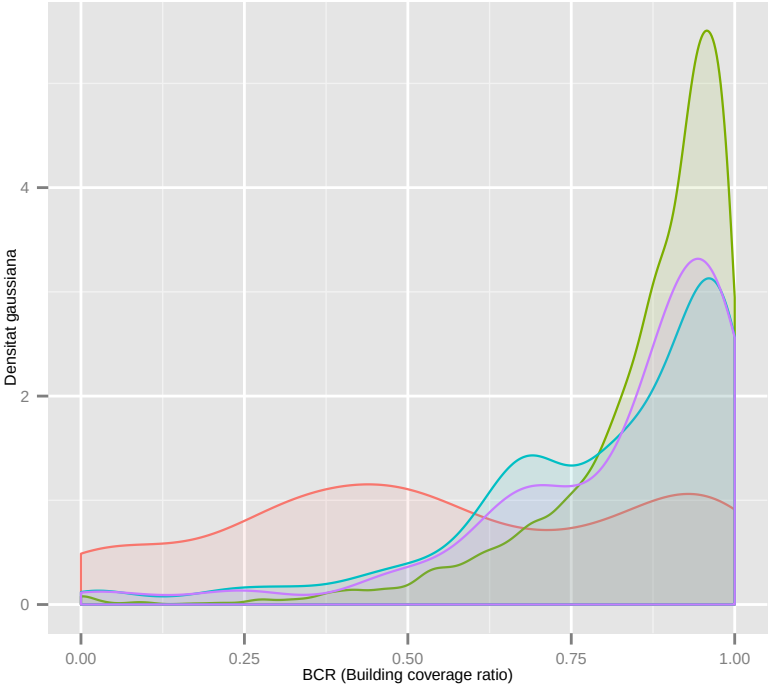


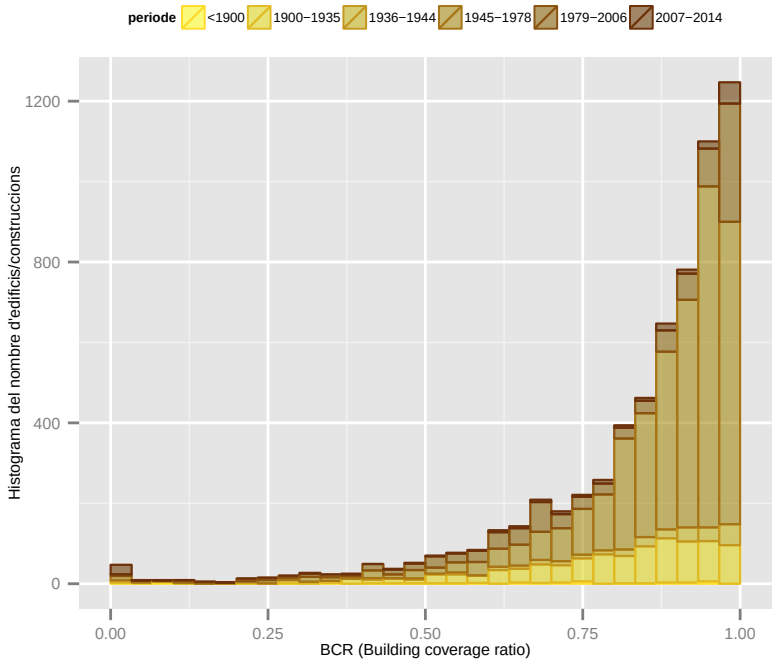


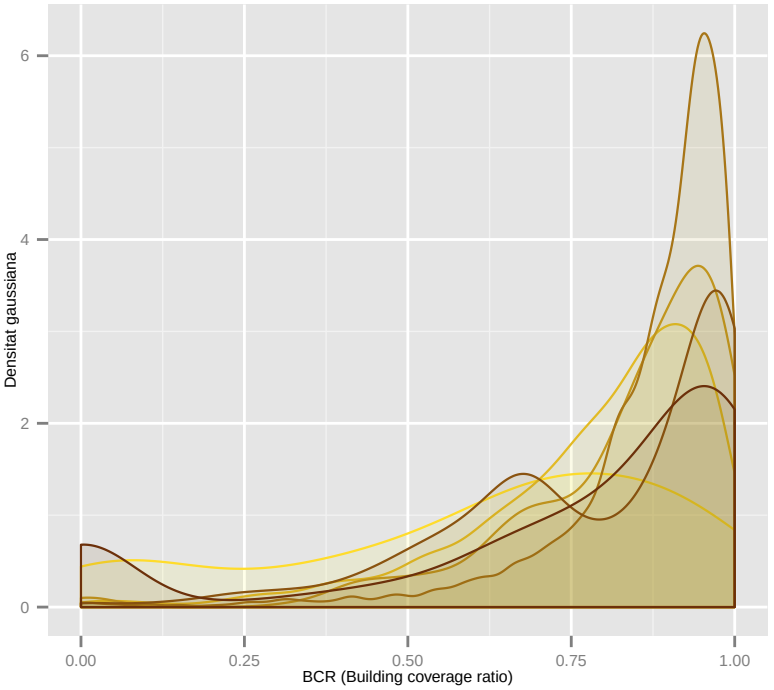
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

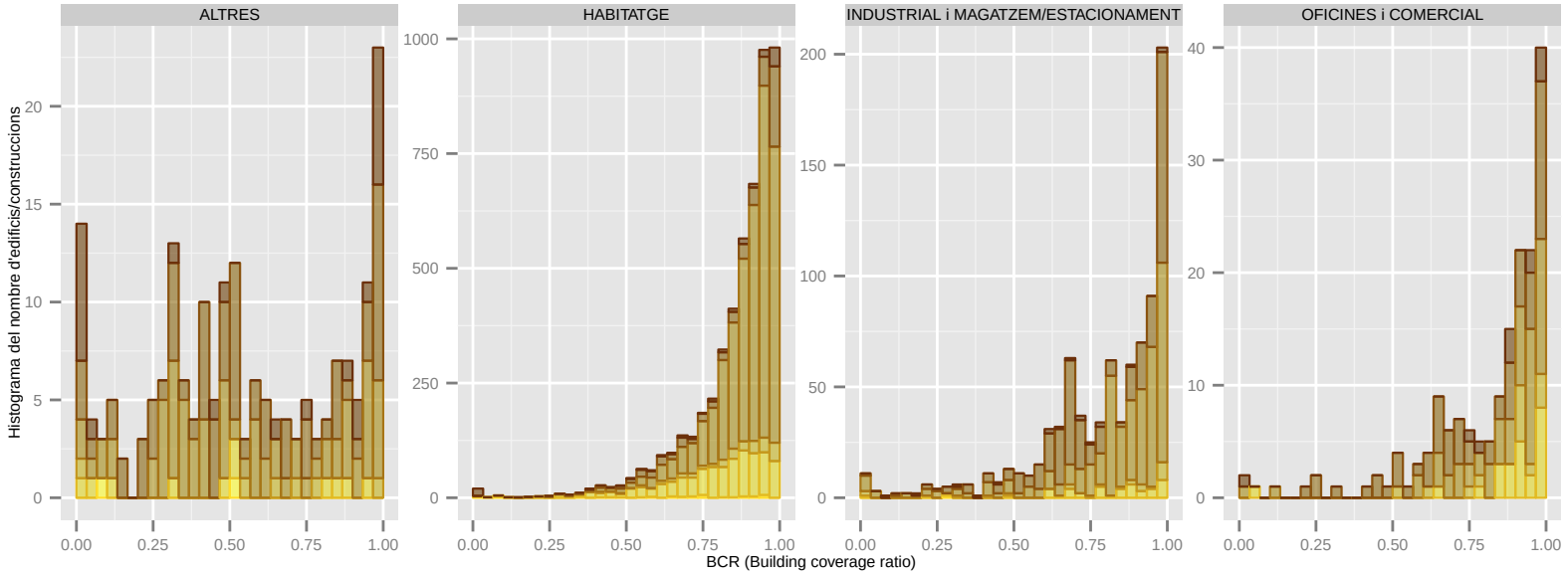
BCR (Building coverage ratio): L'HOSPITALET DE LLOBREGAT





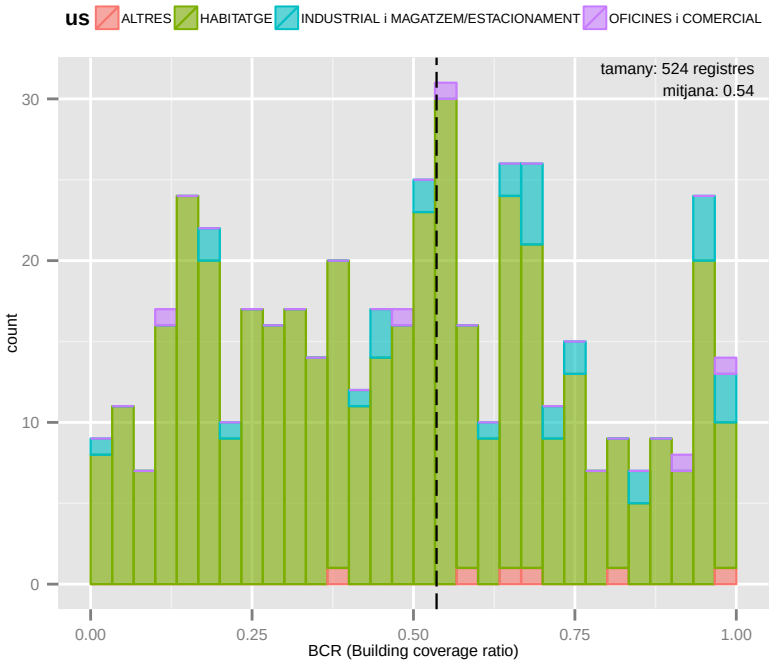


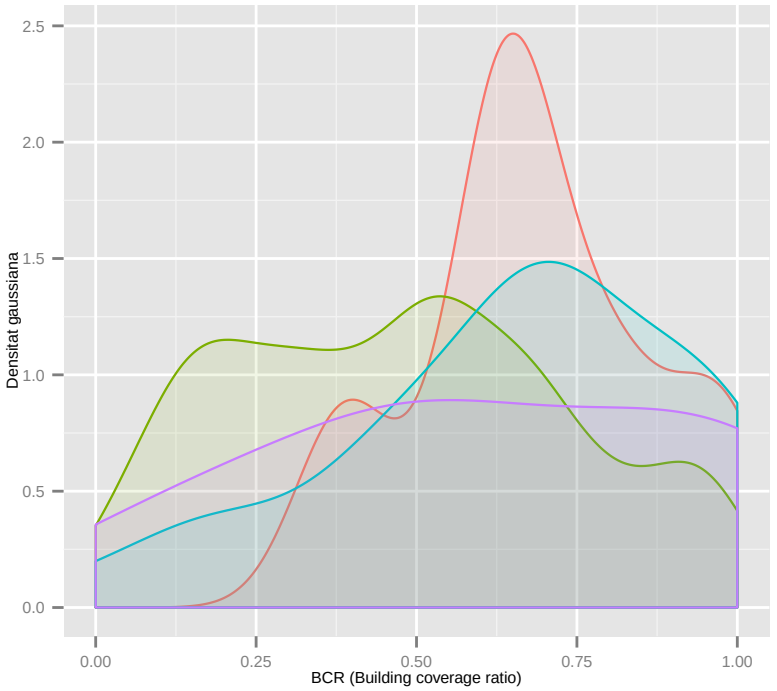


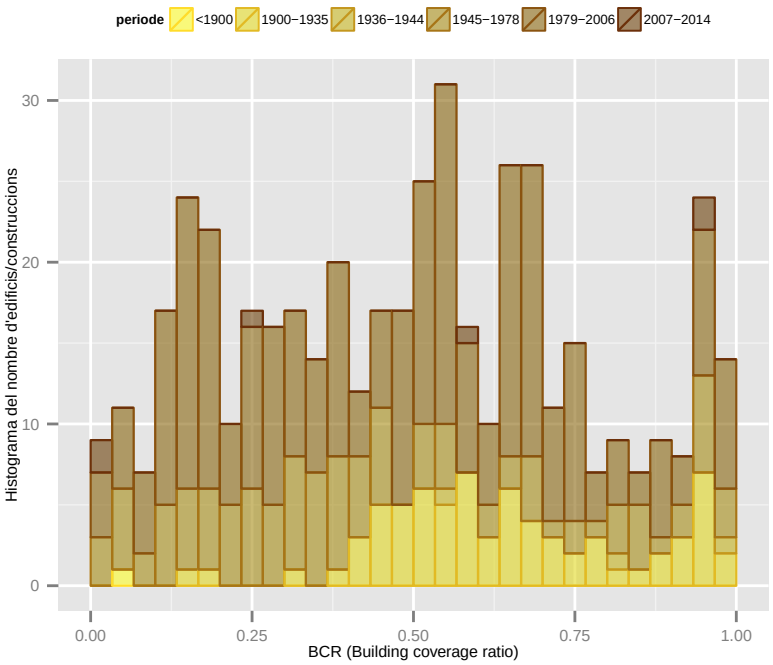


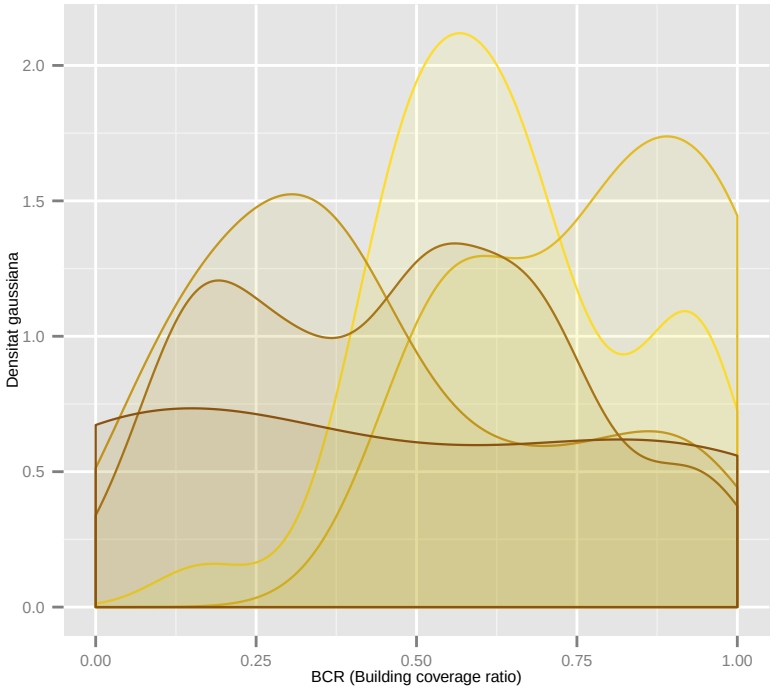
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

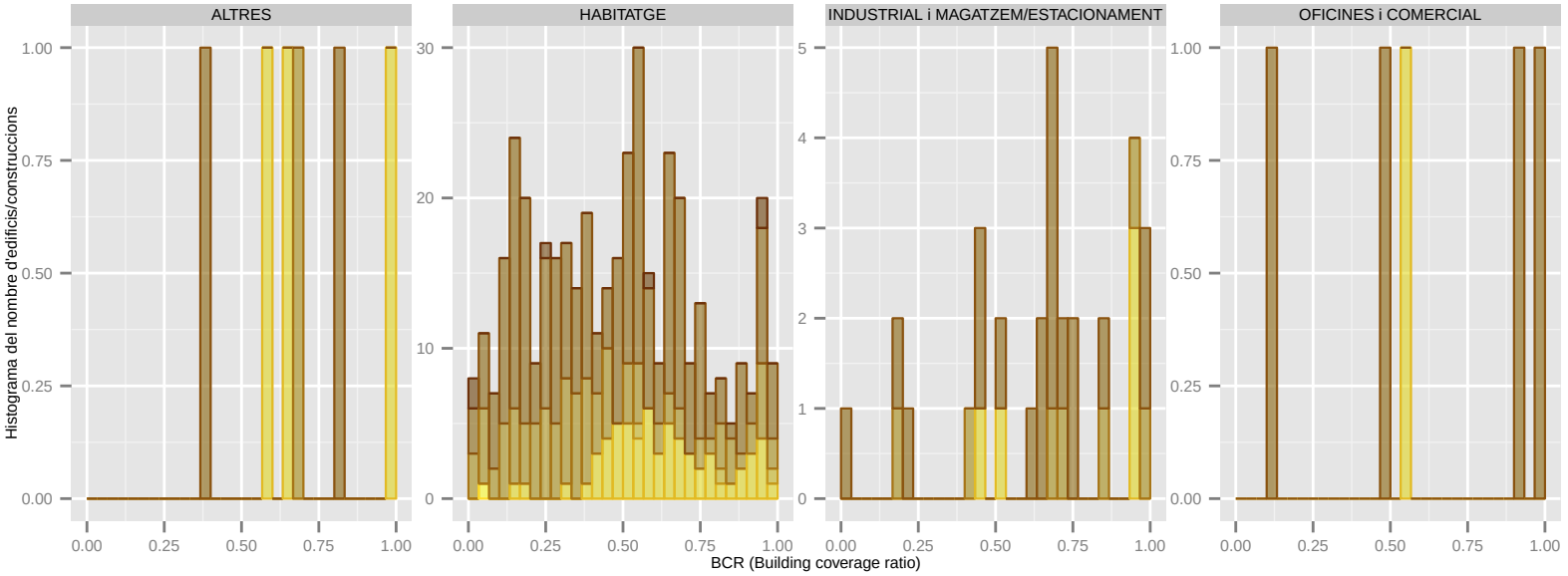
BCR (Building coverage ratio): LA PALMA DE CERVELLO





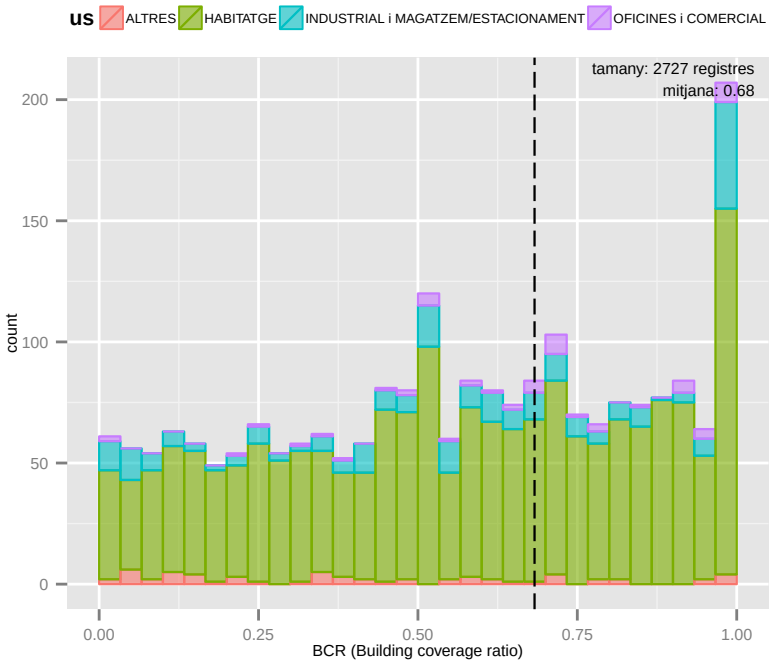


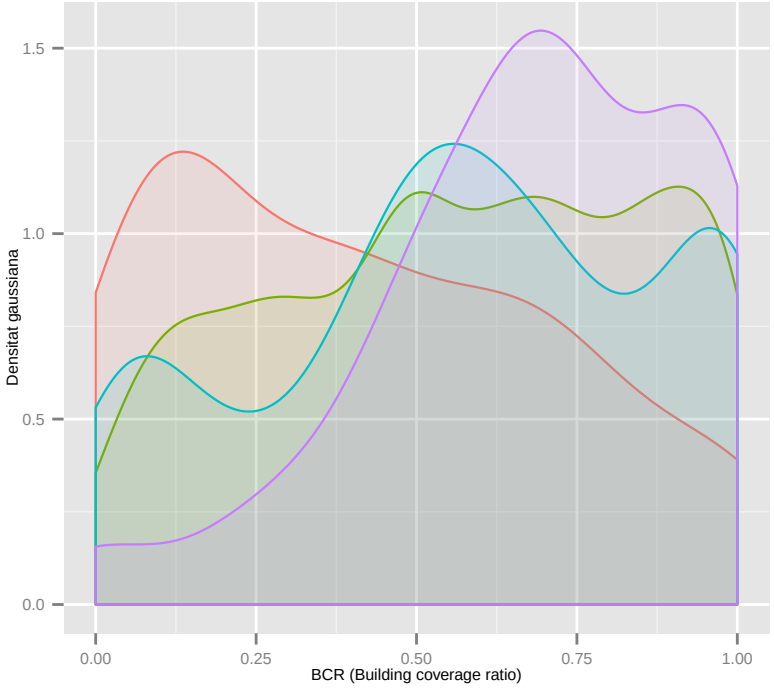


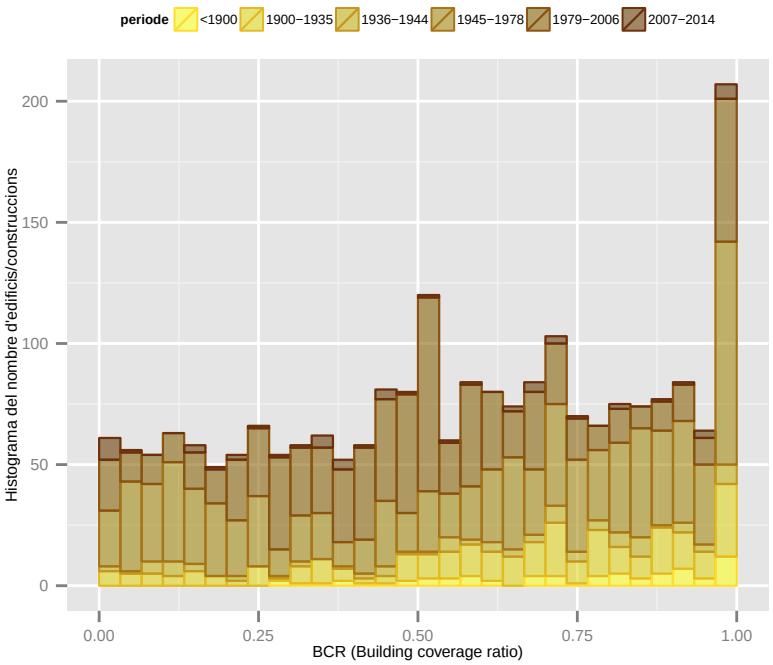


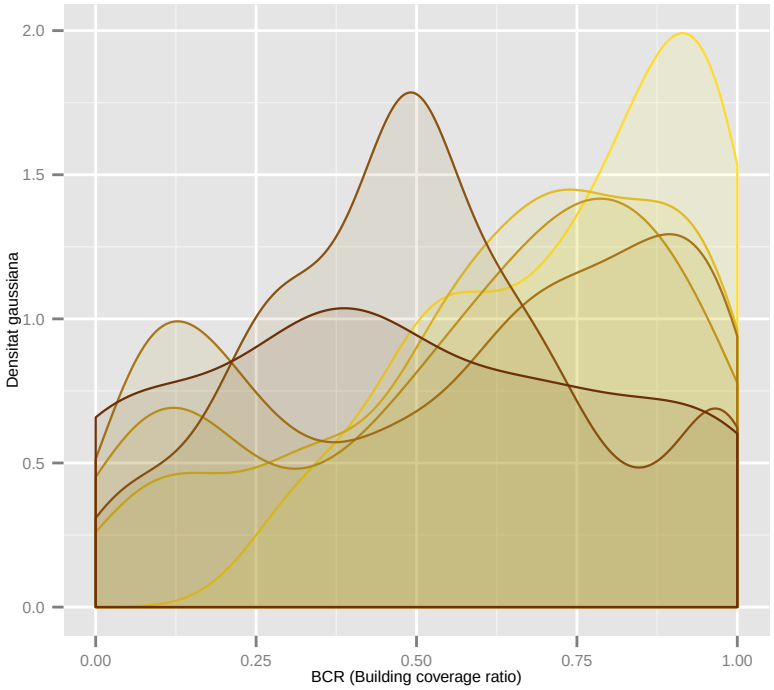
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

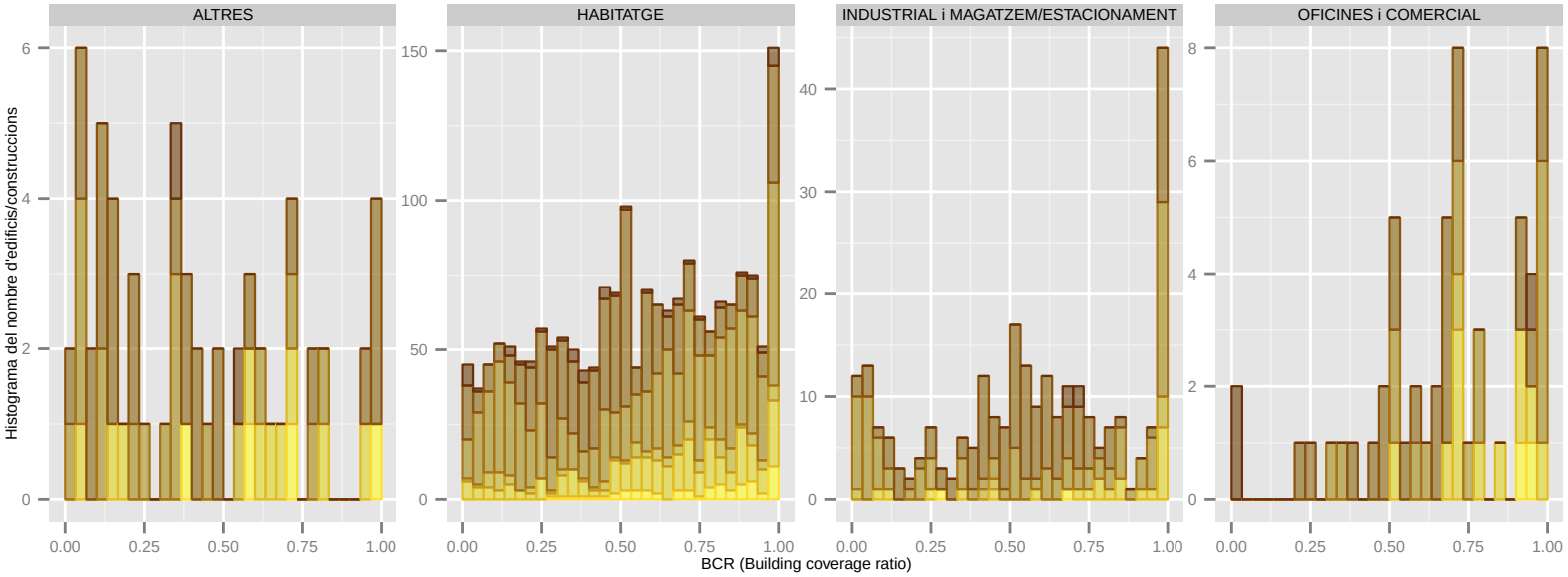
BCR (Building coverage ratio): MOLINS DE REI





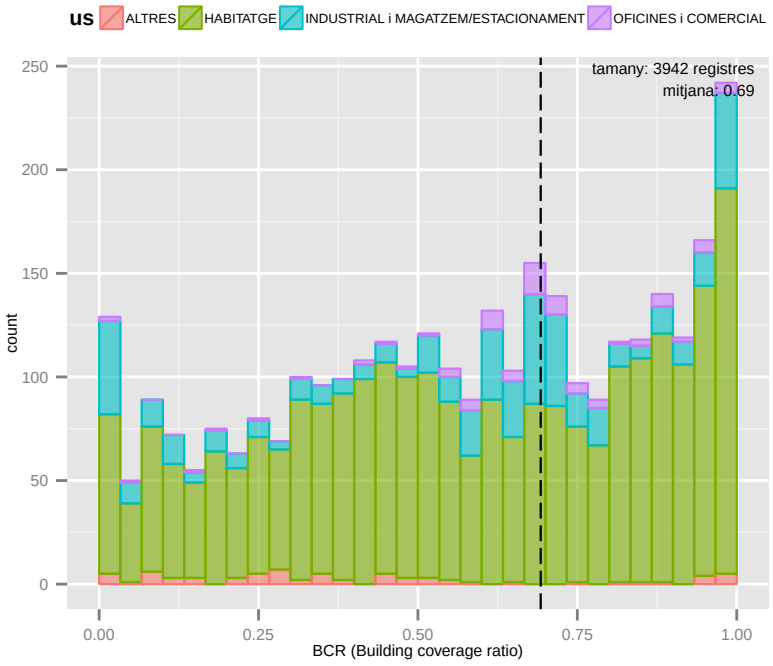


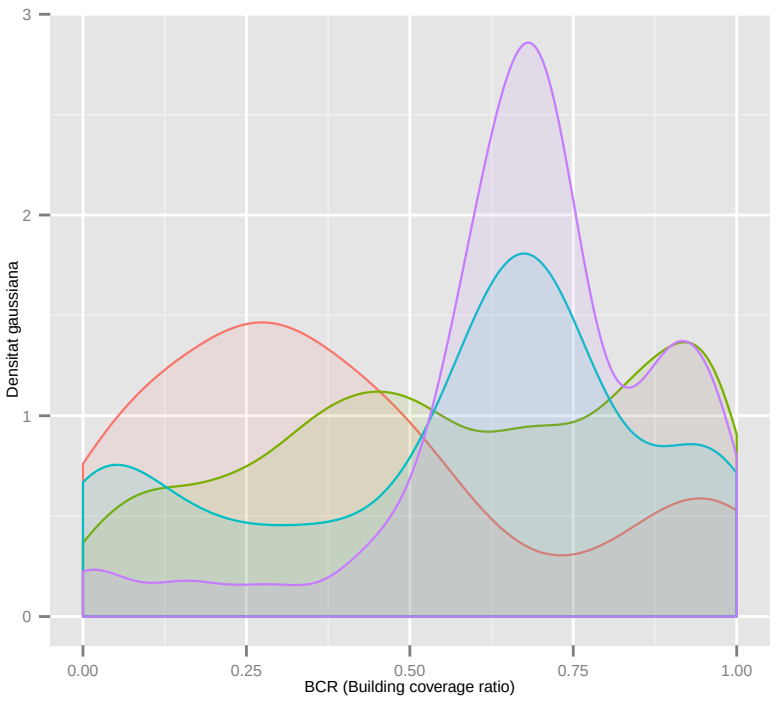


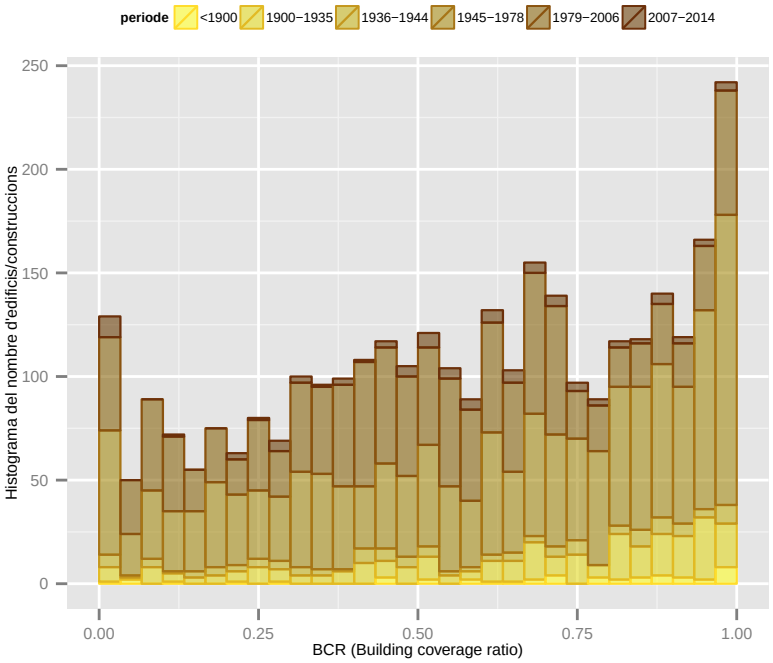


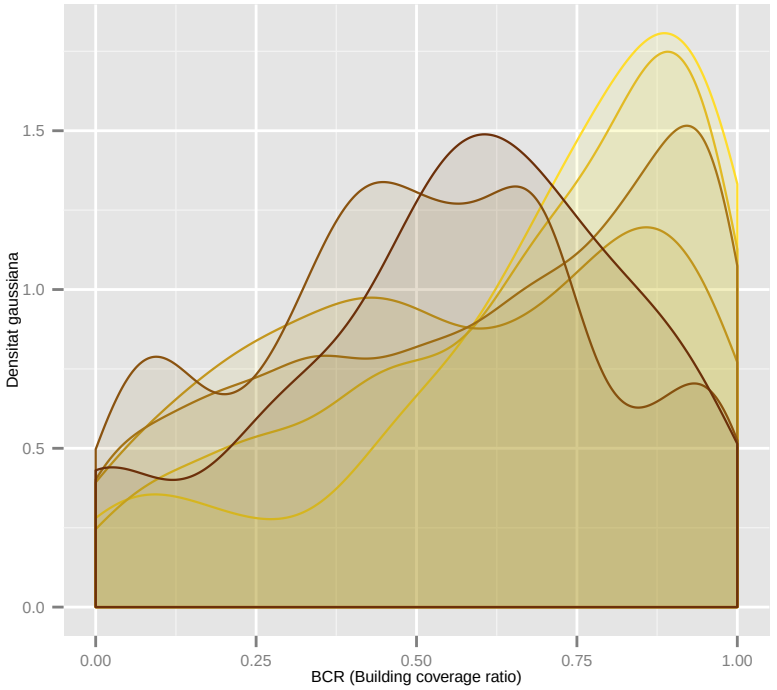
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

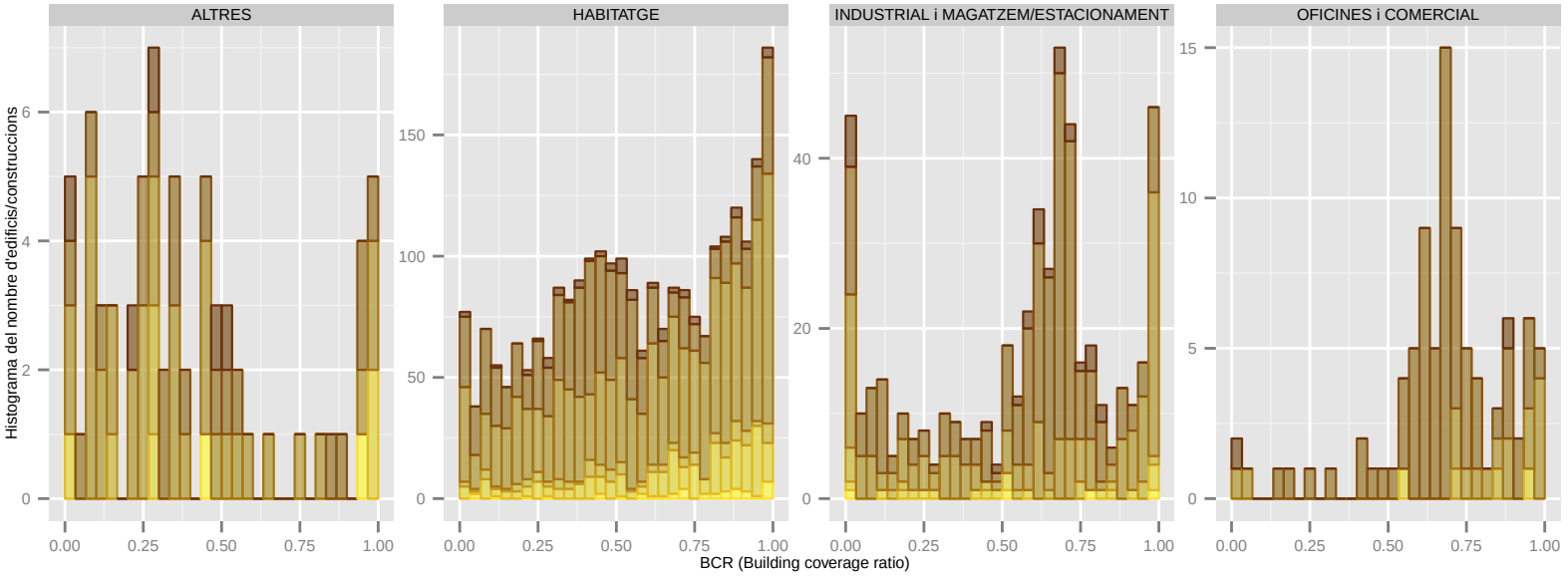
BCR (Building coverage ratio): MONTCADA I REIXAC





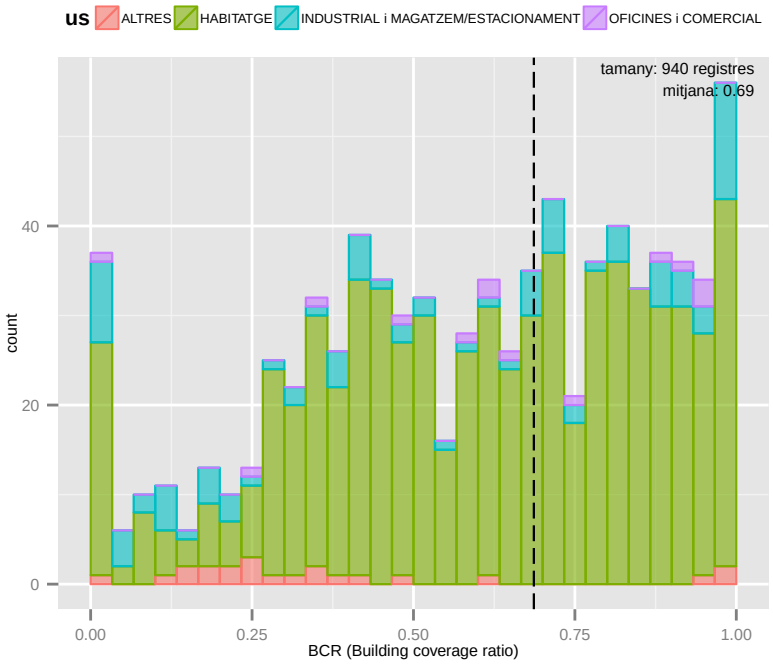


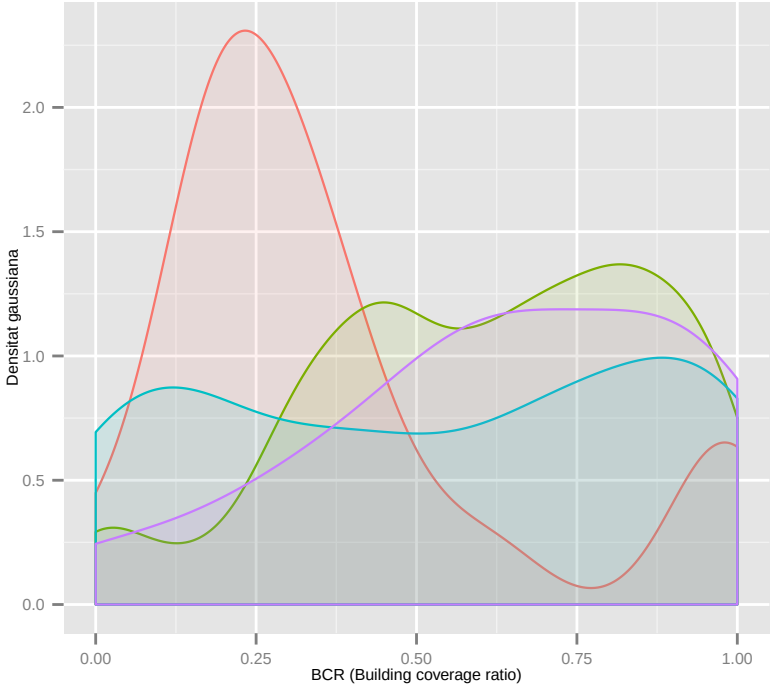


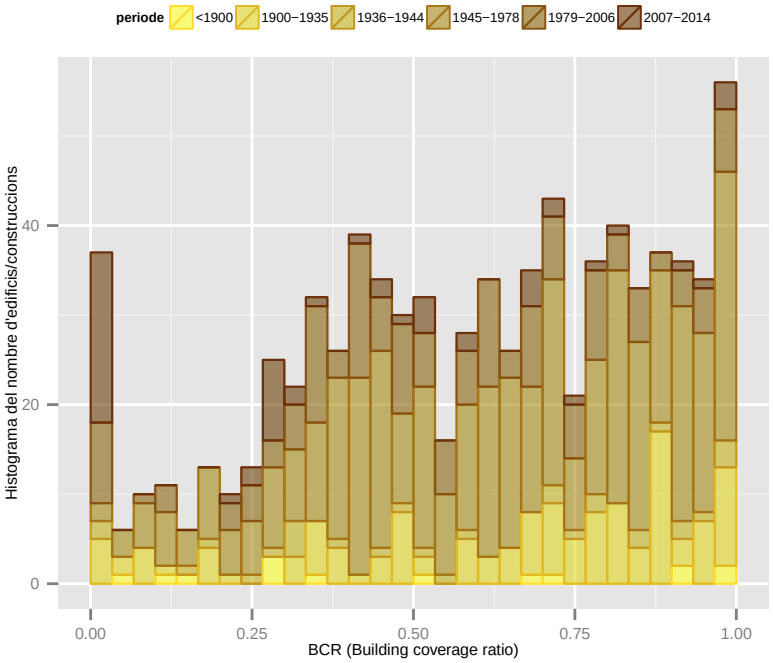


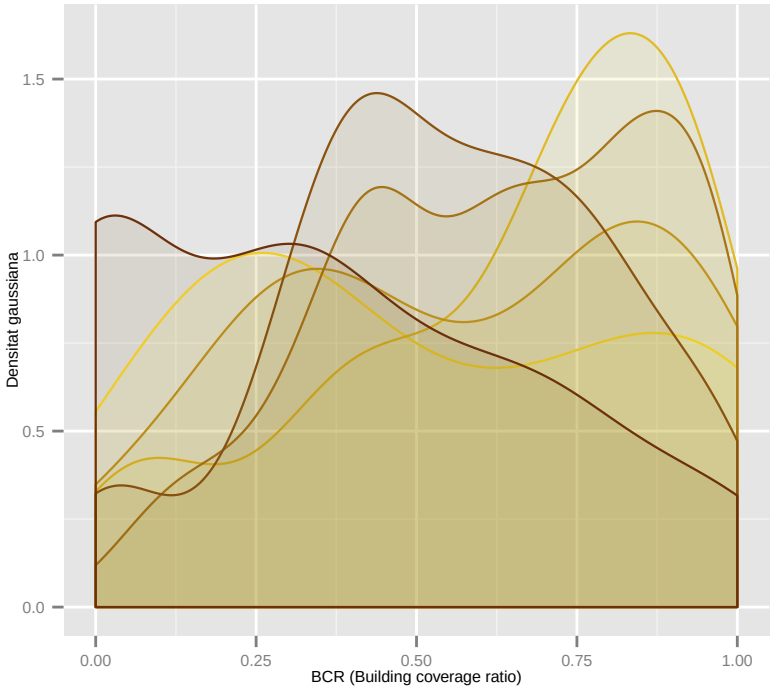
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

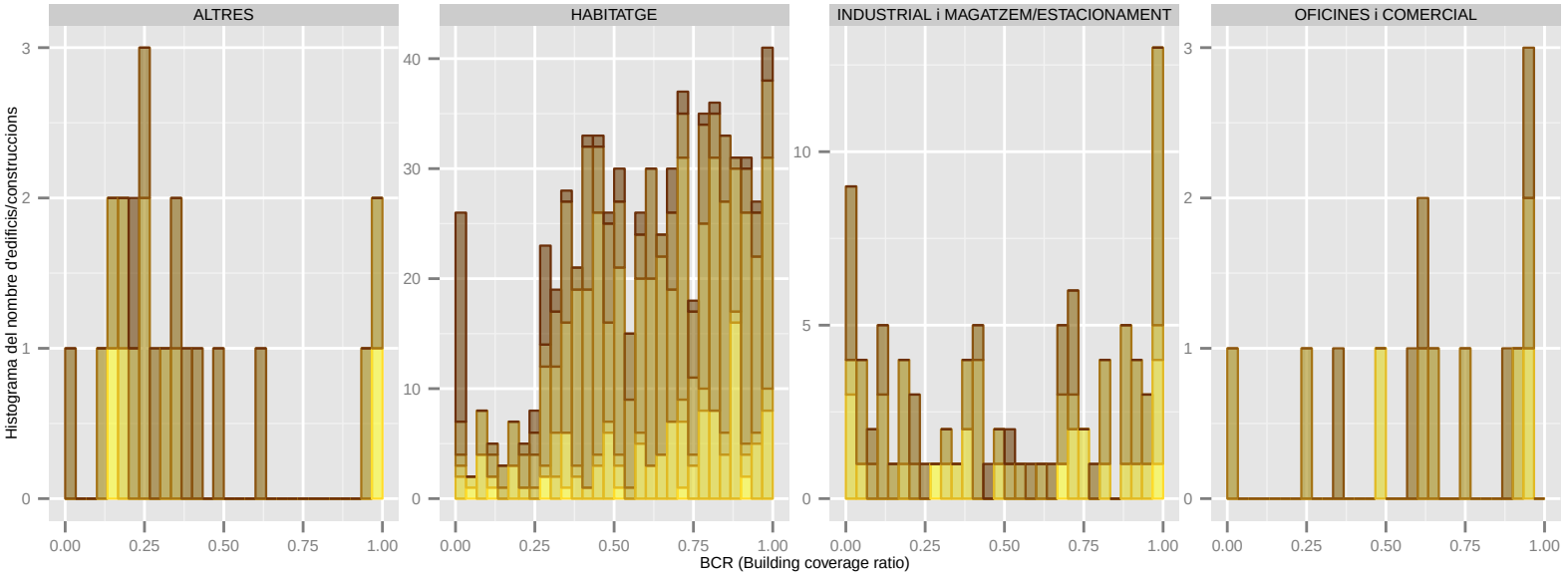
BCR (Building coverage ratio): MONTGAT





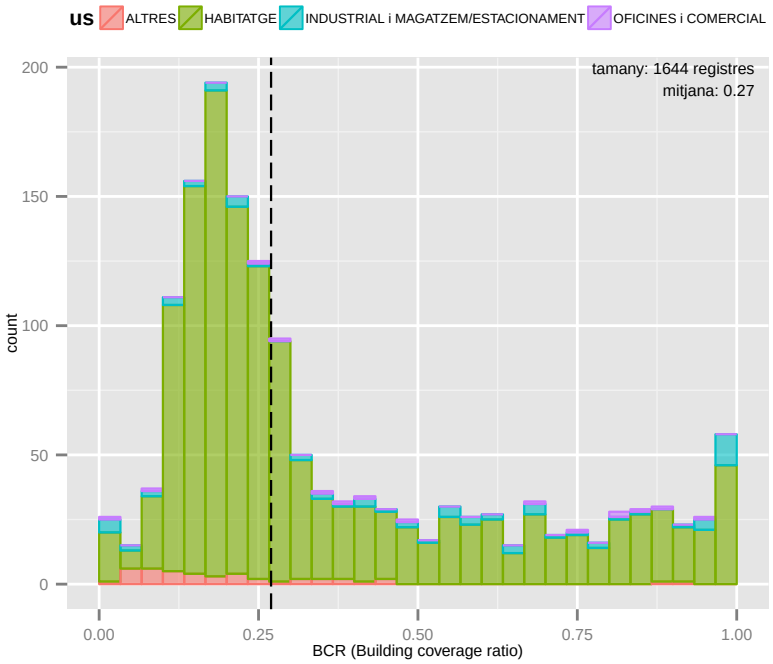


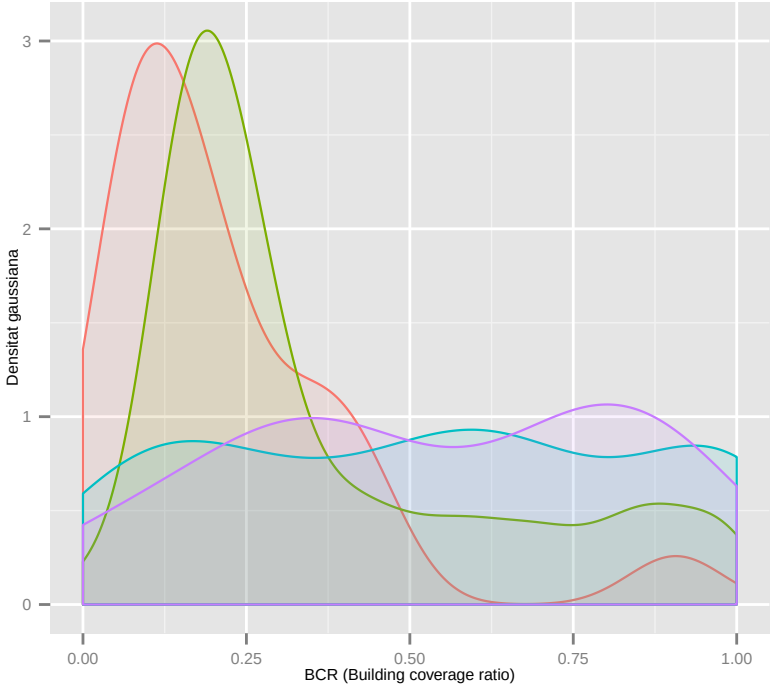


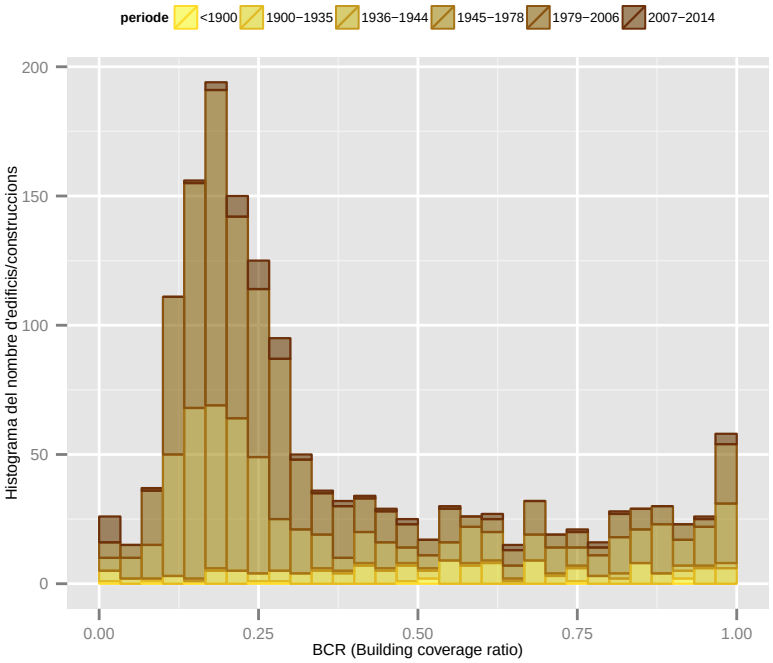


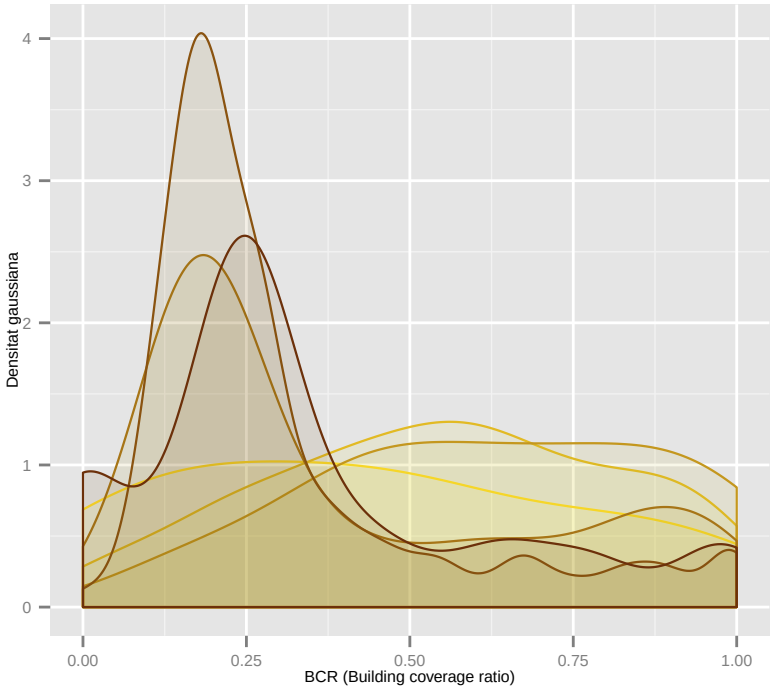
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

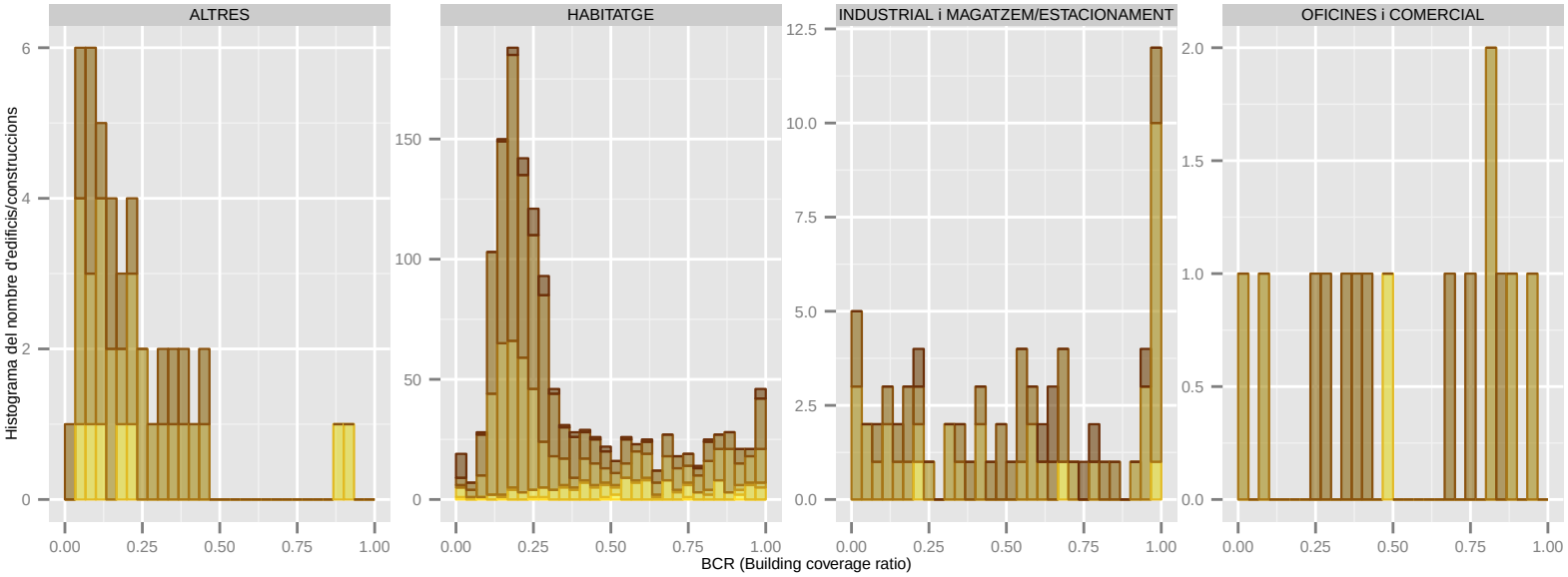
BCR (Building coverage ratio): PALLEJA





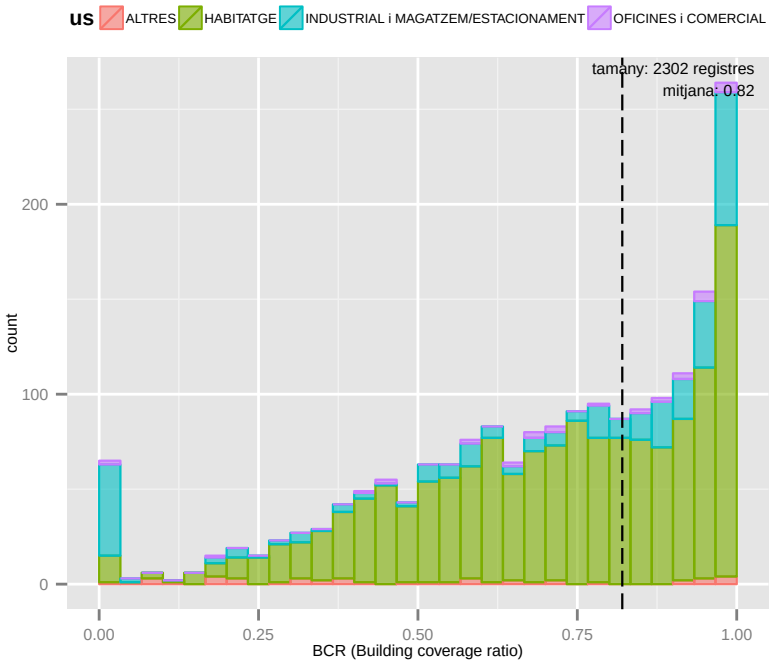


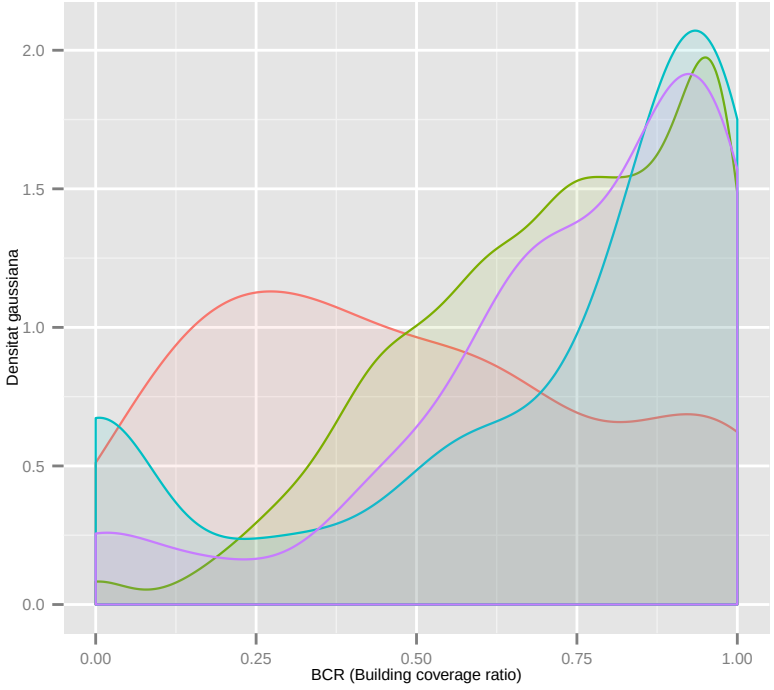


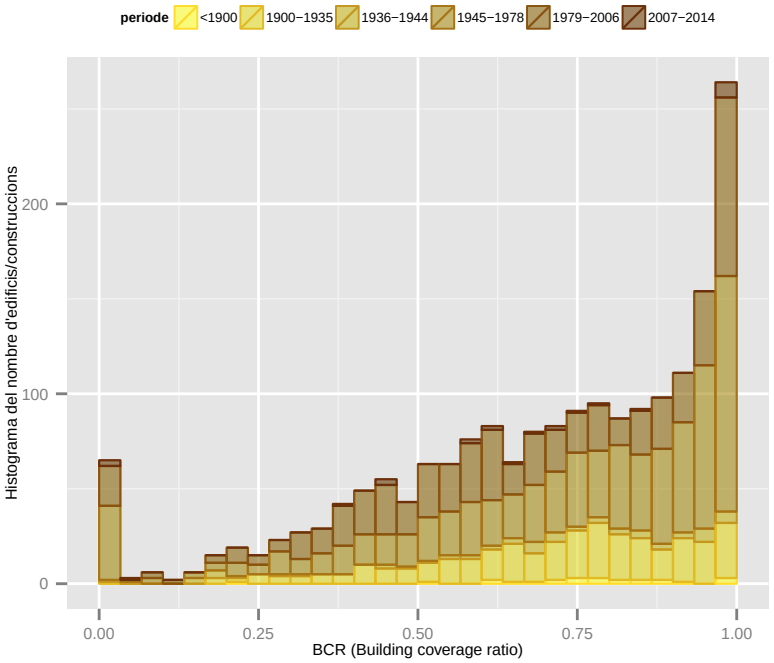


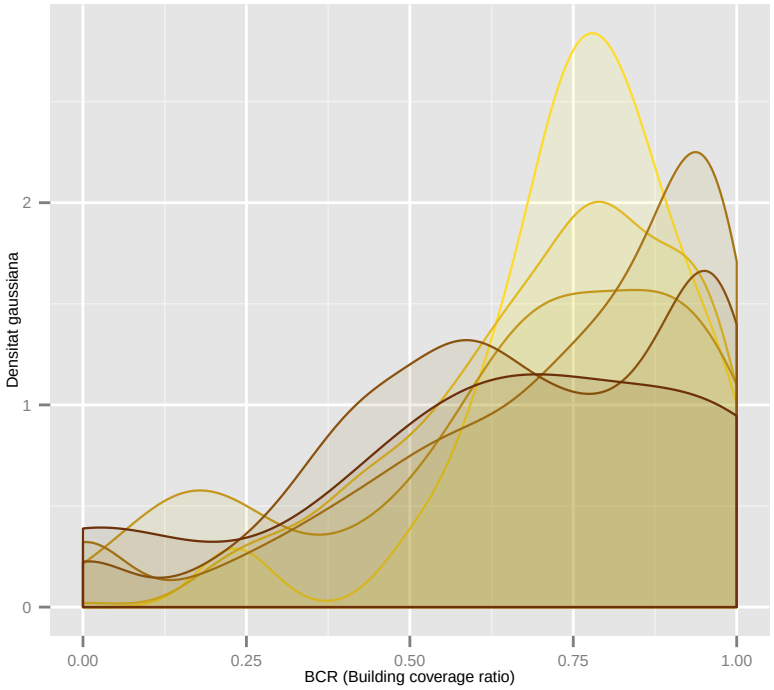
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

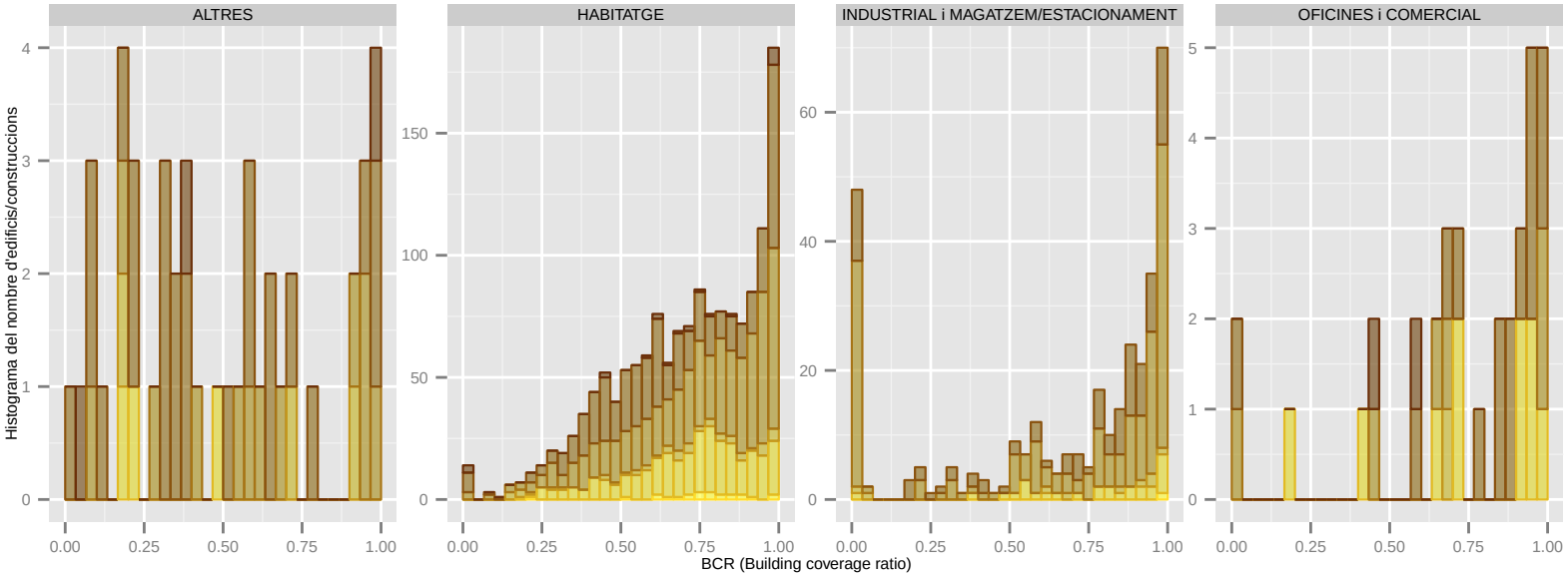
BCR (Building coverage ratio): RIPOLLET





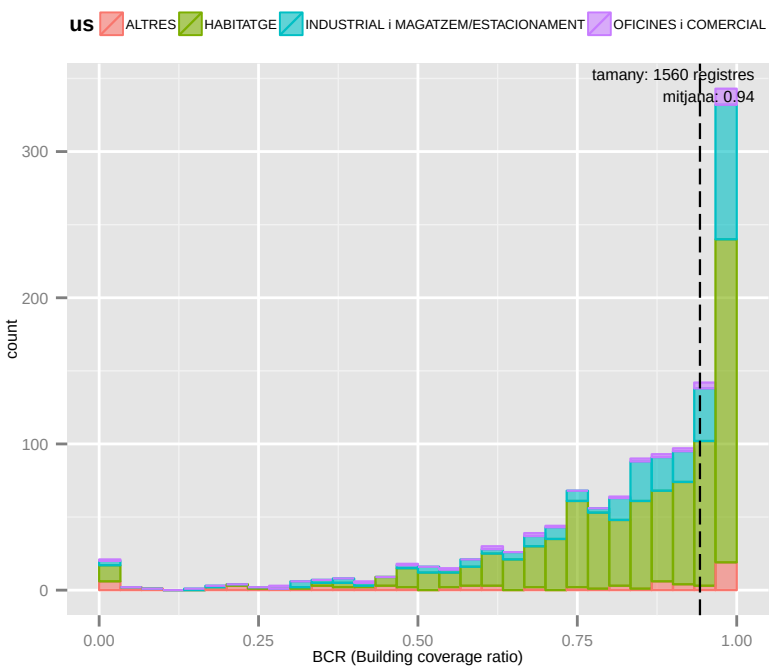


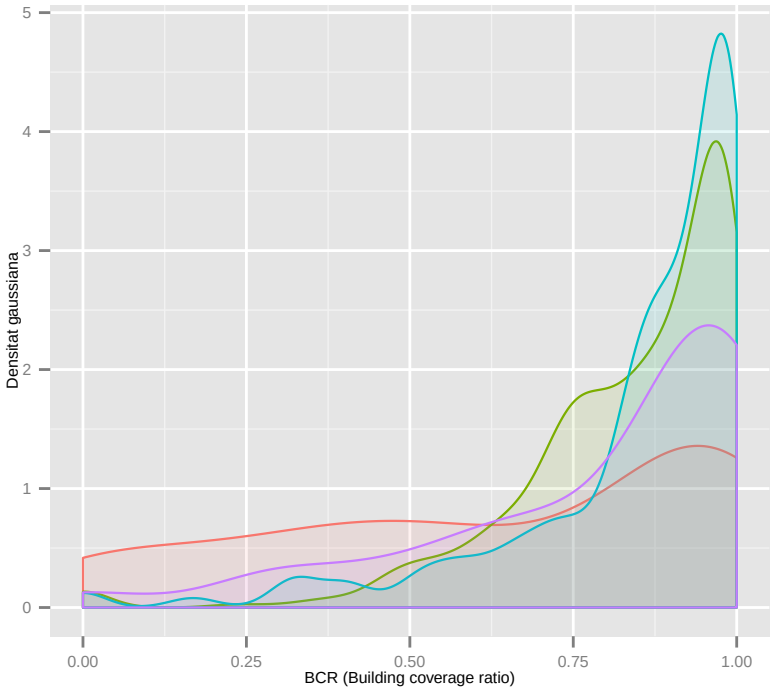


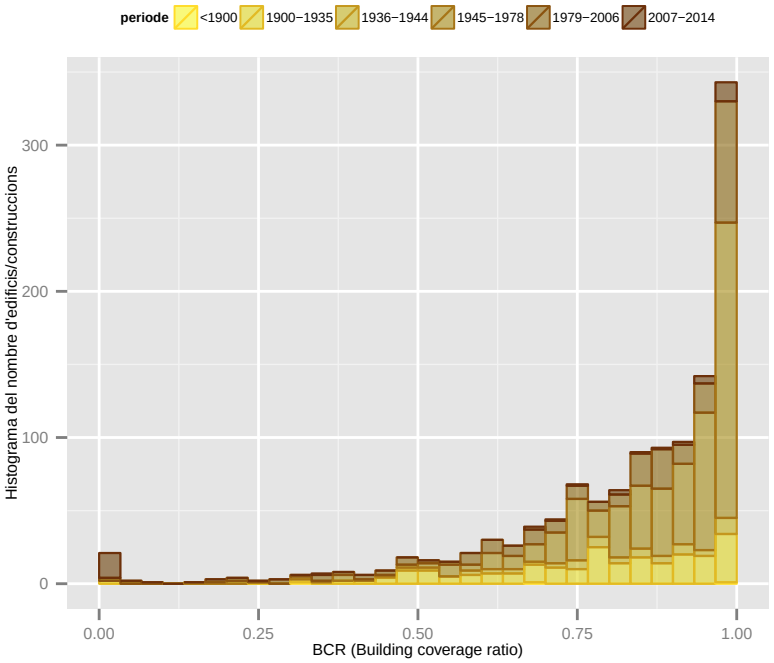


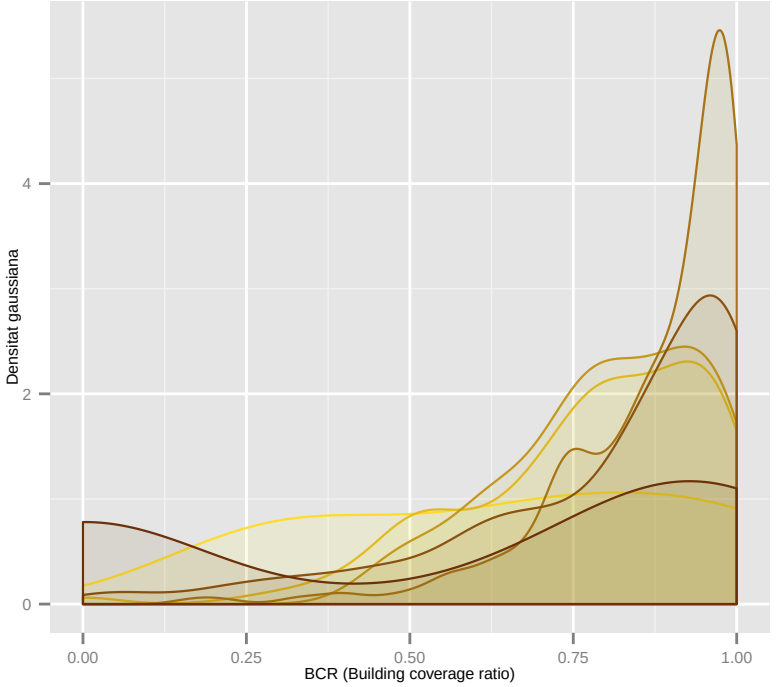
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

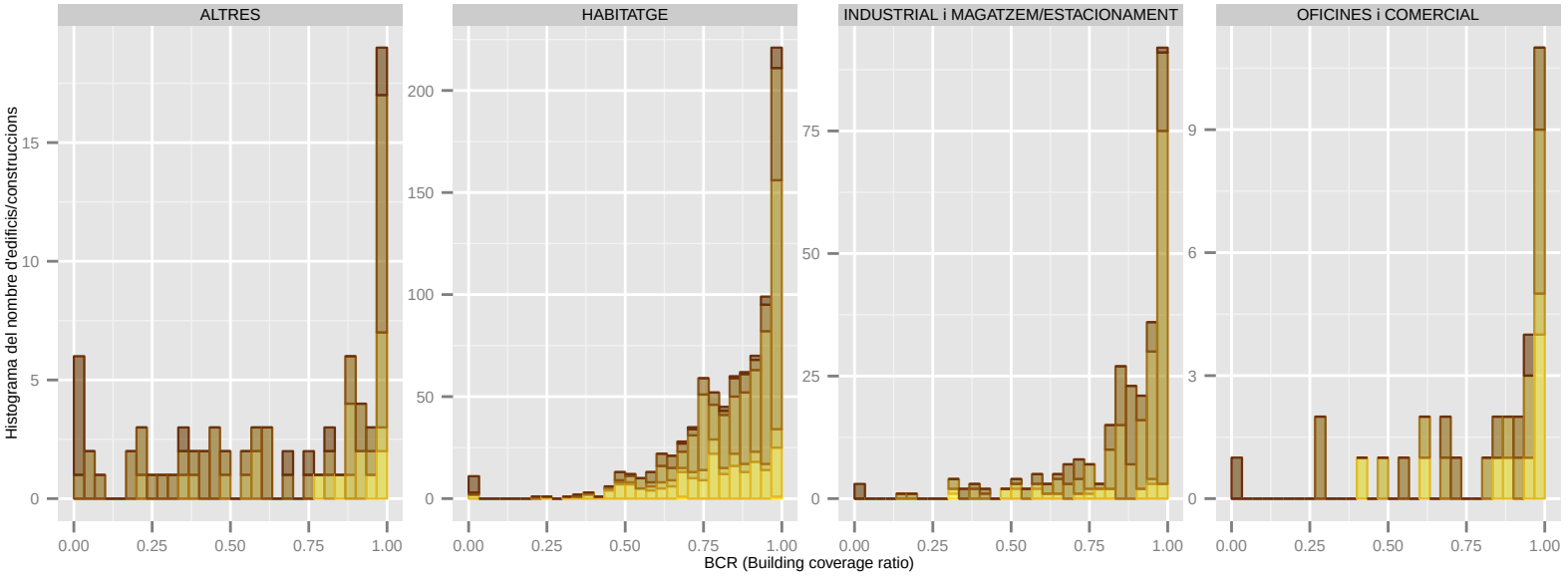
BCR (Building coverage ratio): SANT ADRIA DE BESOS





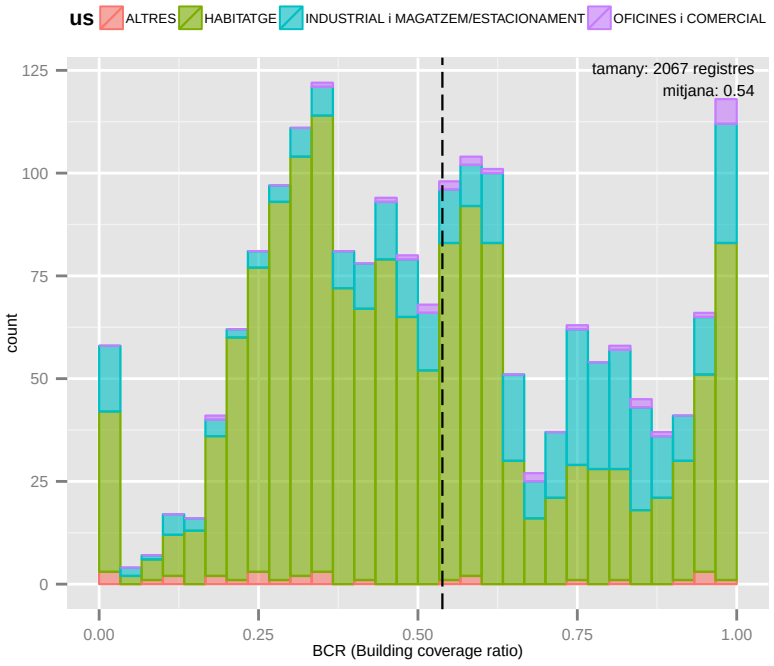


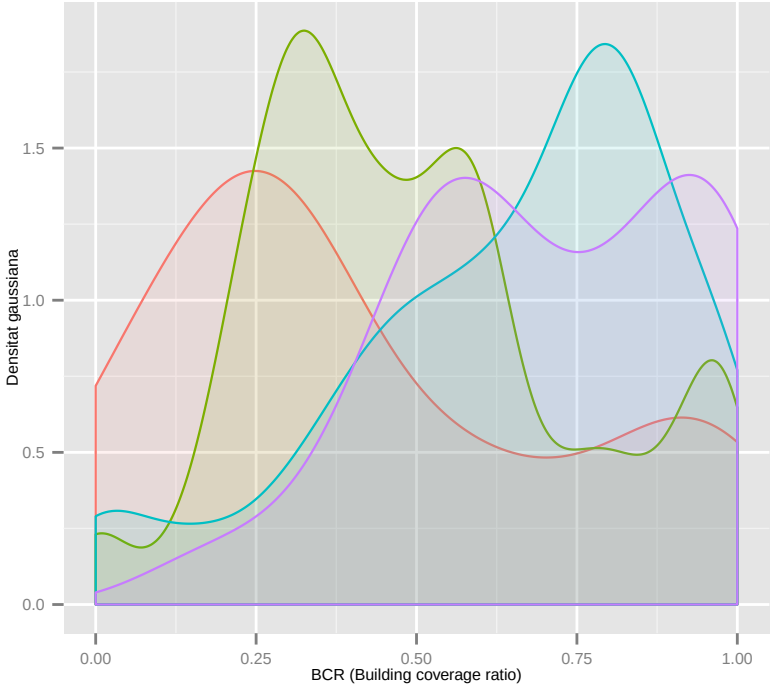


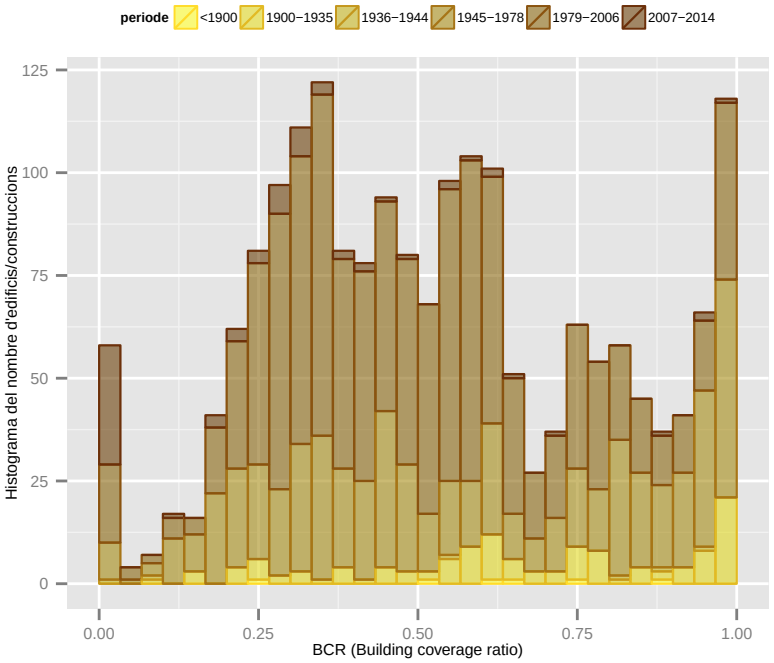


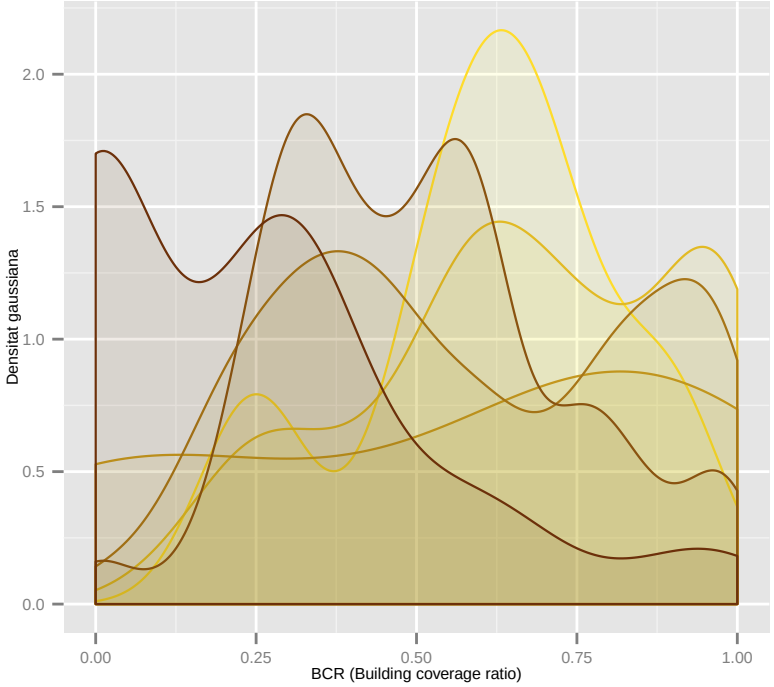
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

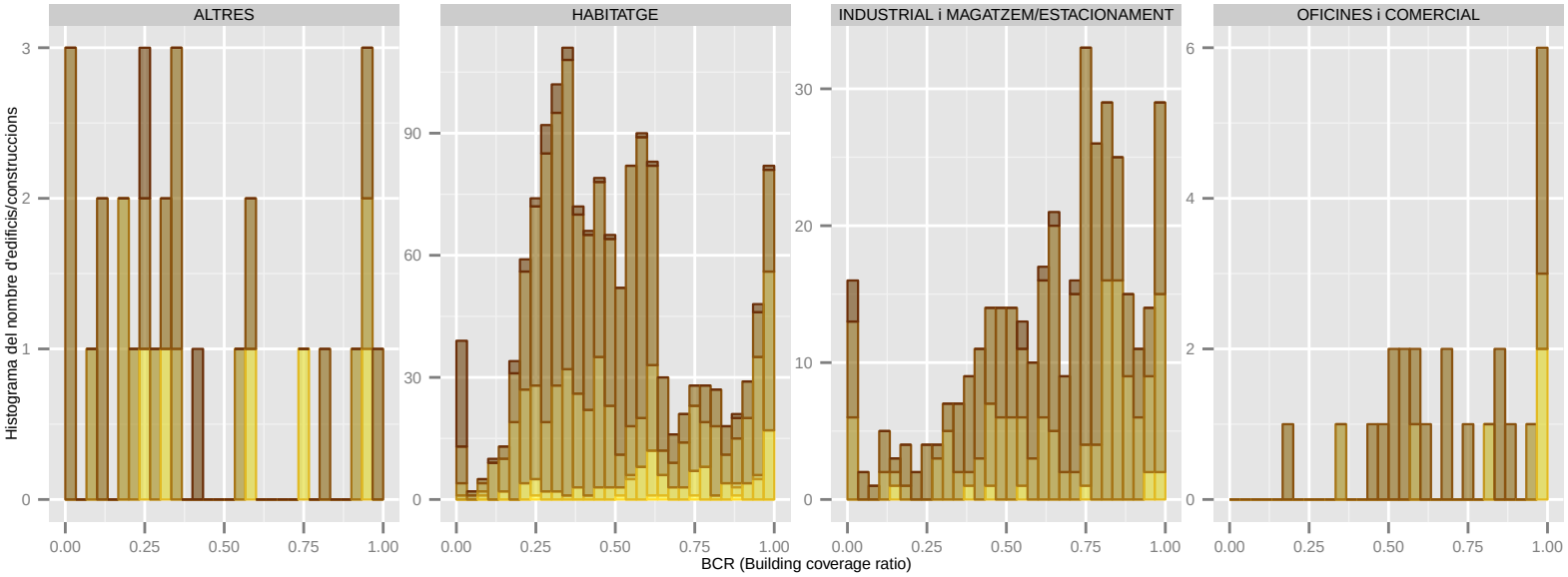
BCR (Building coverage ratio): SANT ANDREU DE LA BARCA





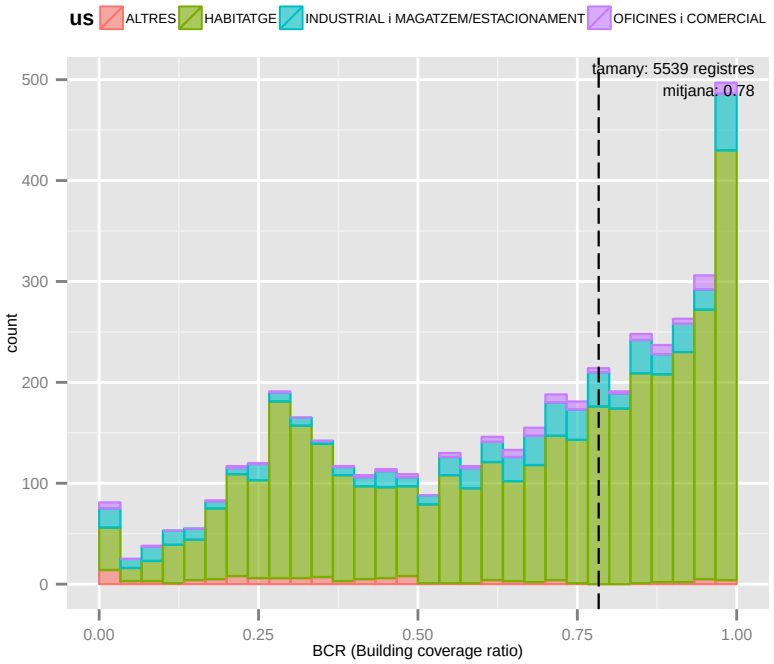


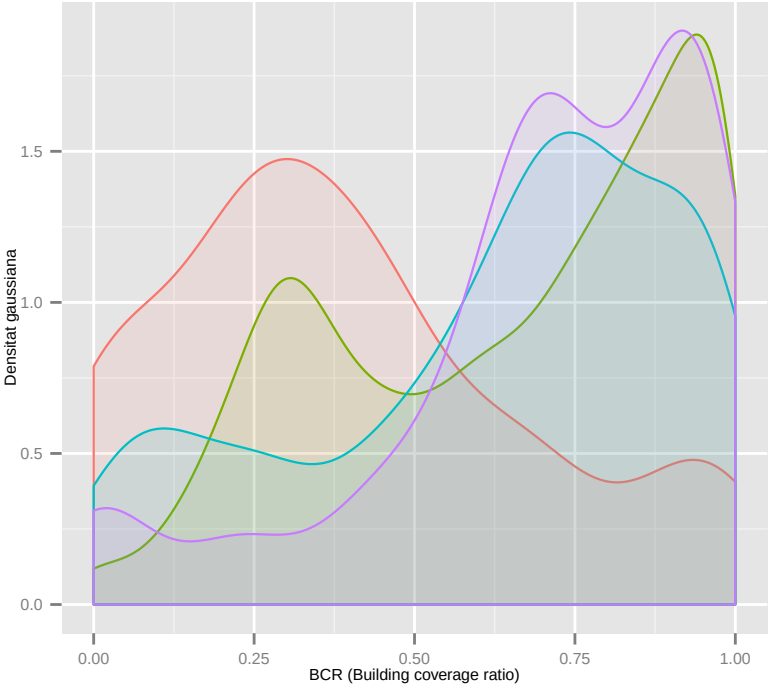


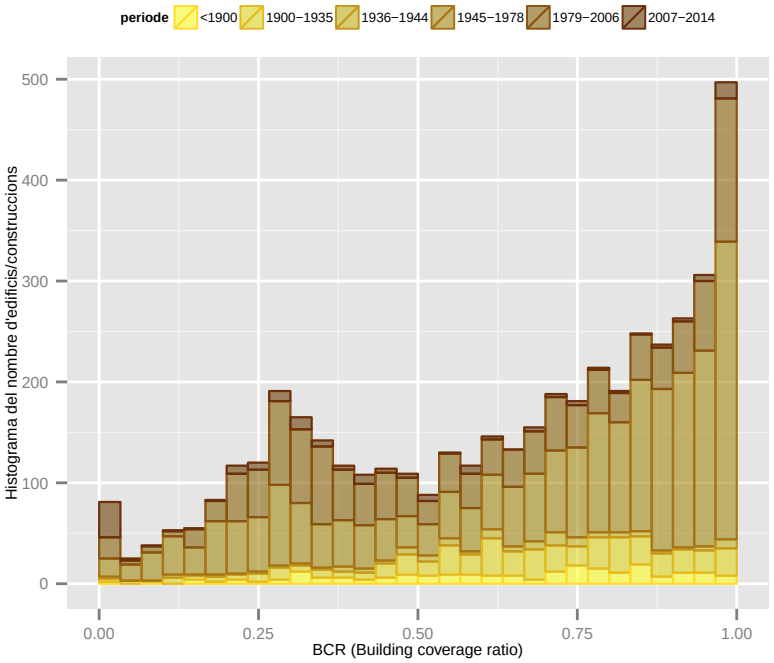


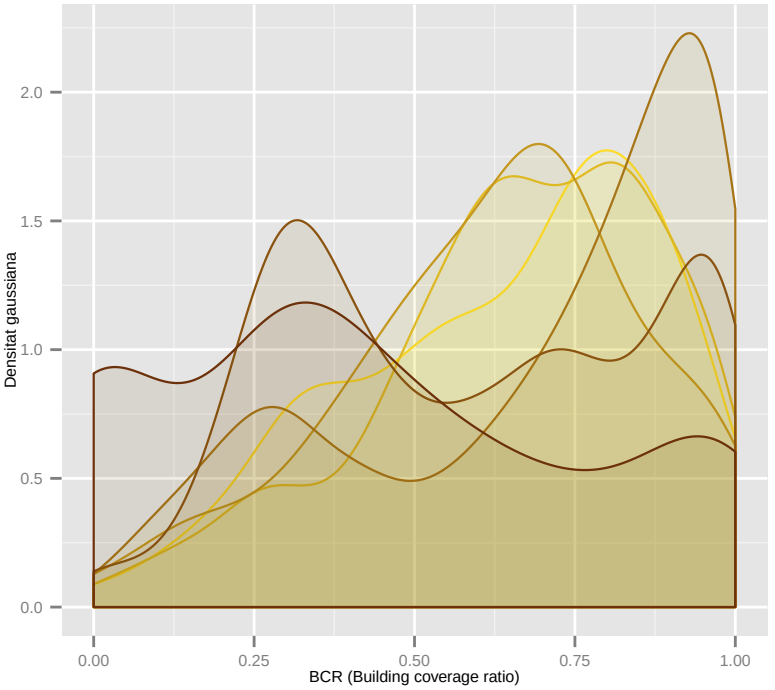
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

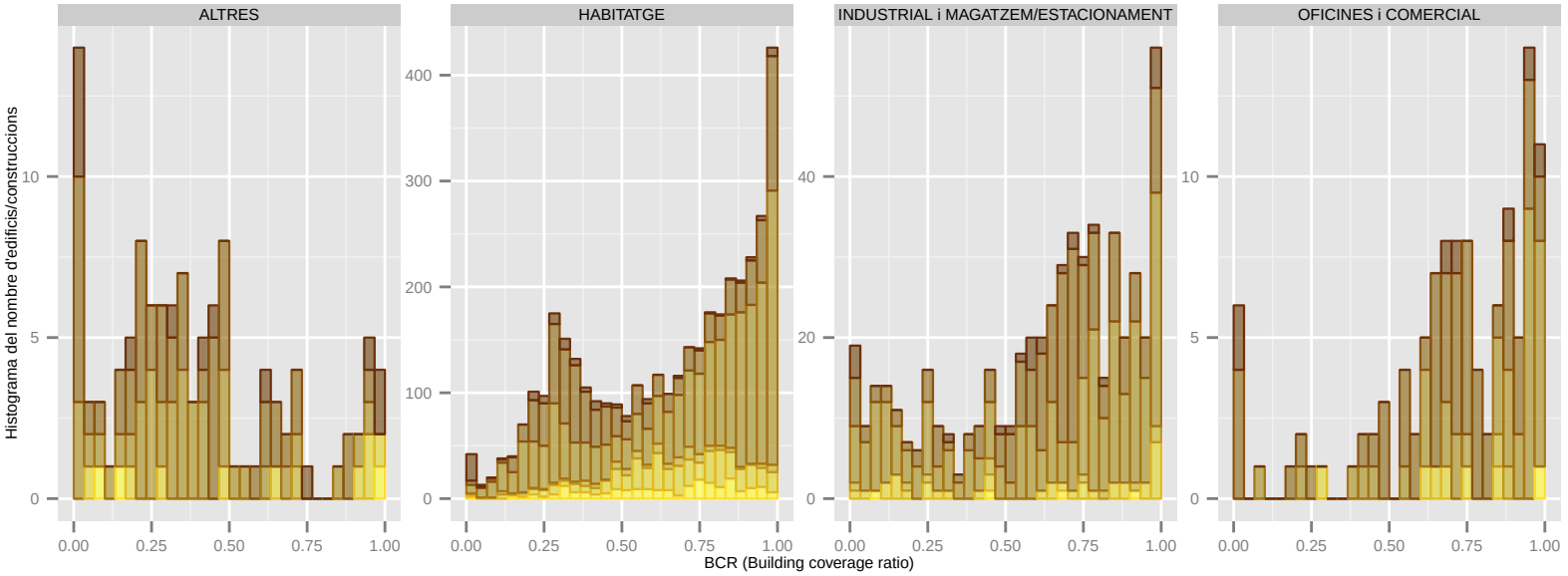
BCR (Building coverage ratio): SANT BOI DE LLOBREGAT





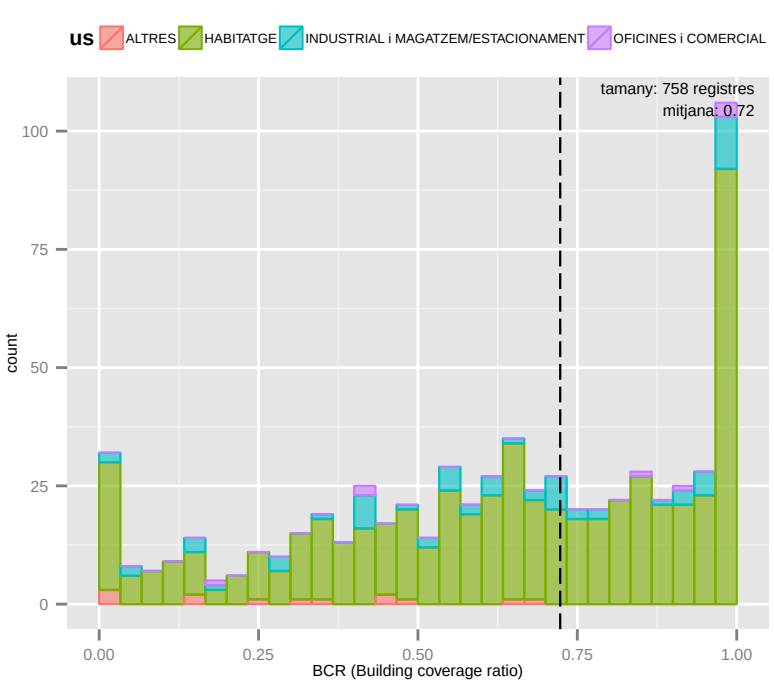


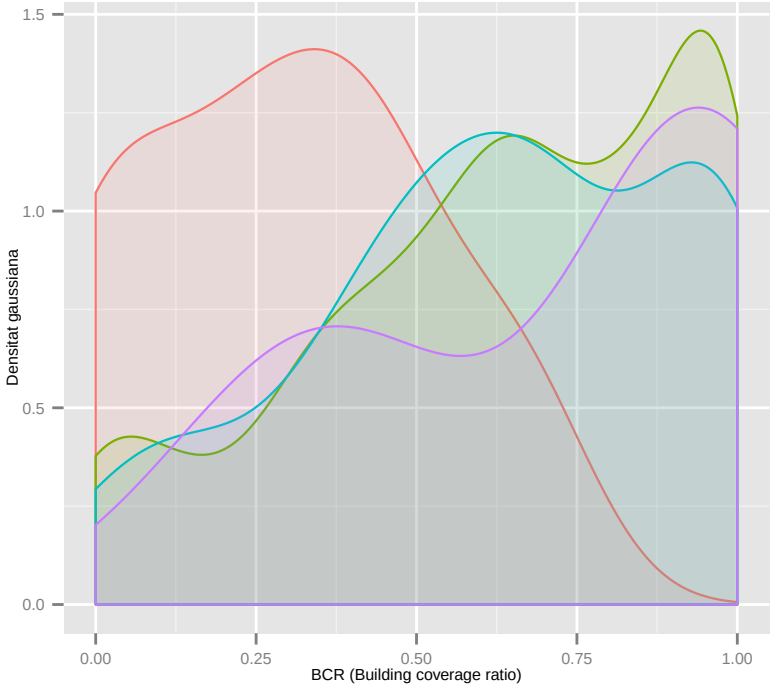


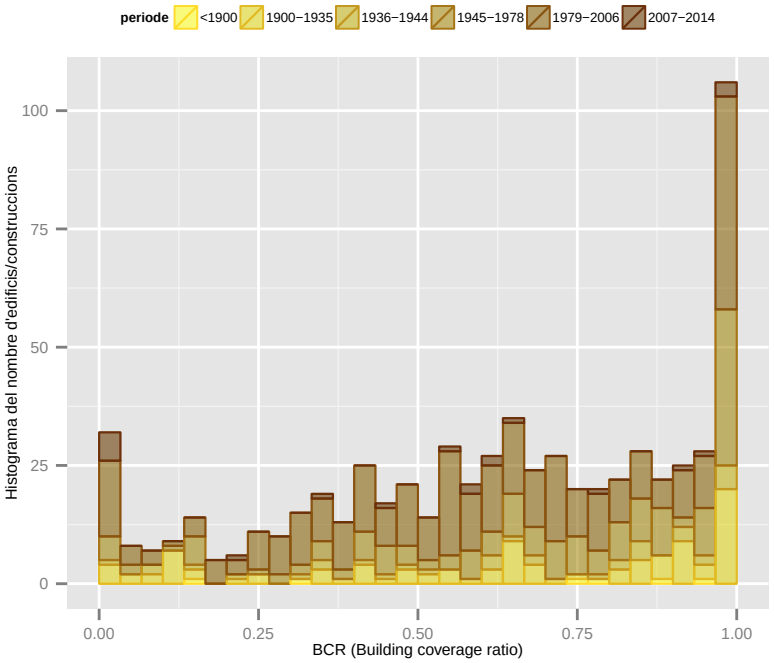


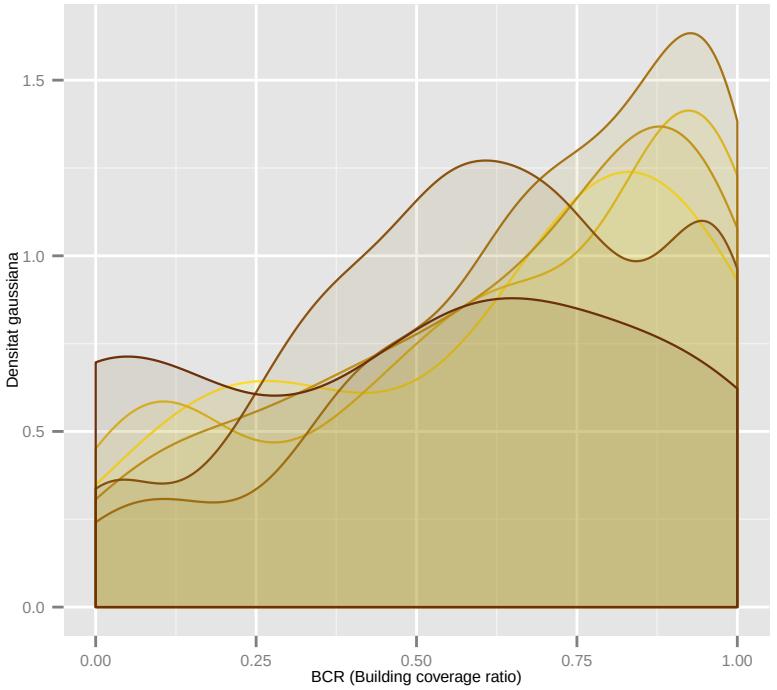
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

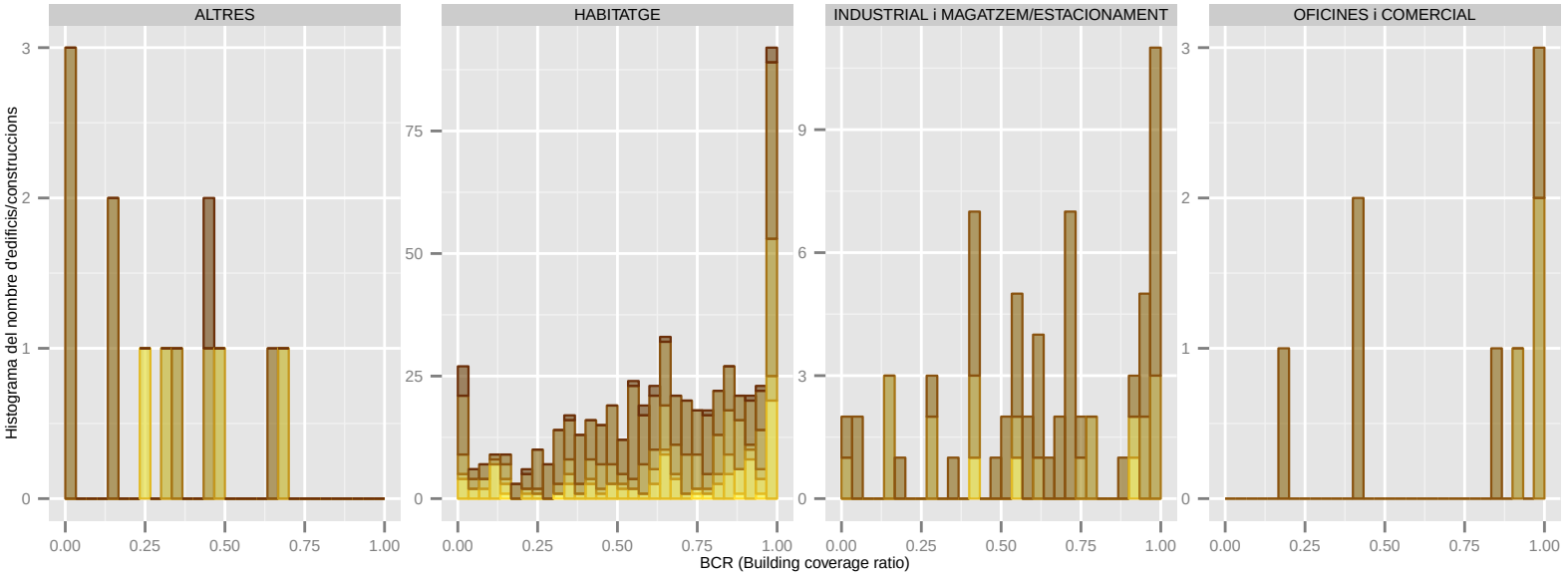
BCR (Building coverage ratio): SANT CLIMENT DE LLOBREGAT





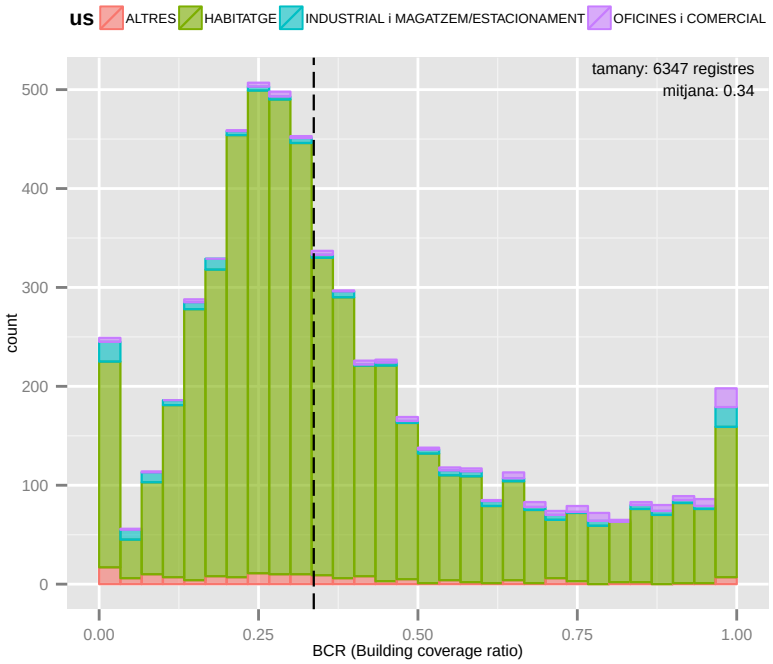


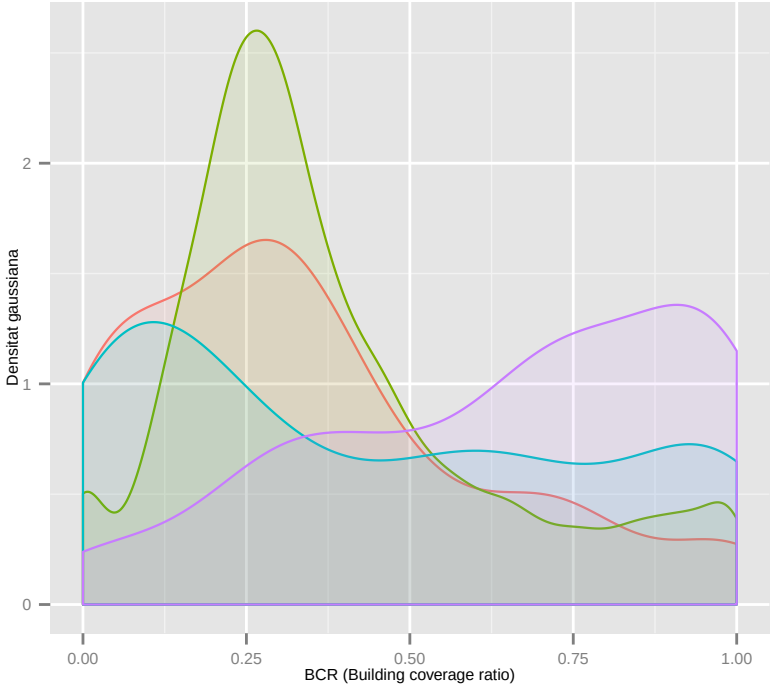


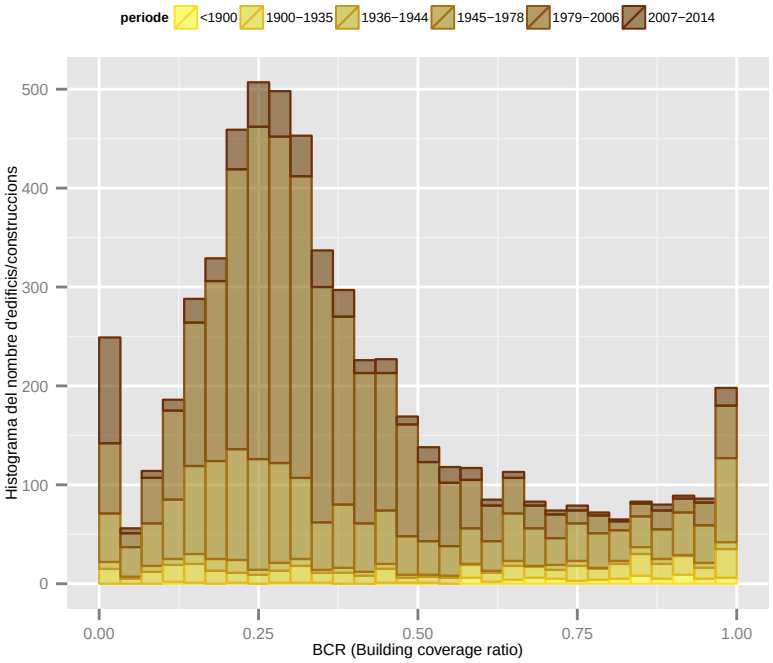


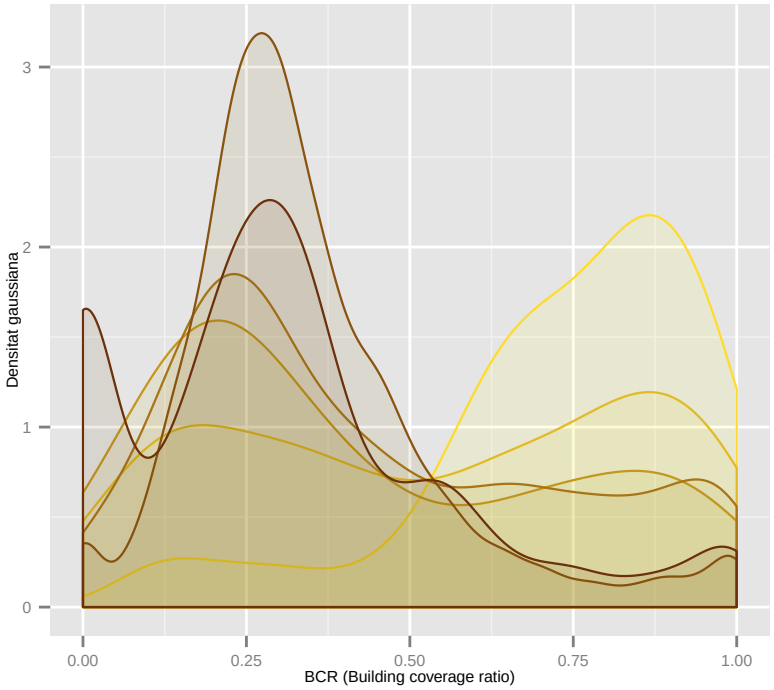
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

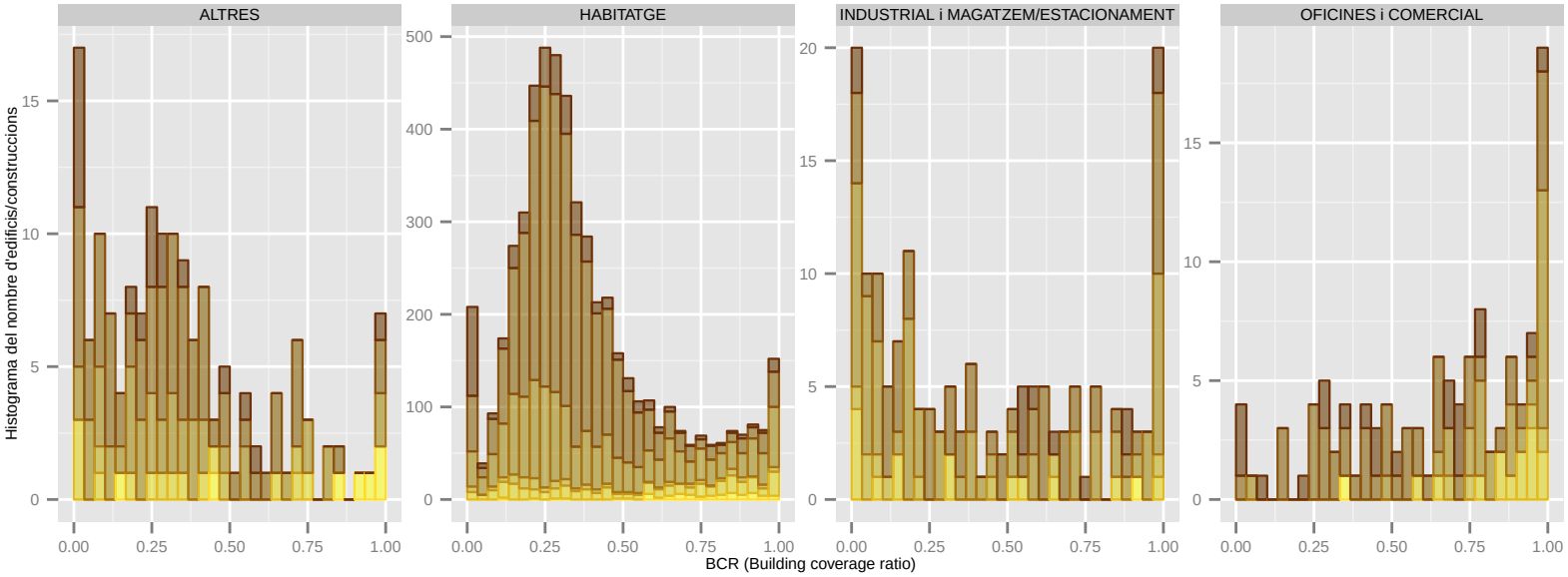
BCR (Building coverage ratio): SANT CUGAT DEL VALLES





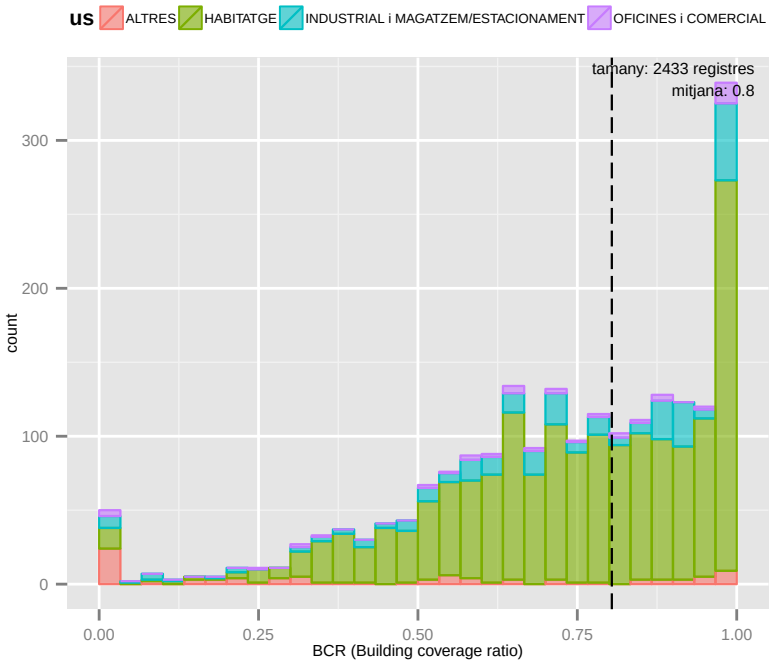


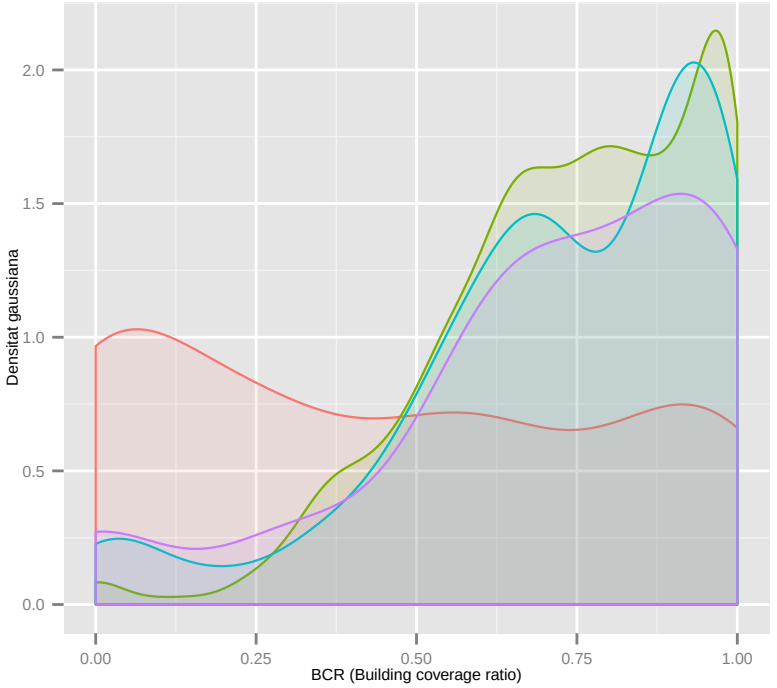


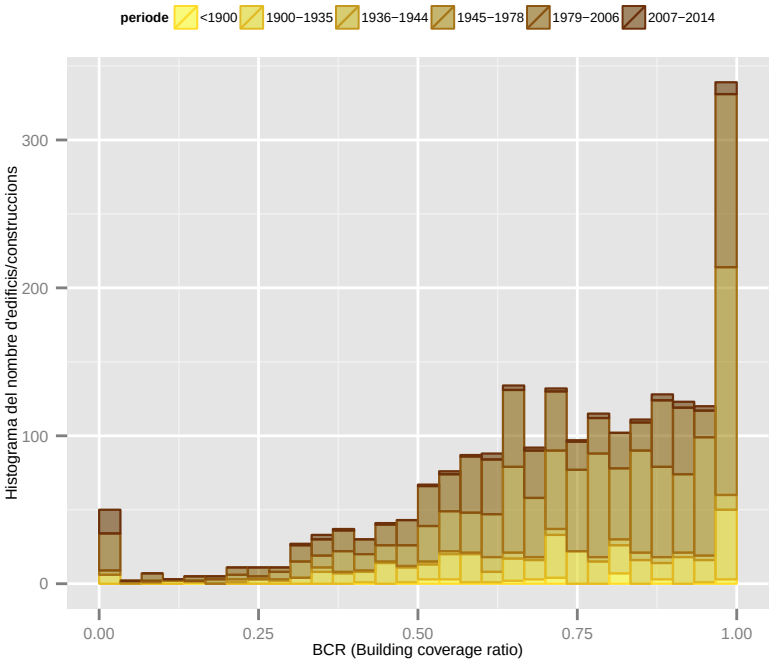


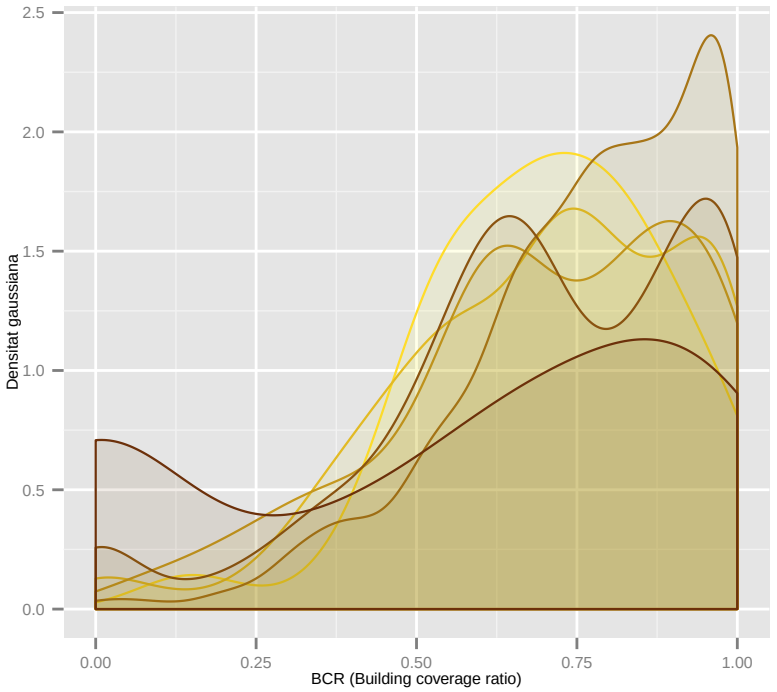
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

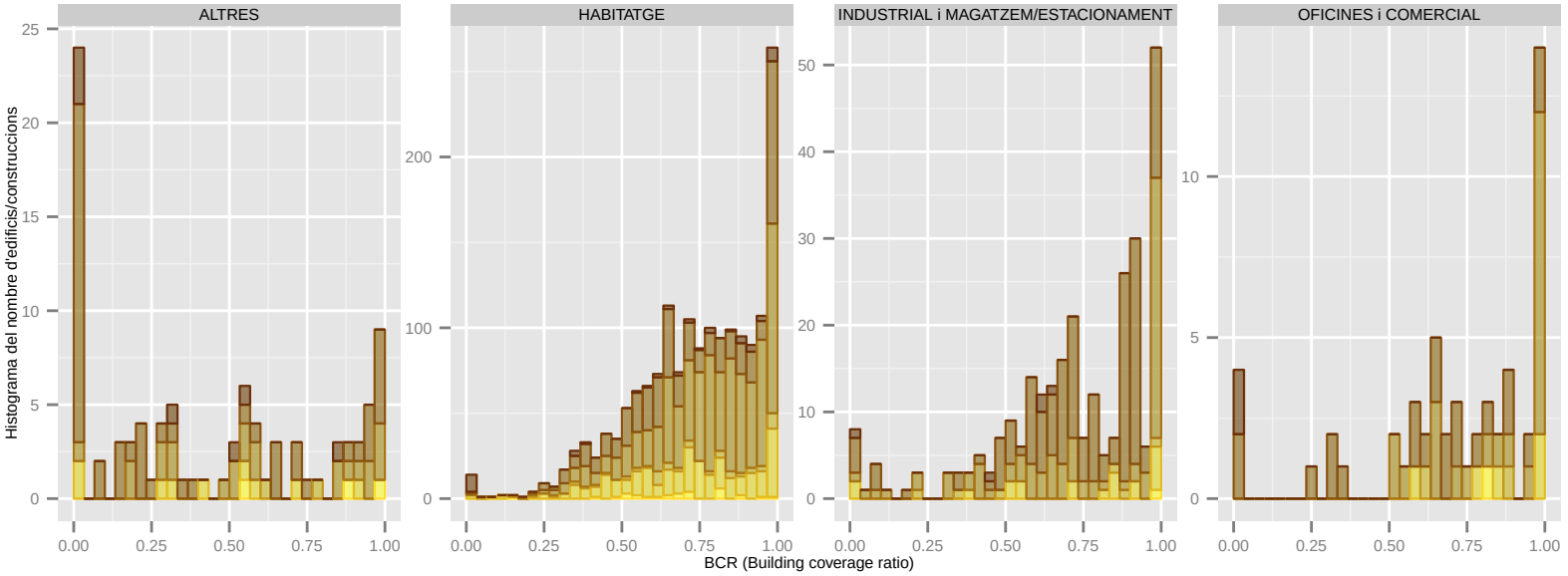
BCR (Building coverage ratio): SANT FELIU DE LLOBREGAT





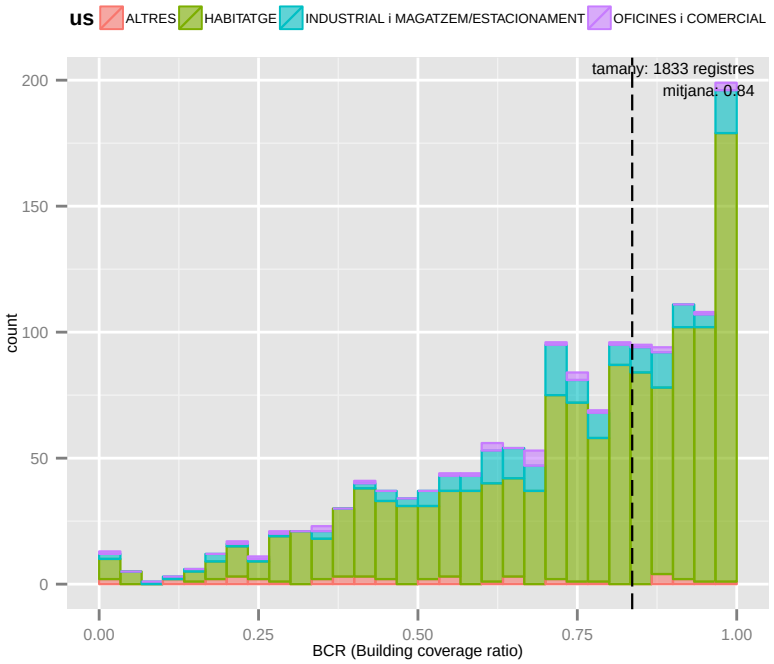


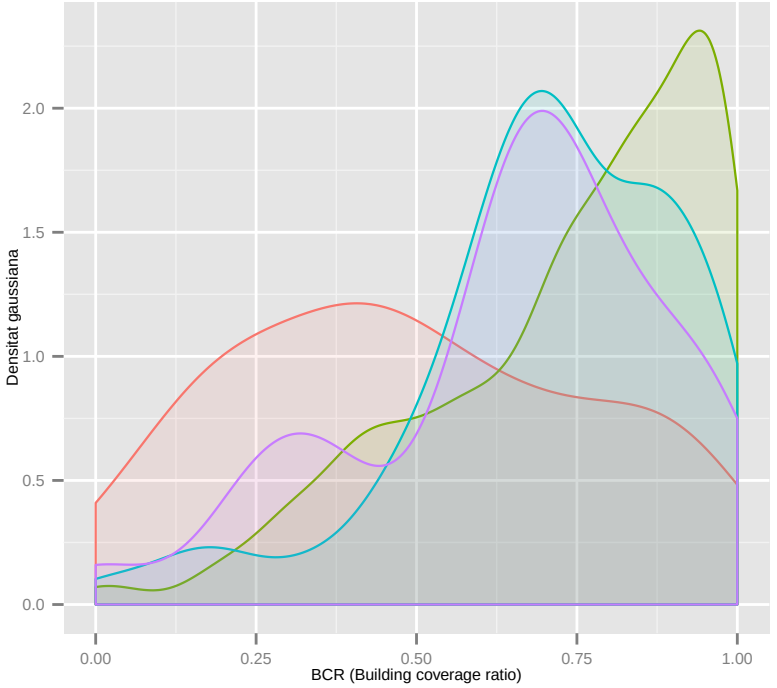


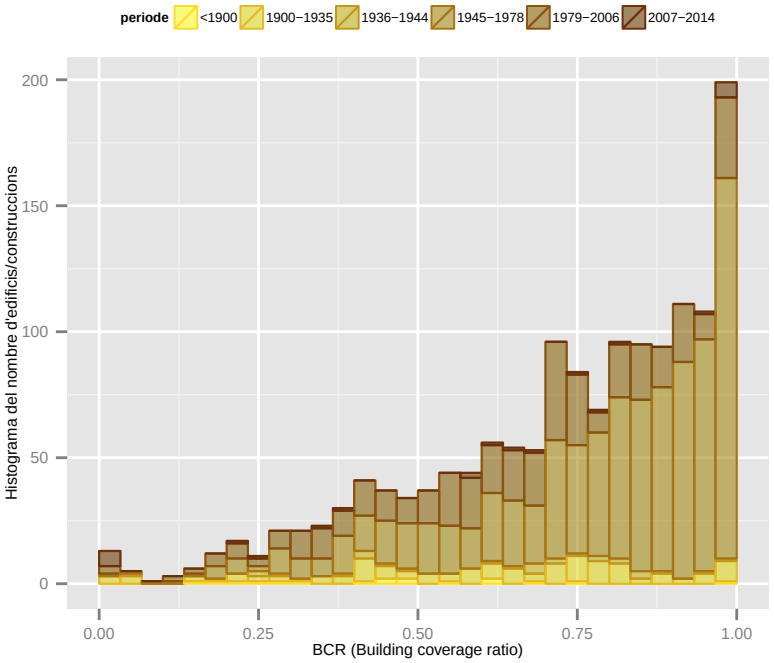


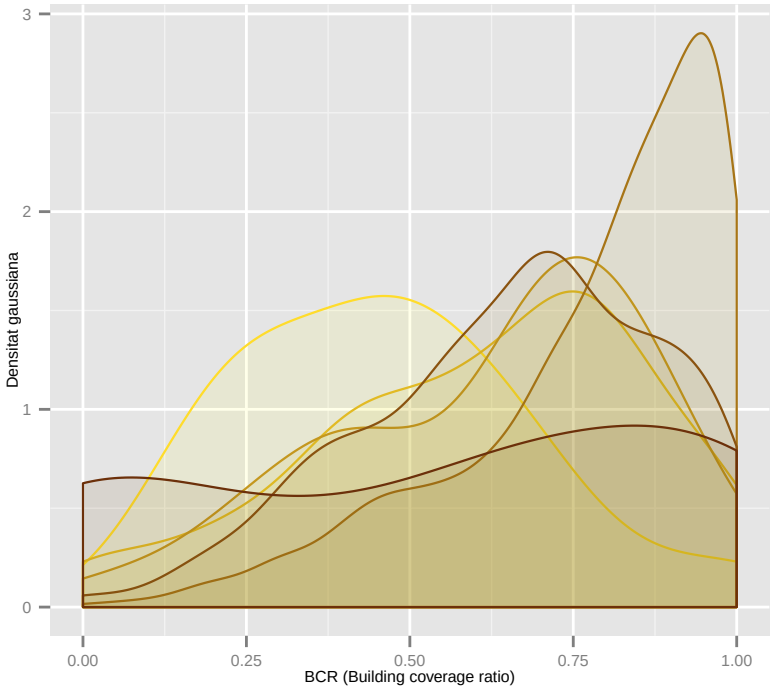
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

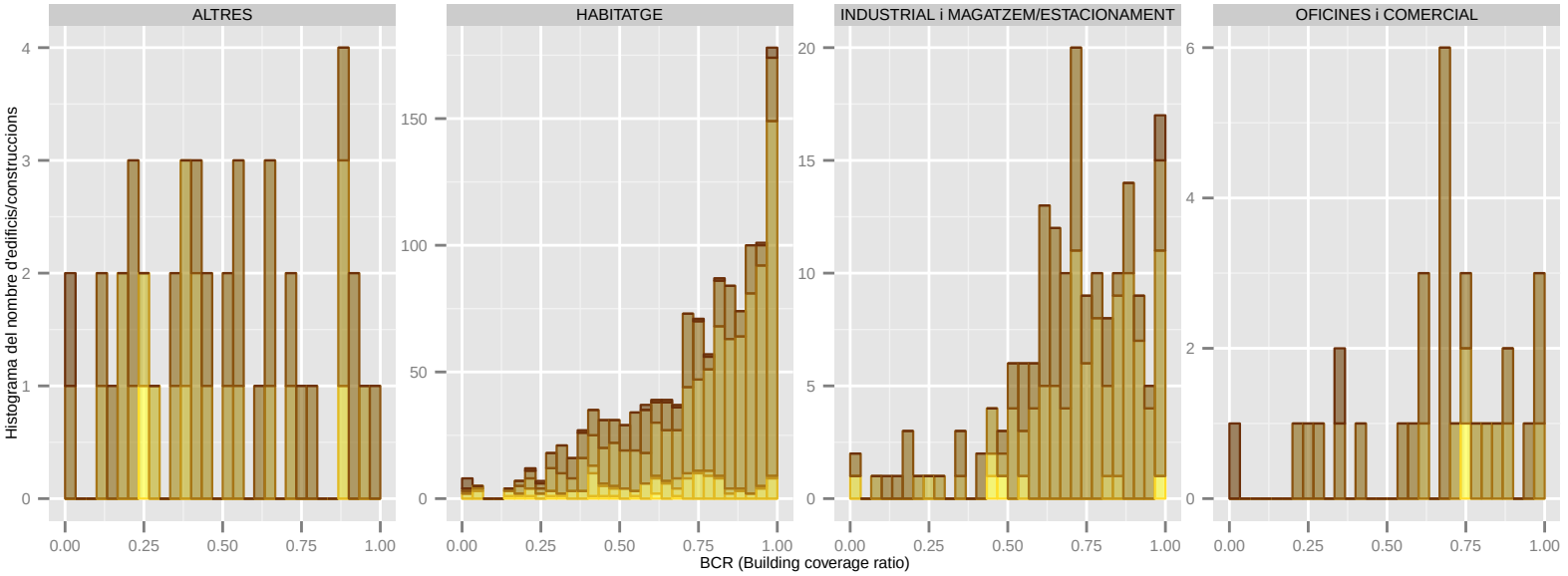
BCR (Building coverage ratio): SANT JOAN DESPI





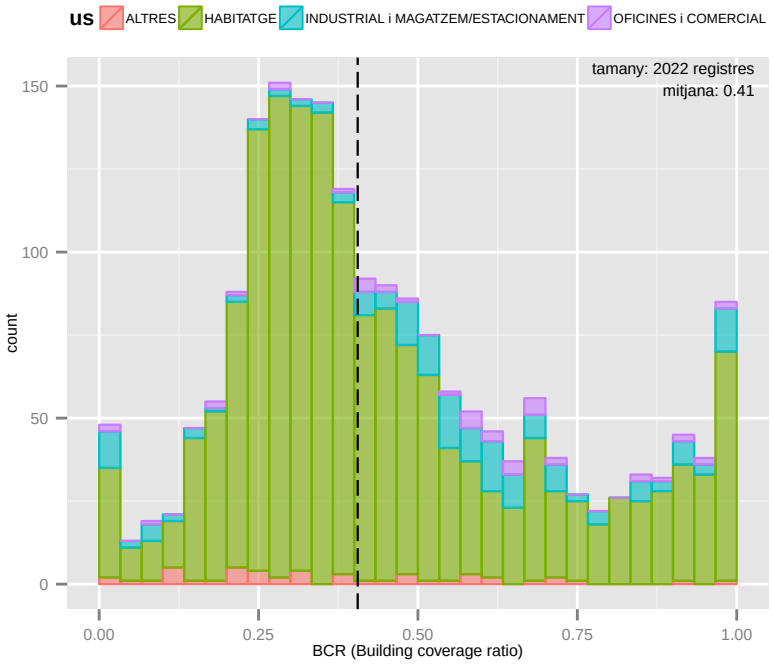


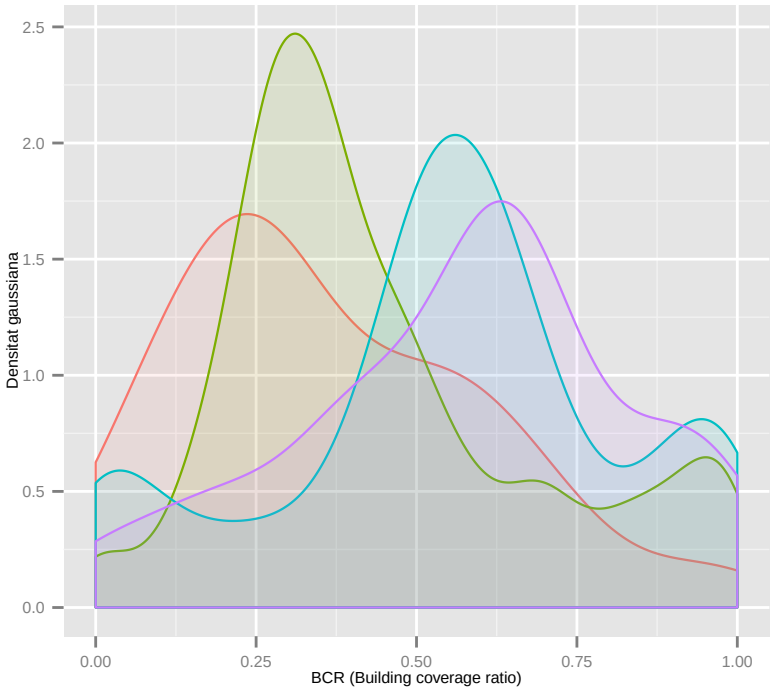


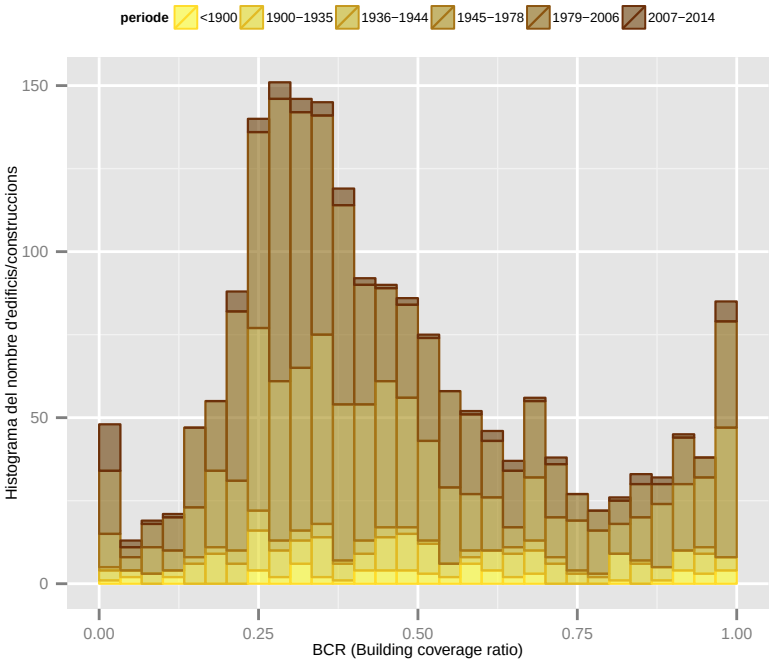


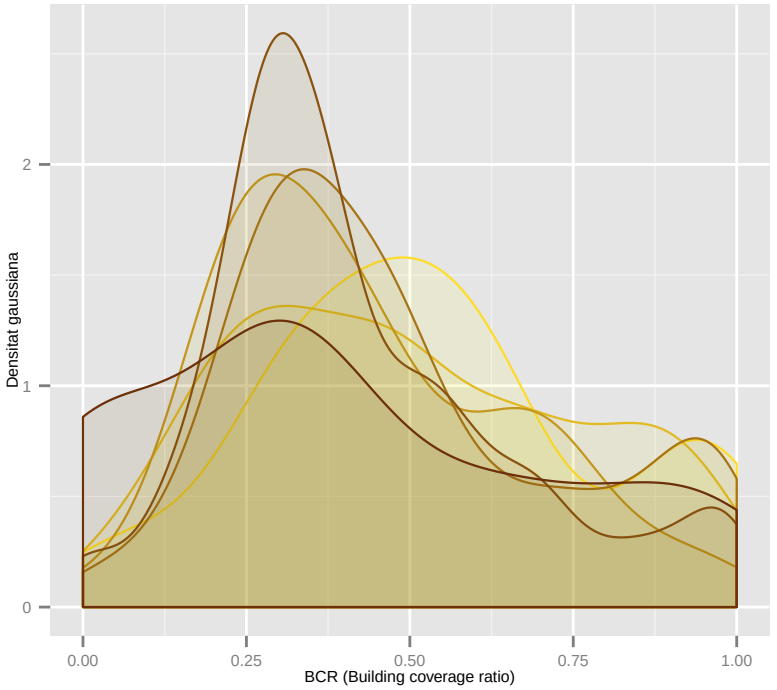
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

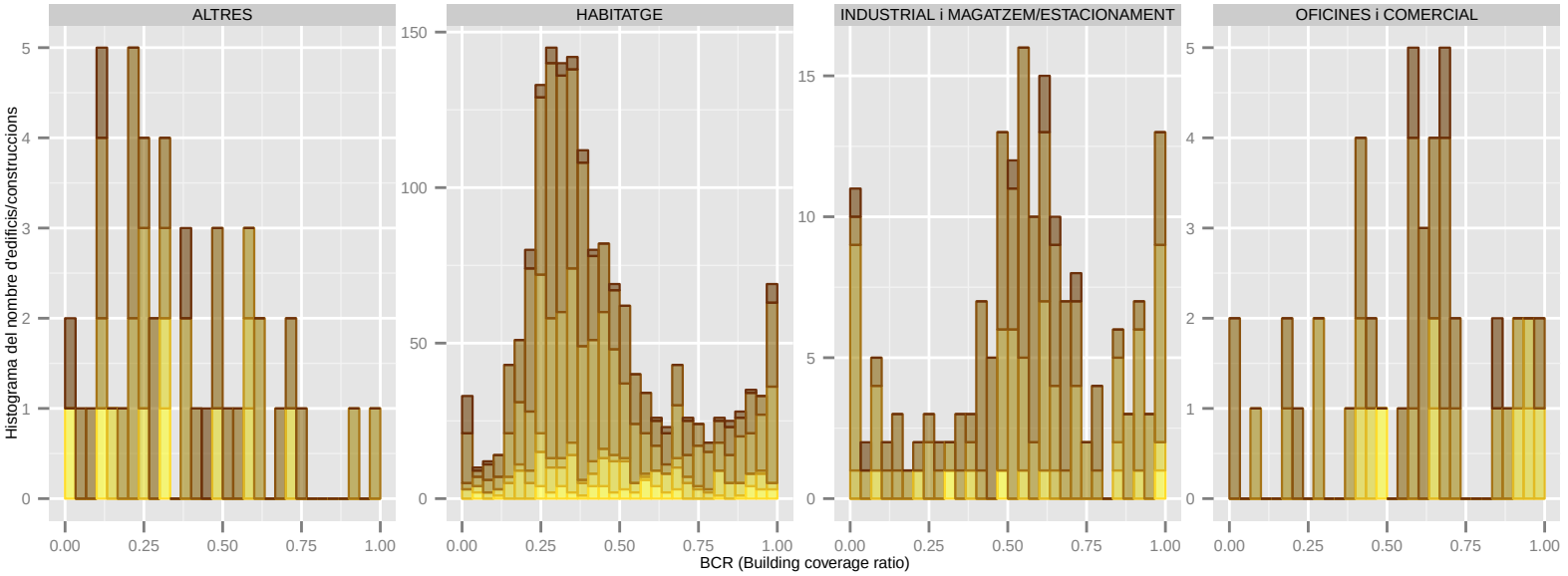
BCR (Building coverage ratio): SANT JUST DESVERN





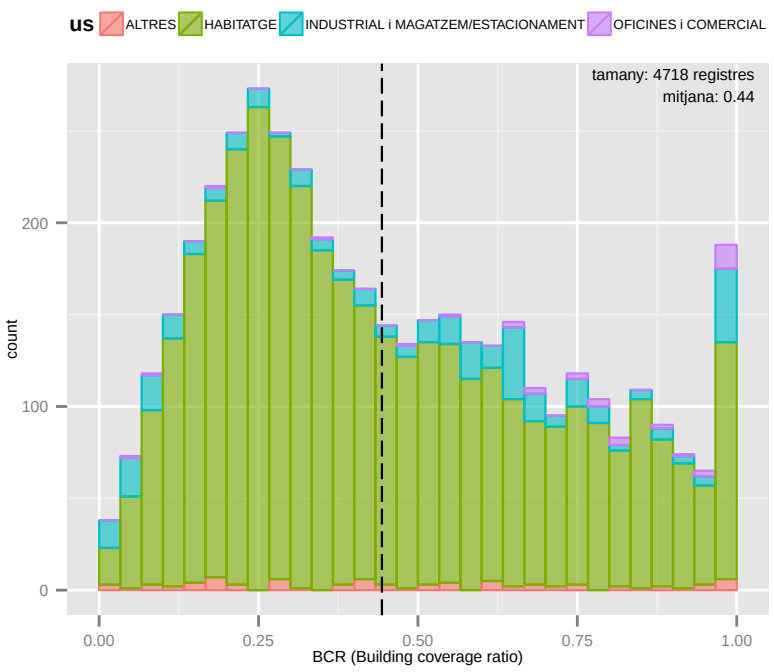


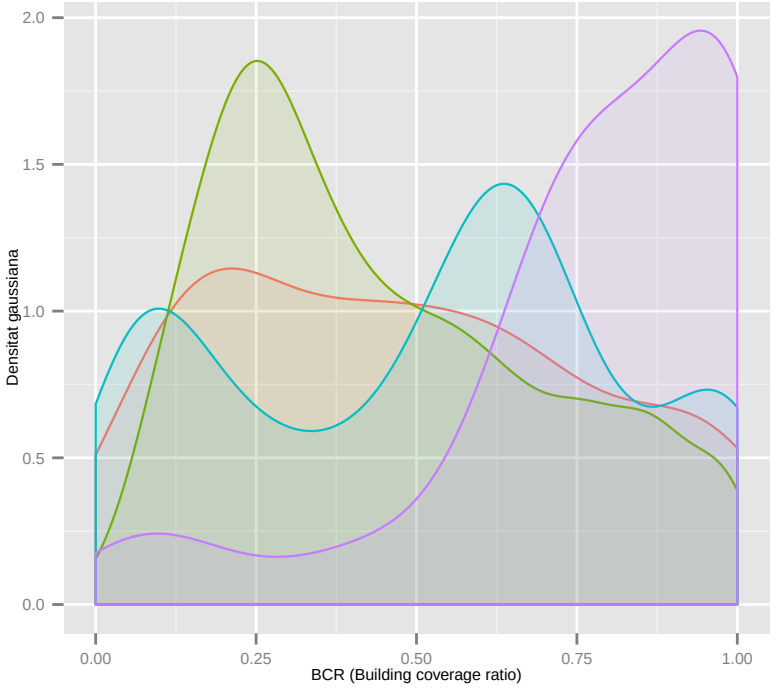


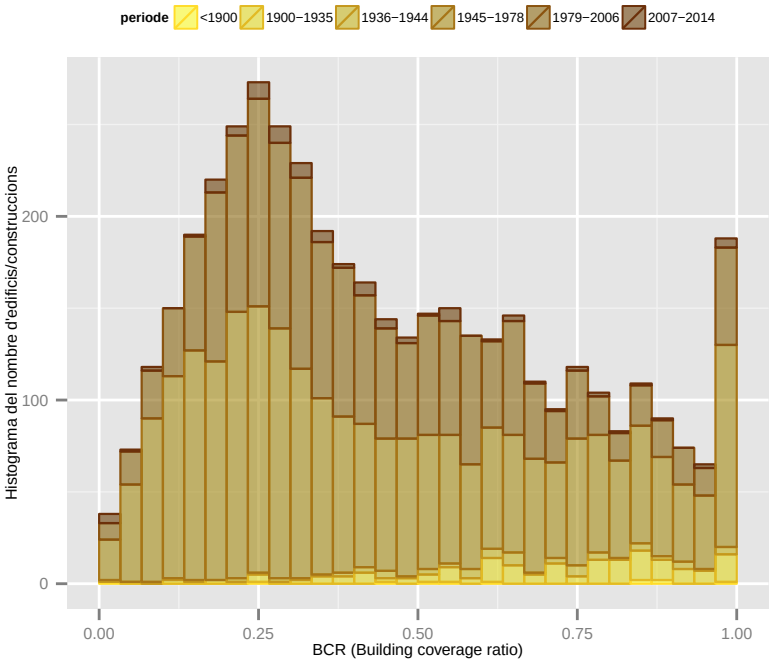


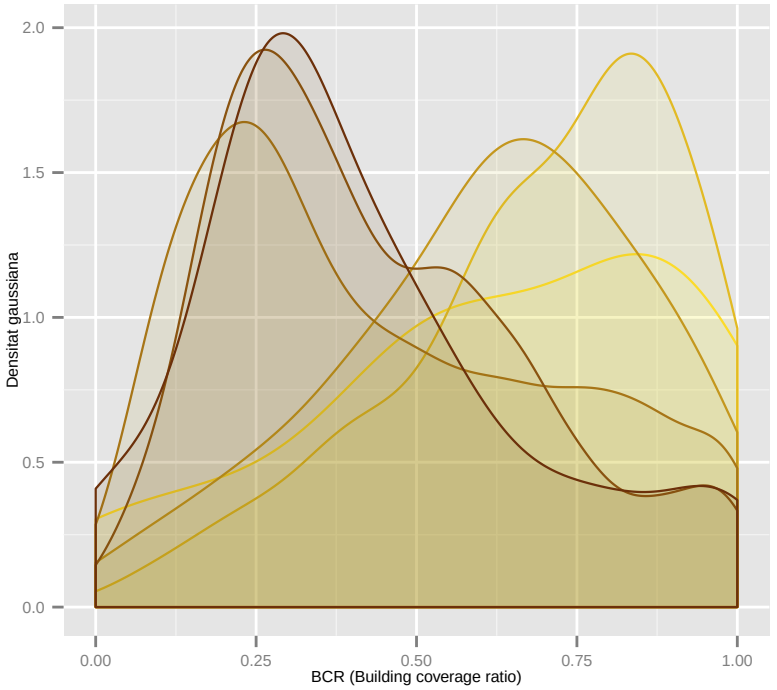
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

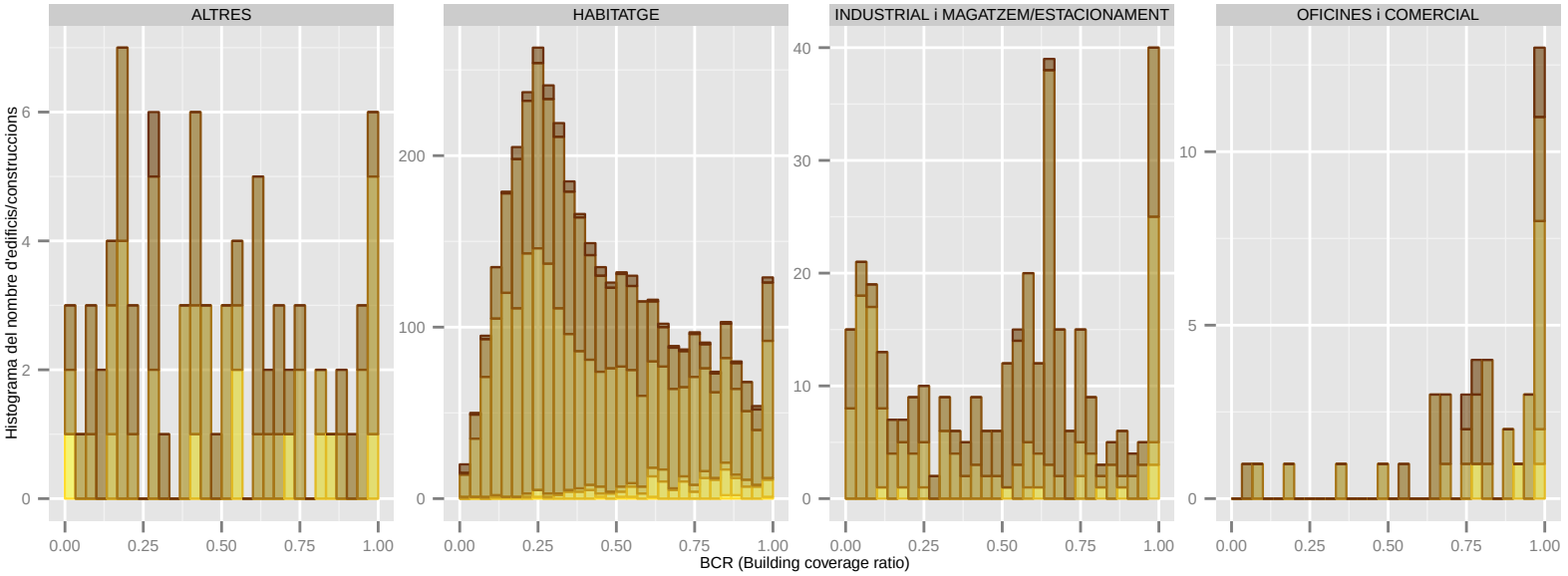
BCR (Building coverage ratio): SANT VICENÃ‡ DELS HORTS





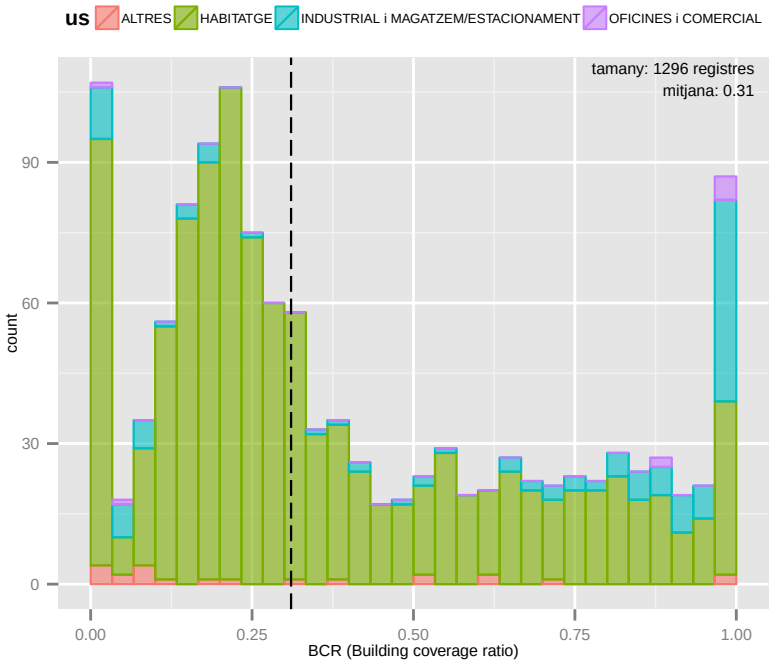


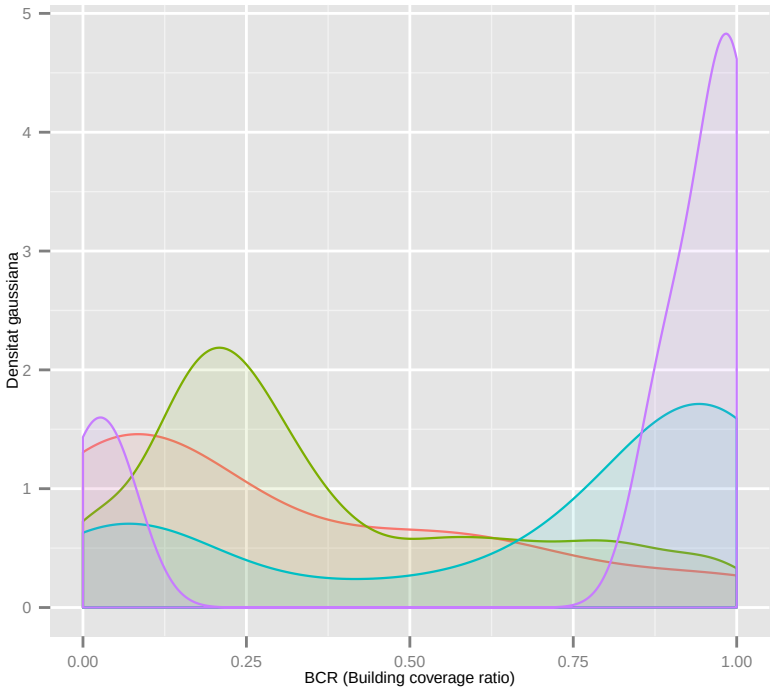


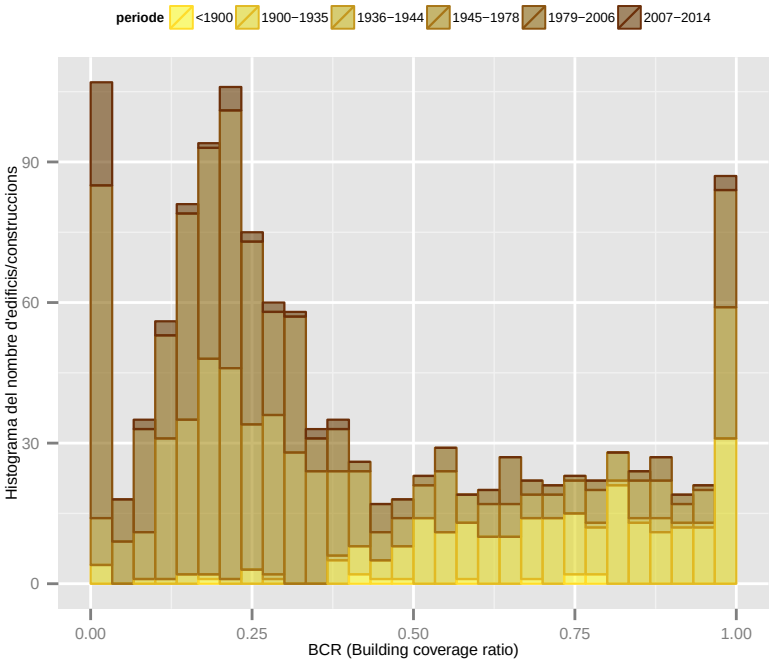


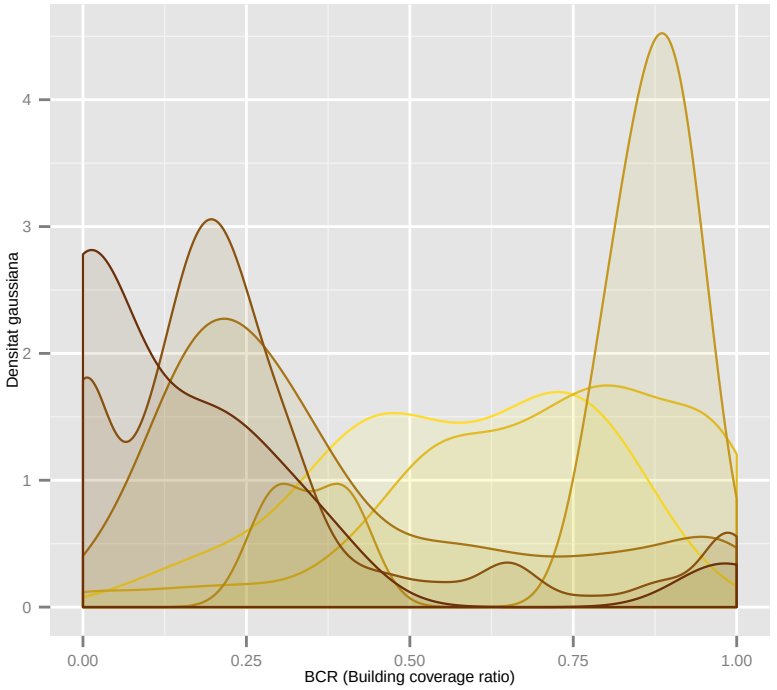
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

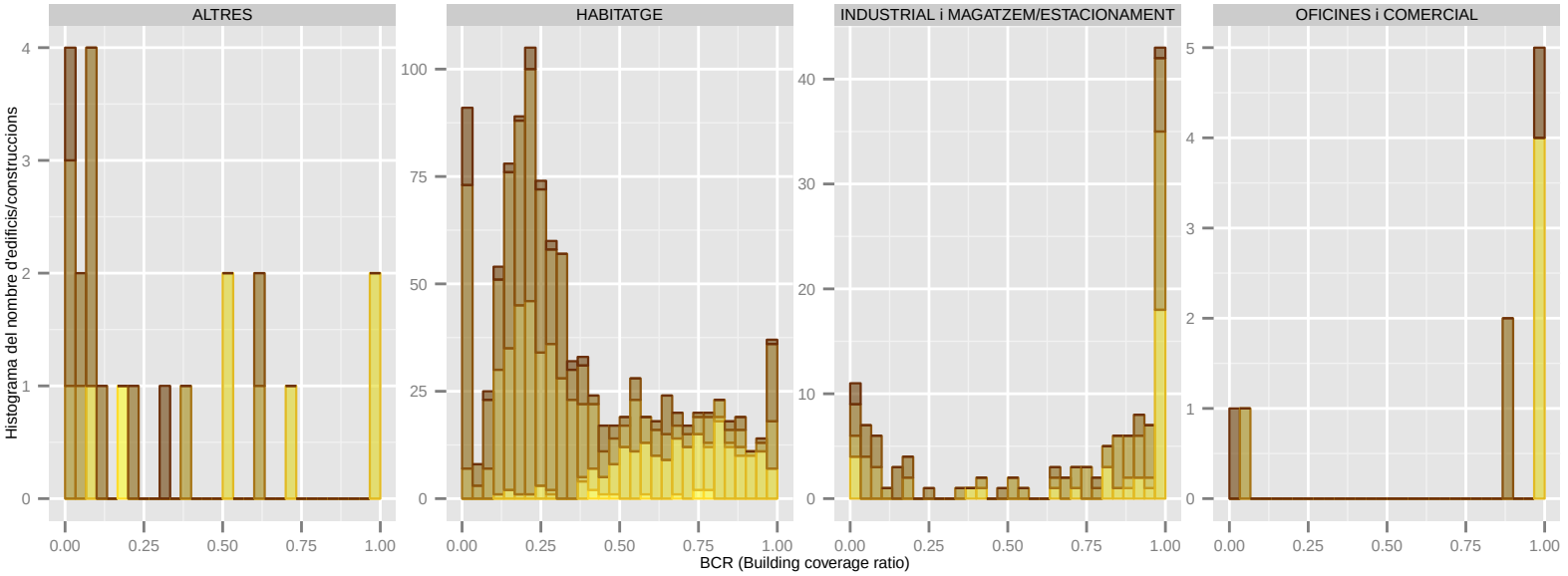
BCR (Building coverage ratio): SANTA COLOMA DE CERVELLO





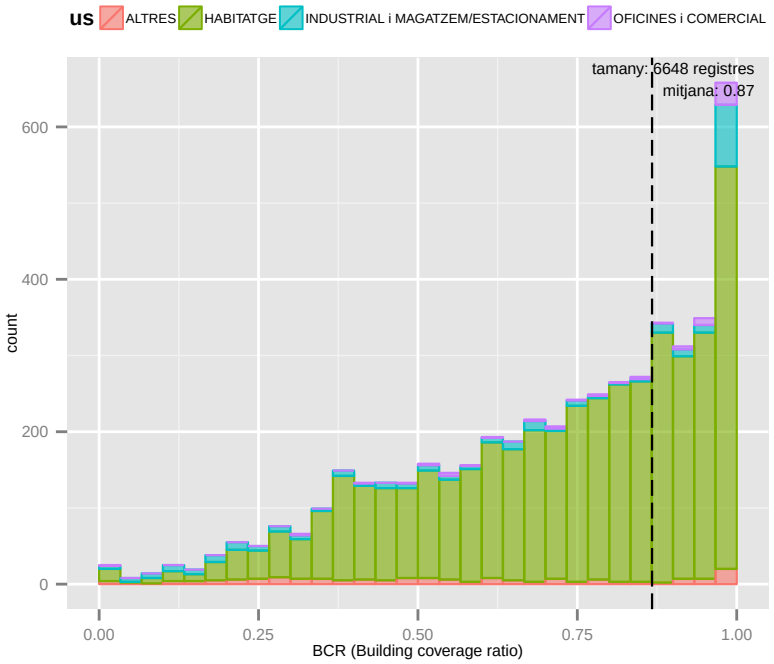


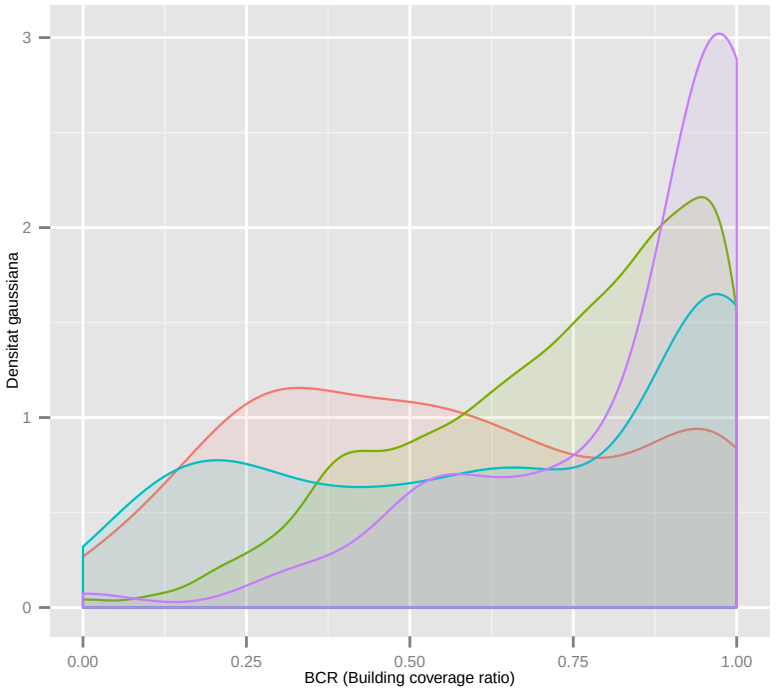


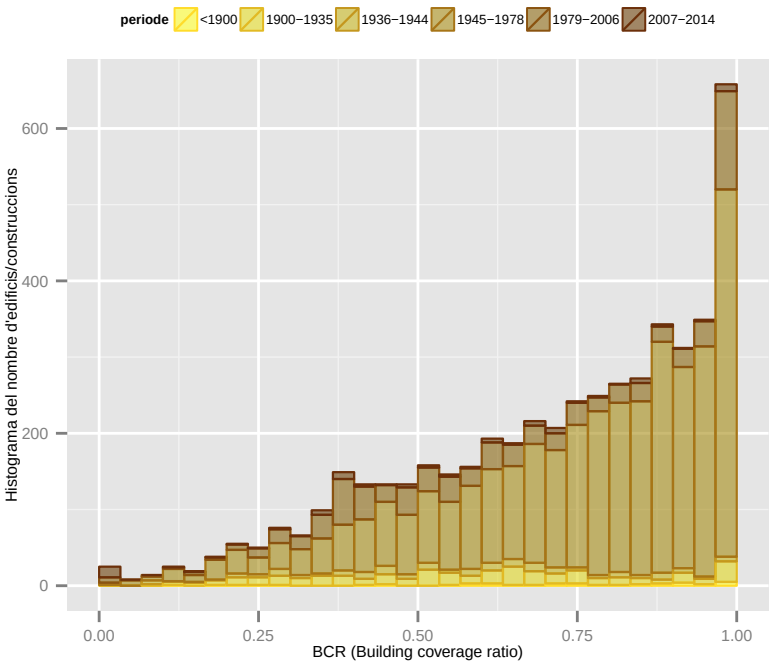


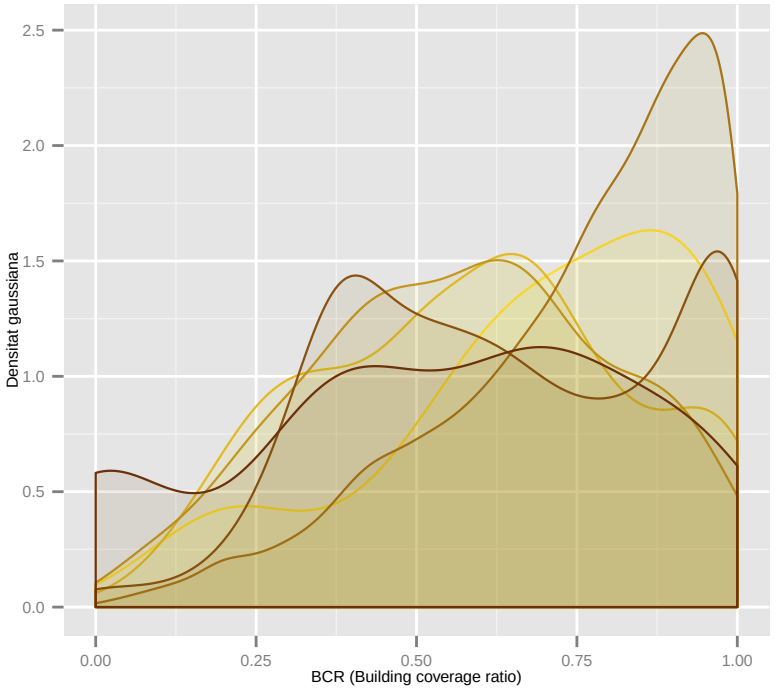
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

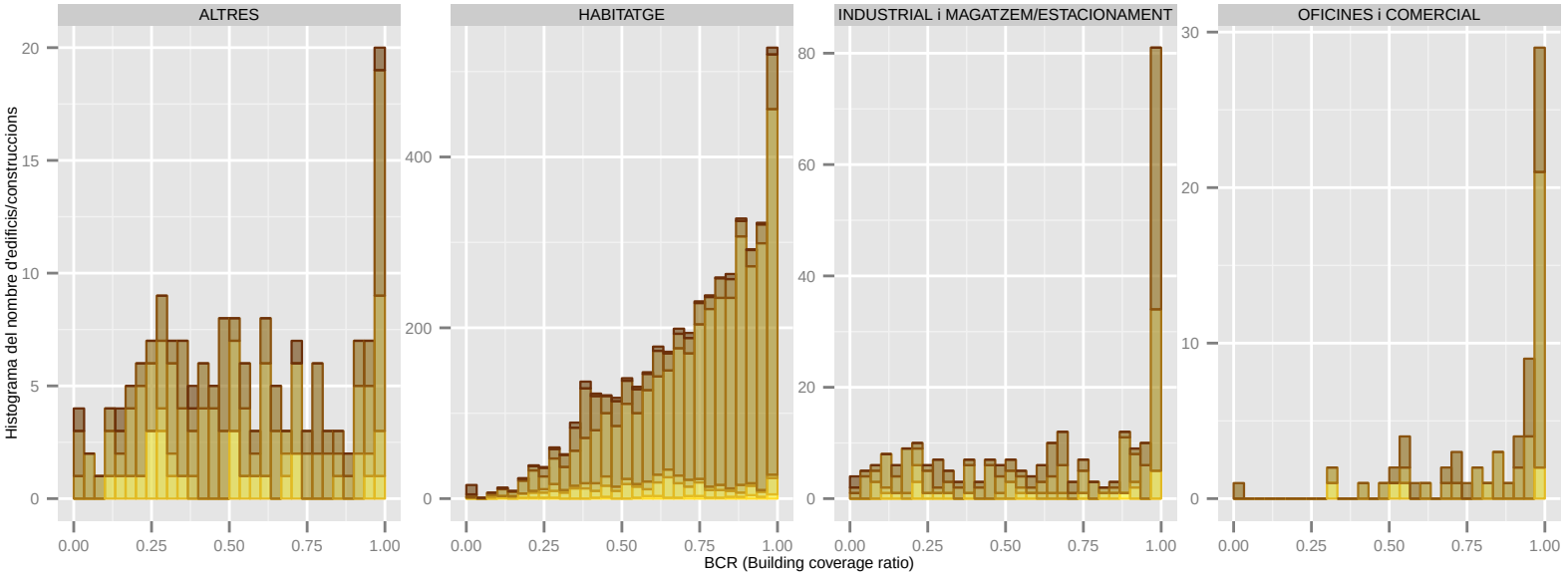
BCR (Building coverage ratio): SANTA COLOMA DE GRAMENET





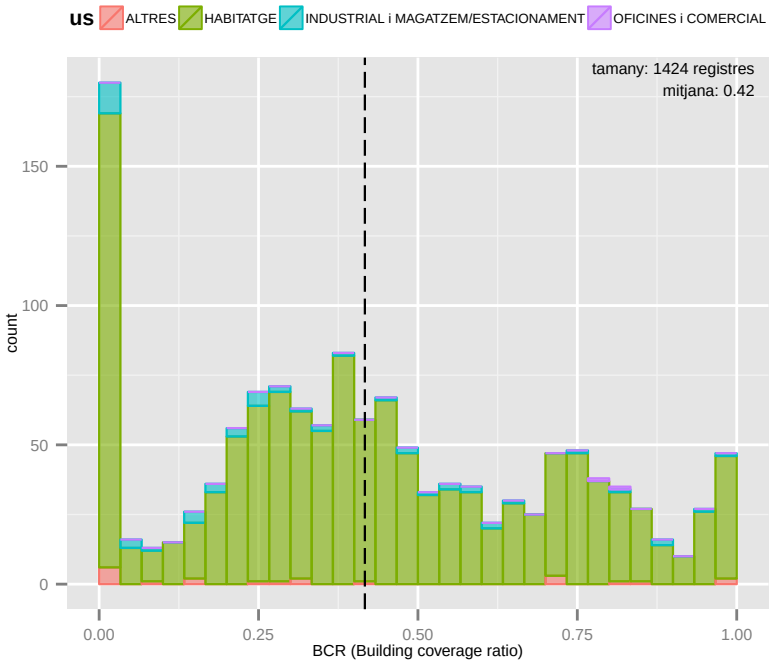


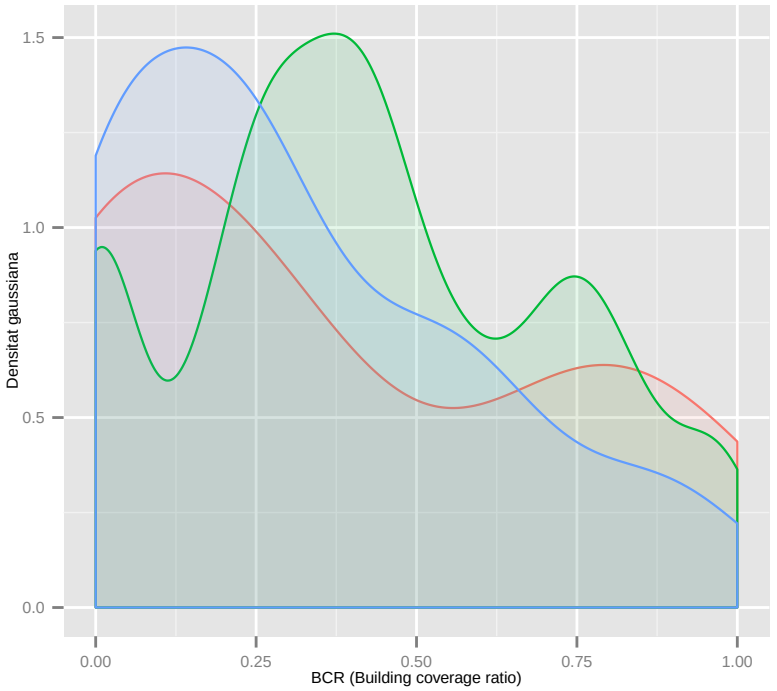


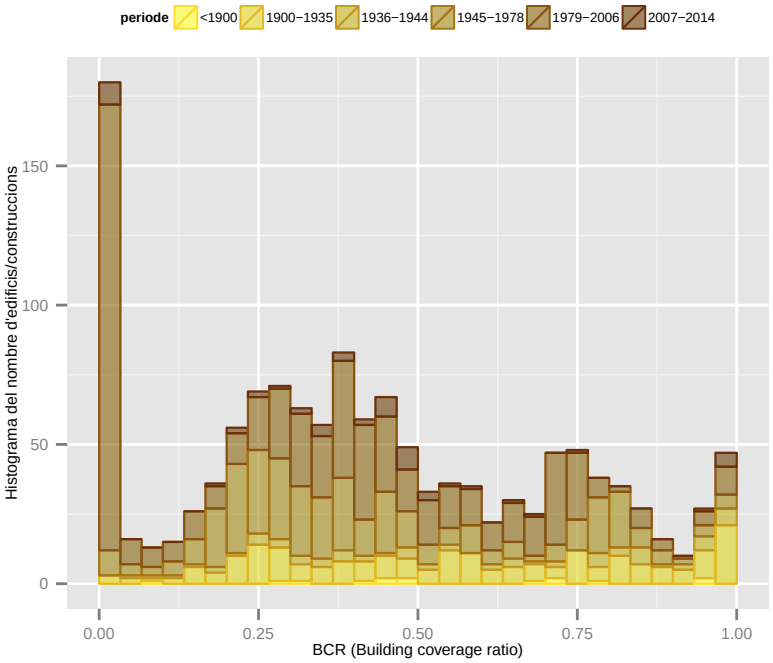


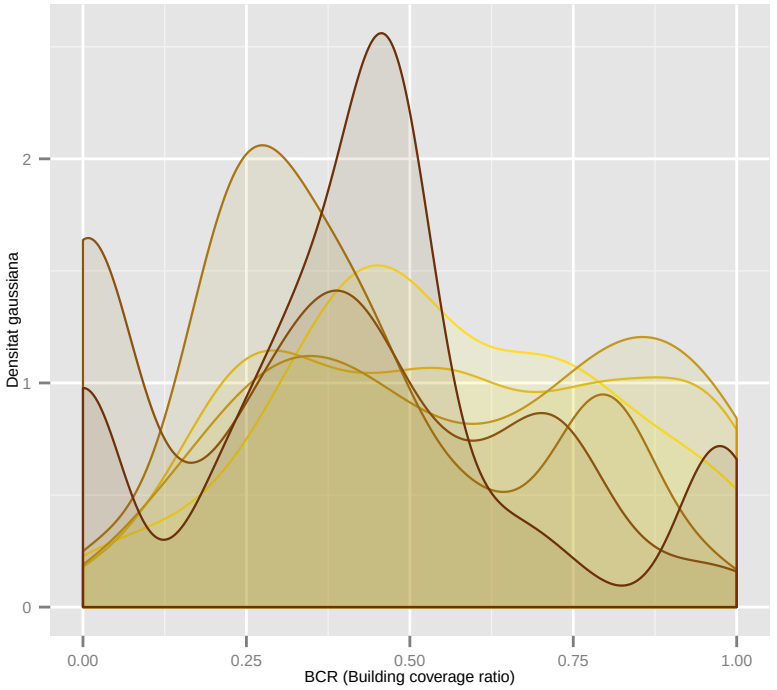
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

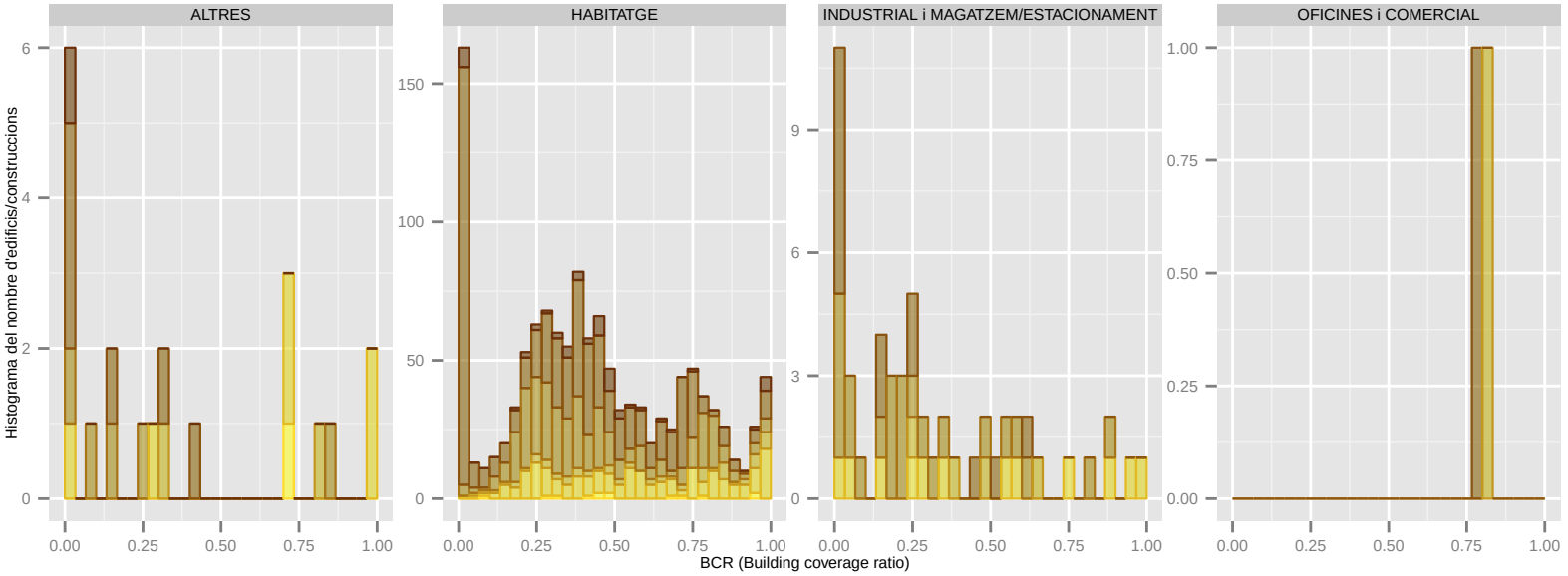
BCR (Building coverage ratio): TIANA





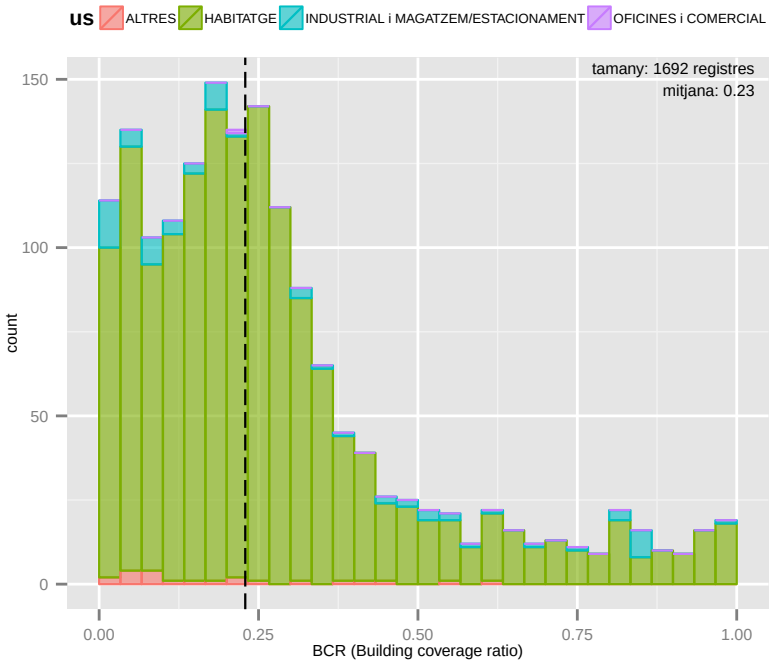


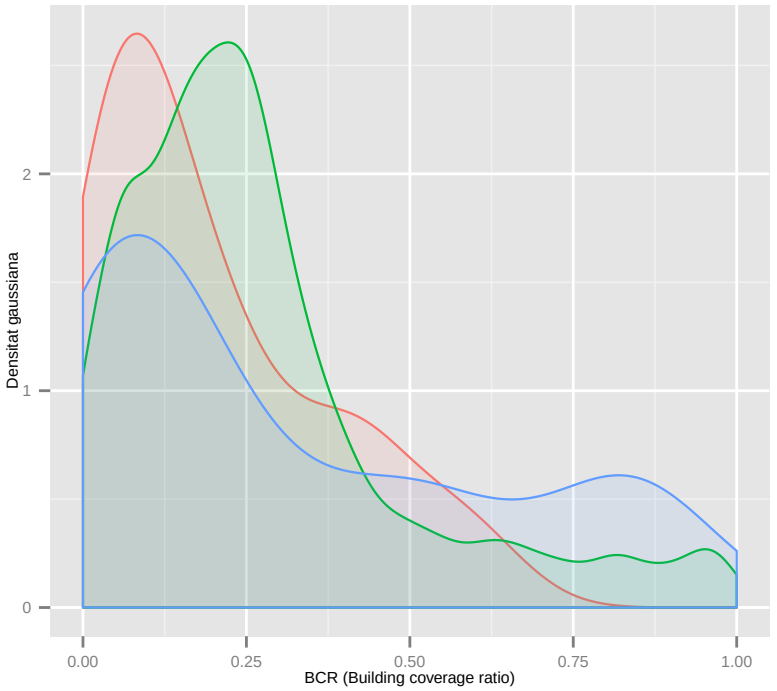


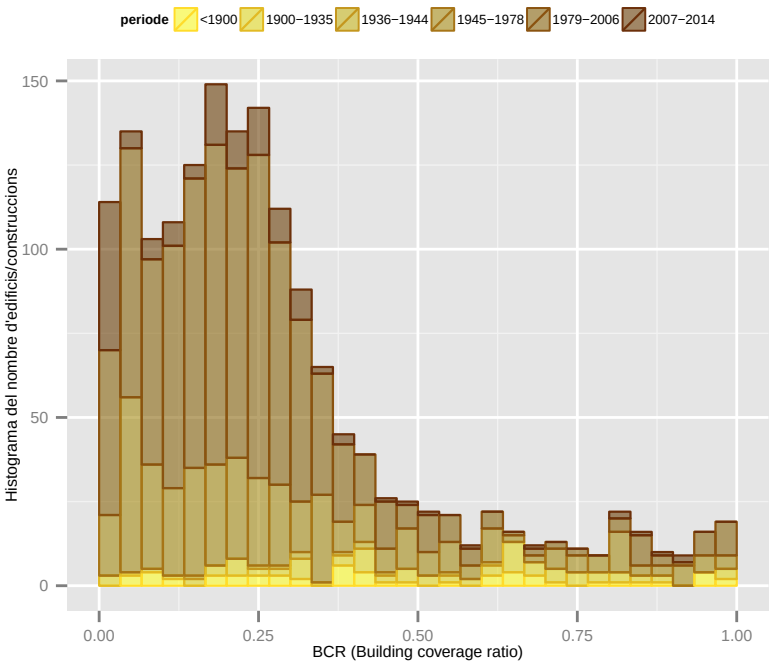


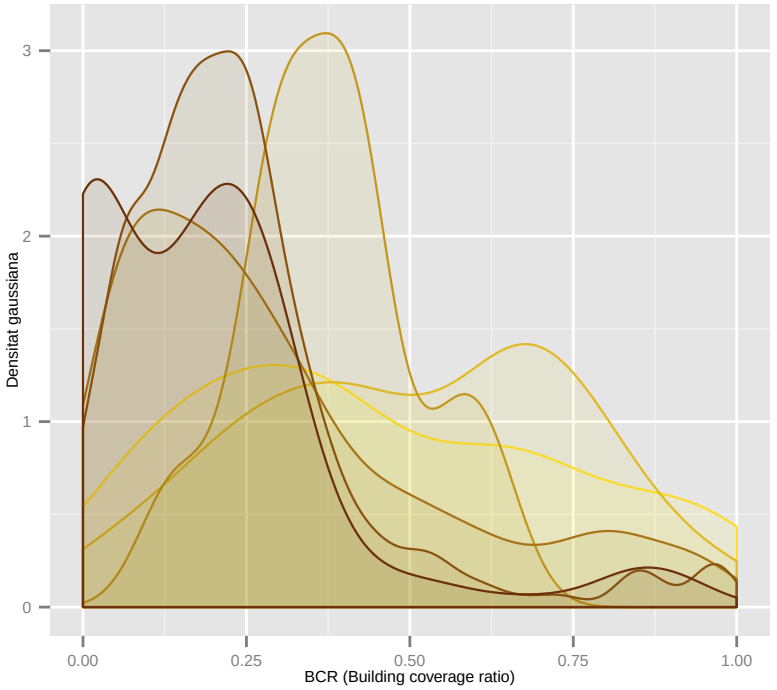
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

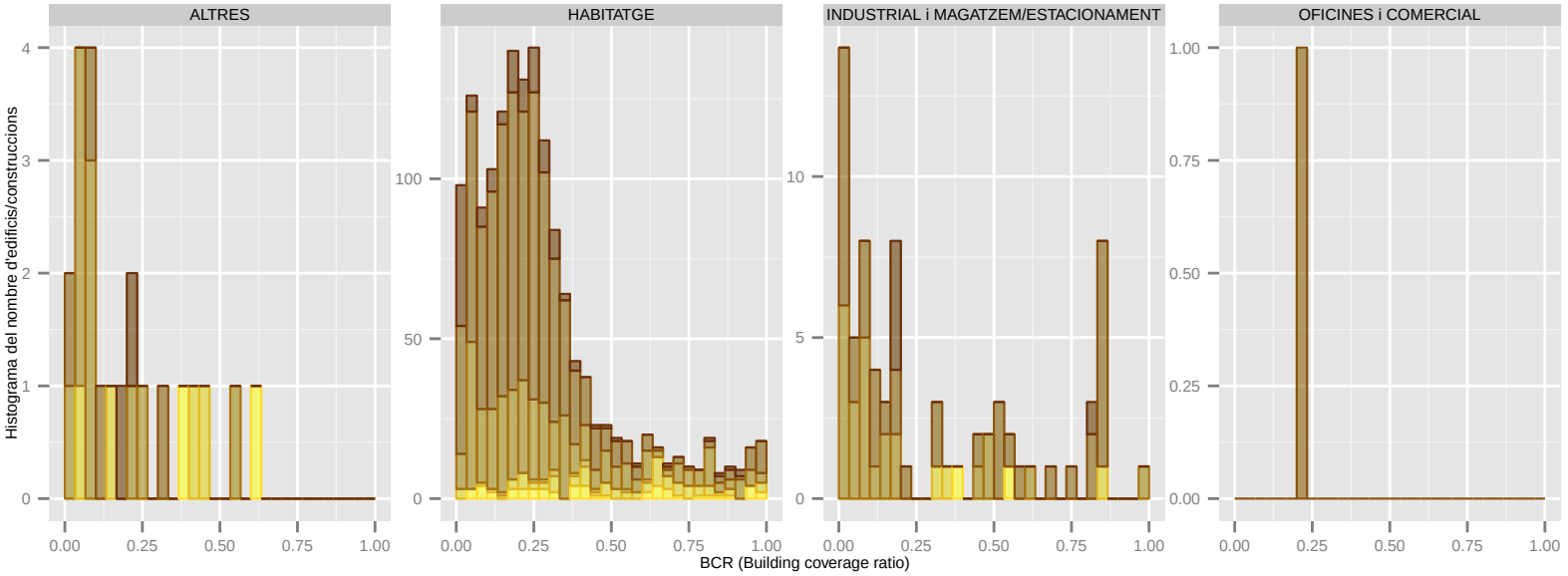
BCR (Building coverage ratio): TORRELLES DE LLOBREGAT





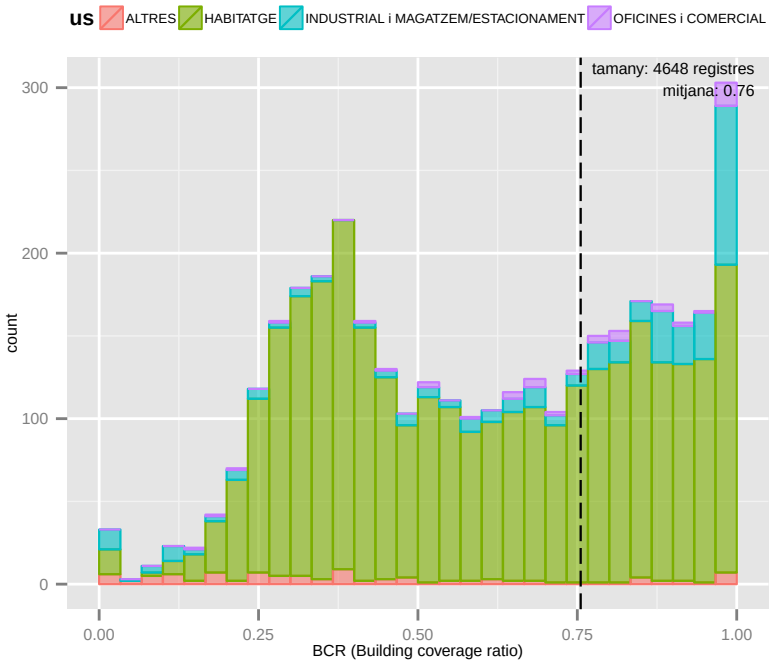


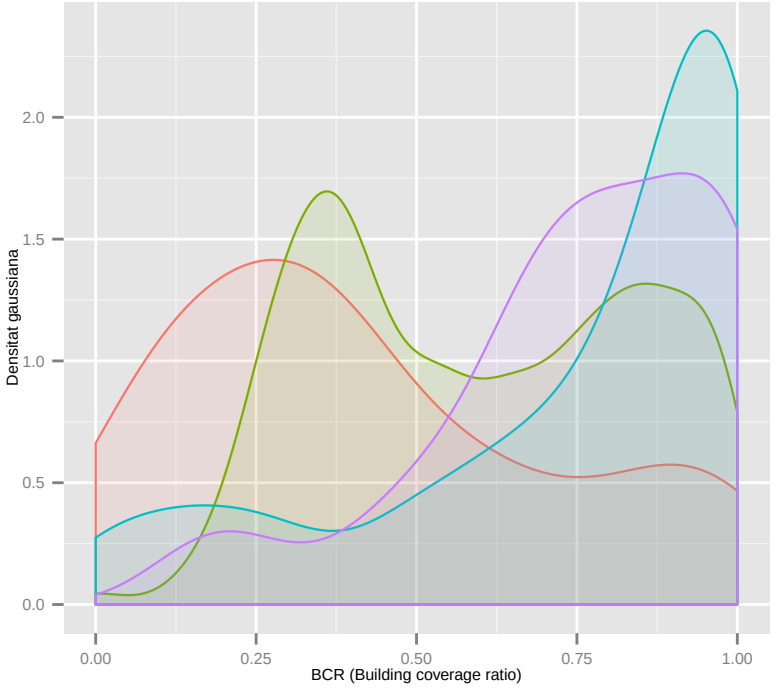


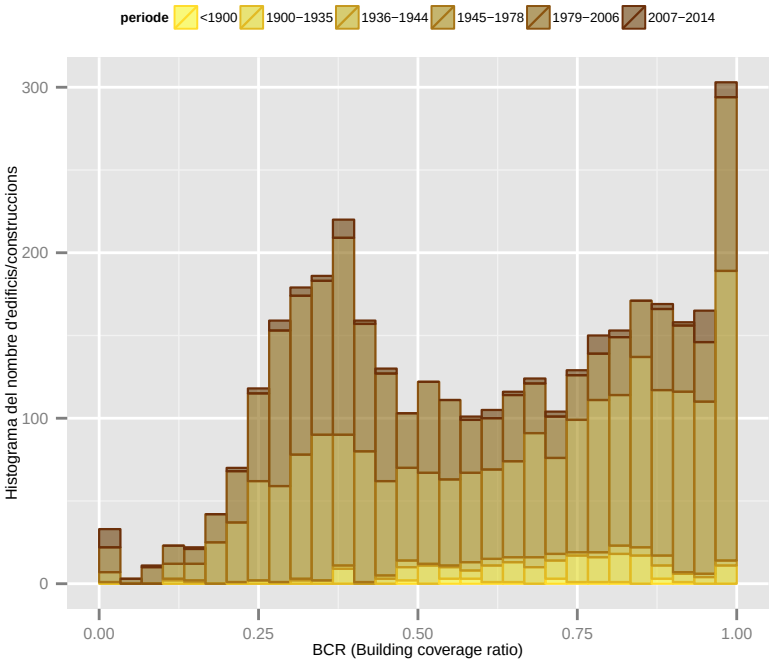


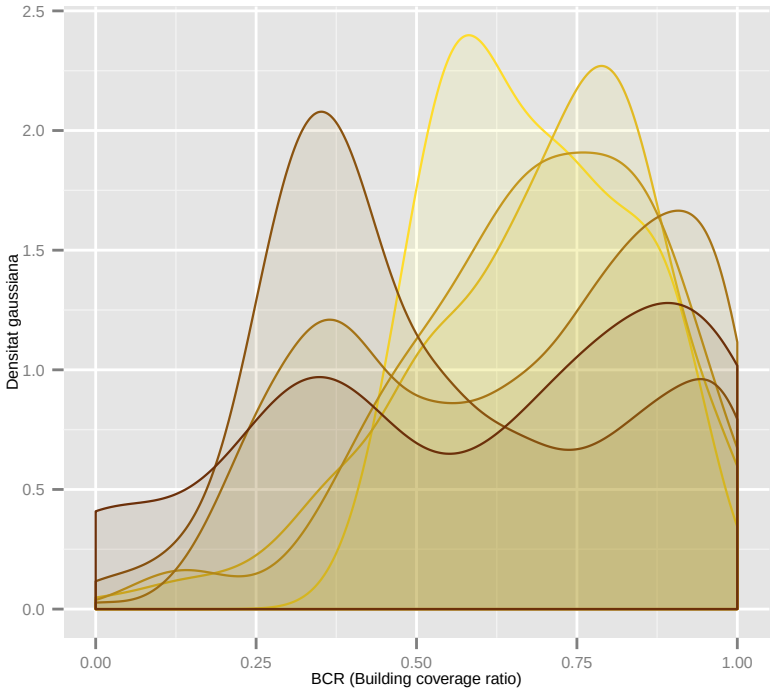
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

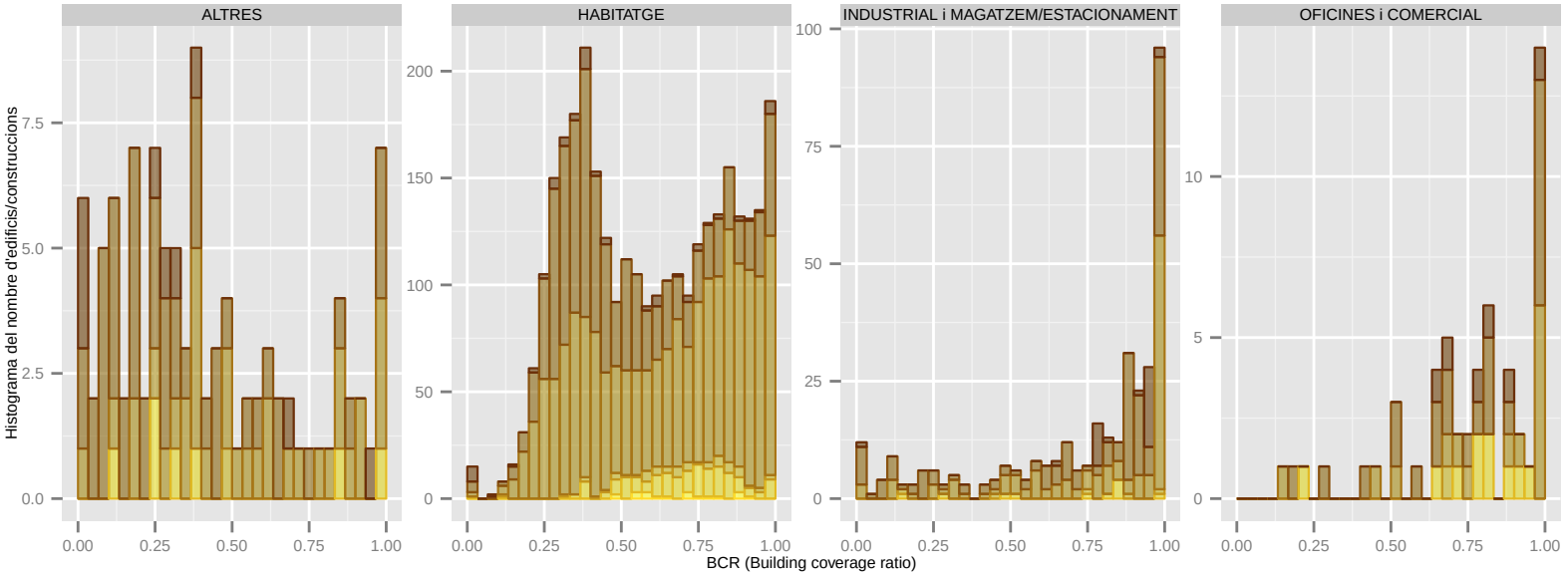
BCR (Building coverage ratio): VILADECANS









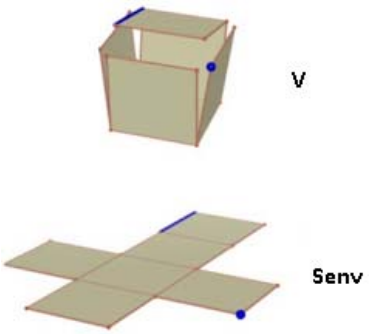


Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

8. COMPACITAT [COMPACTNESS]

La Compacitat [Compactness] d'un edifici és la relació entre el volum d'un edifici i la seva superfície exposada a l'exterior. La compacitat és un factor important que pot influir en l'increment o reducció de la demanda tèrmica dels espais que requereixen calefacció i/o climatització dels edificis.

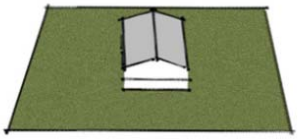
Taula 5: Fórmula aplicada i exemples gràfics

	COMPACTNESS
	$$COMPACTNESS = \frac{V}{Sexp} = \frac{volum\ de\ l'edifici\ [m^3]}{superfície\ exposada\ [m^2]}$$ On: *superfície exposada* = superfície de façana + superfície de coberta + superfície de l'edifici en contacte amb el terra NOTA: Hi ha un altre indicador equivalent que és el: **SURFACE TO VOLUME RATIO = superfície de la pell externa de l'edifici / volum de l'edifici** Per tant: el ***SURFACE TO VOLUME RATIO*** és ser similar a la inversa del Compactness

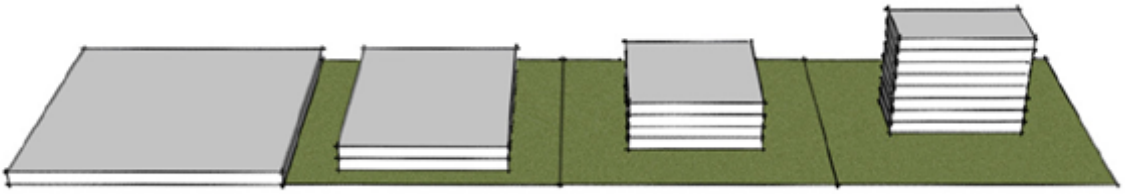
FONT: Barcelona Regional

La revisió dels resultats estadístics mostra com el valor de la mitjana de la compacitat a l'AMB és de 2,16 tot i que la mostra indica que hi ha edificis de més de 6. El municipi amb major compactness és L'Hospitalet de Llobregat amb 2,73, li segueixen de prop Badia del Vallès i Barcelona amb 2,66 i 2,63 respectivament. El municipi amb la mitjana del compactness més baix és Corberà del Llobregat amb un valor de 1,34.

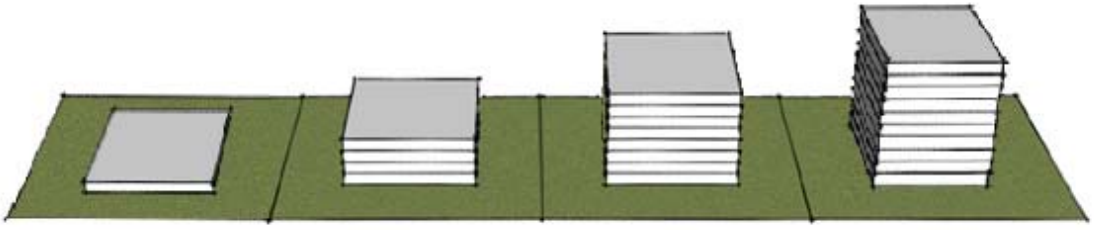
Exemples numèrics de Compactness per edificis a 4 vents.



Compactness: 1,4

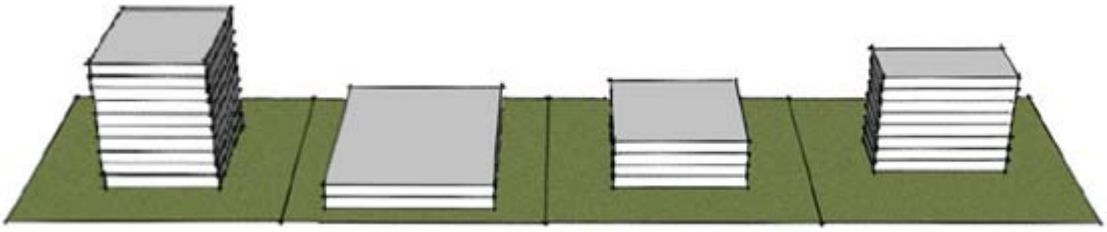


Compactness: 1,7 2,7 3,5 3,4



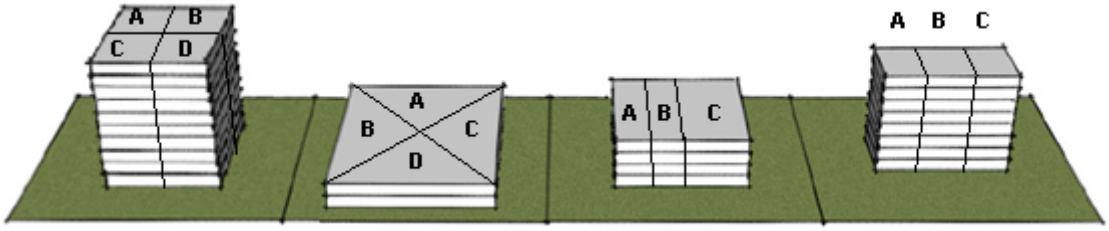
Compactness: 1,5 3,5 4,5 4,8

FONT: gràfics de The Ontario Plan adaptats per Barcelona Regional.



Compactness: 4,8 2,7 3,5 3,4

Exemples numèrics de Compactness per edificis junts.



Compactn.: A: 4,8	**A: 2,7**	**A: 2,7**	**A: 3,0**
Compactn.: B: 4,8	**B: 2,7**	**B: 4,9**	**B: 4,6**
Compactn.: C: 4,8	**C: 2,7**	**C: 3,5**	**C: 3,0**
Compactn.: D: 4,8	**D: 2,7**	---------	---------

FONT: gràfics de The Ontario Plan adaptats per Barcelona Regional.

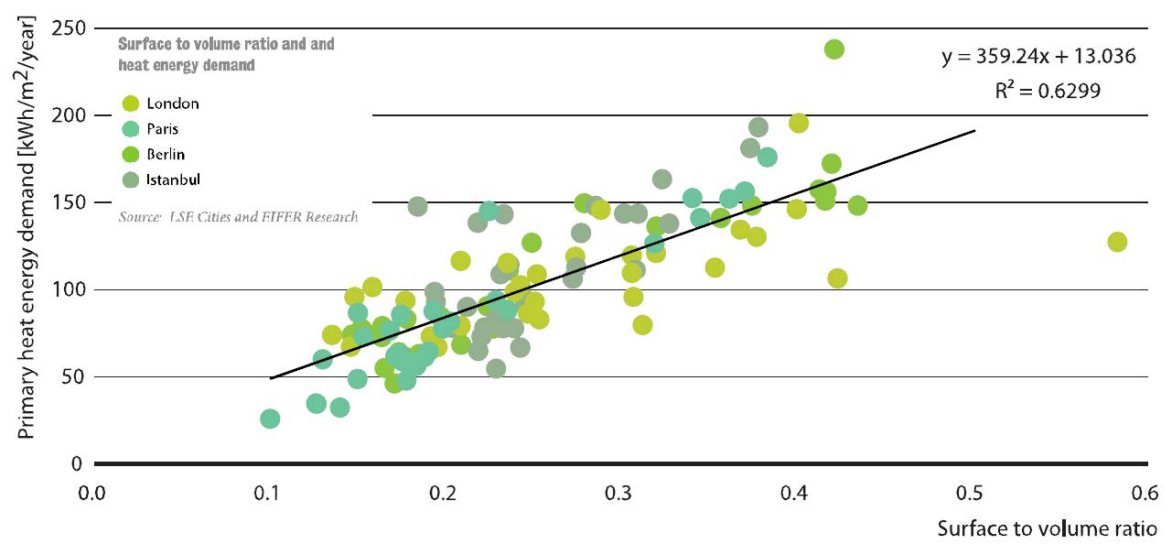
Incidència en el consum d'energia:

Un dels factors que major impacte té en la demanda energètica dels edificis (fins i tot més que la forma i orientació de l'edifici) i especialment en aquells edificis de mitjana i gran dimensions, és la relació entre la superfície de la pell de l'edifici i la superfície construïda. Aquest rati a Europa té una equivalència més que és el Compactness.

Des del punt de vista de demanada energètica, una major superfície de pell de l'edifici respecte el seu volum o superfície construïda tindrà major zones exposades a temperatures diferents de la interior i per tant tindrà majors pèrdues de calor o fred interior per les parets o per les finestres.

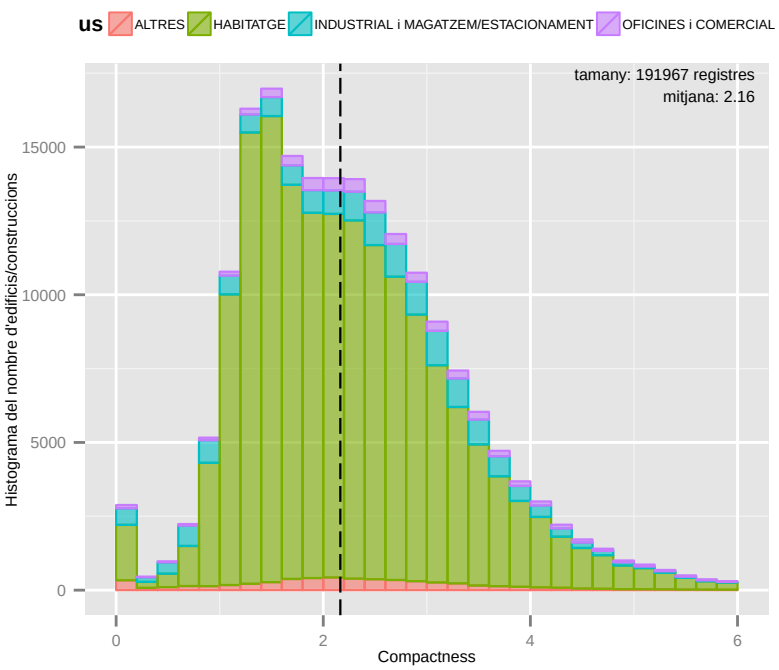
Per tant a major valor de Compactness menor demanda energètica, així com menors costos de construcció de l'edifici.

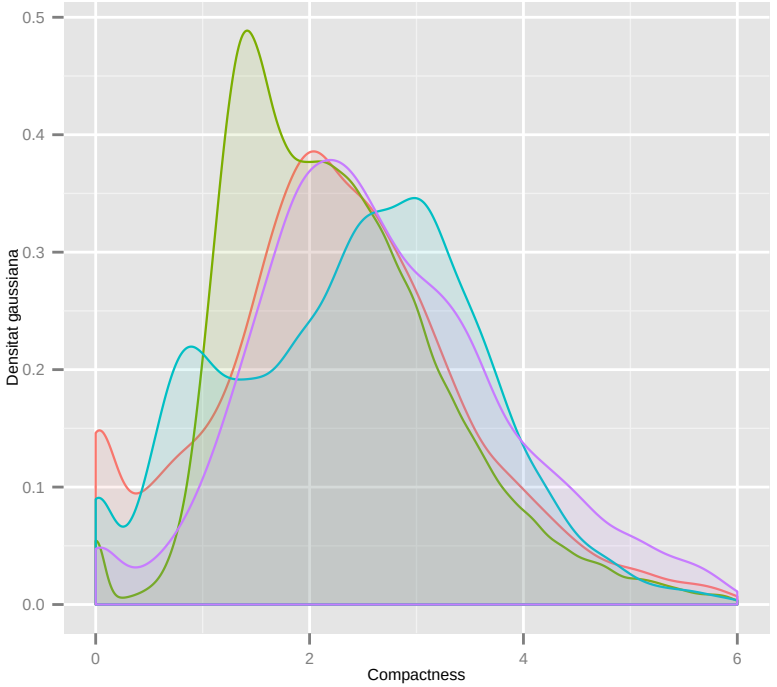
L'indicador equivalent al Compacteness és el SURFACE TO VOLUME RATIO que és similar a la inversa del Compactness, segons un estudi de la EIFER (European Institute for Energy Research) a major SURFACE TO VOLUME RATIO (i per tant menor Compactness) major consum energètic.

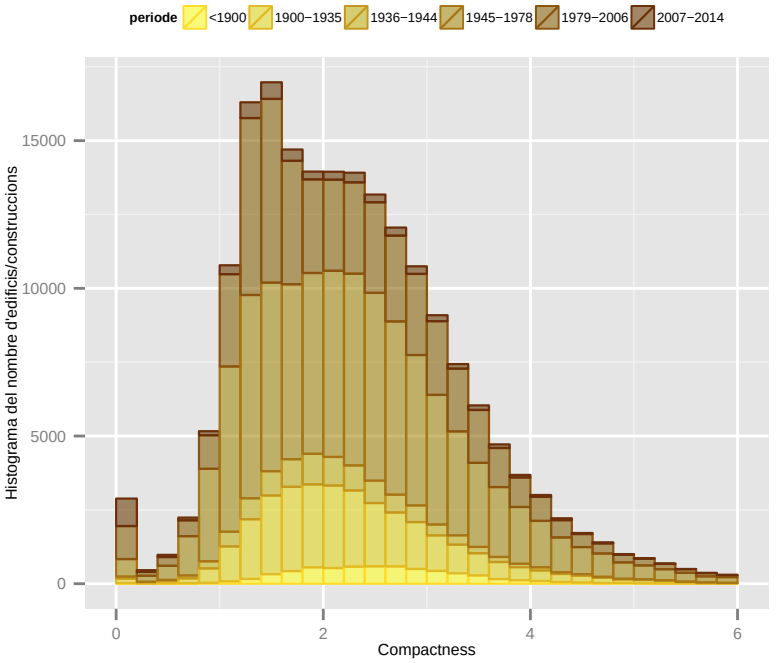


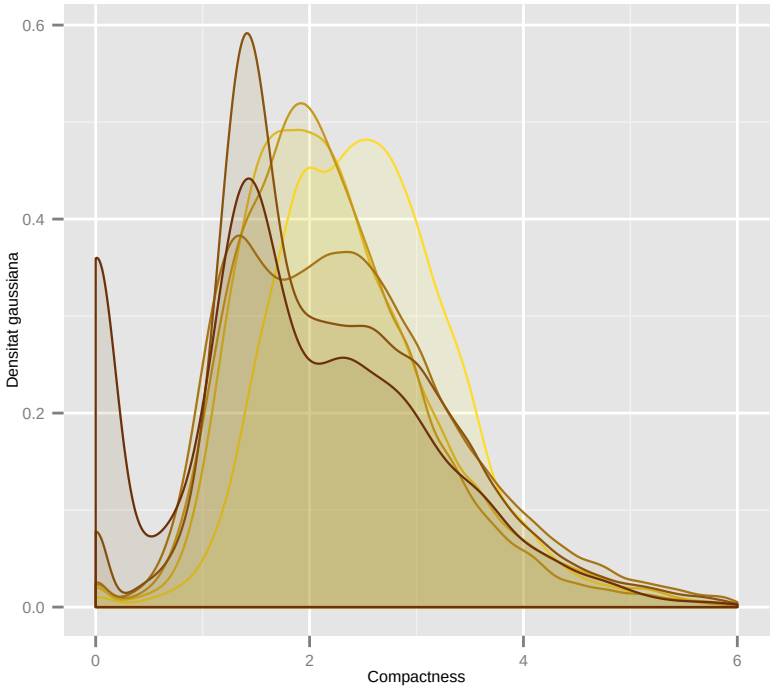
FONT: LSE Cities Seminar - Cities and Energy, EIFER

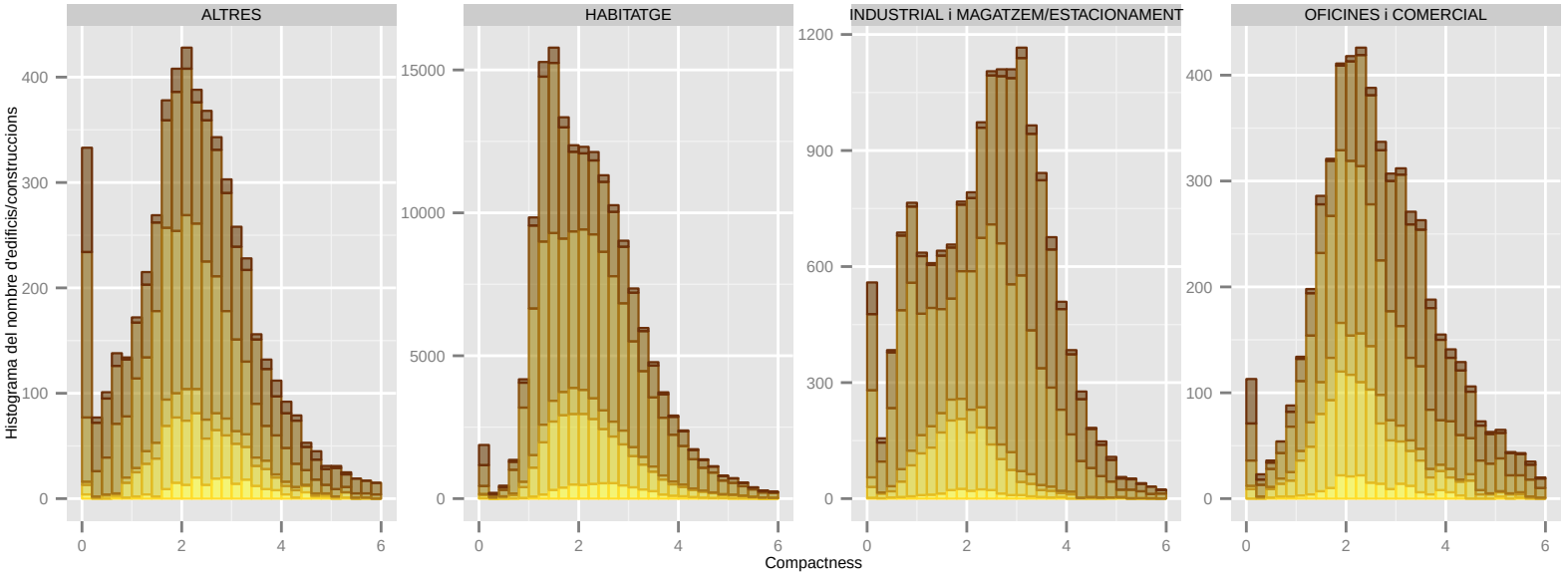
Compactness: AMB





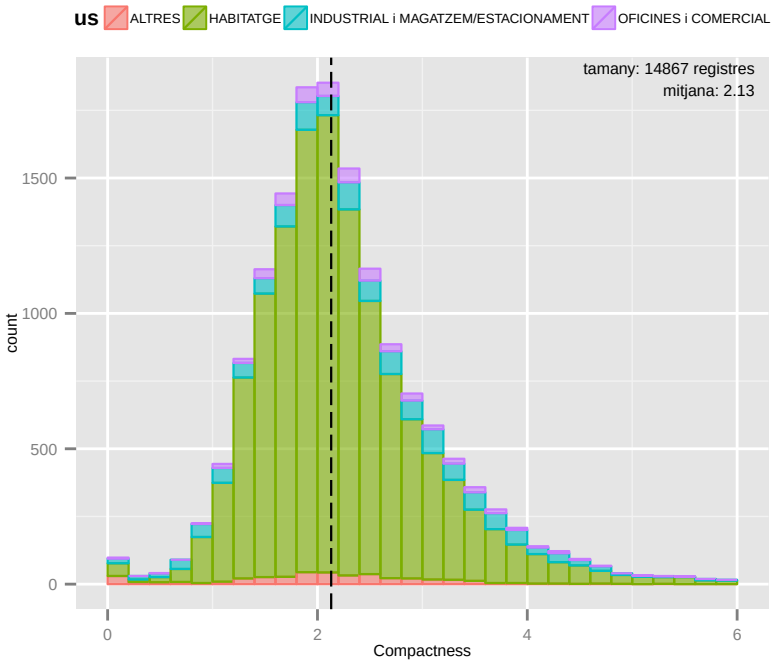


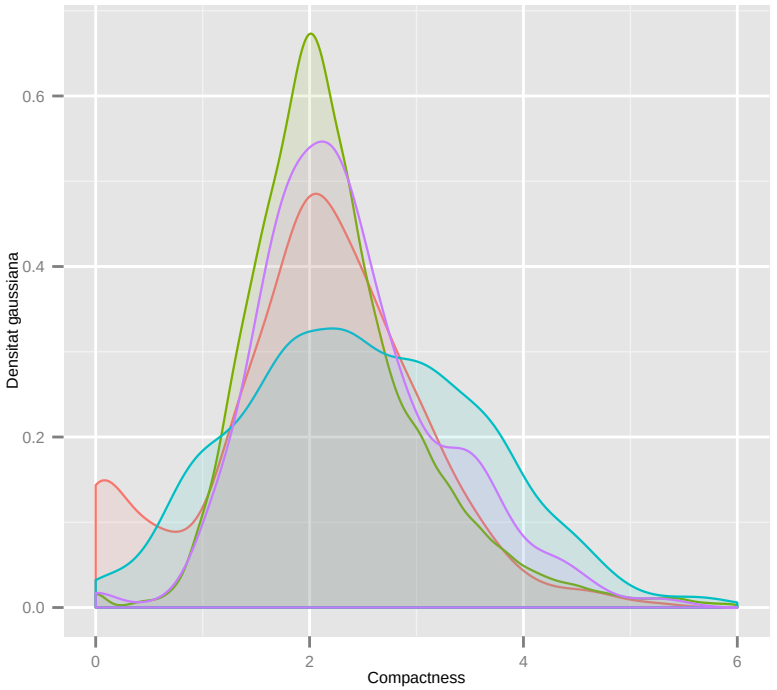


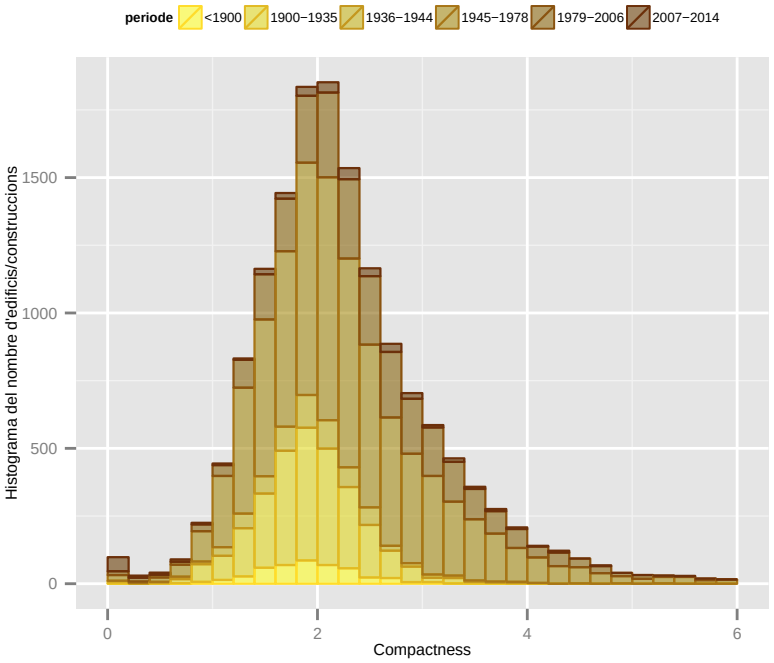


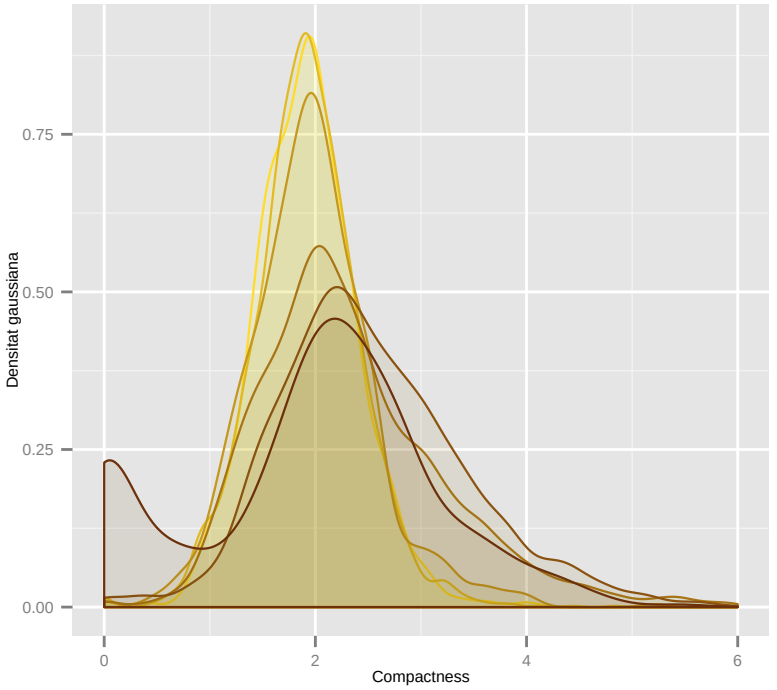
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

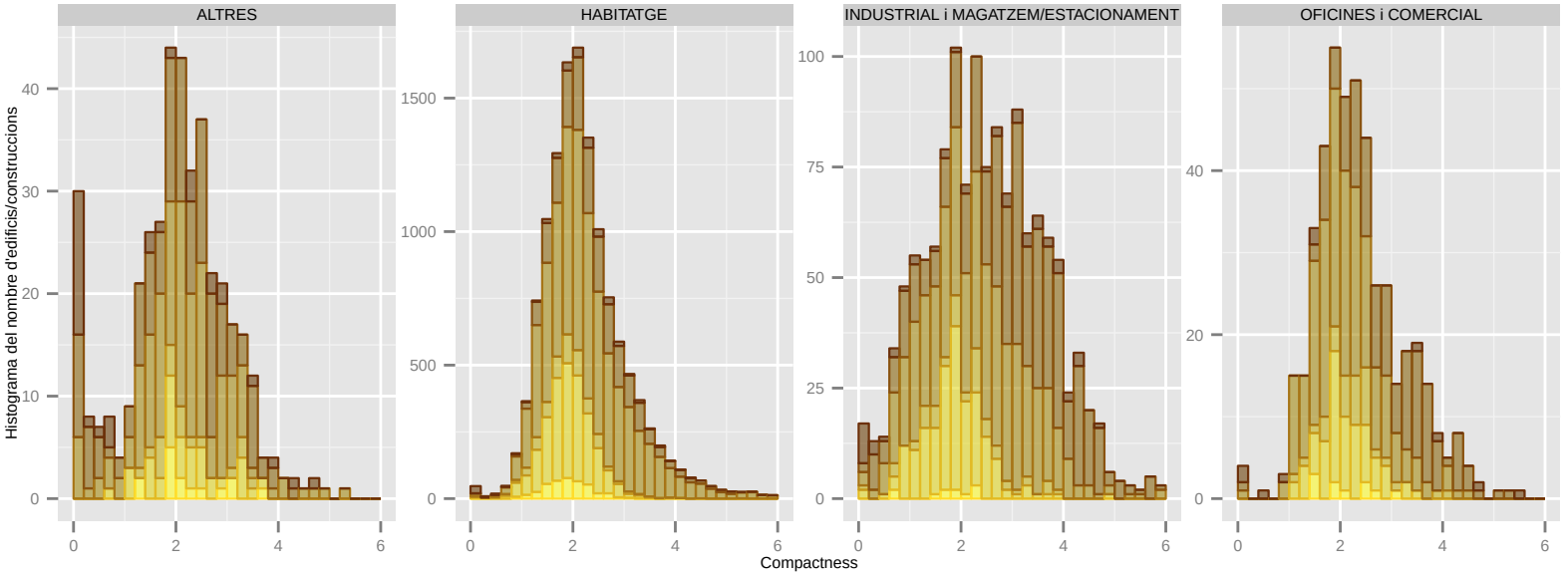
Compactness: BADALONA





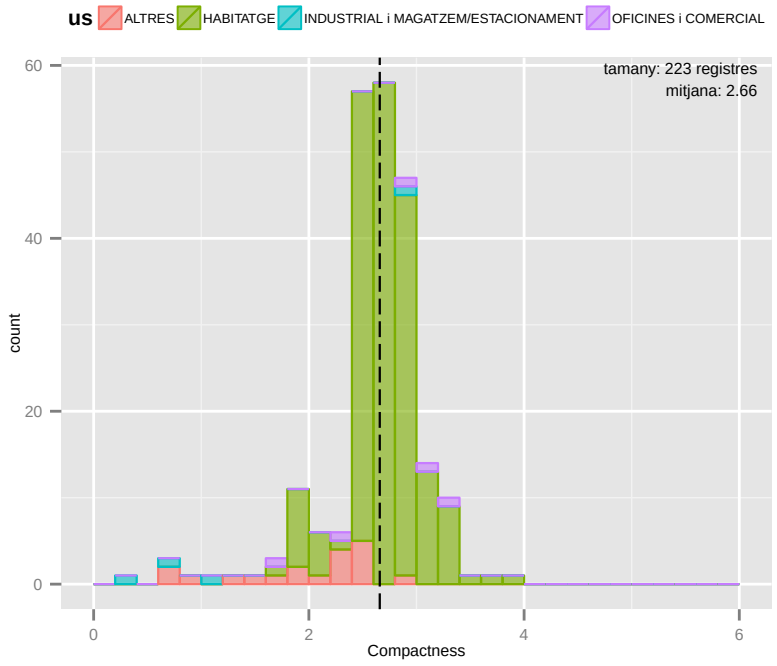


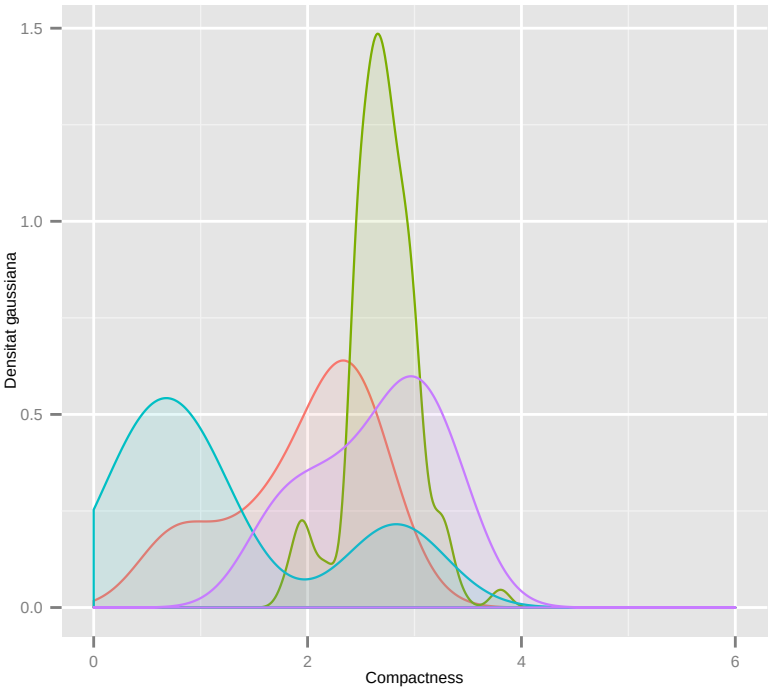


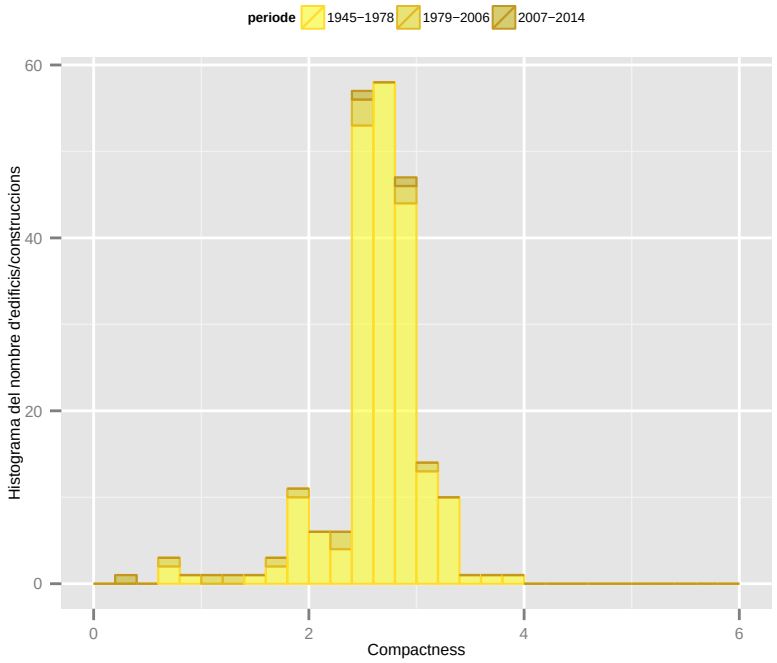


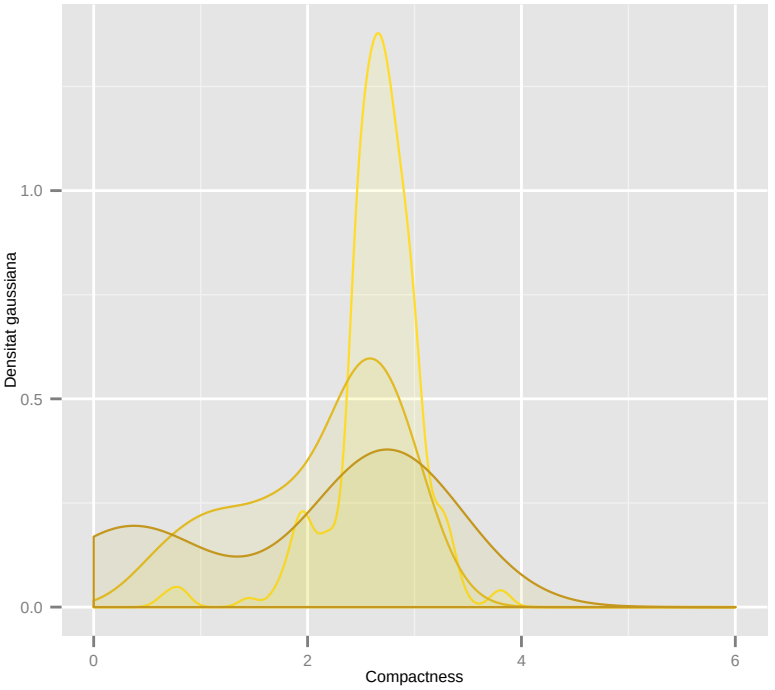
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

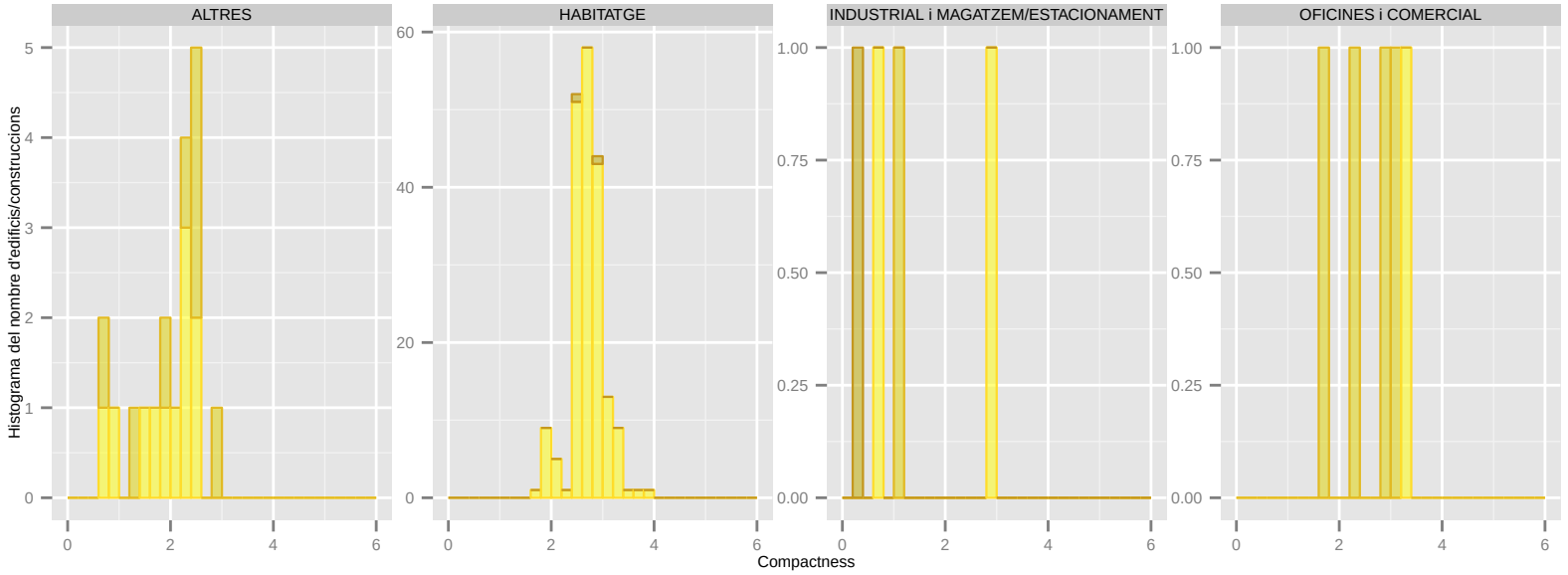
Compactness: BADIA DEL VALLES





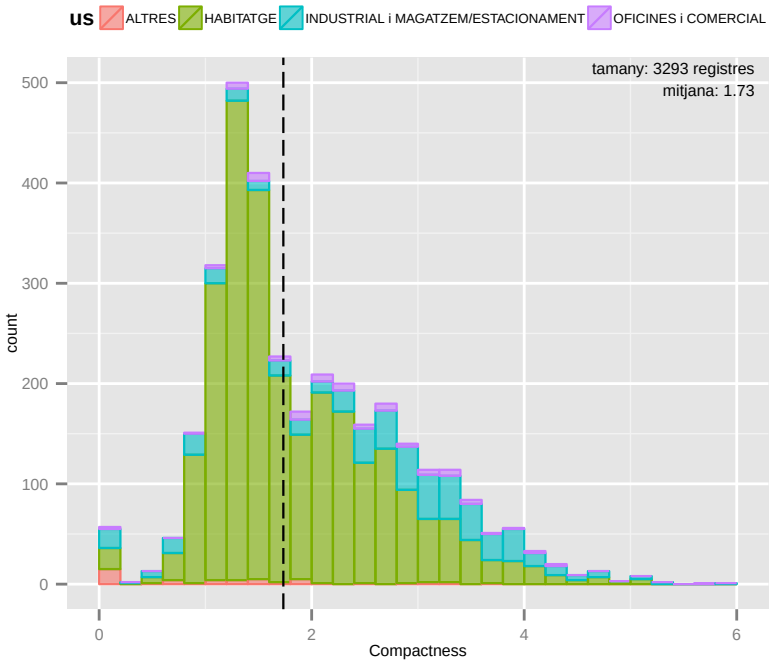


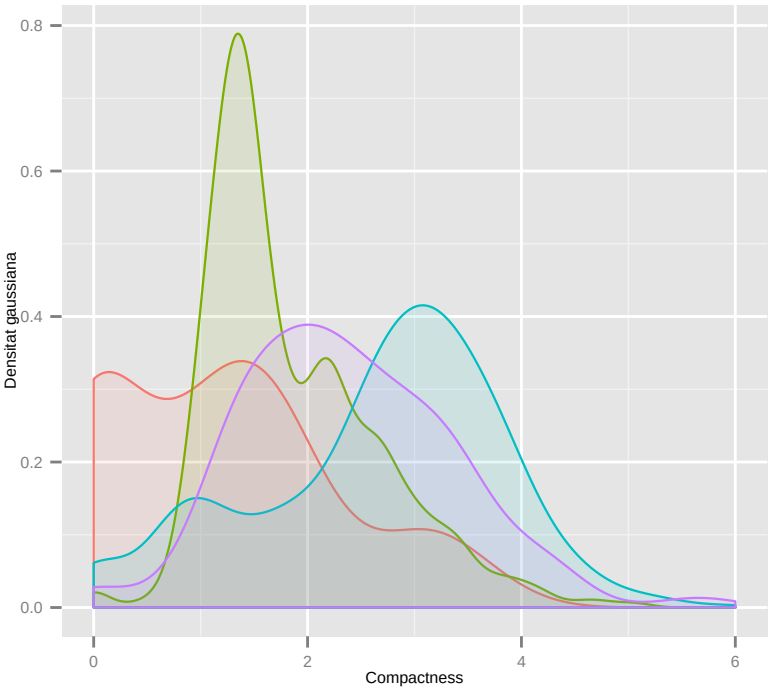


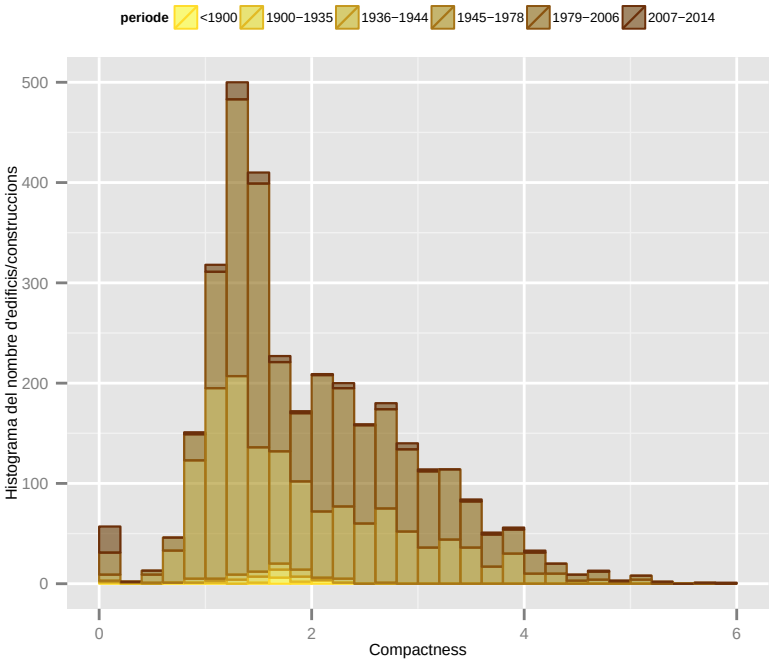


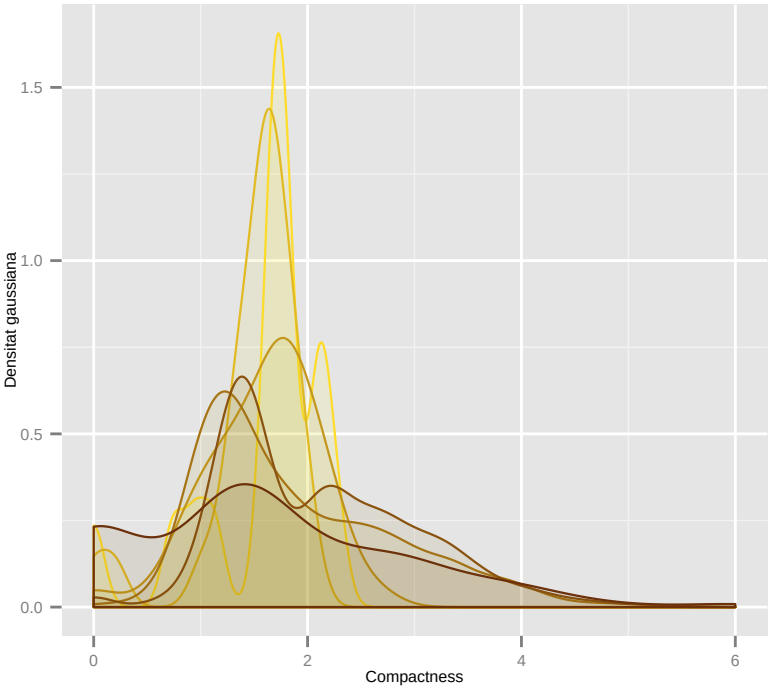
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

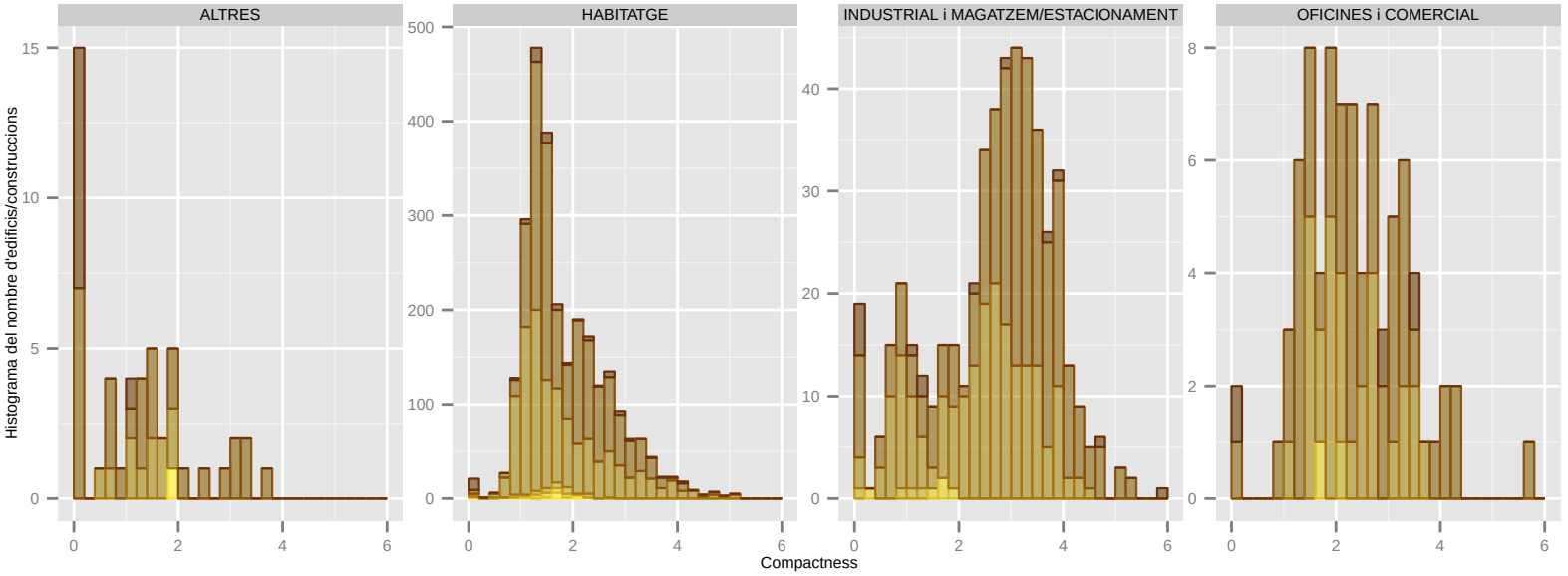
Compactness: BARBERA DEL VALLES





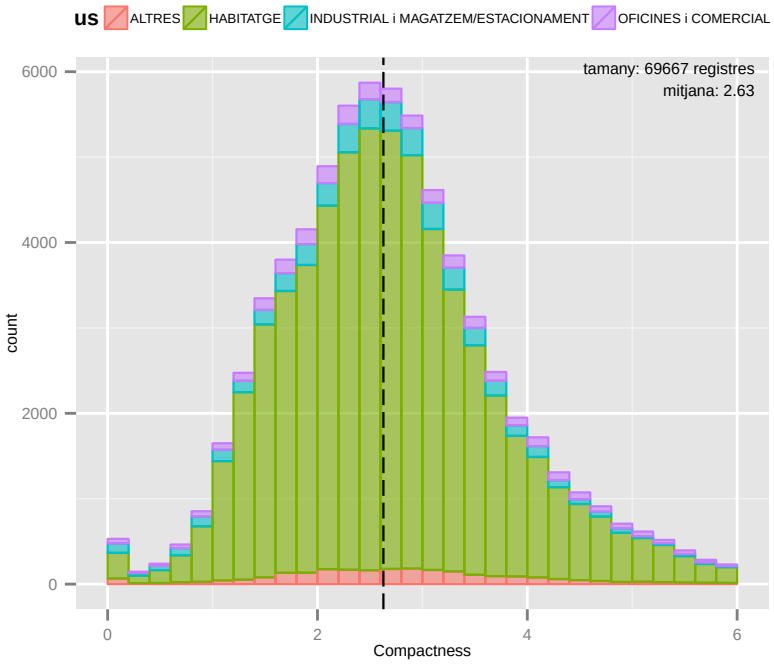


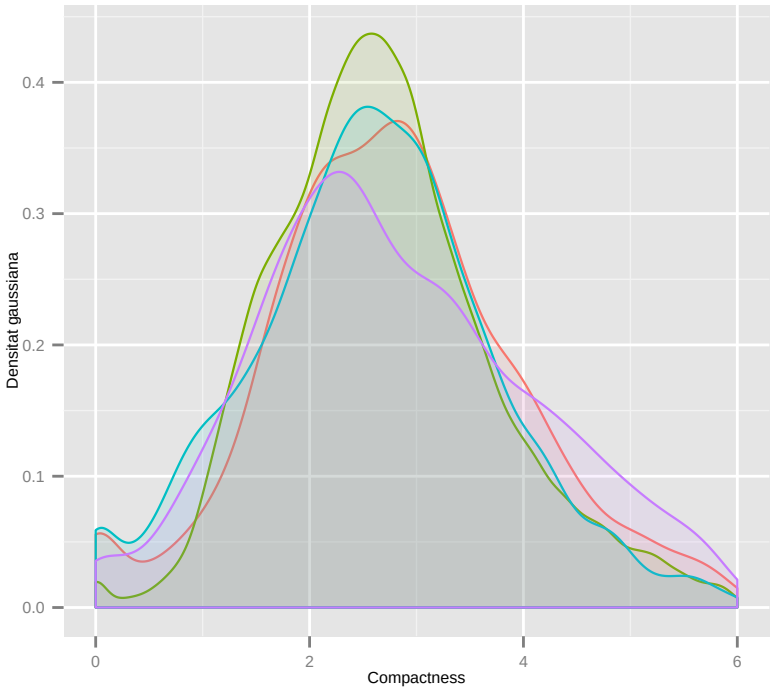


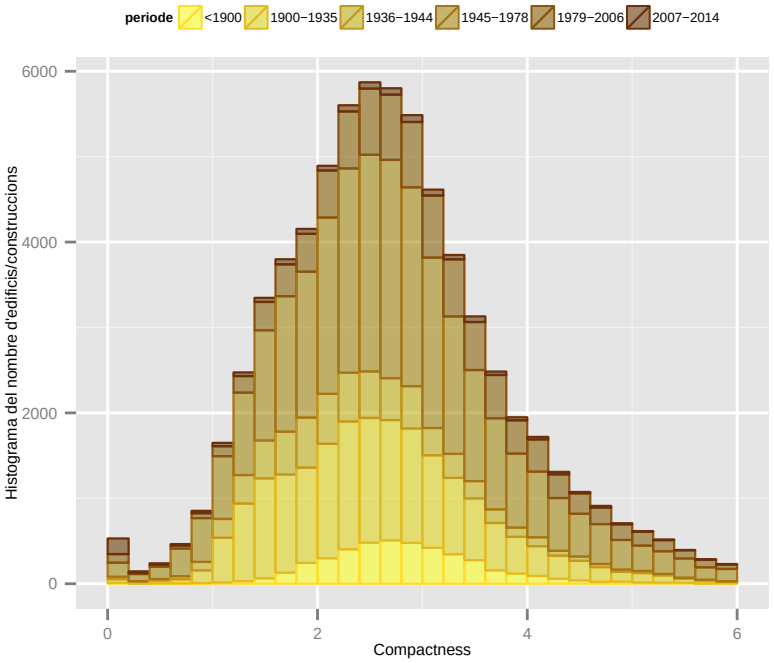


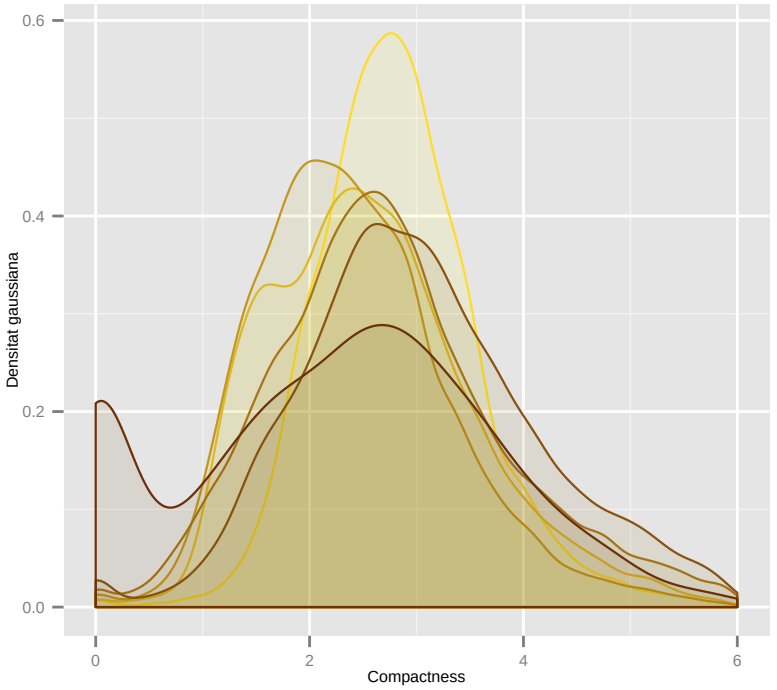
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

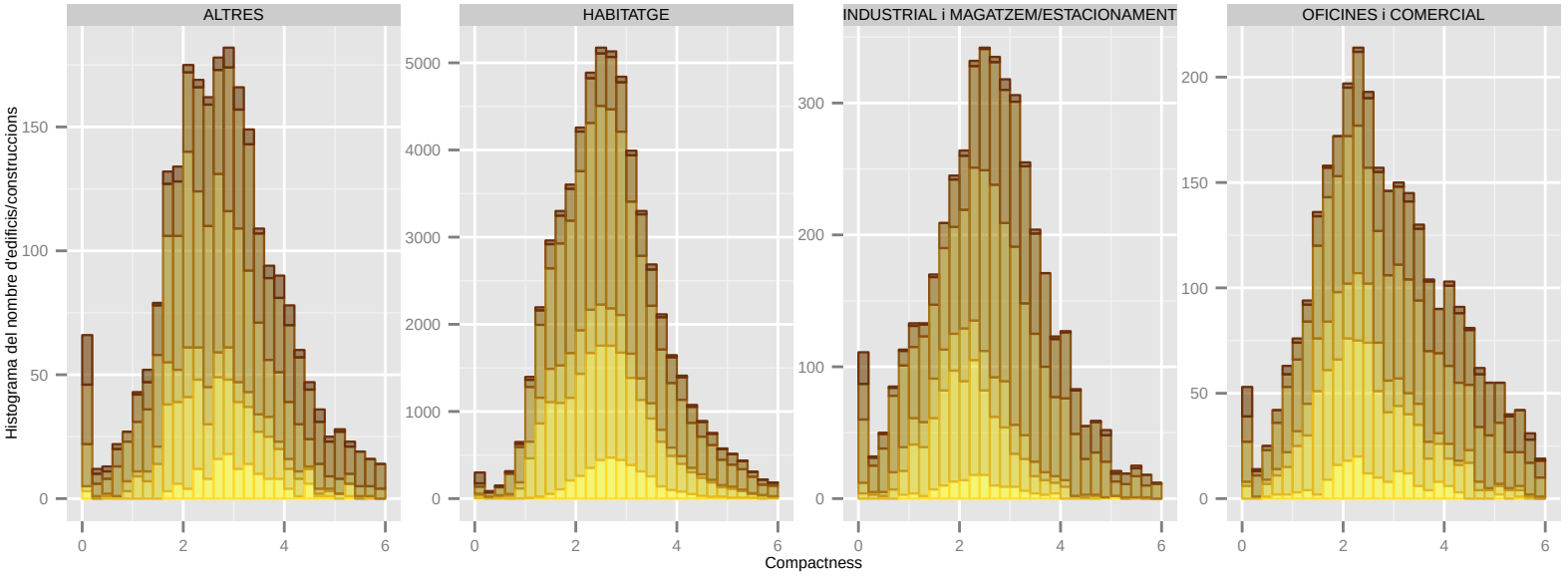
Compactness: BARCELONA











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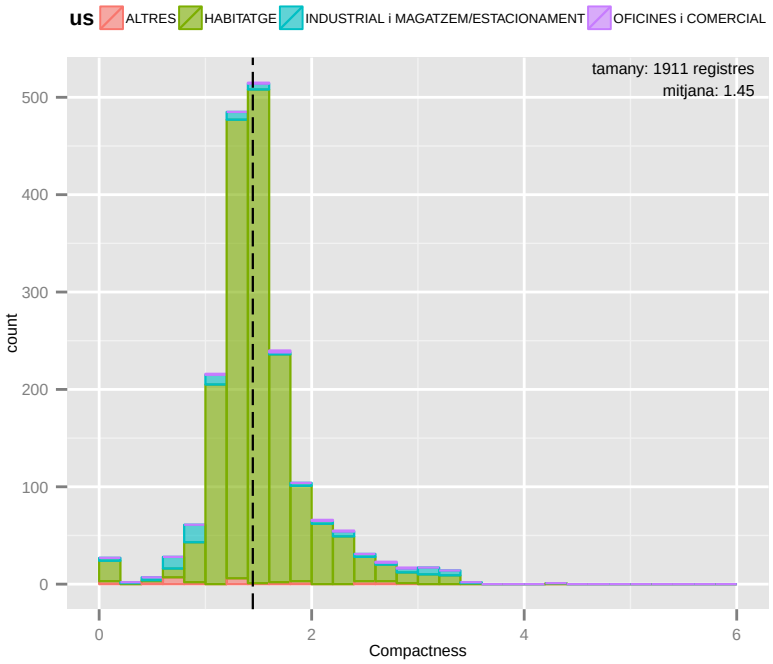
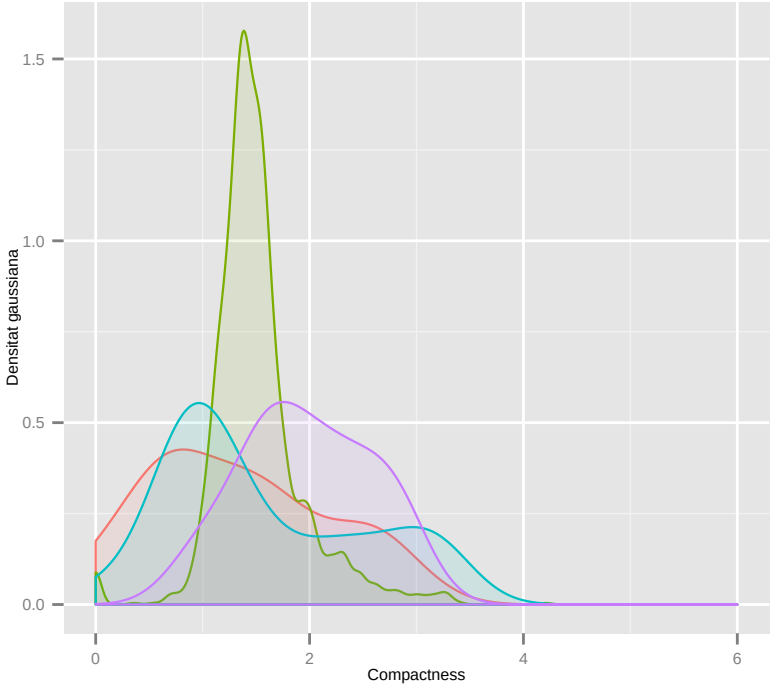
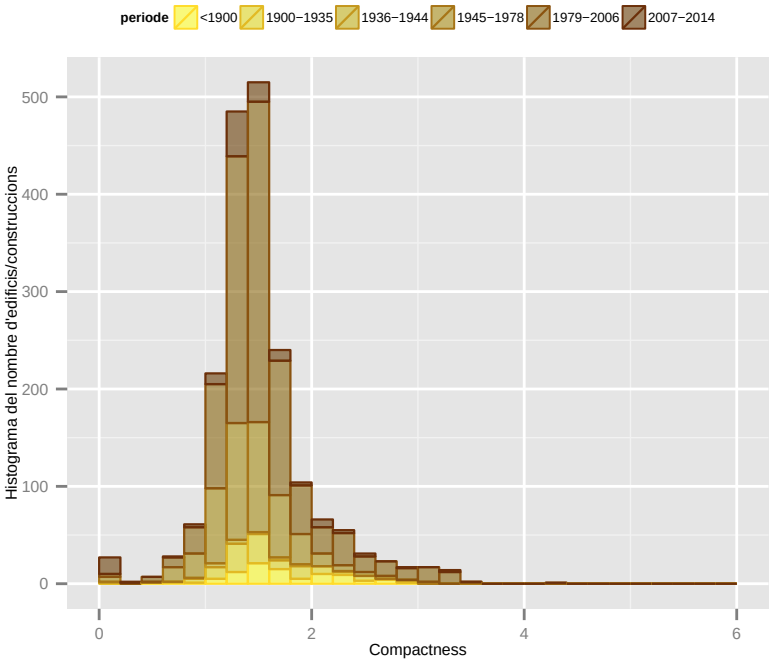
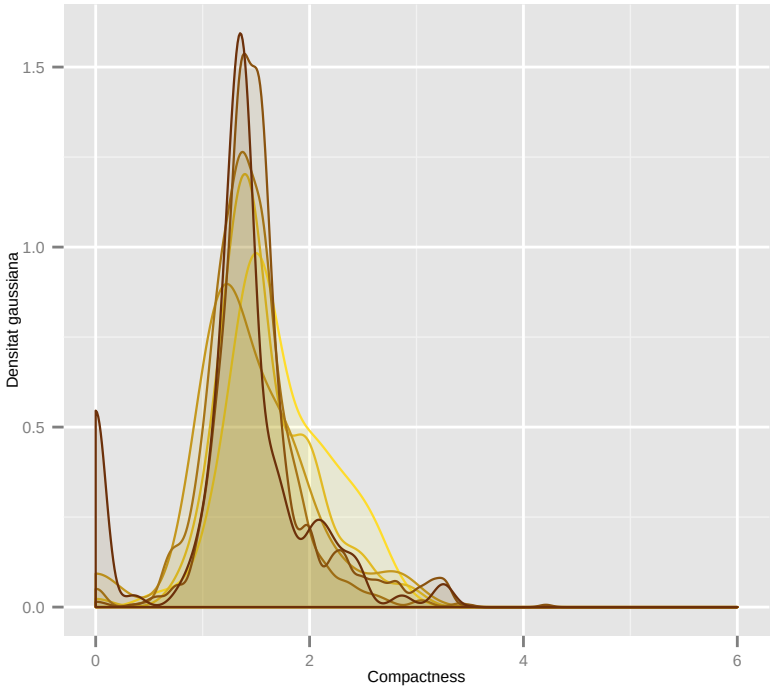
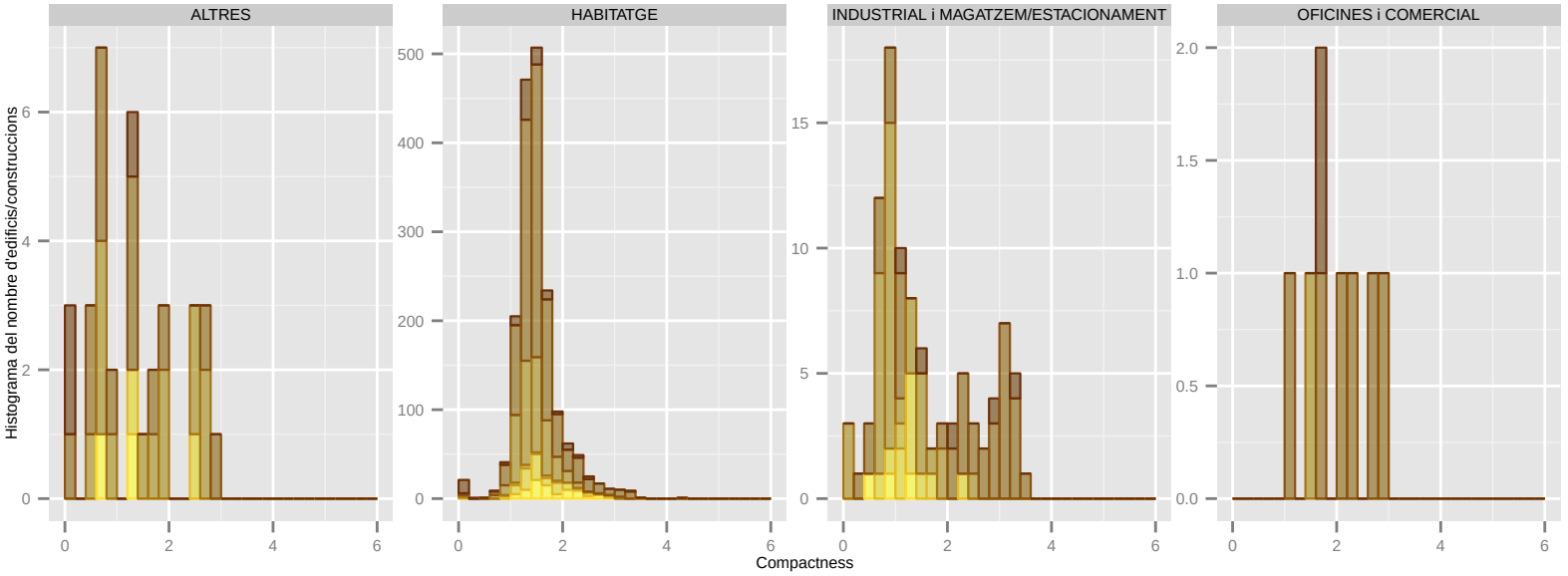
Compactness: BEGUES





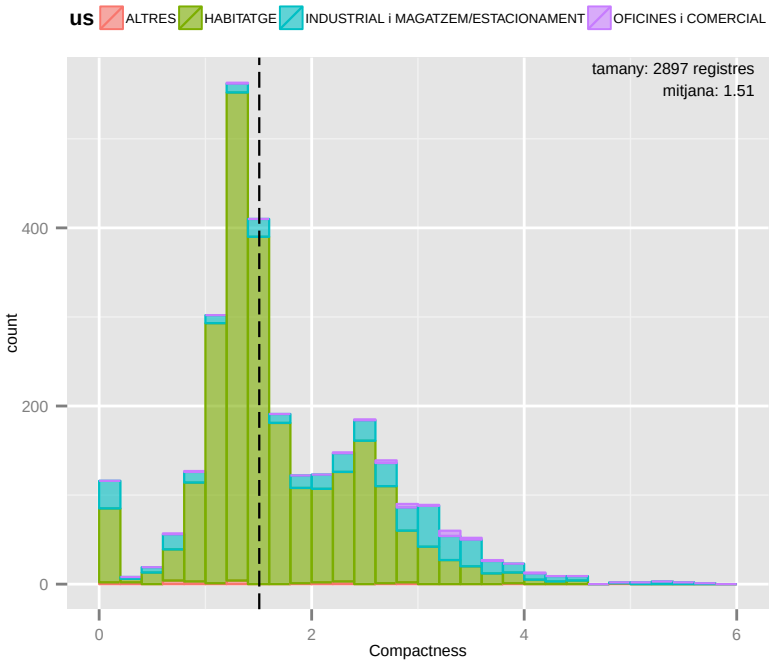


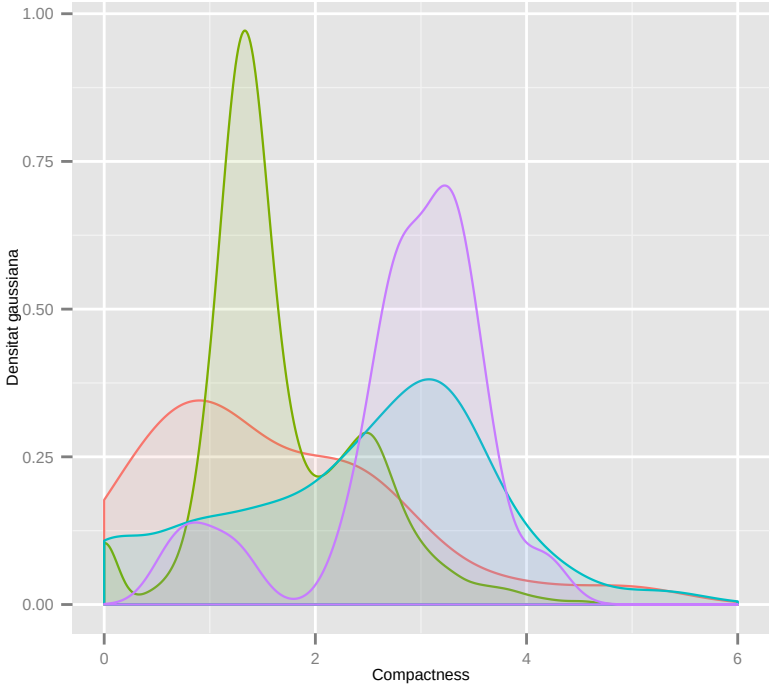


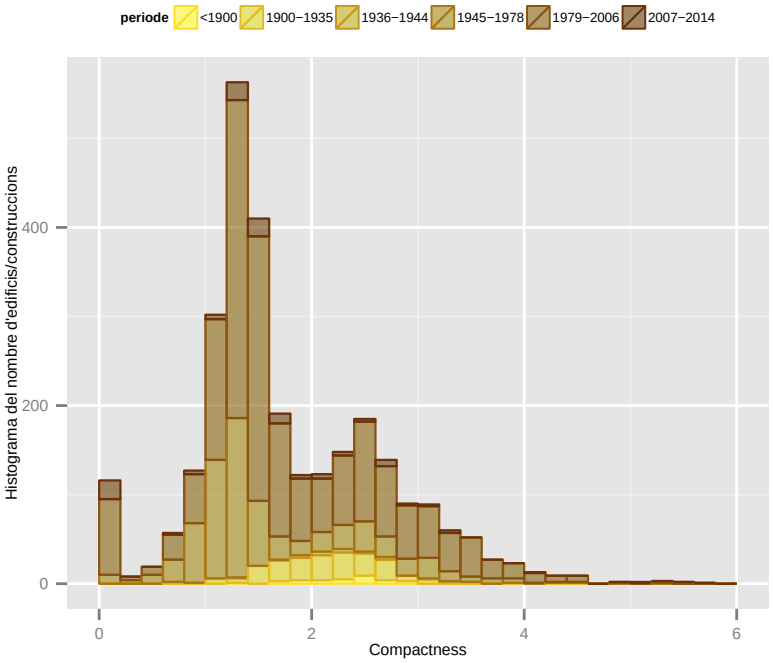


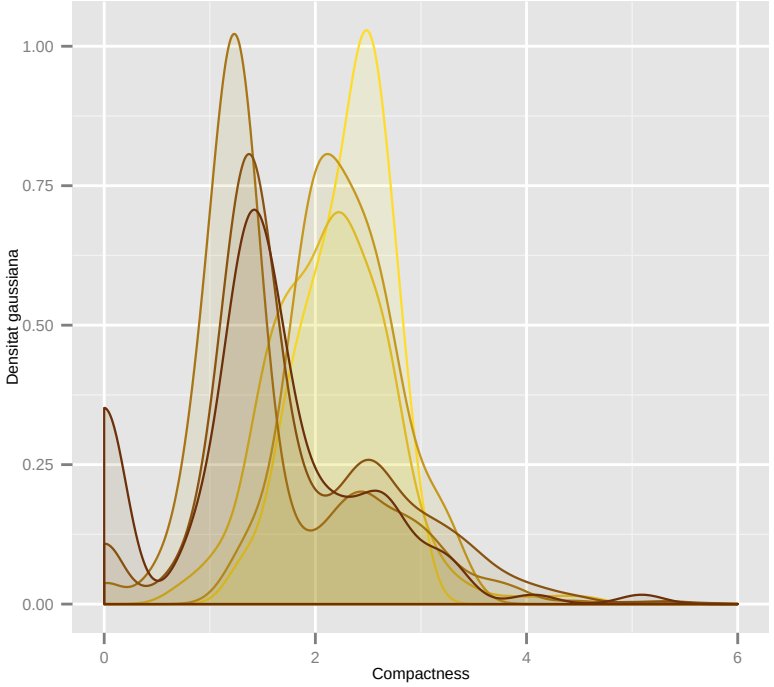
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

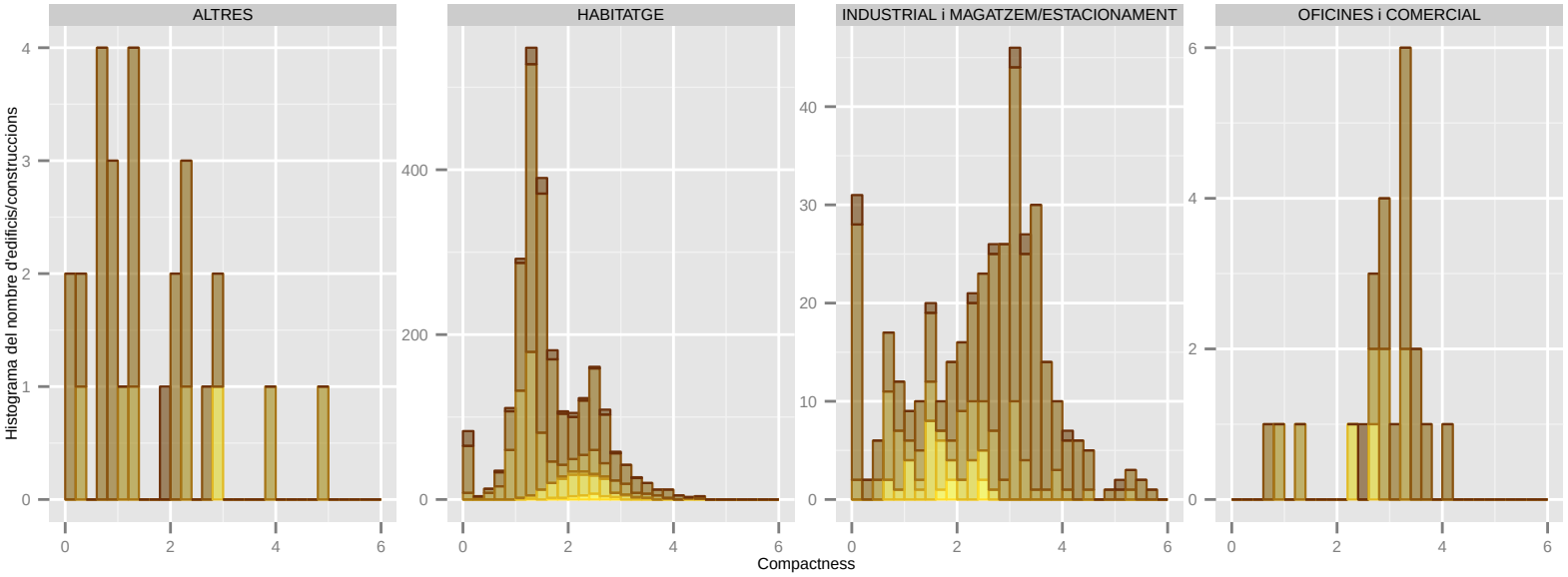
Compactness: CASTELLBISBAL





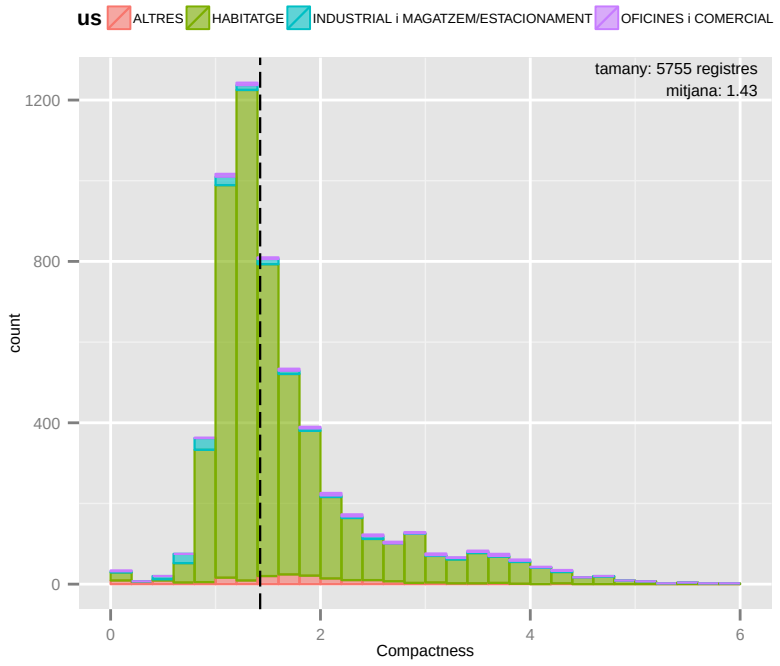


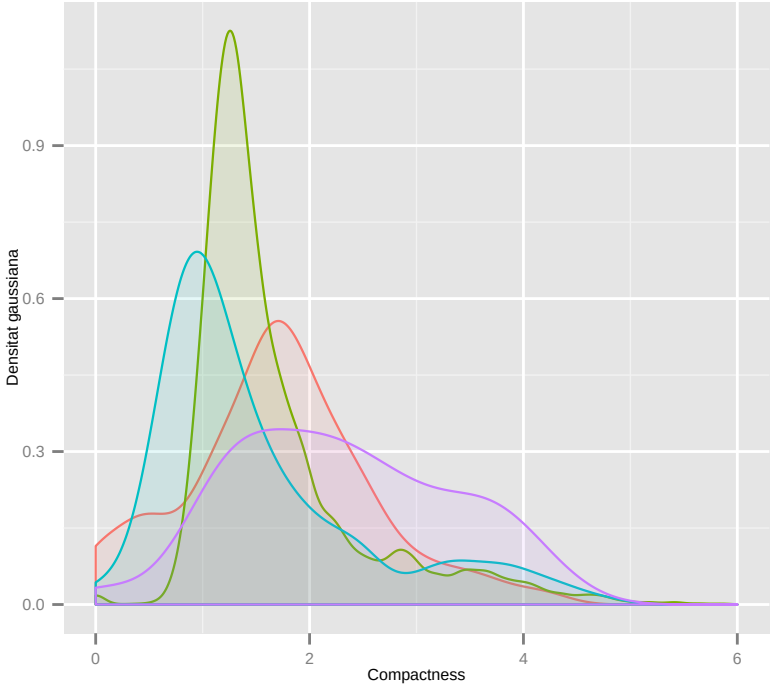


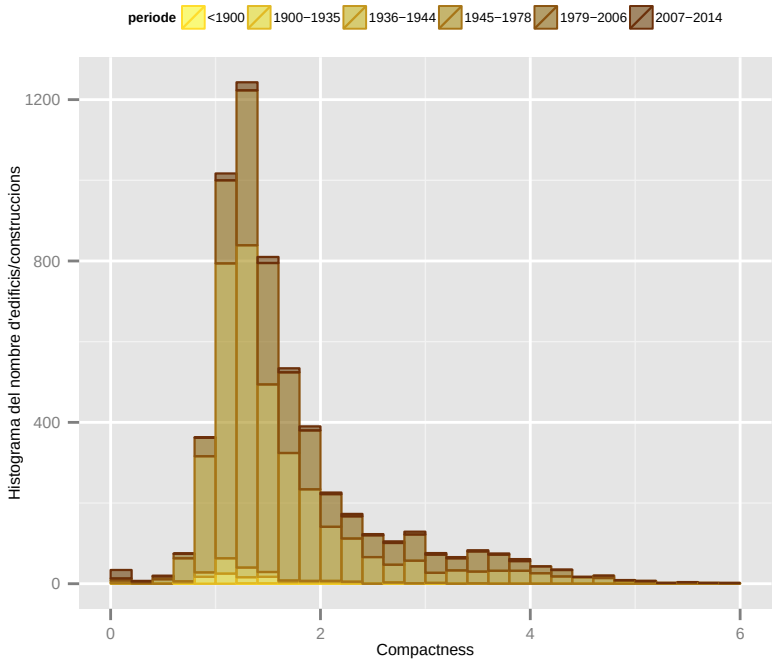


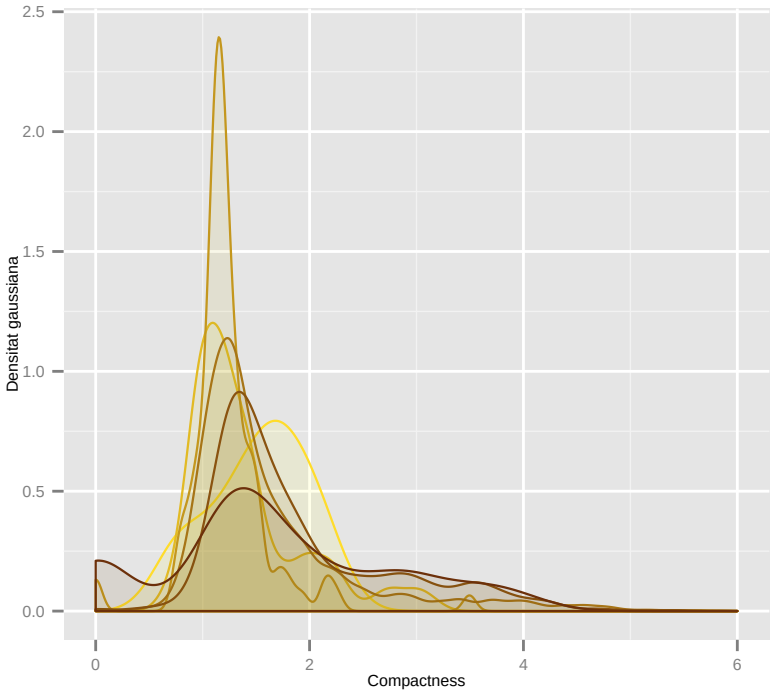
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

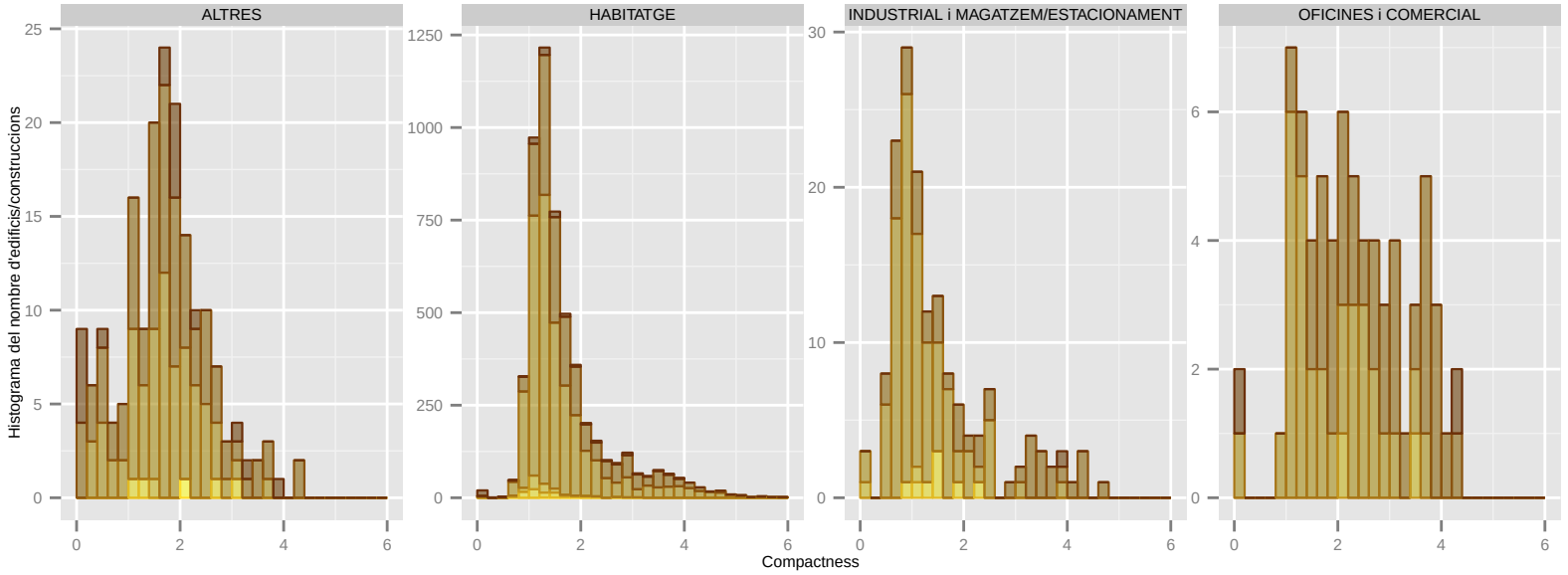
Compactness: CASTELLDEFELS





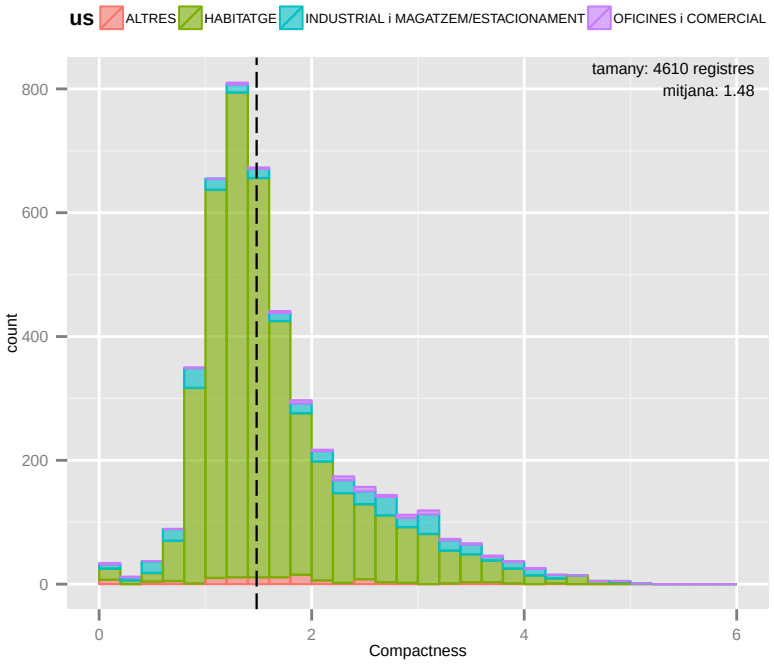


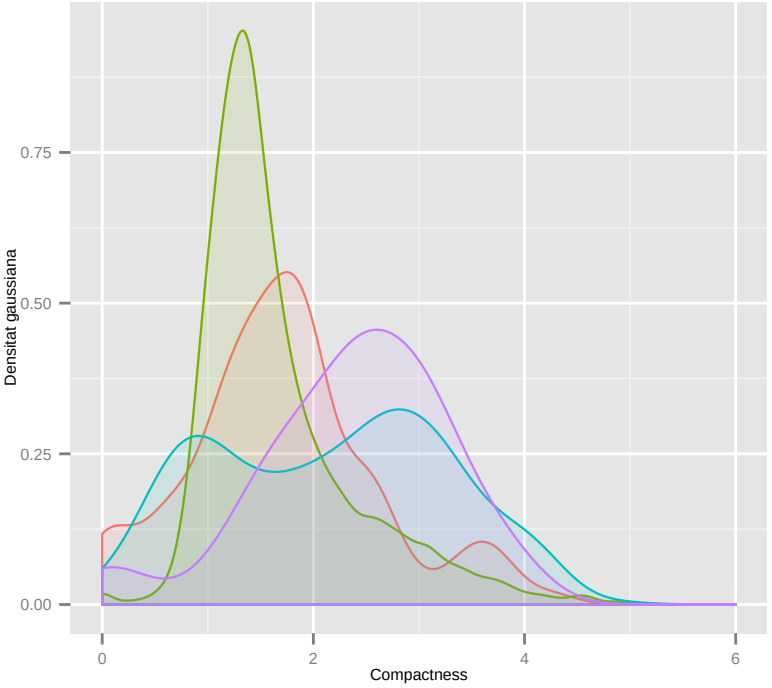


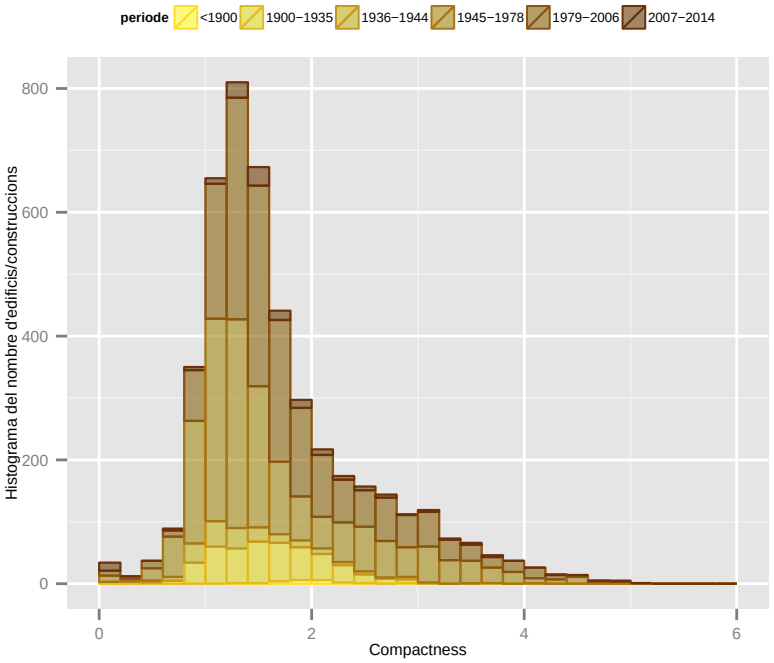


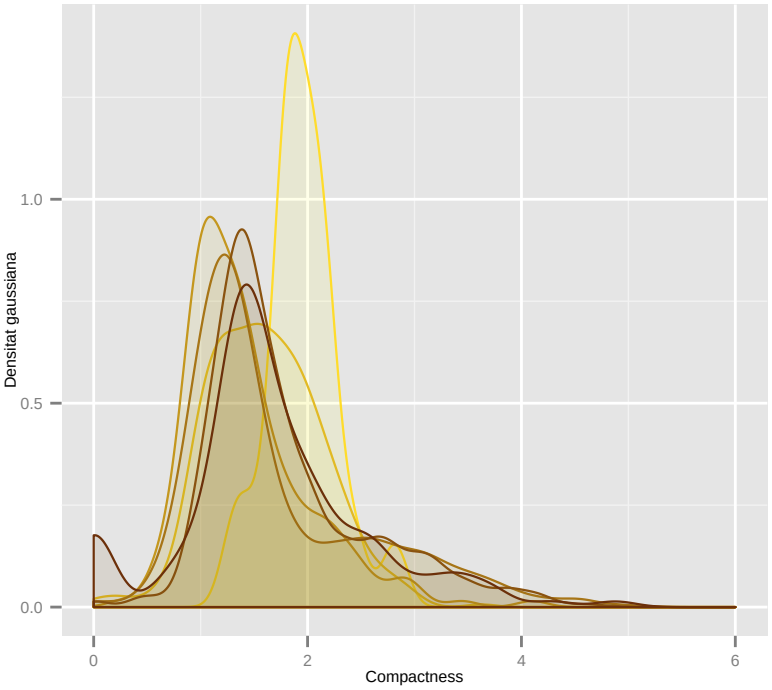
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

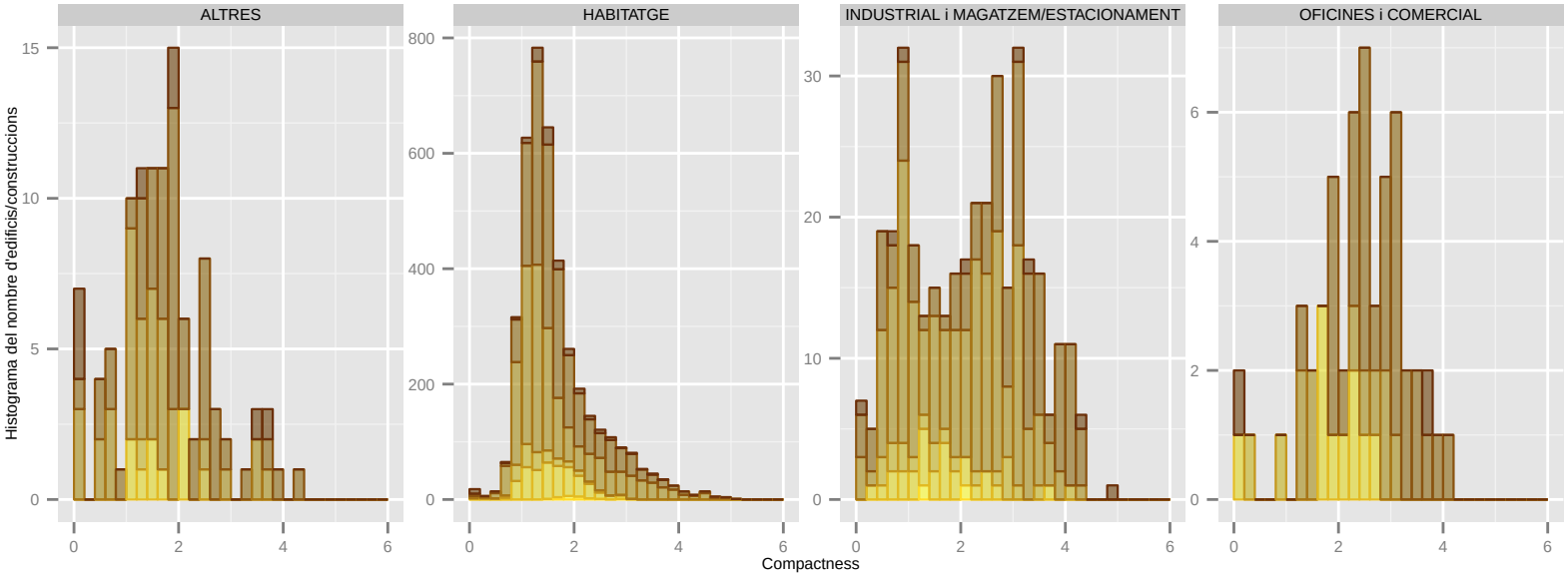
Compactness: CERDANYOLA DEL VALLES





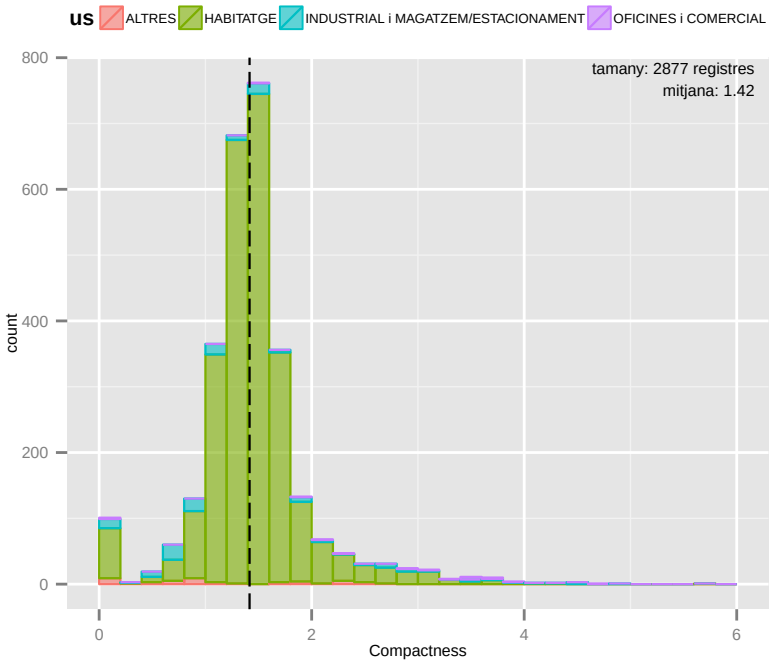


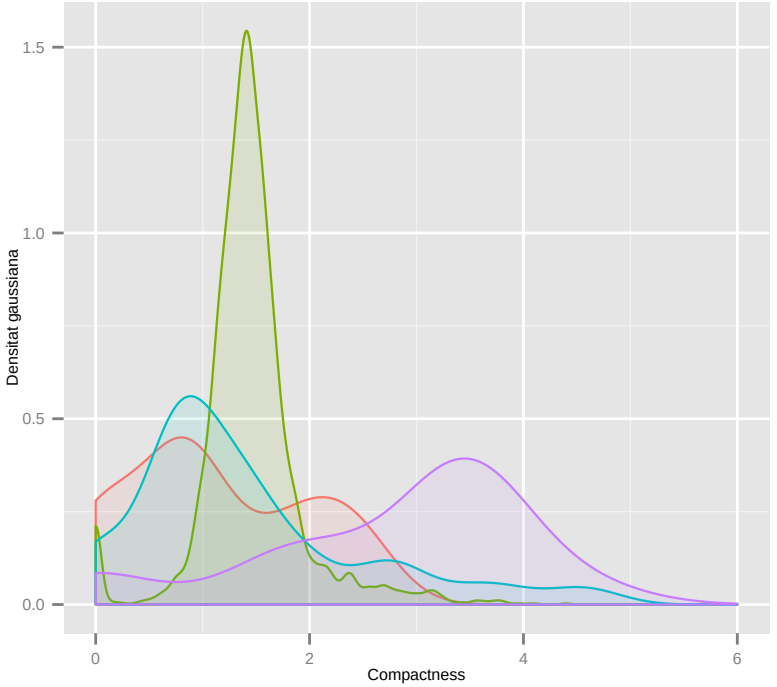


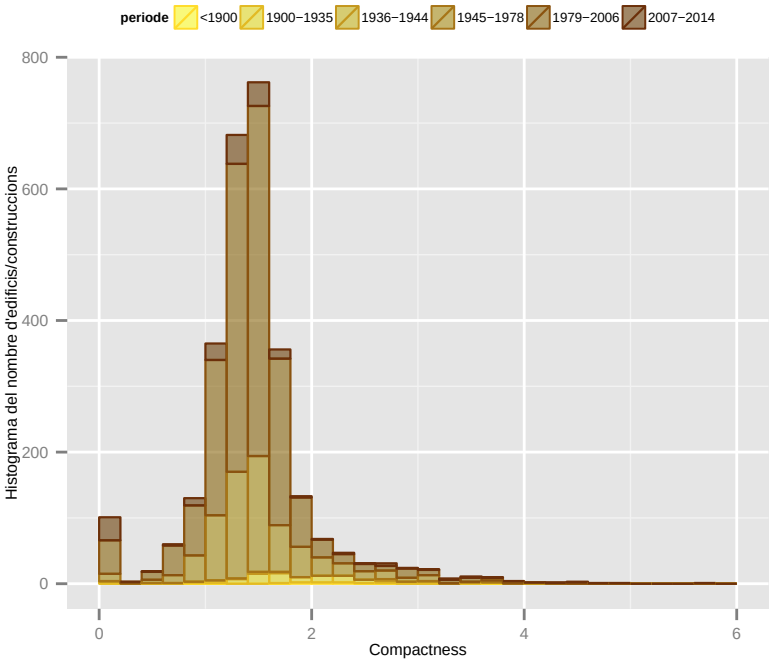


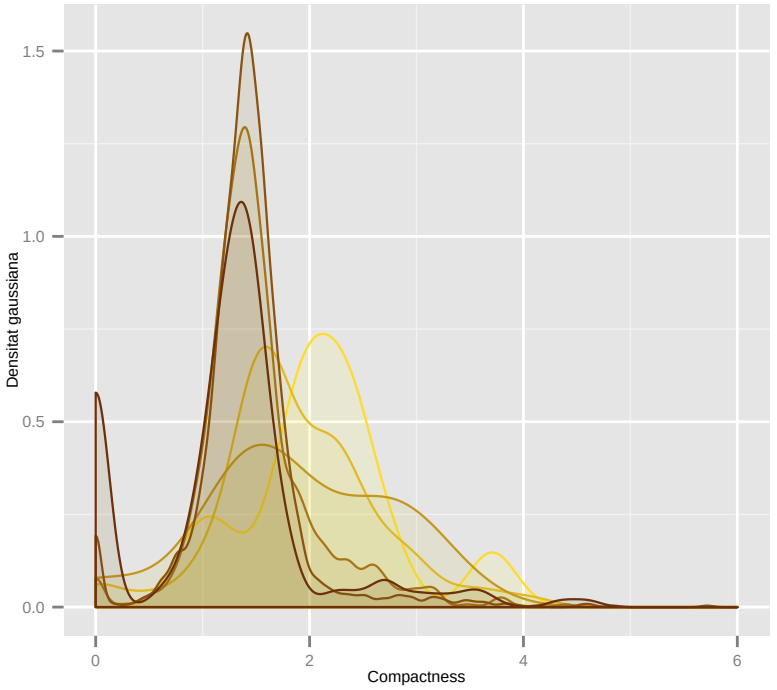
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

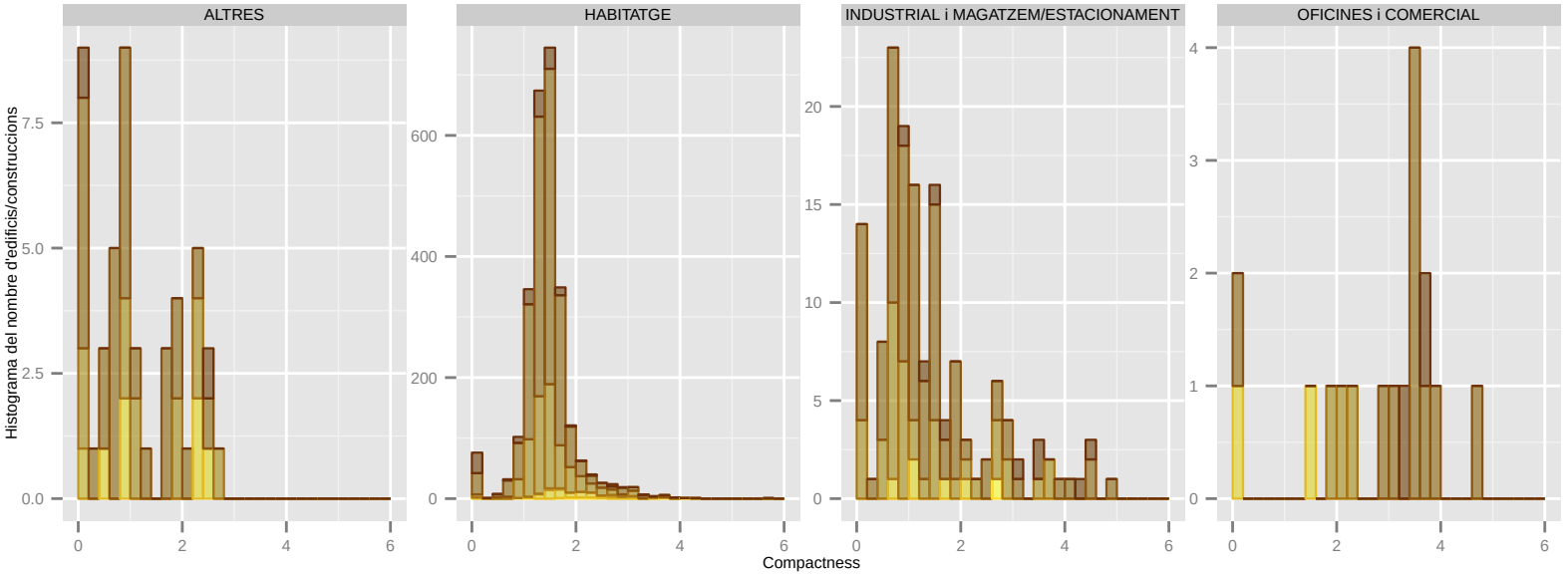
Compactness: CERVELLO





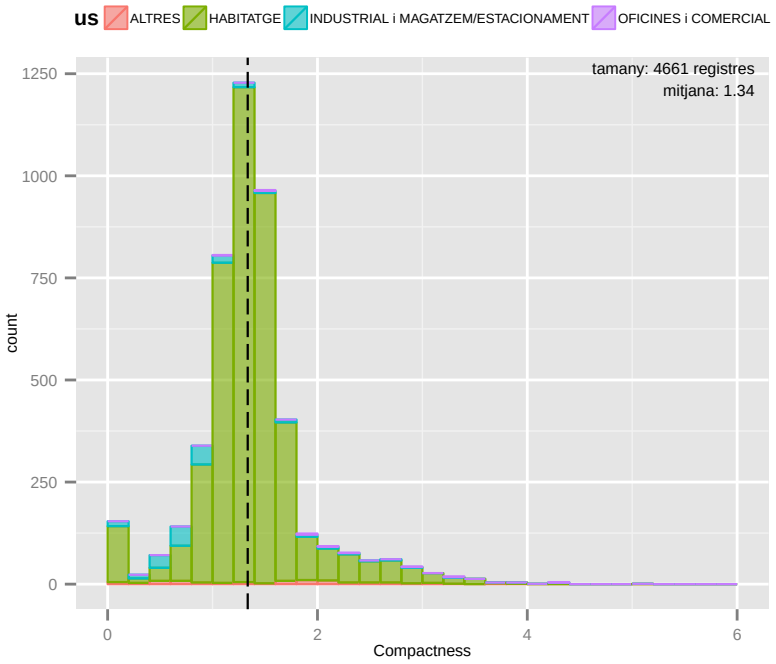


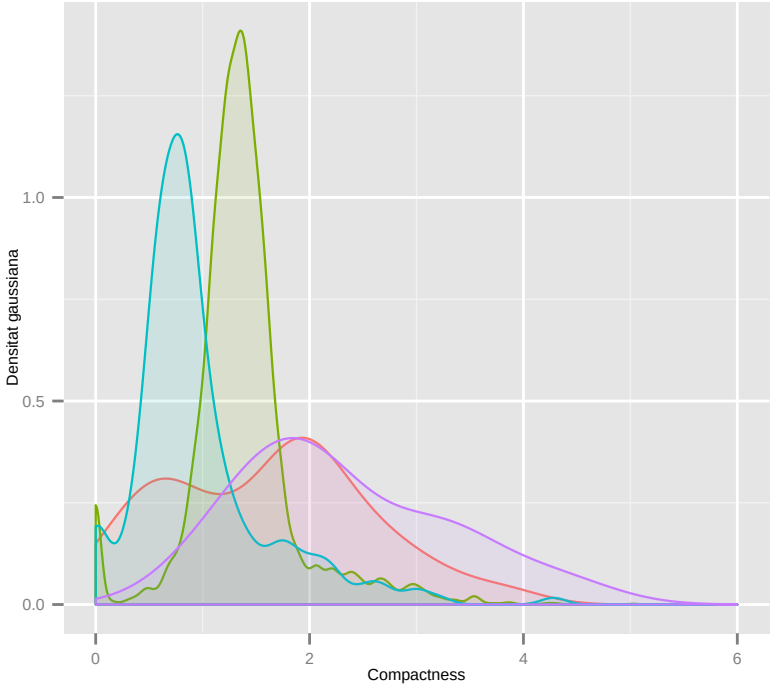


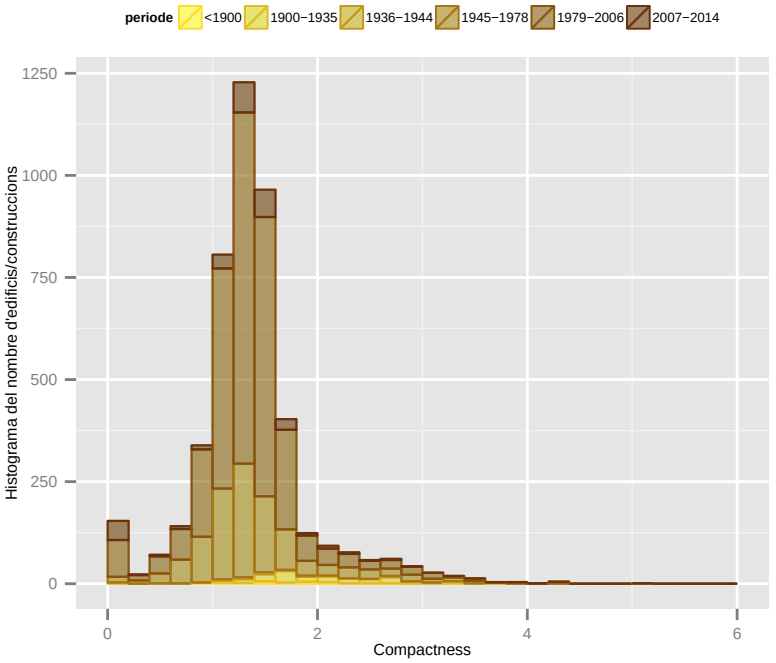


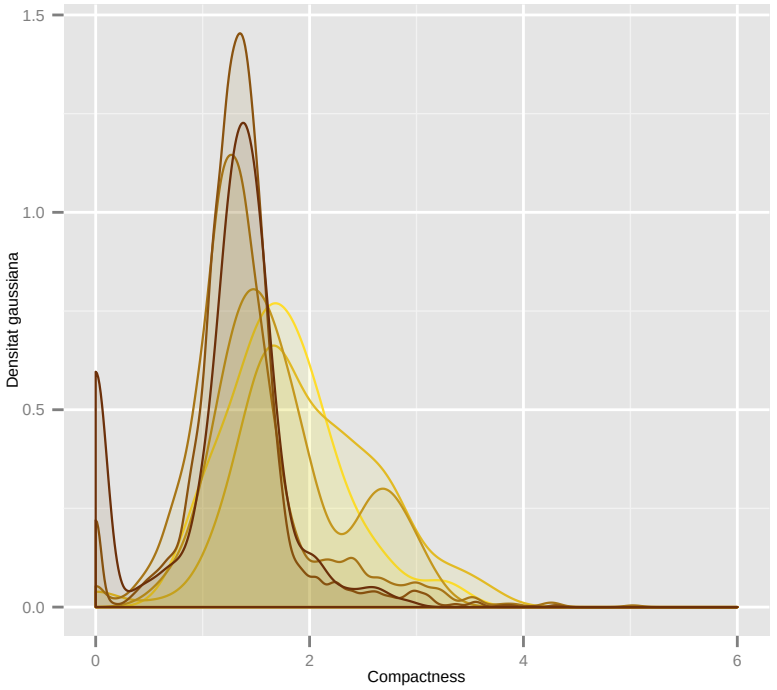
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

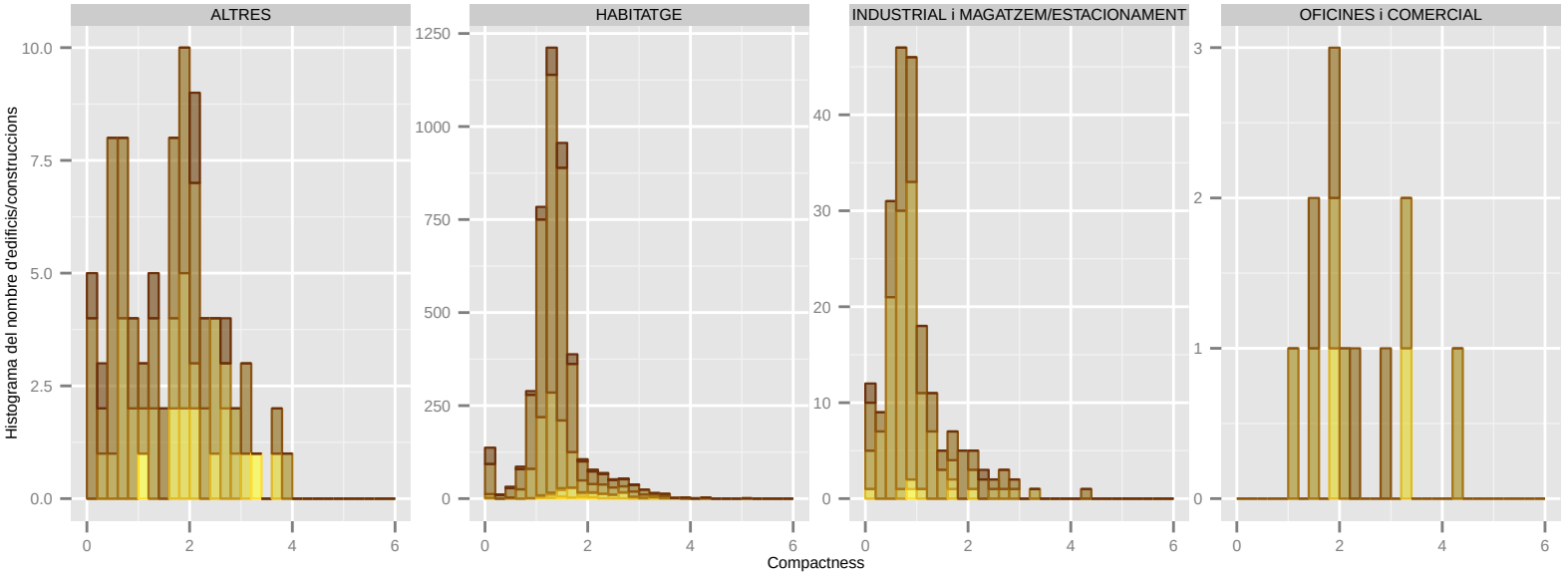
Compactness: CORBERA DE LLOBREGAT





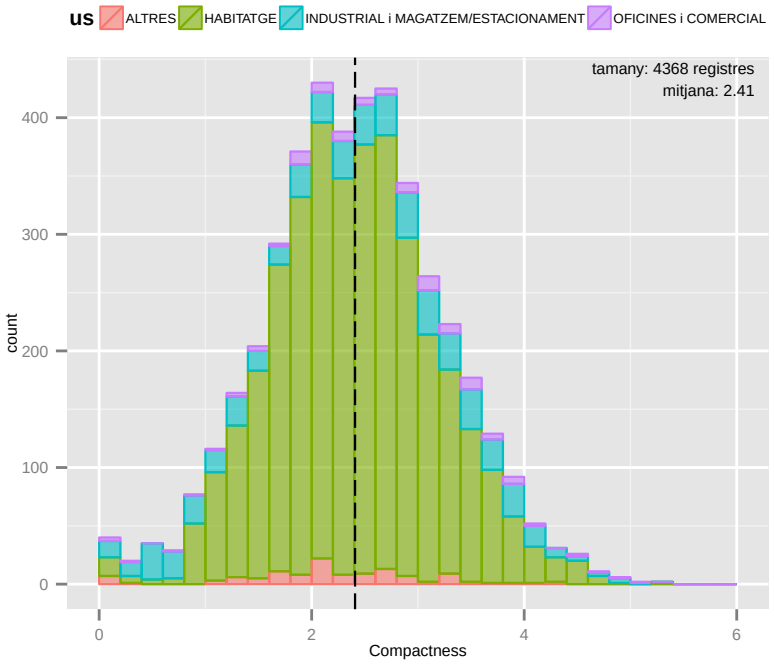


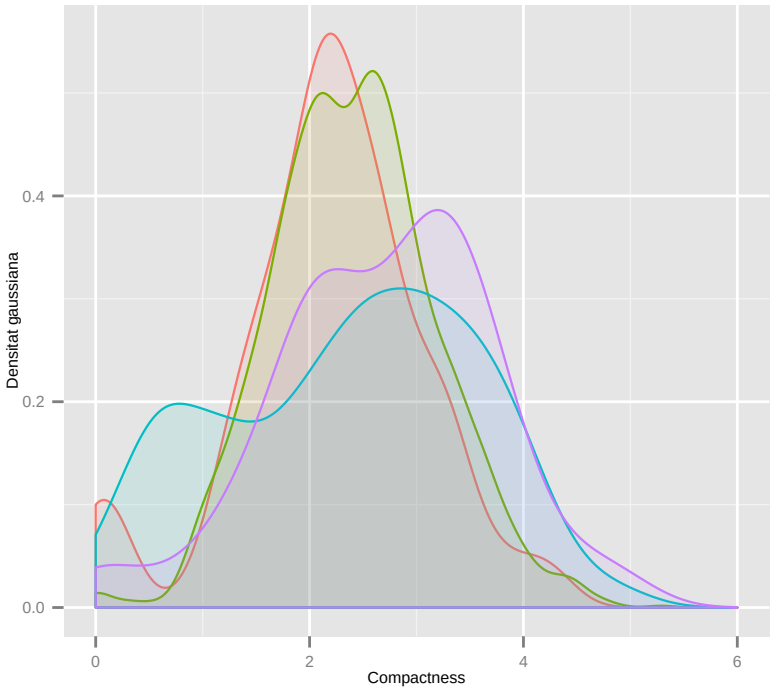


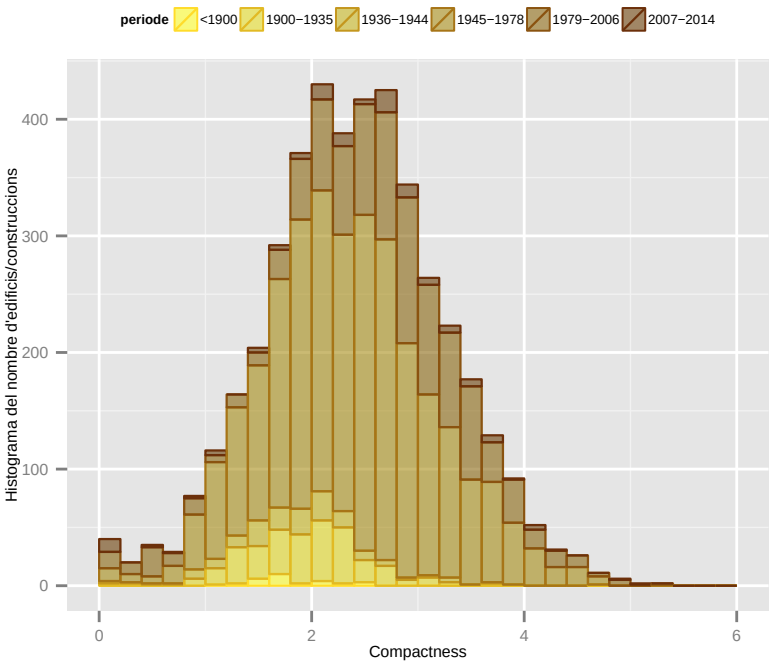


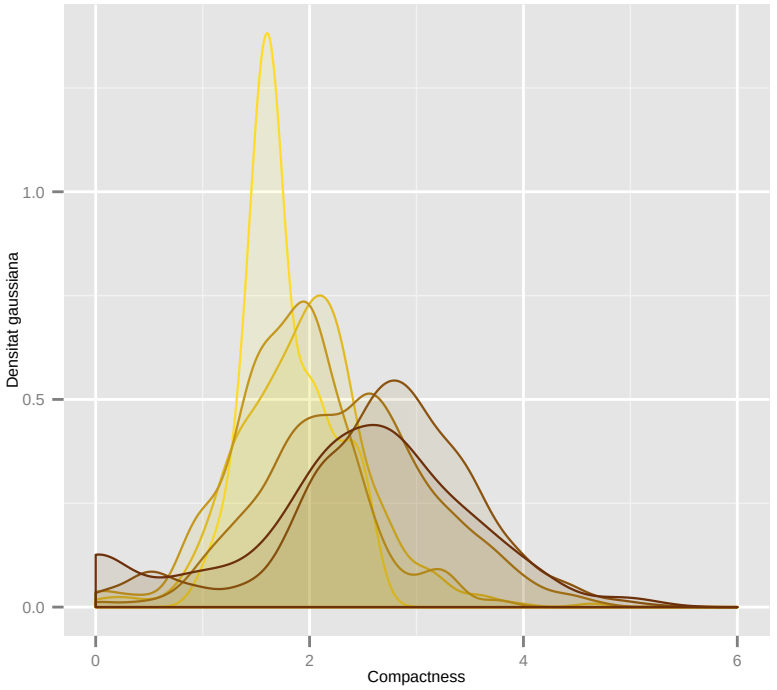
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

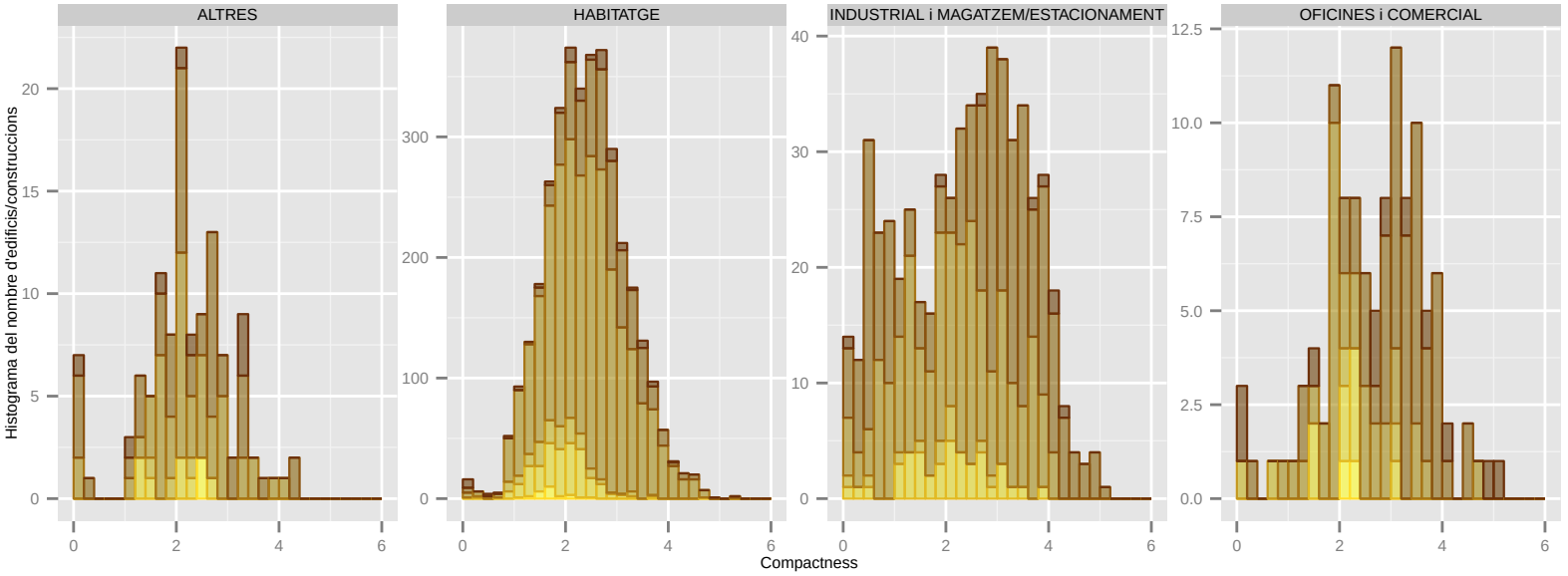
Compactness: CORNELLA DE LLOBREGAT





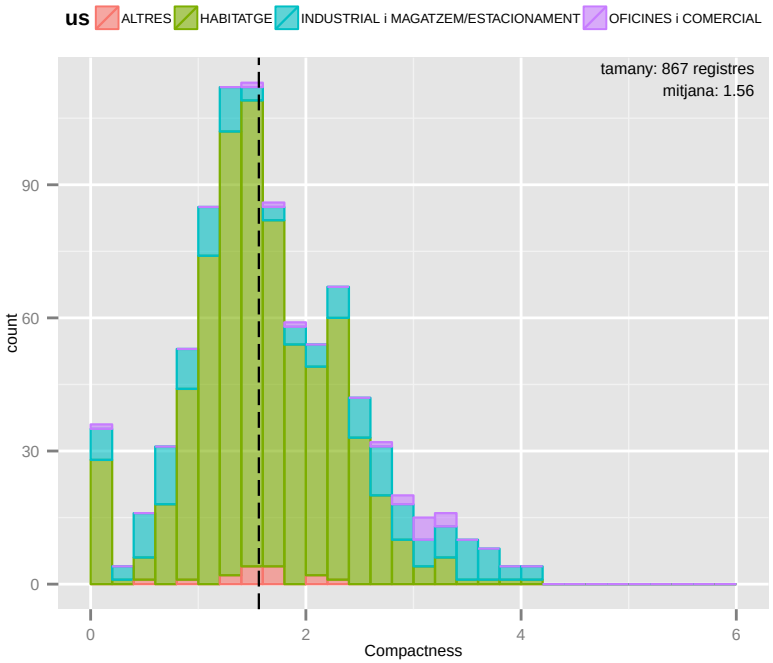


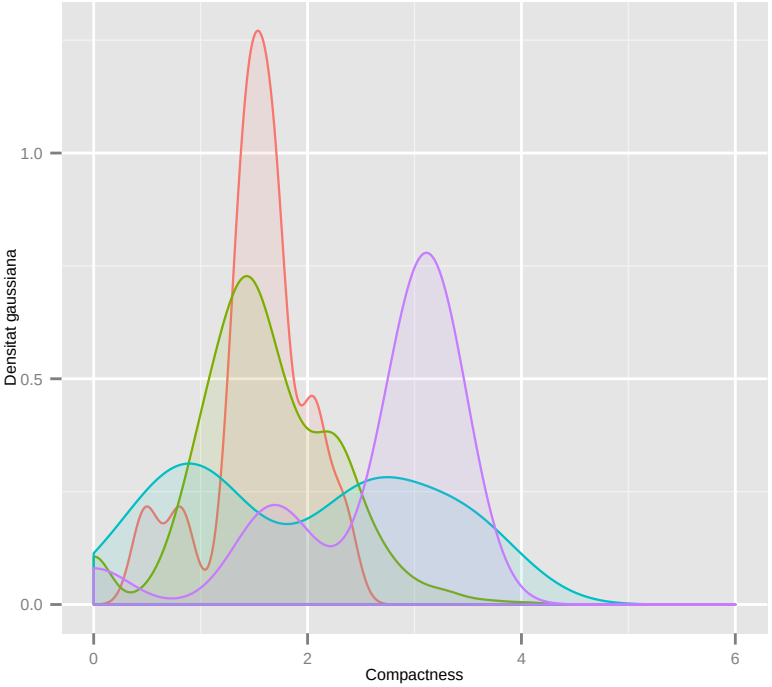


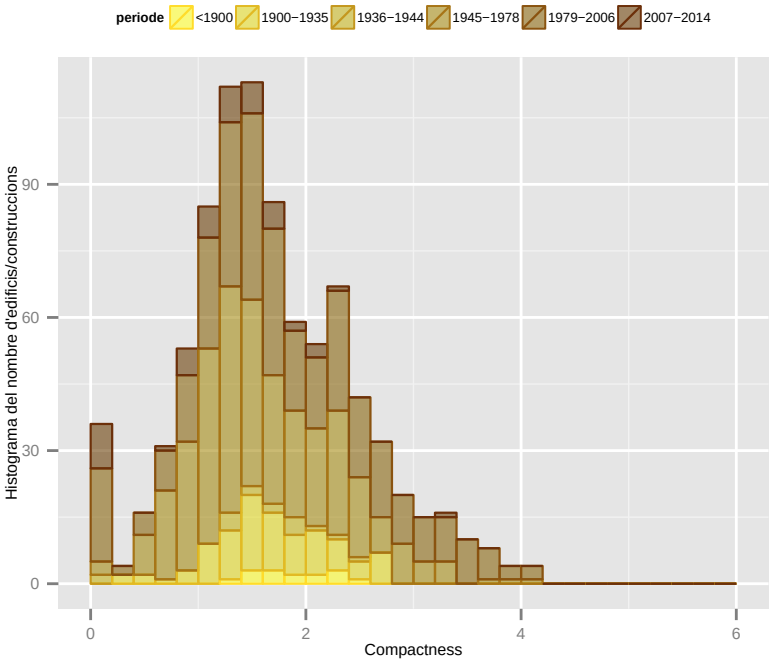


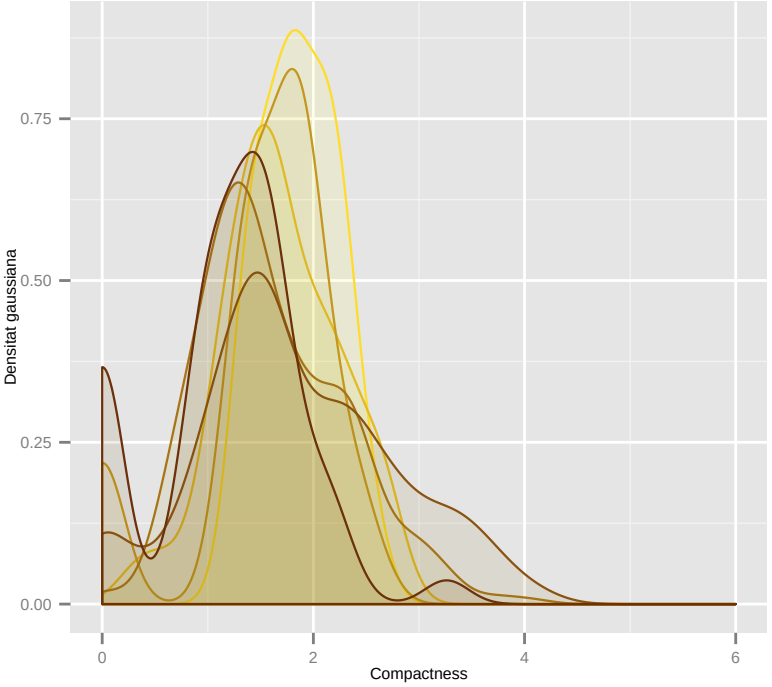
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

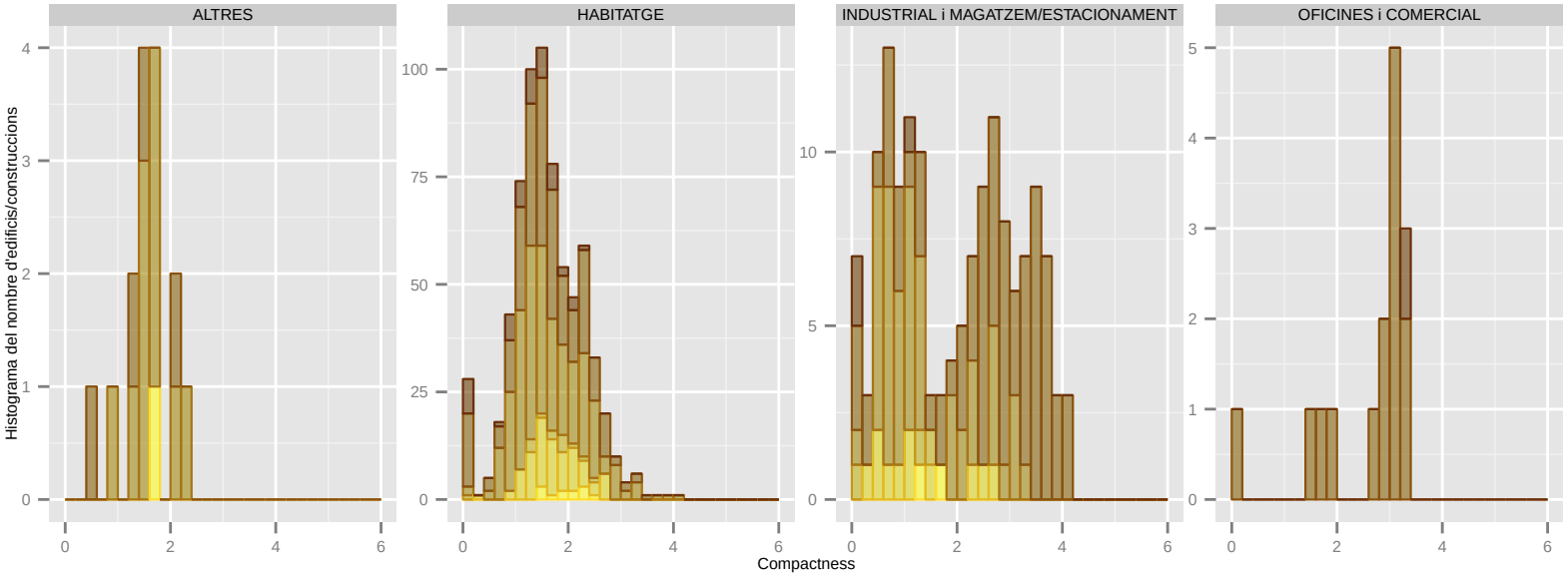
Compactness: EL PAPIOL





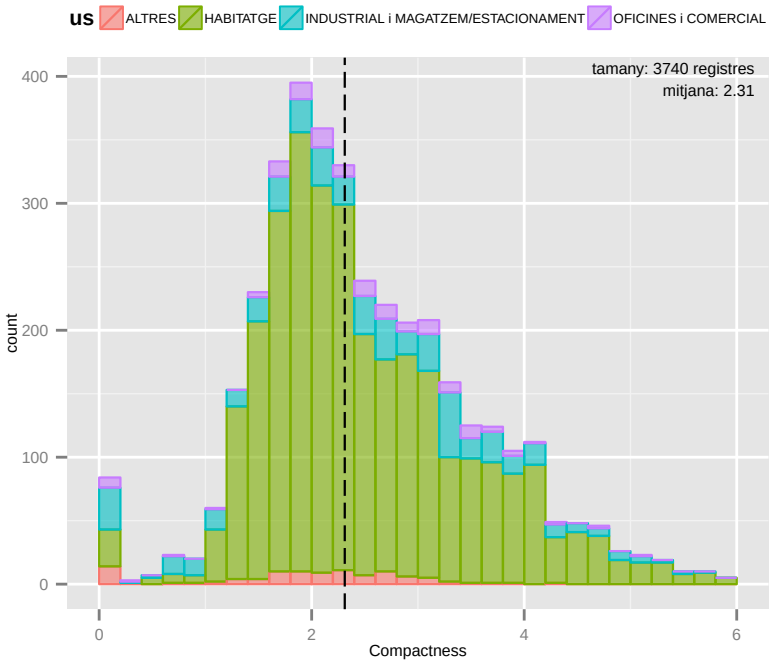


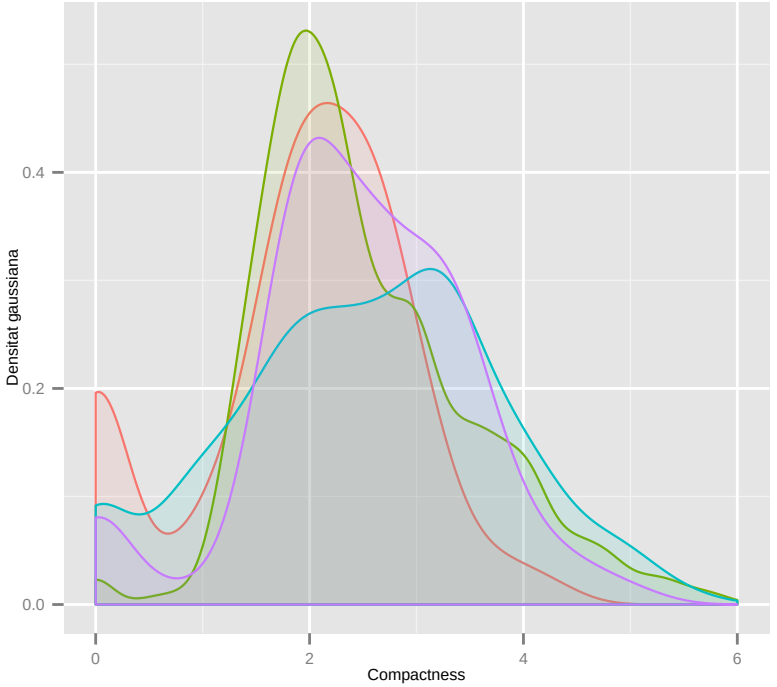


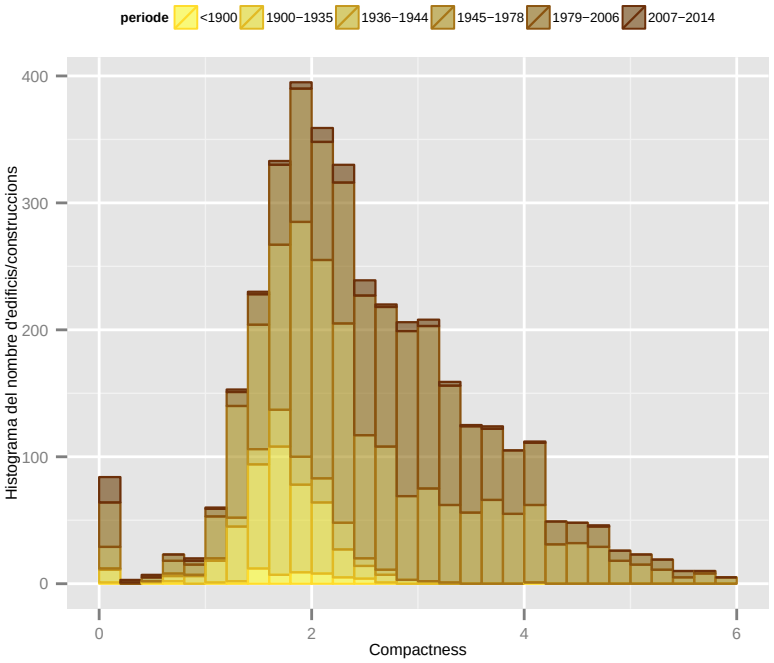


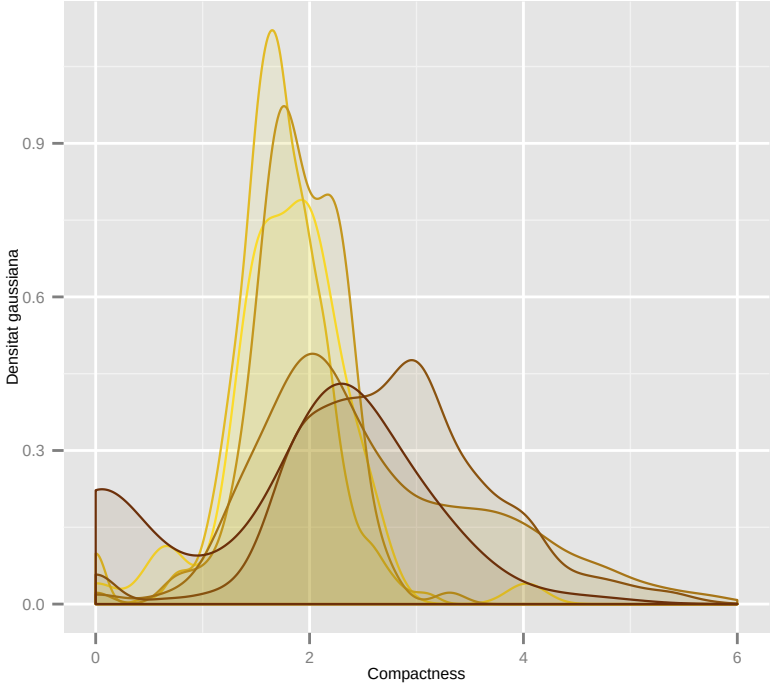
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

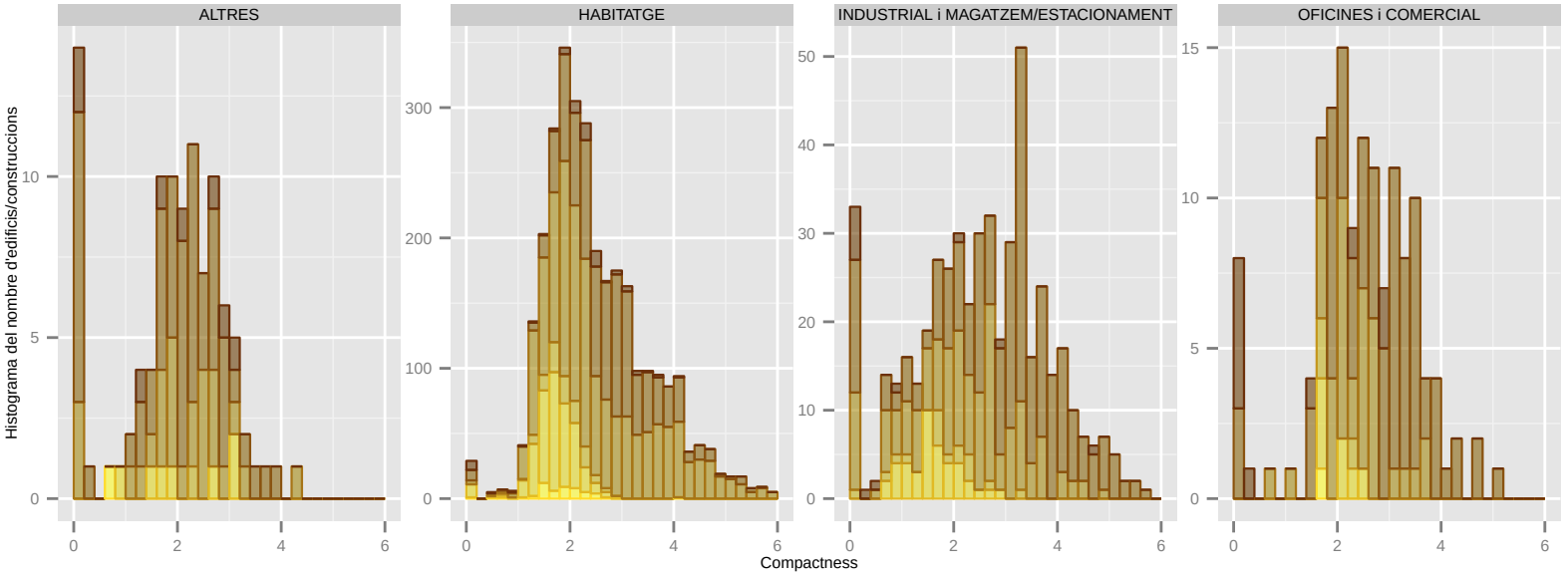
Compactness: EL PRAT DE LLOBREGAT





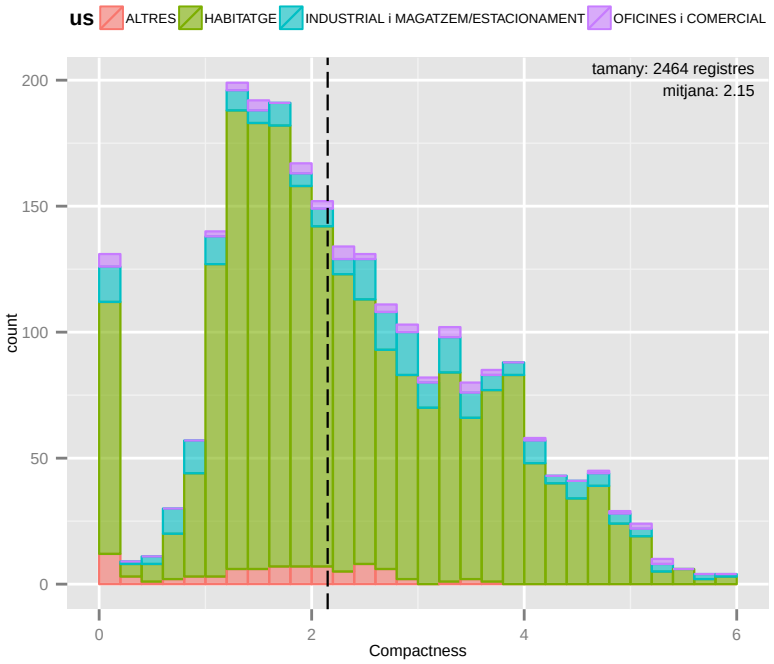


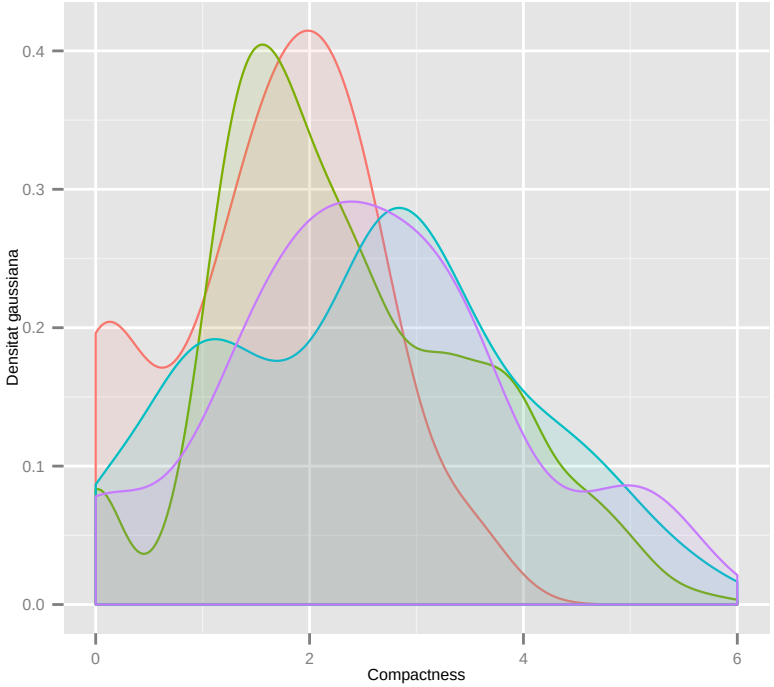


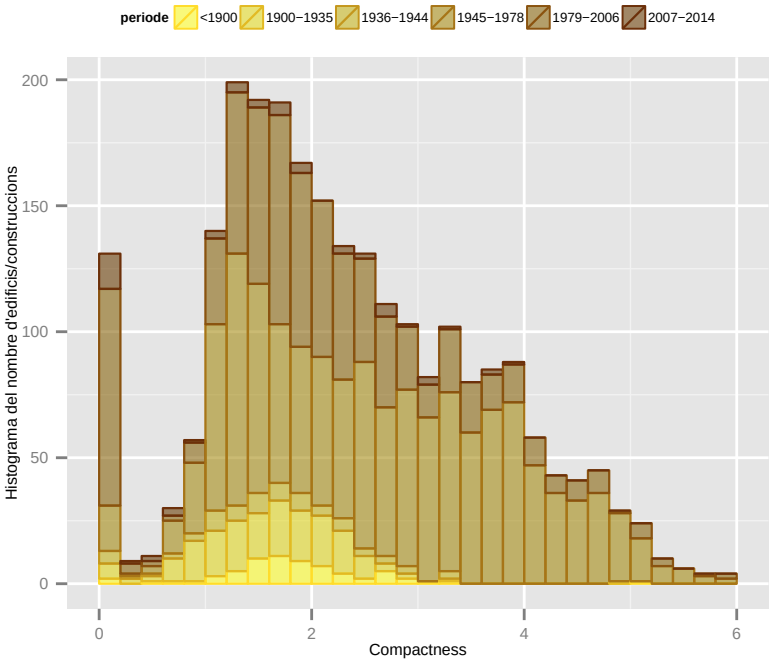


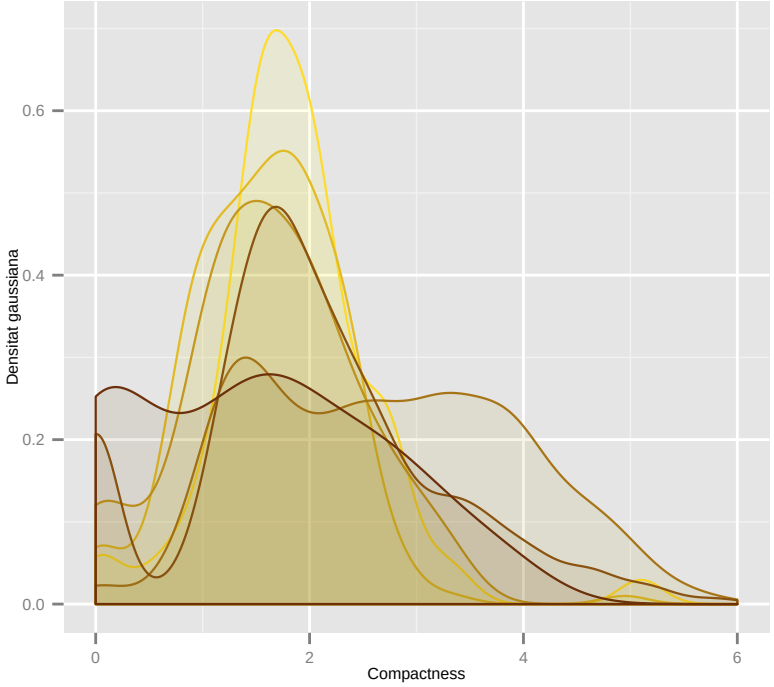
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

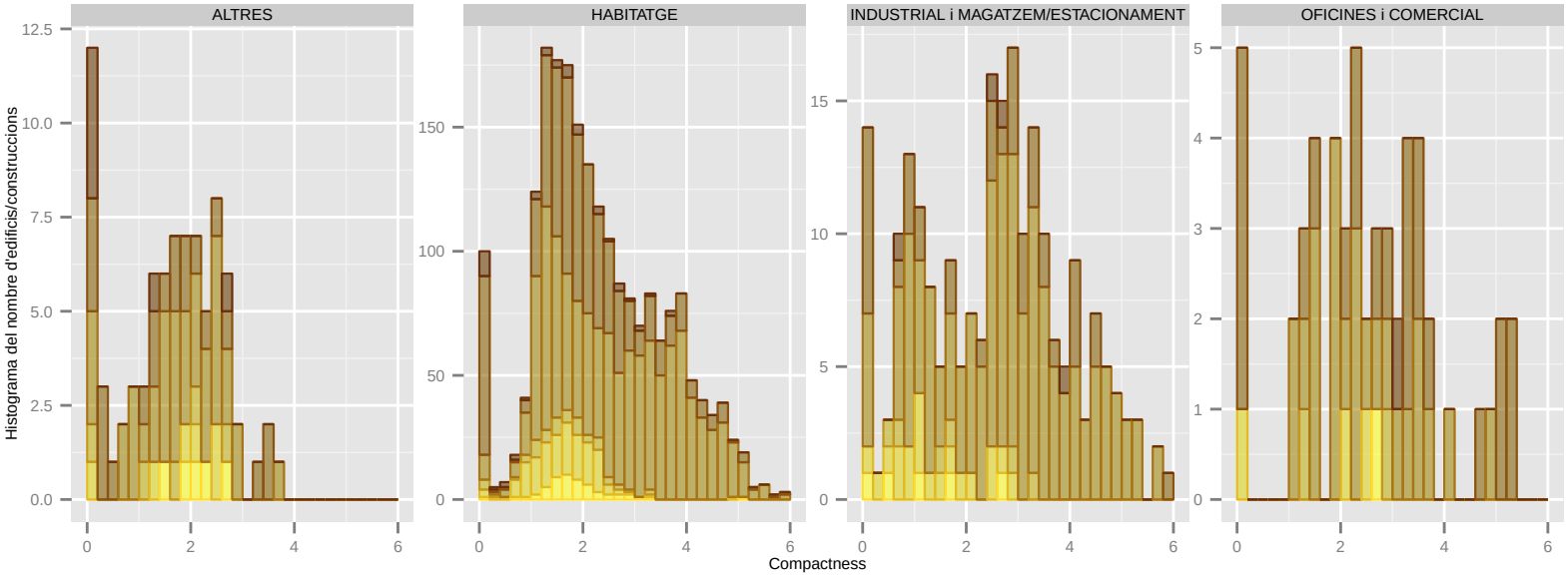
Compactness: ESPLUGUES DE LLOBREGAT





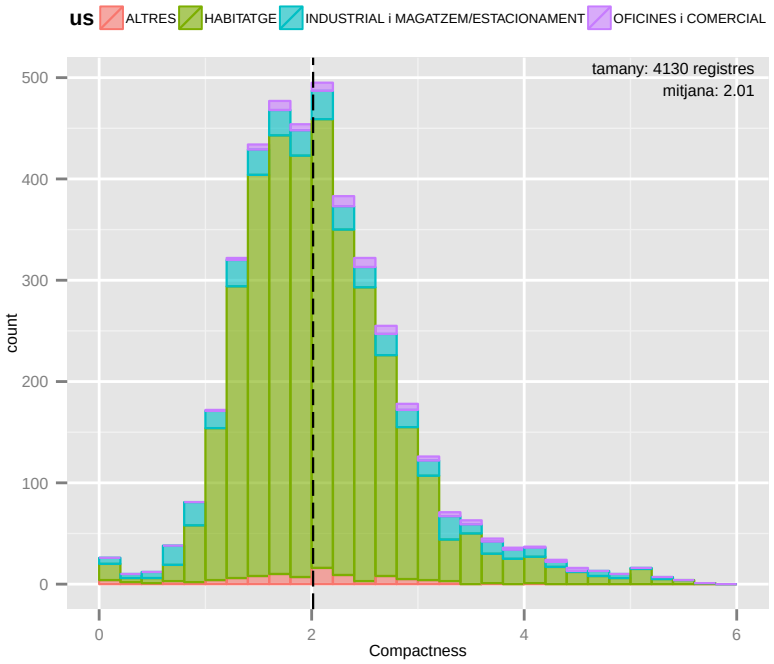


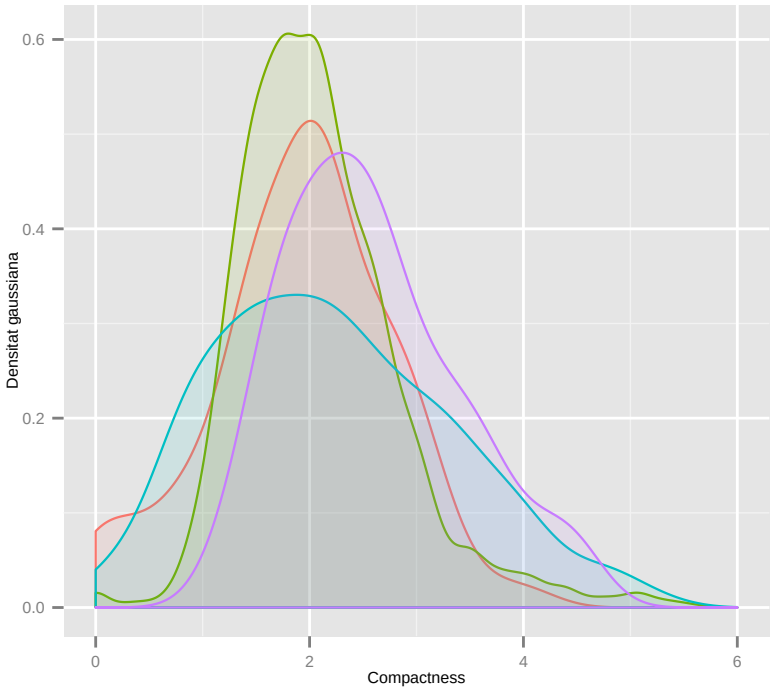


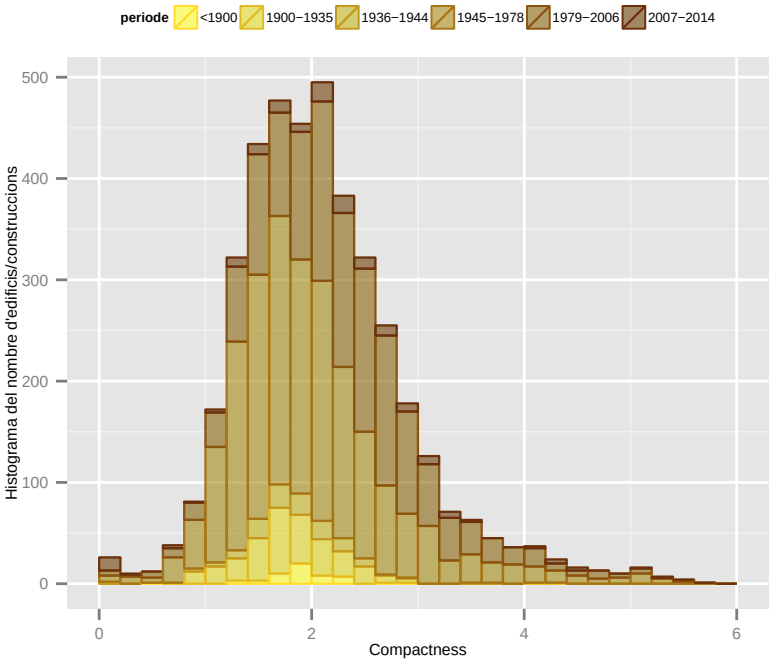


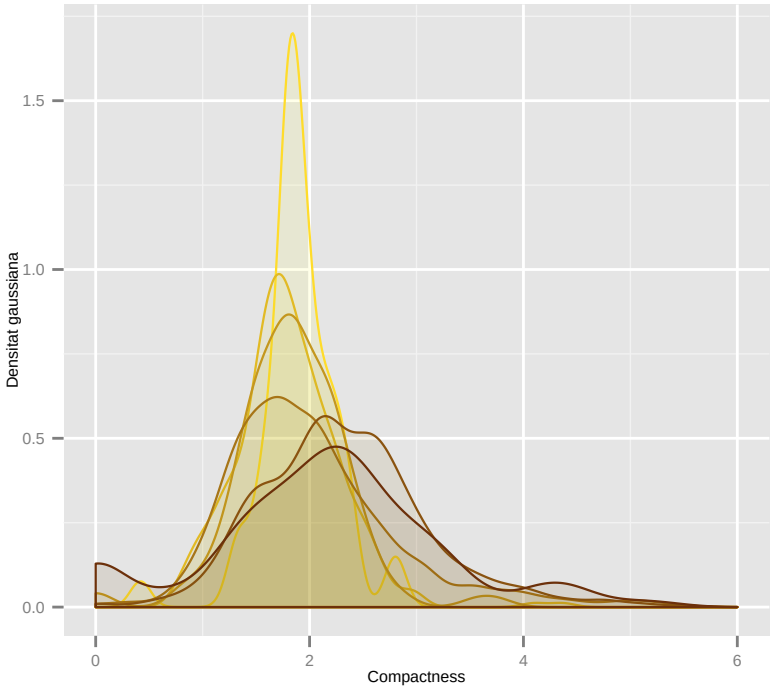
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

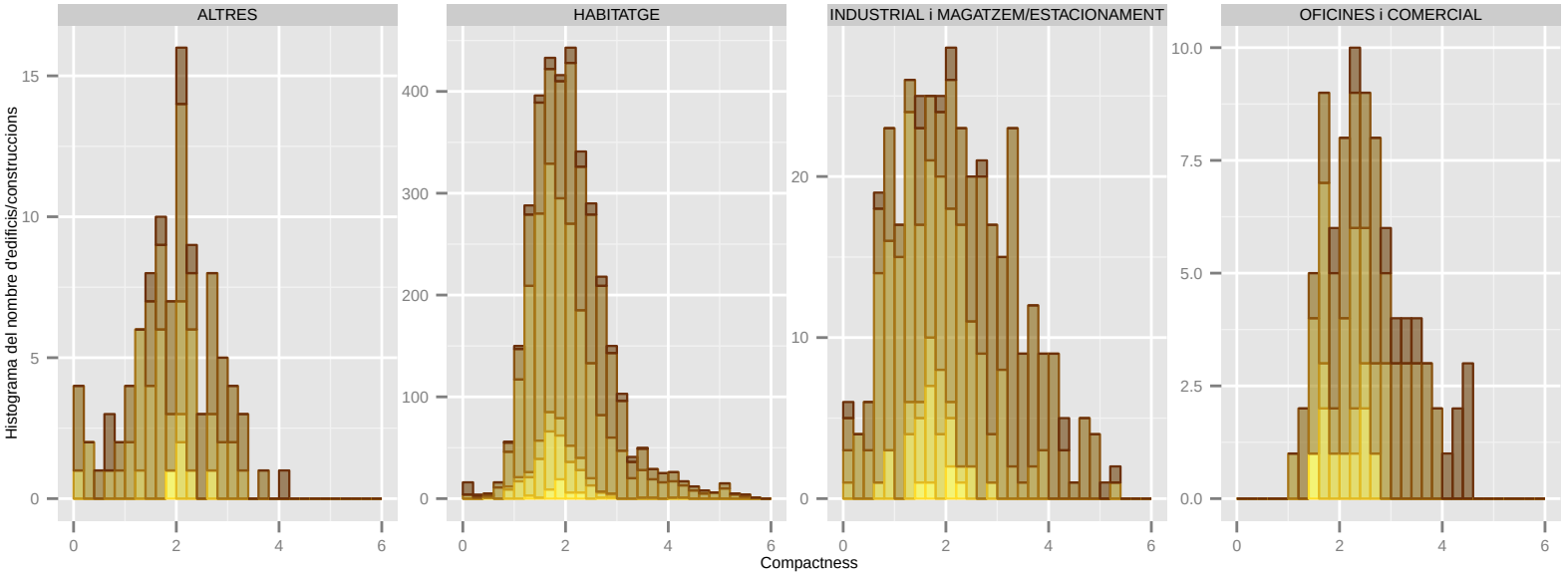
Compactness: GAVA





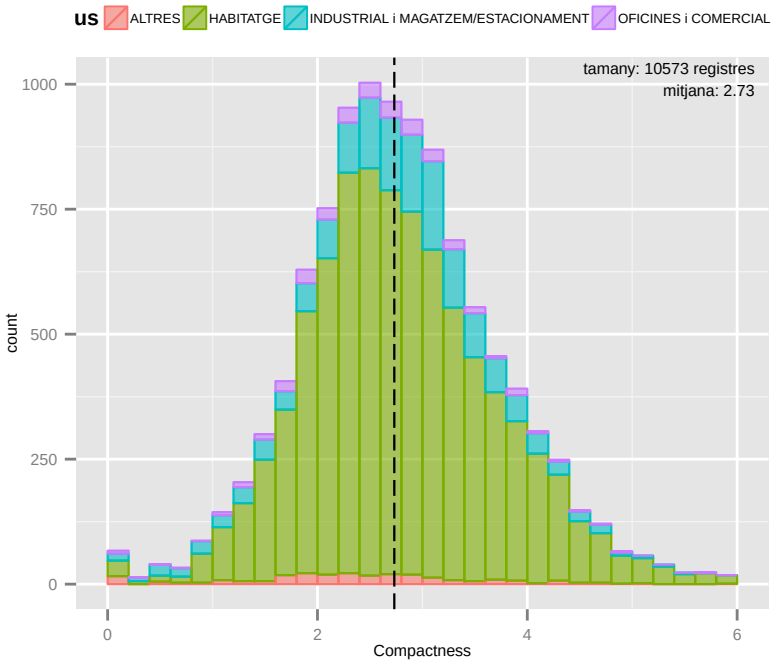


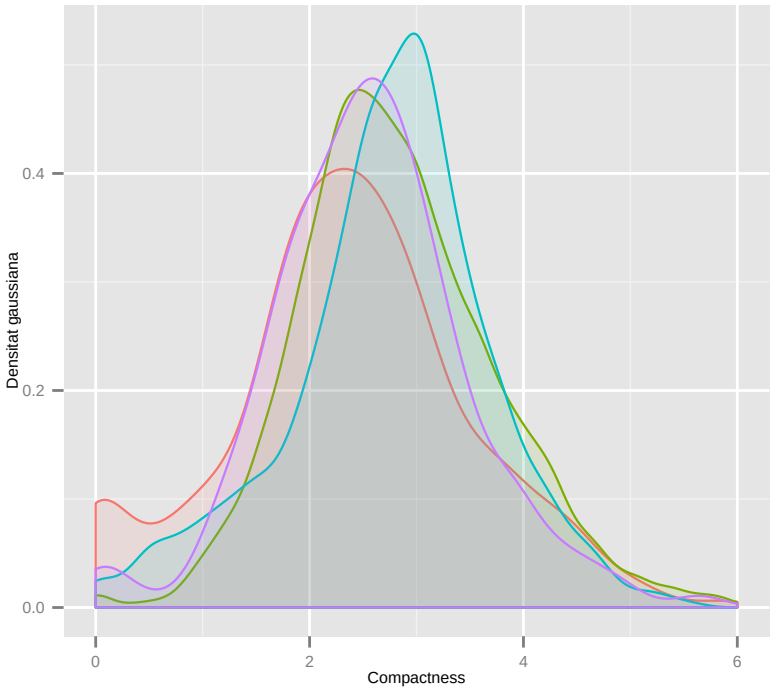


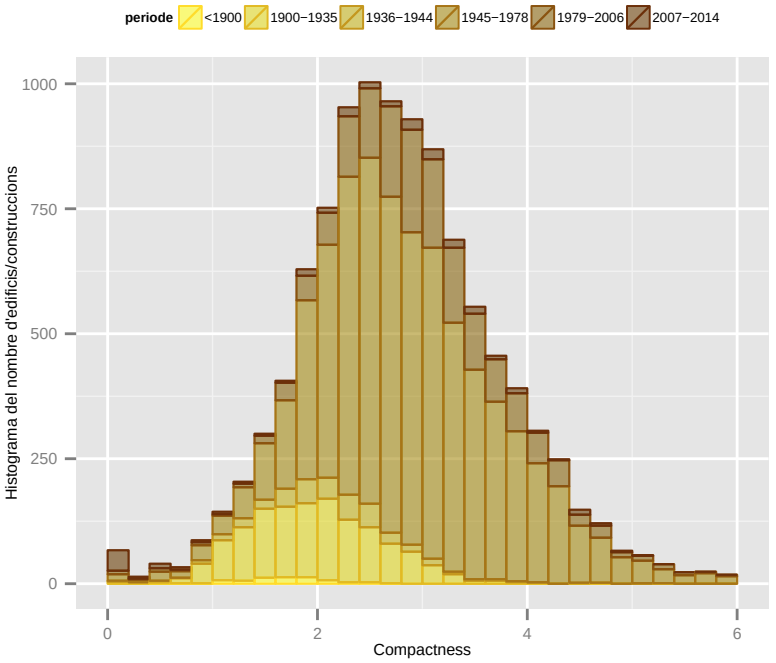


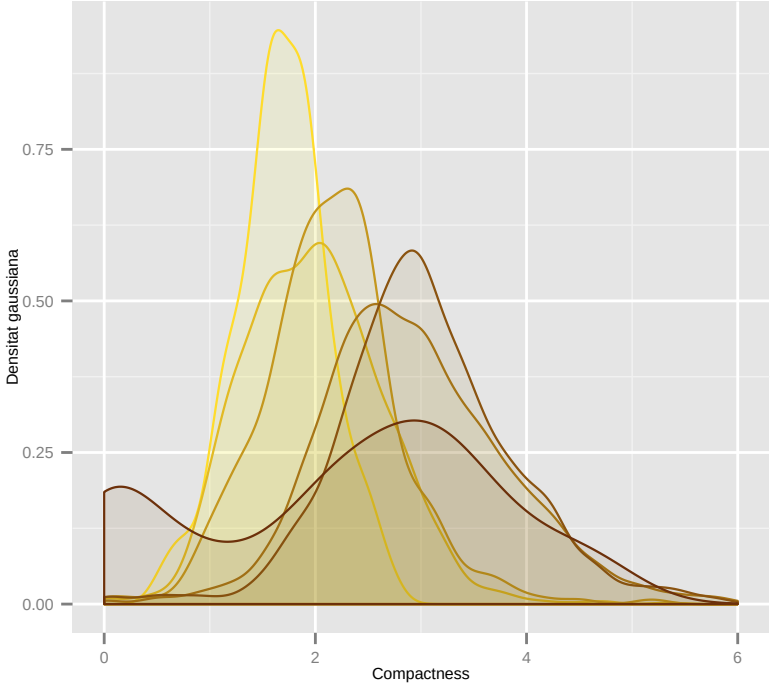
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

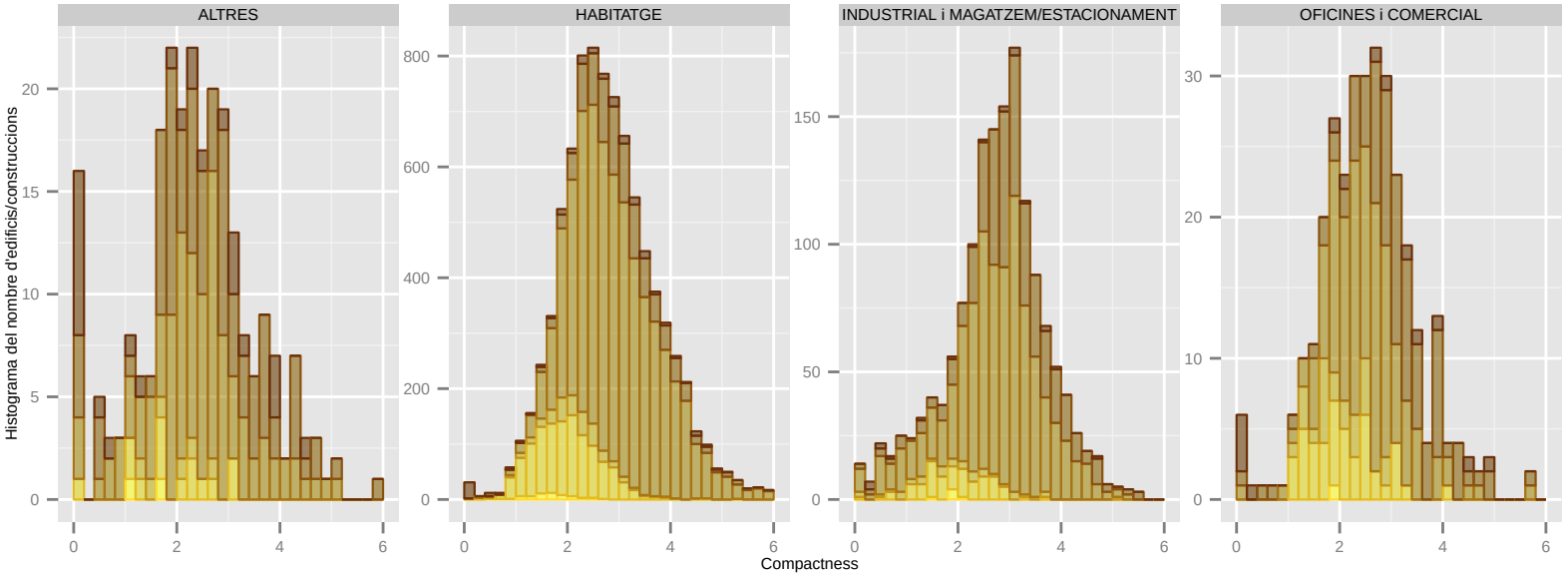
Compactness: L'HOSPITALET DE LLOBREGAT





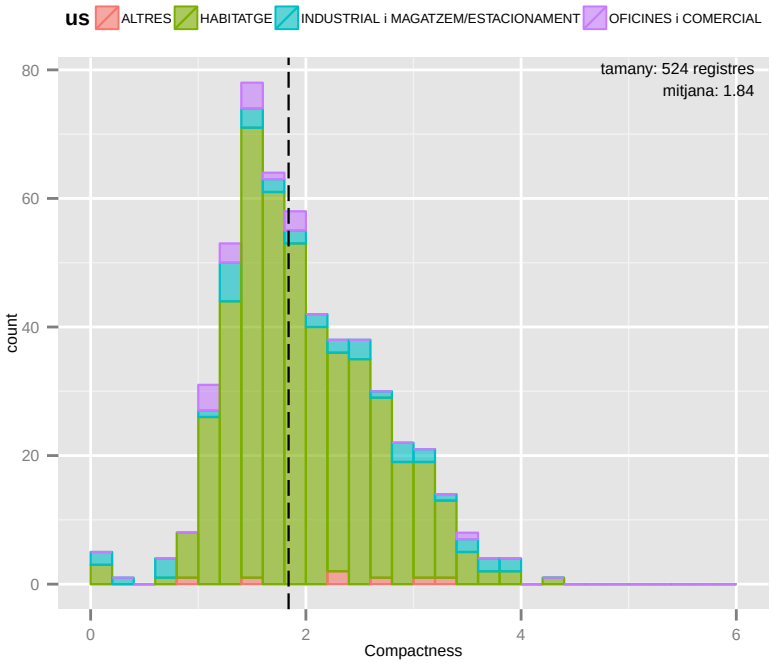


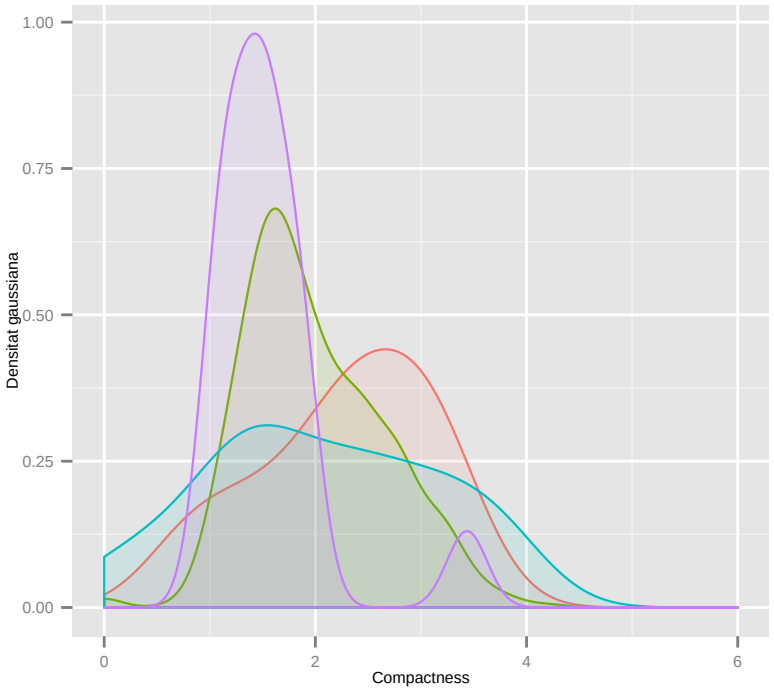


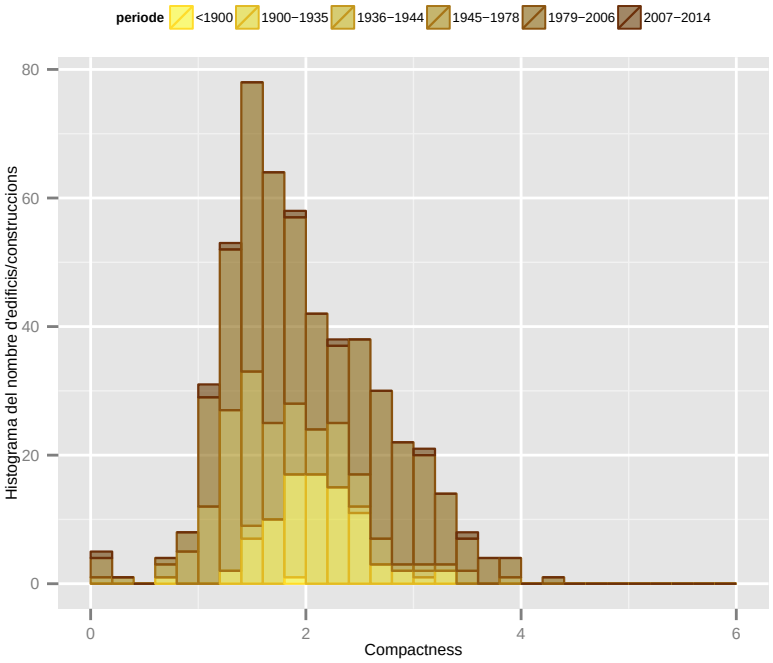


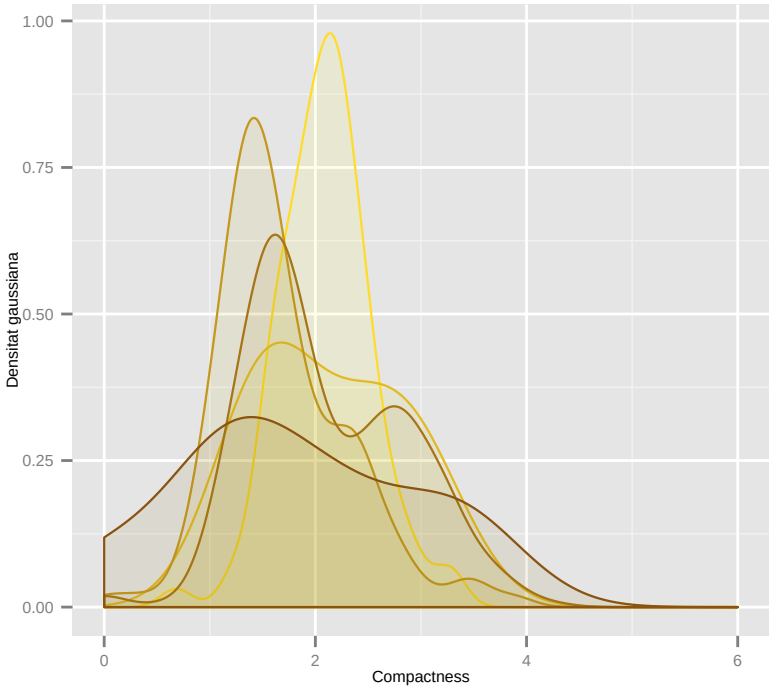
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

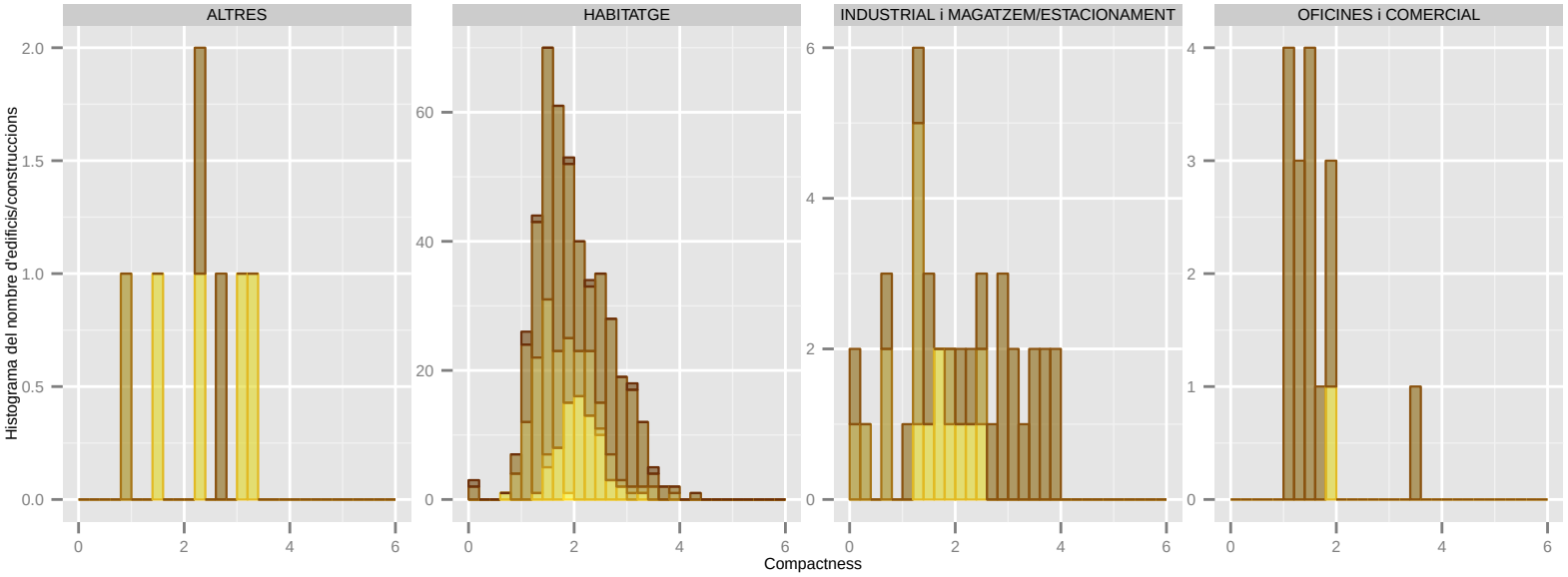
Compactness: LA PALMA DE CERVELLO





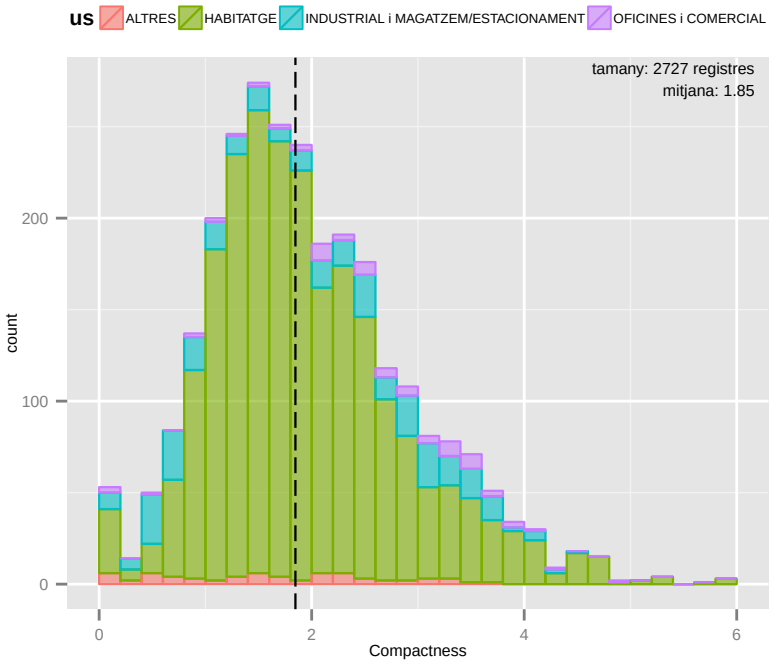


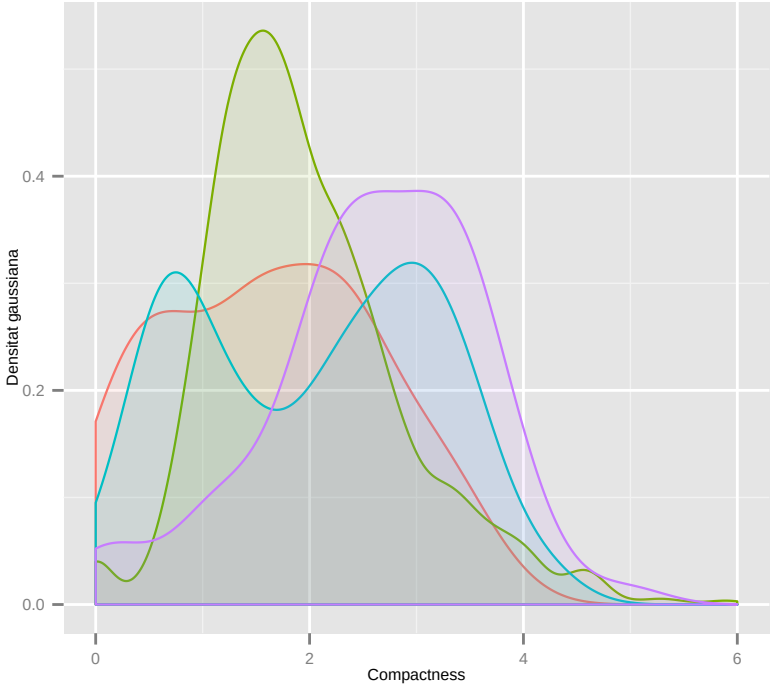


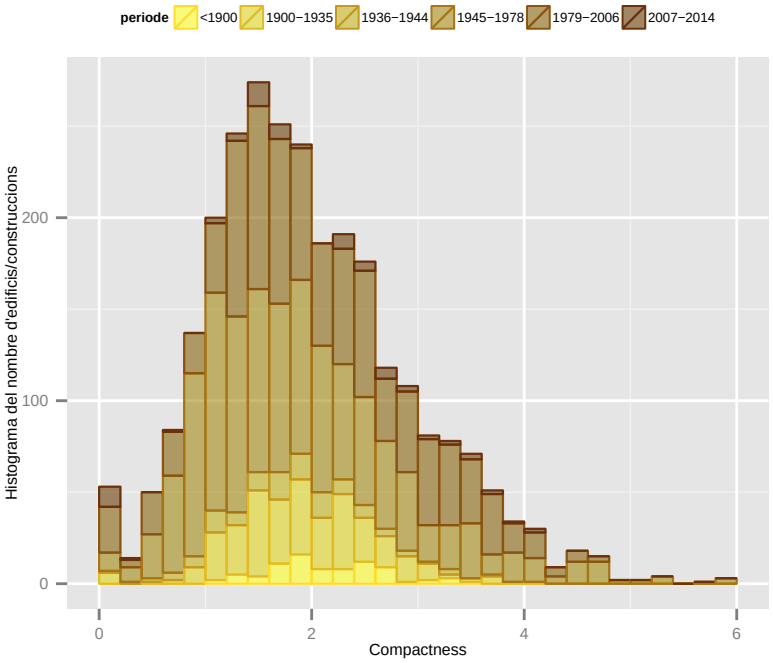


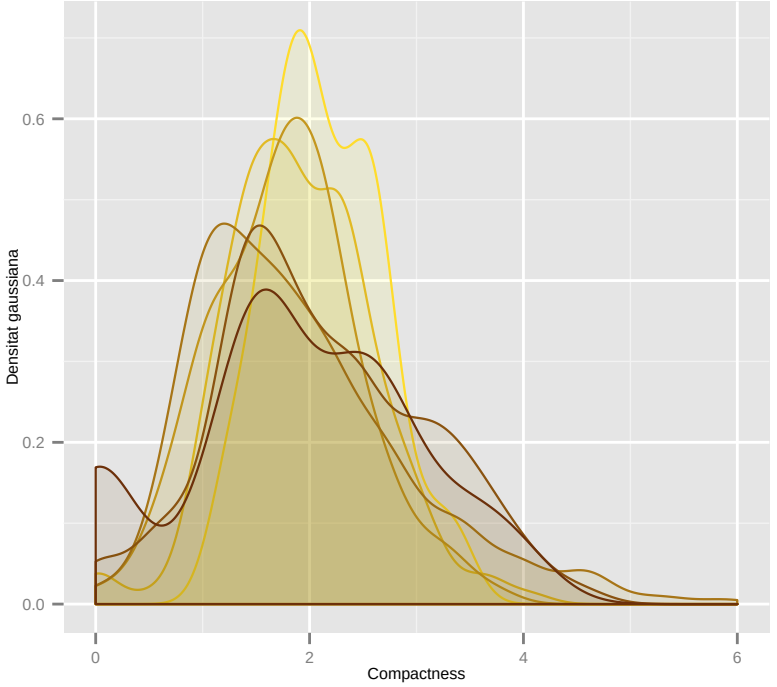
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

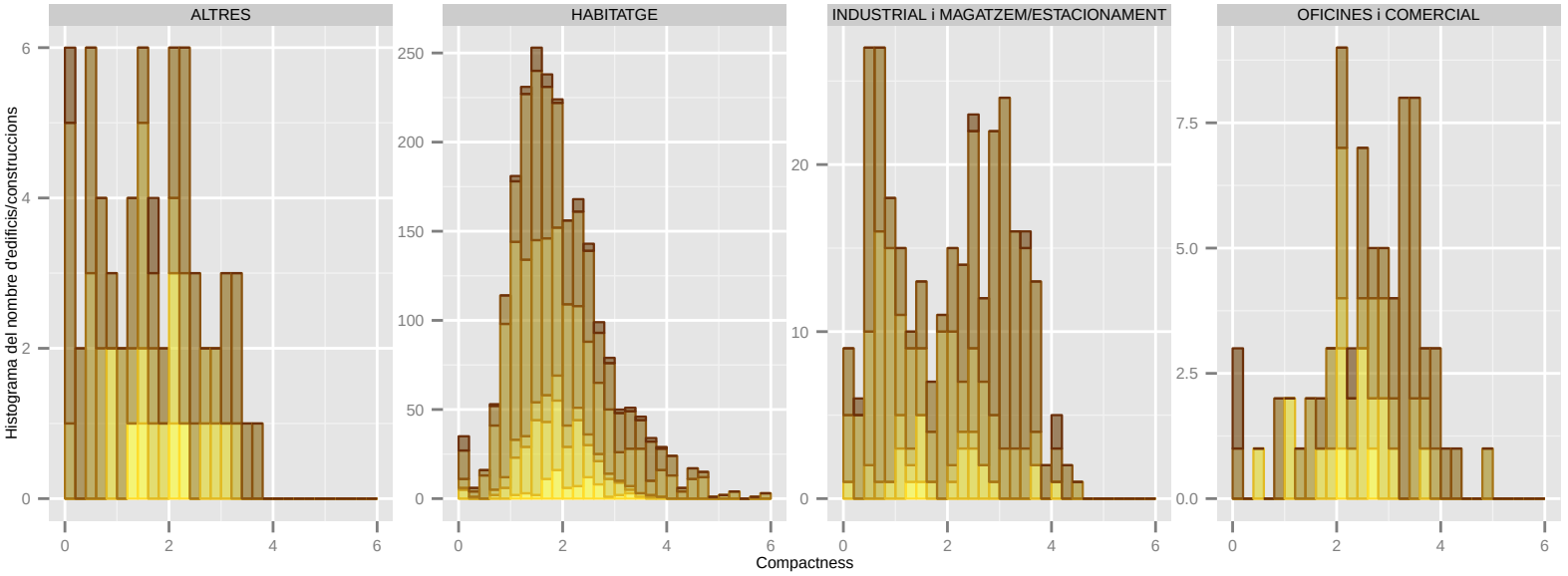
Compactness: MOLINS DE REI











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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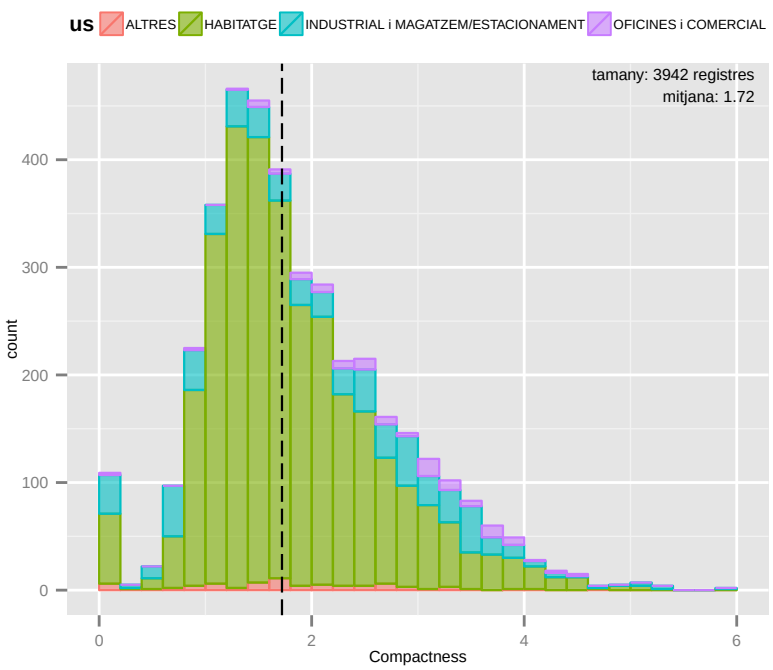

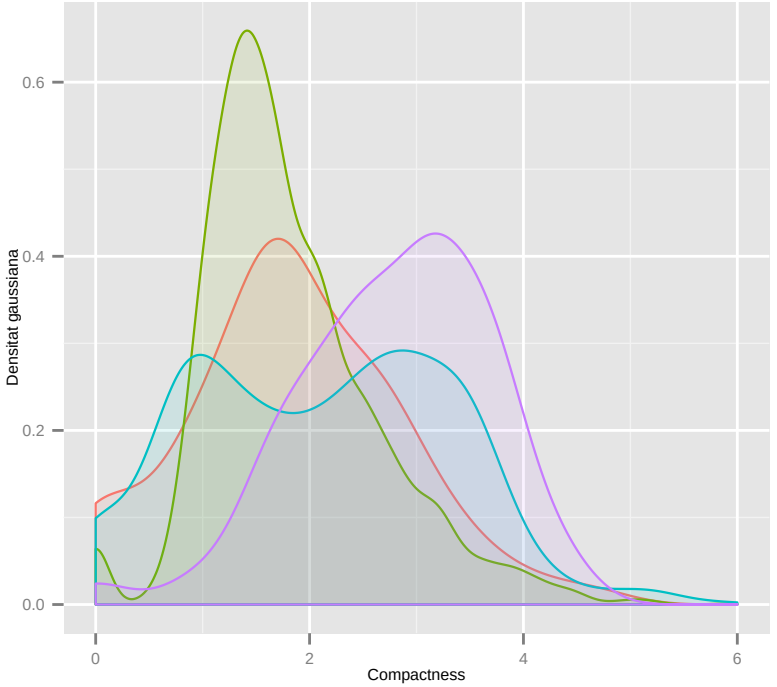

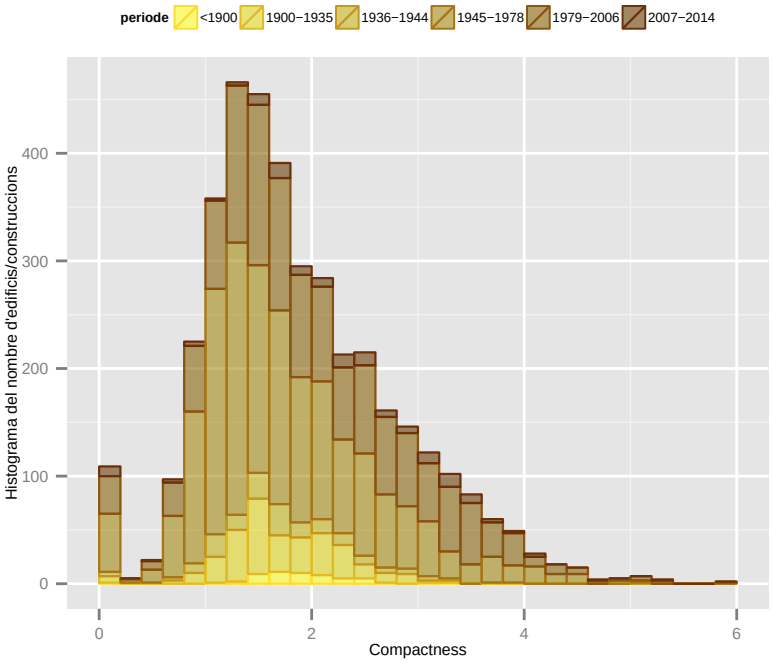

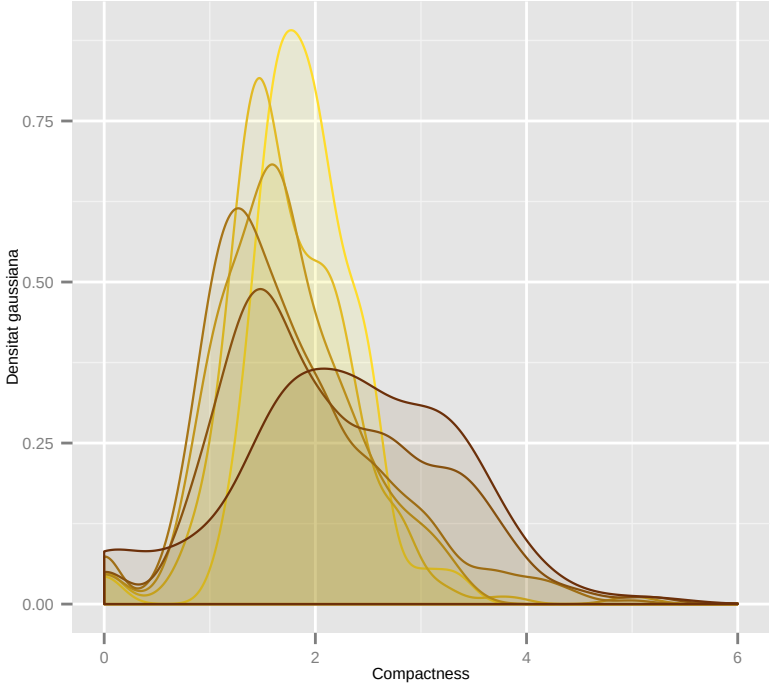

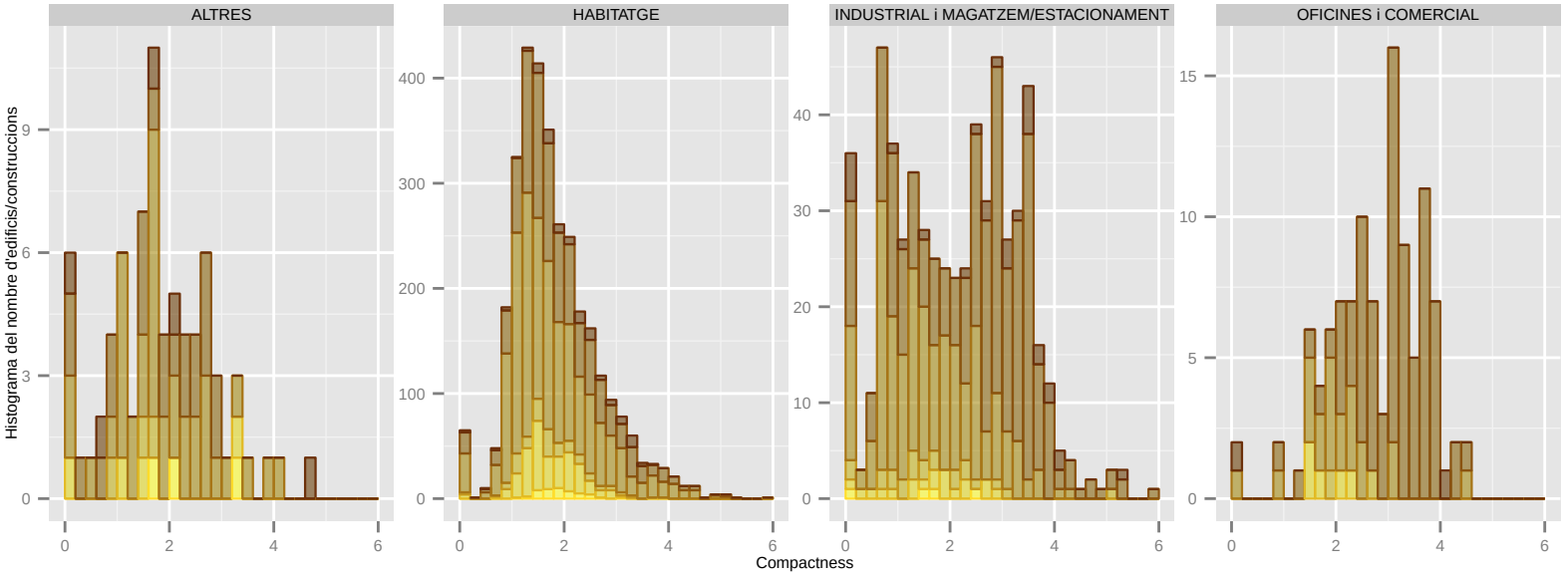

Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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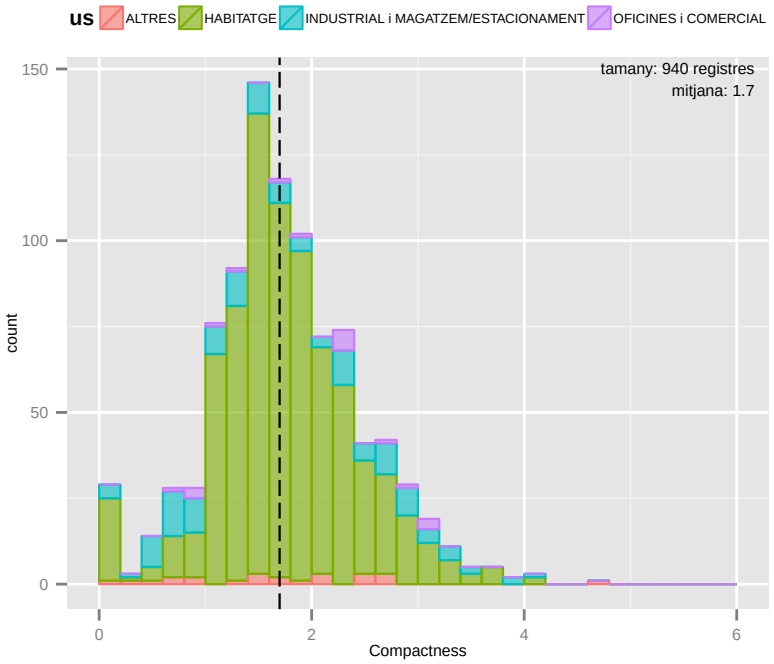
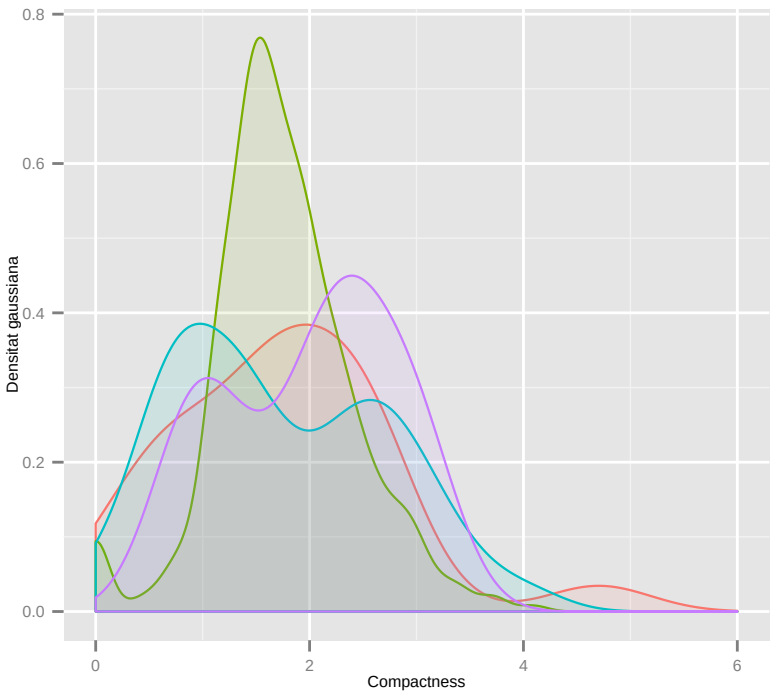
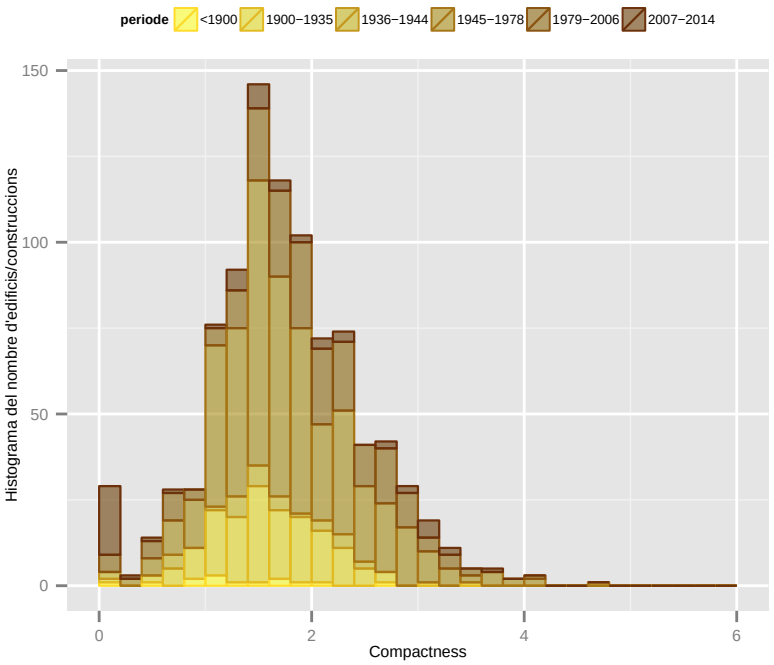
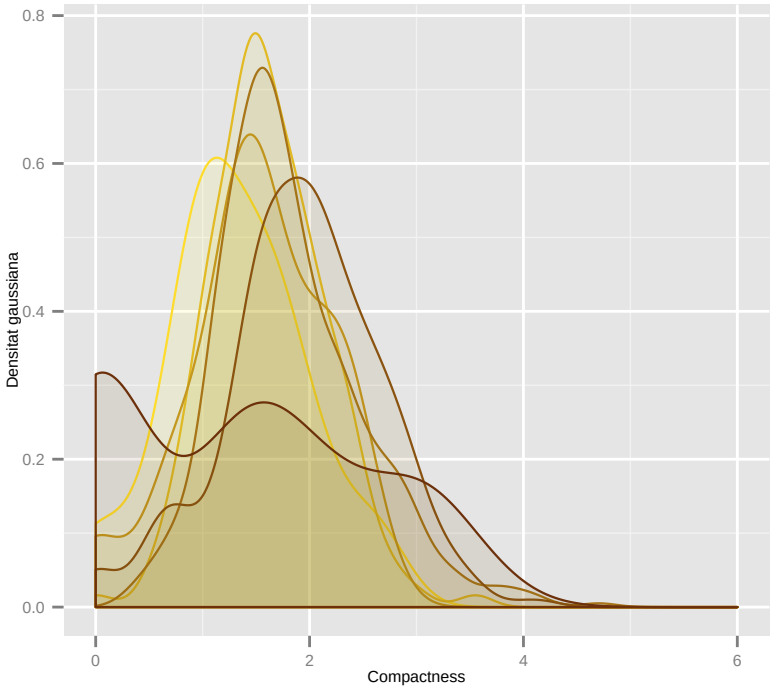
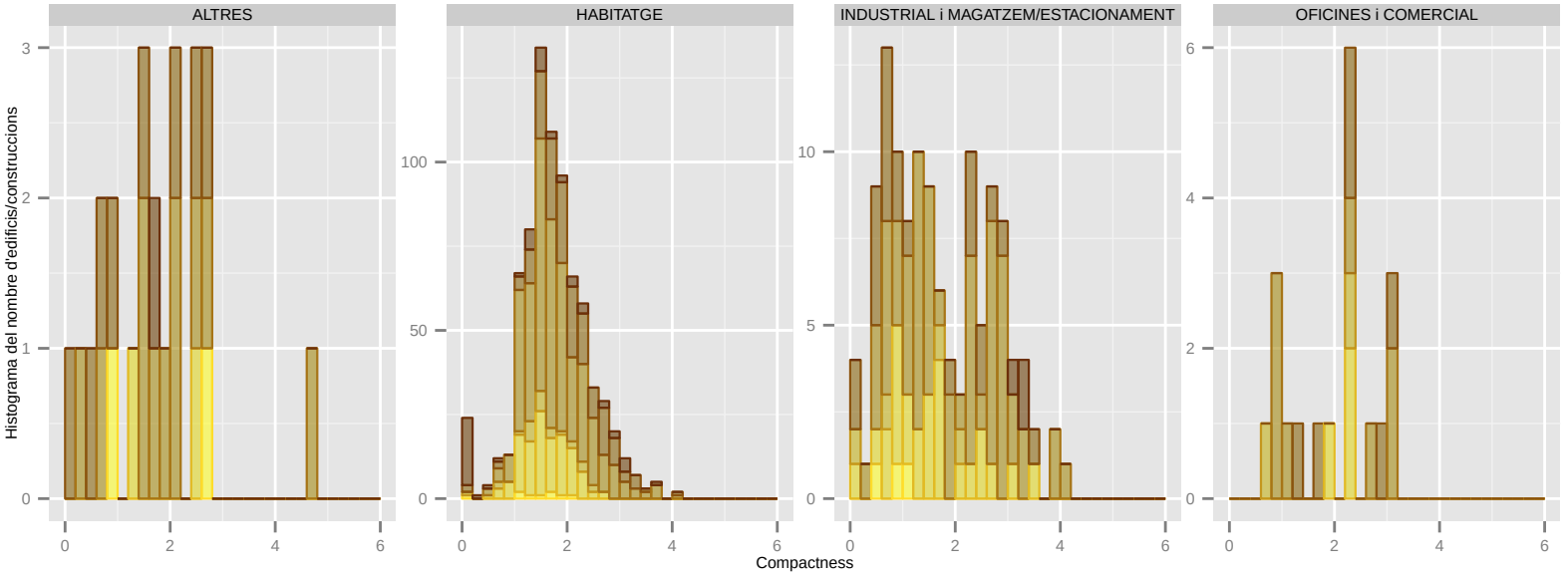




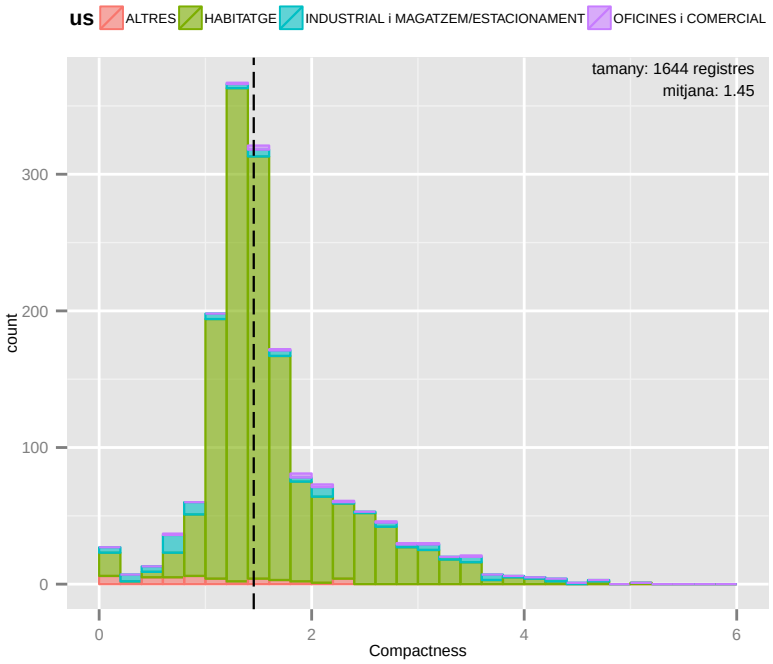


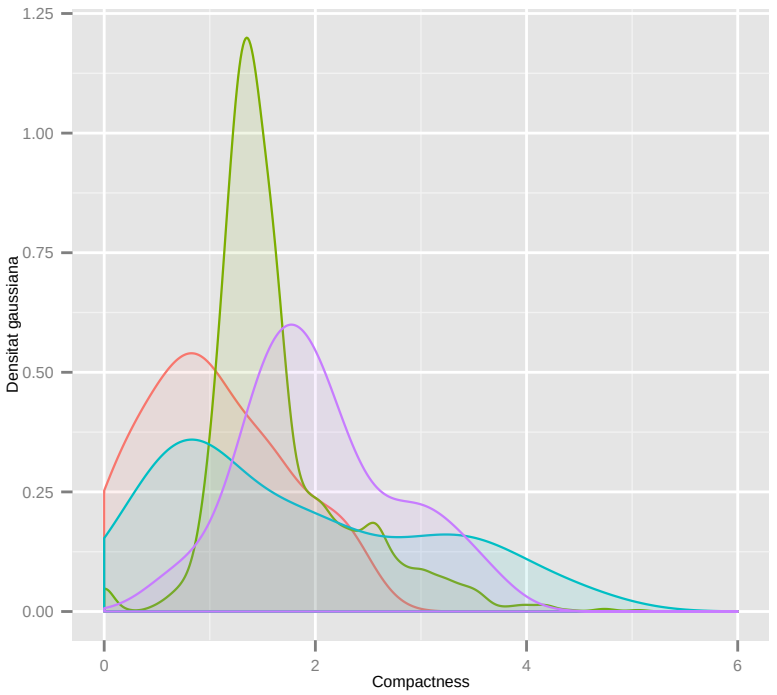


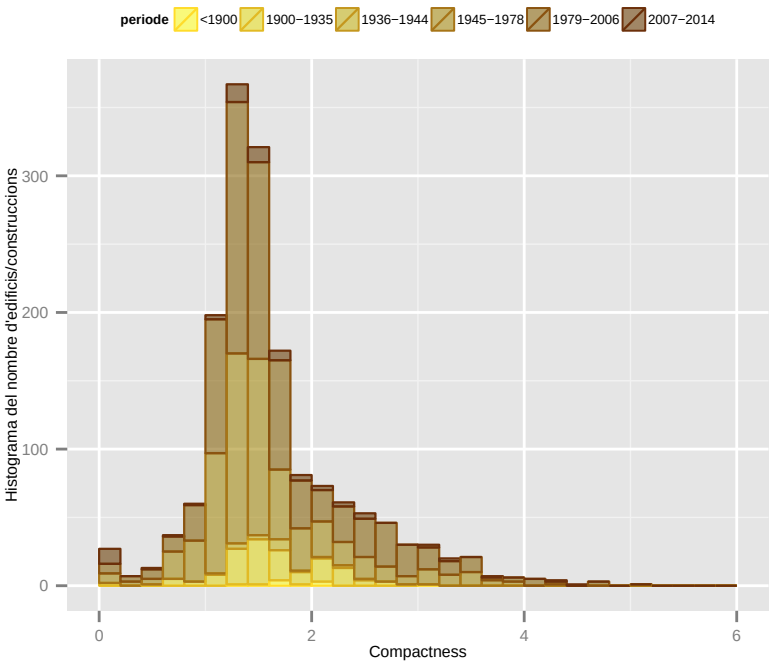


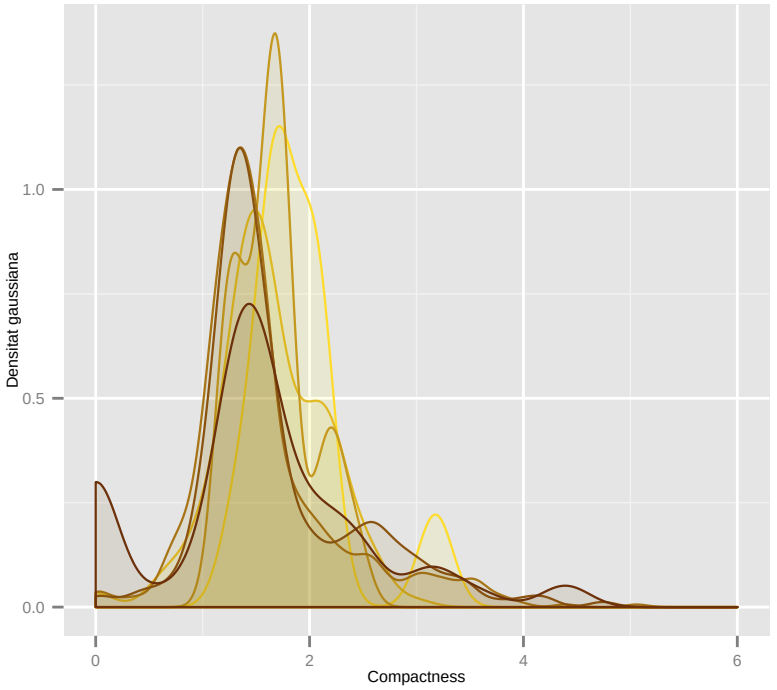
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

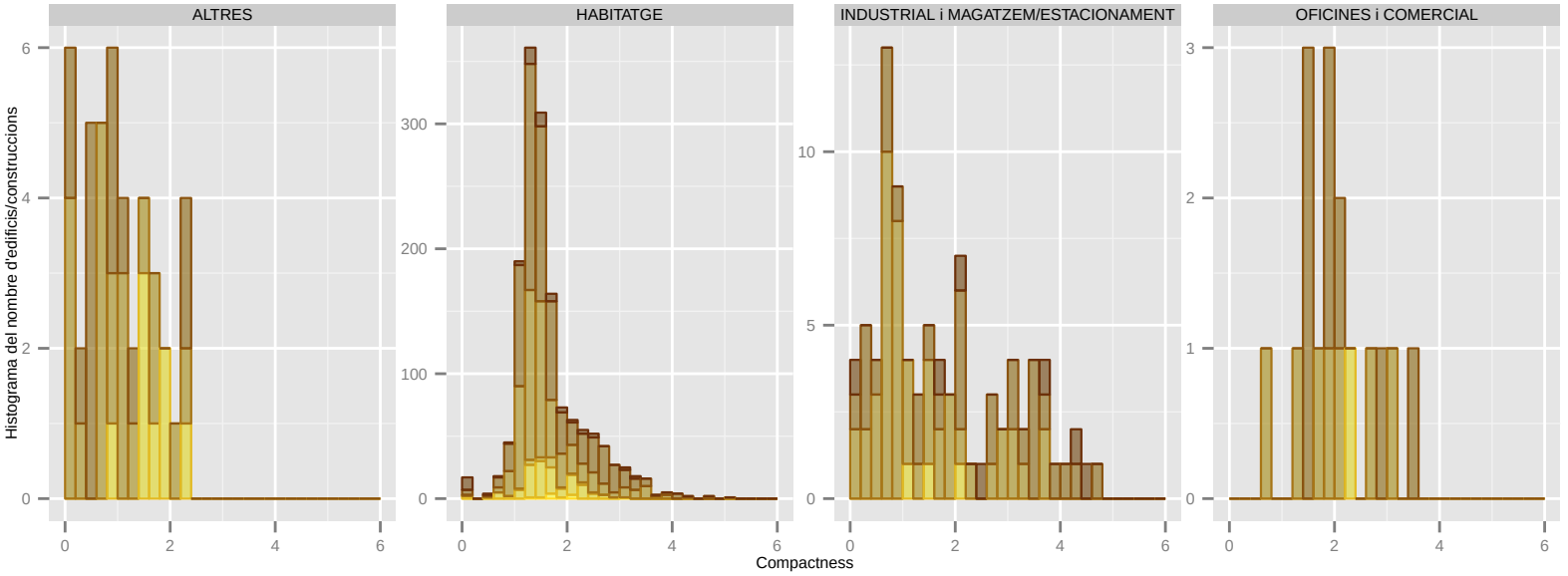
Compactness: PALLEJA





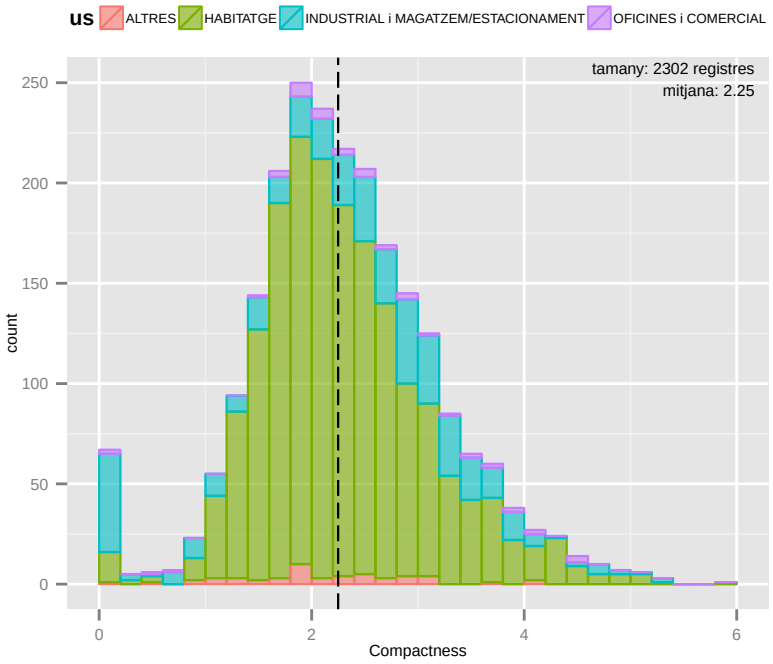


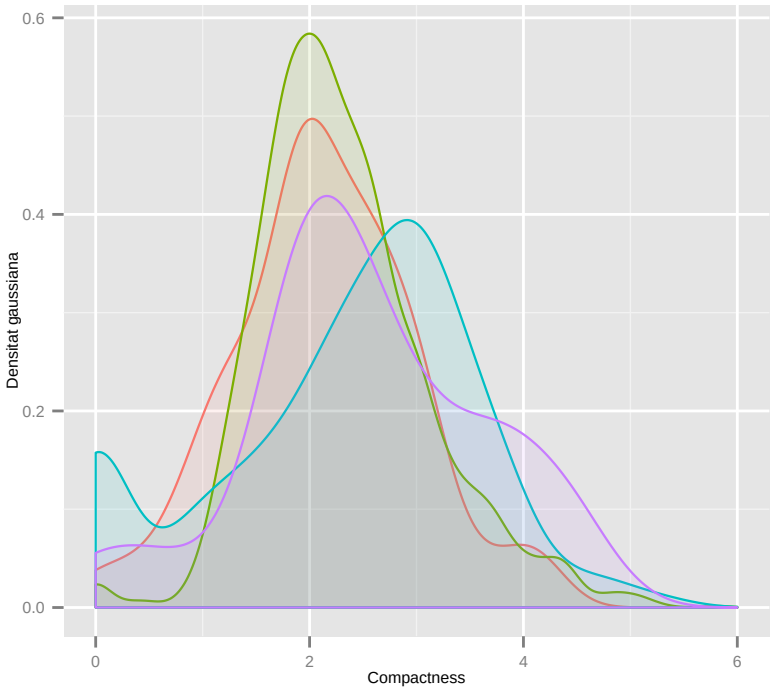


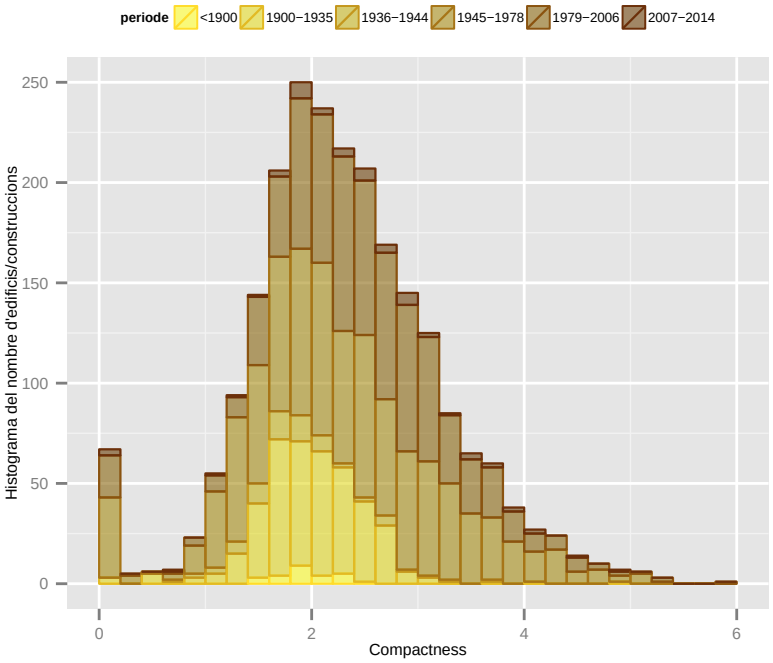


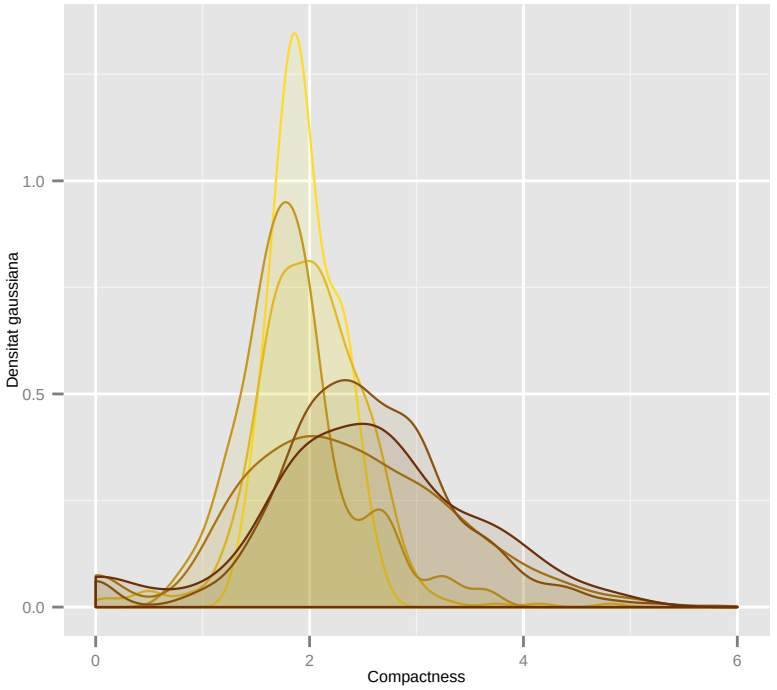
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

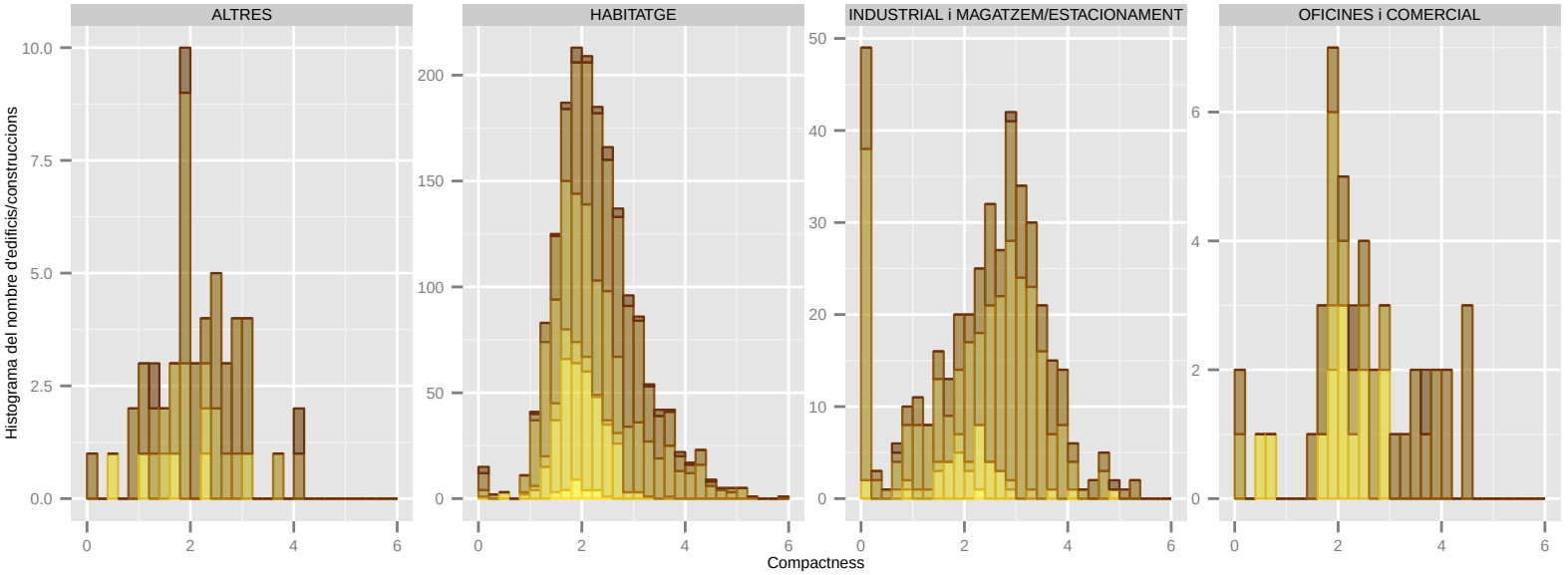
Compactness: RIPOLLET





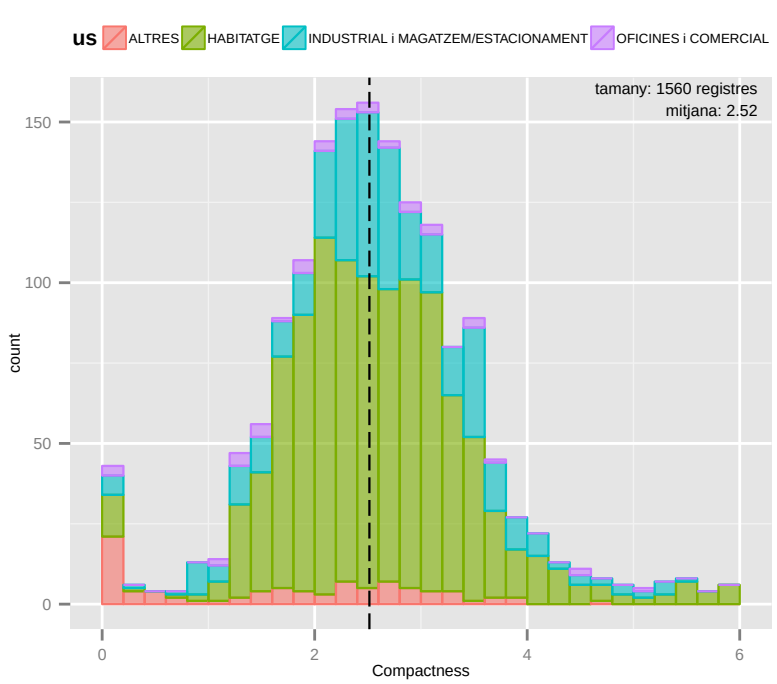


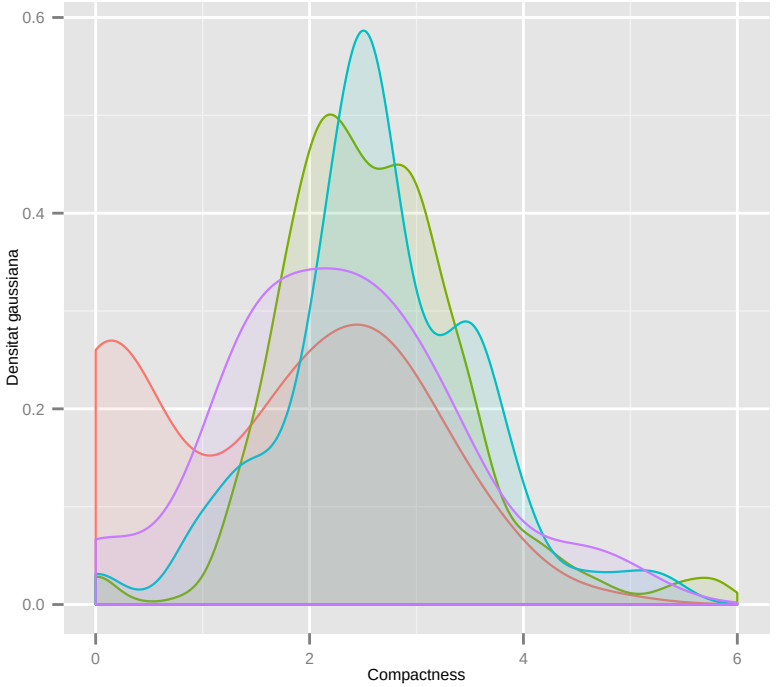


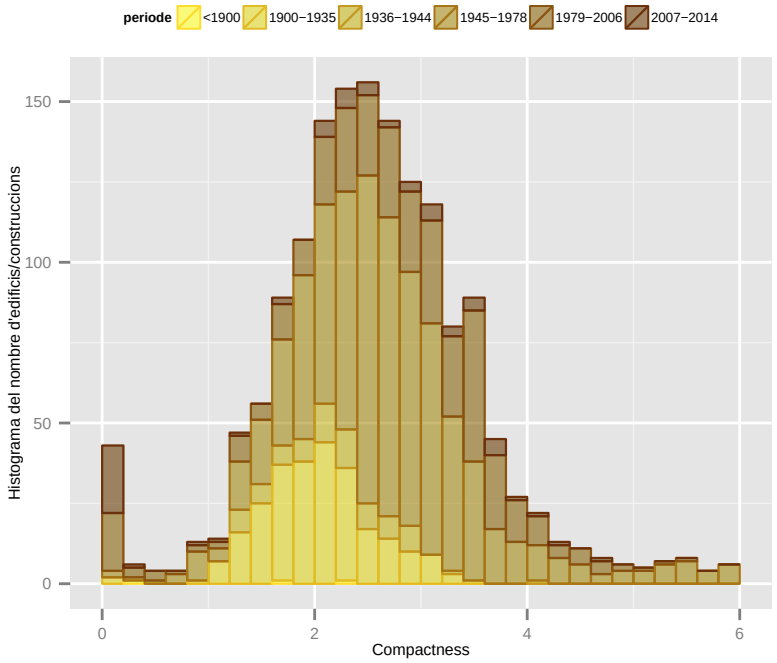


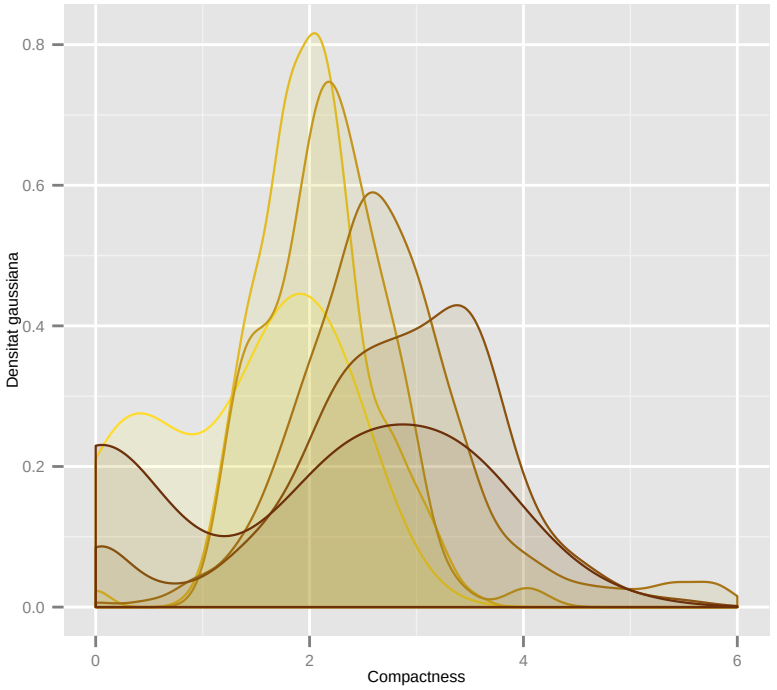
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

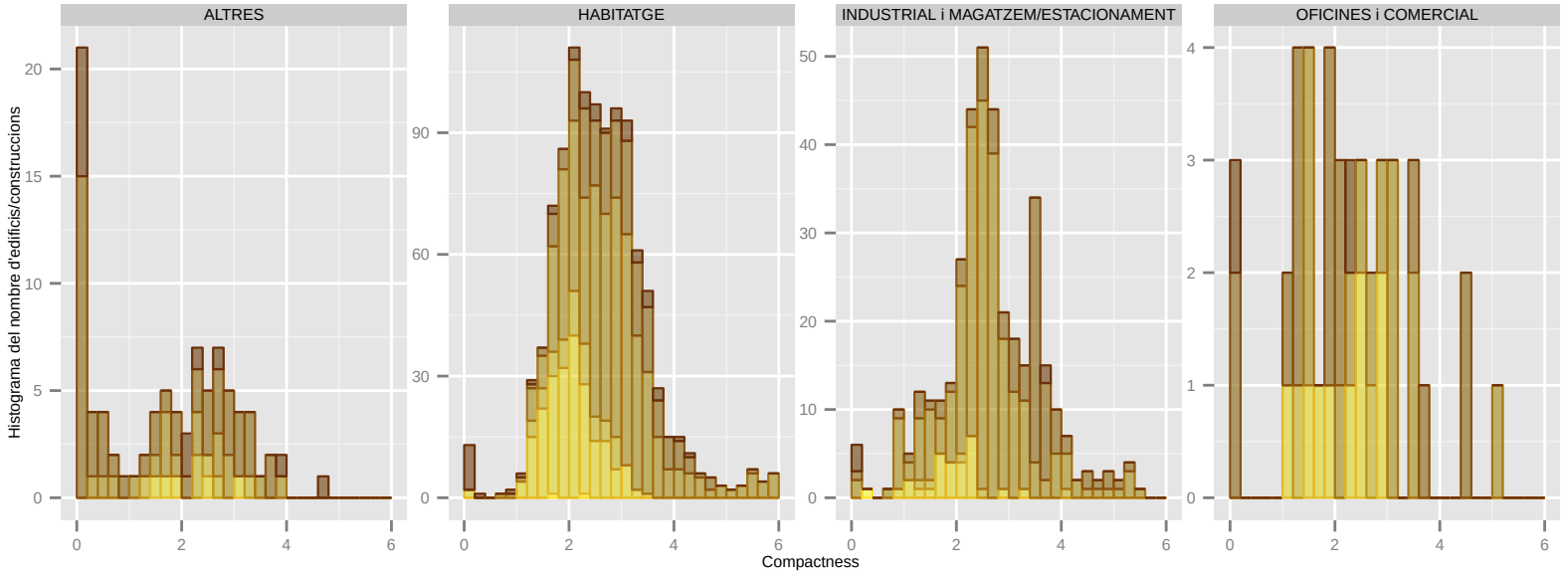
Compactness: SANT ADRIA DE BESOS





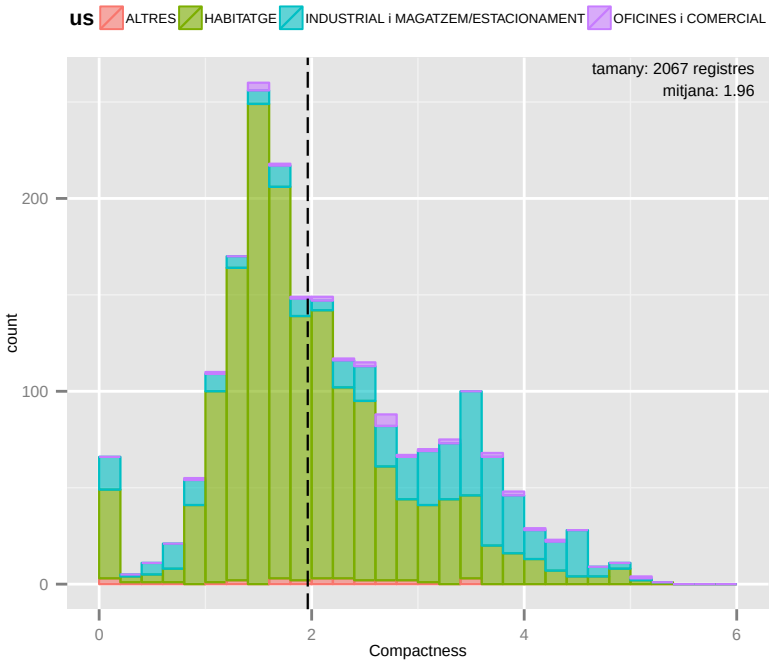


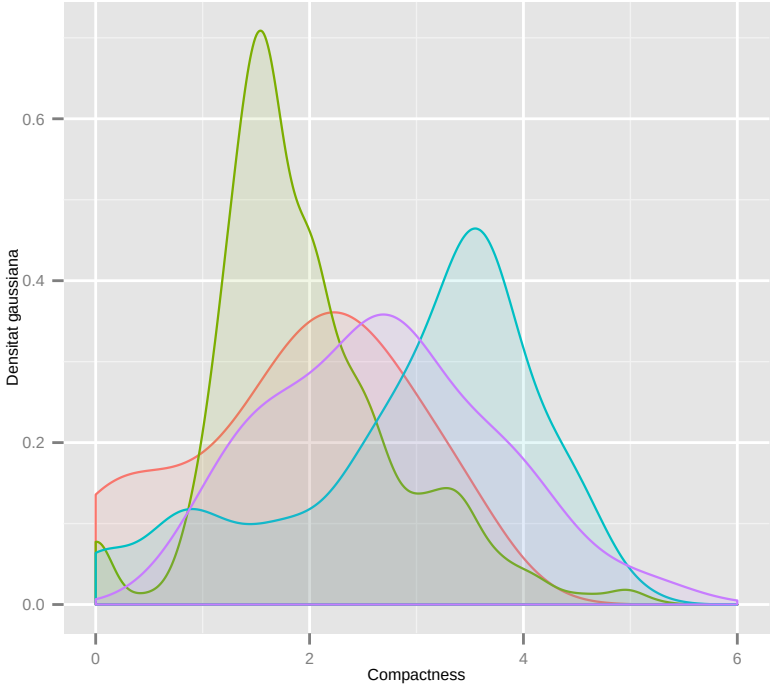


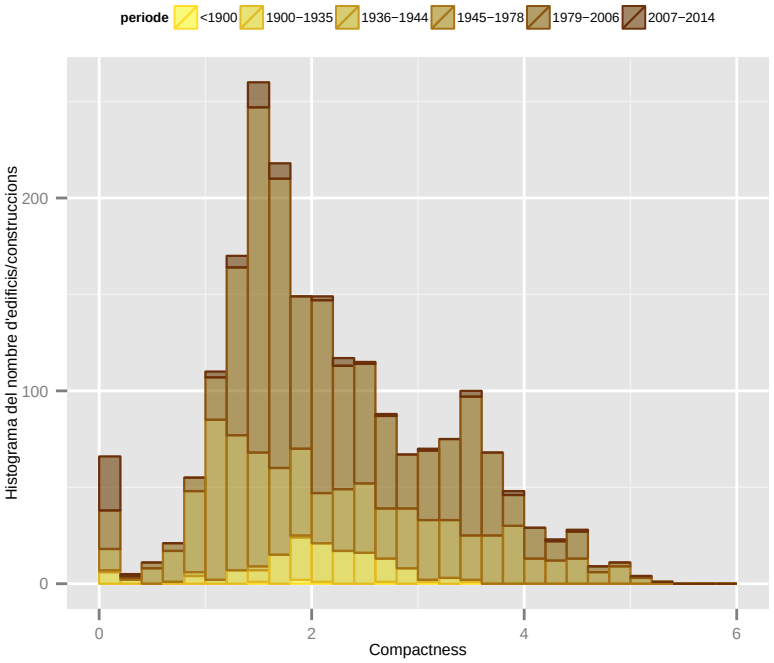


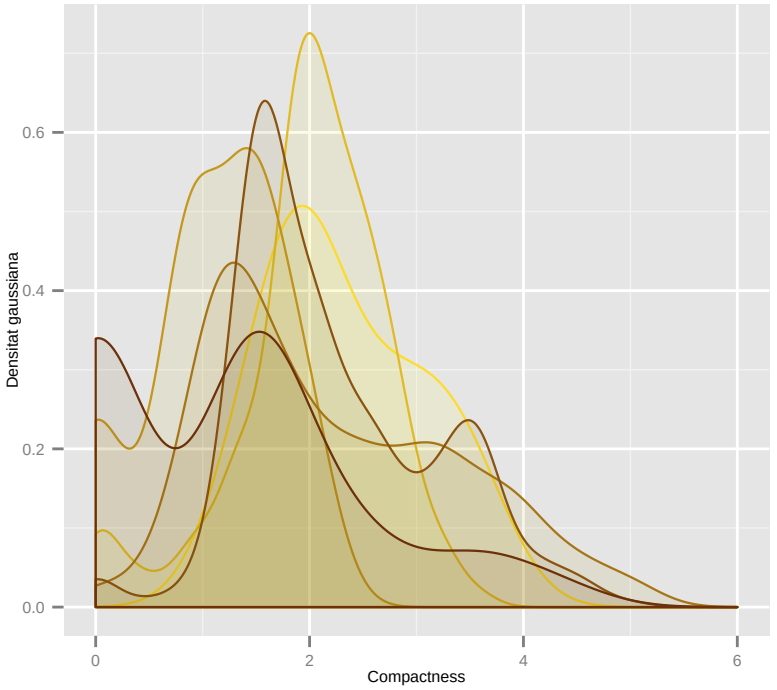
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

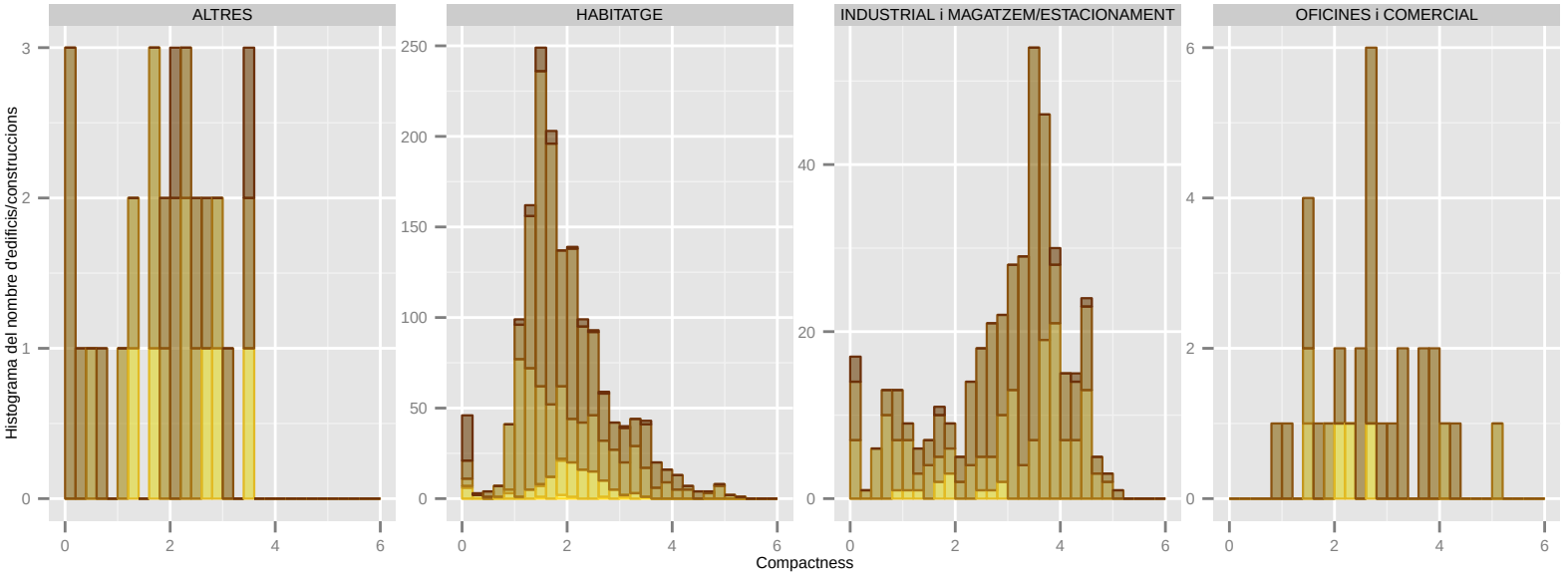
Compactness: SANT ANDREU DE LA BARCA





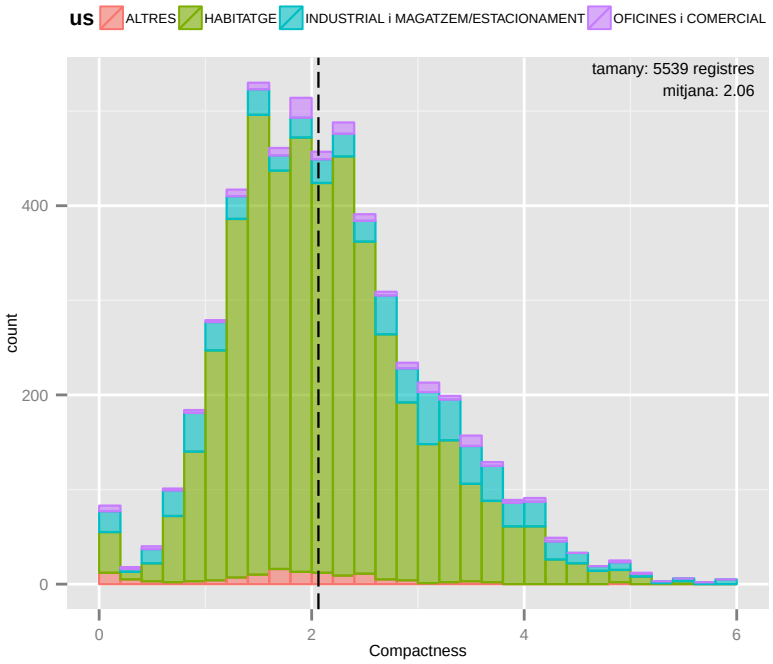


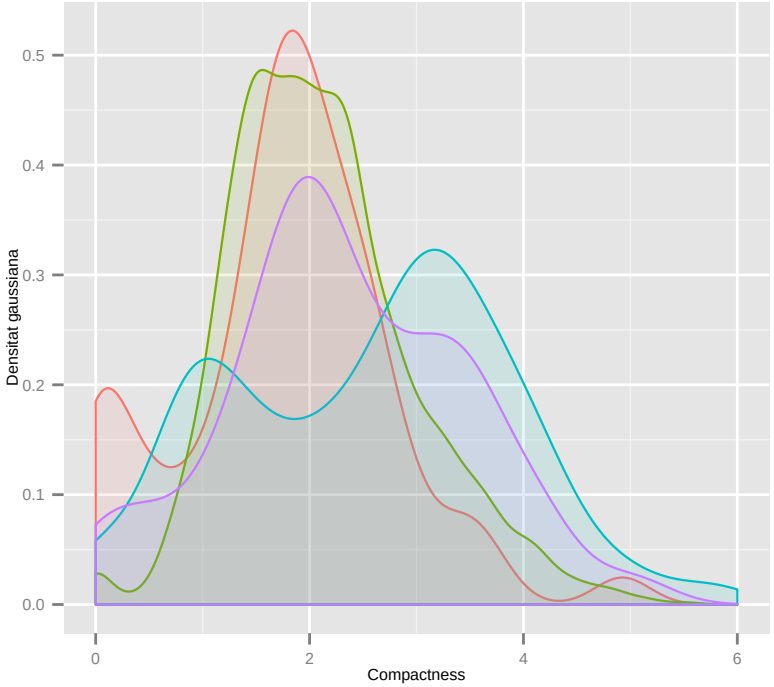


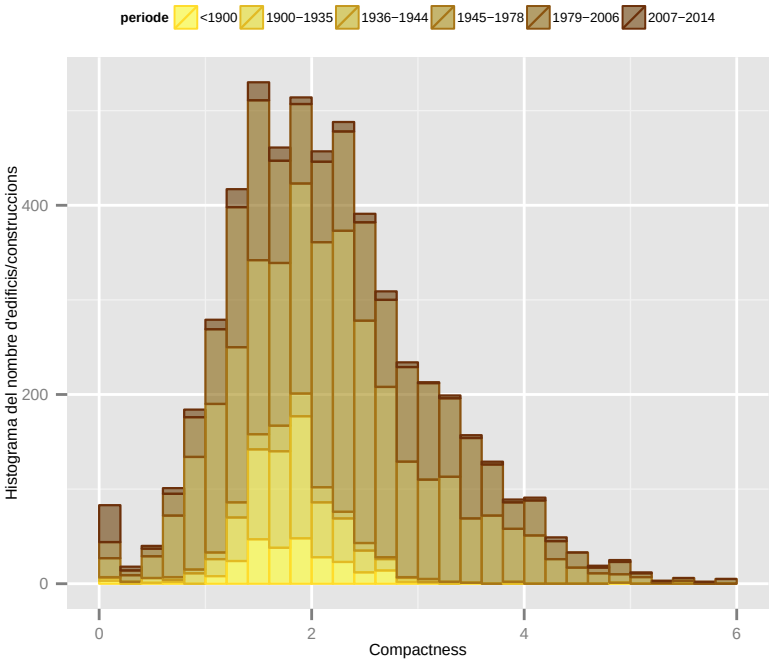


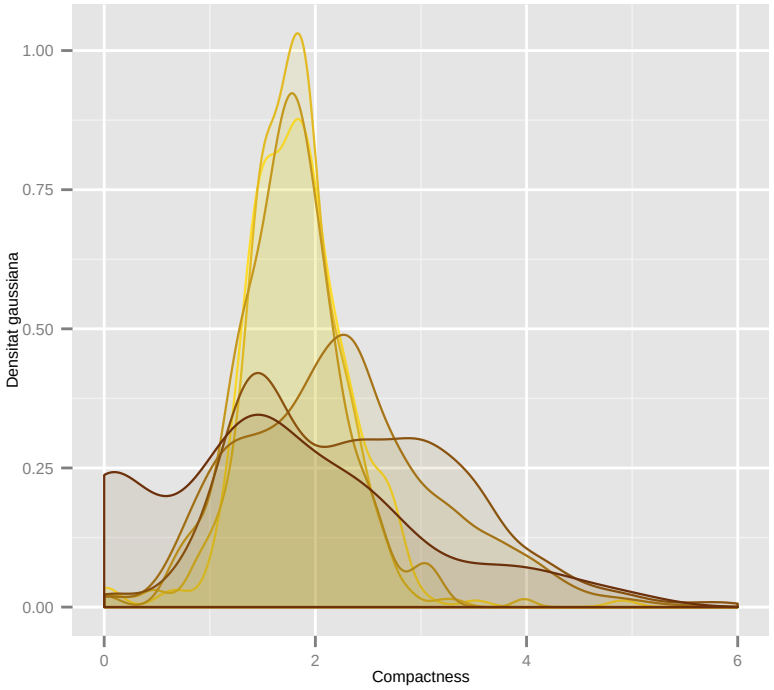
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

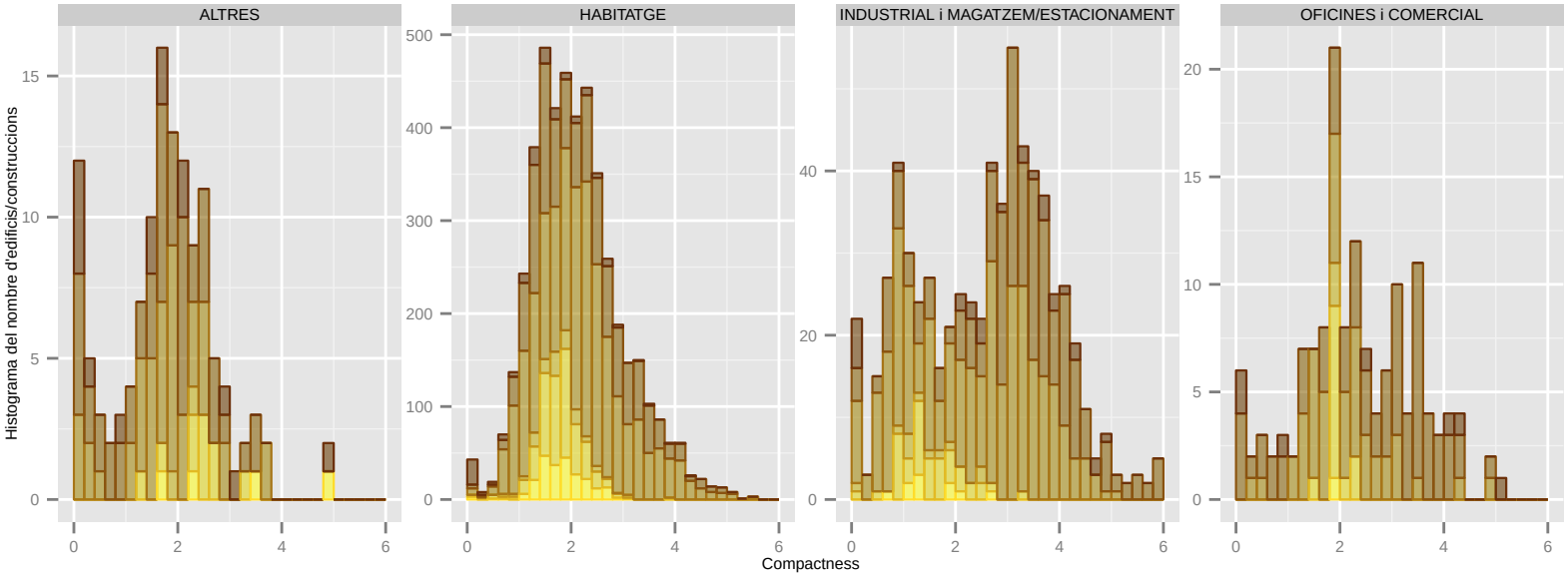
Compactness: SANT BOI DE LLOBREGAT





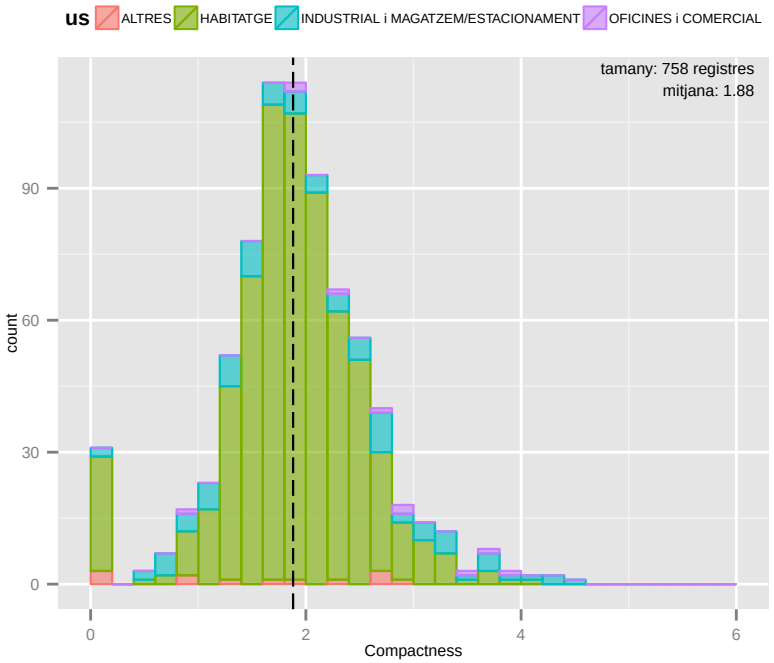


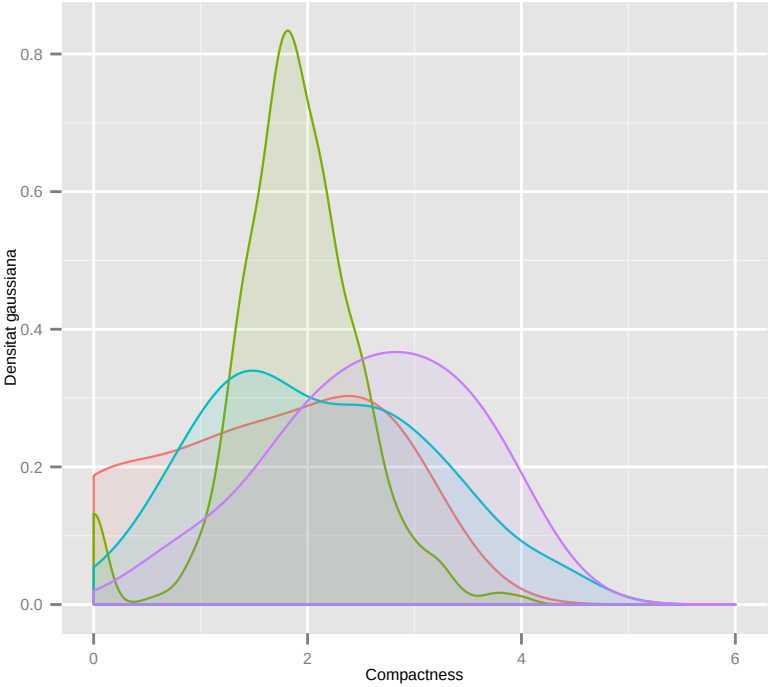


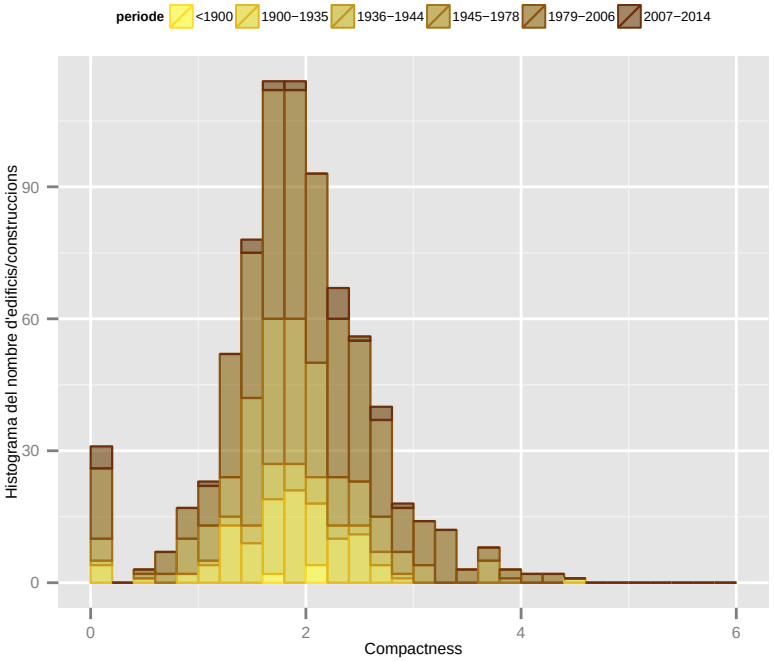


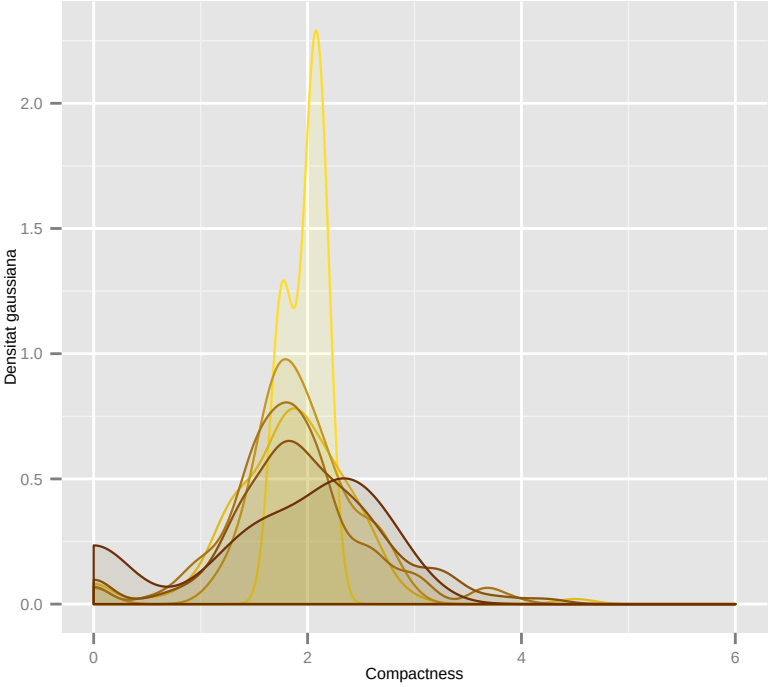
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

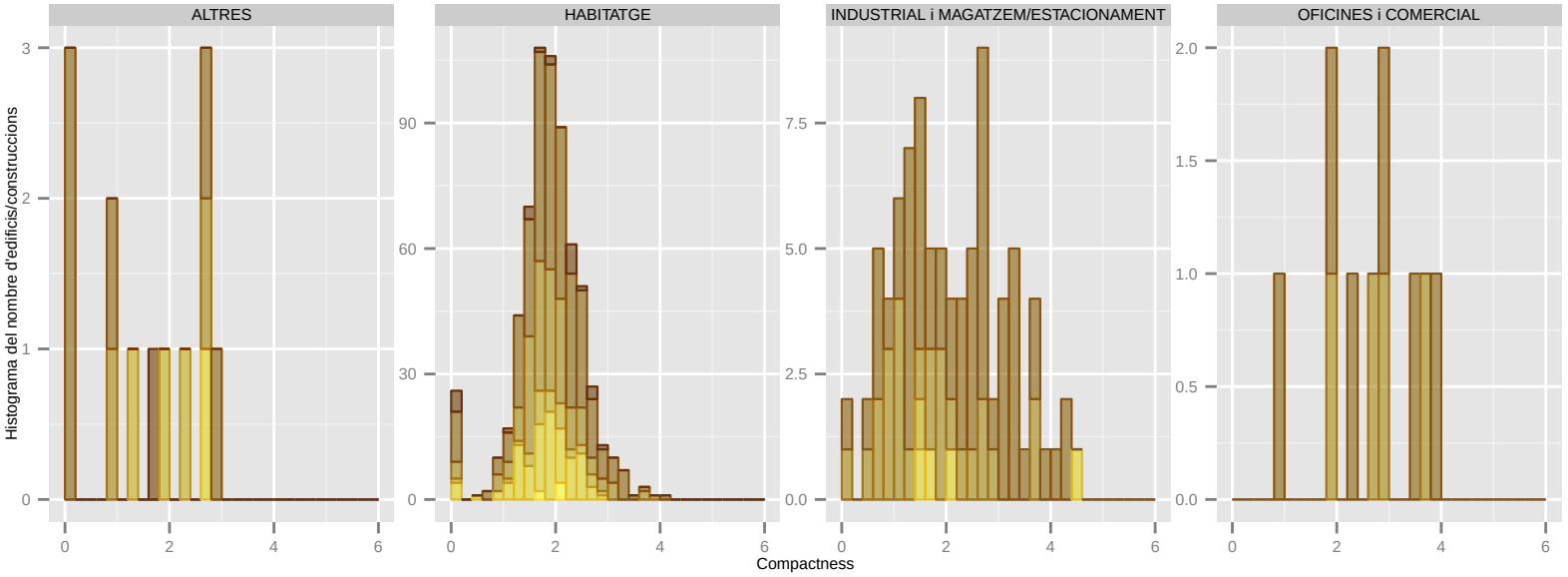
Compactness: SANT CLIMENT DE LLOBREGAT





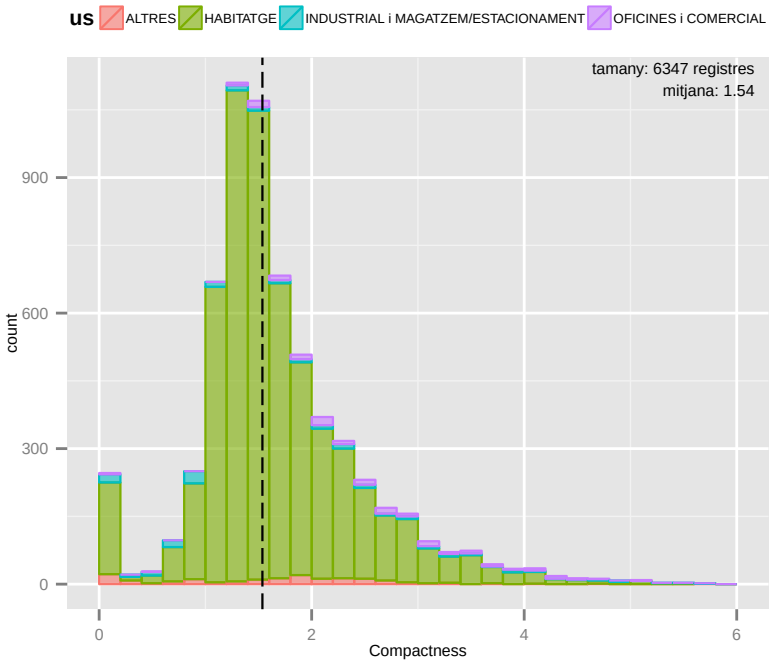


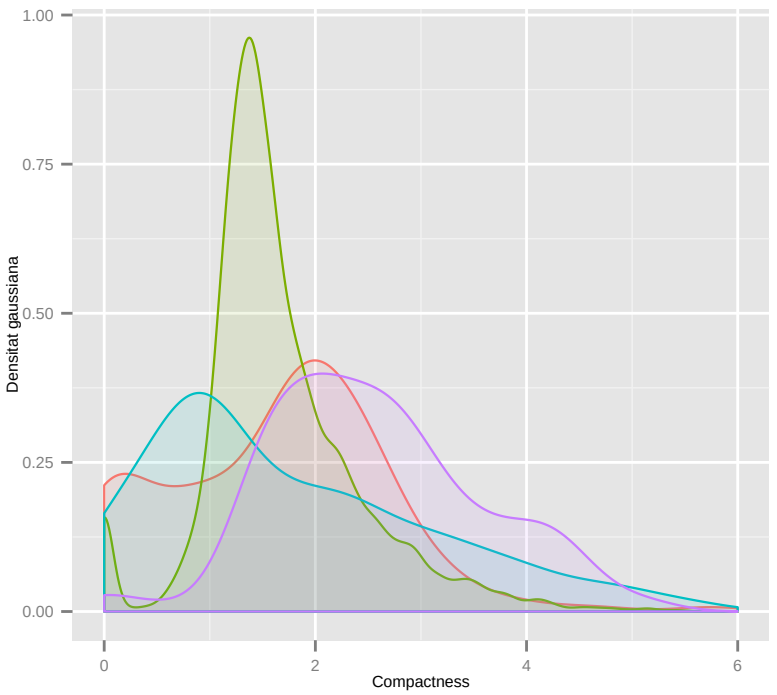


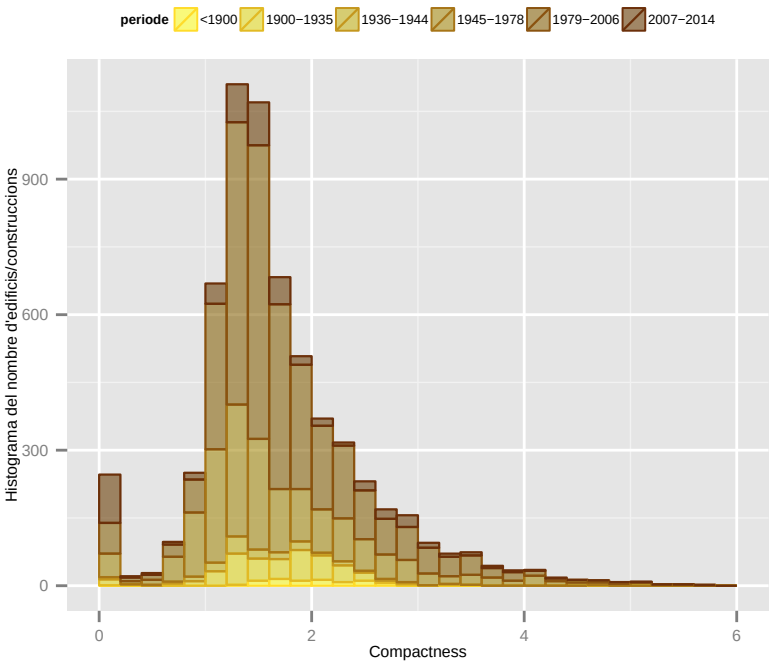


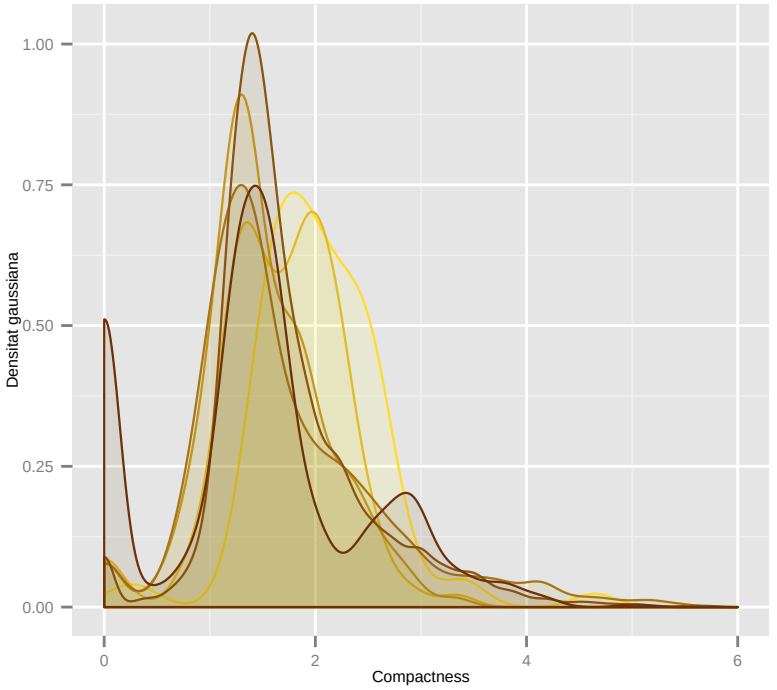
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

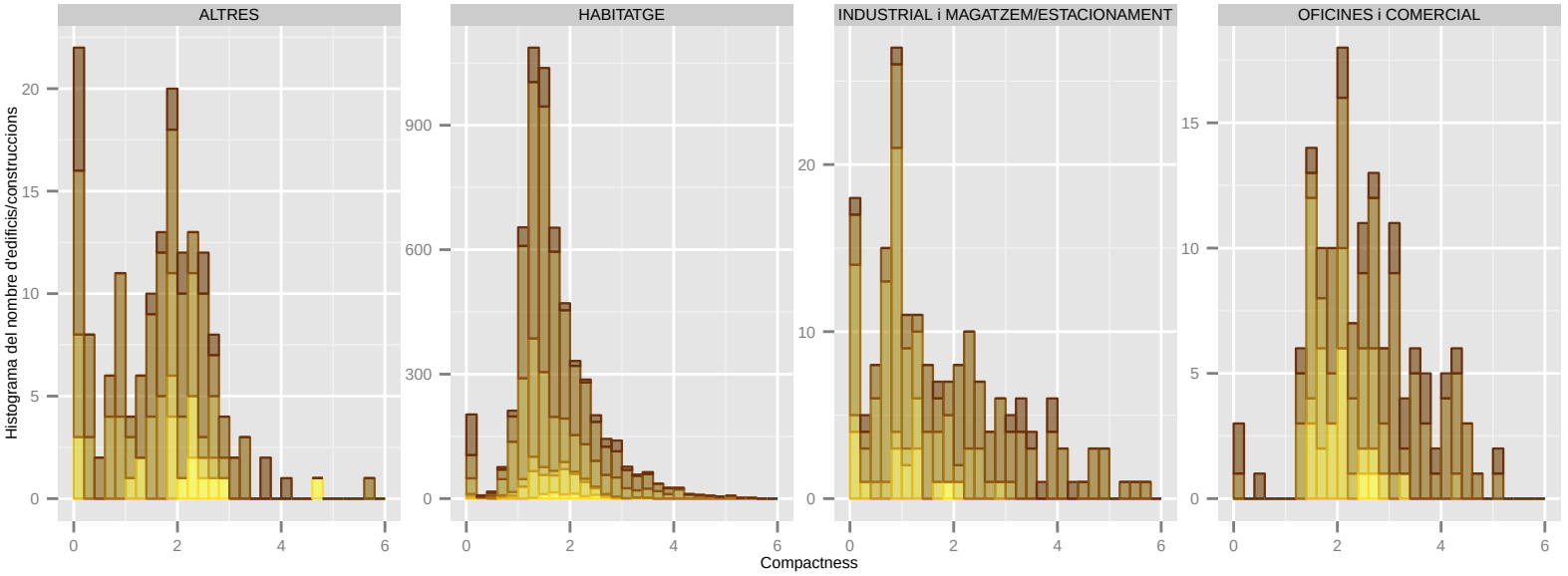
Compactness: SANT CUGAT DEL VALLES





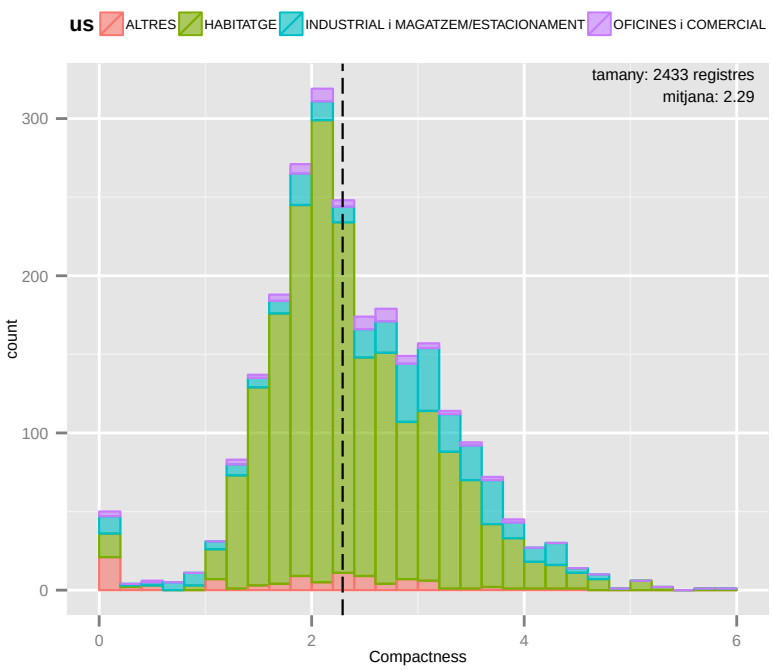


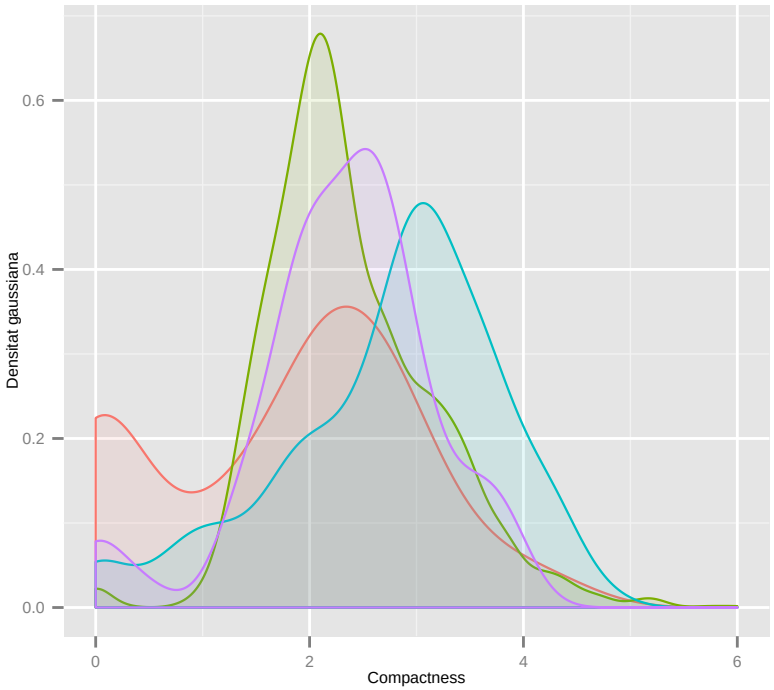


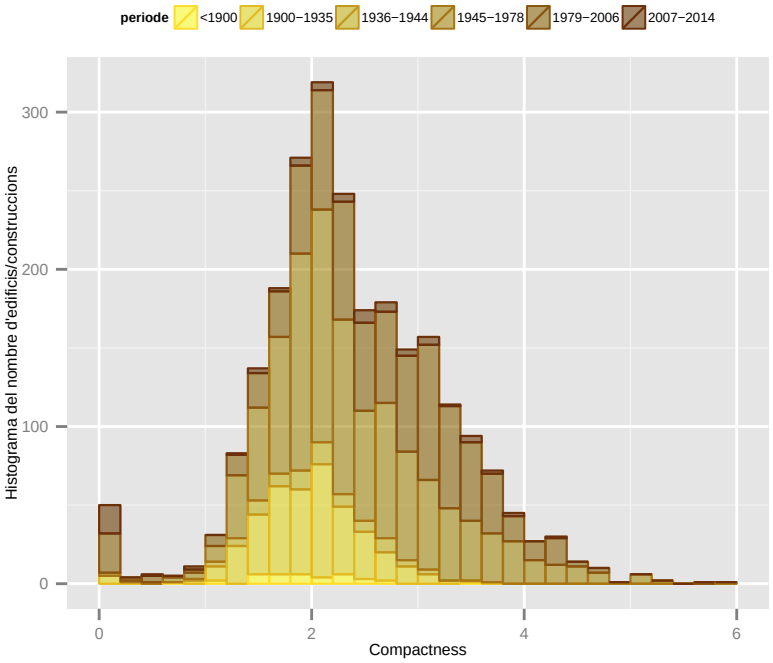


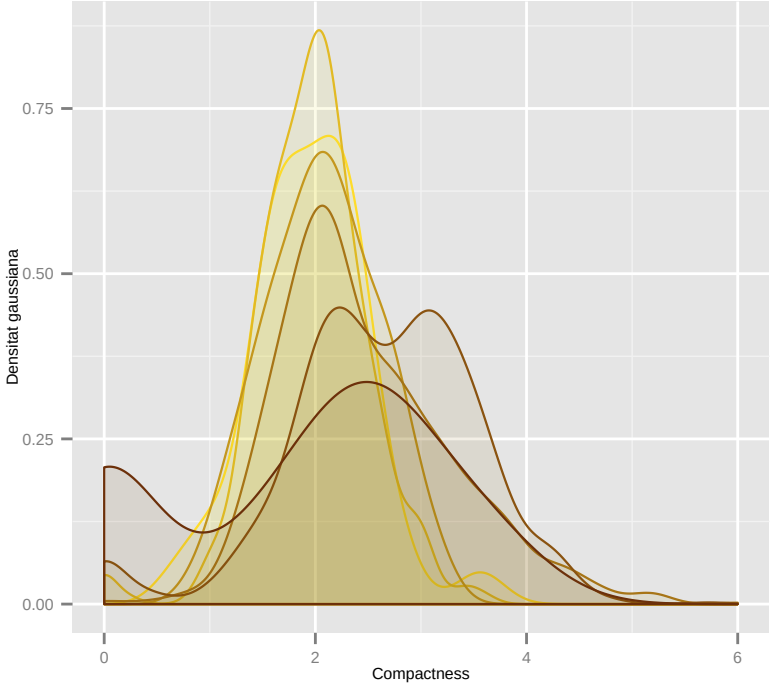
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

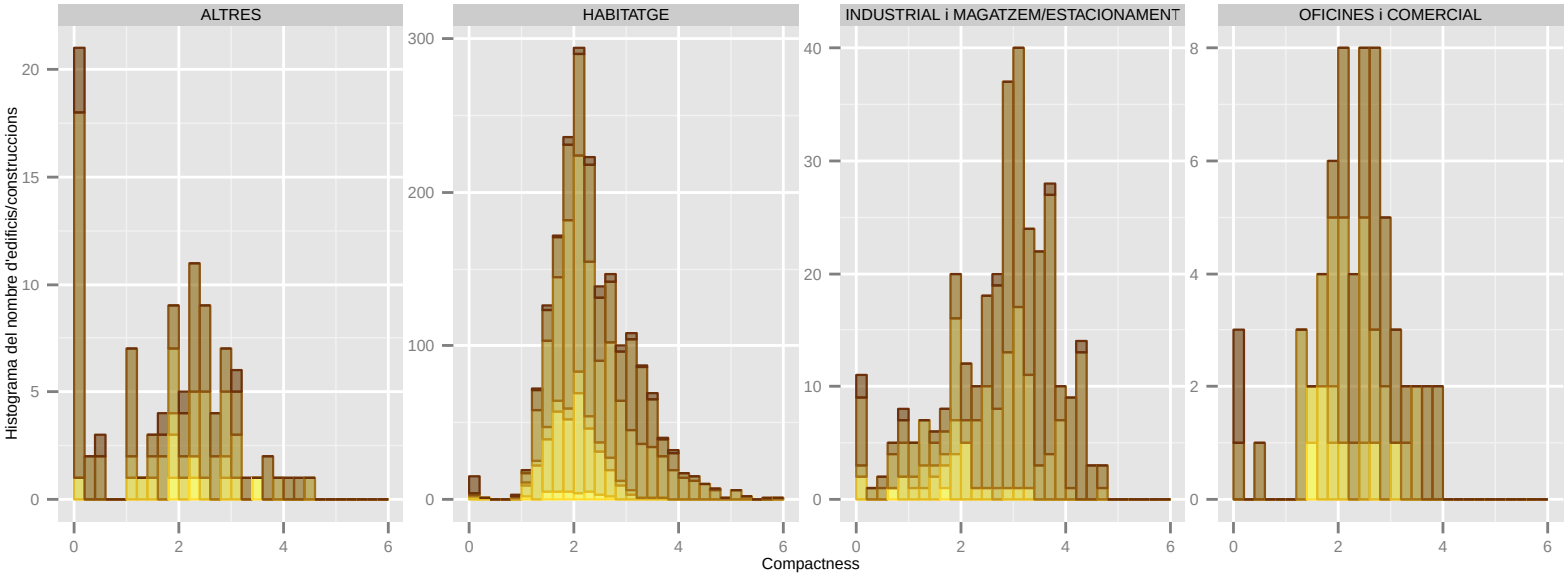
Compactness: SANT FELIU DE LLOBREGAT





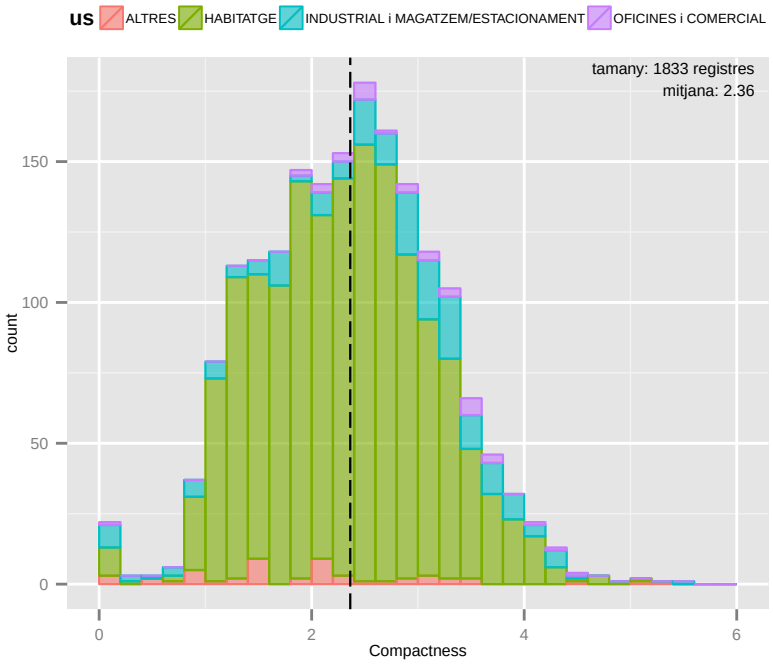


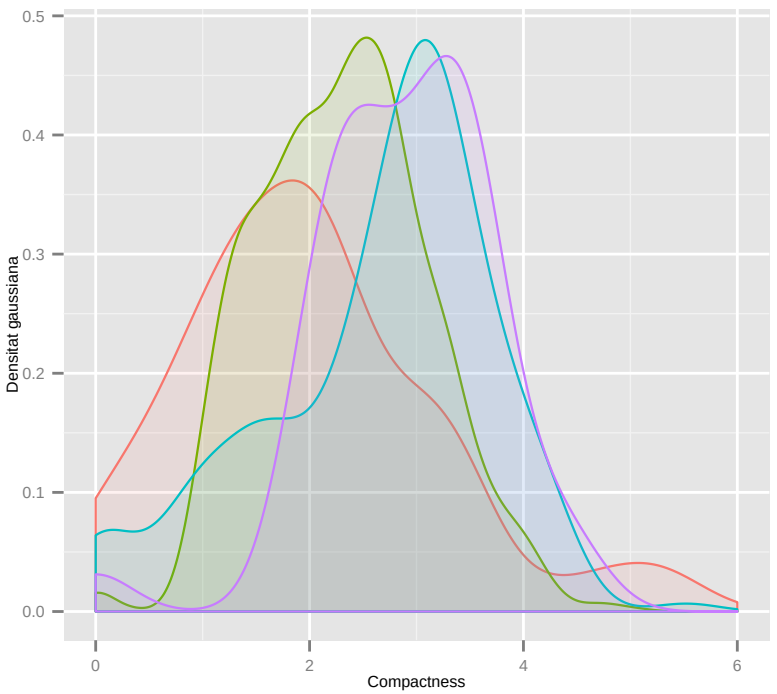


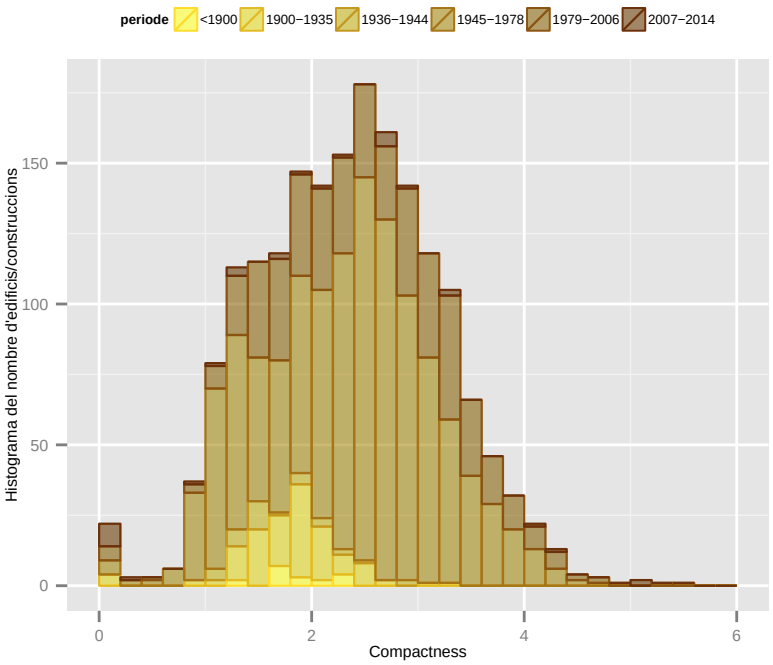


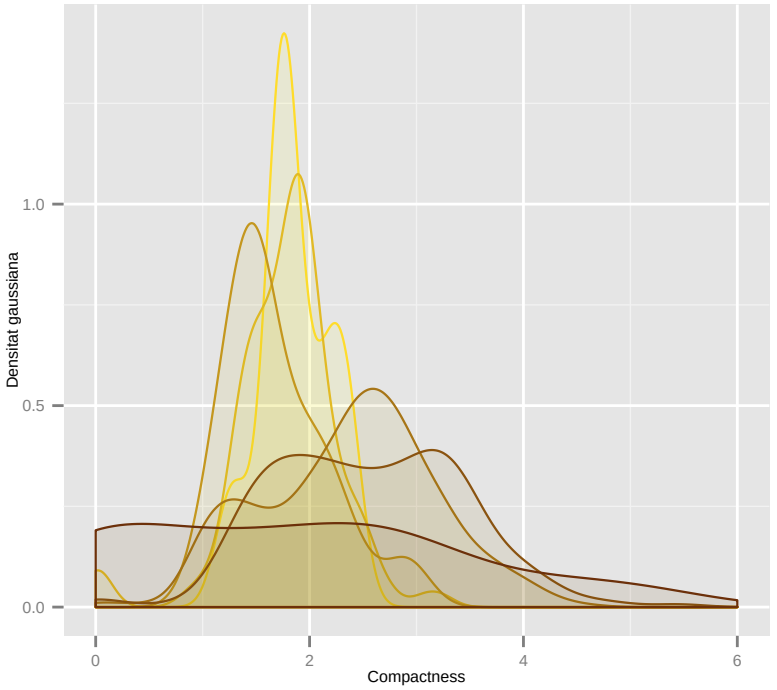
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

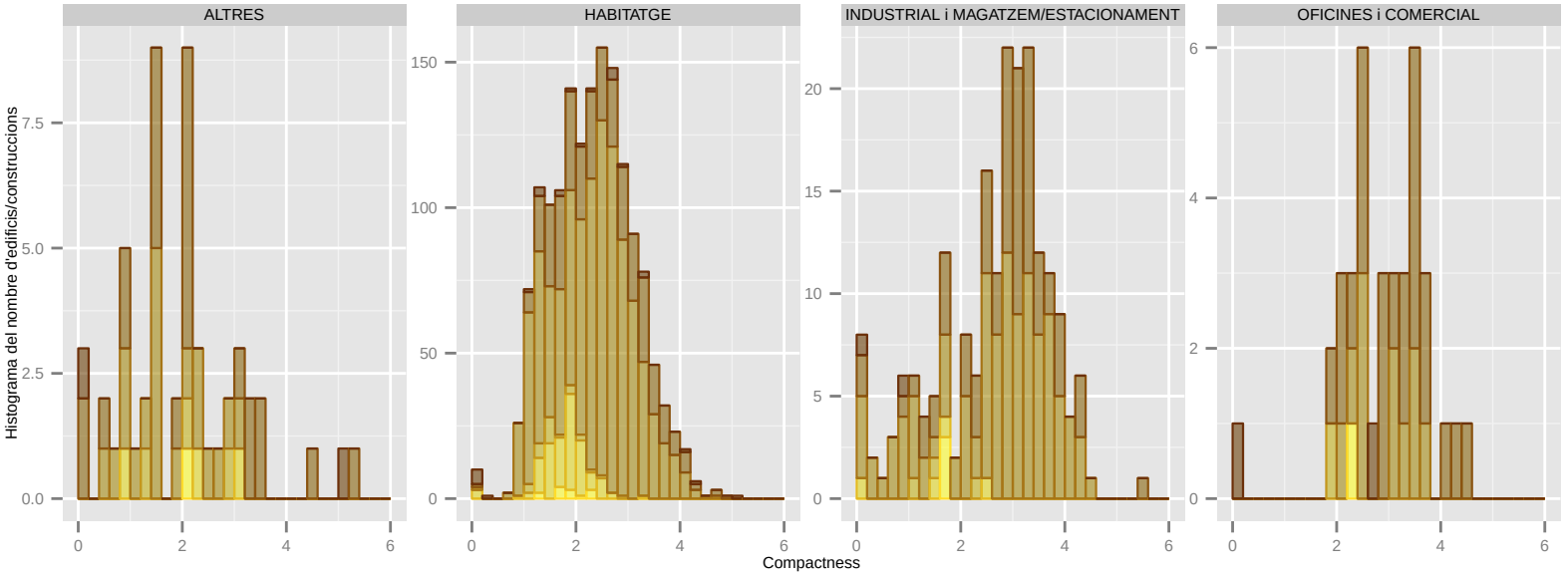
Compactness: SANT JOAN DESPI





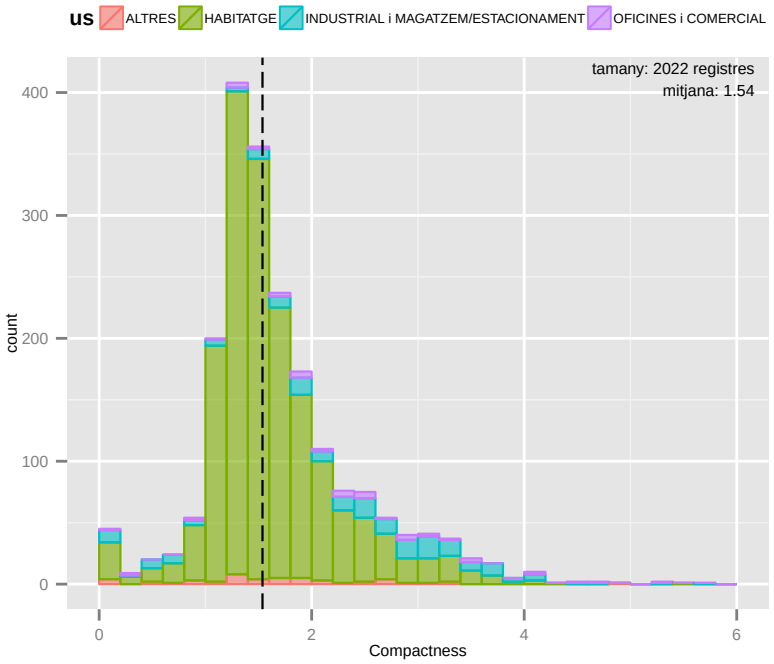


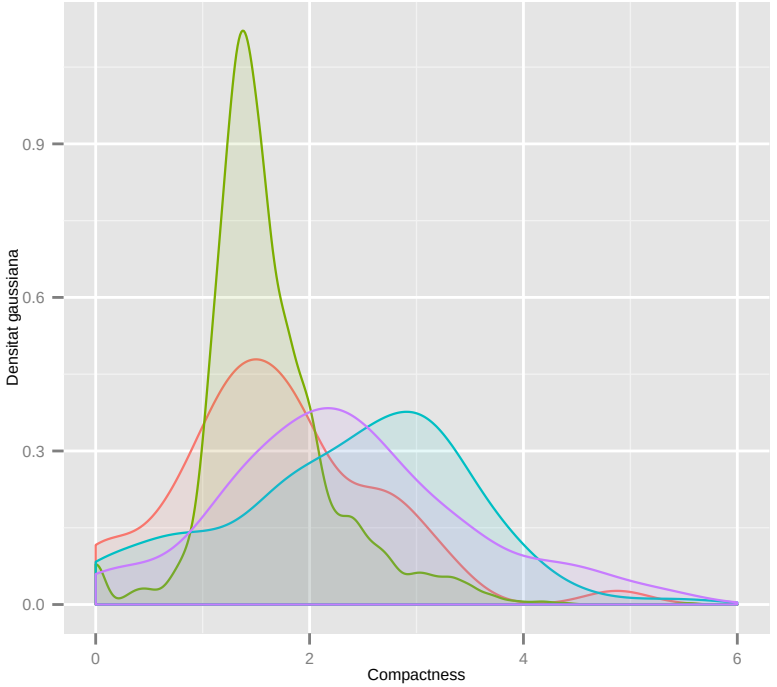


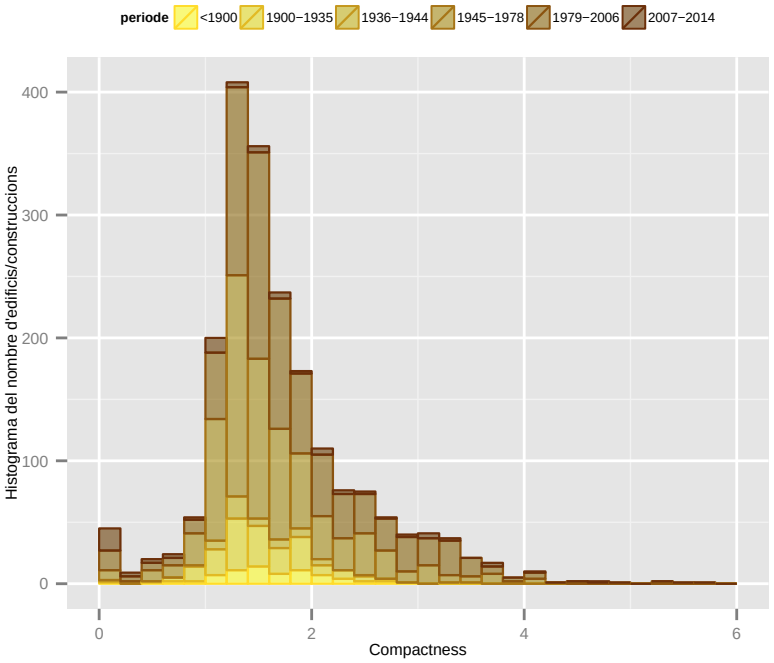


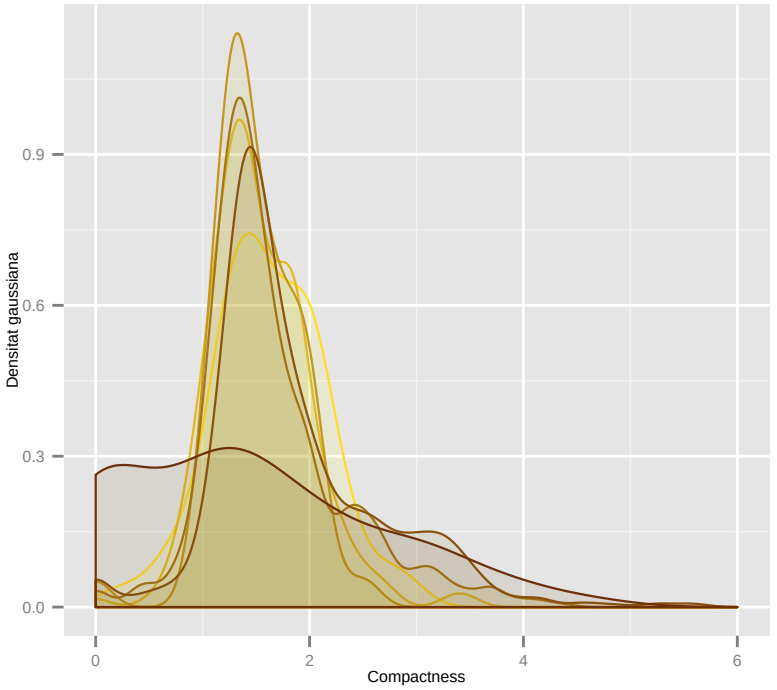
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

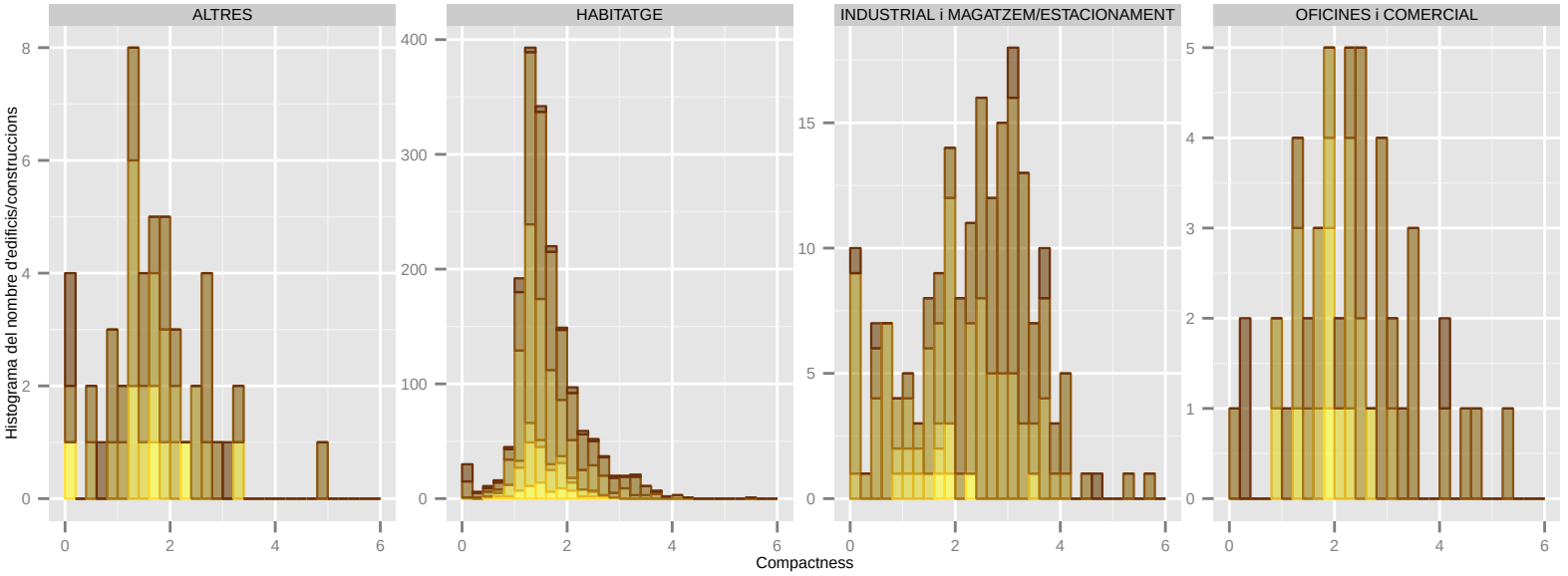
Compactness: SANT JUST DESVERN











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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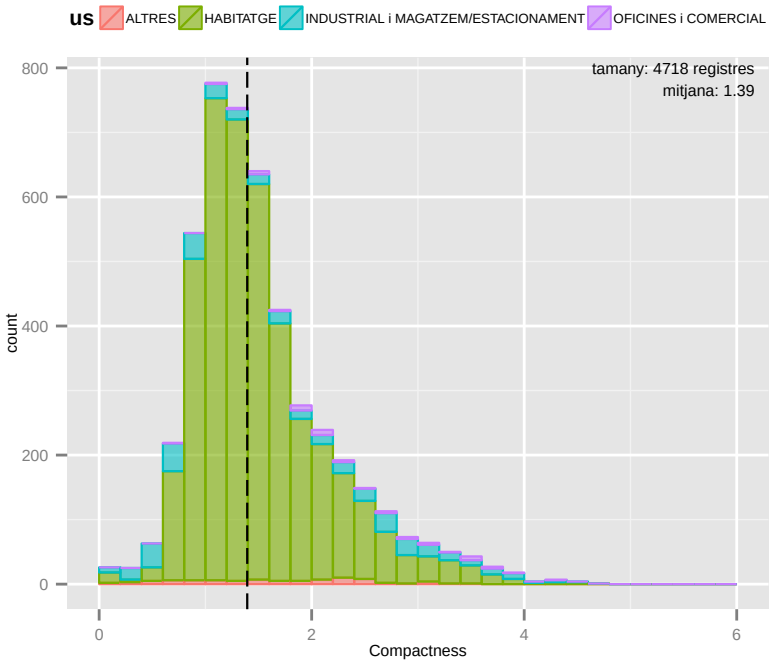

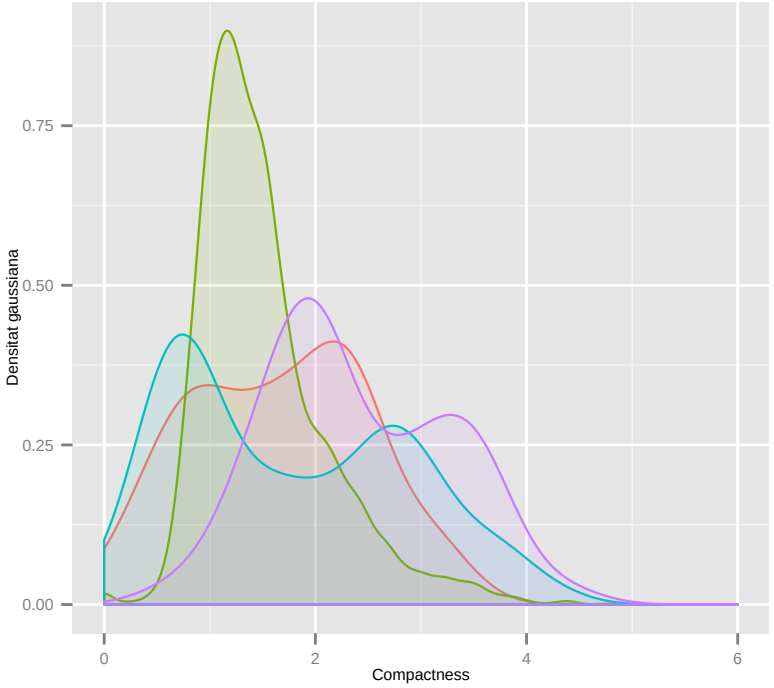

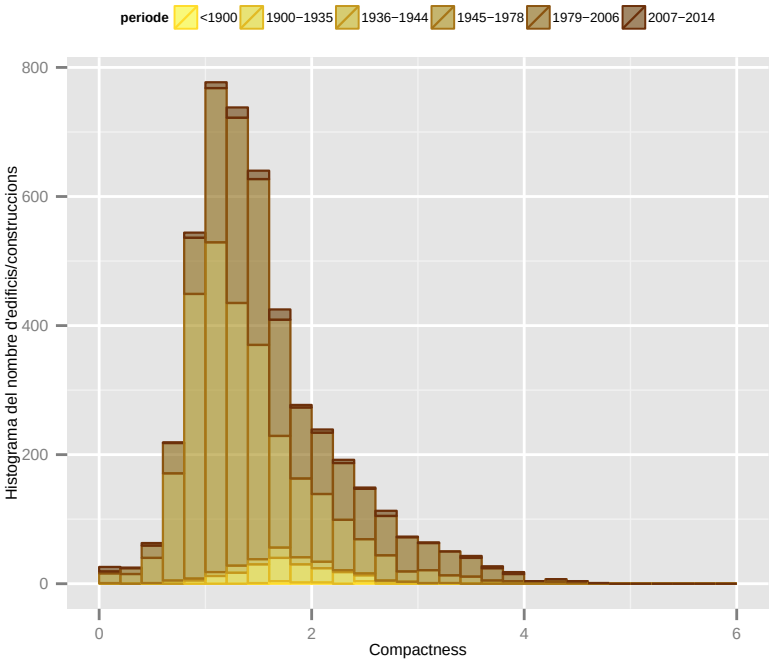

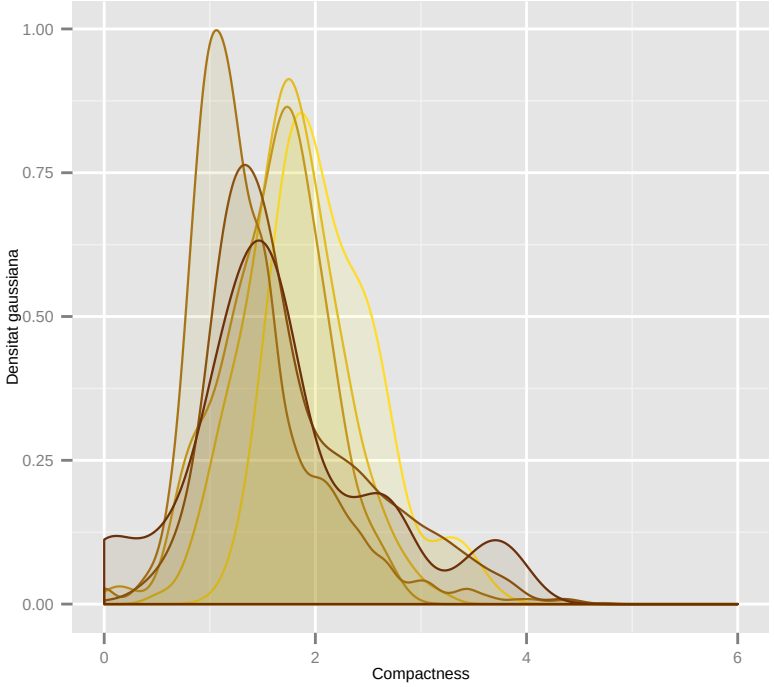

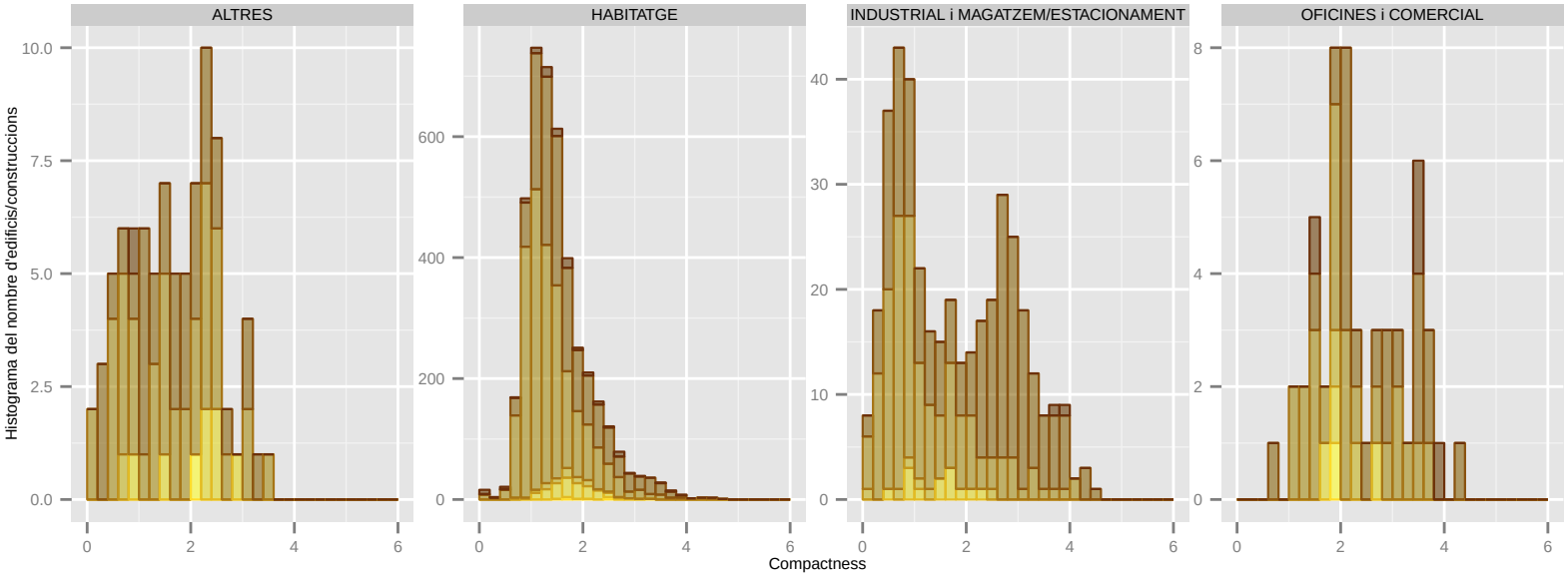

Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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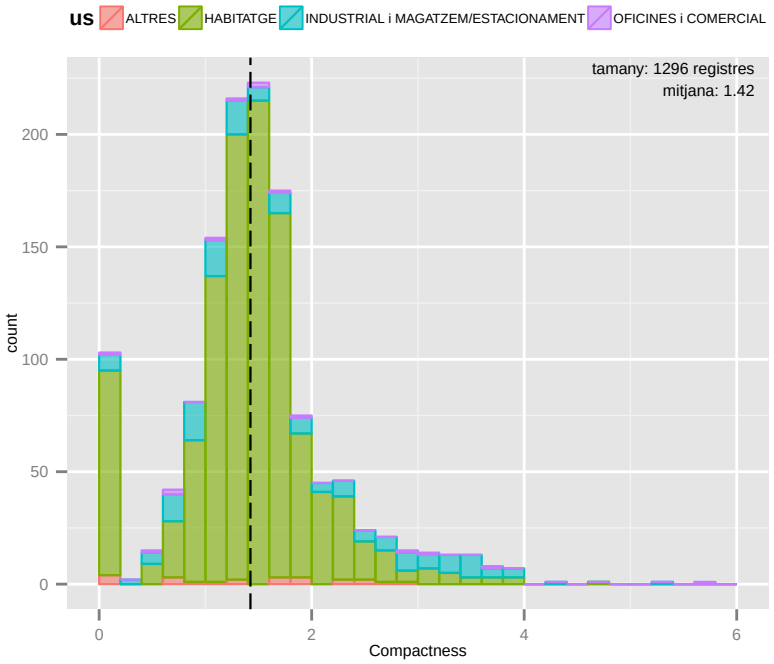
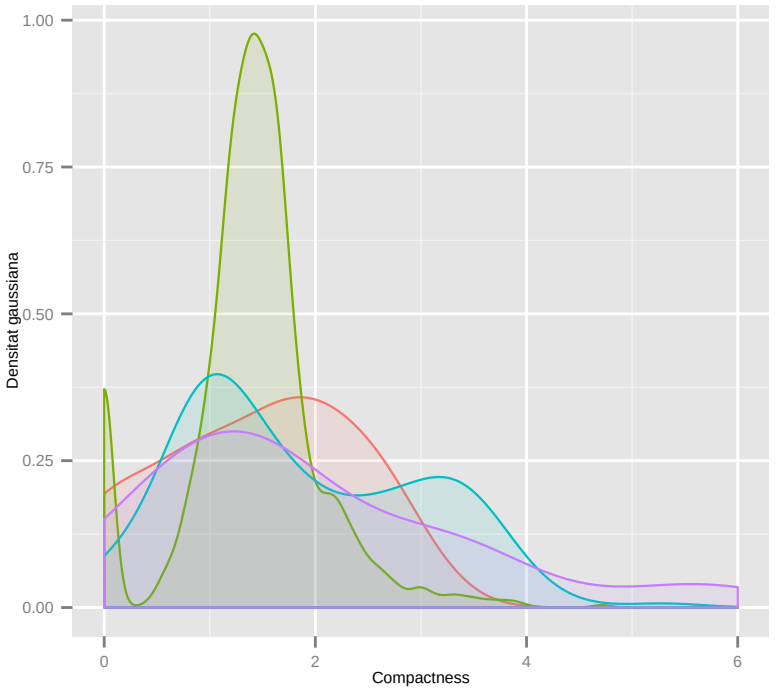
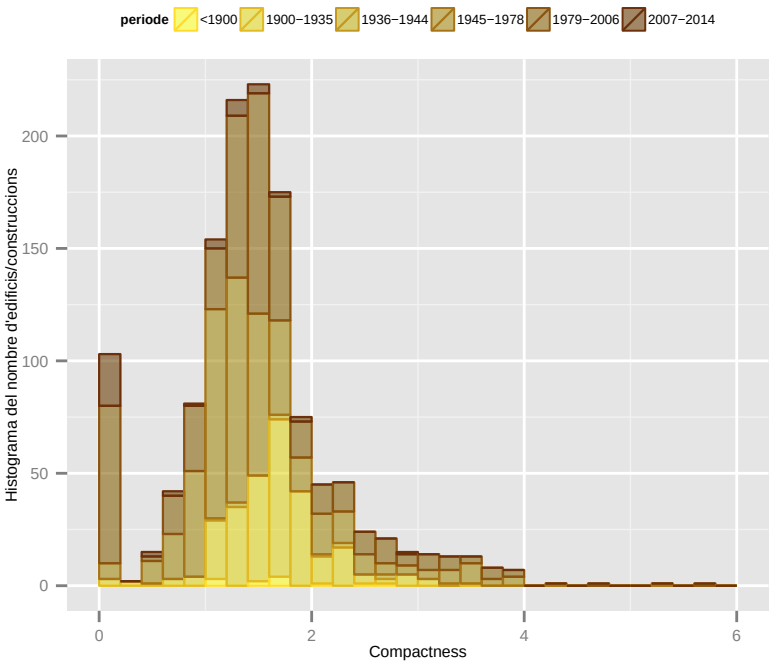
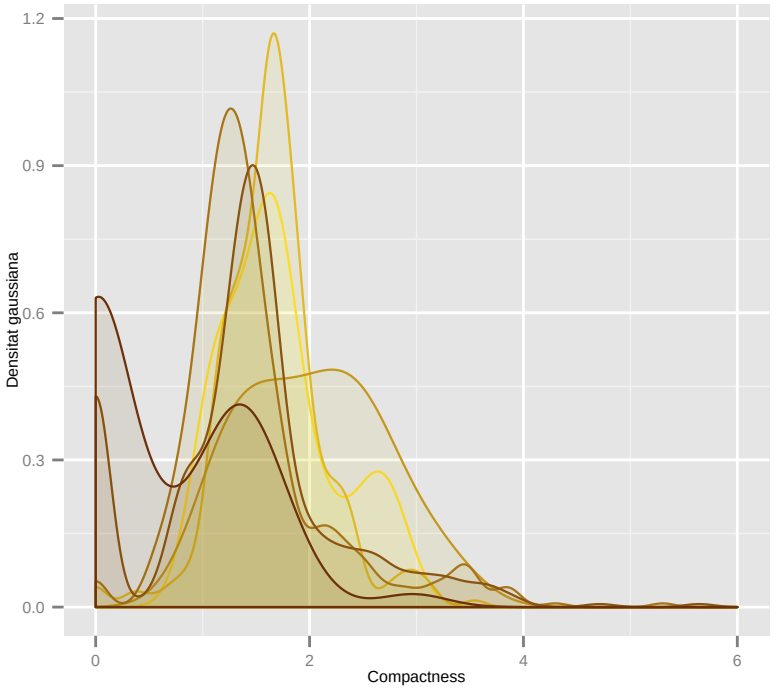
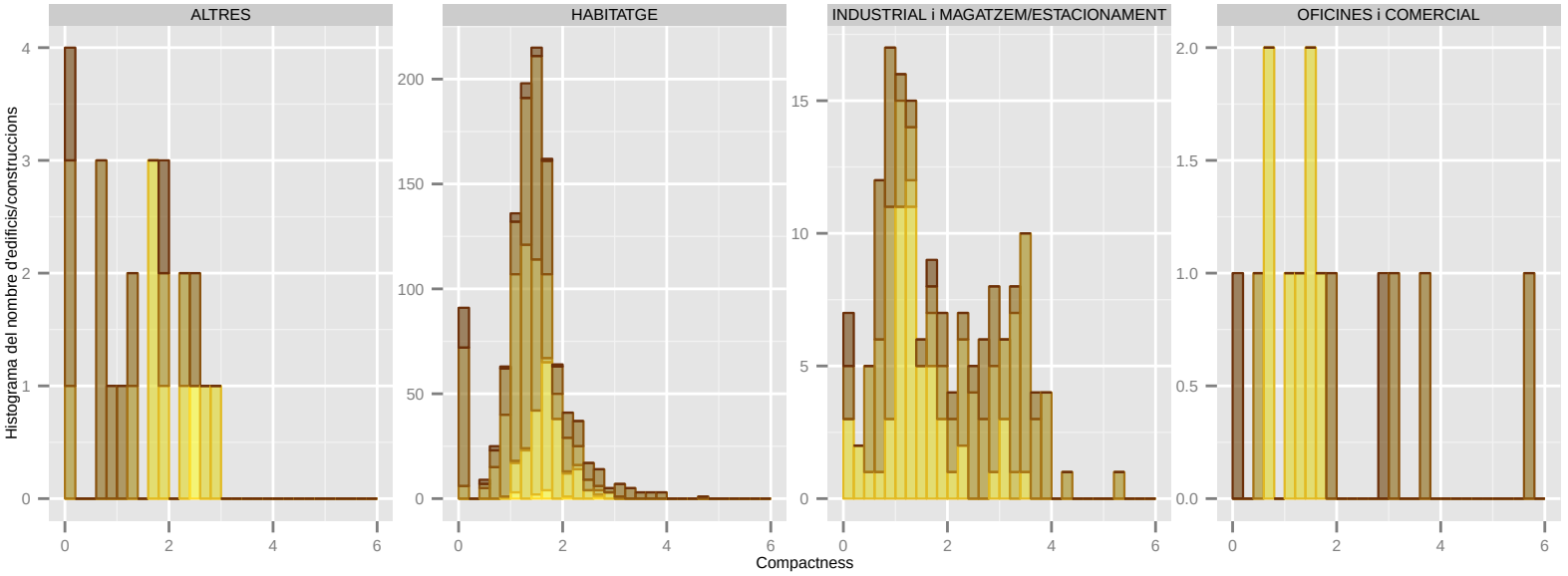




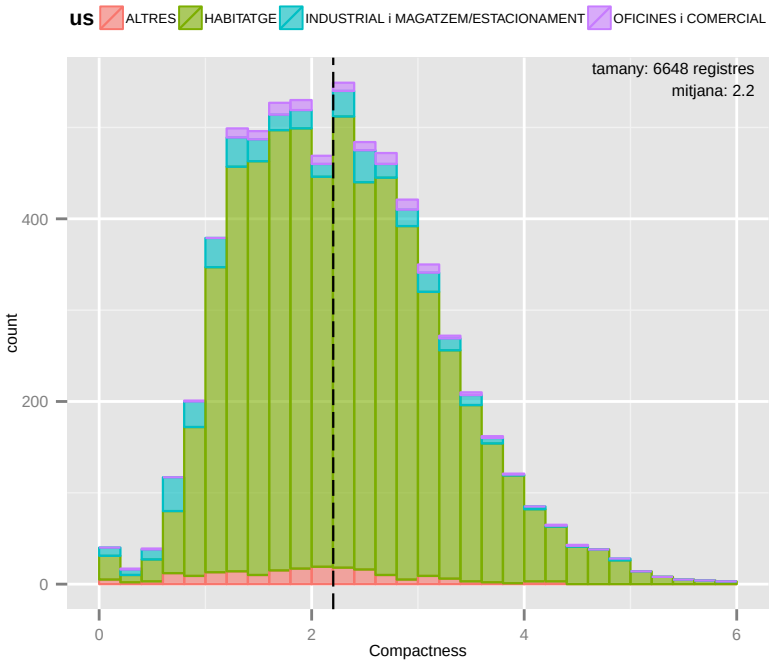


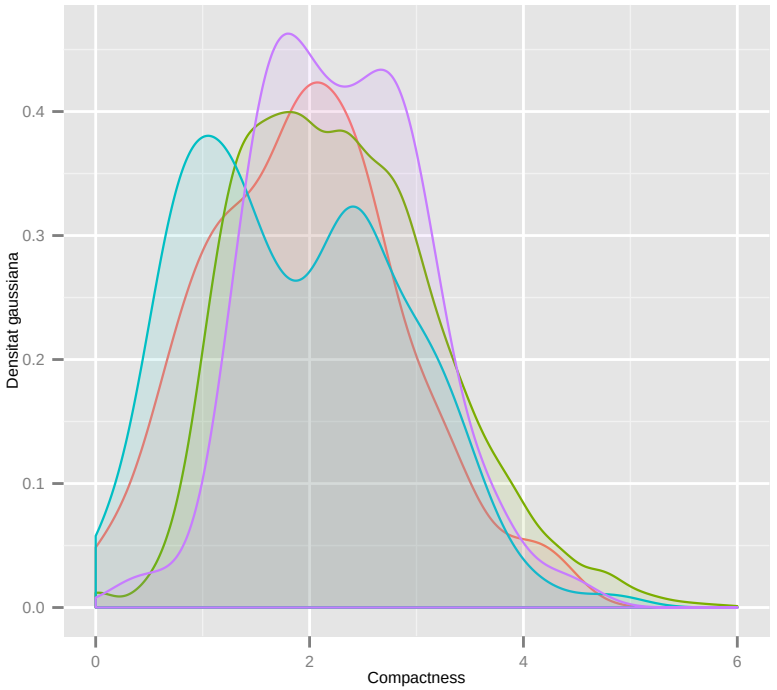


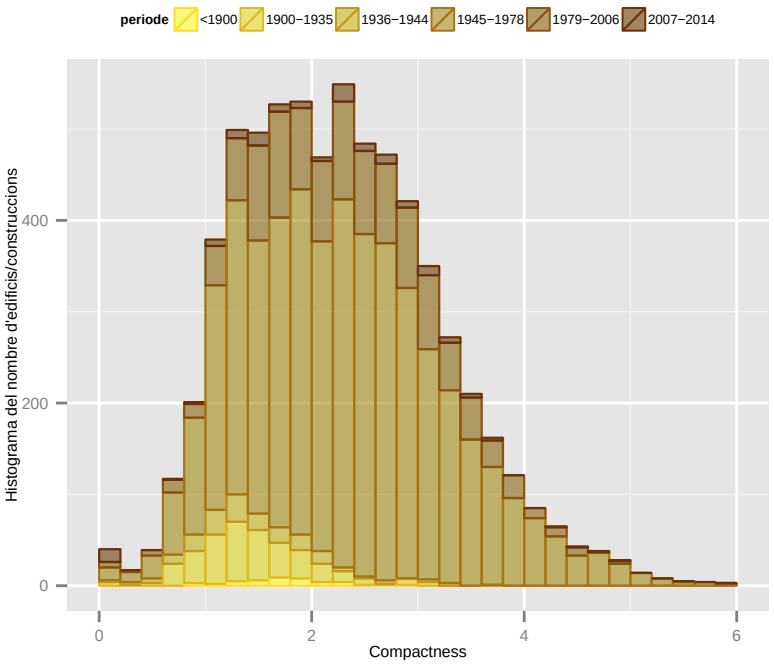


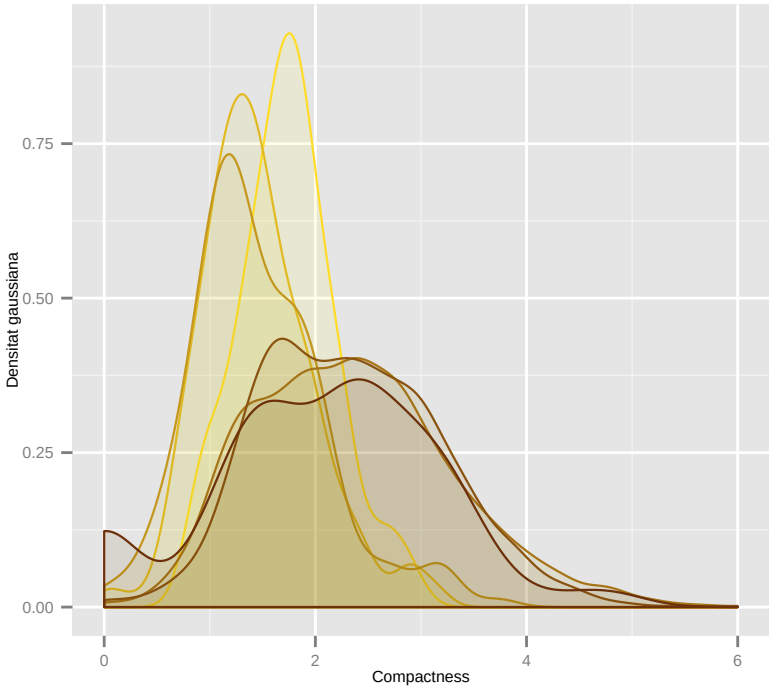
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

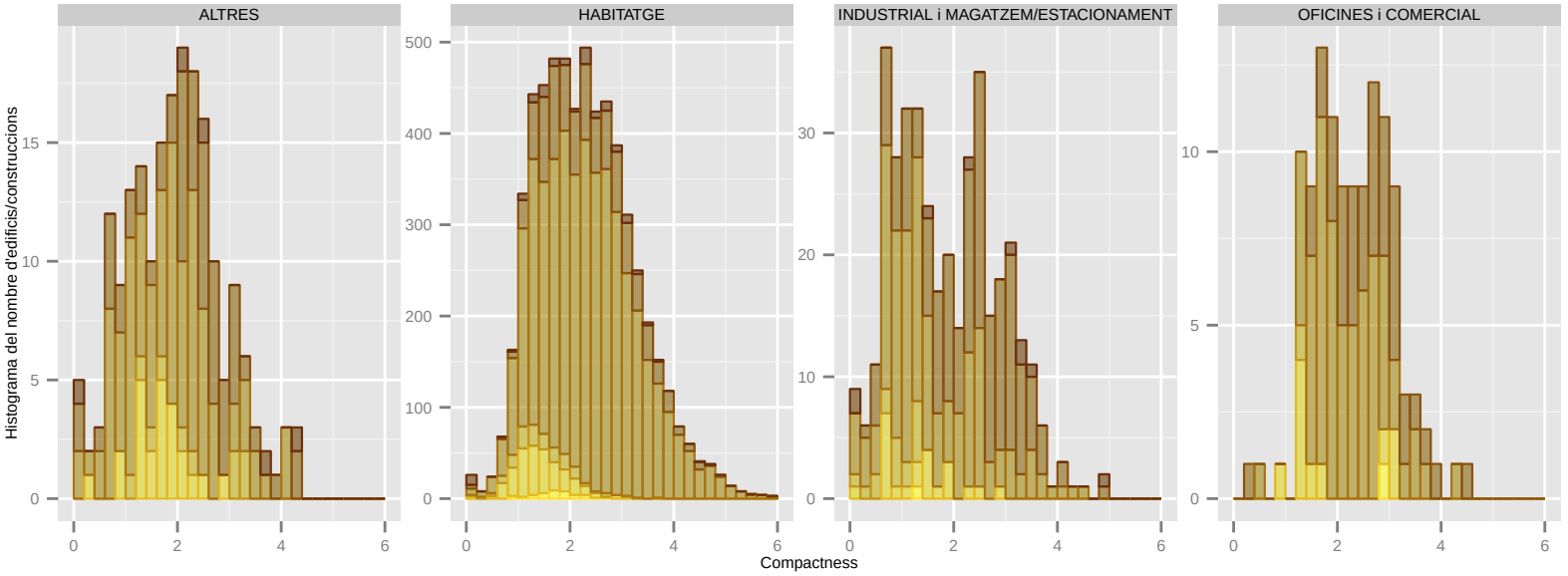
Compactness: SANTA COLOMA DE GRAMENET











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

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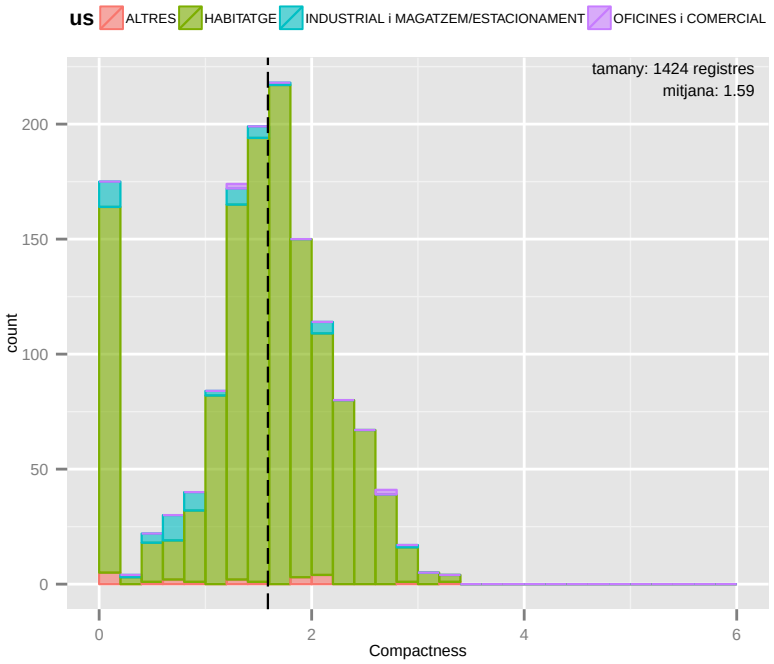
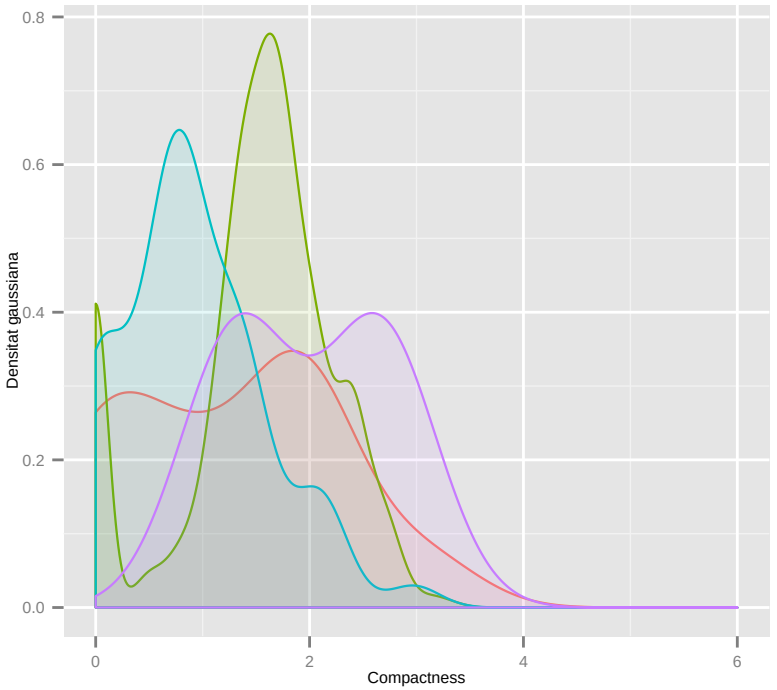
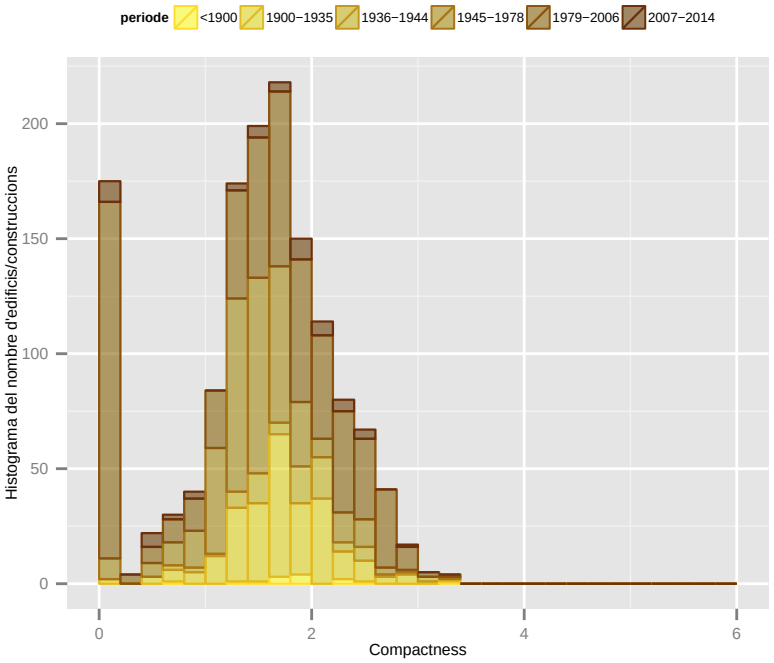
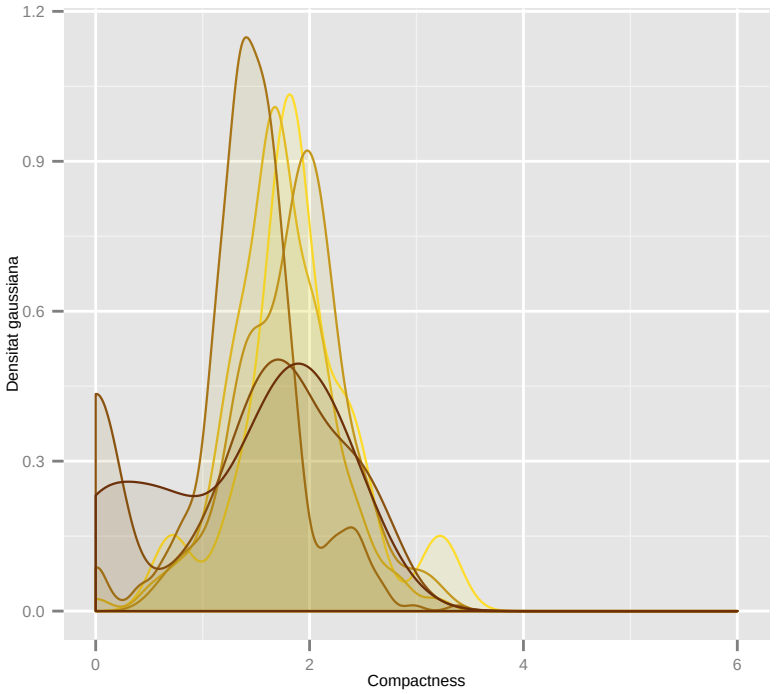
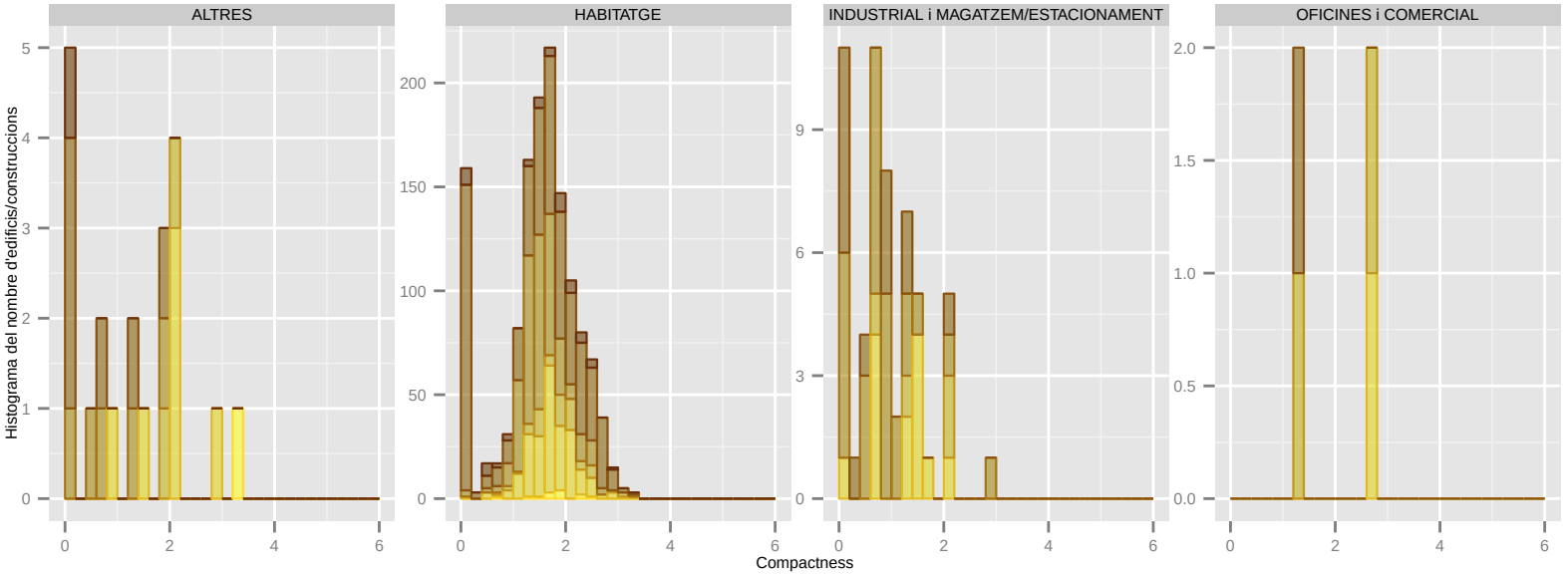




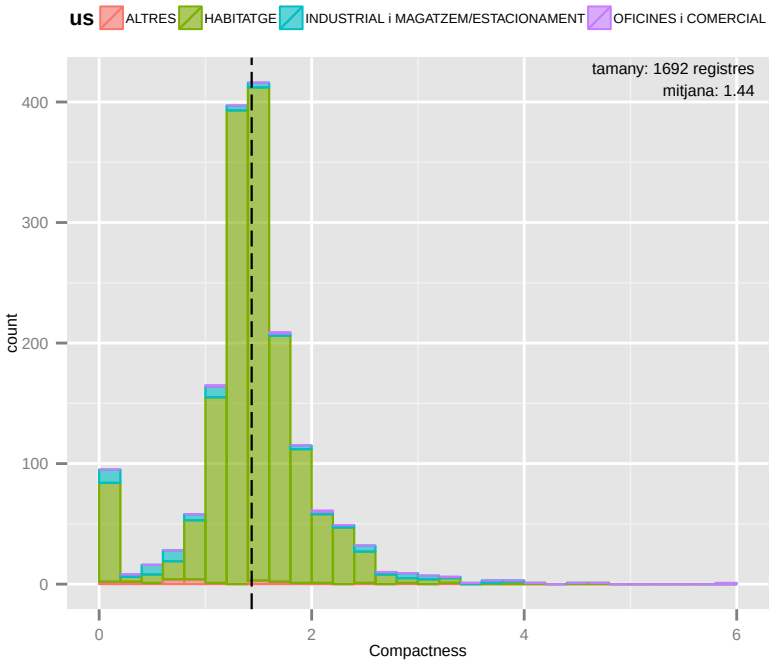


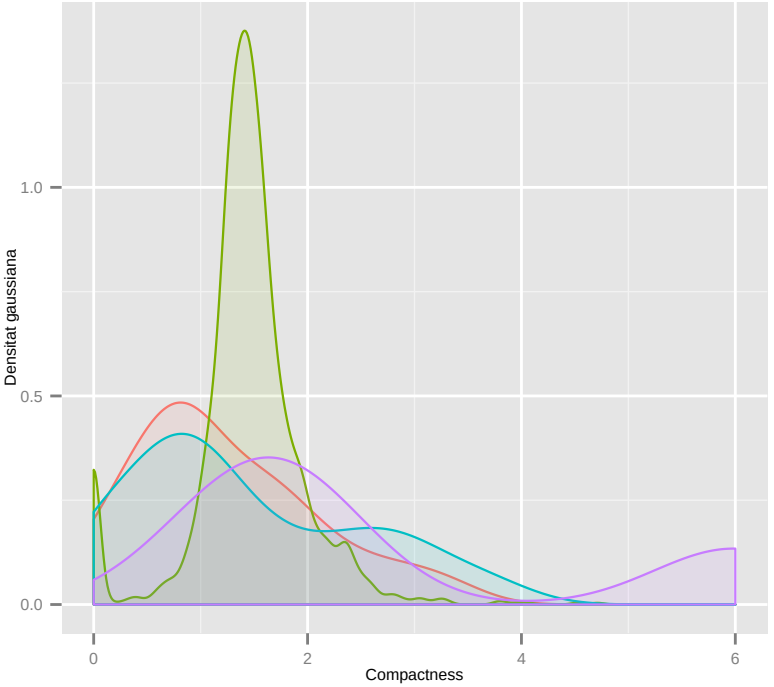


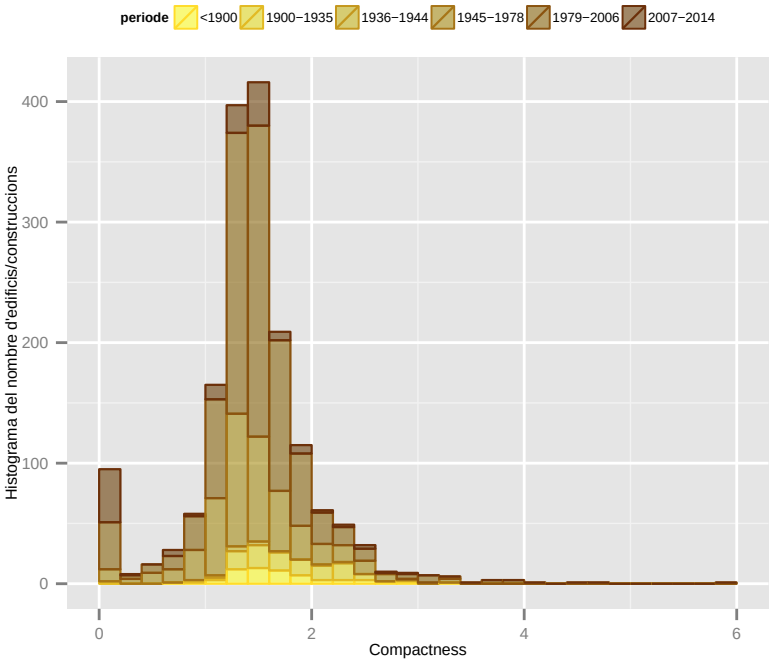


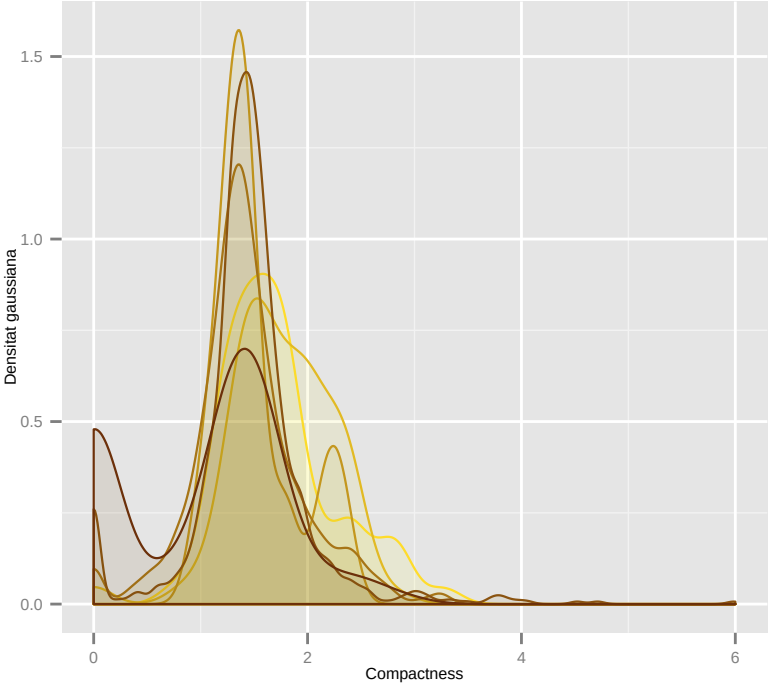
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

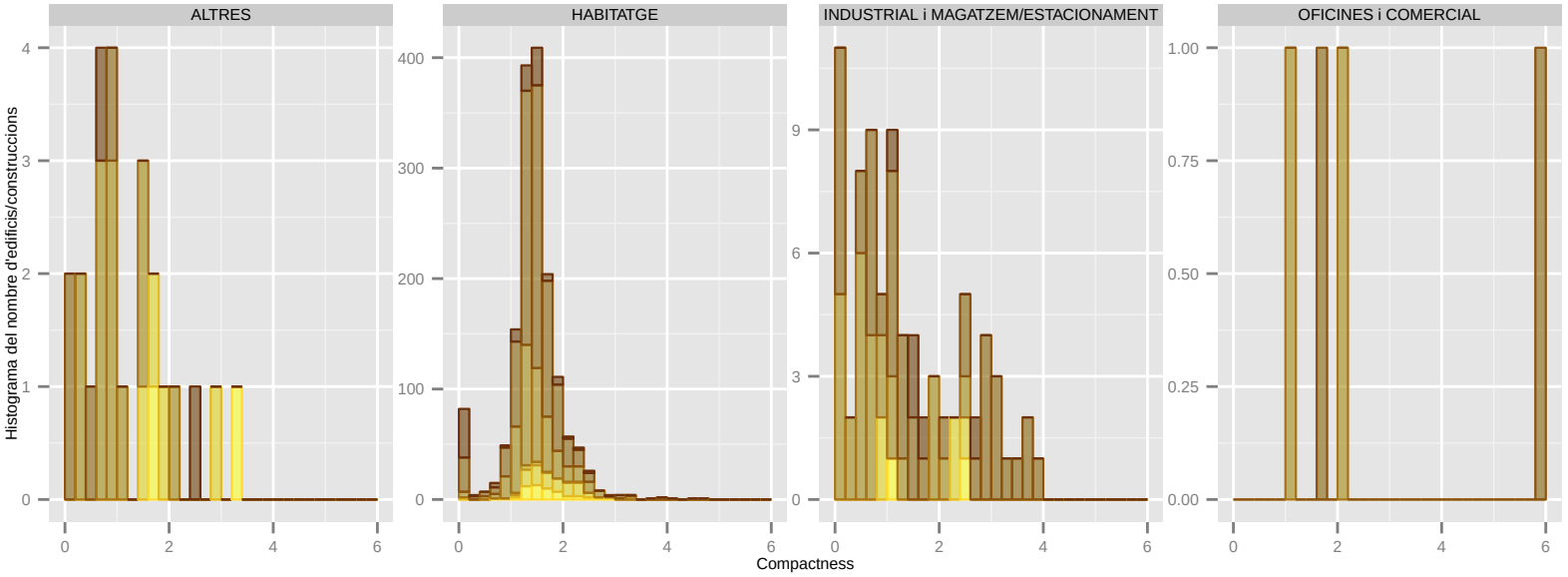
Compactness: TORRELLES DE LLOBREGAT





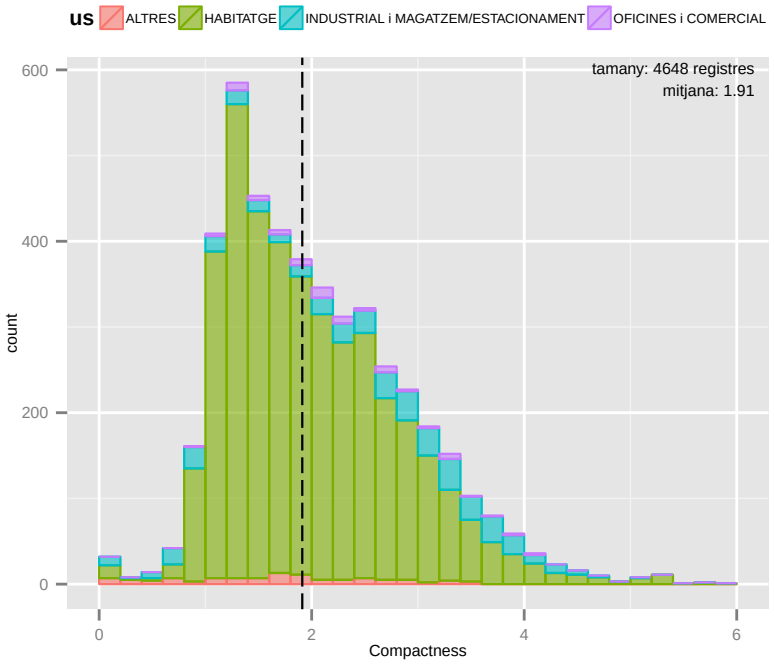


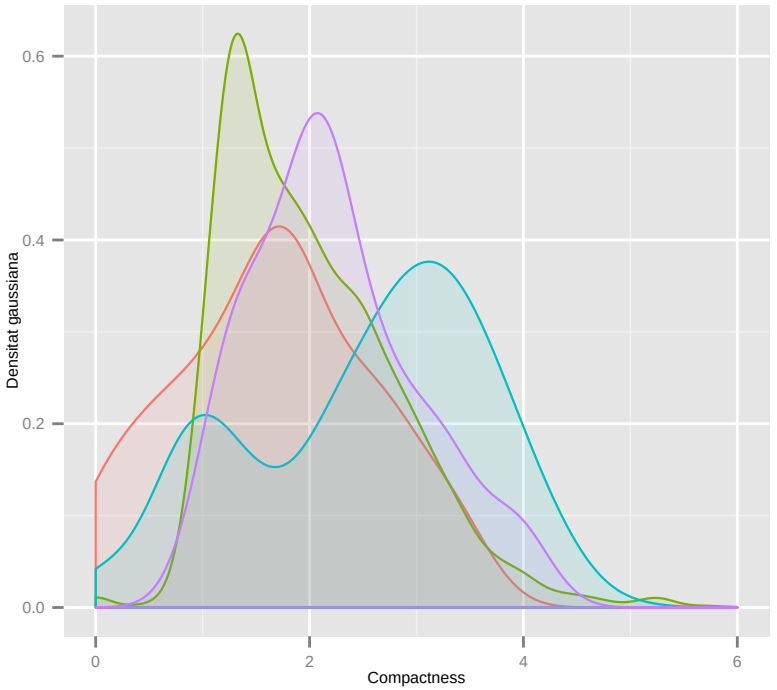


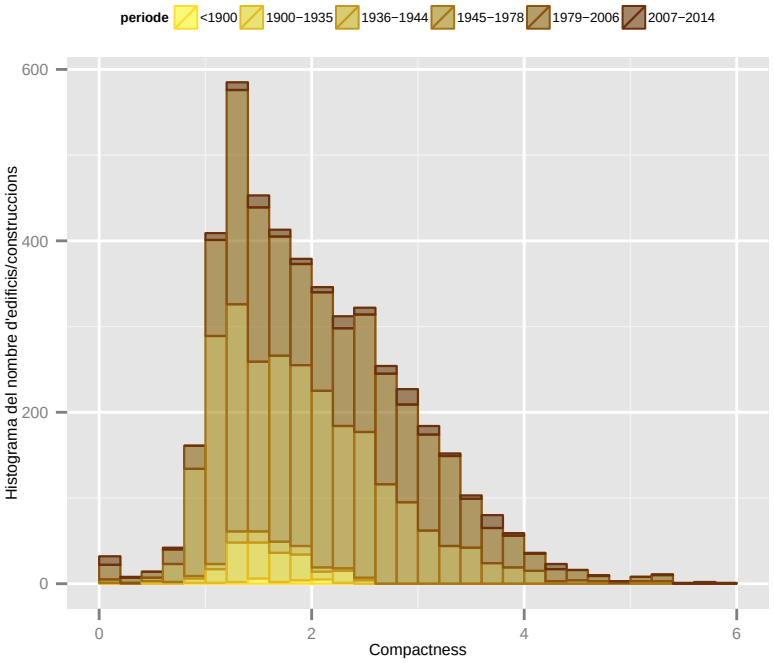


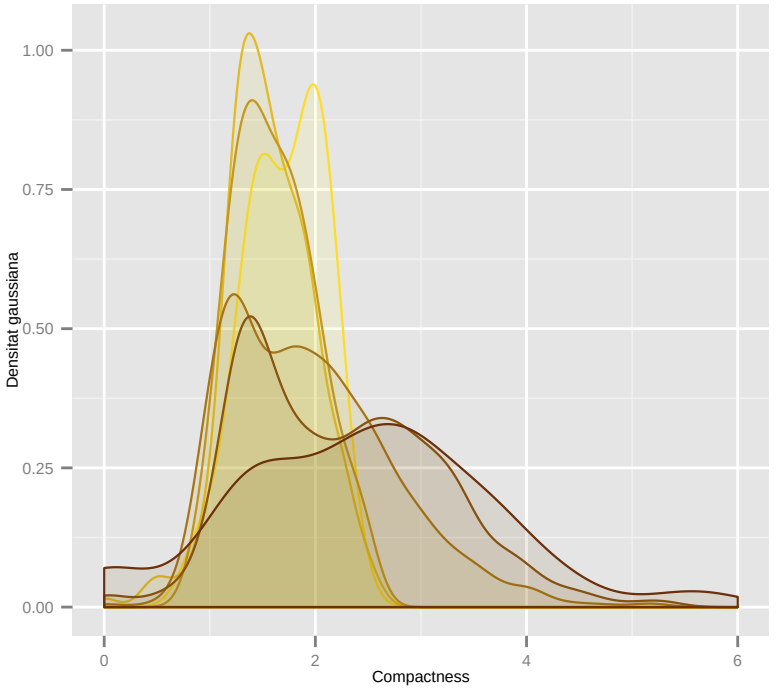
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

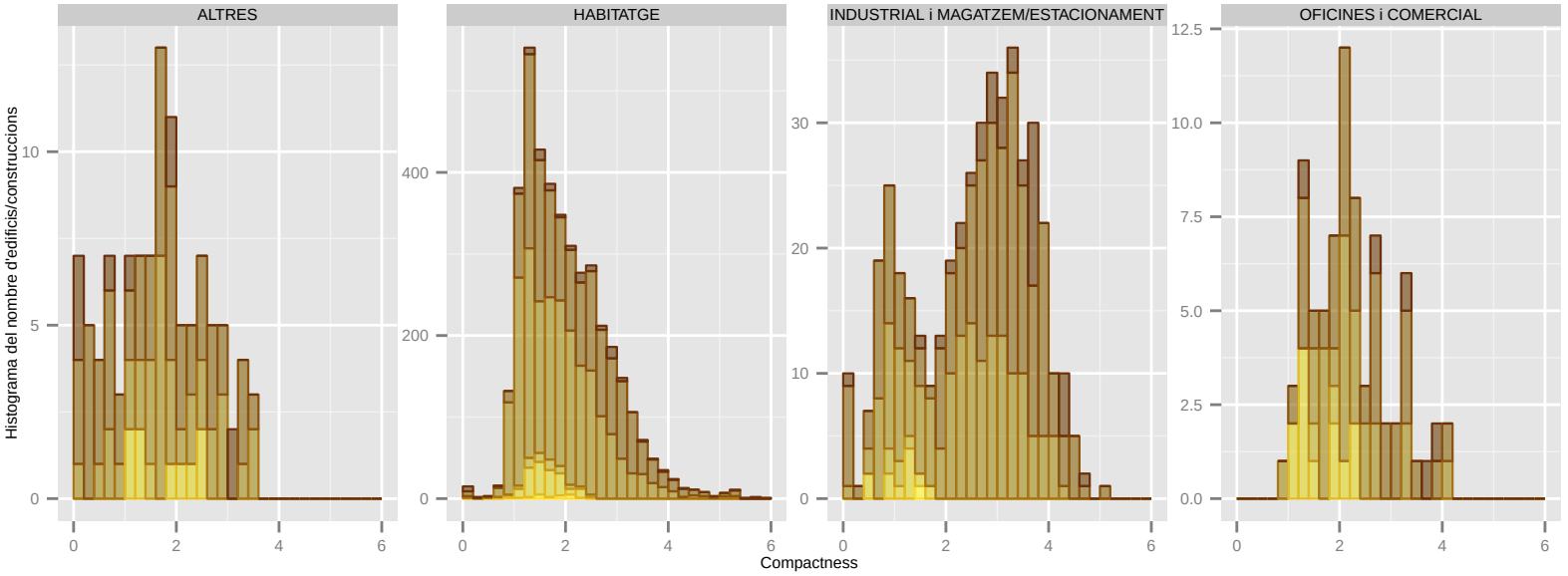
Compactness: VILADECANS









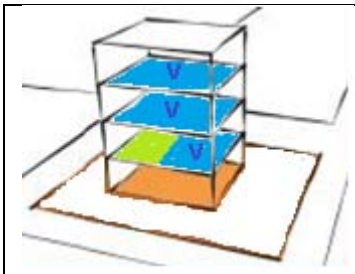


Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

9. RSD [RESIDENTIAL SURFACE DENSITY]

El RSD o densitat de superfície de vivendes és un indicador que mostra la intensitat construïda de superfície de vivendes per unitat ocupada per l'edifici. A major sigui l'indicador major espai de vivendes hi haurà per cada m^2 de planta ocupada per l'edifici, i implícitament major densitat residencial hi haurà.

Taula 6: Fórmula aplicada i exemples gràfics

	**RESIDENTIAL SURFACE DENSITY** $RSD = \frac{superfície\ de\ vivendes\ [m^2]}{superfície\ en\ planta\ [m^2]}$

FONT: Barcelona Regional

El municipi amb valor més alt és el de Badia del Vallès amb un nivell extrem de 7,26; li segueixen Barcelona (2,84) i l'Hospitalet de Llobregat (2,4). Per la banda contrària els municipis de Castellbisbal i Cervelló tenen RSD de 0,94 i 1 respectivament.

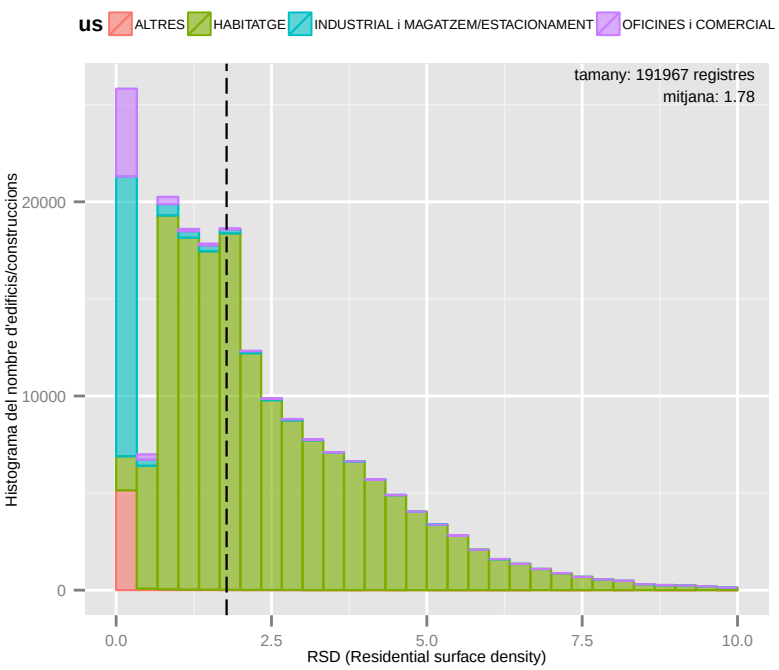
Incidència en el consum d'energia:

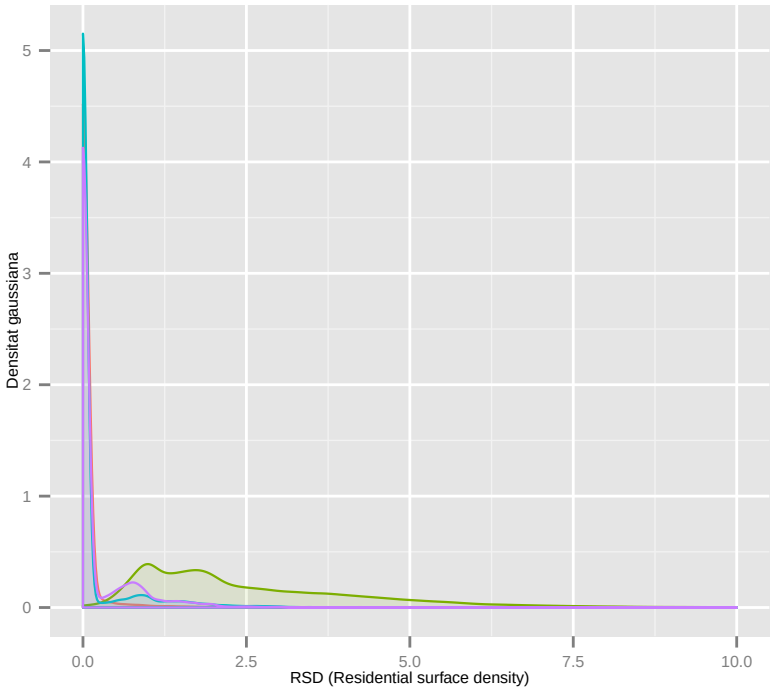
Aquest indicador no permet identificar directament una major o menor eficiència energètica de l'edifici, només mostra la intensitat o ús amb que s'ha utilitzat el sol per usos de vivendes

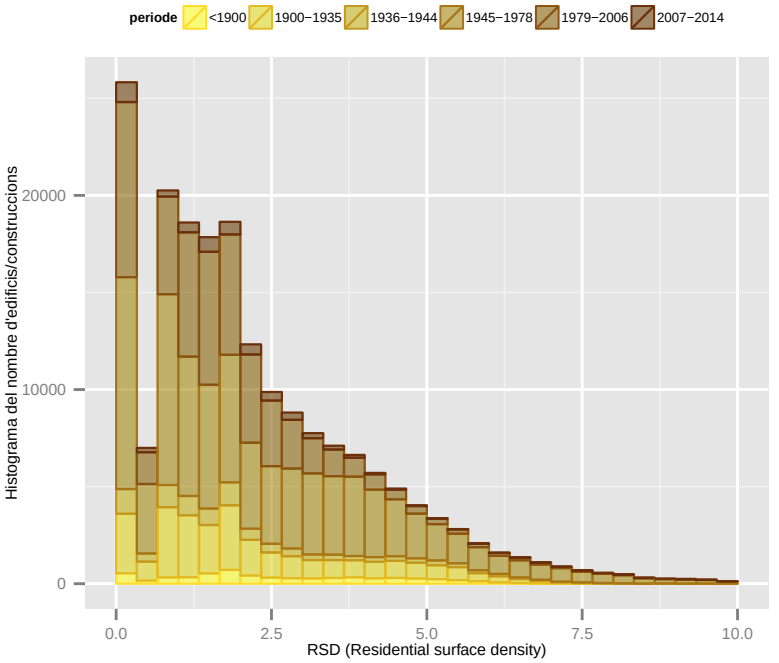
Tot i això si que és un indicador que mostra una major o menor compacitat del teixit urbà, considerant que a major compacitat residencial hi ha menys consum energètic per desplaçaments en vehicle i altres fluxos metabòlics. Així, per norma general, es podria afirmar que en aquells teixits on l'indicador tingui un valor alt el consum unitari per transport de serveis (transport públic, recollida de brossa, etc...) o de consum d'il·luminació pública, serà menor en valor unitari.

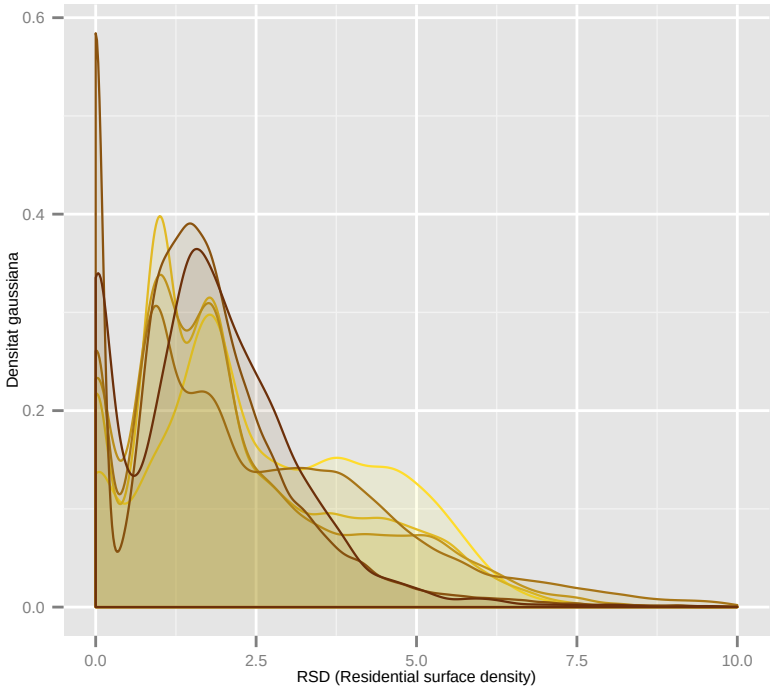
Per altra banda, i només aplicable en teixits urbans amb mixtura d'usos, un RSD alt implicarà menor consum unitari en el transport públic i privat de persones.

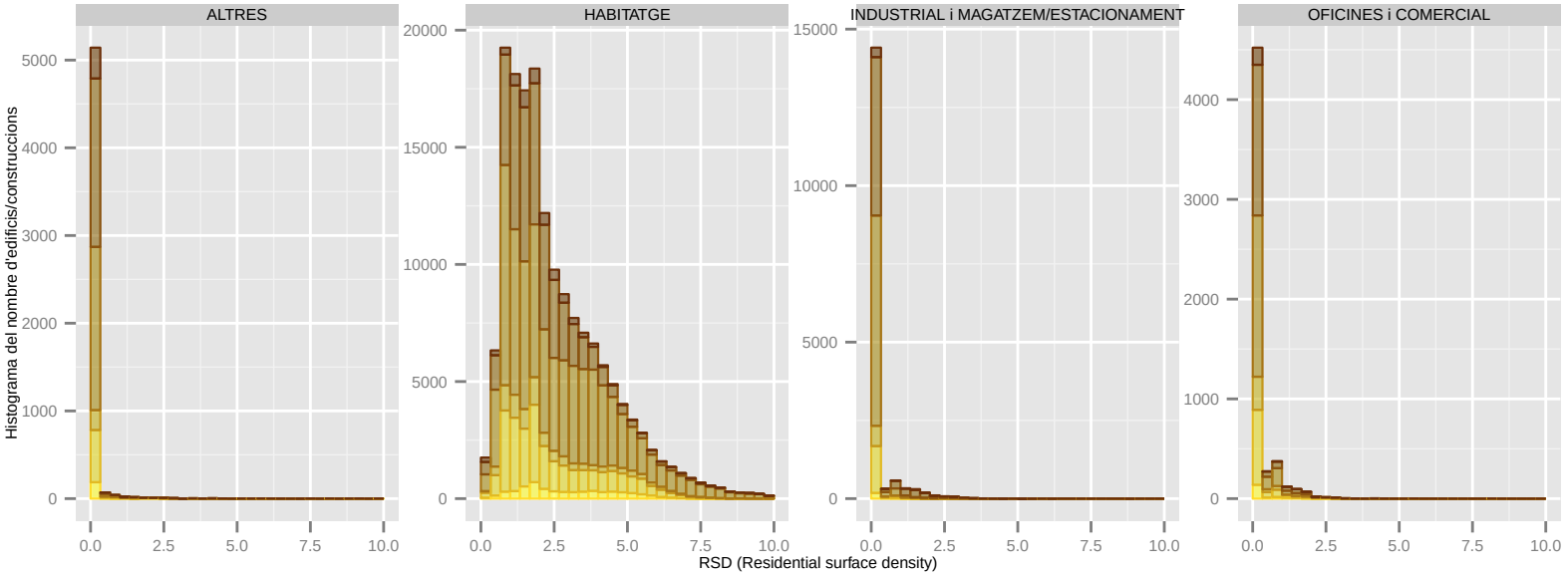
RSD (Residential surface density): AMB





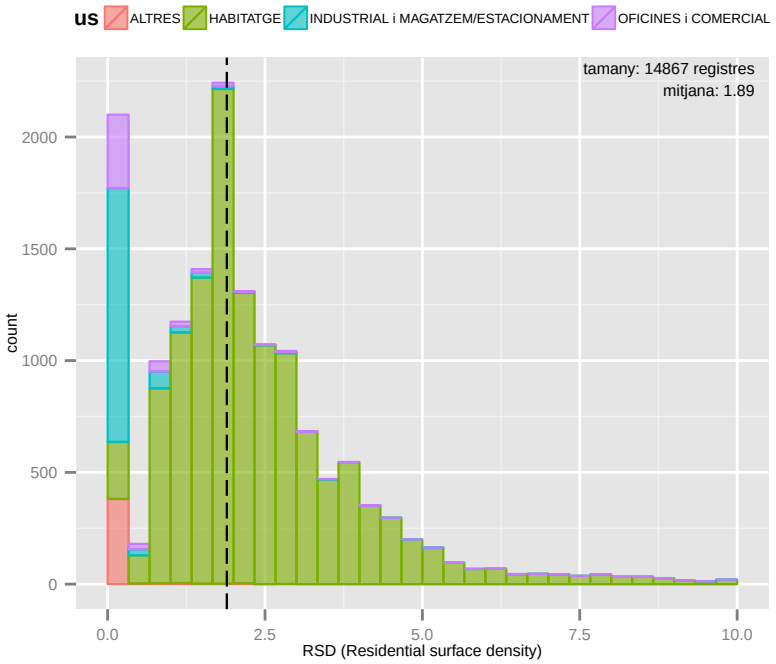


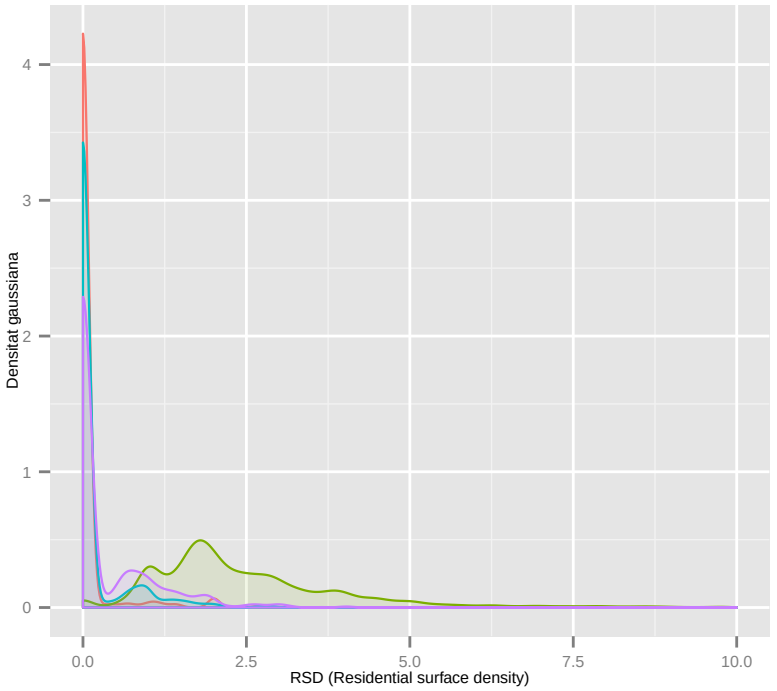


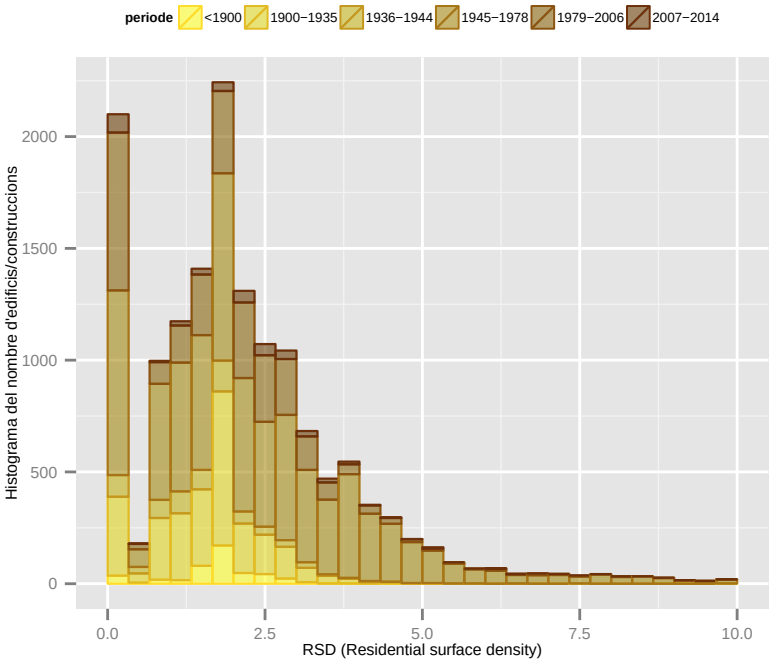


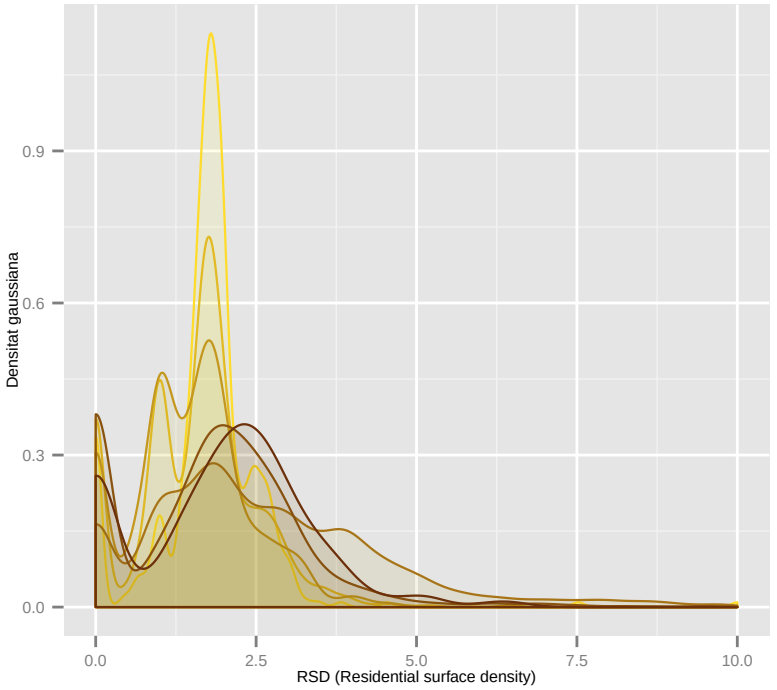
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

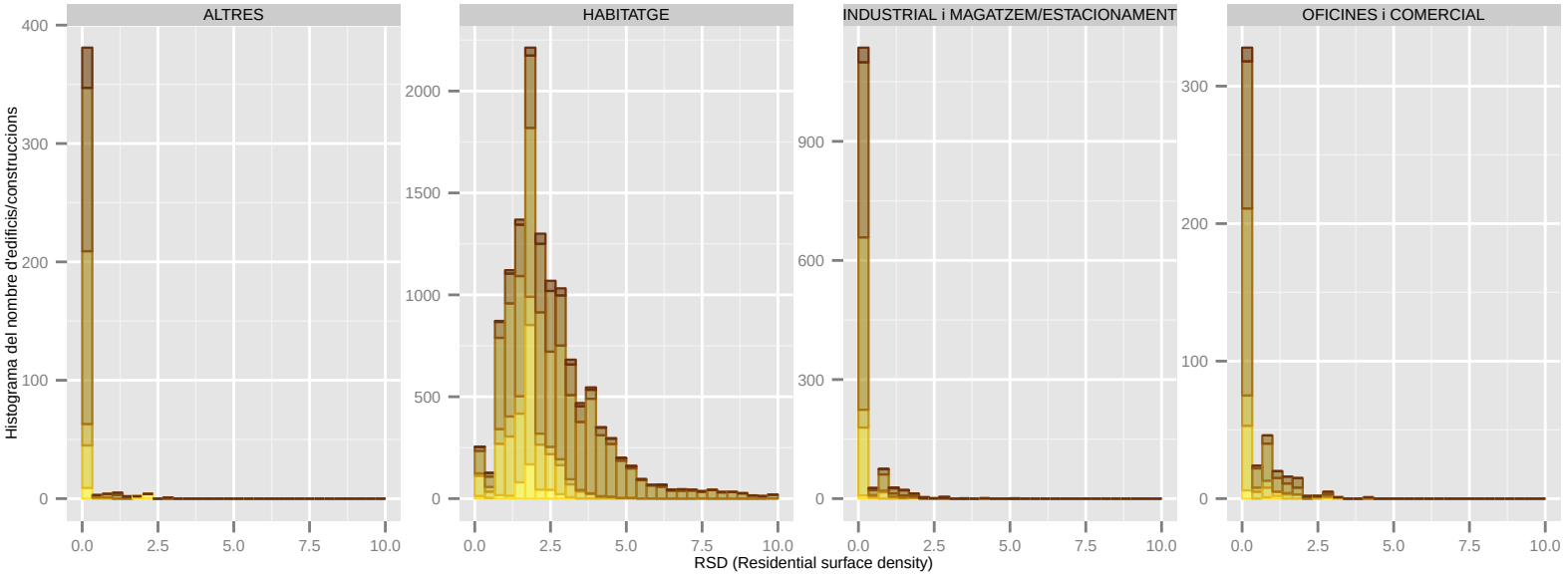
RSD (Residential surface density): BADALONA





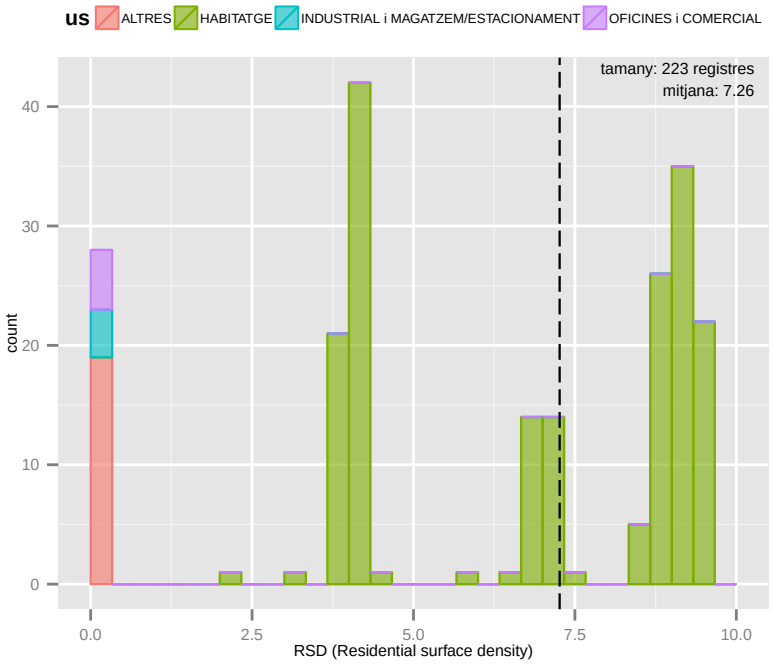


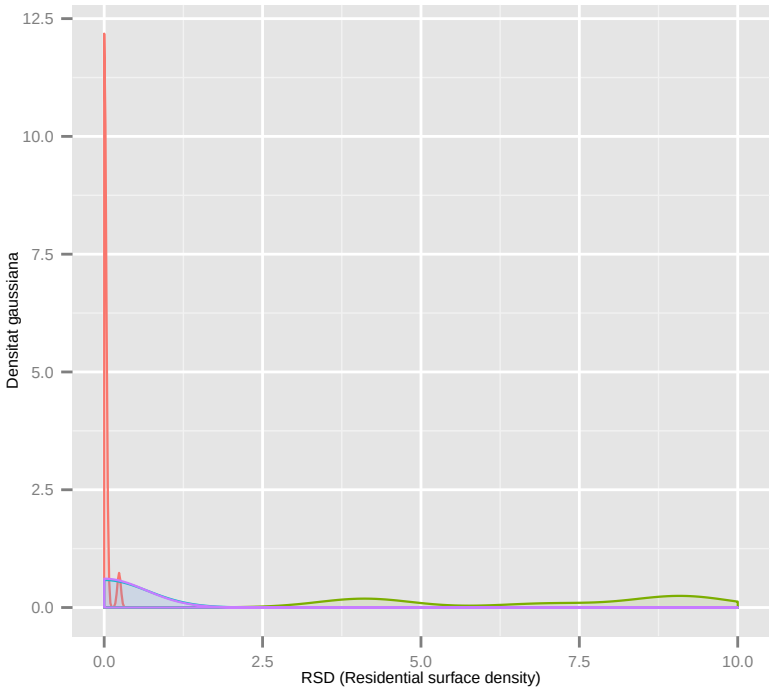


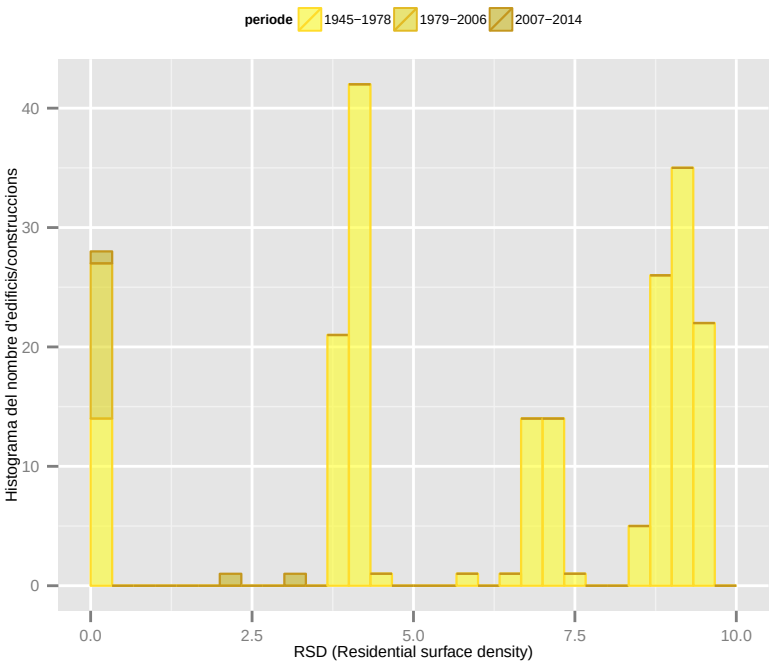


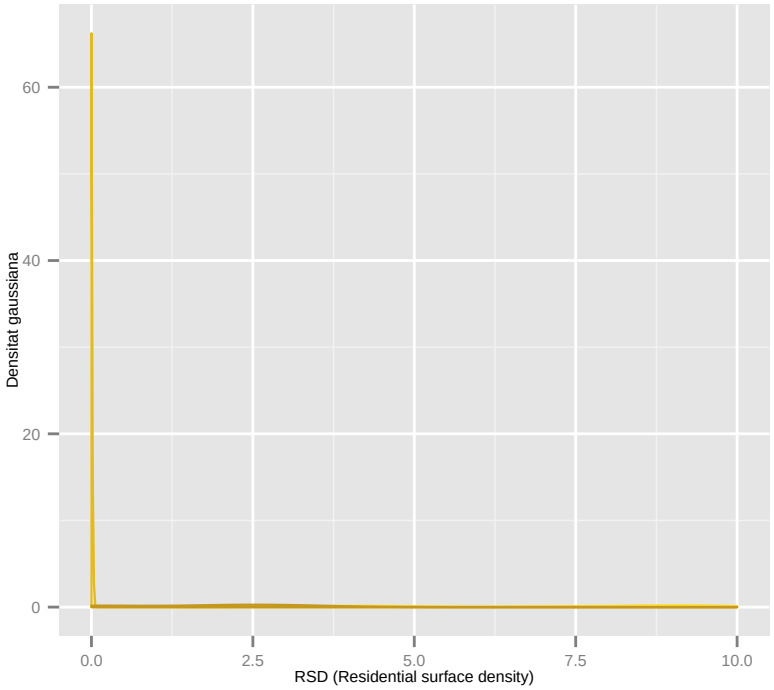
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

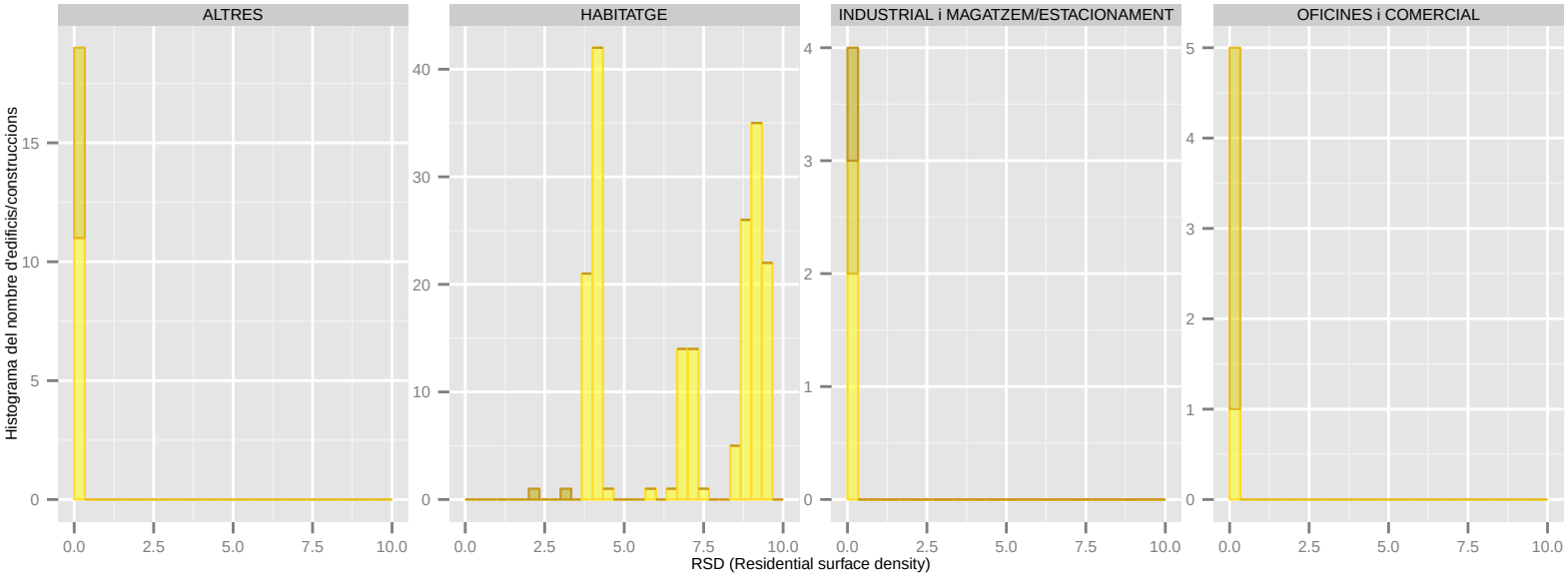
RSD (Residential surface density): BADIA DEL VALLES





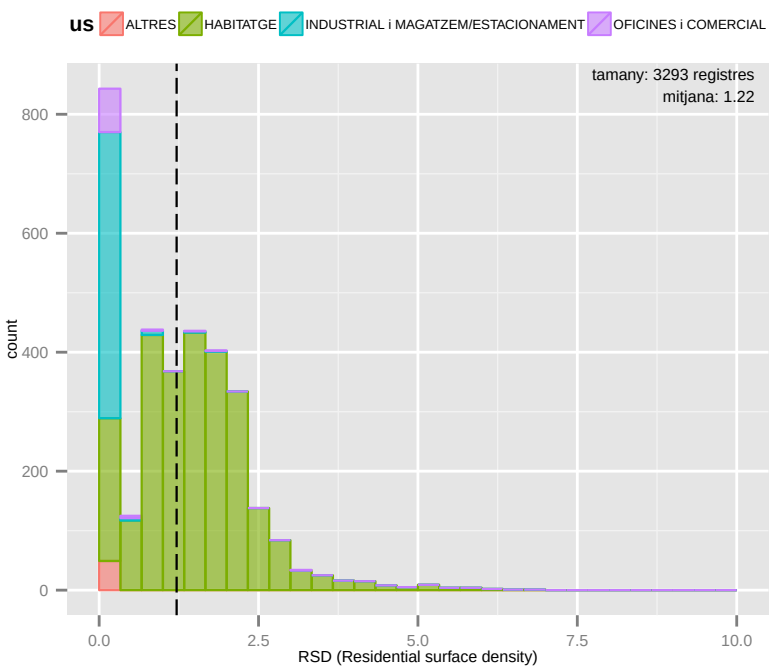


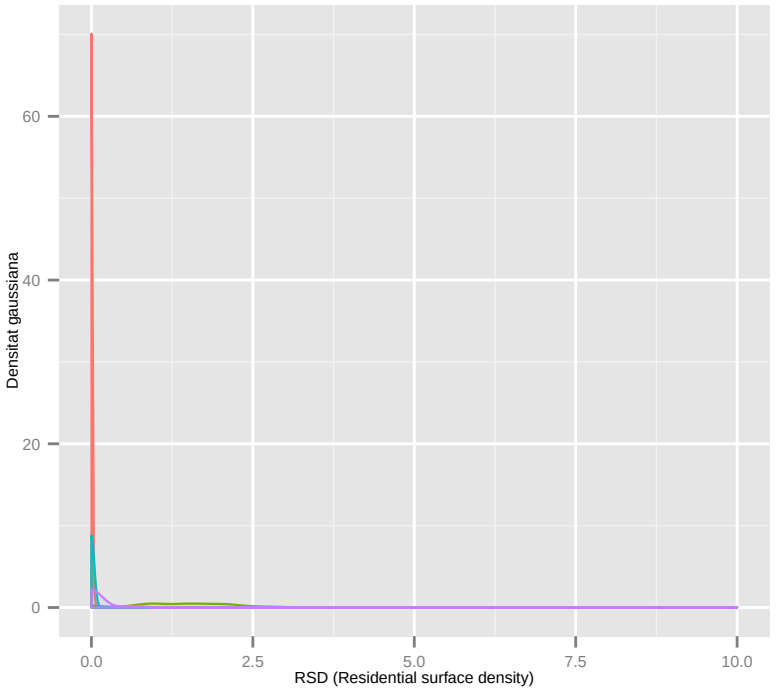


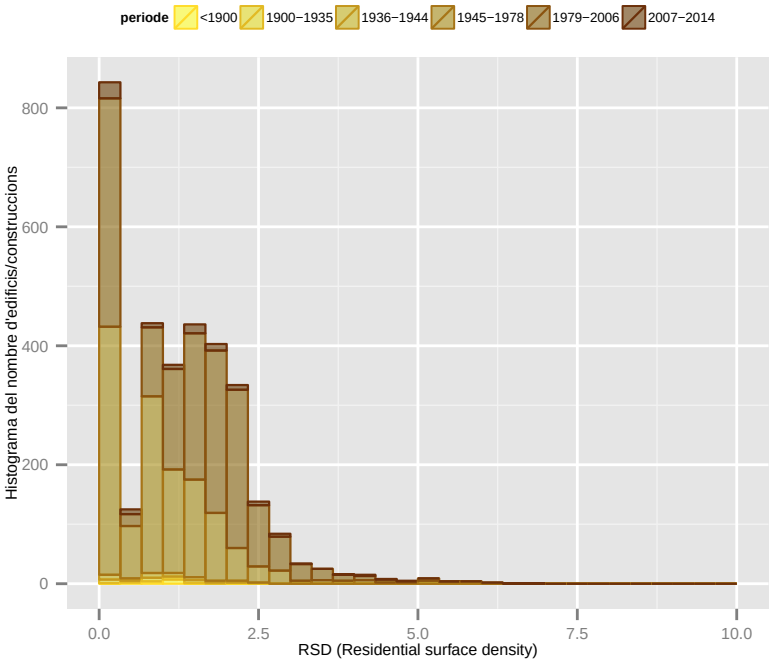


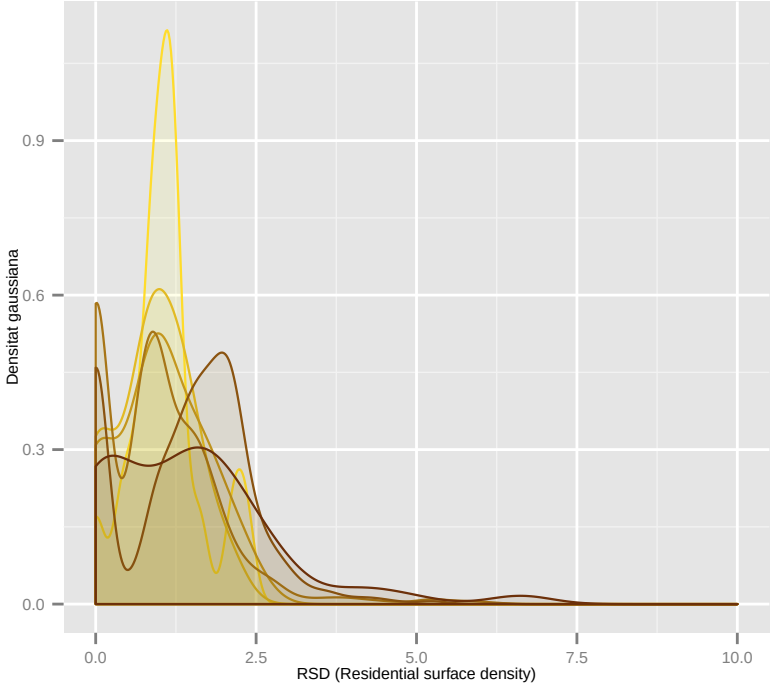
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

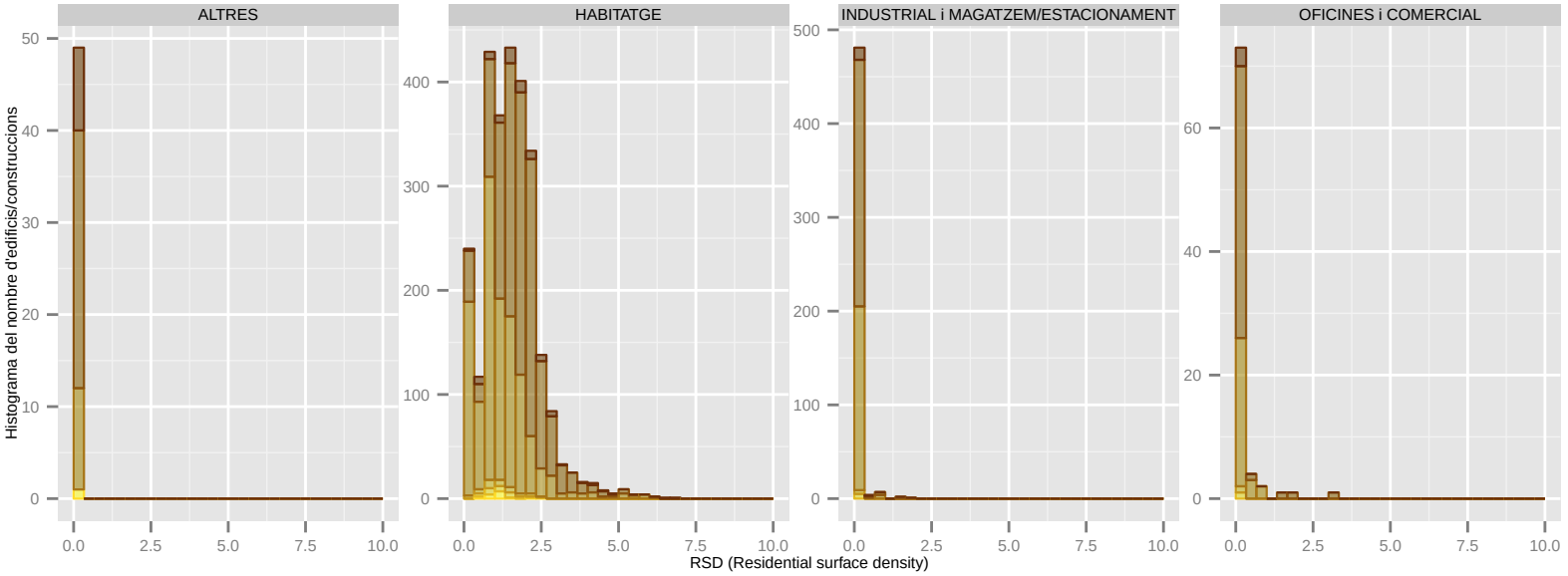
RSD (Residential surface density): BARBERA DEL VALLES





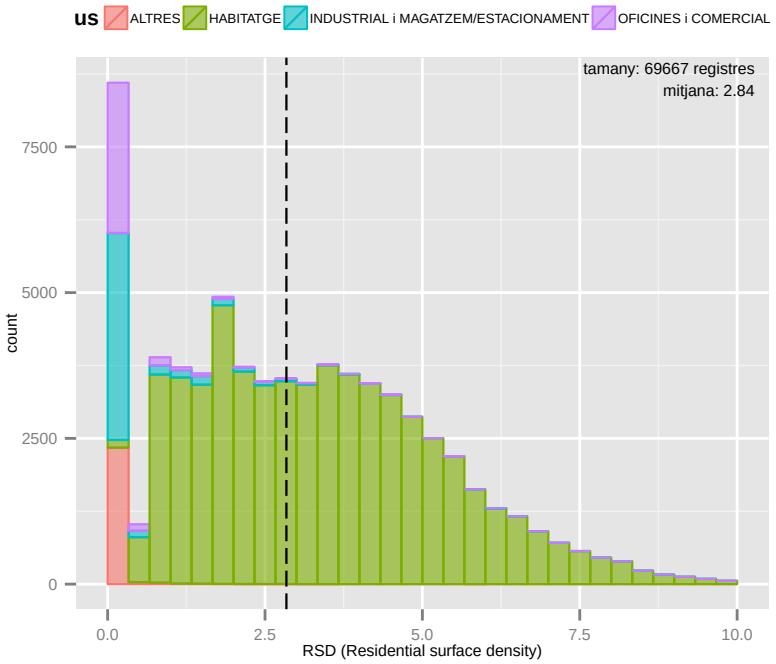


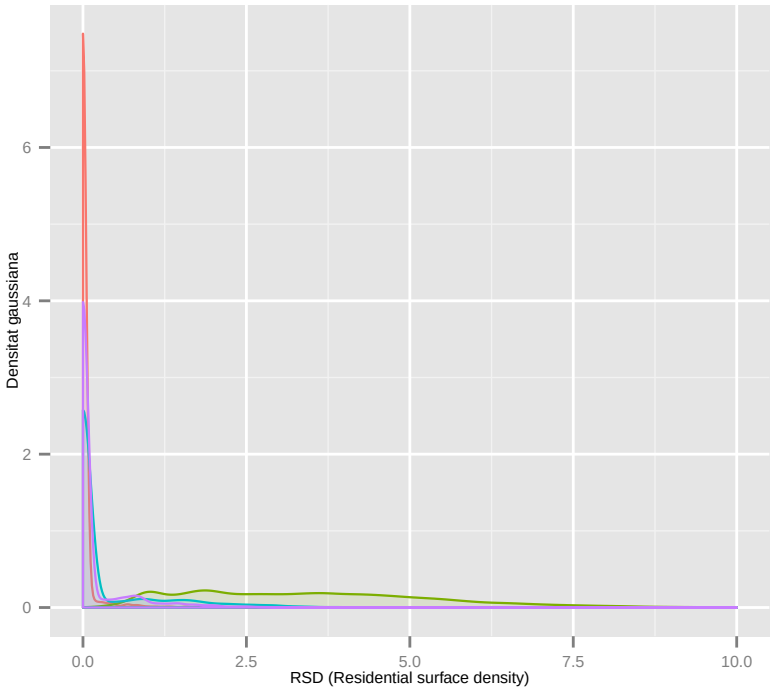


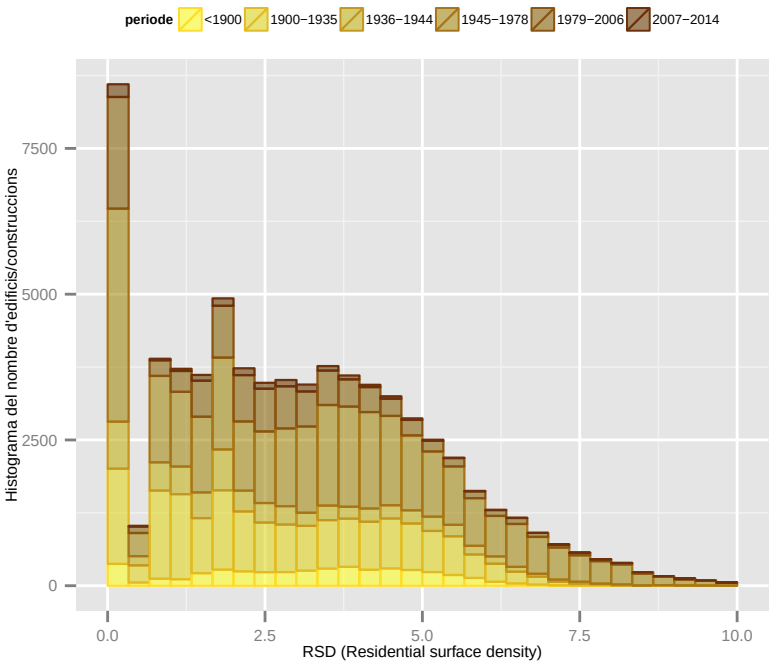


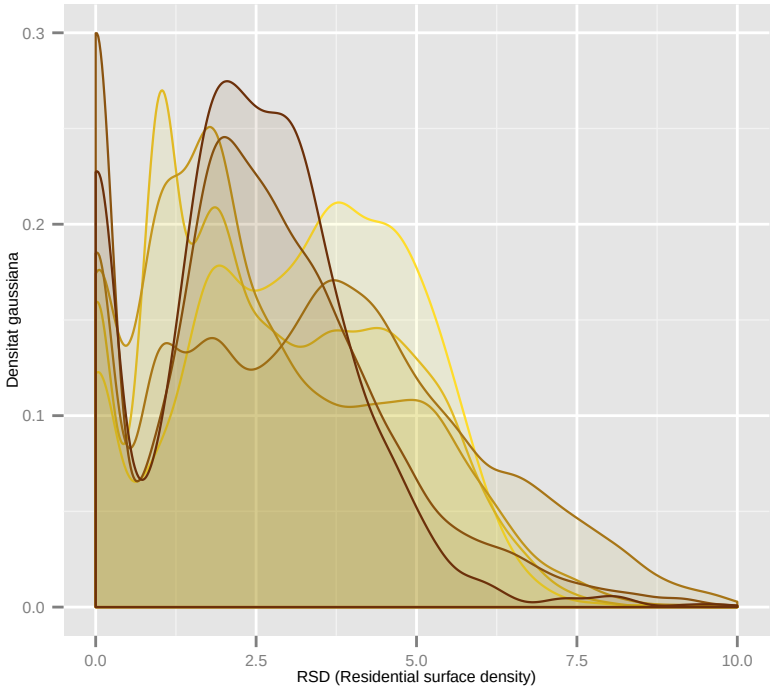
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

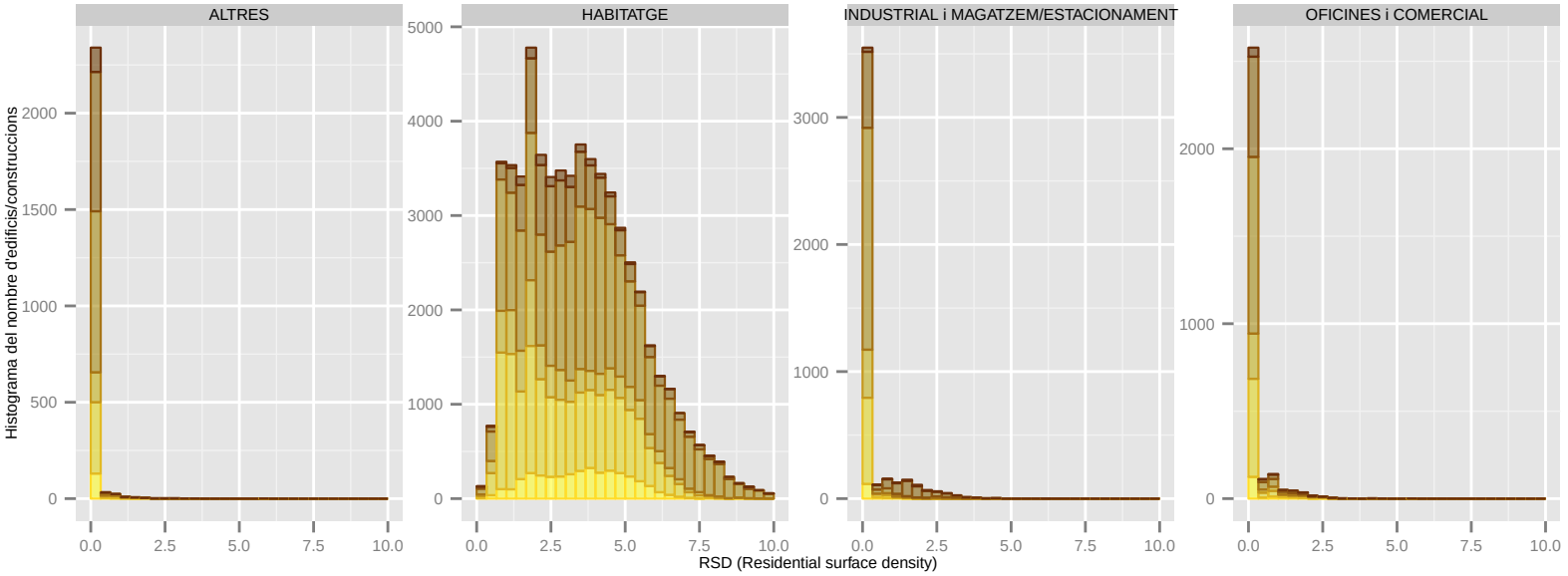
RSD (Residential surface density): BARCELONA





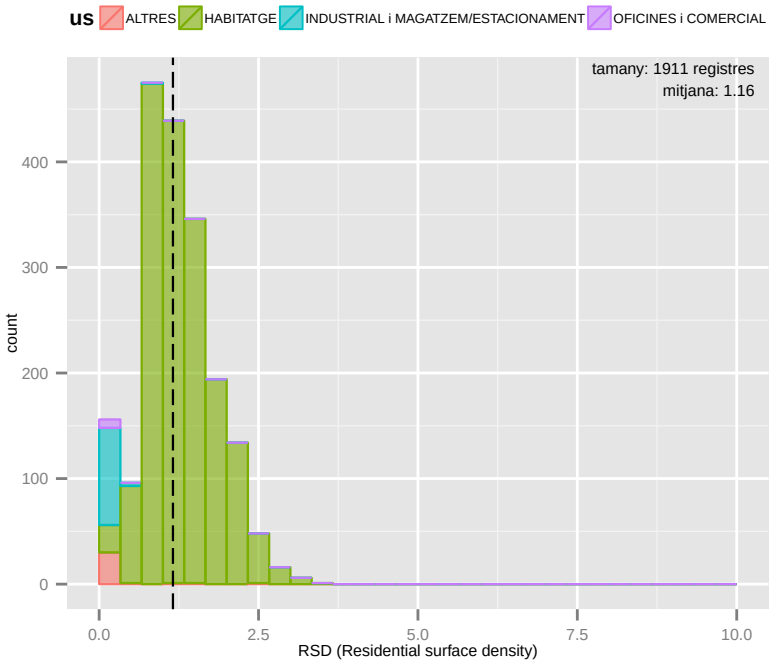


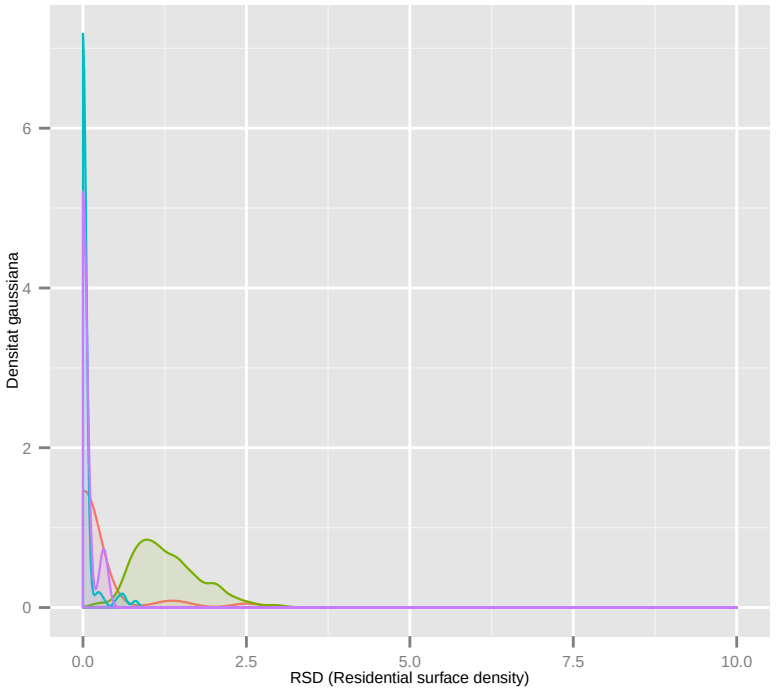


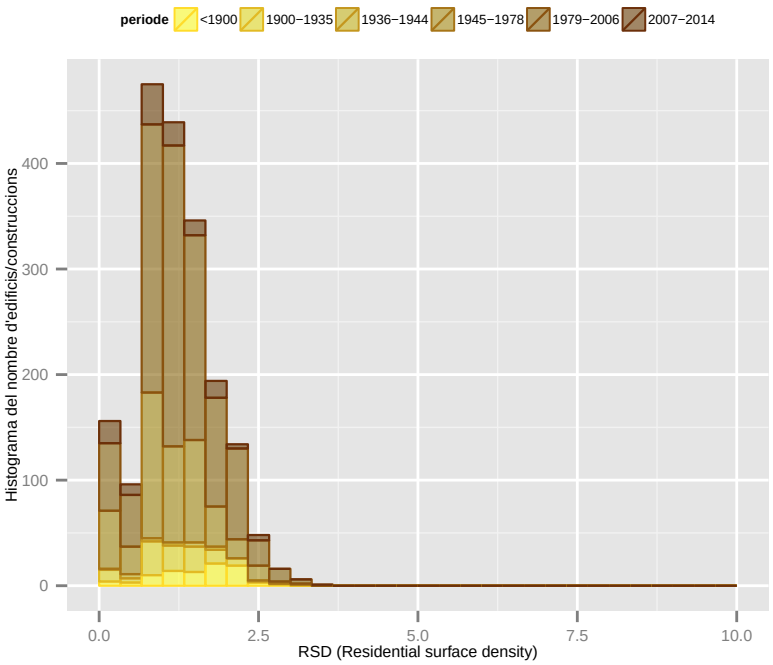


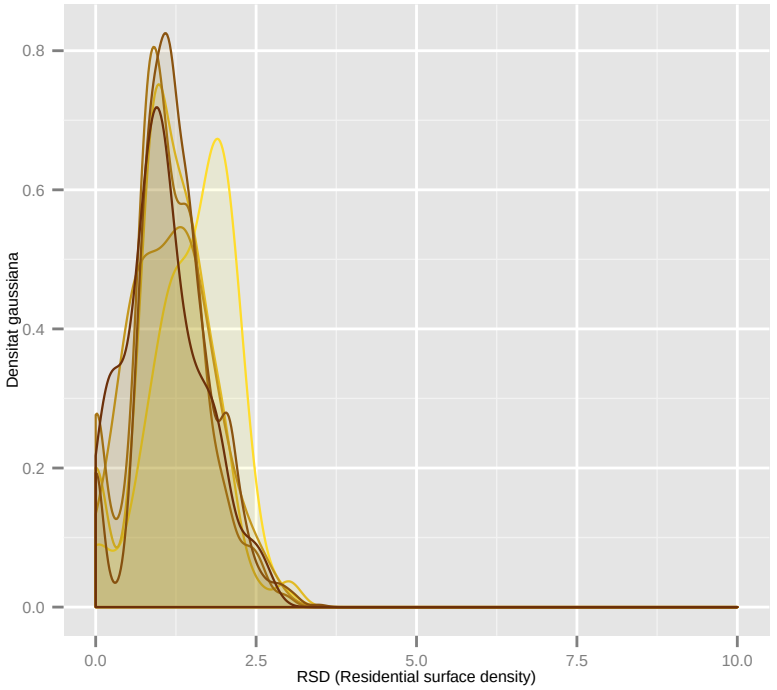
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

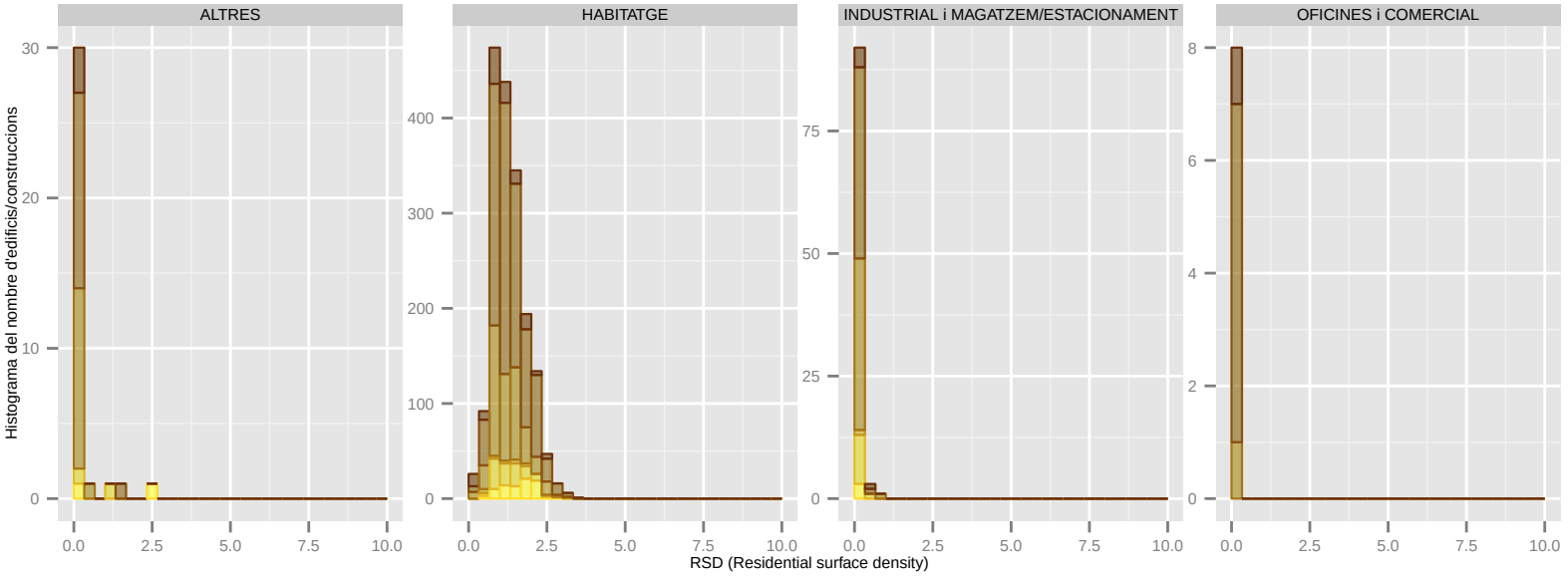
RSD (Residential surface density): BEGUES





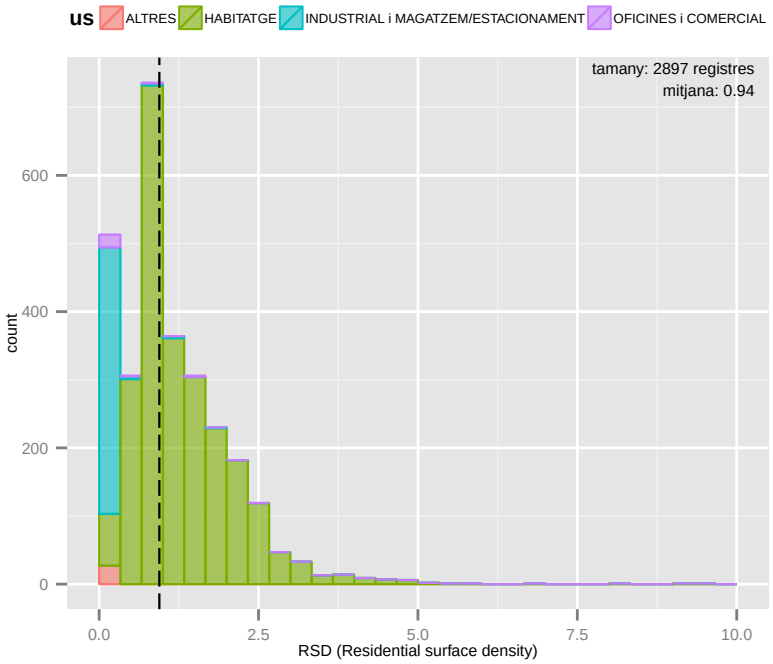


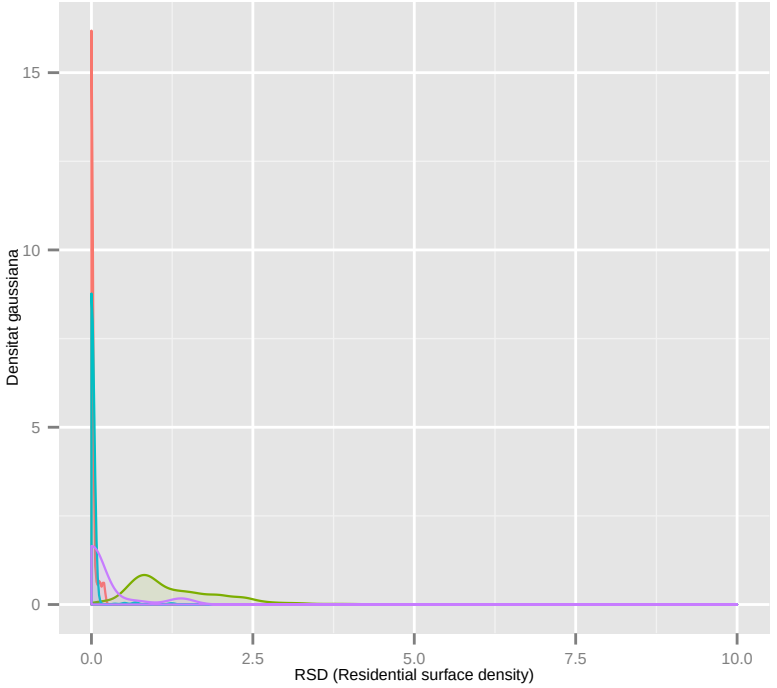


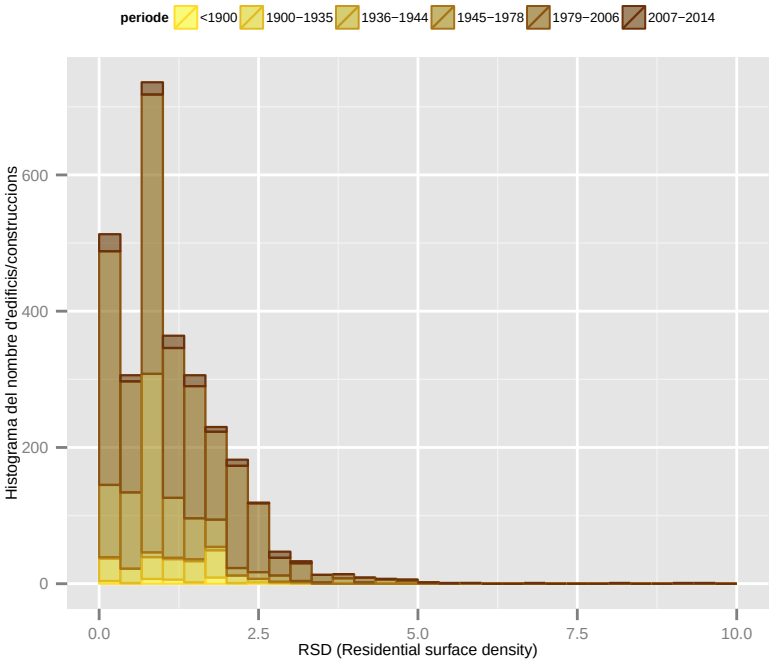


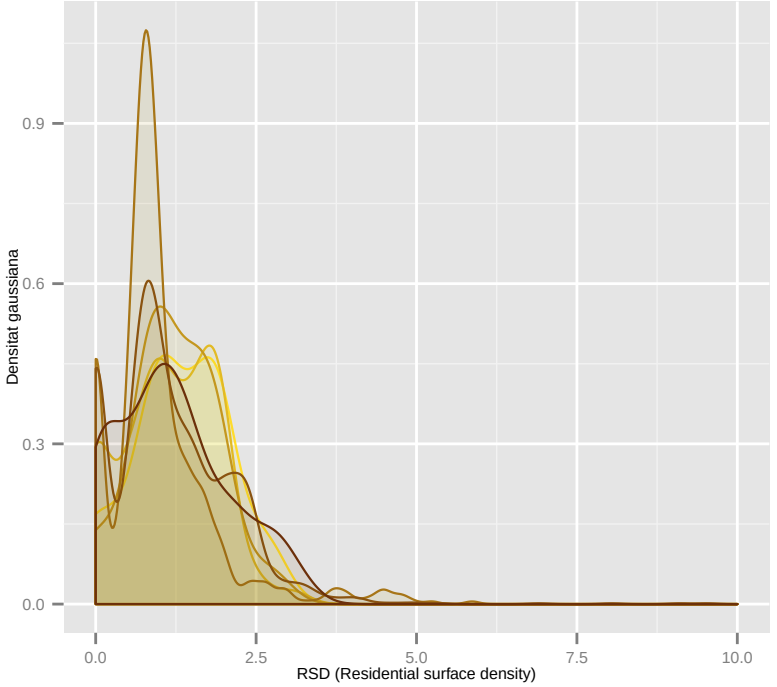
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

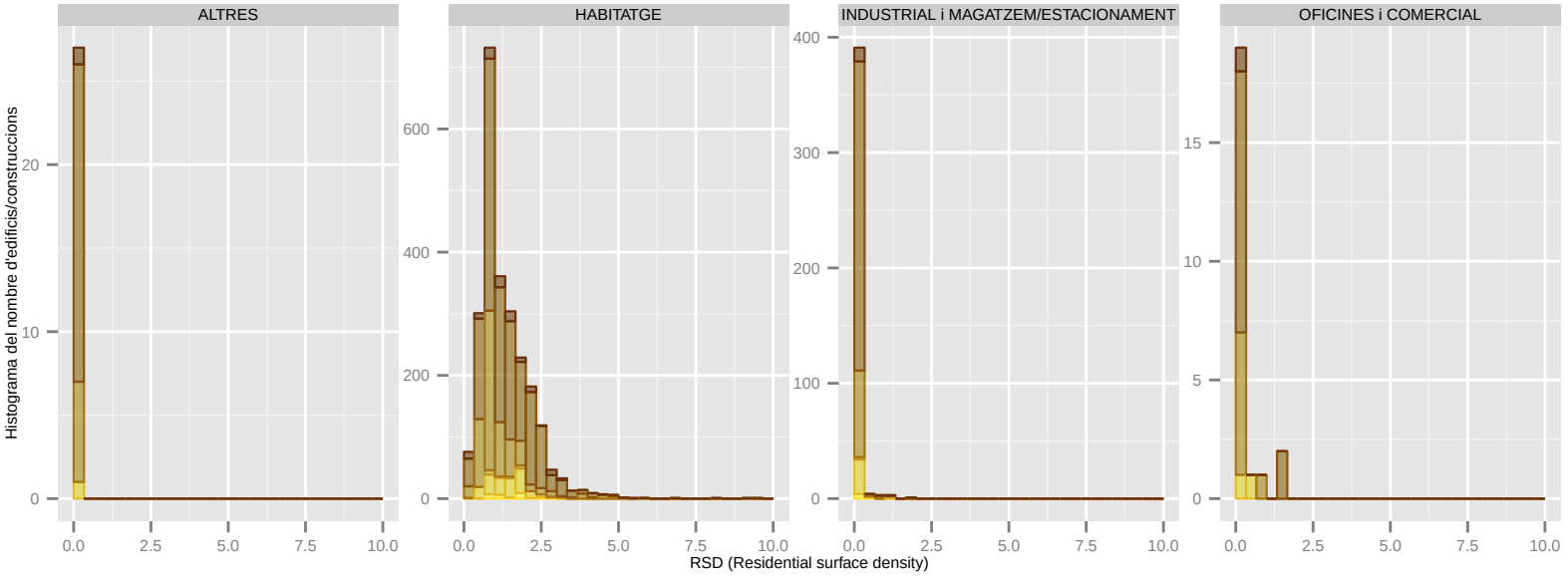
RSD (Residential surface density): CASTELLBISBAL





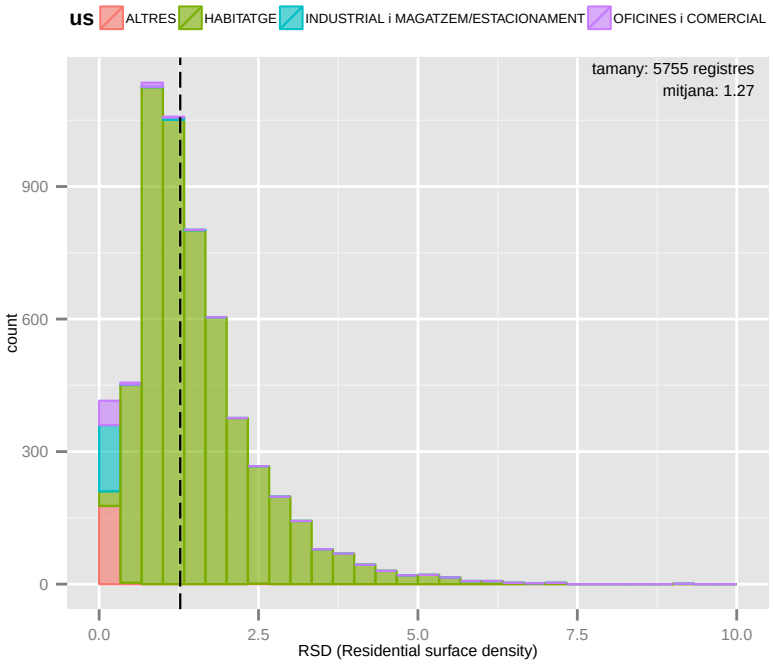


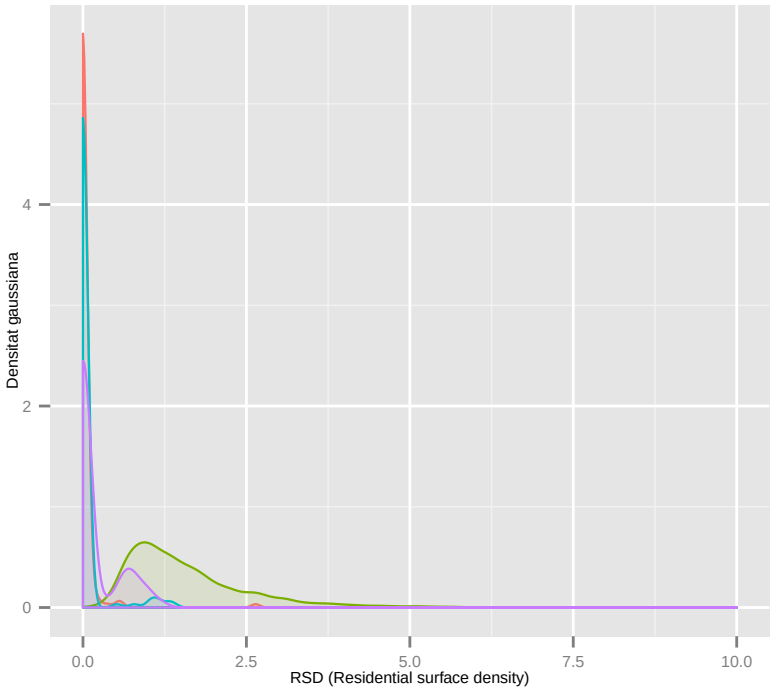


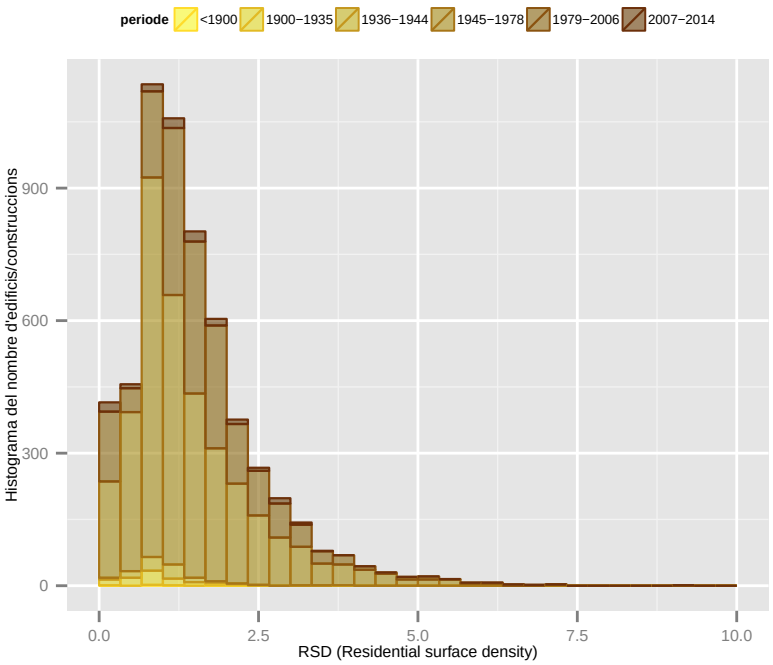


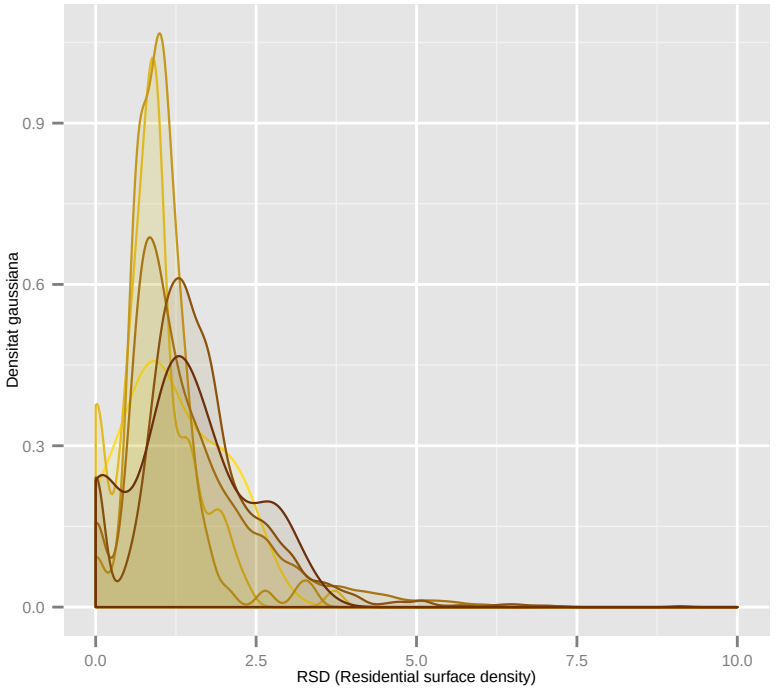
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

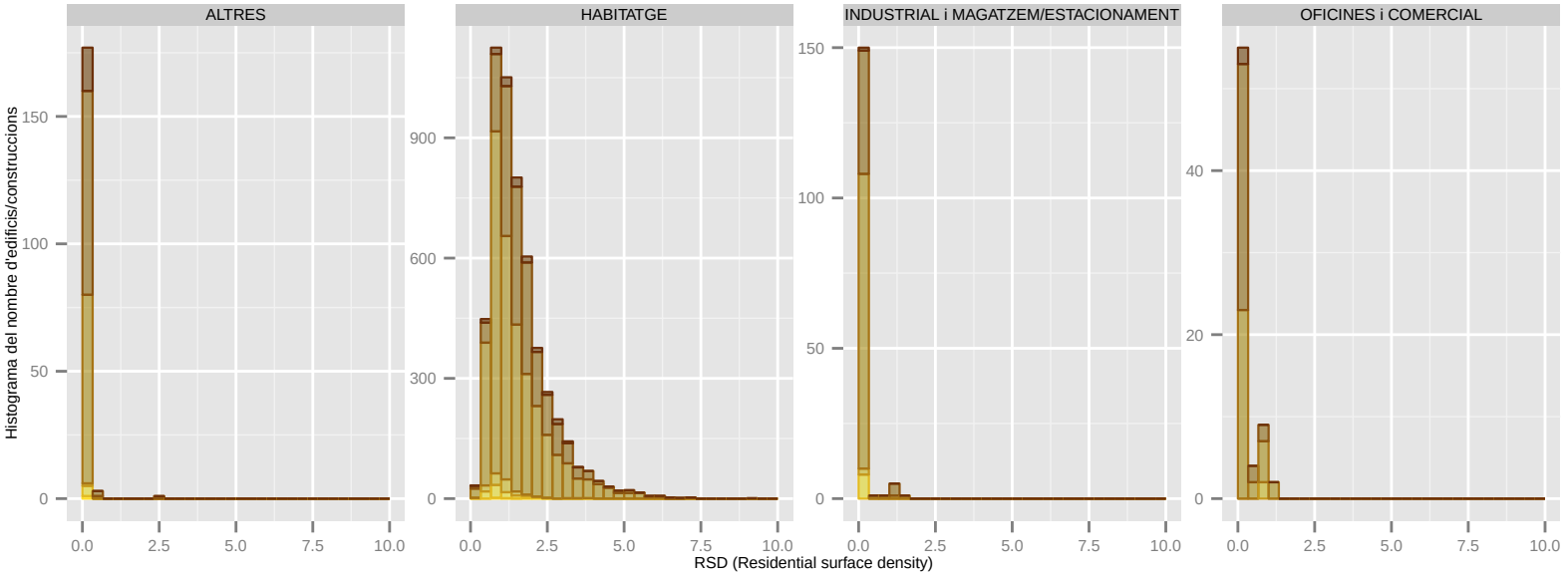
RSD (Residential surface density): CASTELLDEFELS





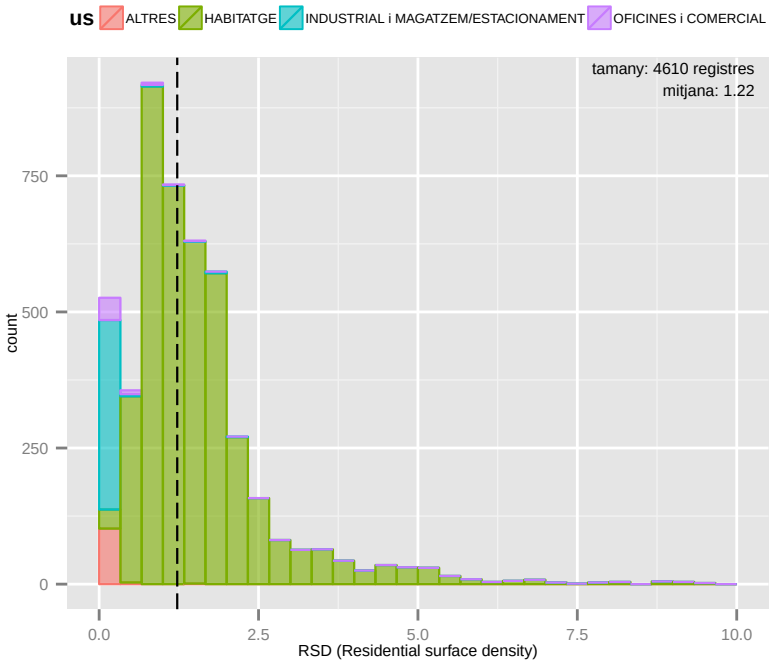


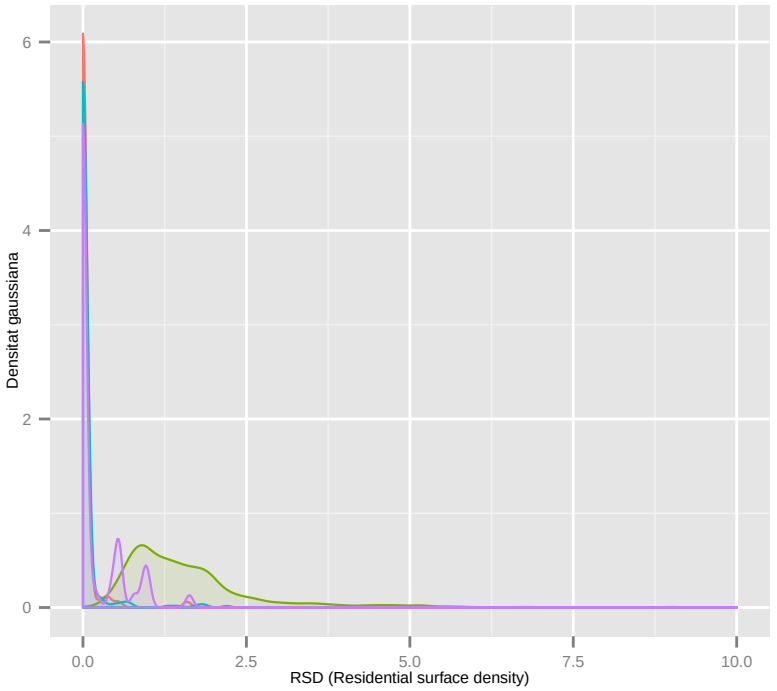


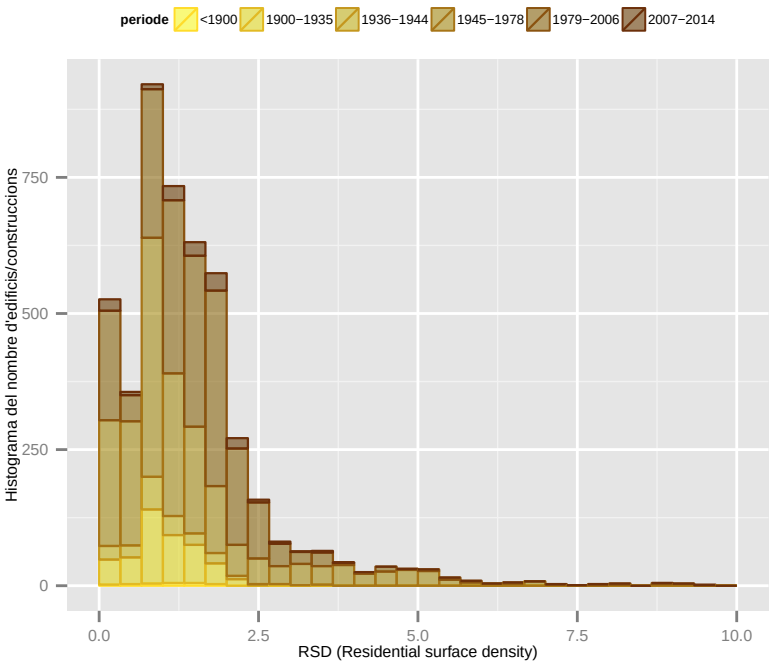


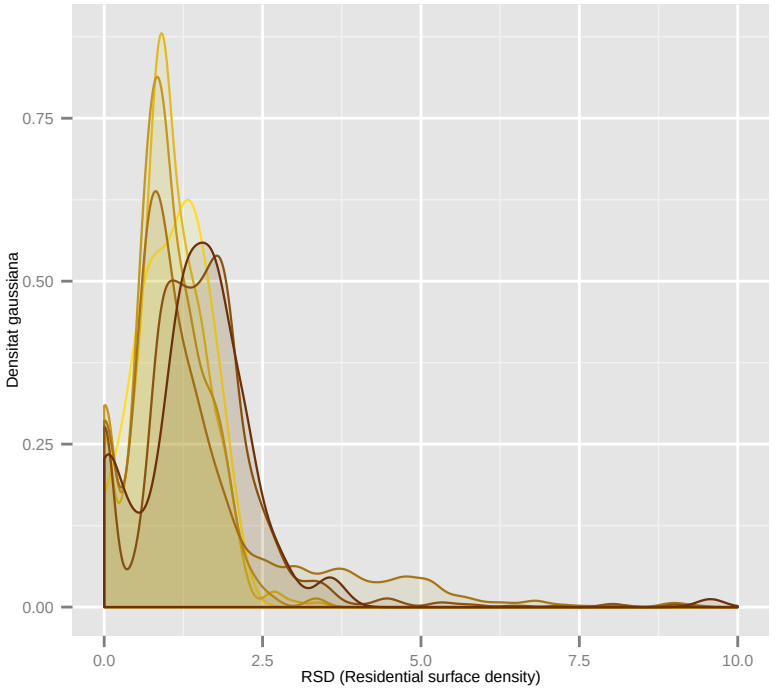
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

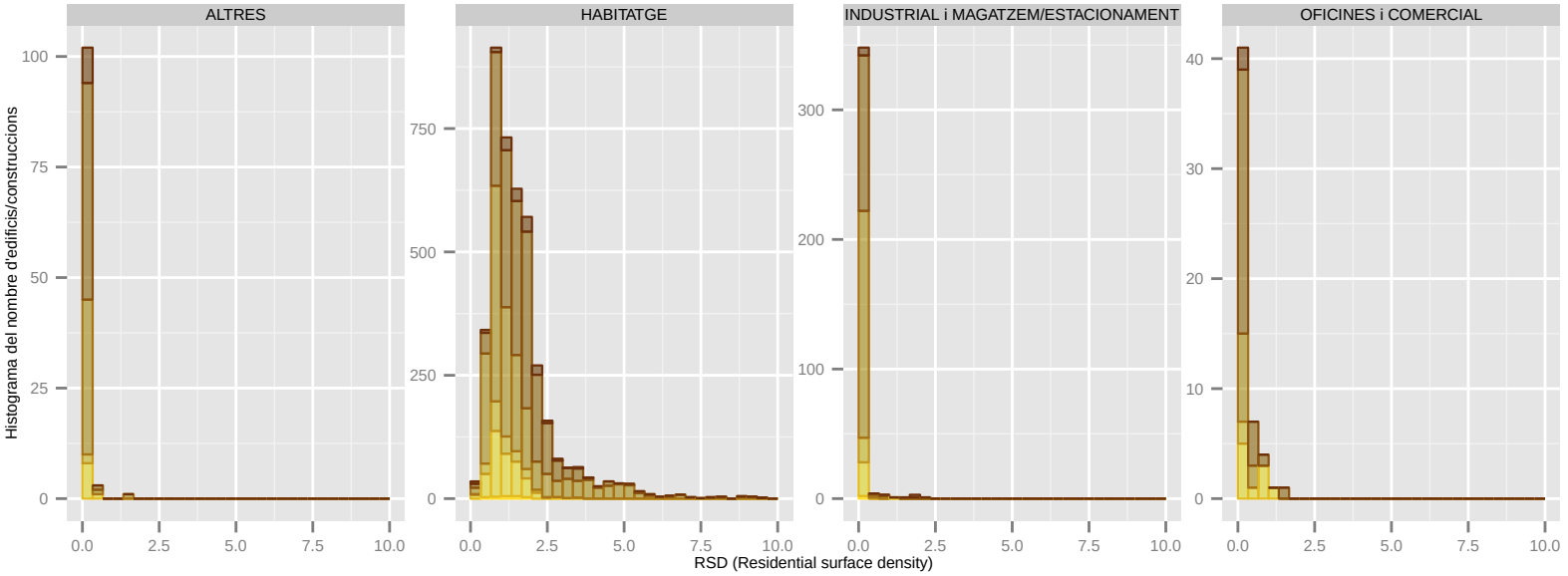
RSD (Residential surface density): CERDANYOLA DEL VALLES





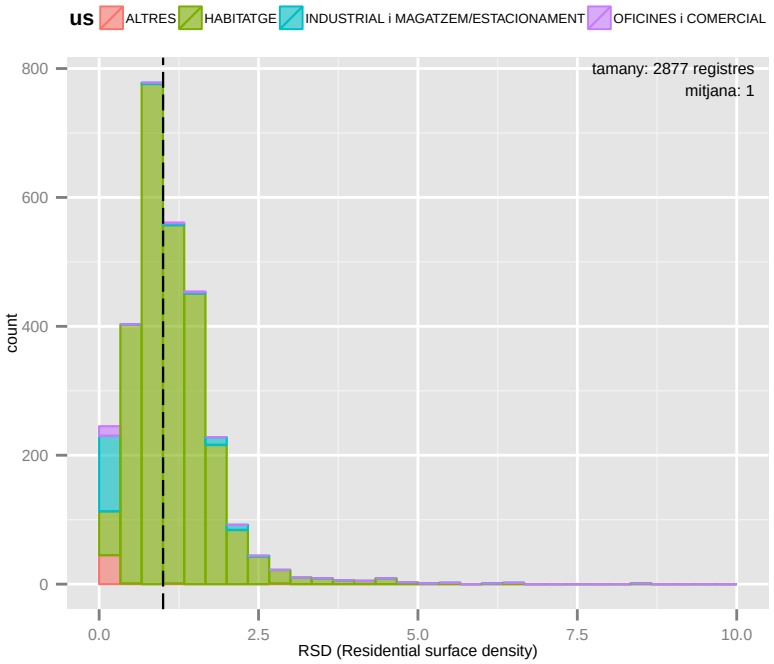


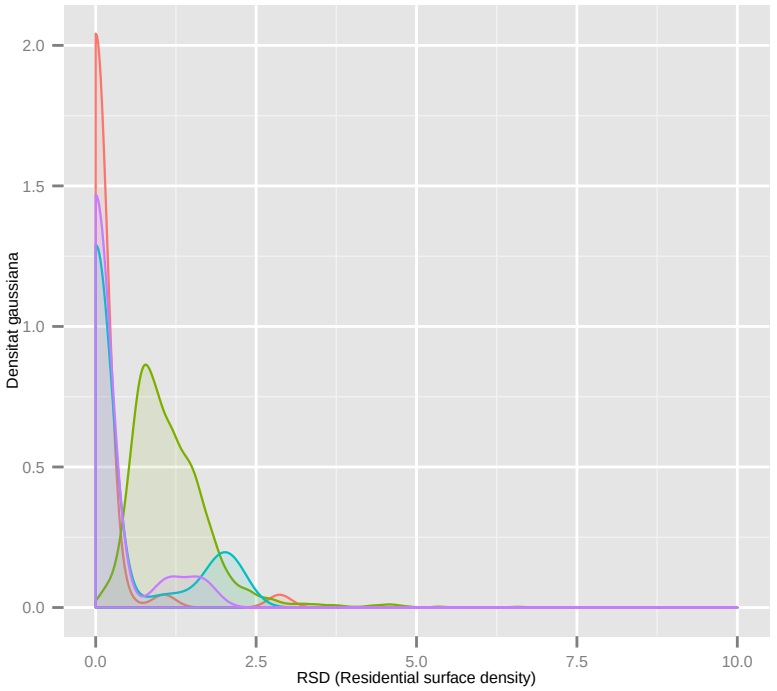


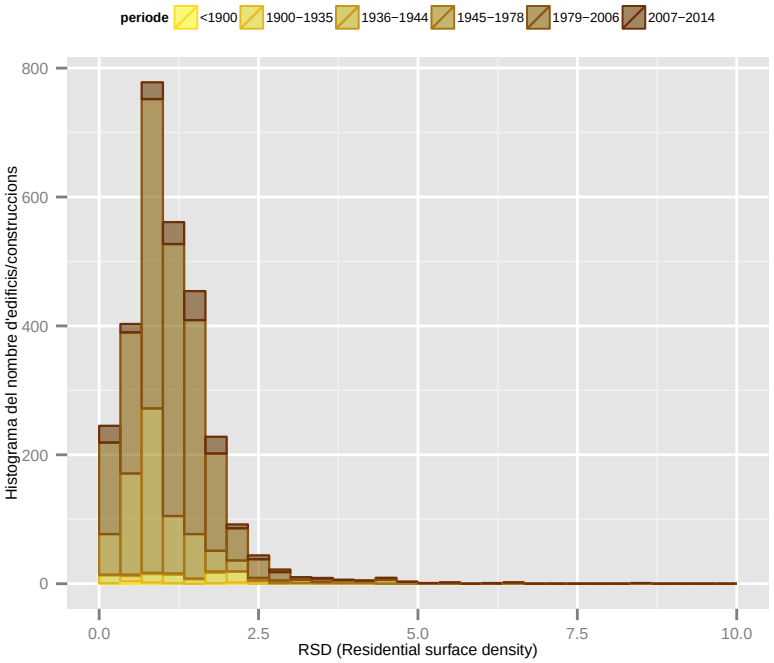


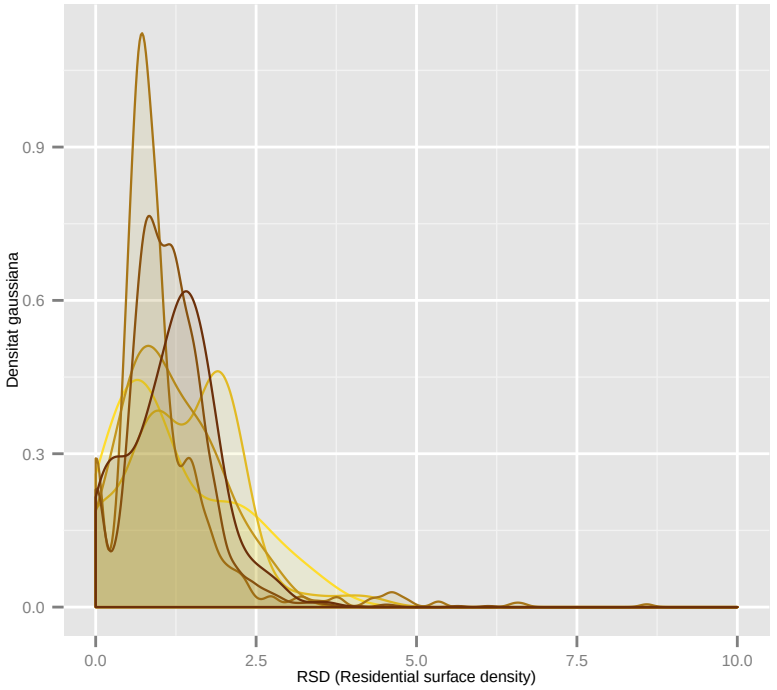
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

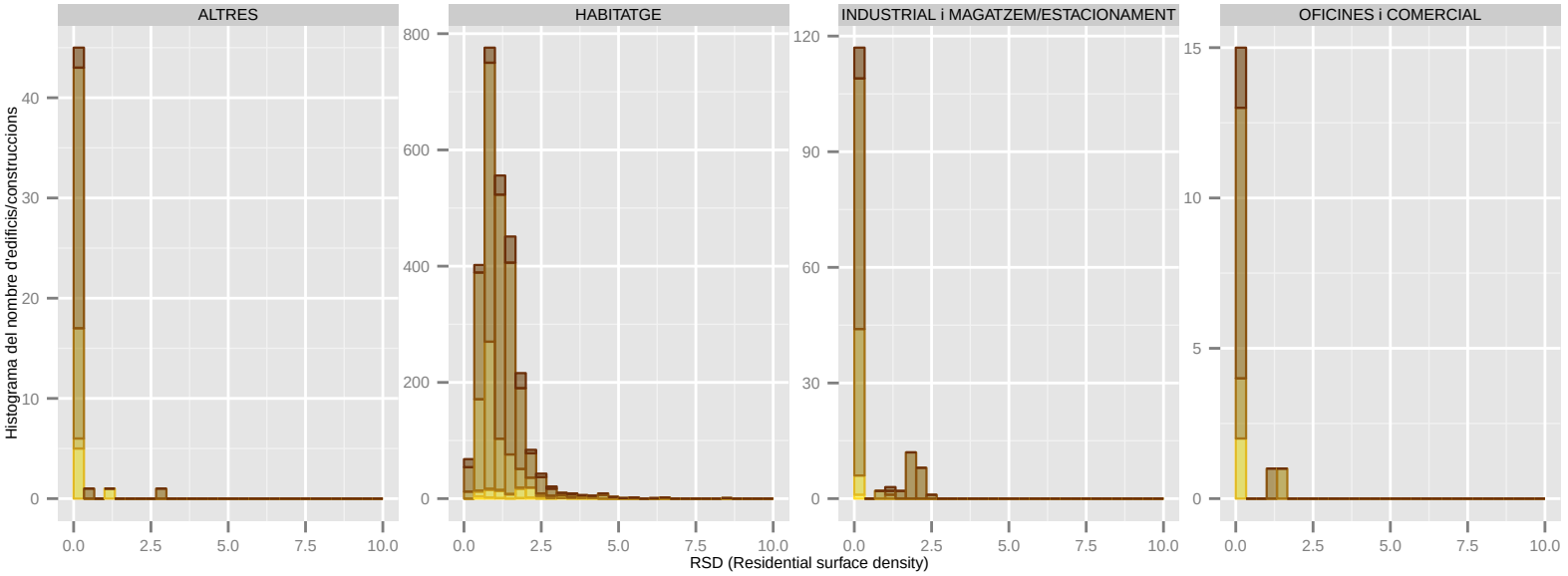
RSD (Residential surface density): CERVELLO





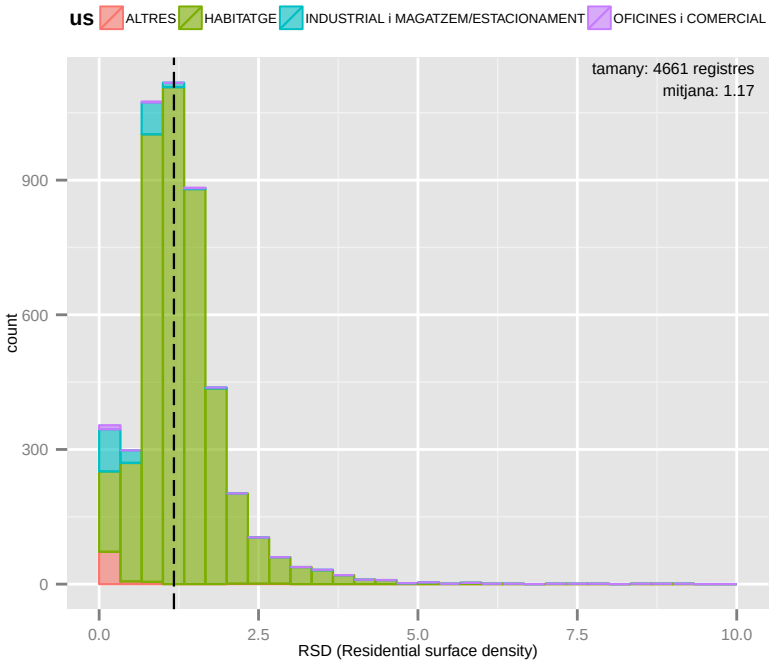


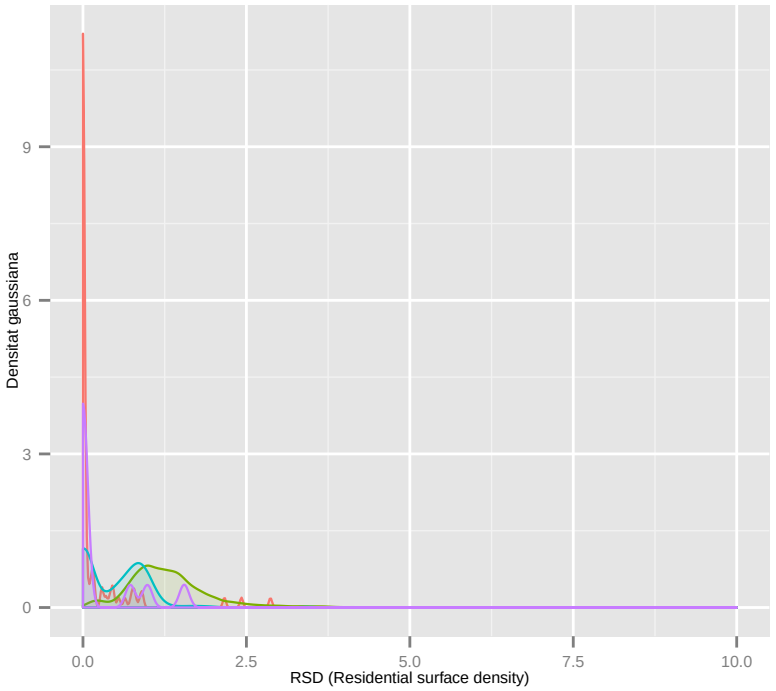


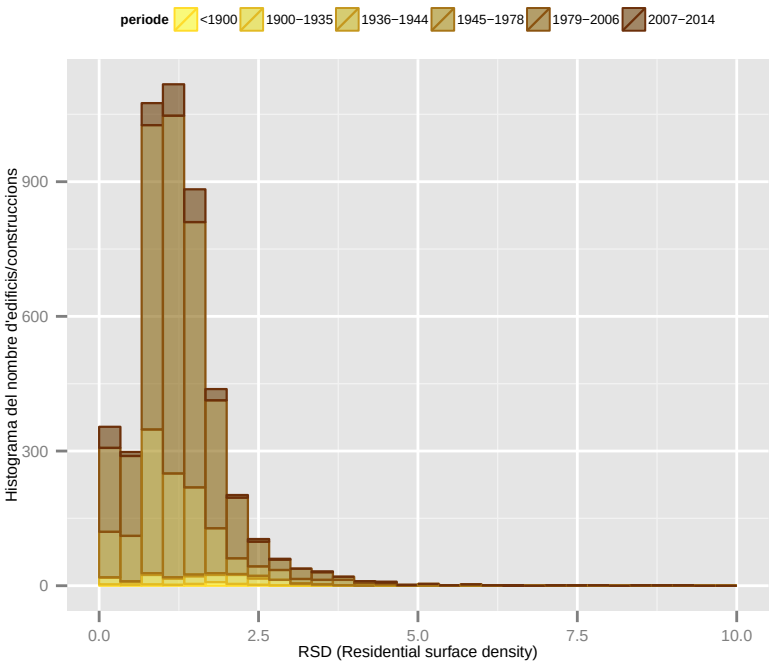


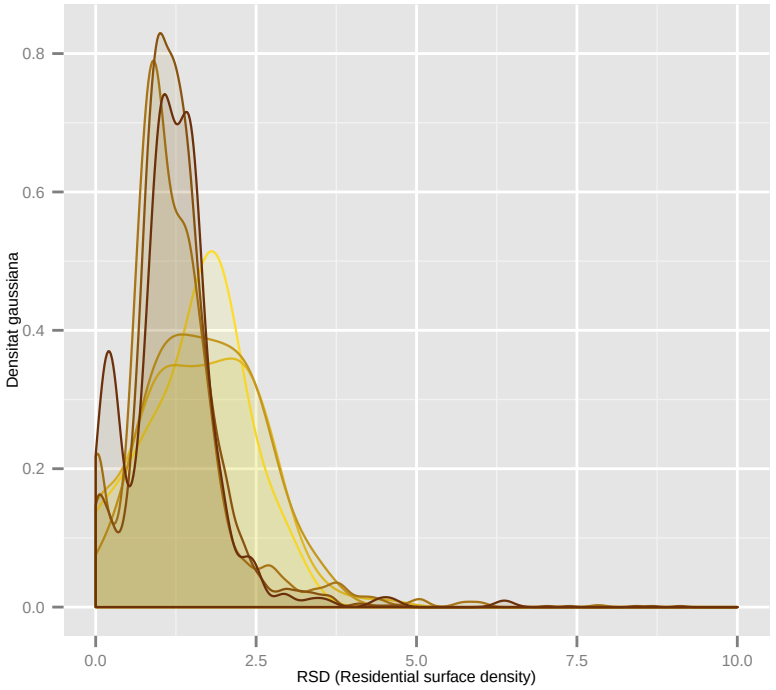
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

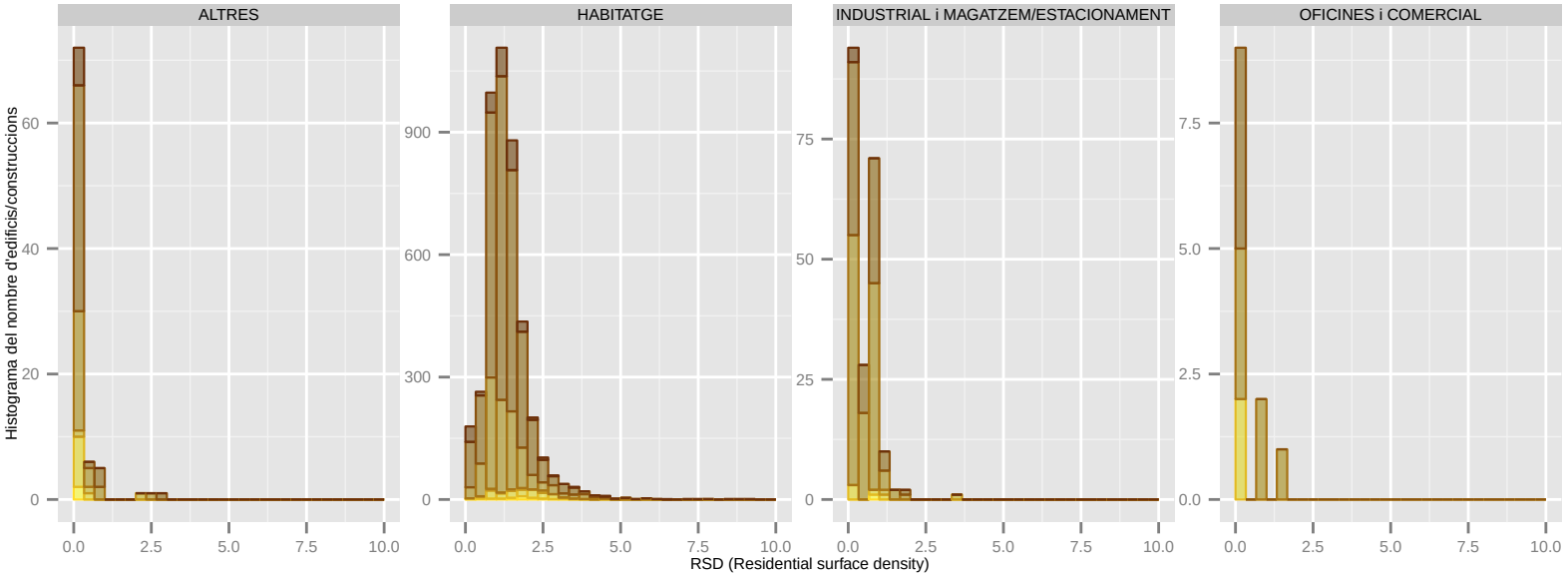
RSD (Residential surface density): CORBERA DE LLOBREGAT





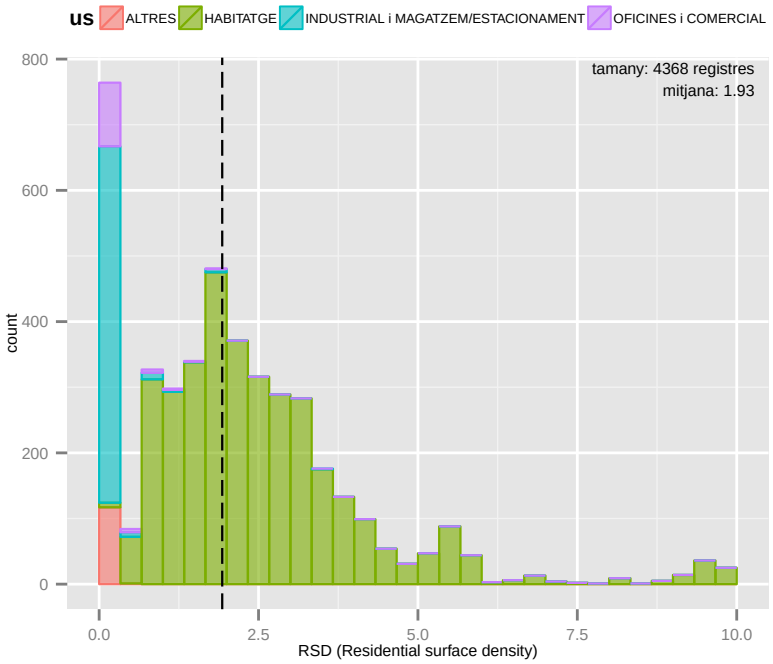


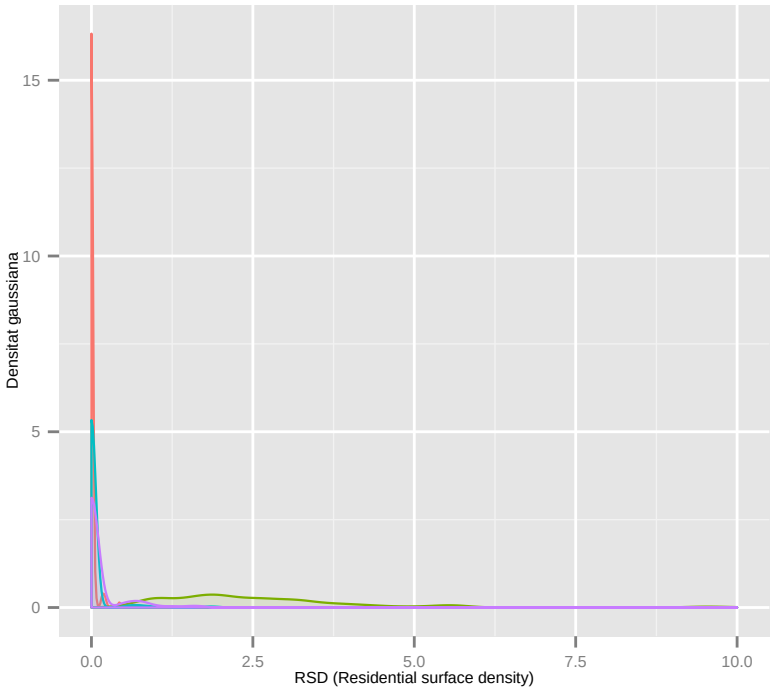


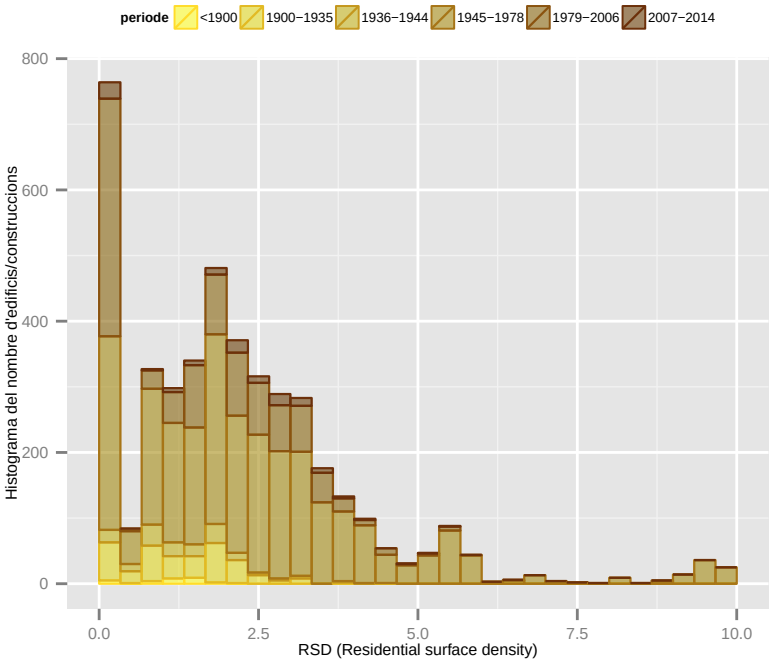


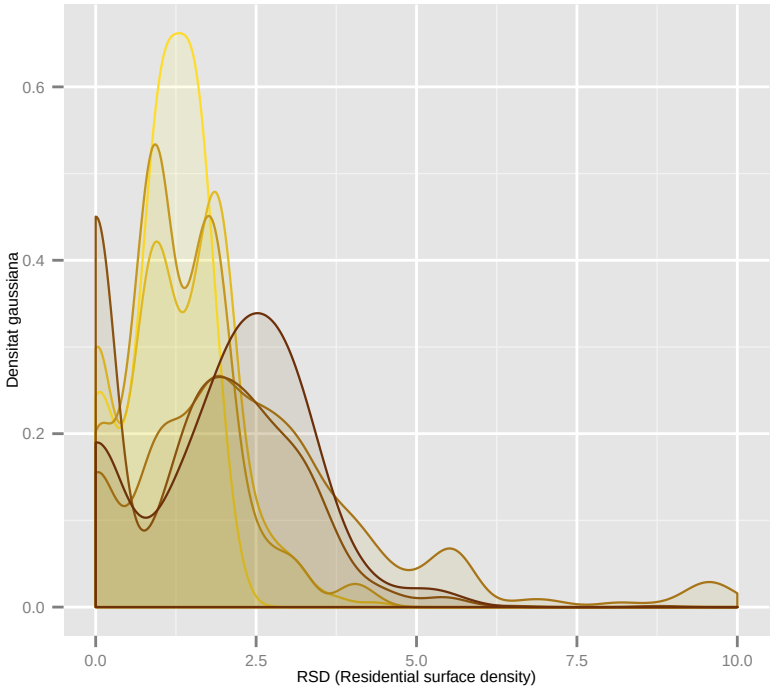
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

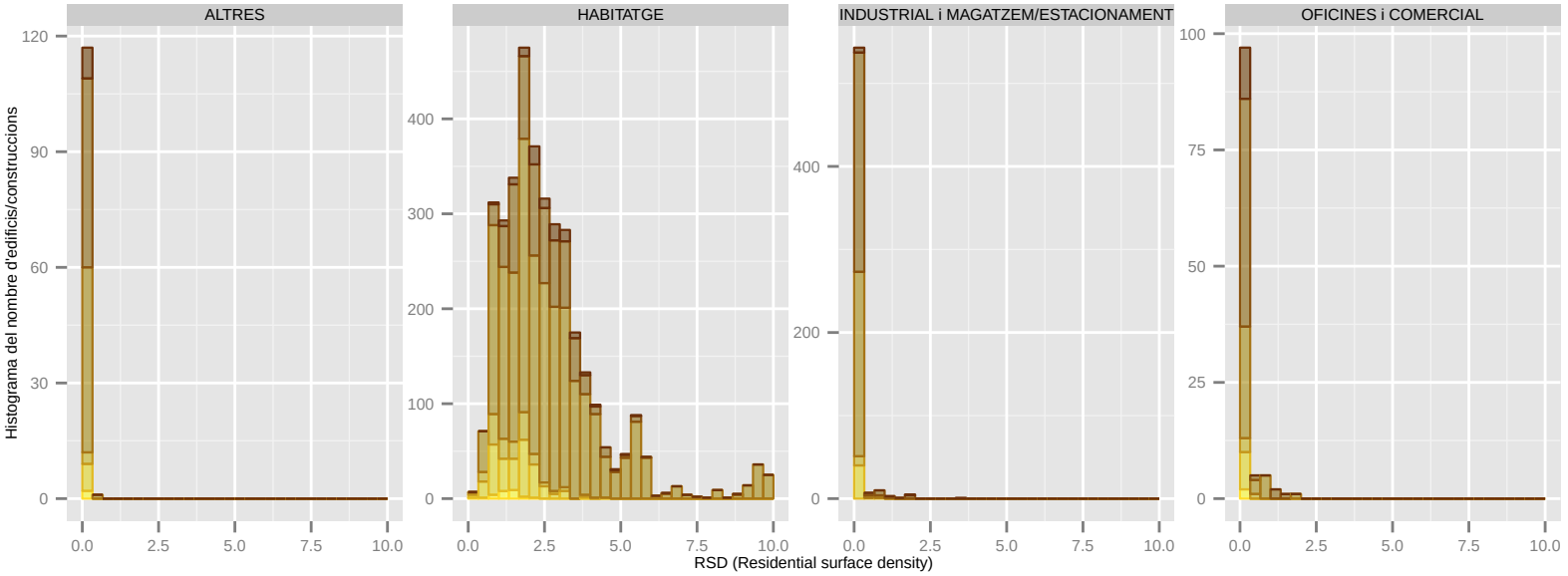
RSD (Residential surface density): CORNELLA DE LLOBREGAT





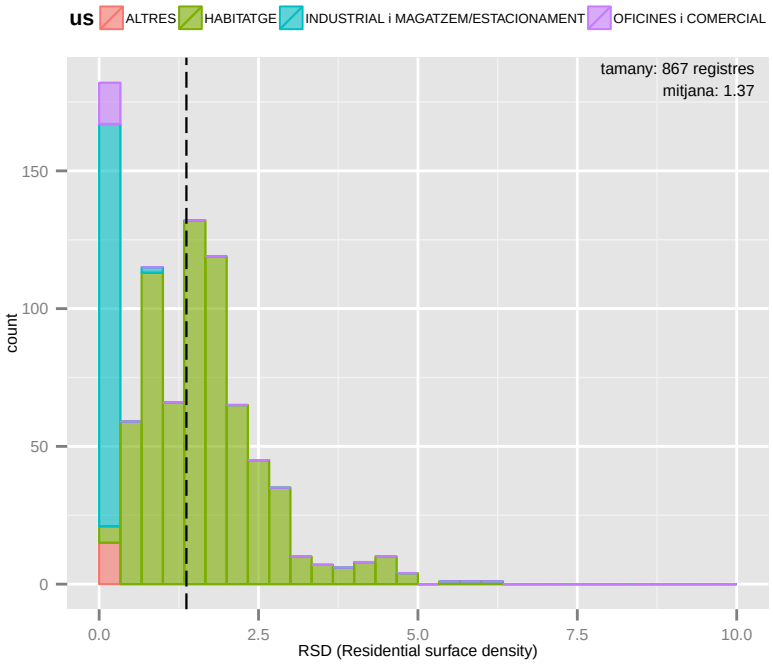


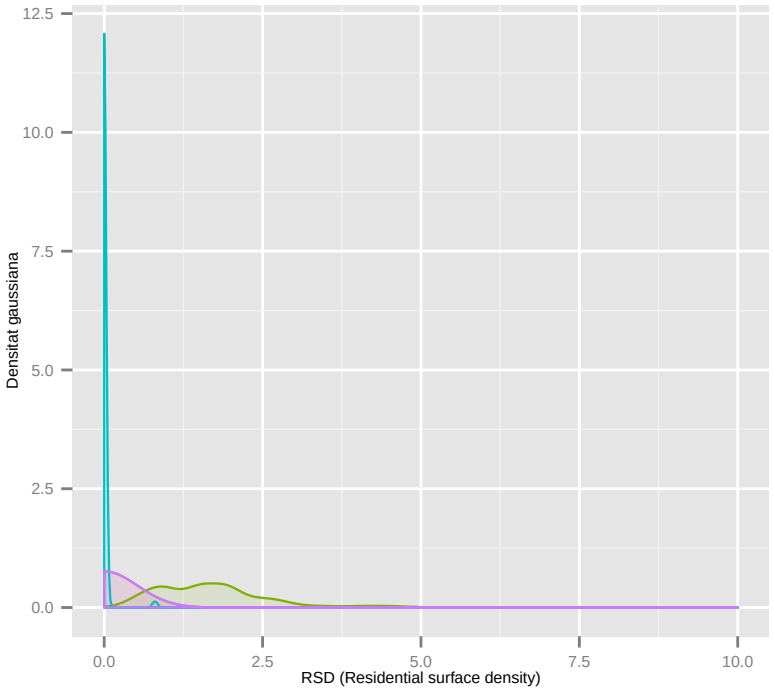


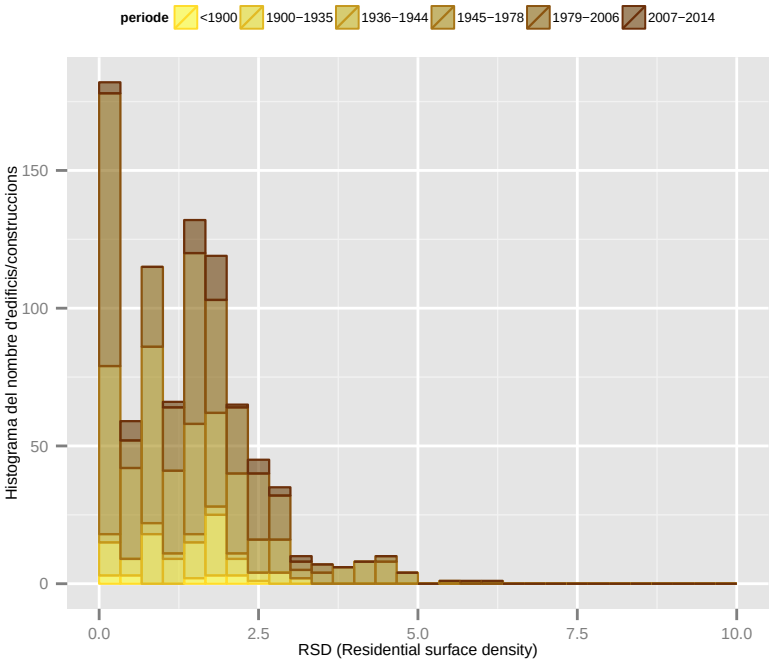


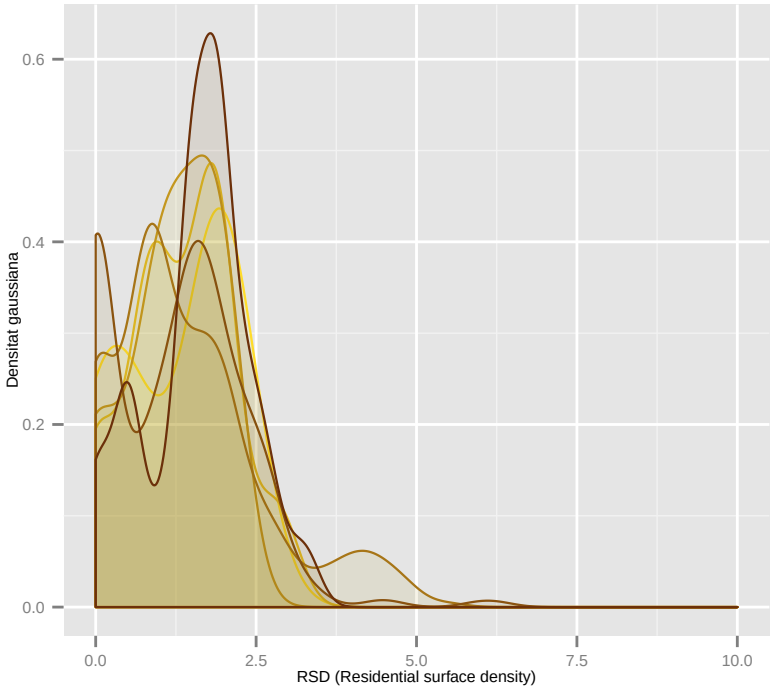
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

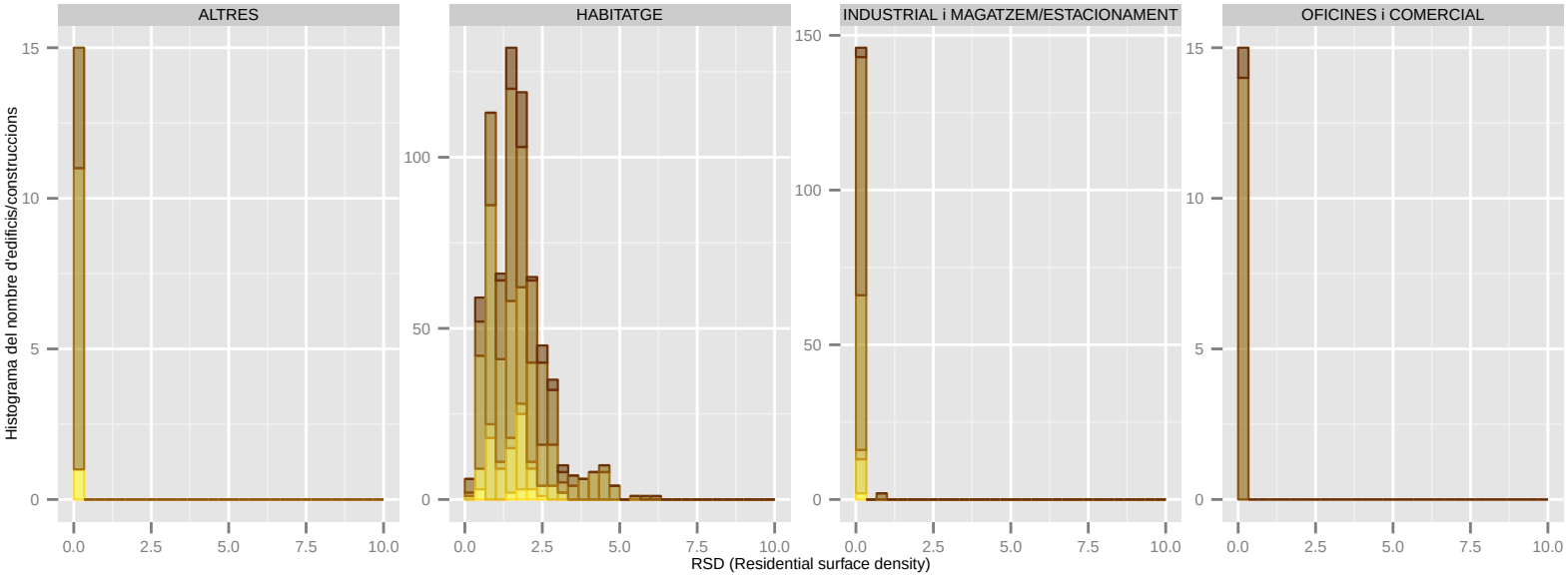
RSD (Residential surface density): EL PAPIOL





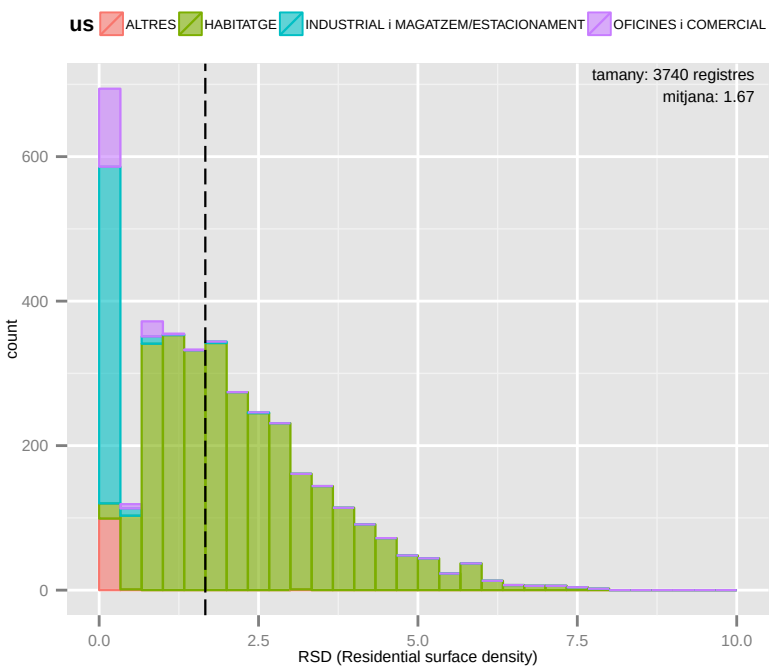


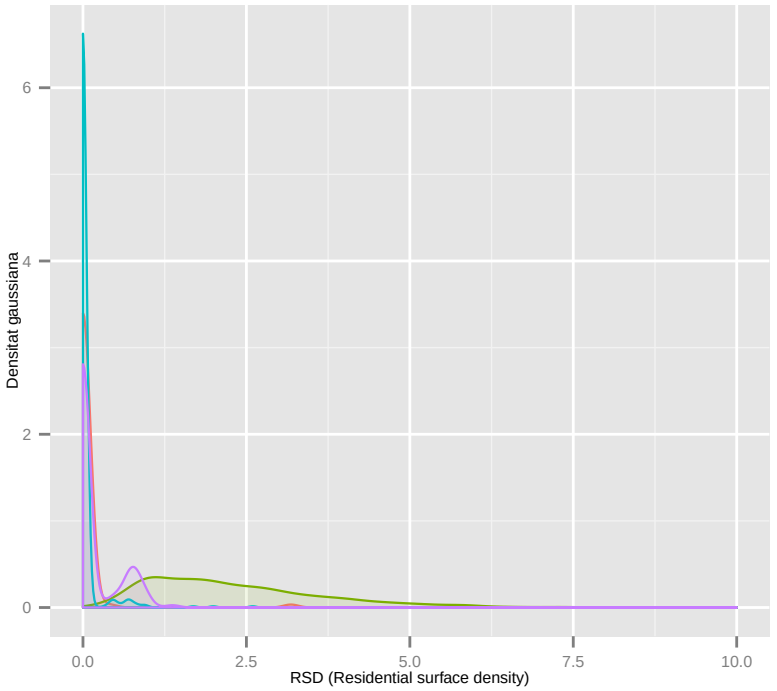


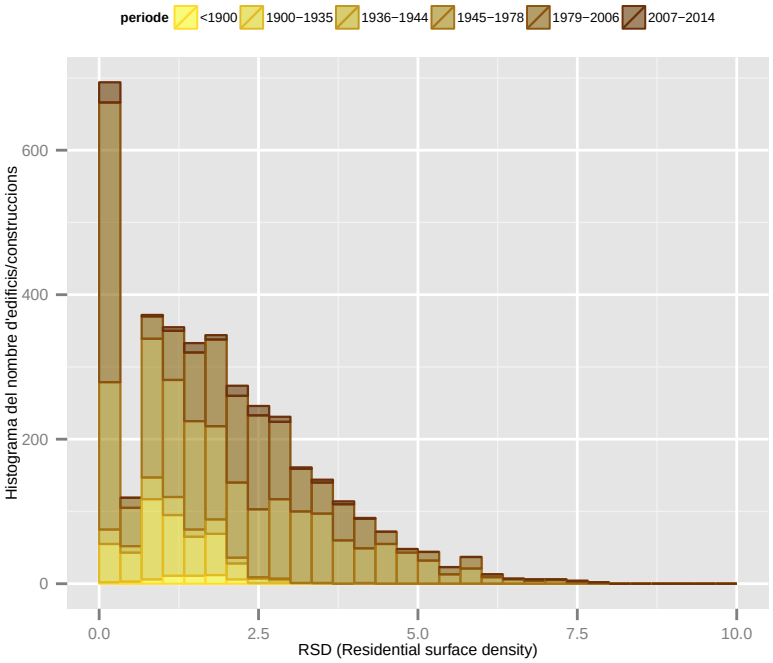


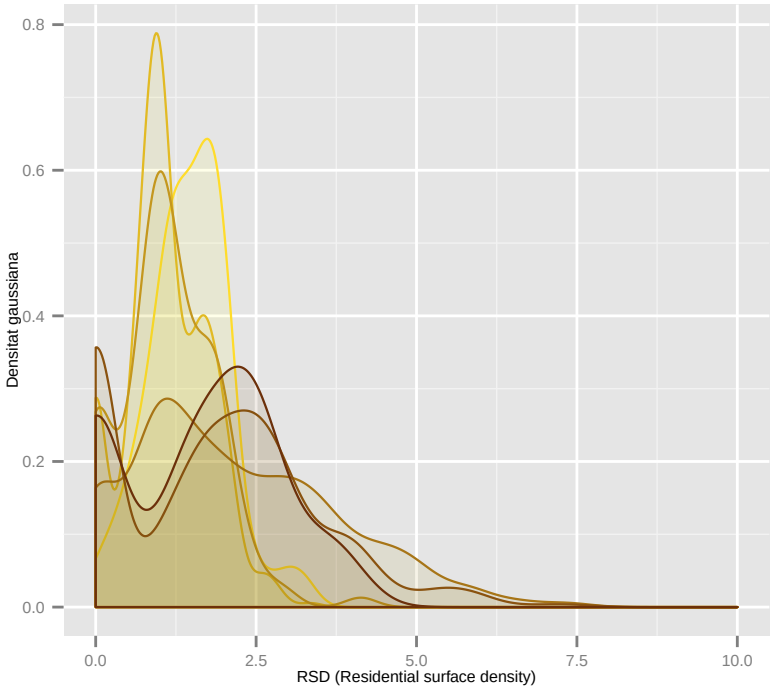
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

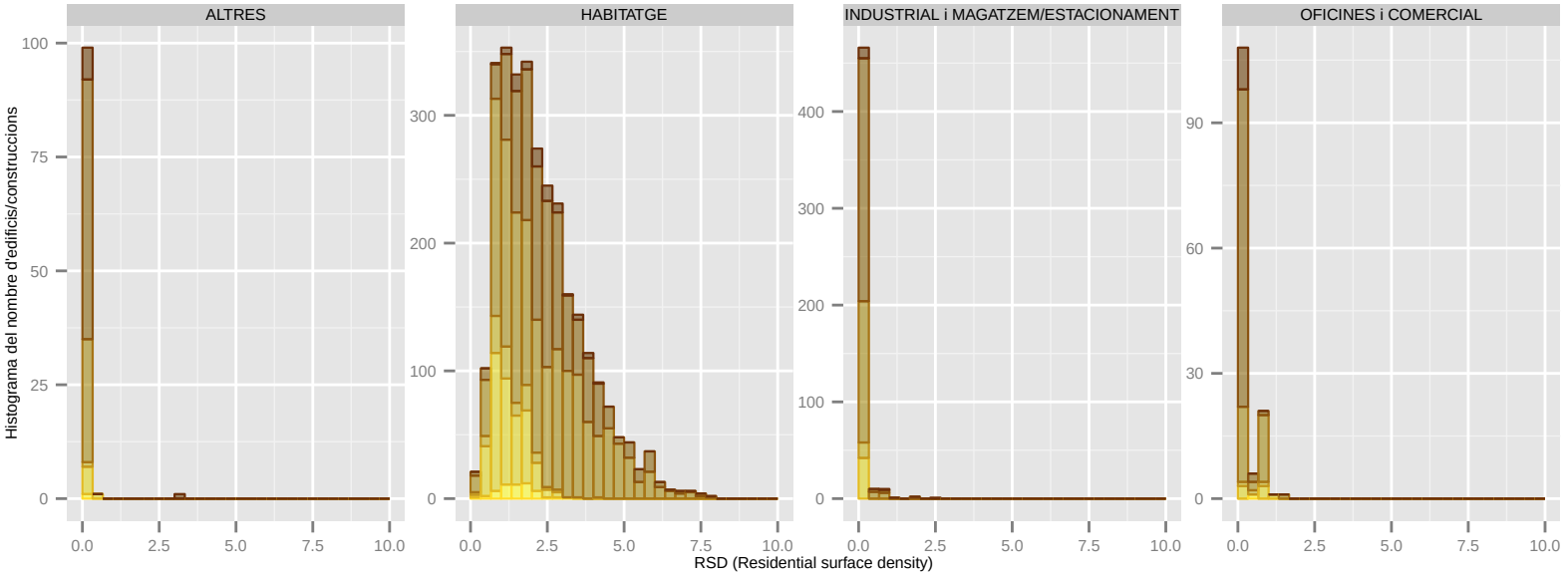
RSD (Residential surface density): EL PRAT DE LLOBREGAT





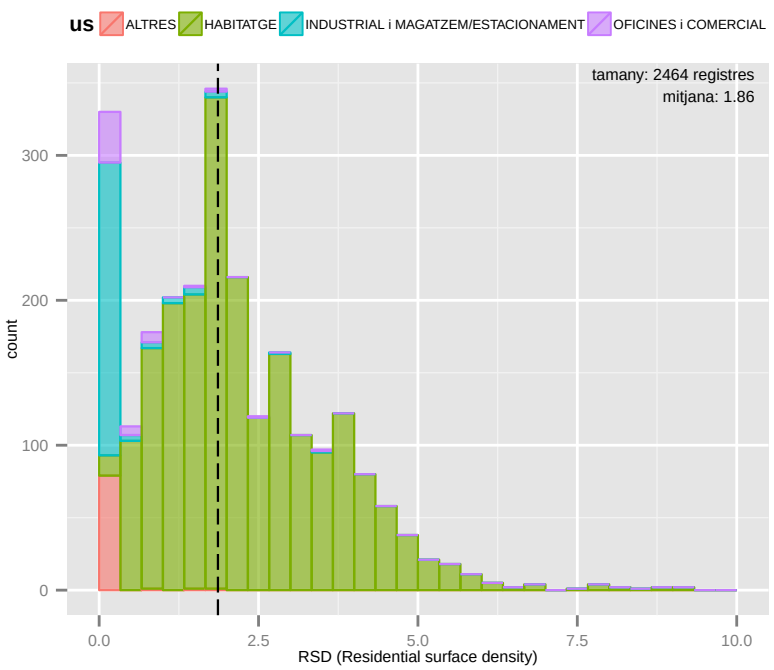


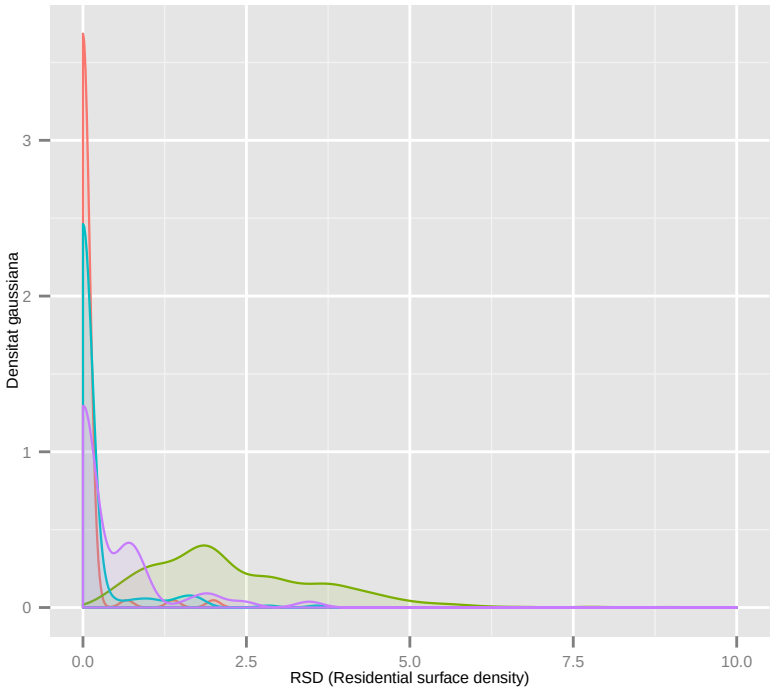


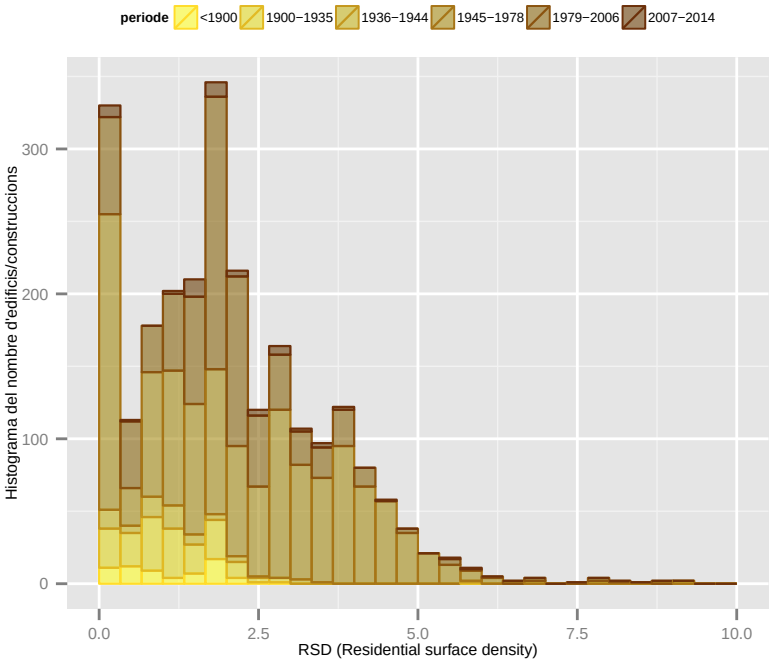


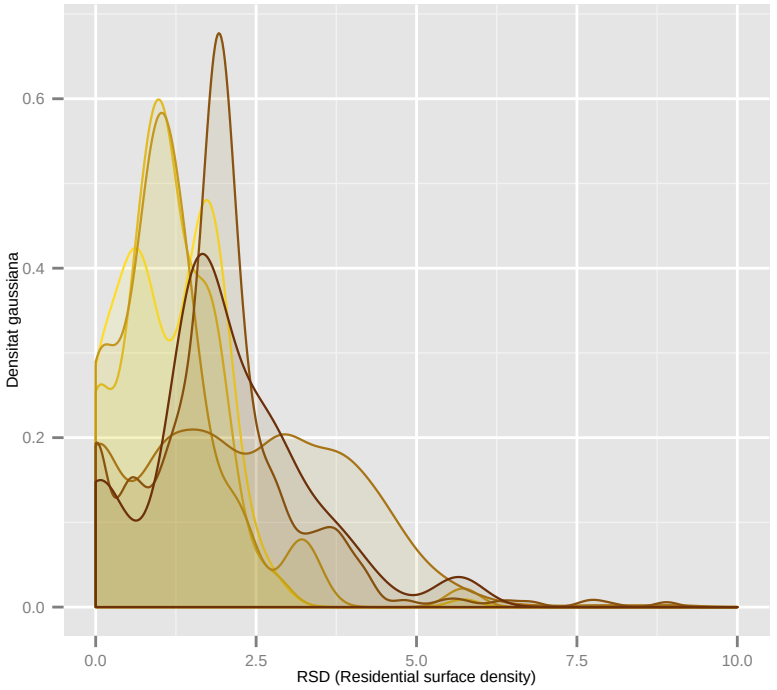
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

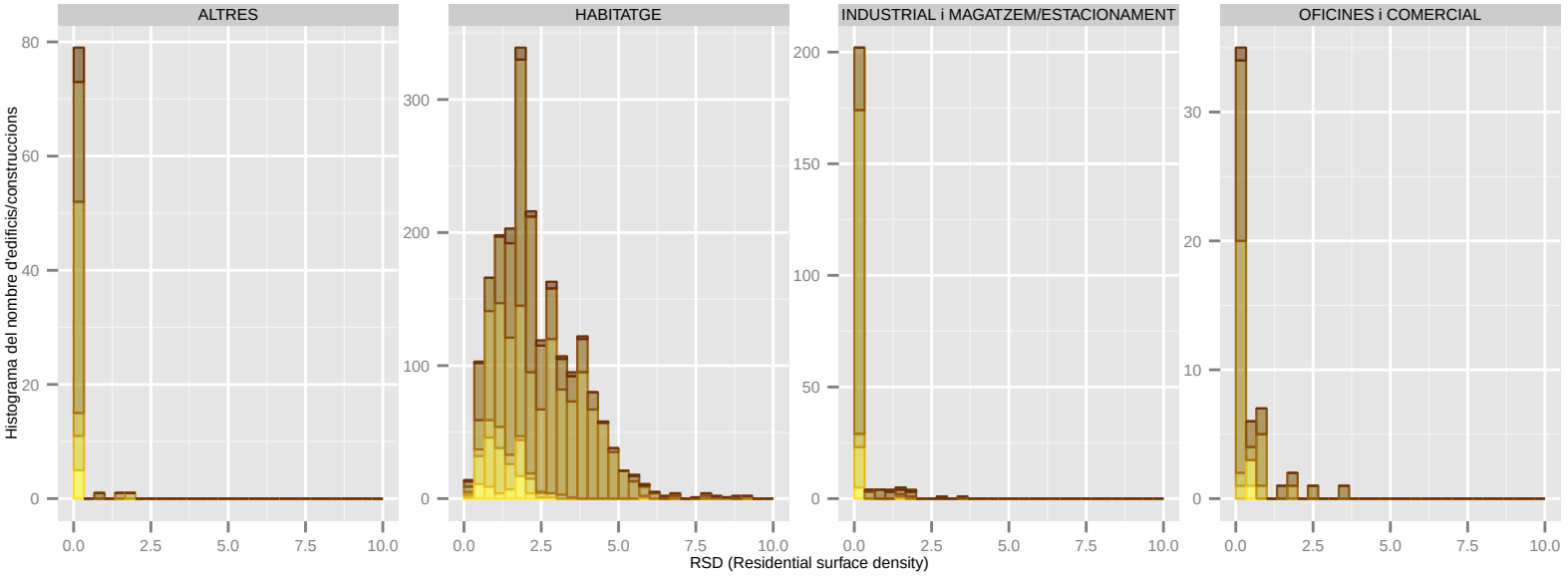
RSD (Residential surface density): ESPLUGUES DE LLOBREGAT





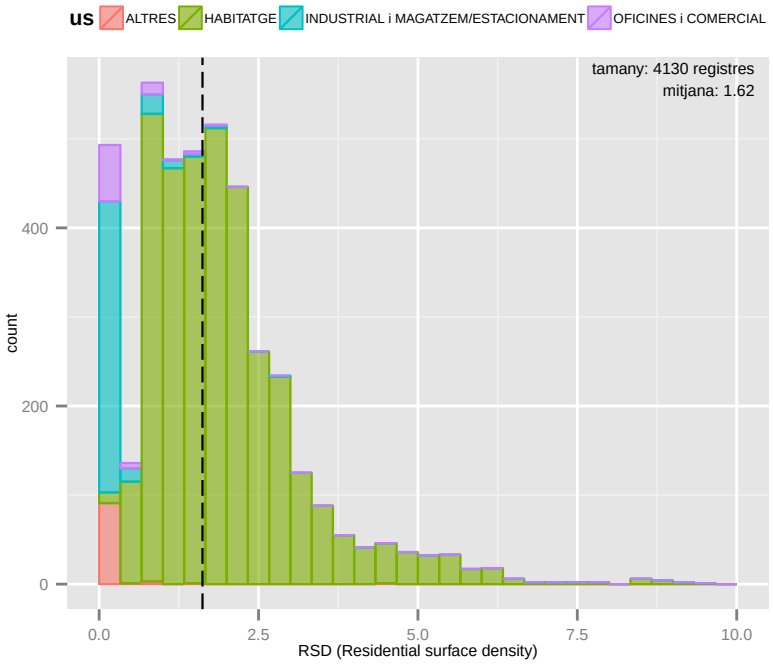


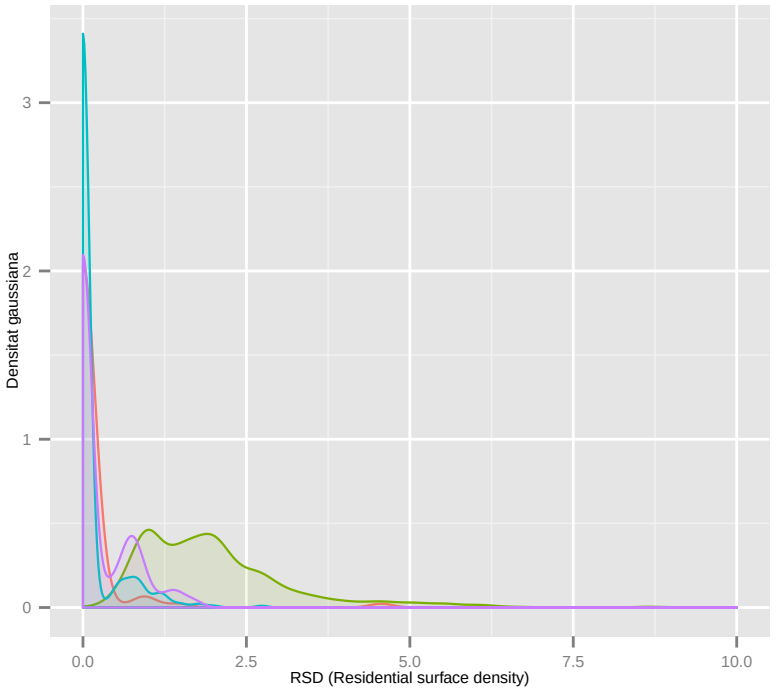


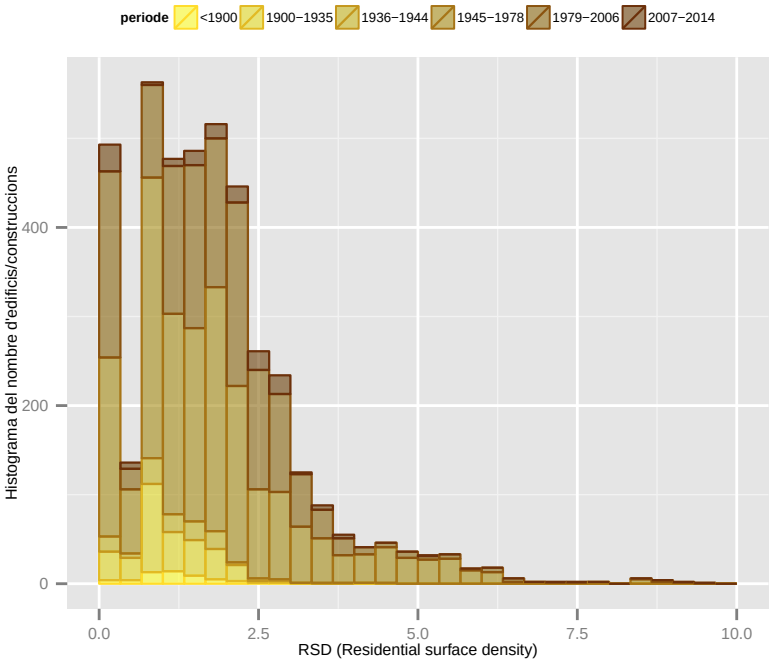


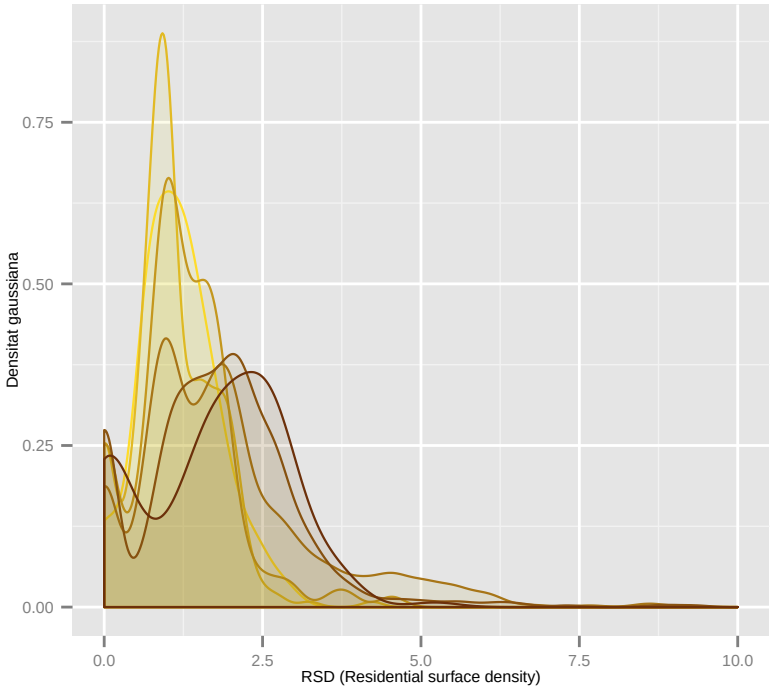
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

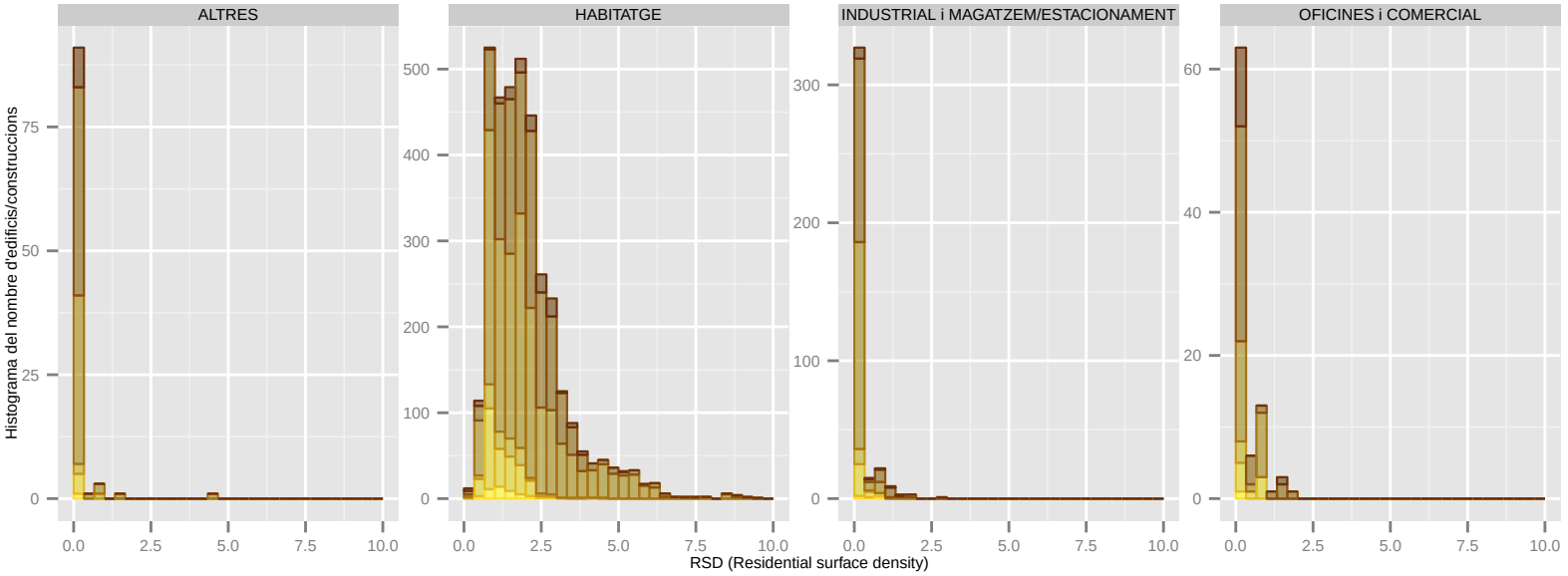
RSD (Residential surface density): GAVA





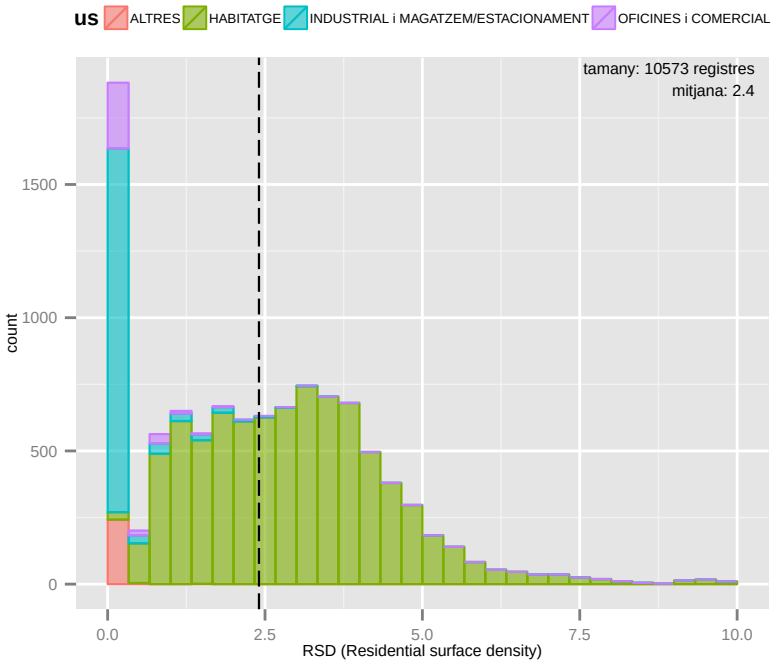


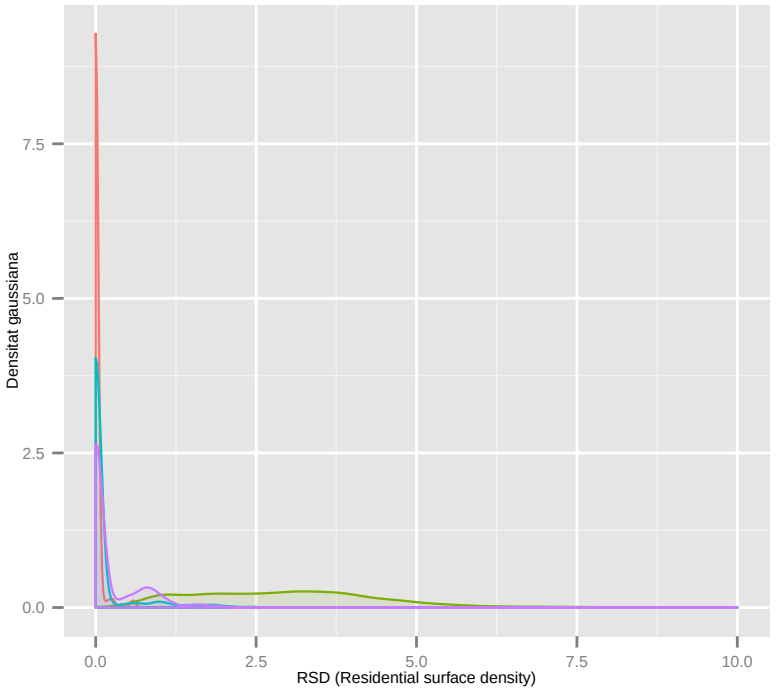


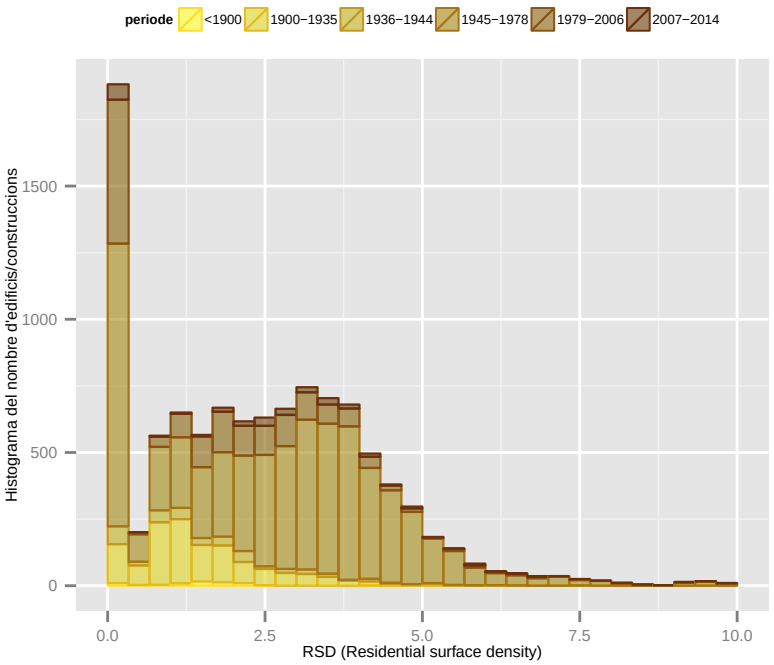


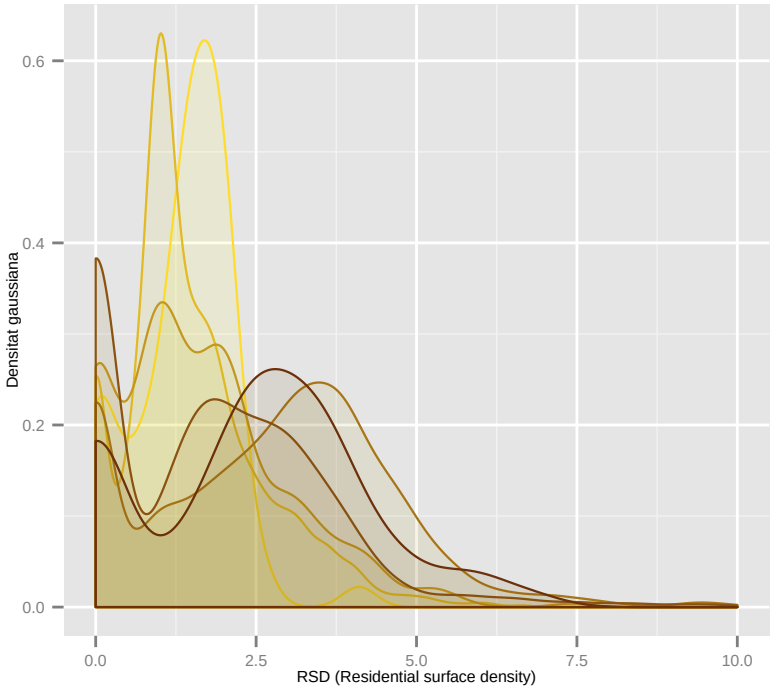
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

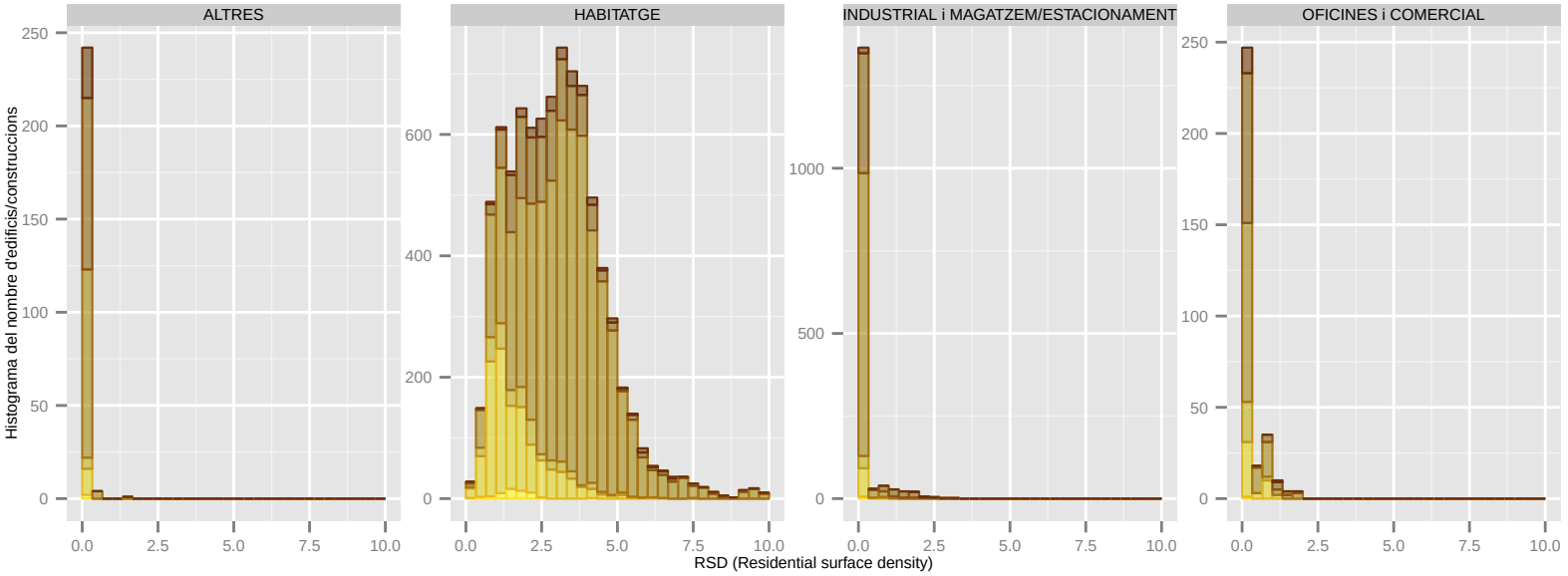
RSD (Residential surface density): L'HOSPITALET DE LLOBREGAT





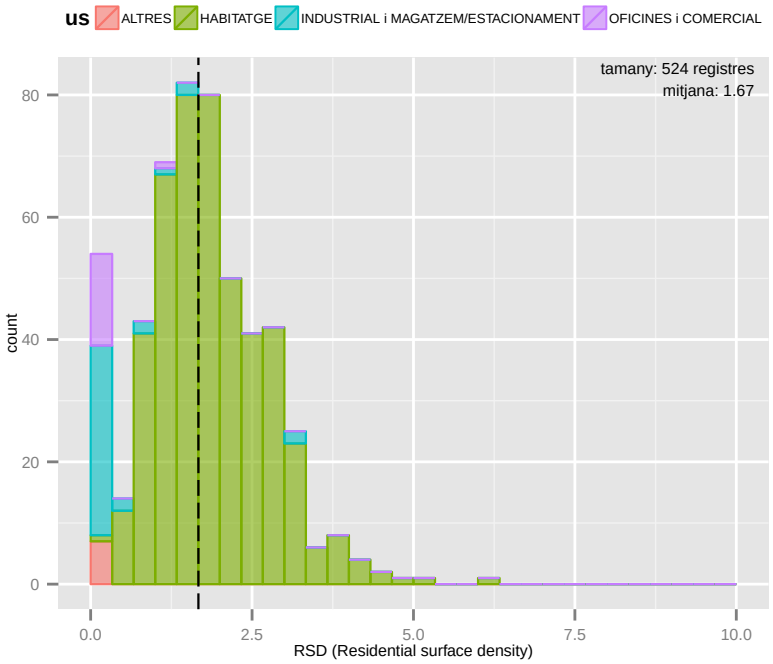


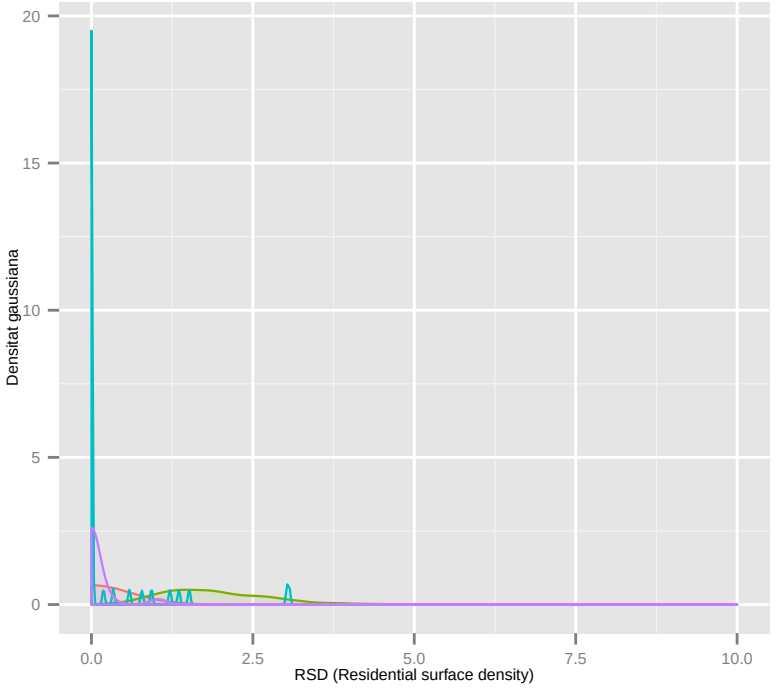


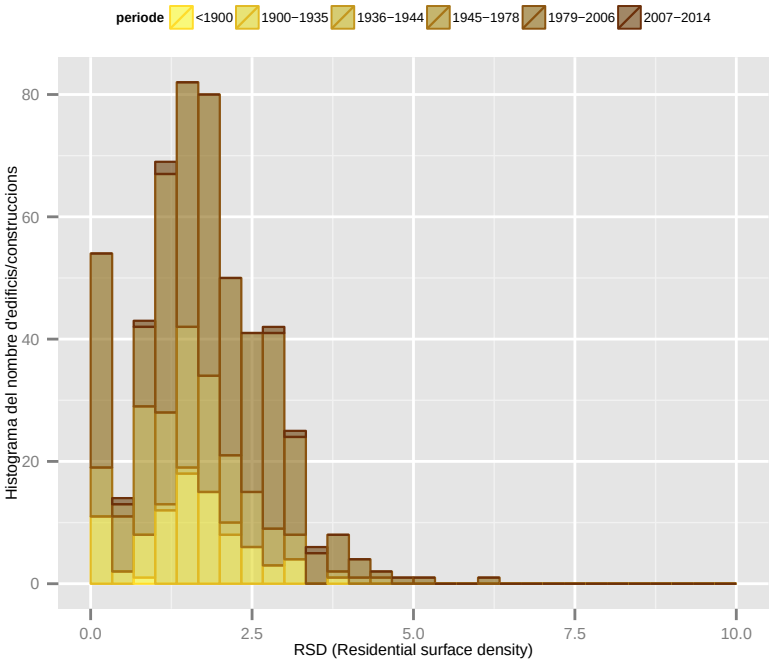


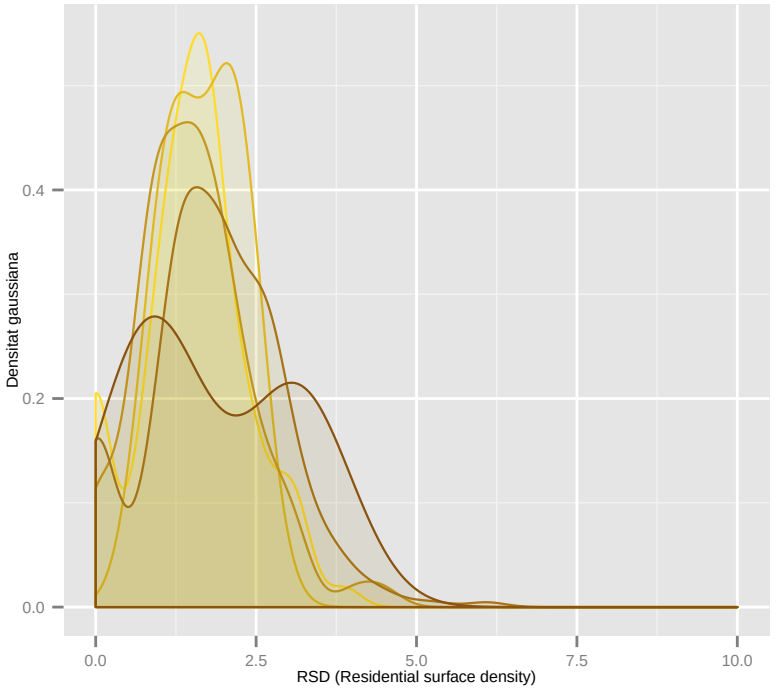
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

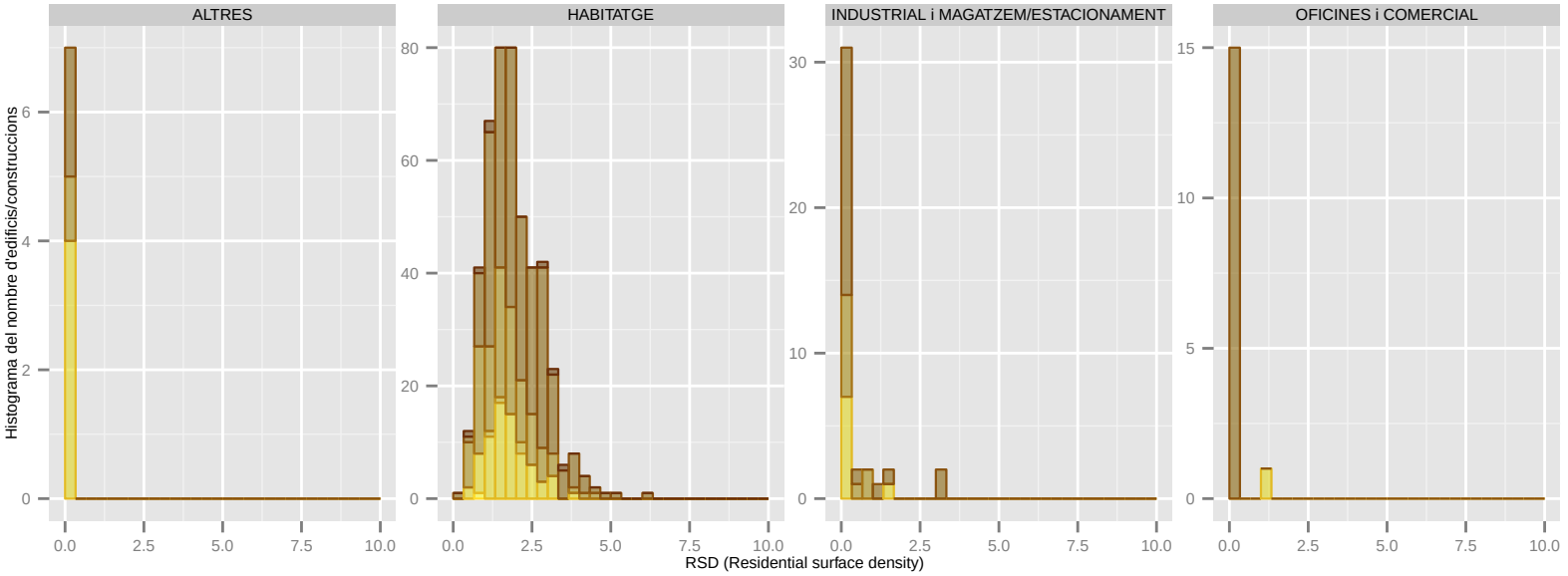
RSD (Residential surface density): LA PALMA DE CERVELLO





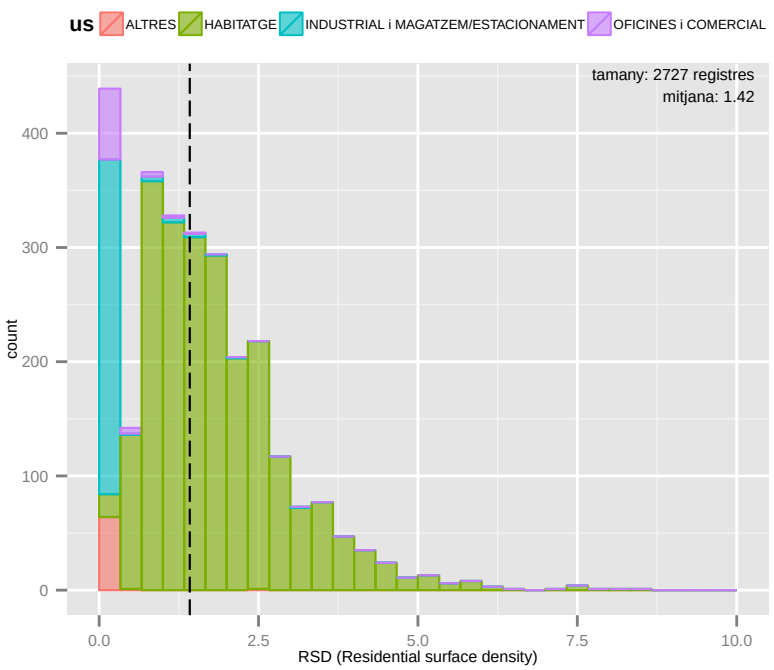


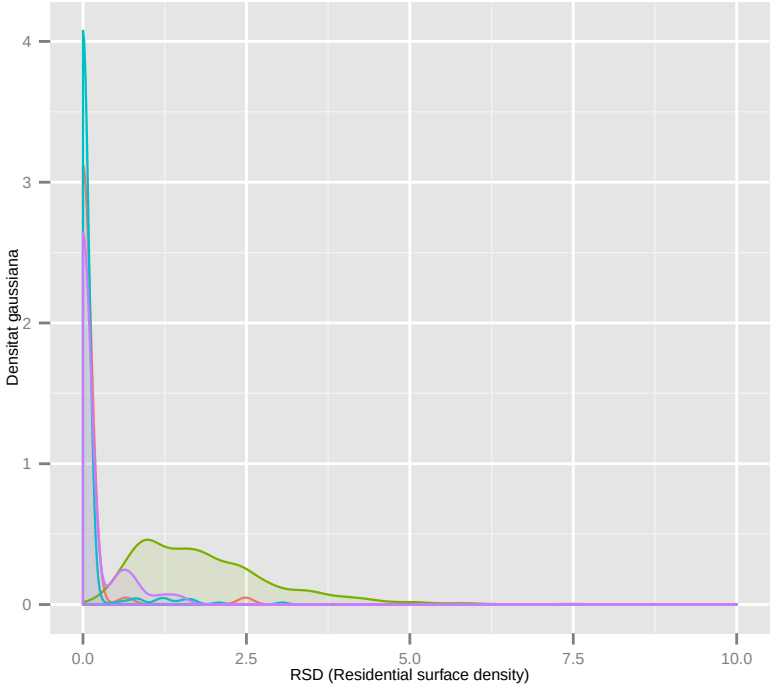


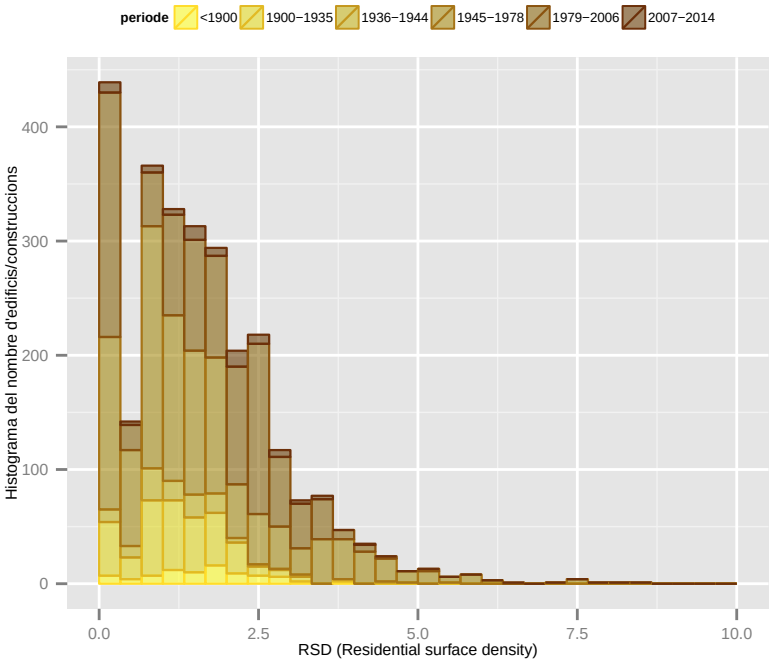


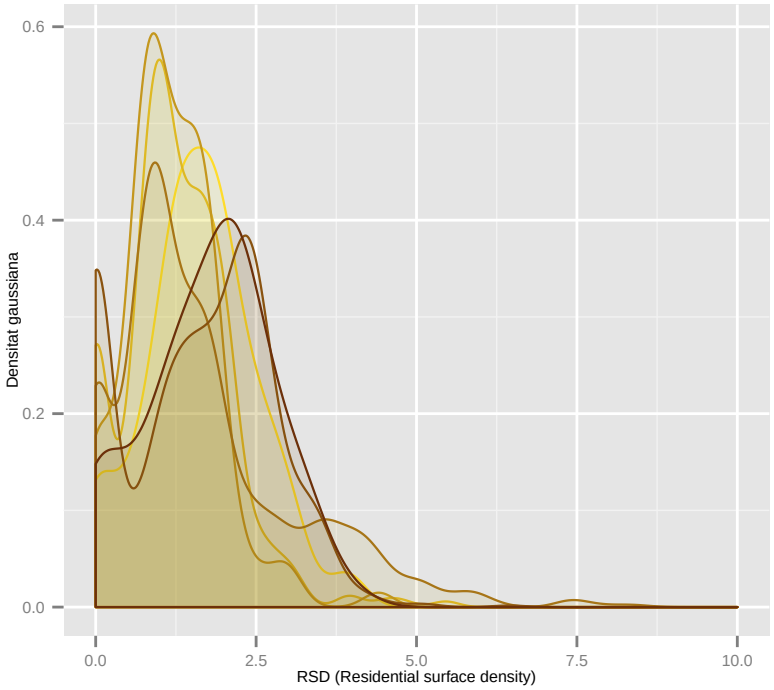
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

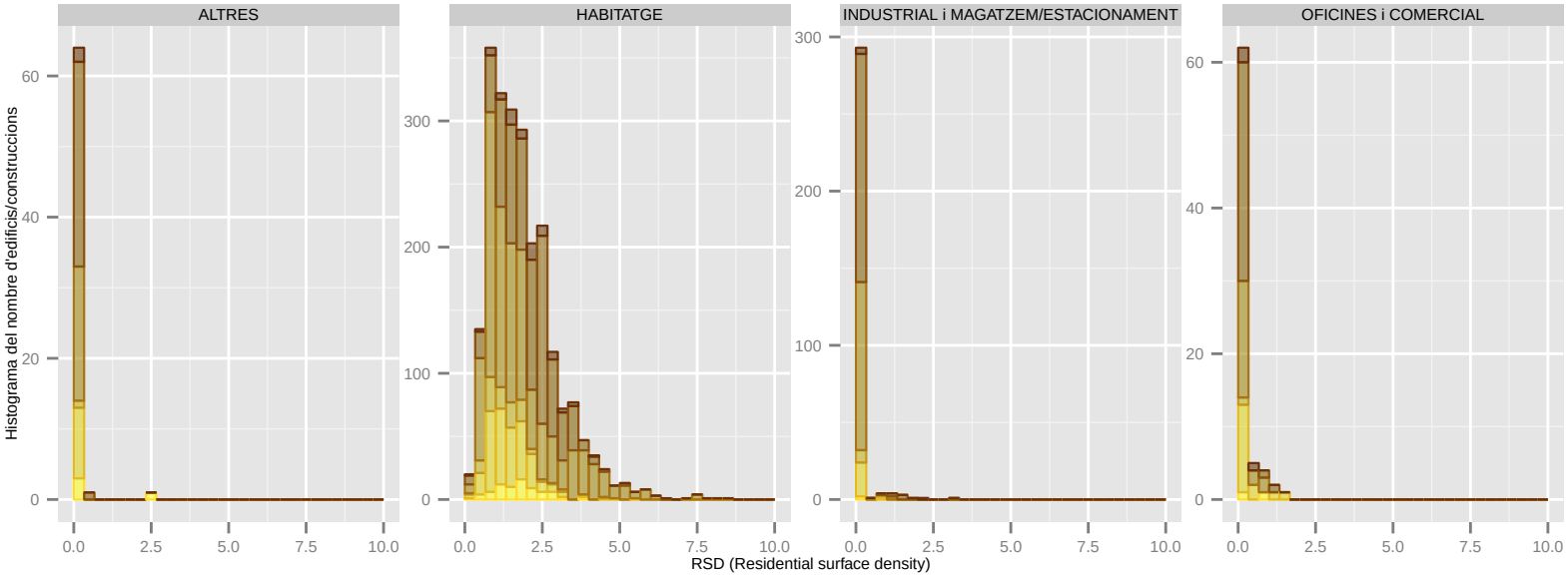
RSD (Residential surface density): MOLINS DE REI





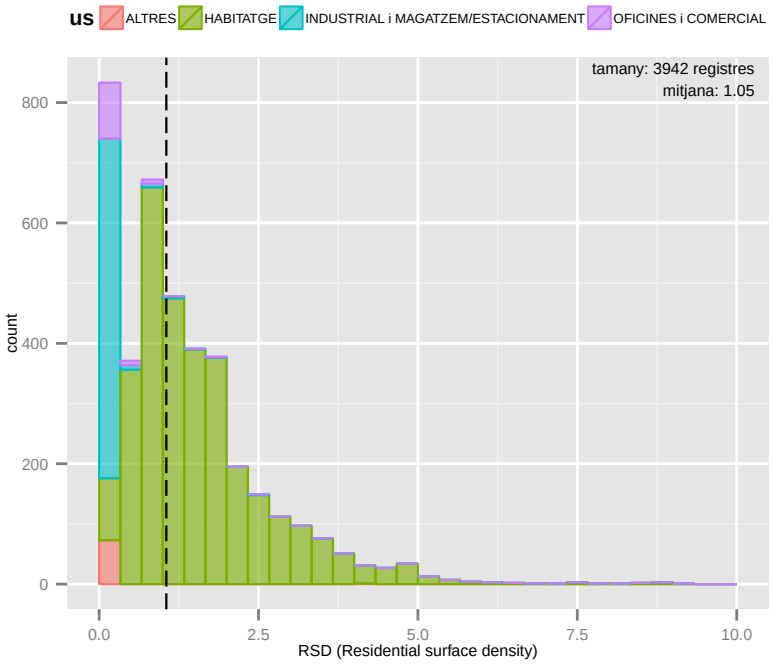


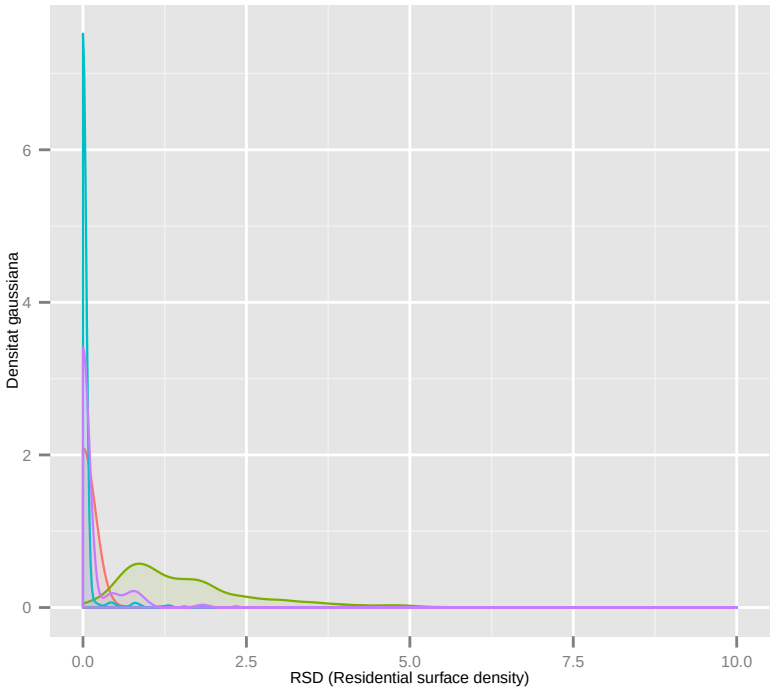


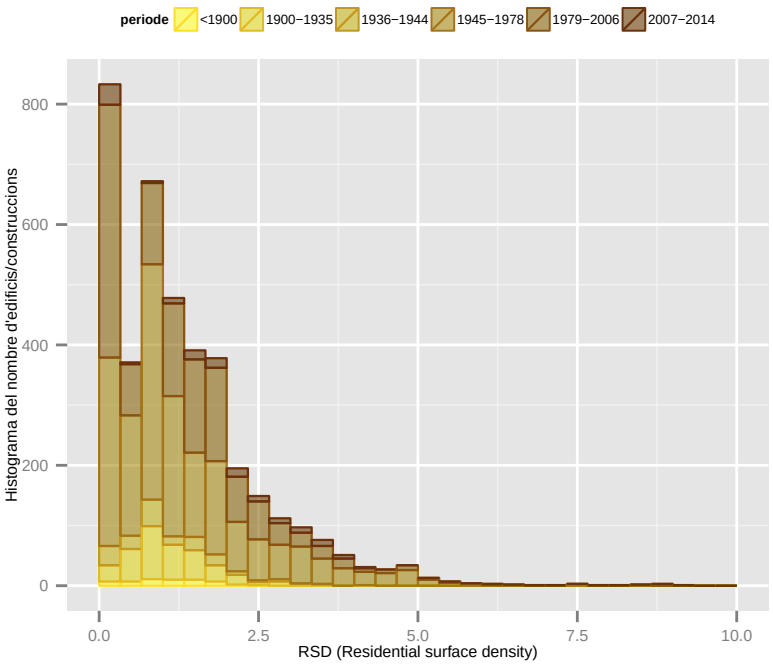


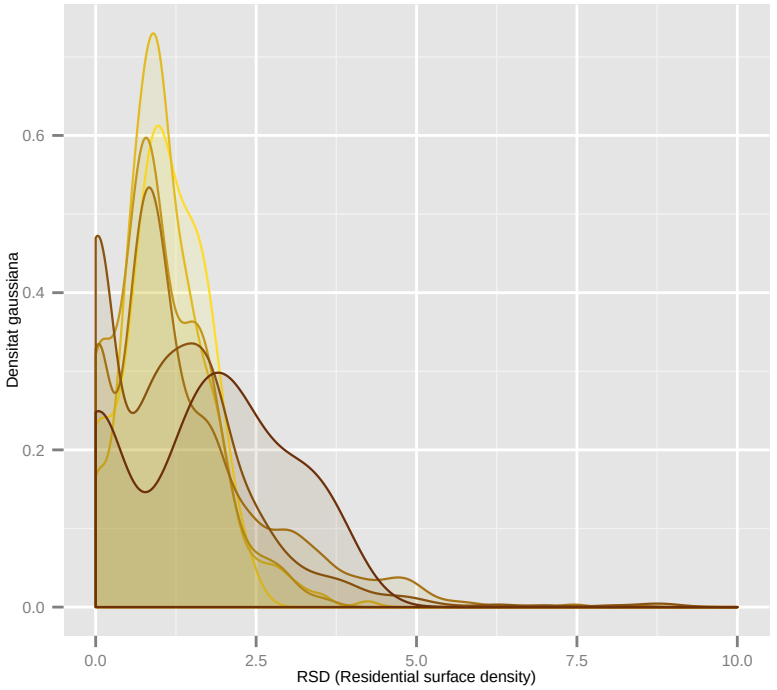
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

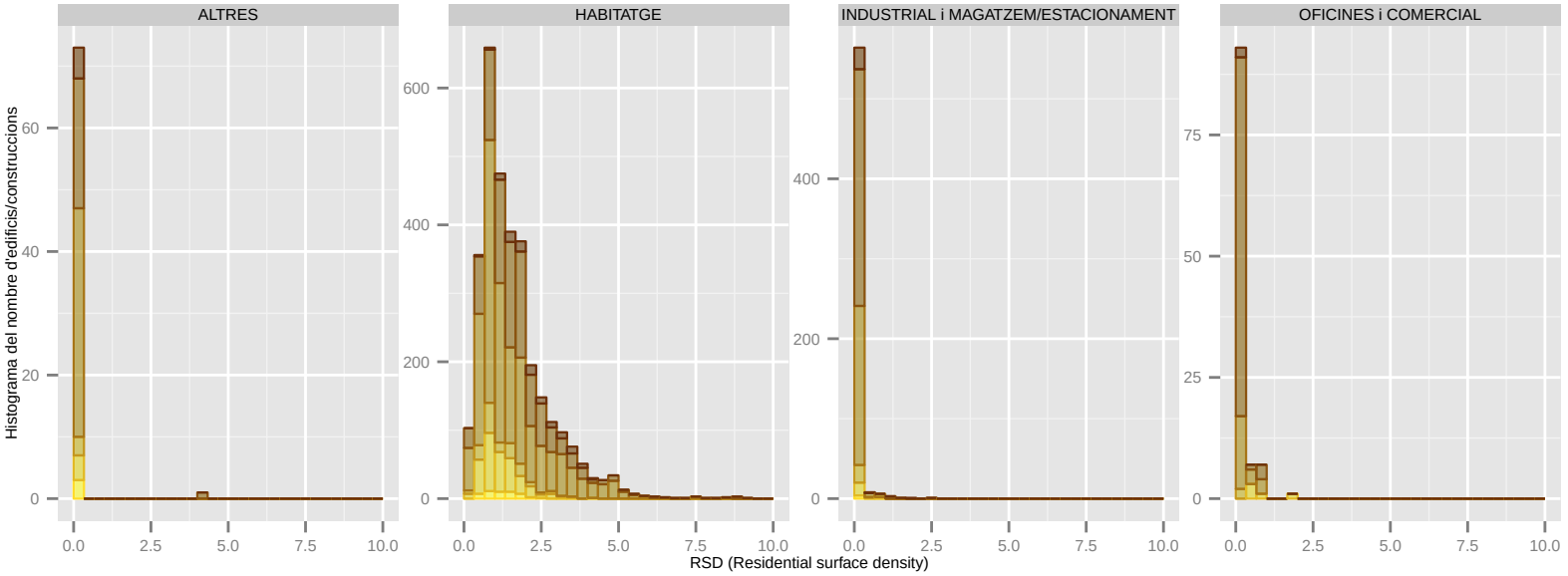
RSD (Residential surface density): MONTCADA I REIXAC





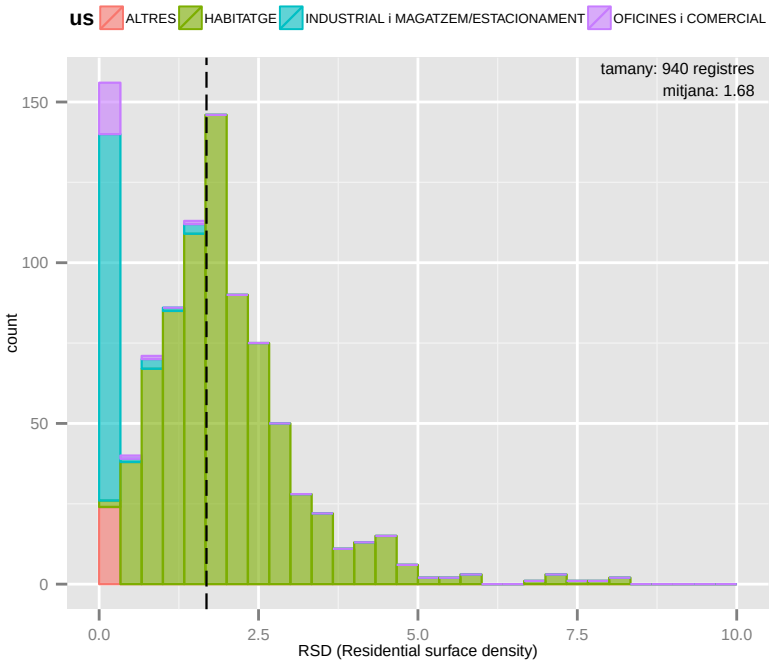


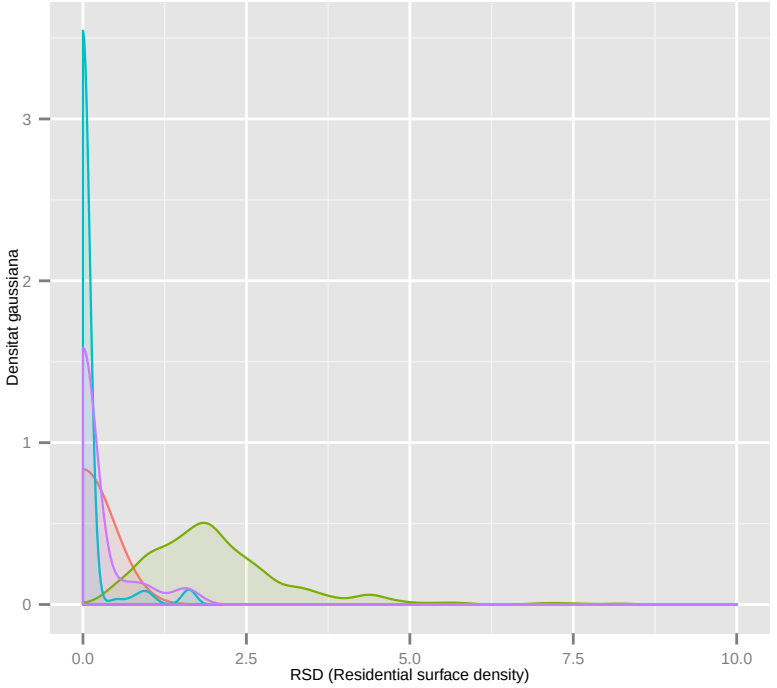


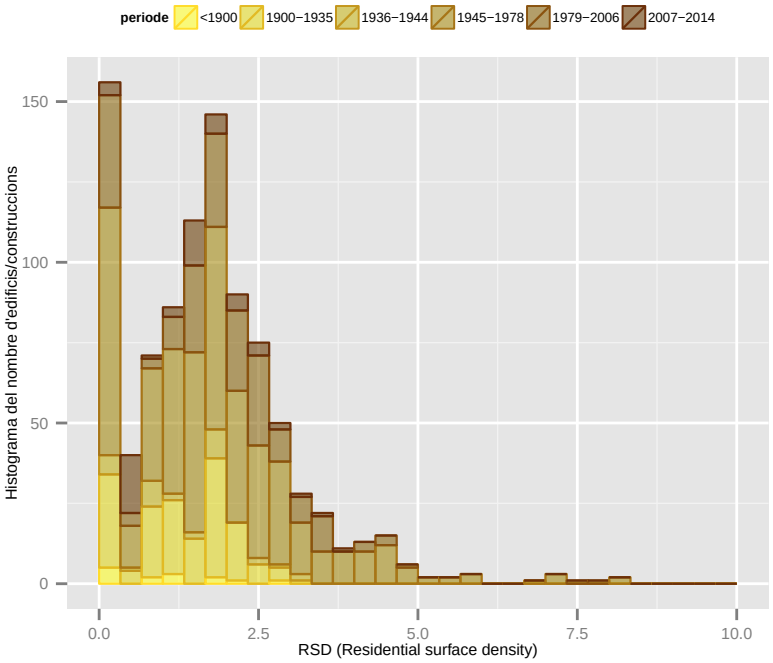


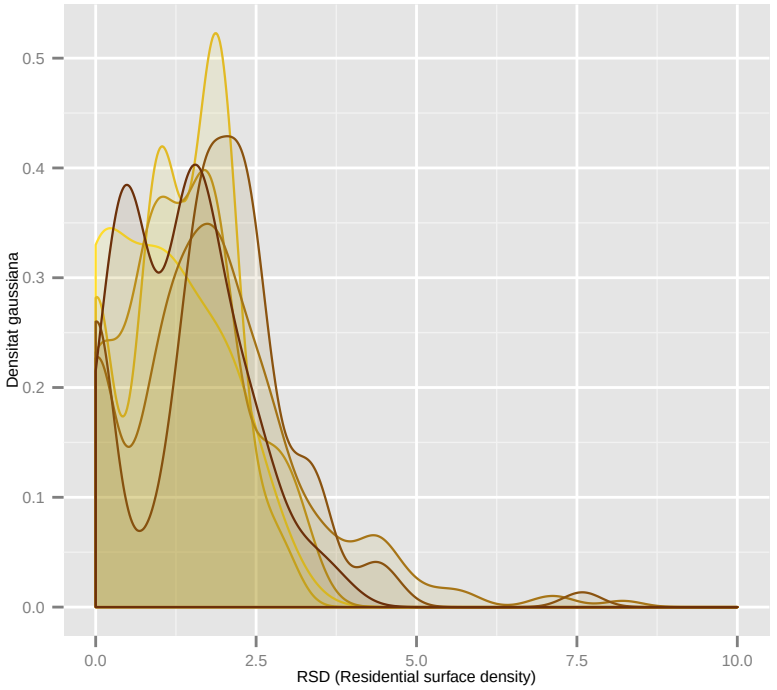
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

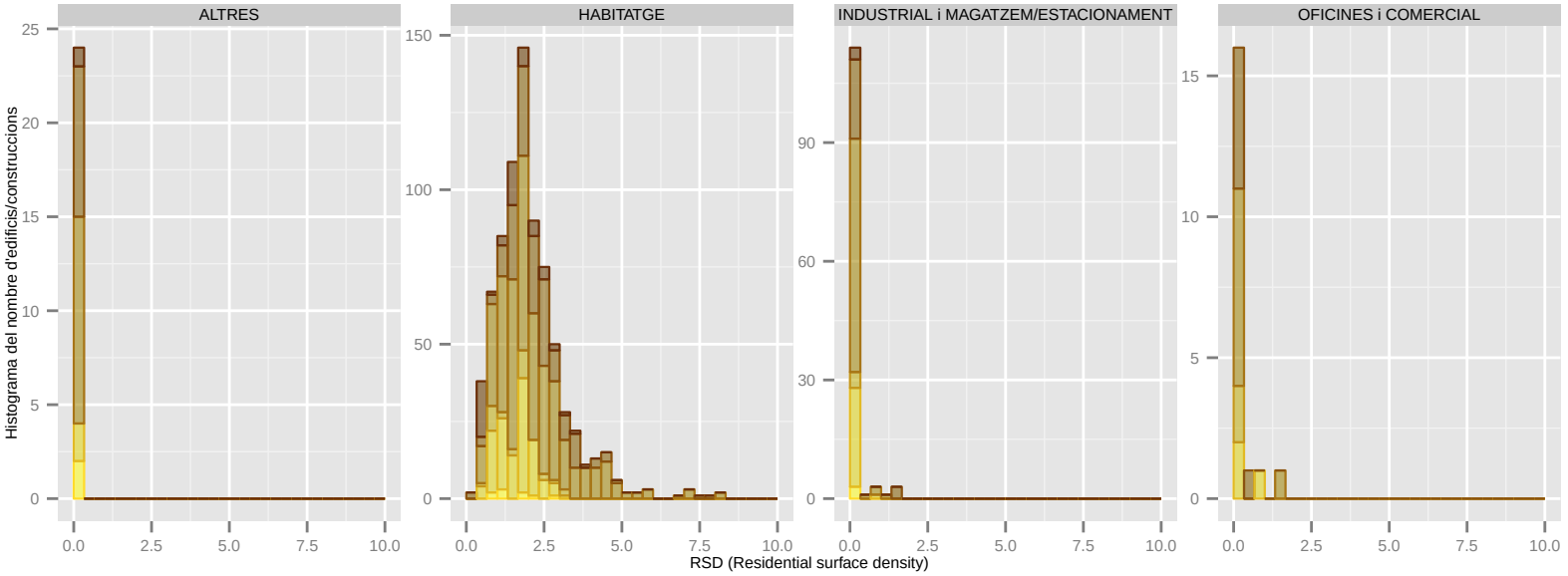
RSD (Residential surface density): MONTGAT





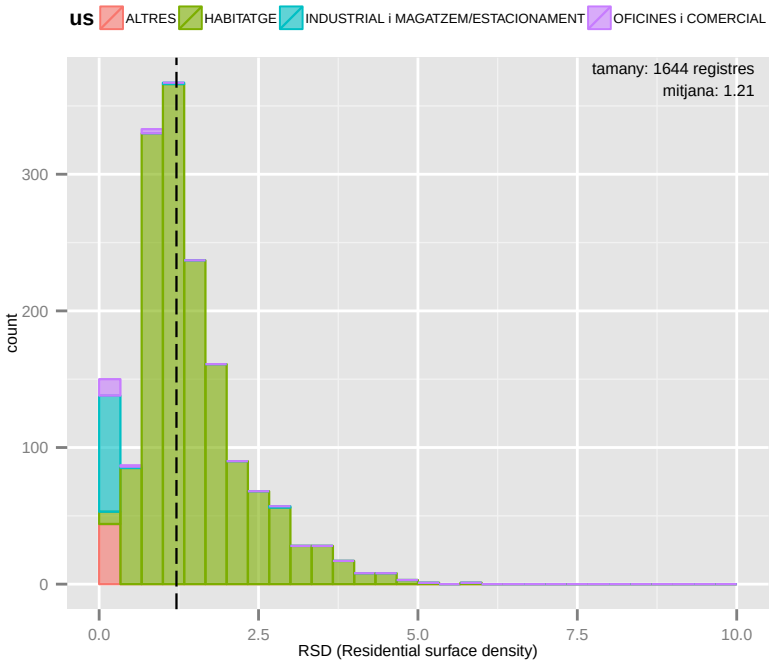


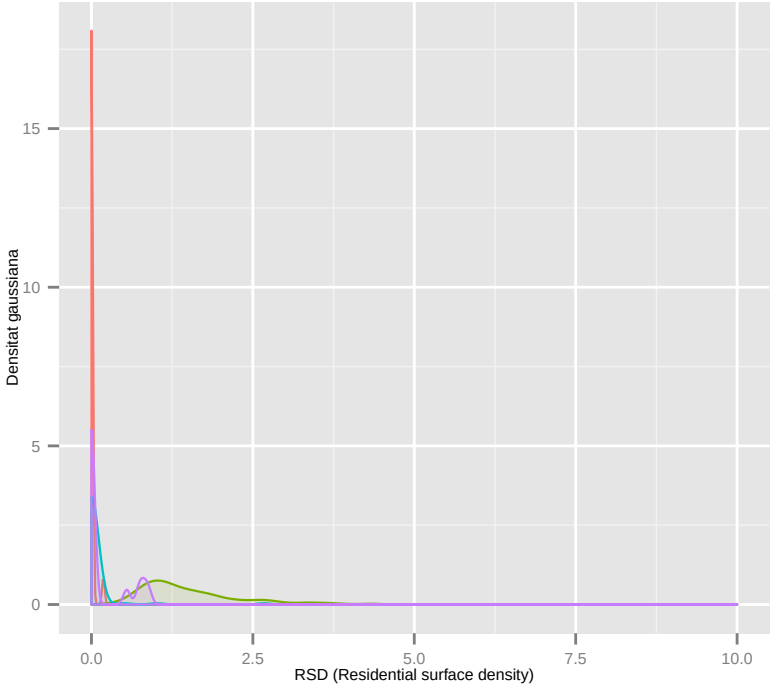


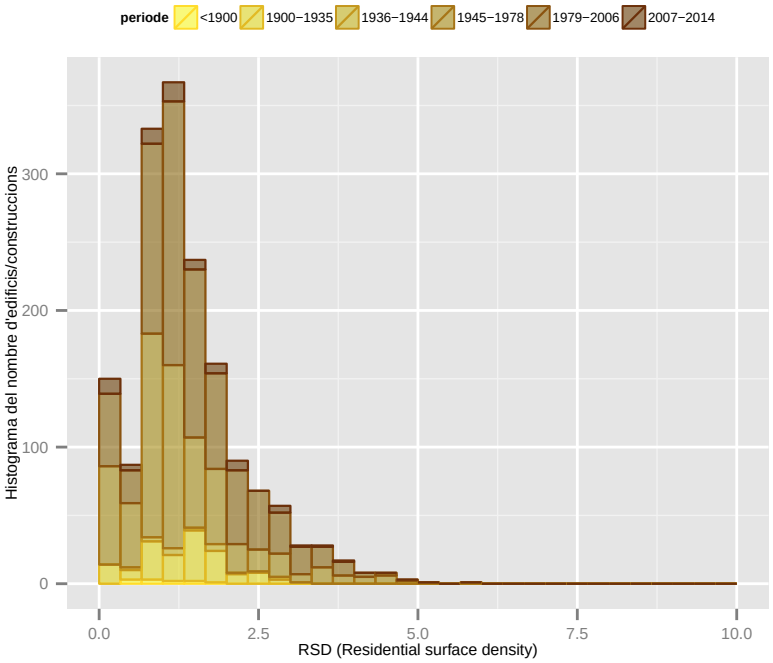


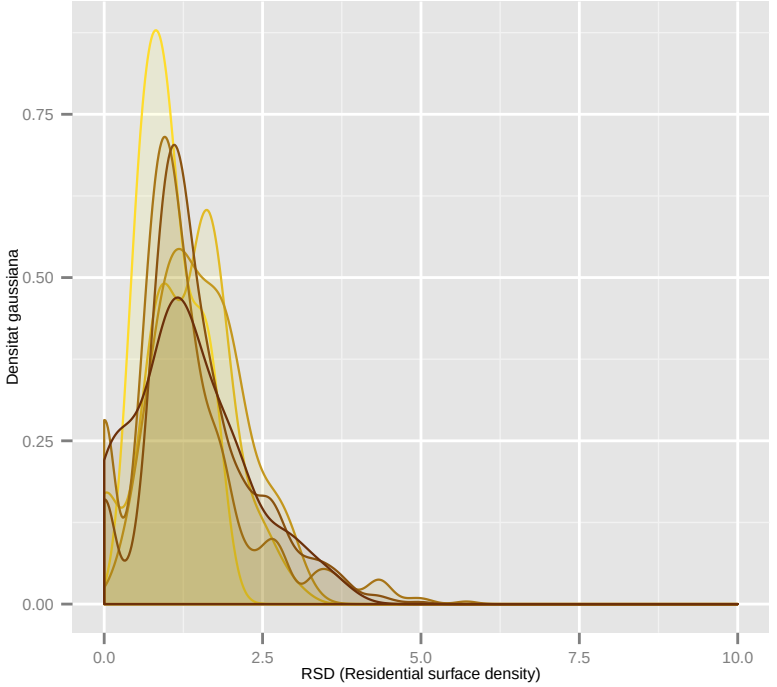
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

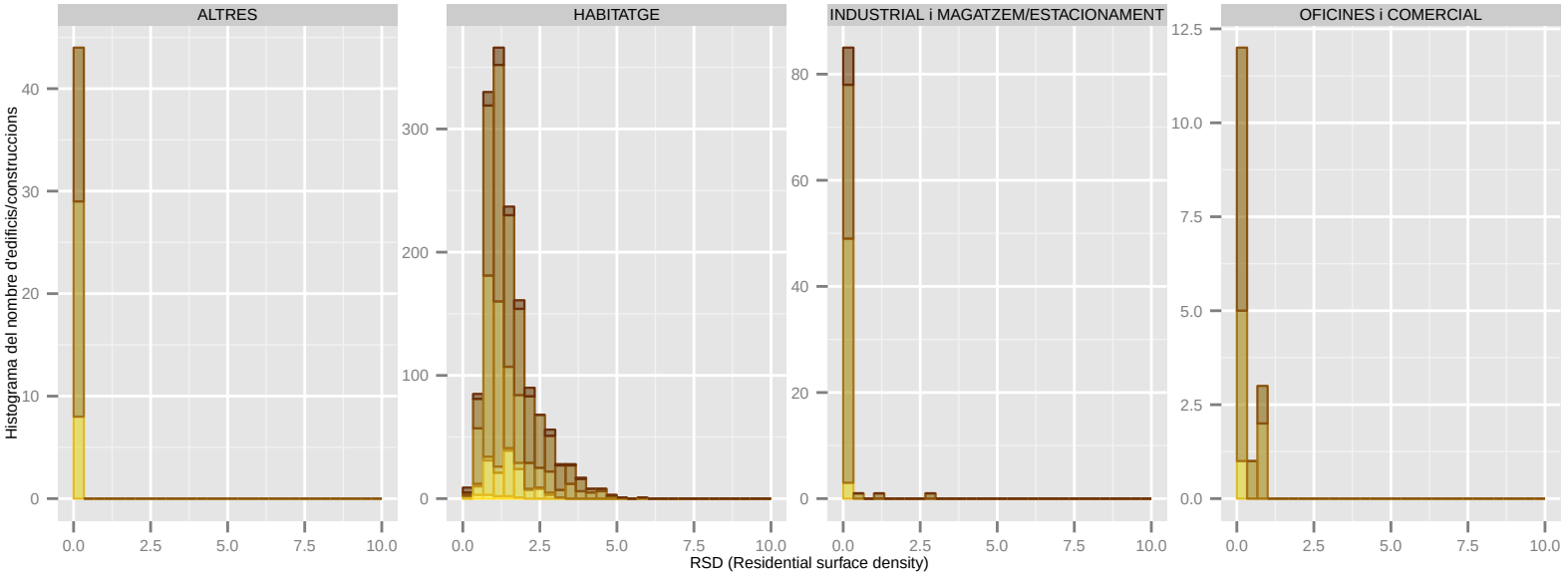
RSD (Residential surface density): PALLEJA





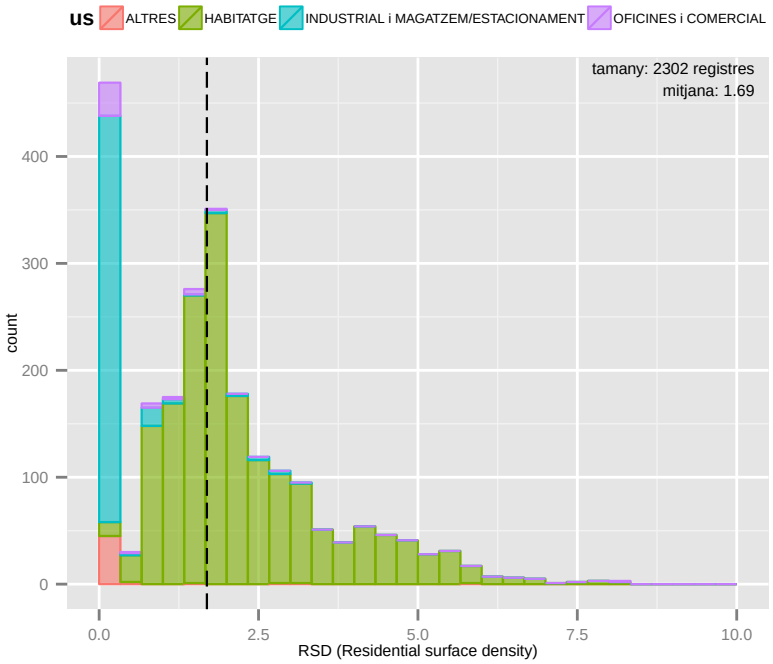


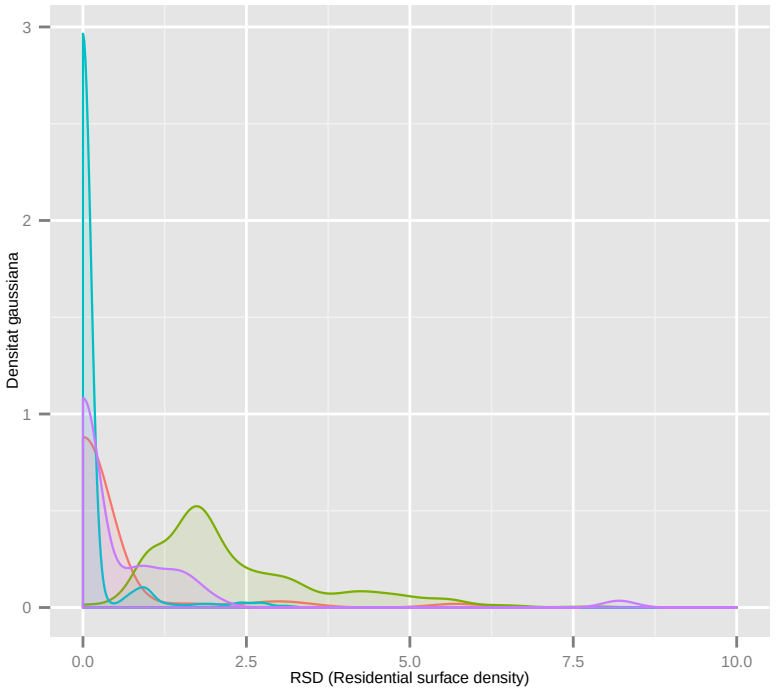


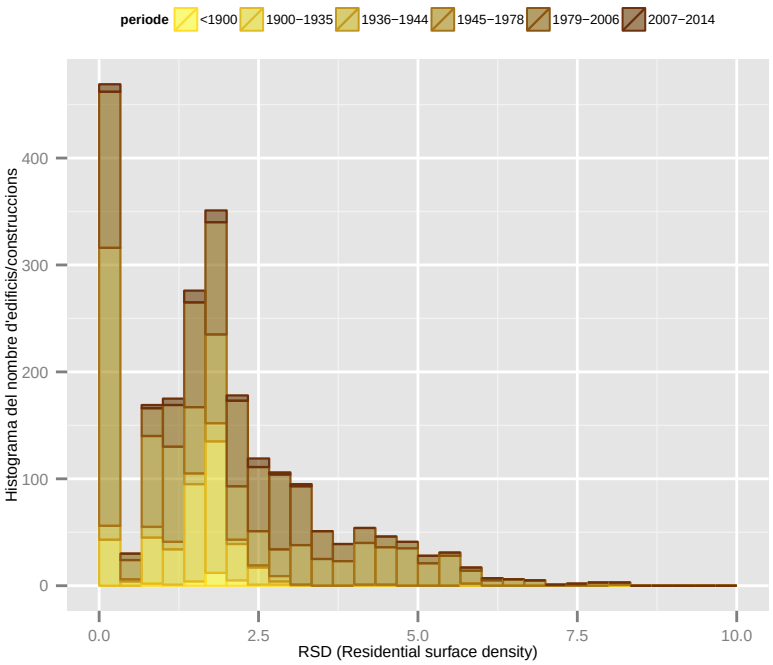


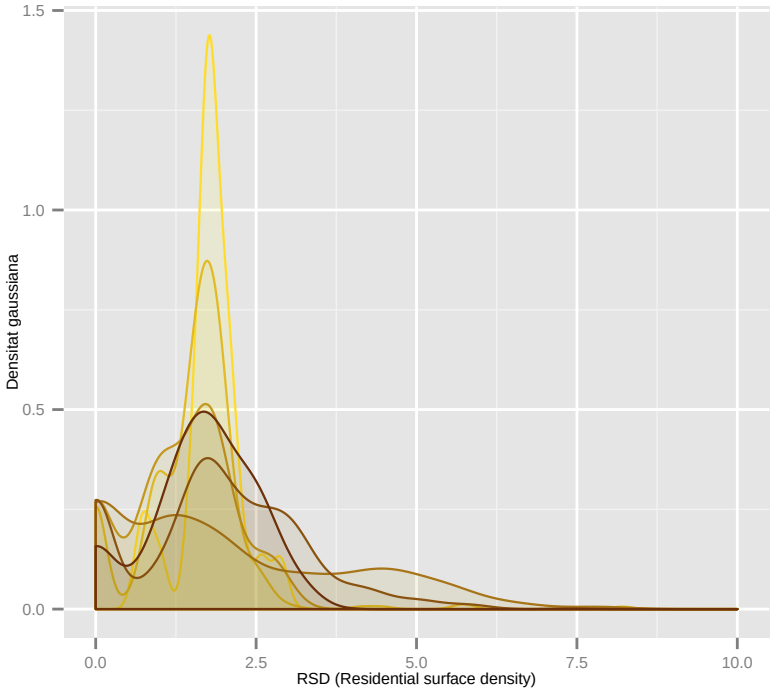
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

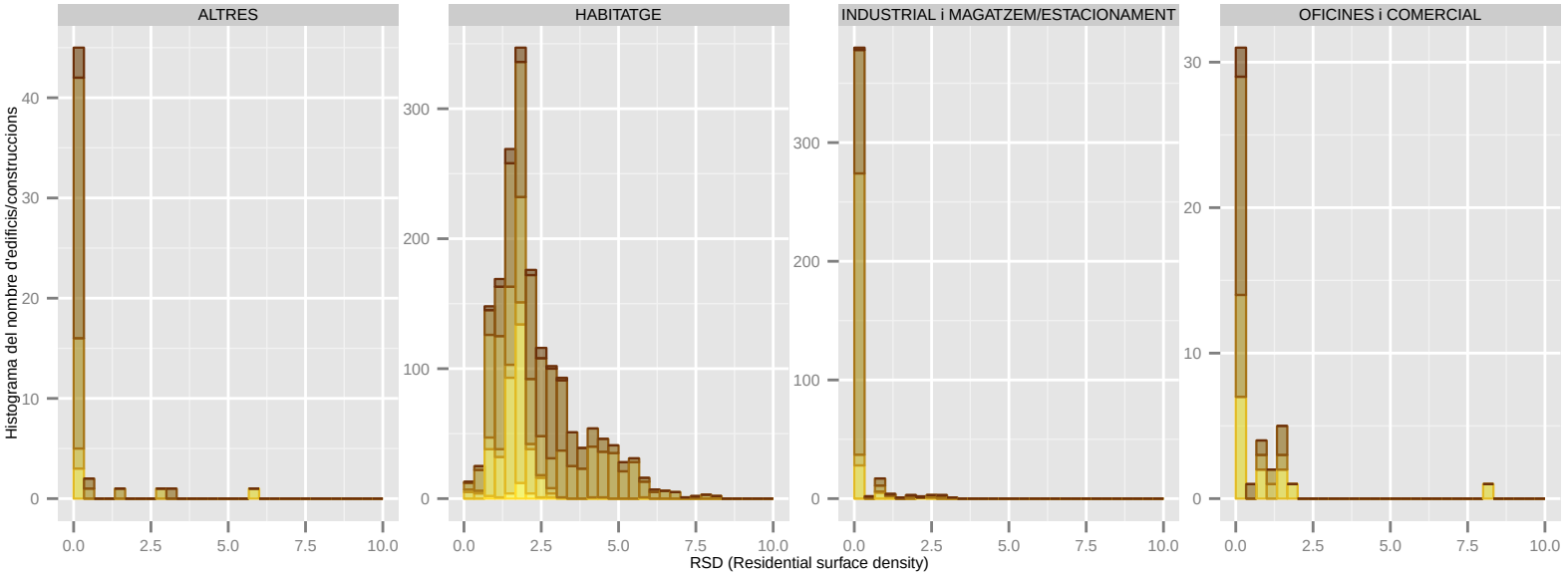
RSD (Residential surface density): RIPOLLET





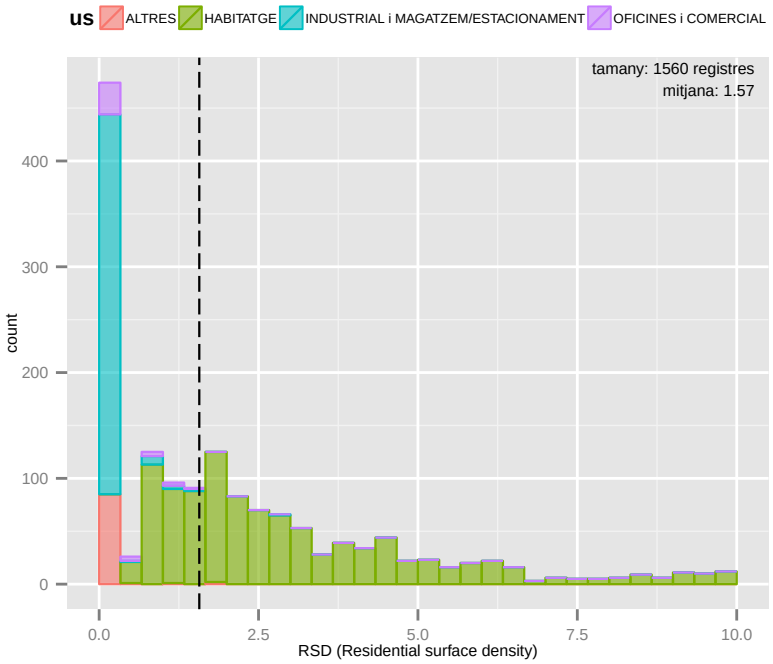


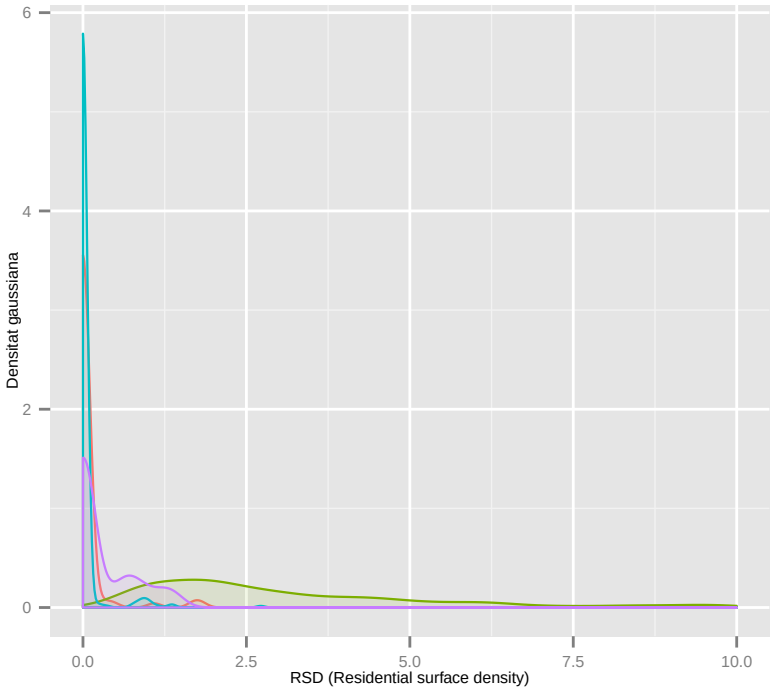


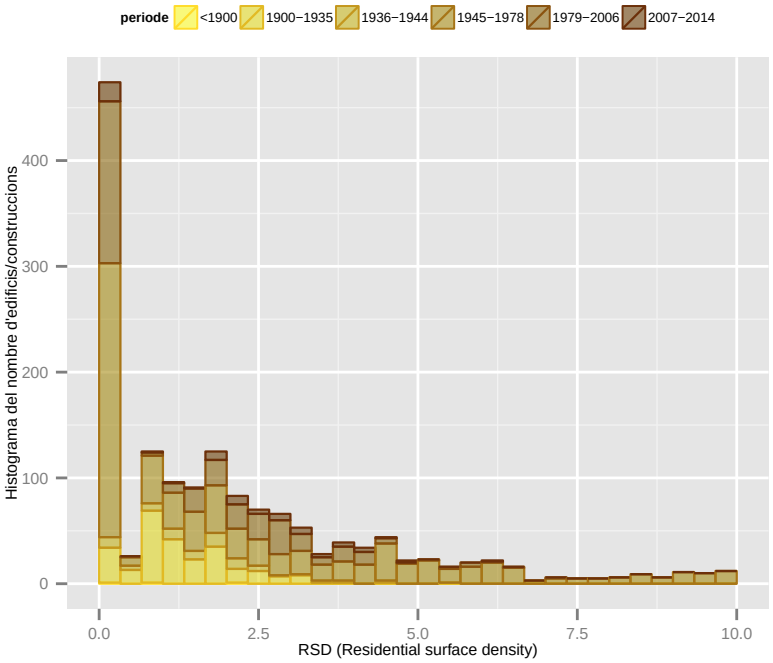


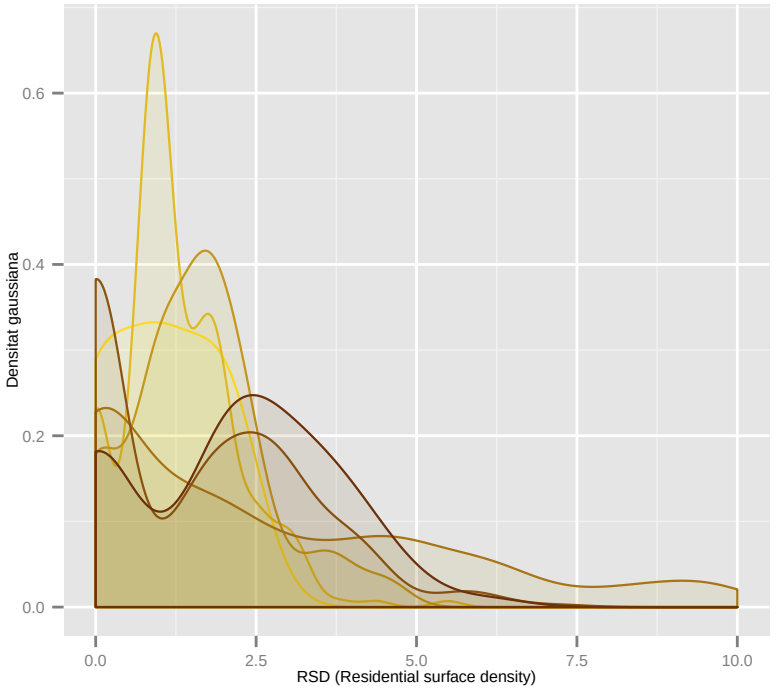
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

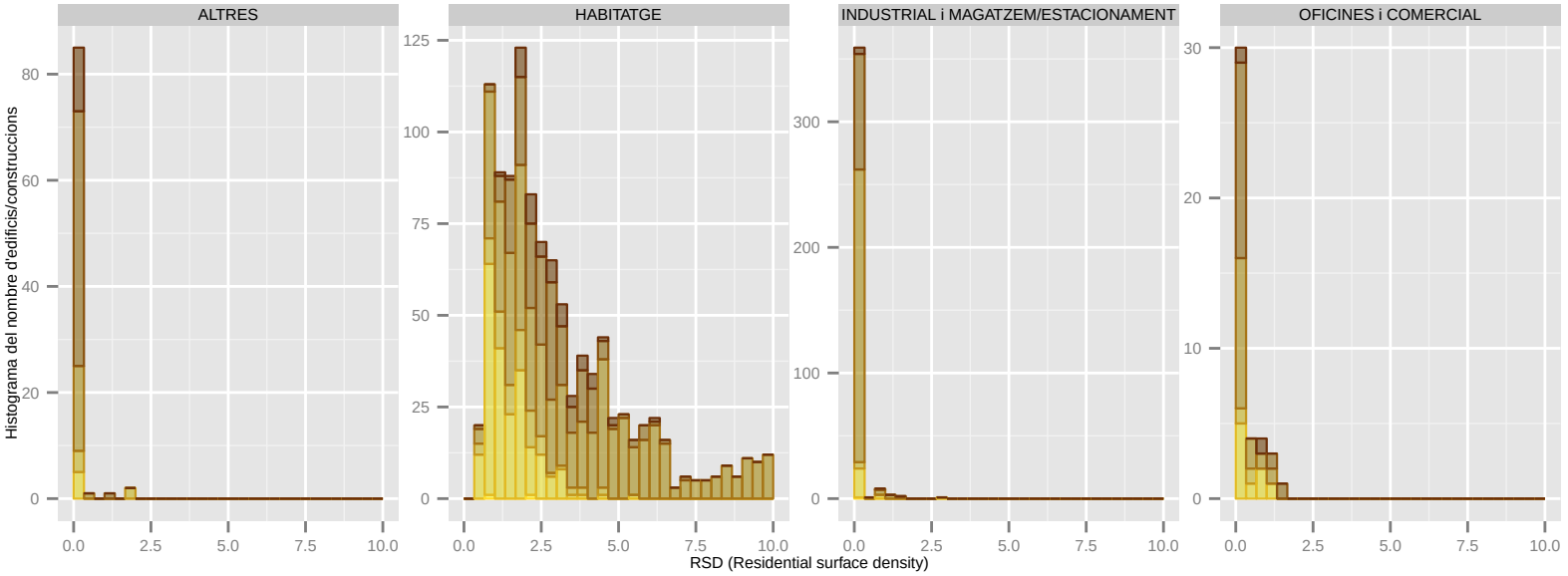
RSD (Residential surface density): SANT ADRIA DE BESOS





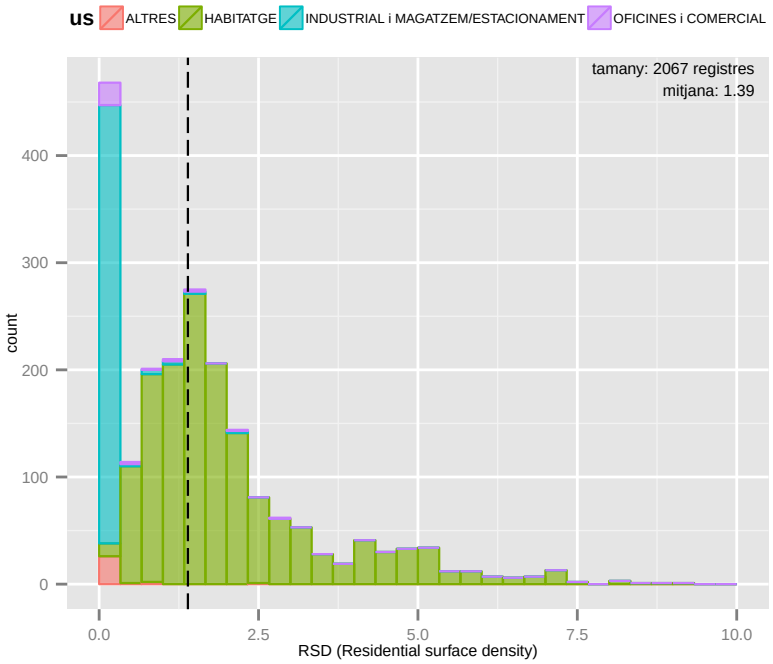


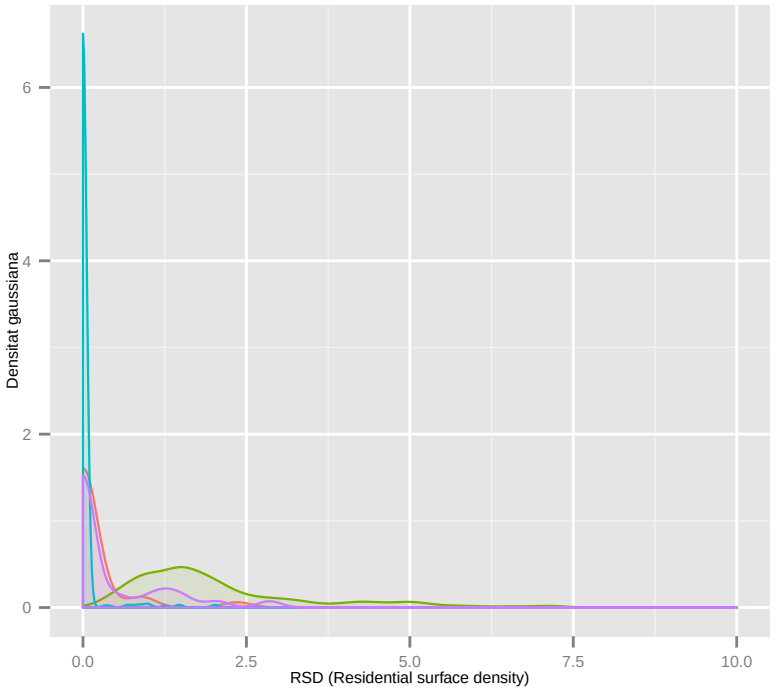


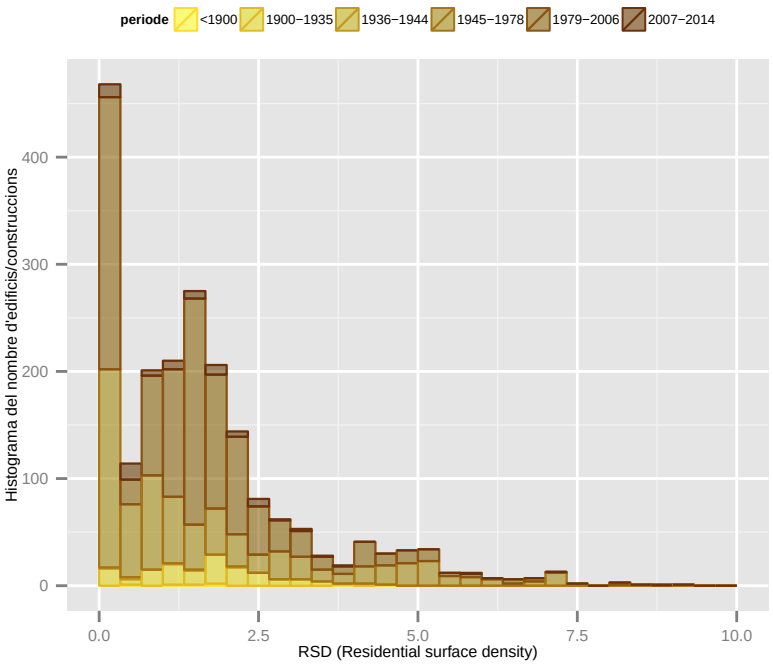


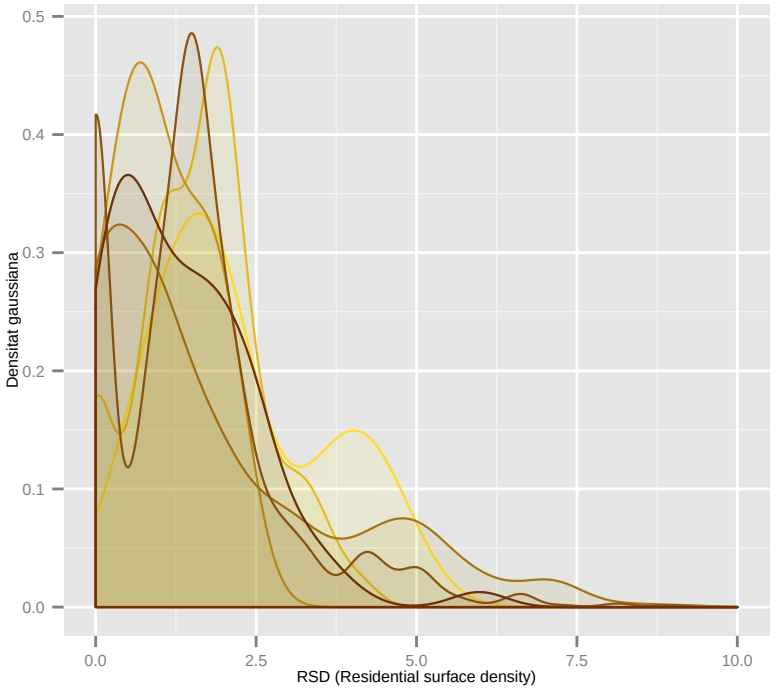
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

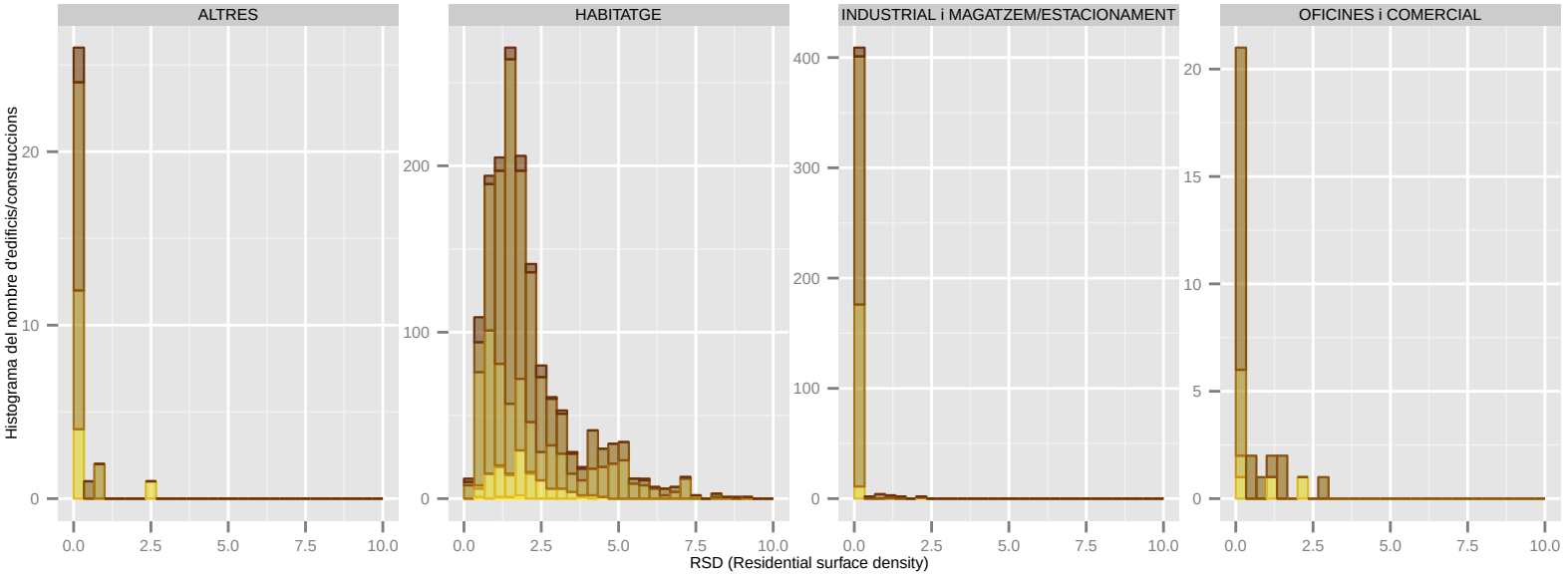
RSD (Residential surface density): SANT ANDREU DE LA BARCA





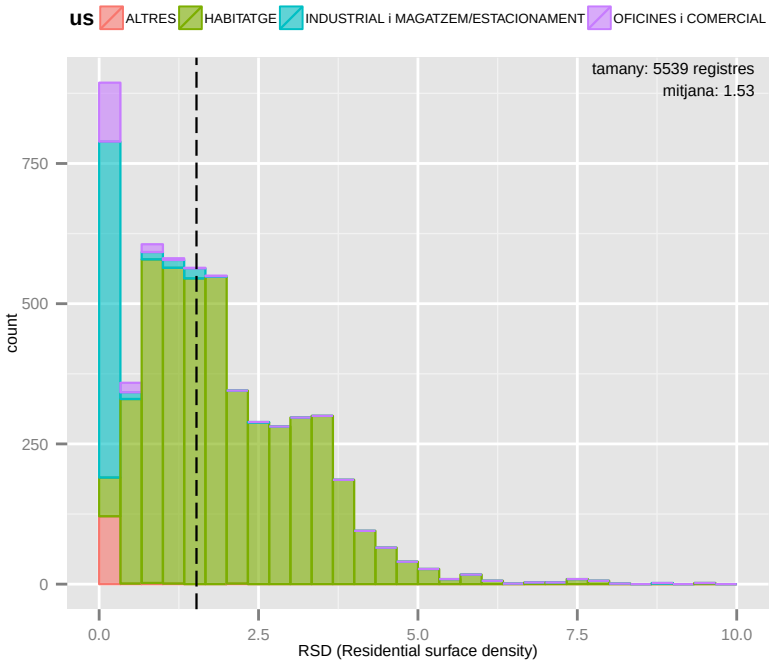


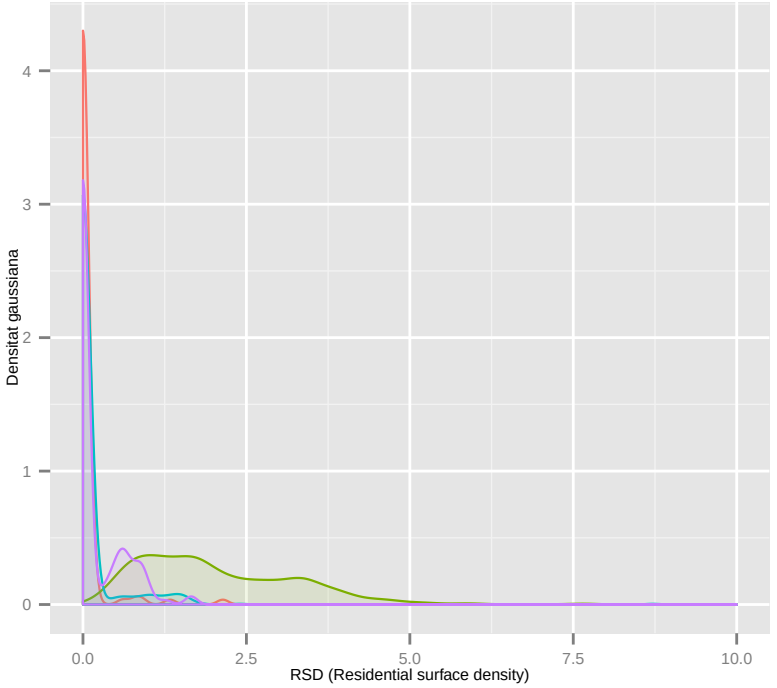


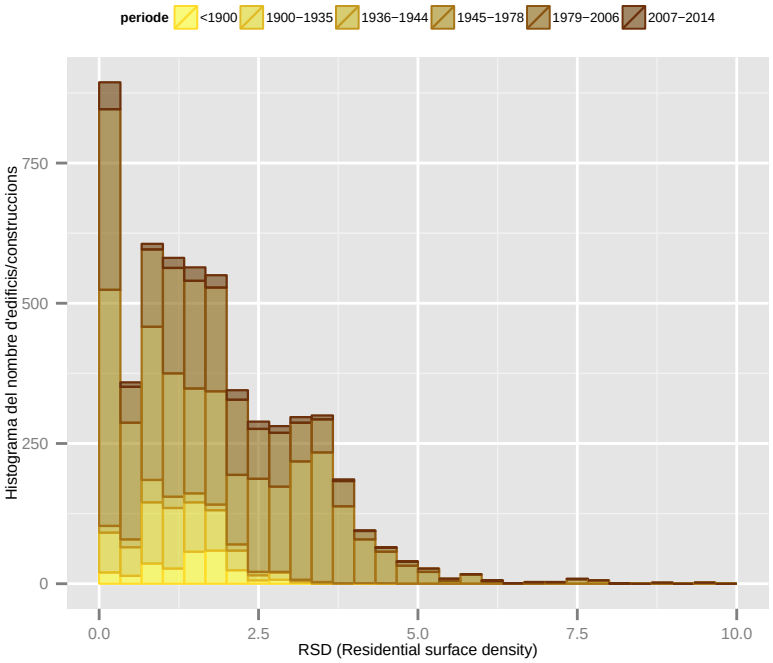


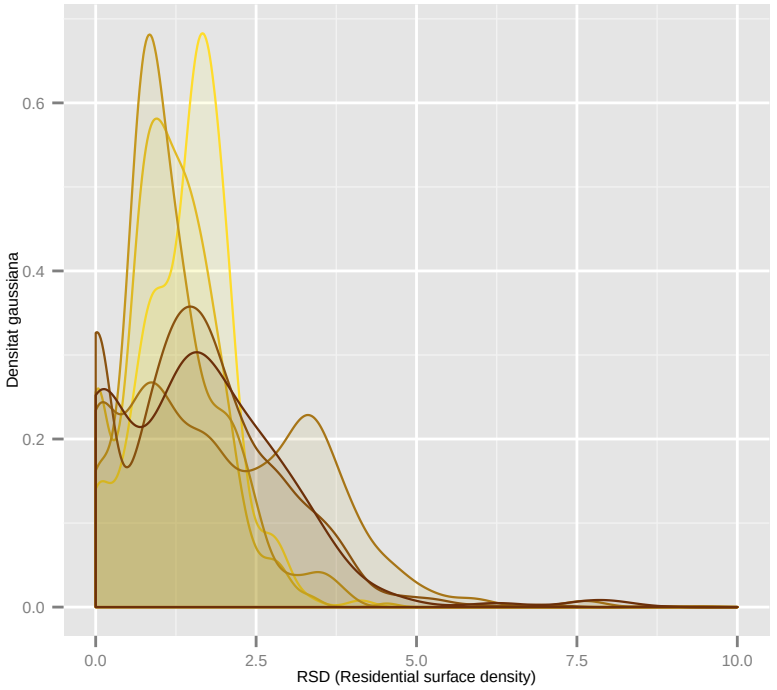
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

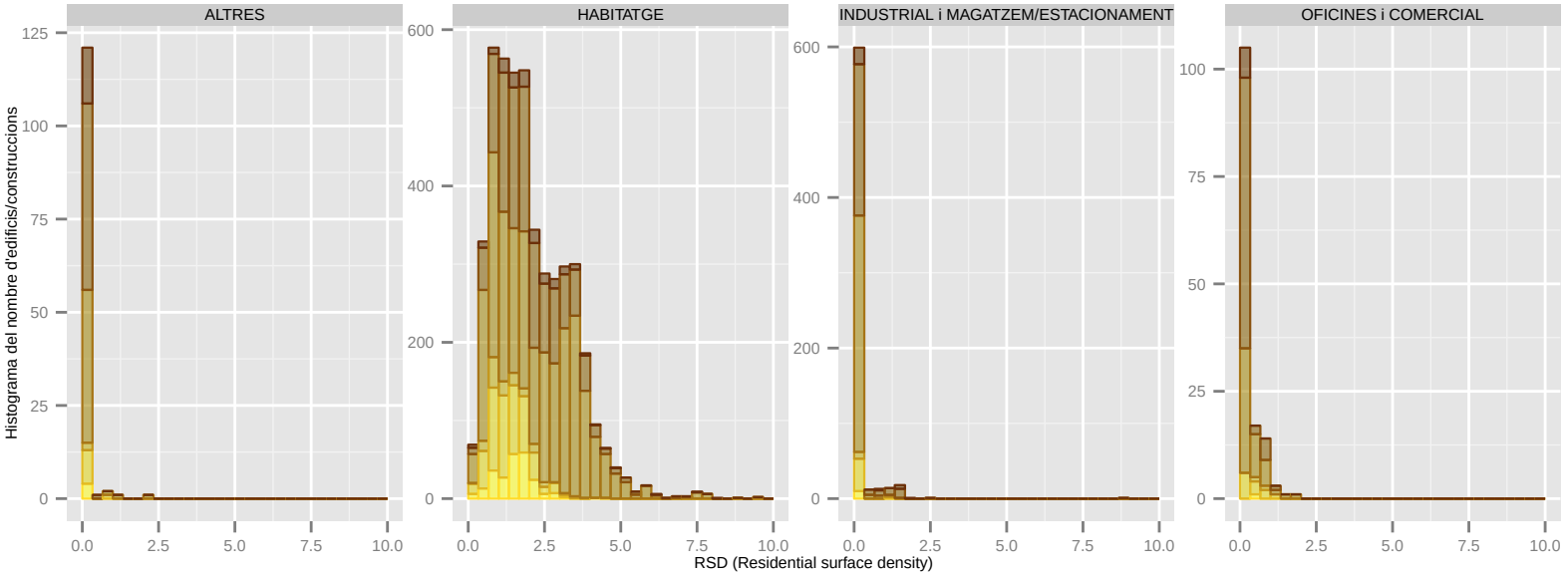
RSD (Residential surface density): SANT BOI DE LLOBREGAT





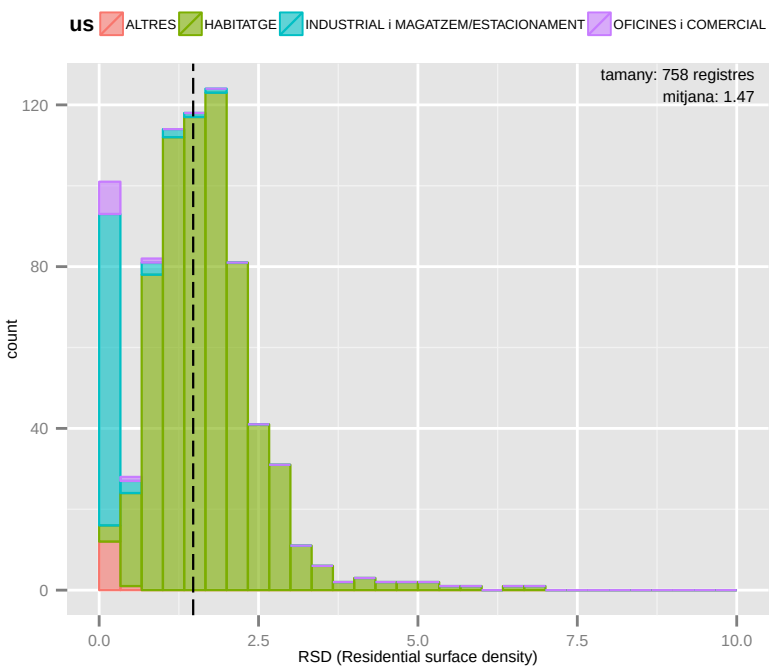


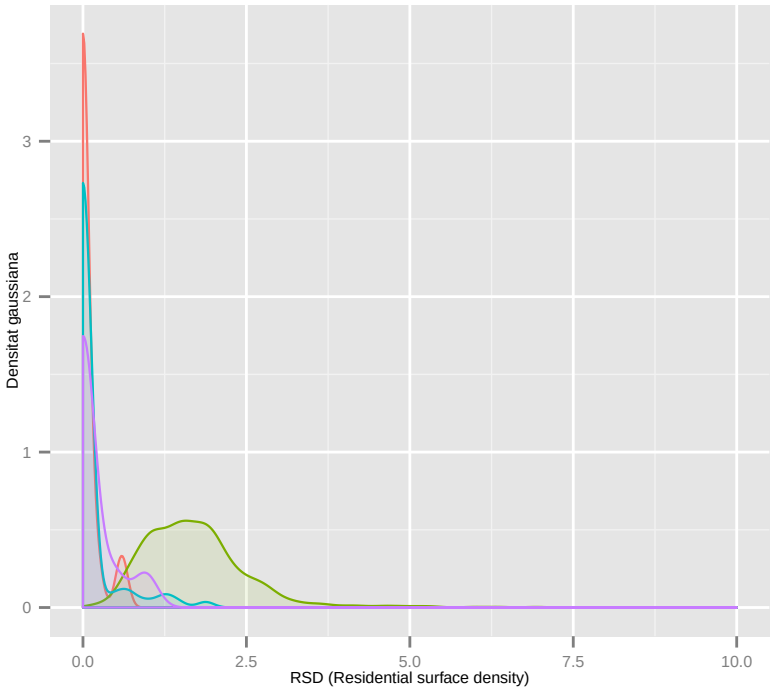


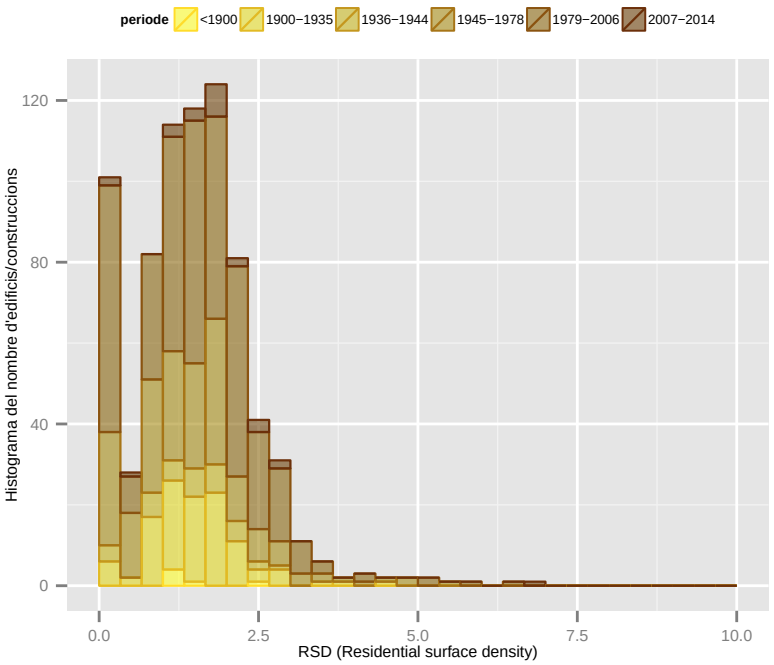


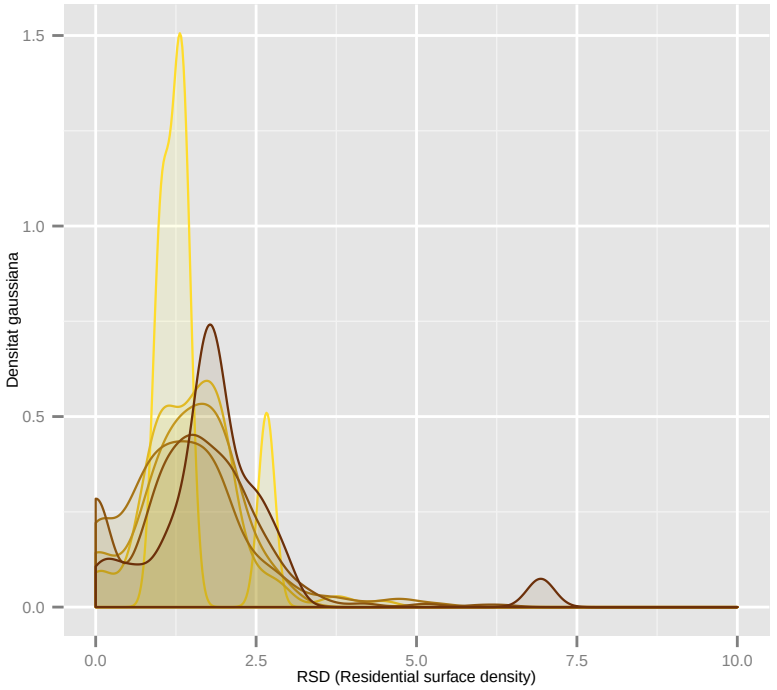
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

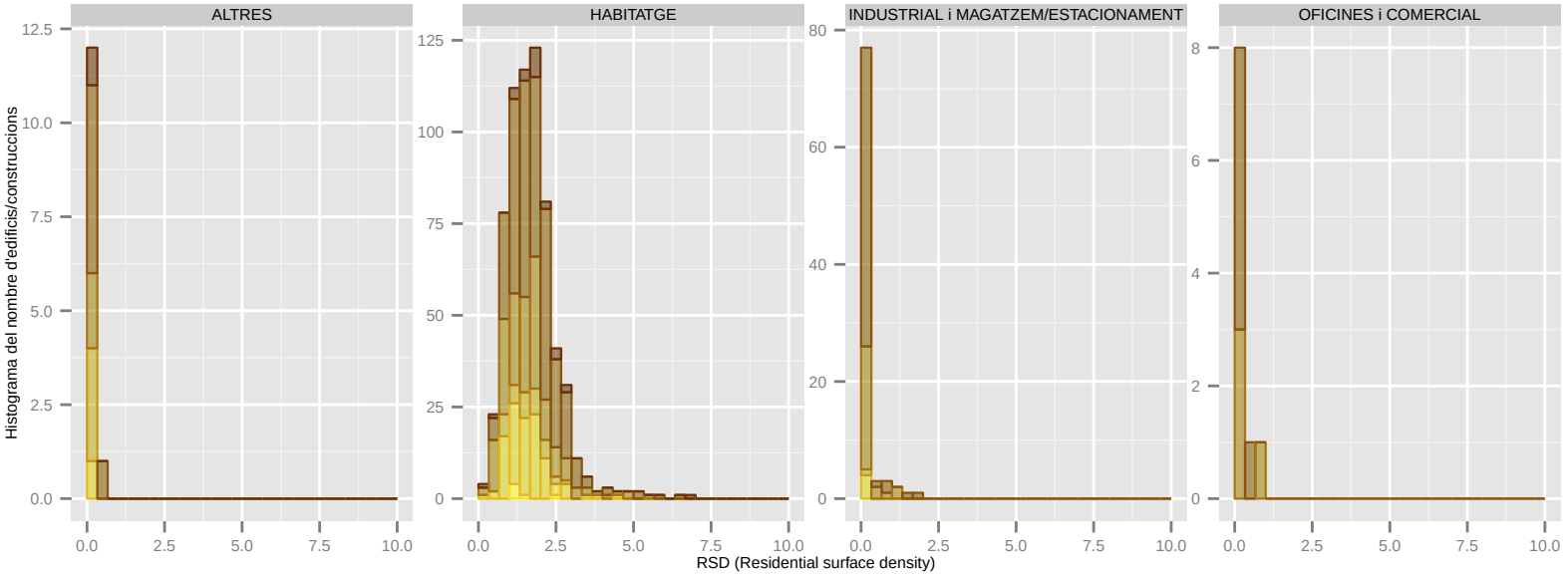
RSD (Residential surface density): SANT CLIMENT DE LLOBREGAT





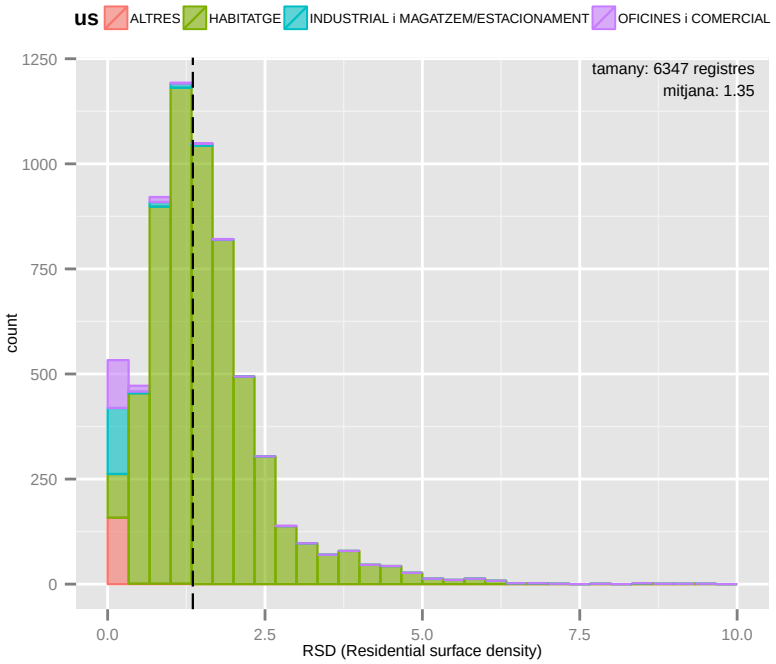


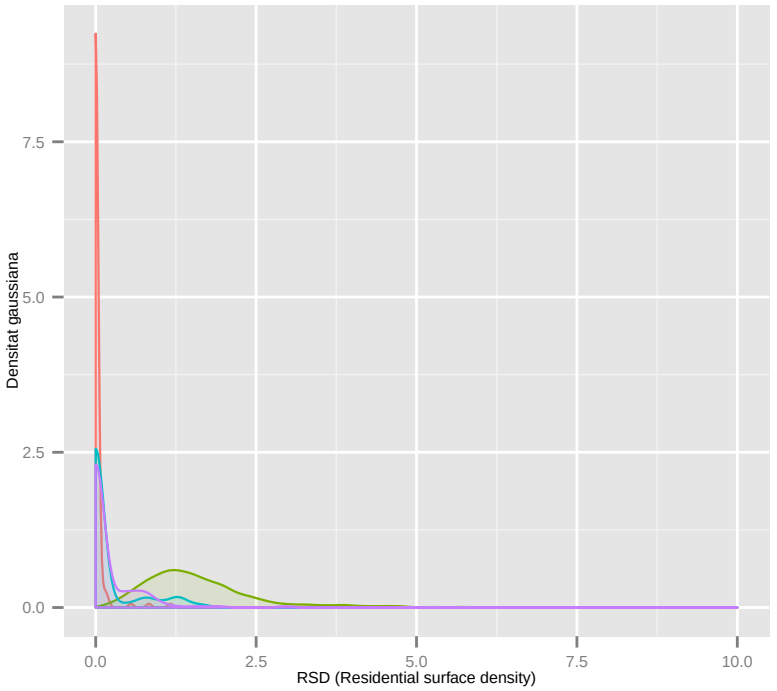


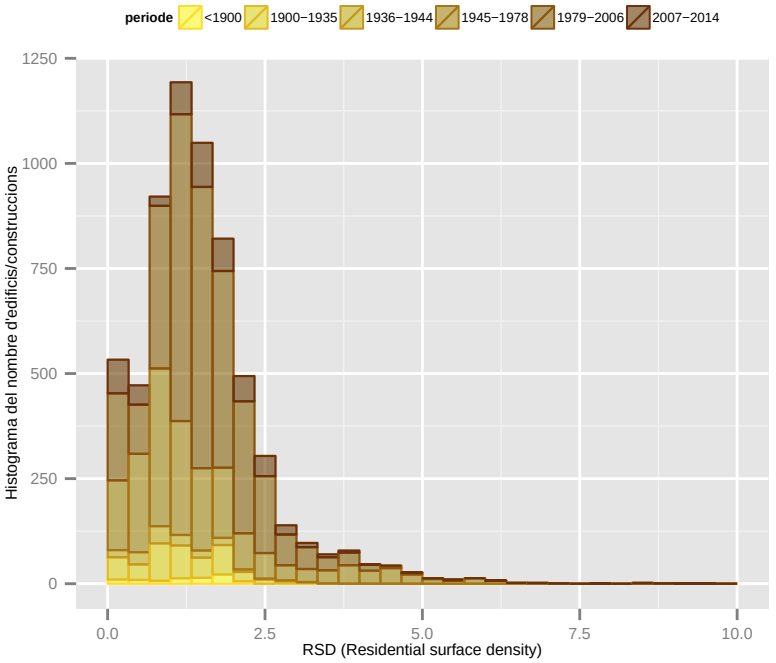


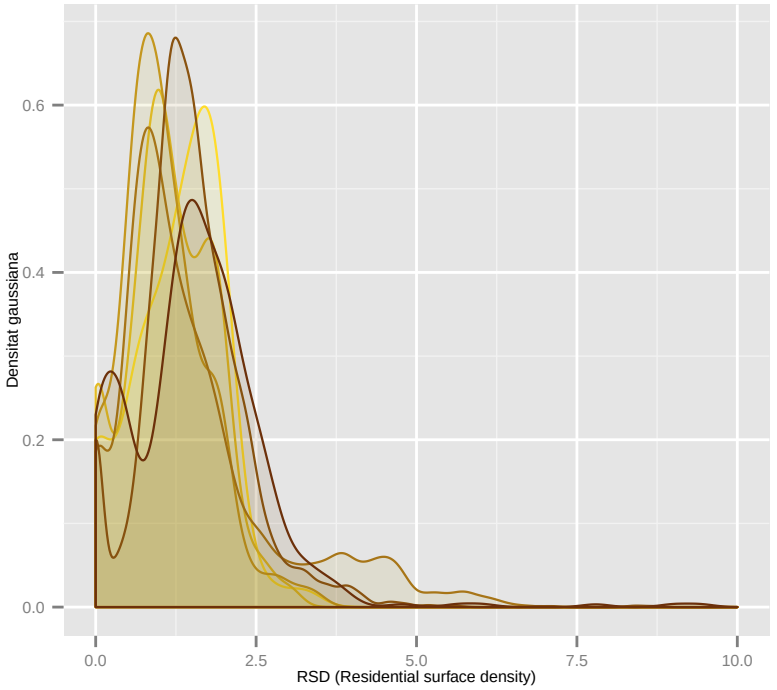
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

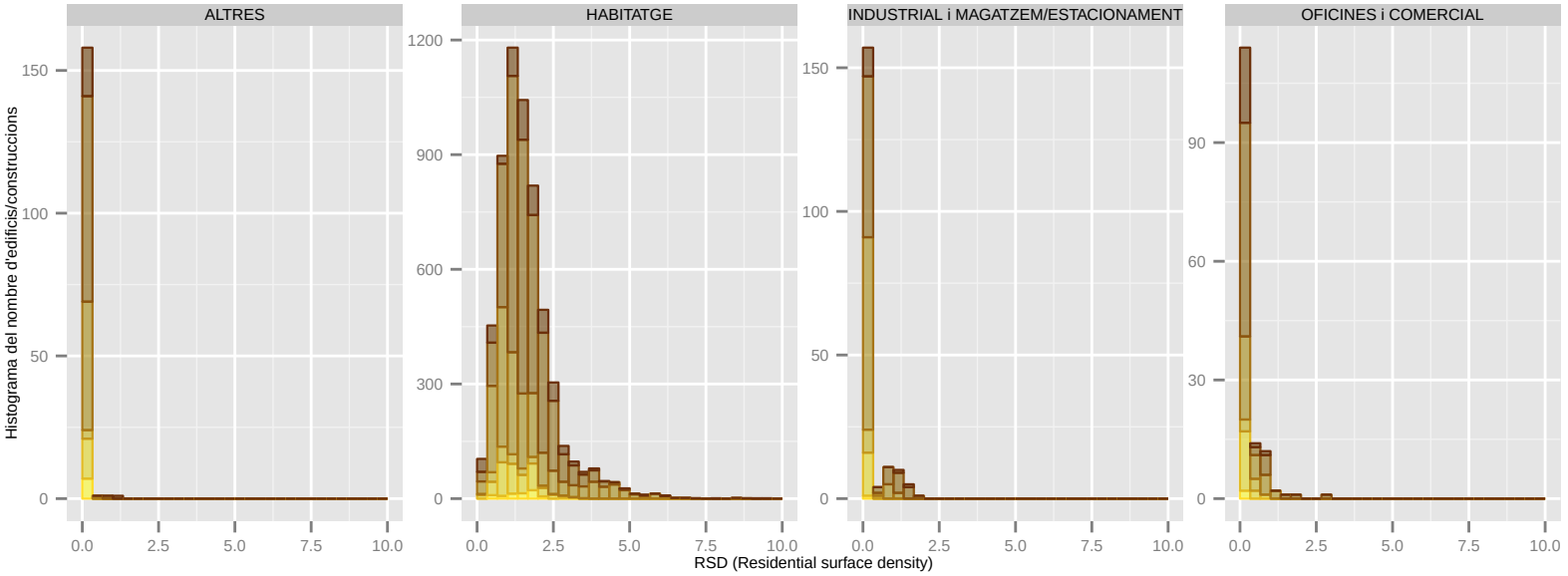
RSD (Residential surface density): SANT CUGAT DEL VALLES





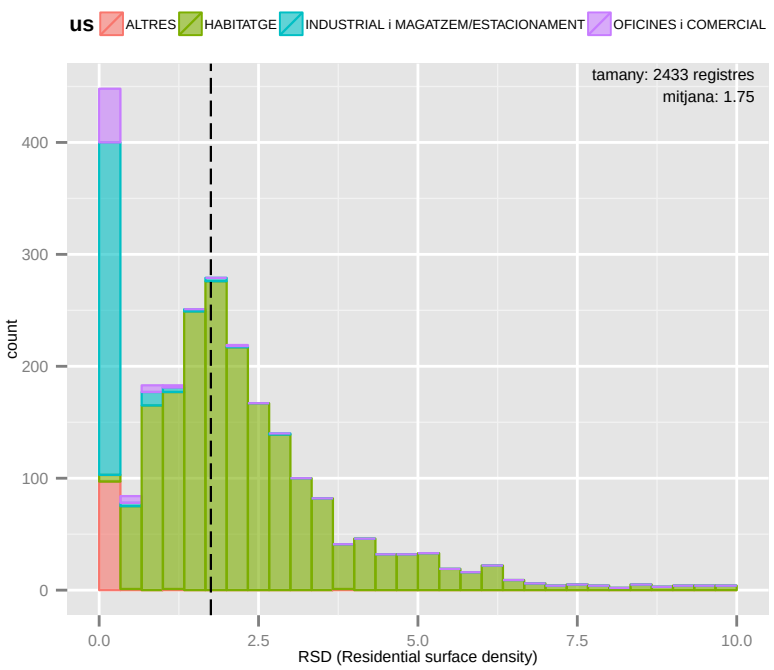


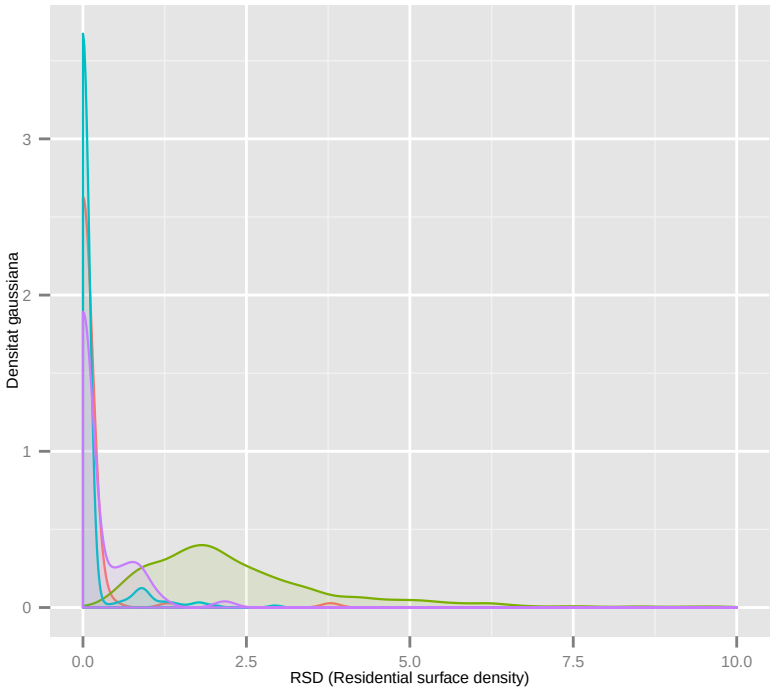


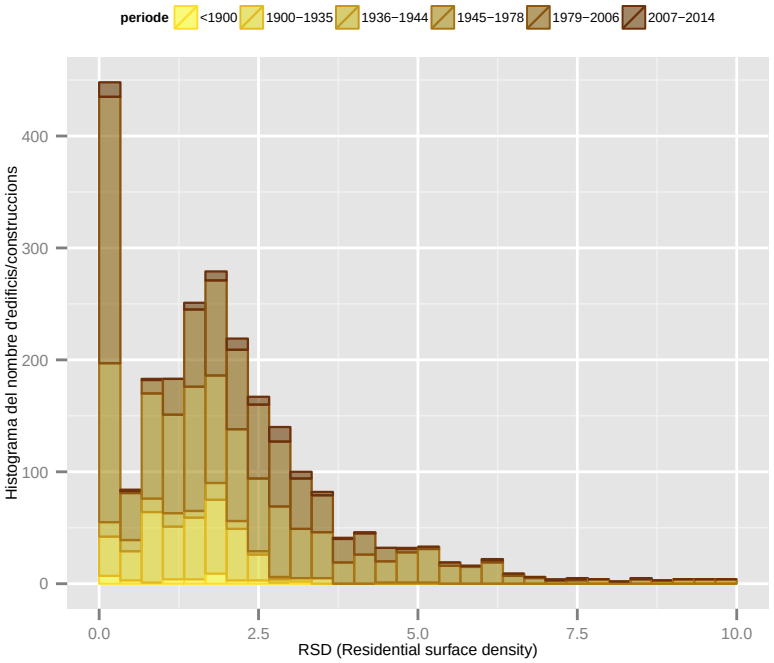


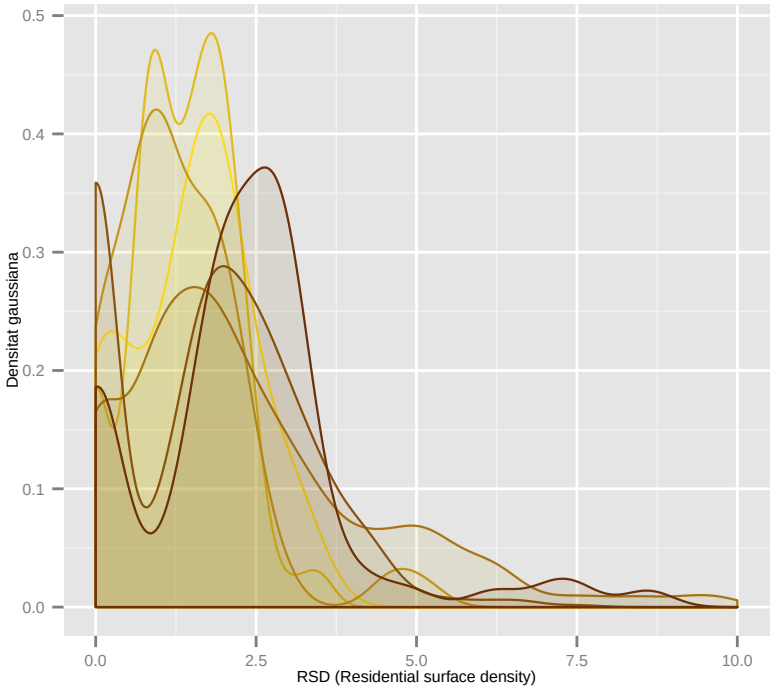
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

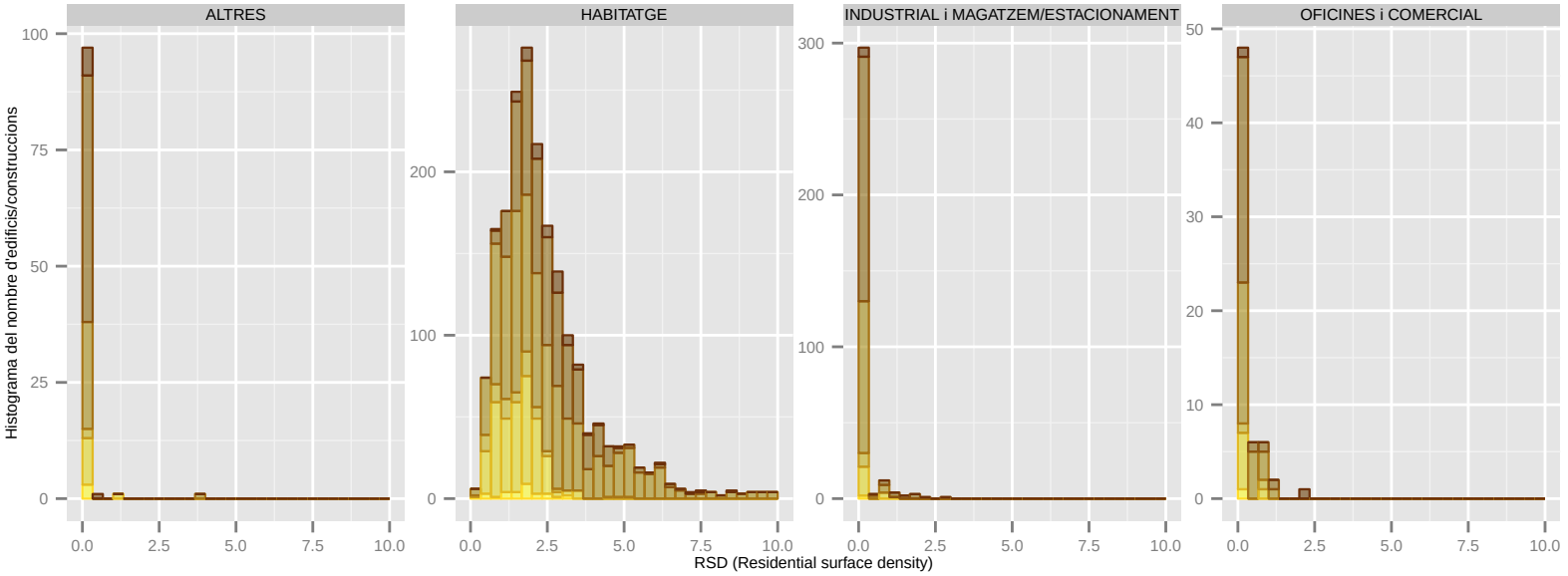
RSD (Residential surface density): SANT FELIU DE LLOBREGAT





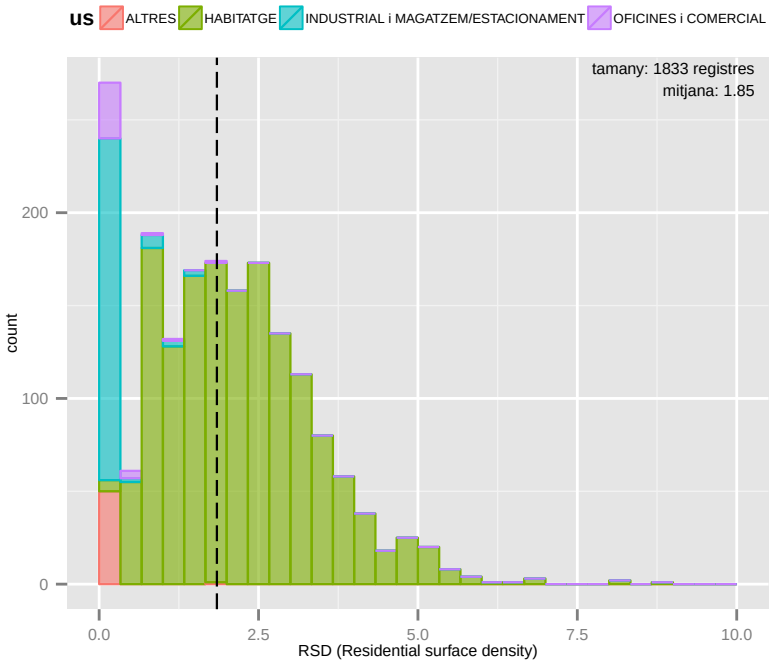


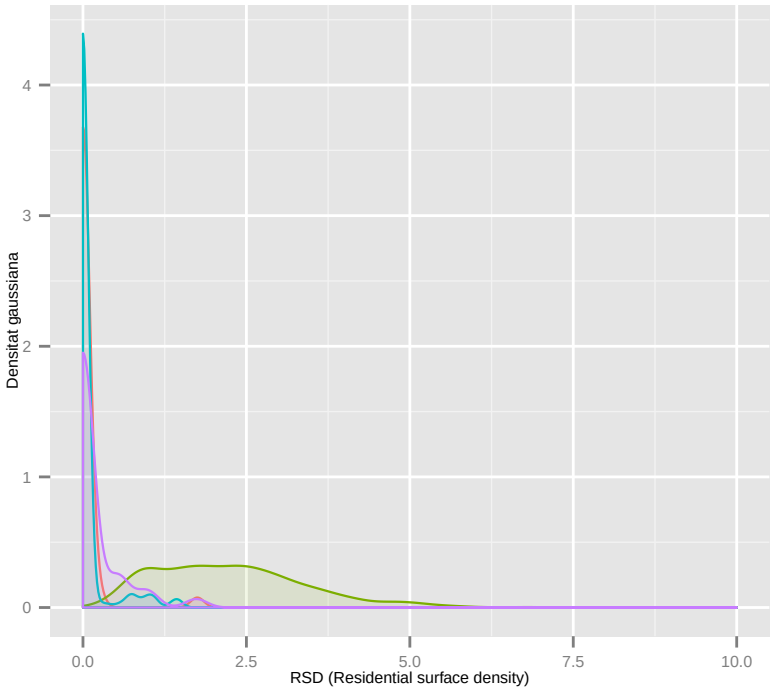


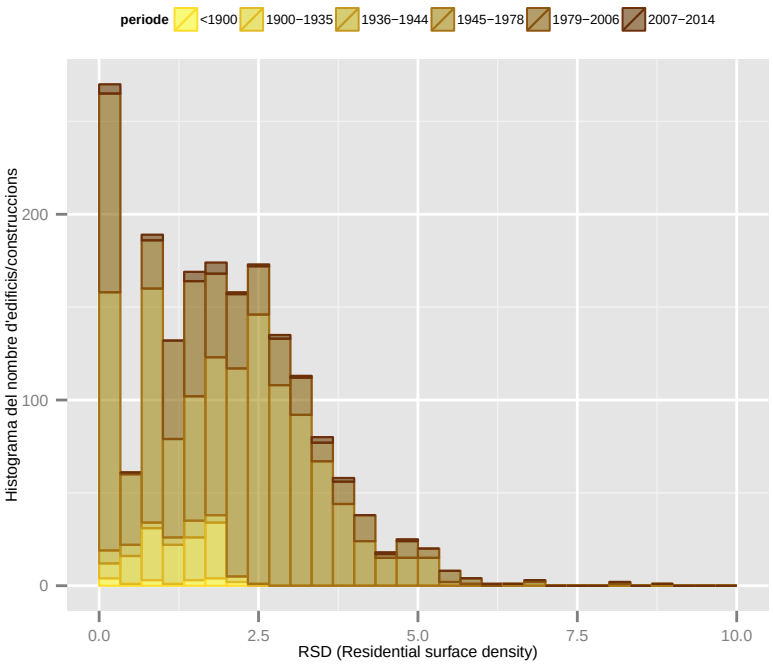


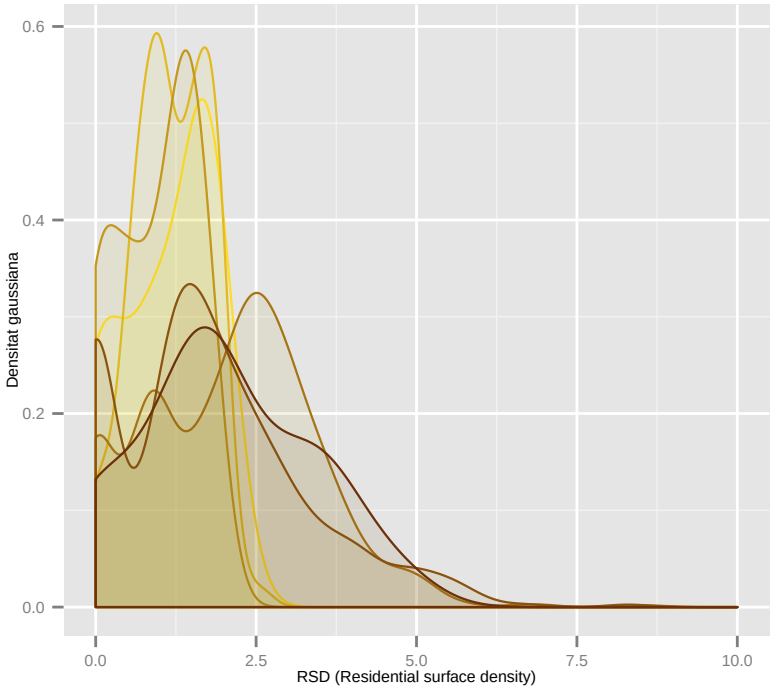
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

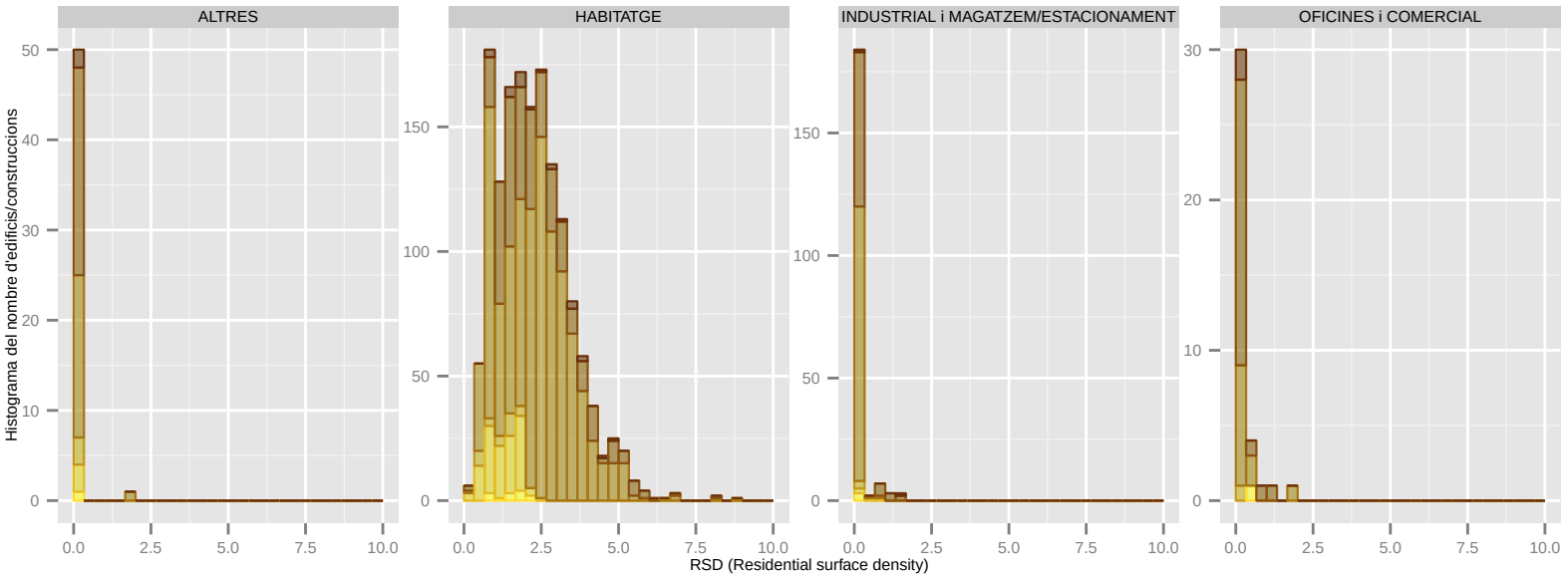
RSD (Residential surface density): SANT JOAN DESPI





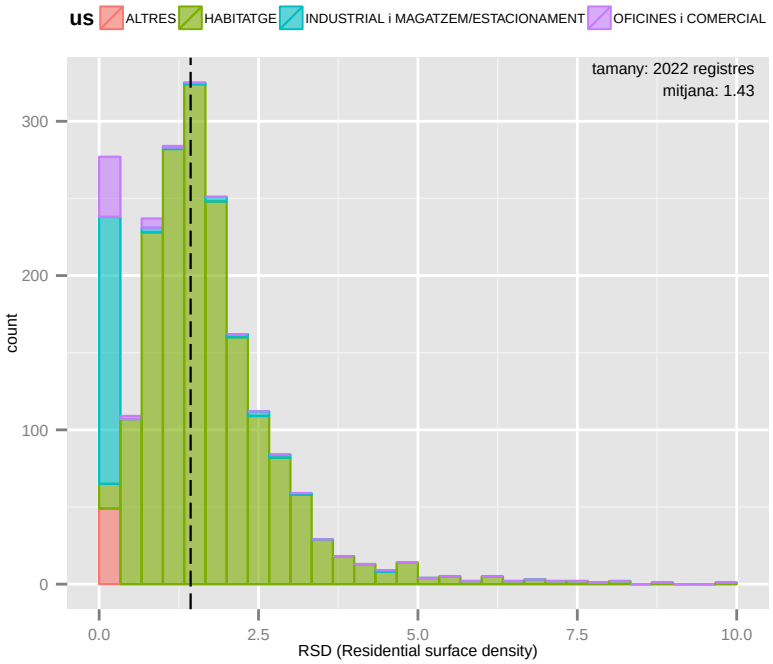


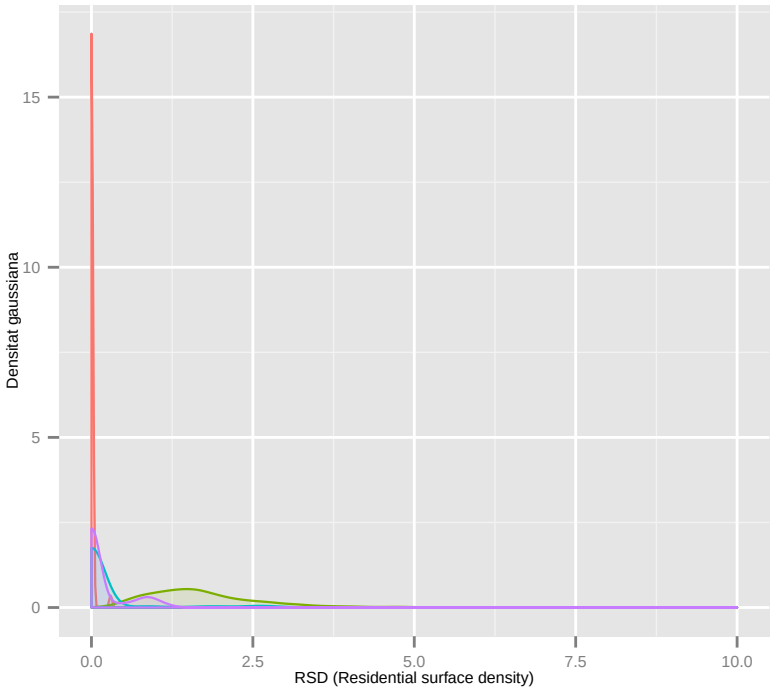


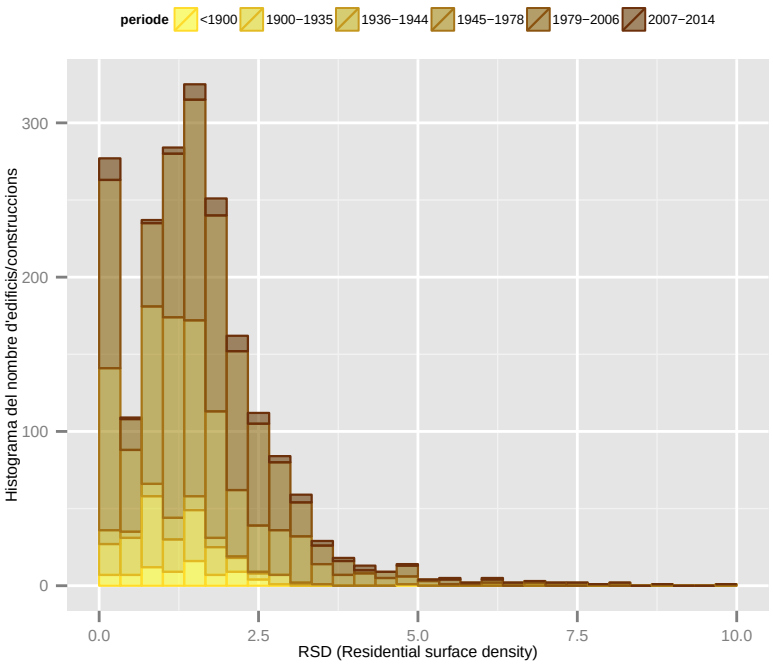


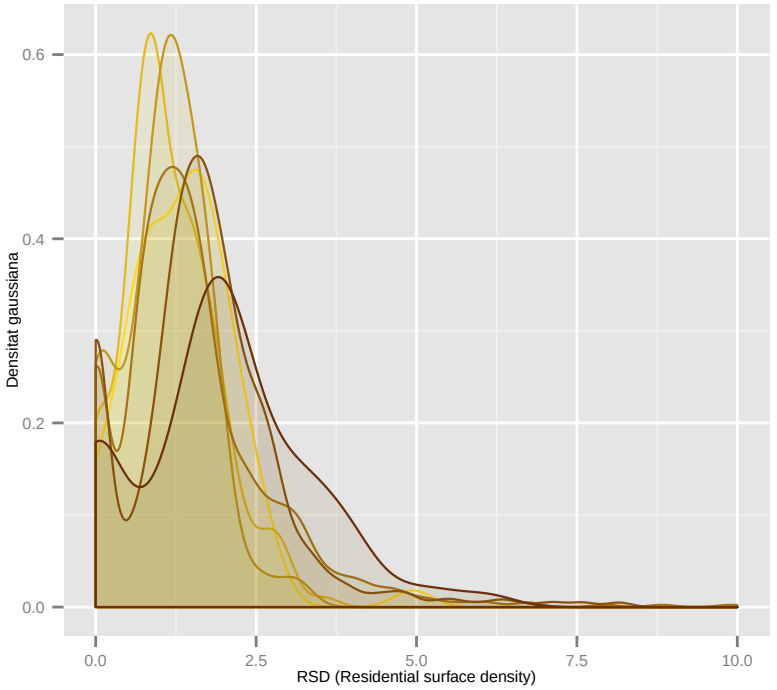
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

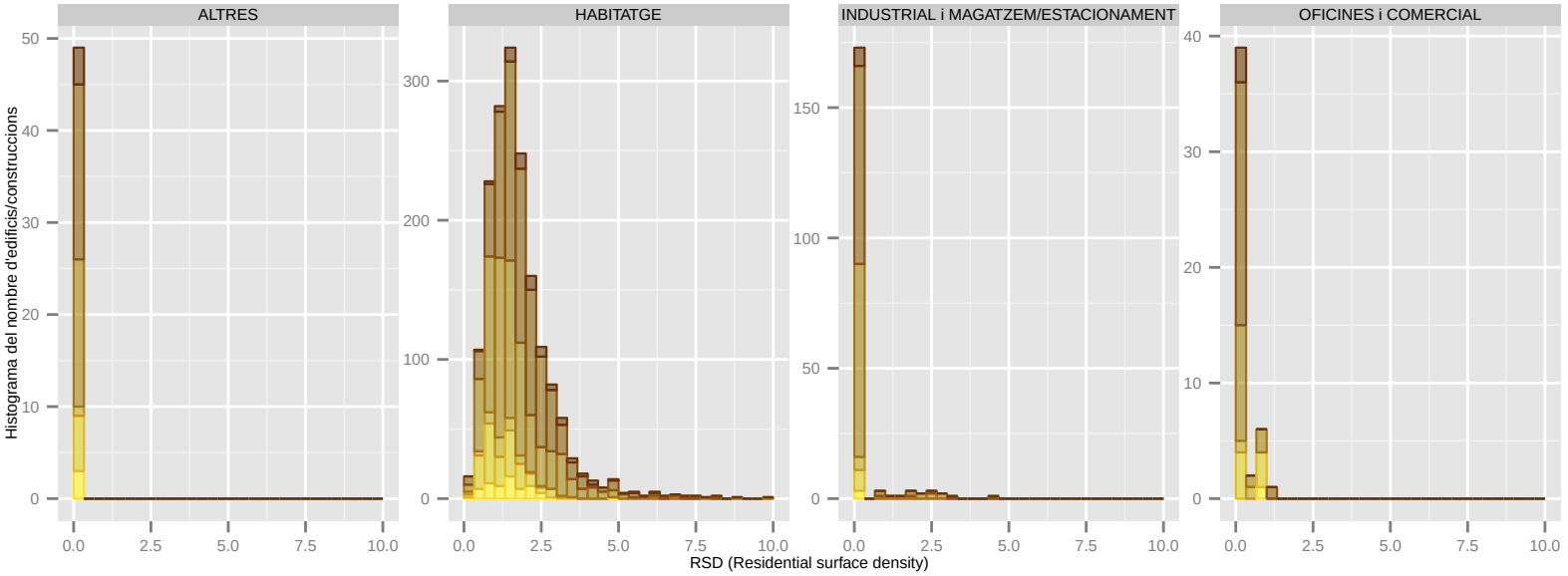
RSD (Residential surface density): SANT JUST DESVERN





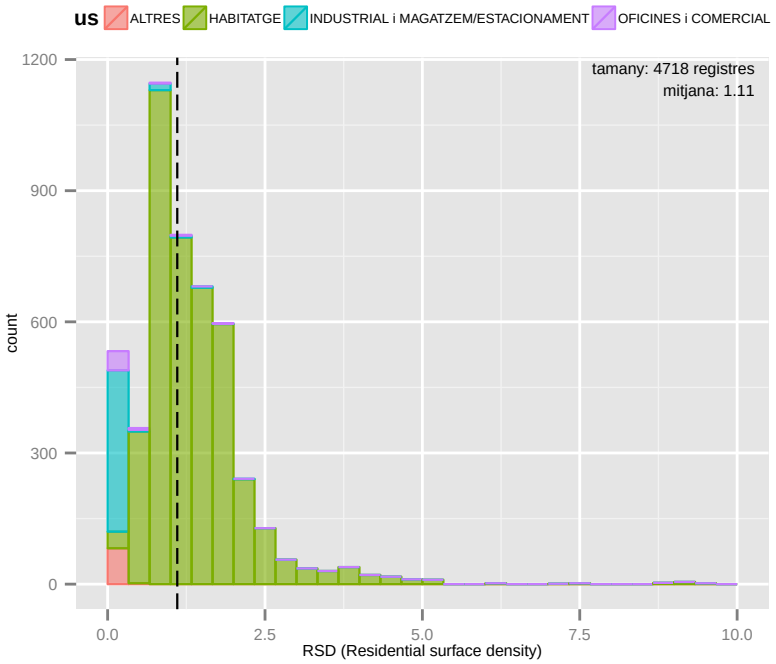


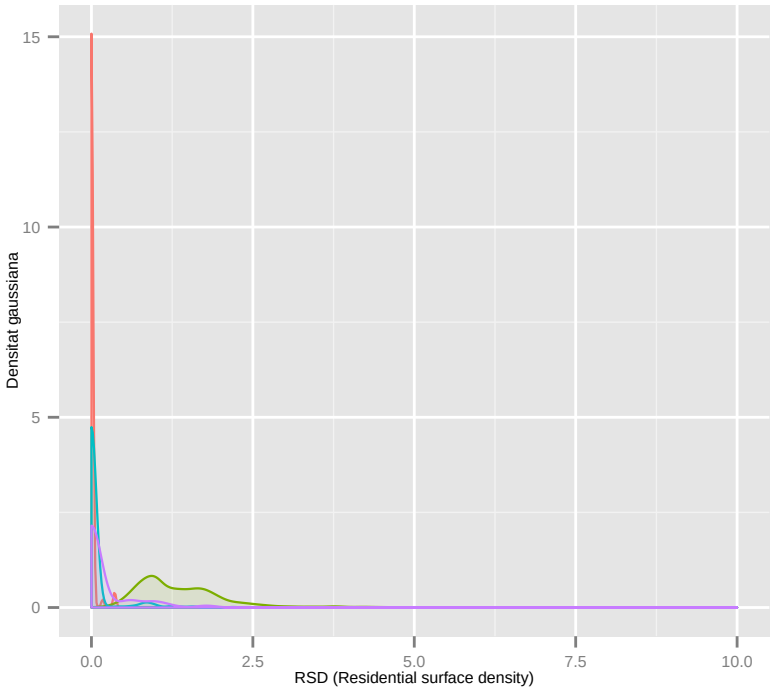


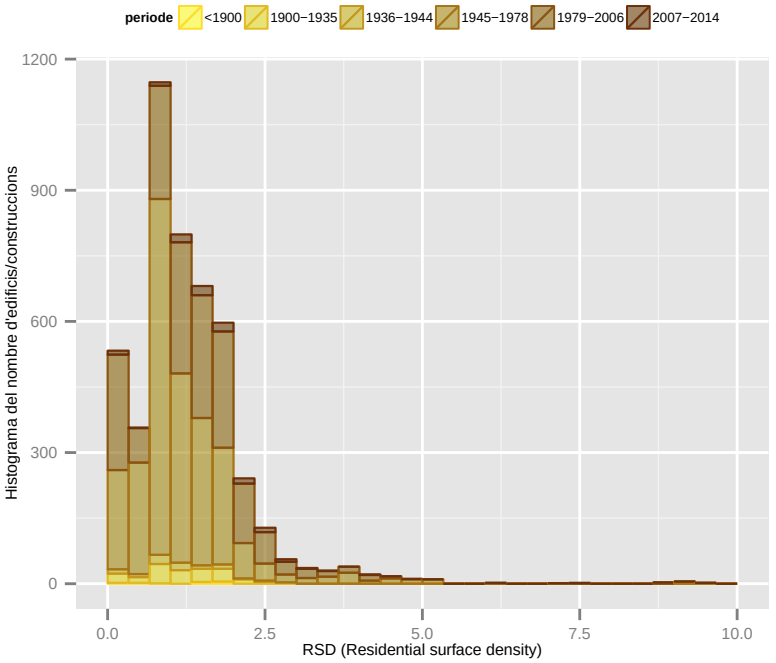


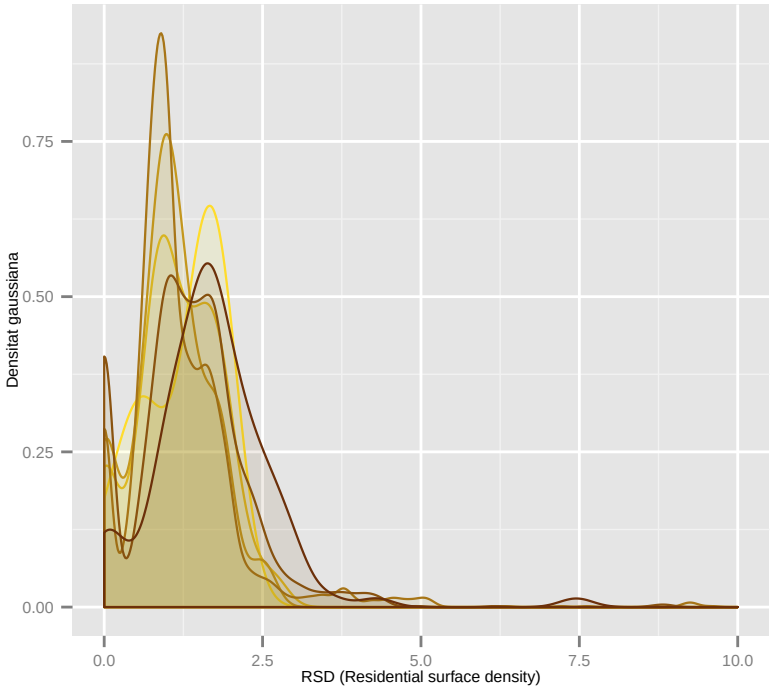
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

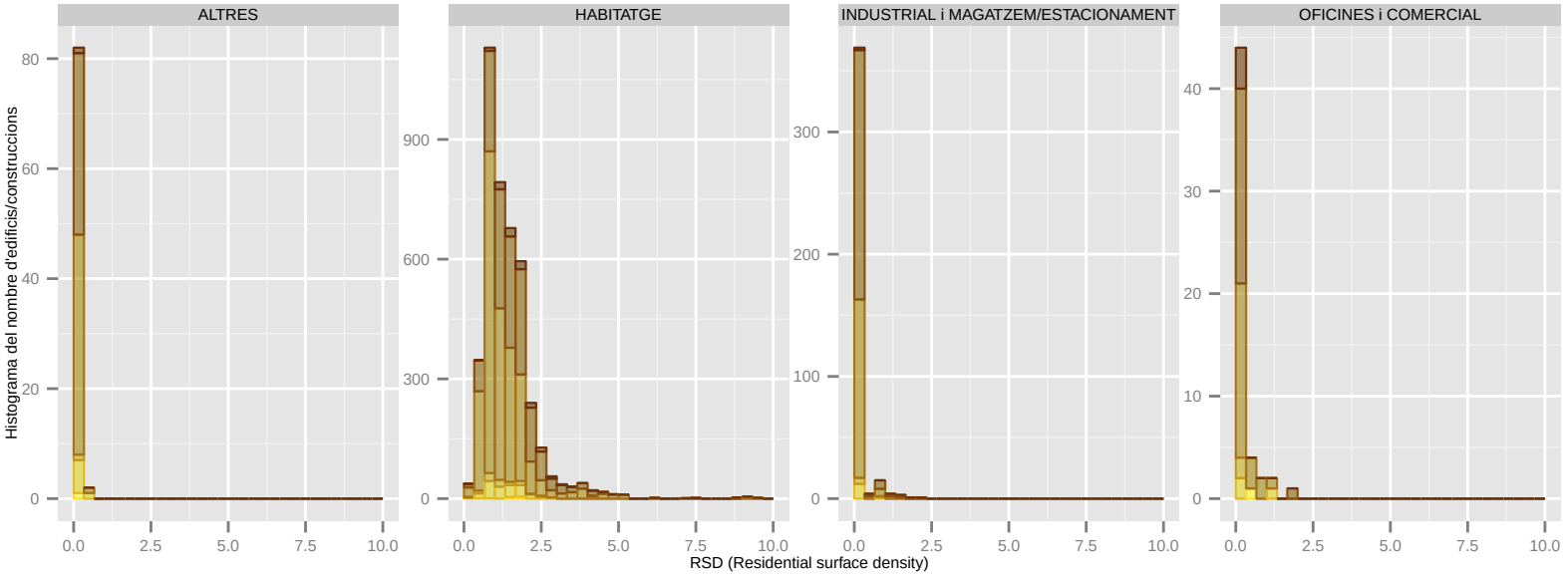
RSD (Residential surface density): SANT VICENÃ‡ DELS HORTS





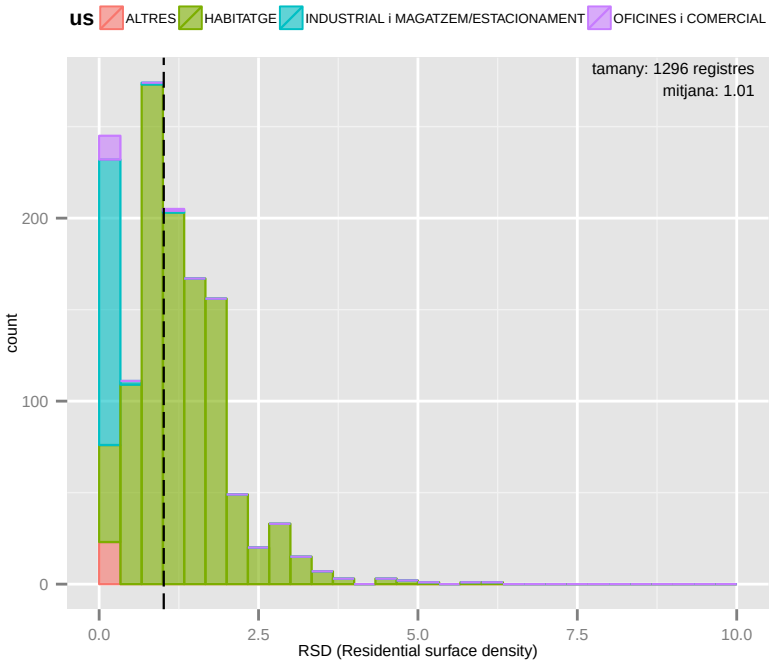


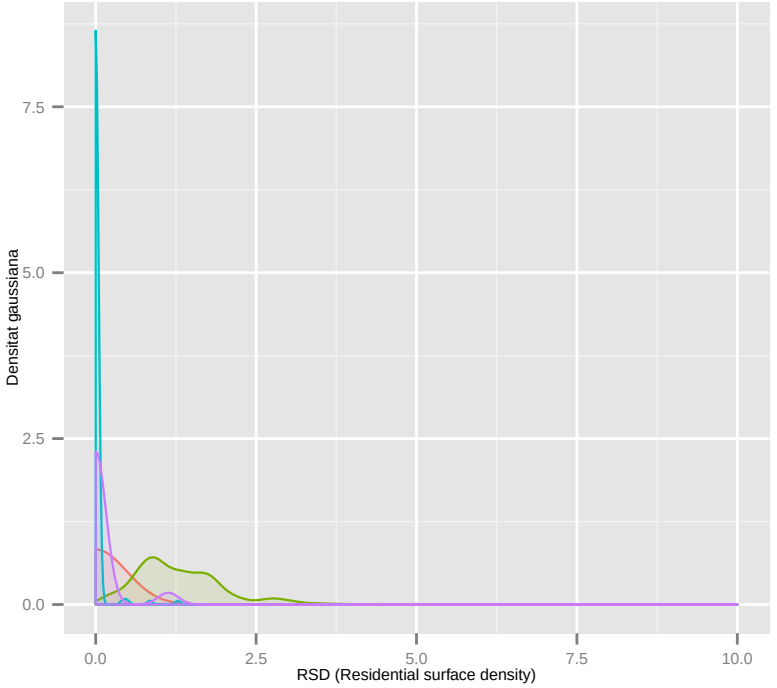


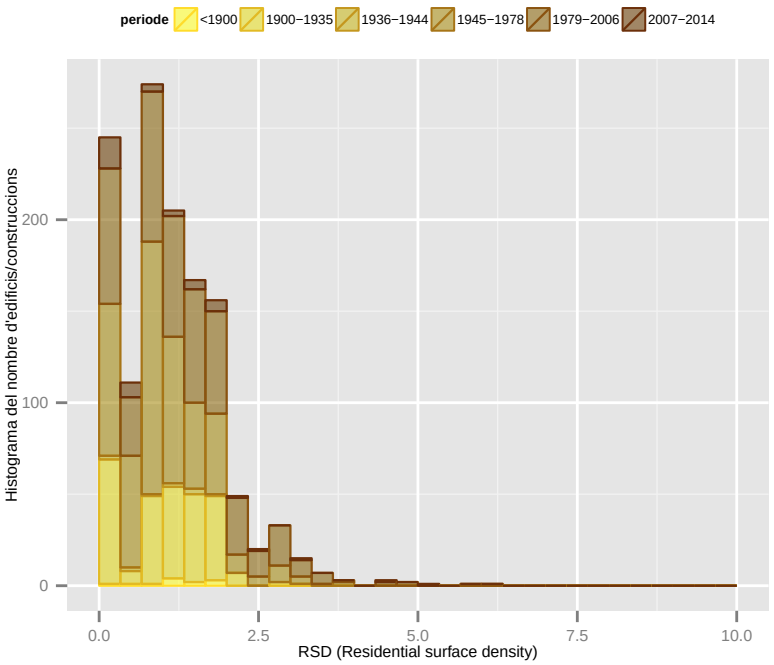


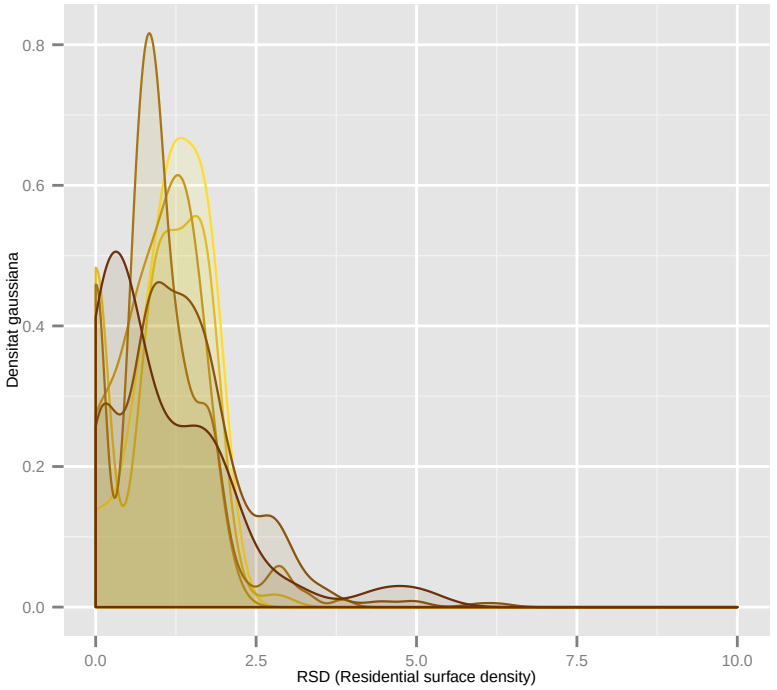
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

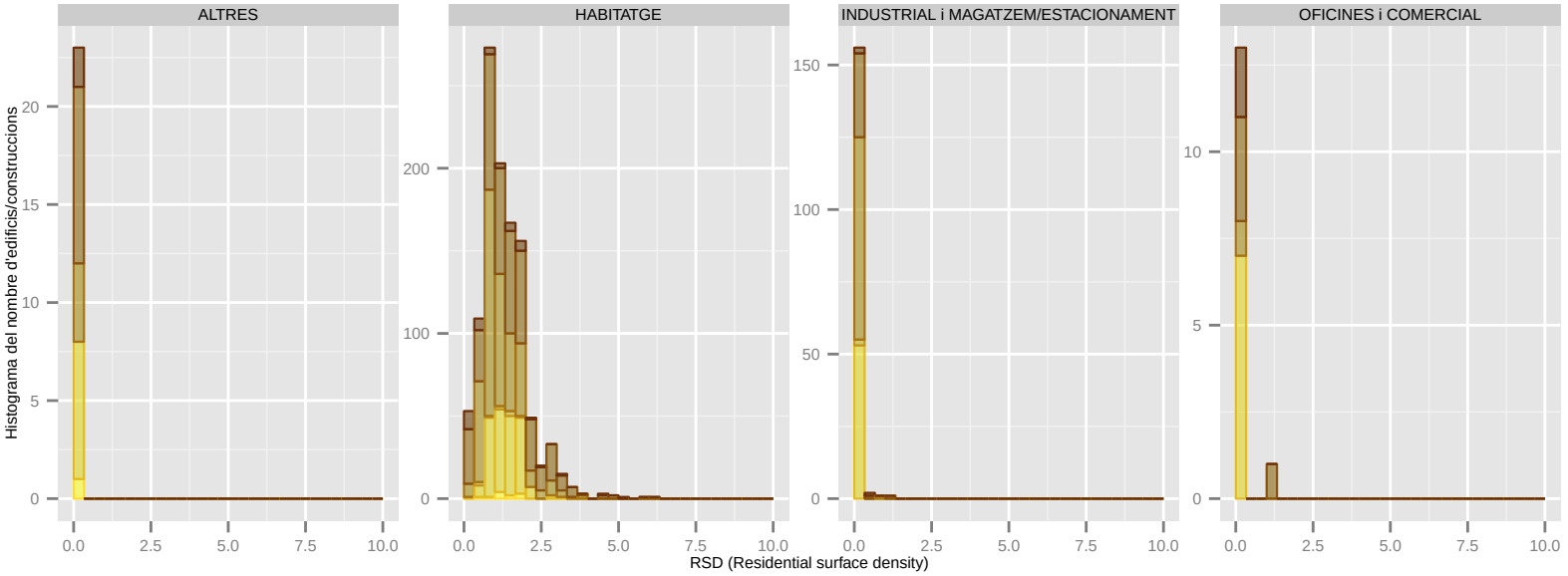
RSD (Residential surface density): SANTA COLOMA DE CERVELLO





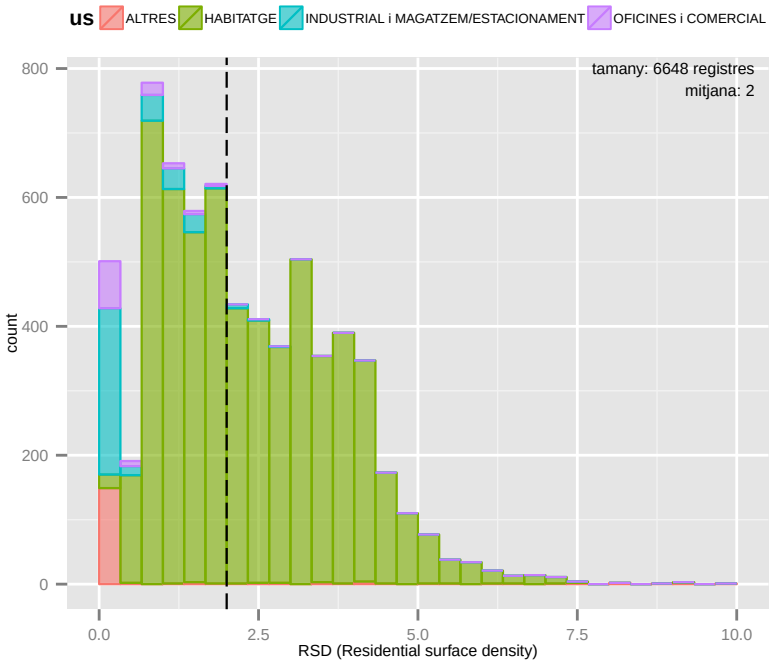


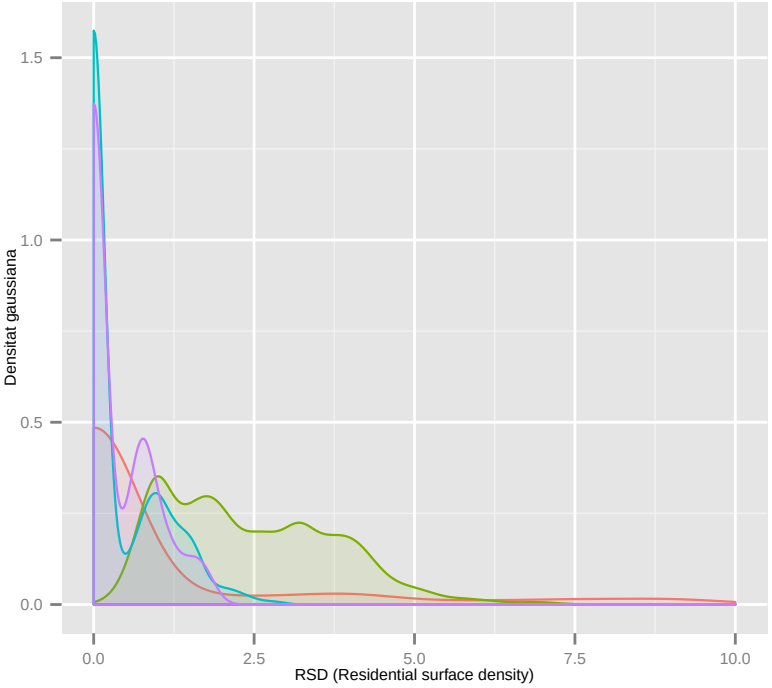


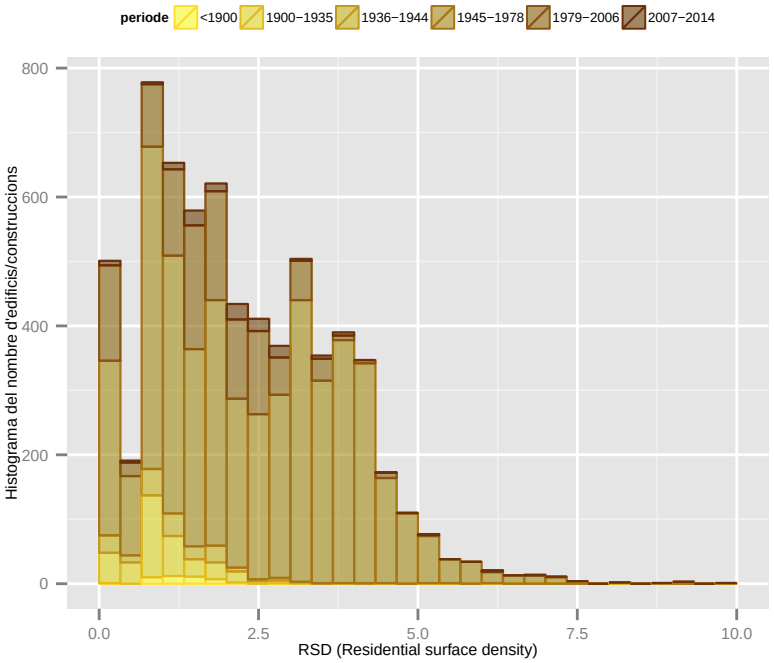


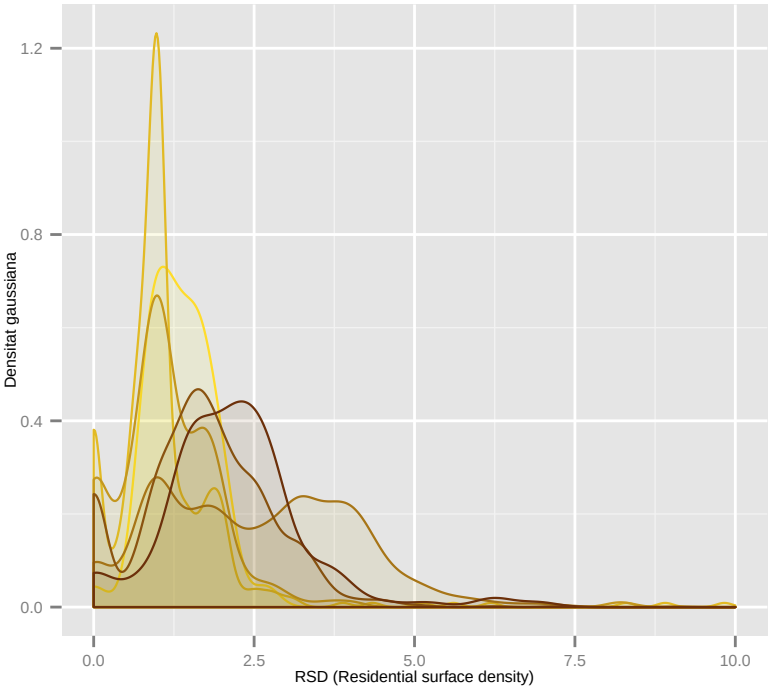
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

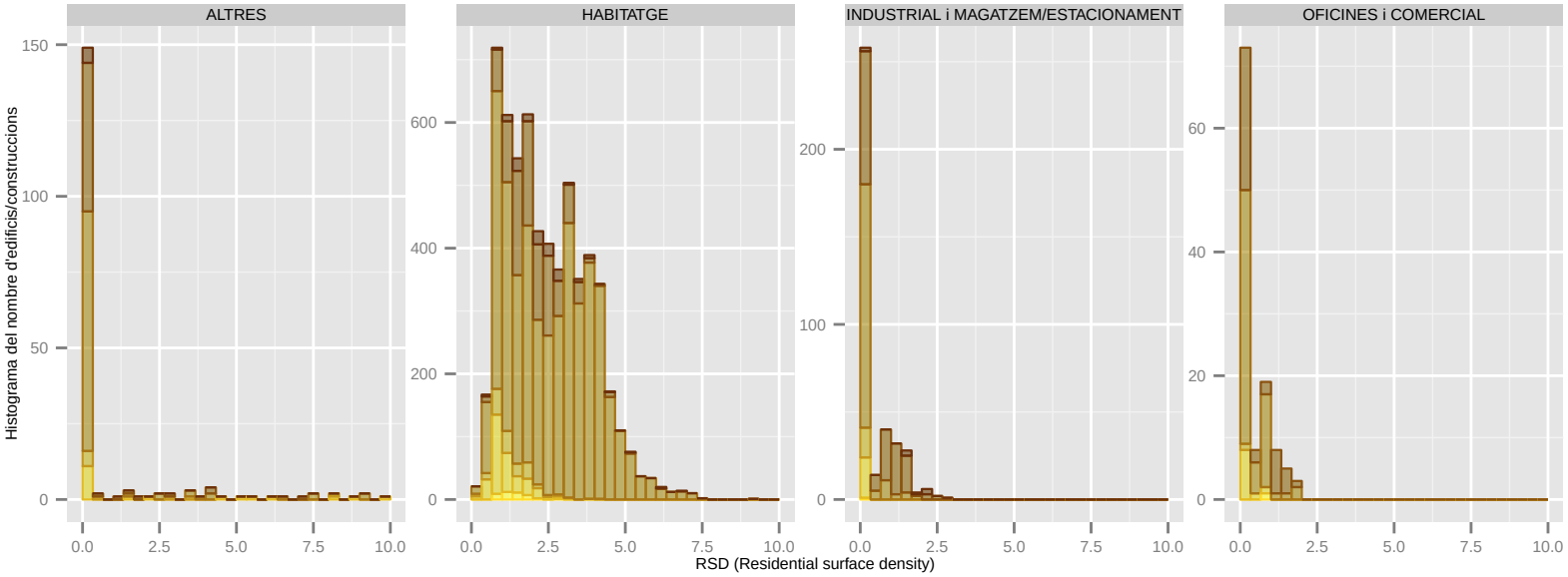
RSD (Residential surface density): SANTA COLOMA DE GRAMENET





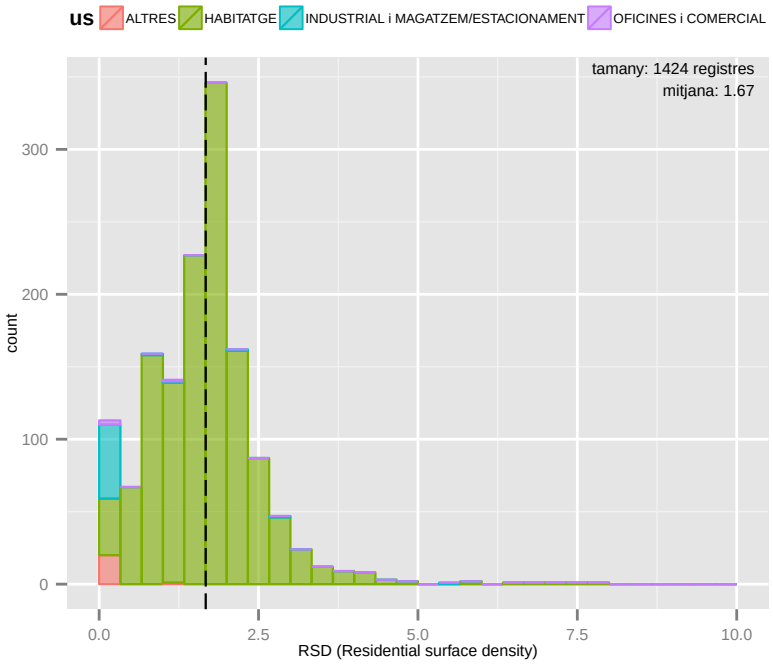


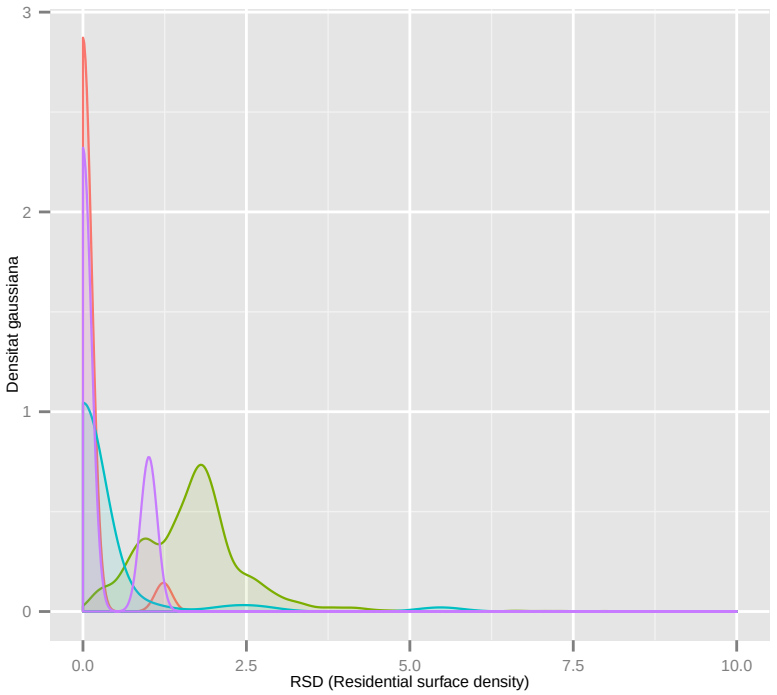


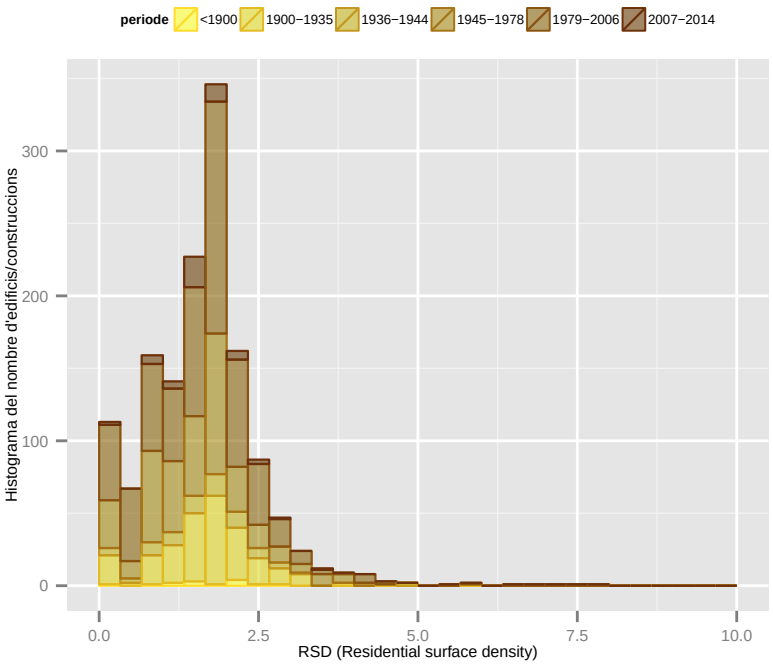


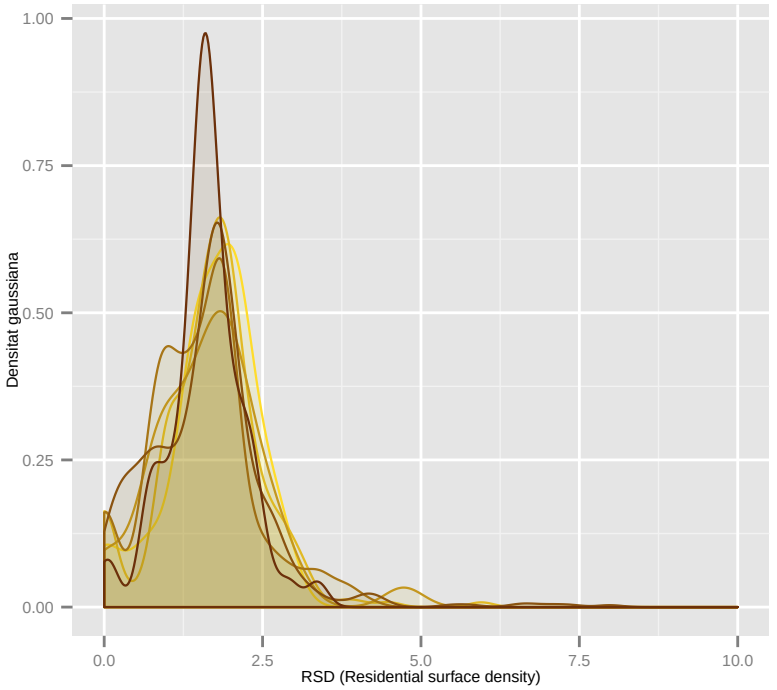
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

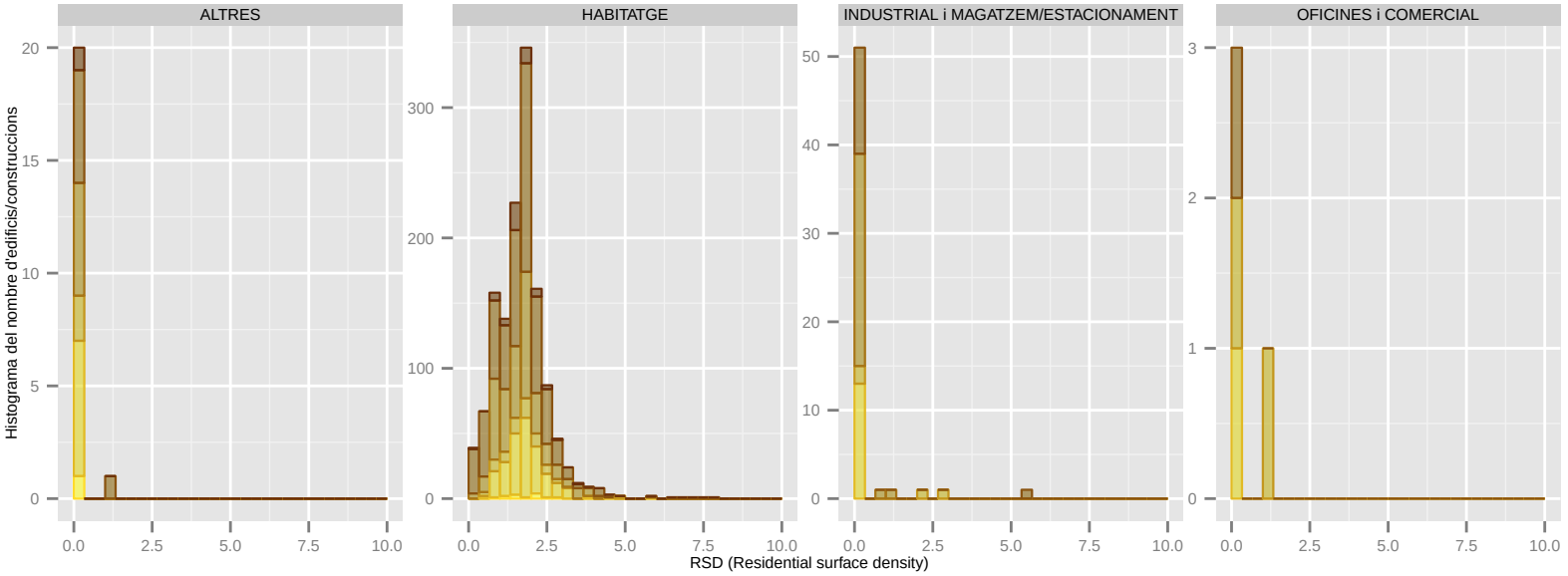
RSD (Residential surface density): TIANA





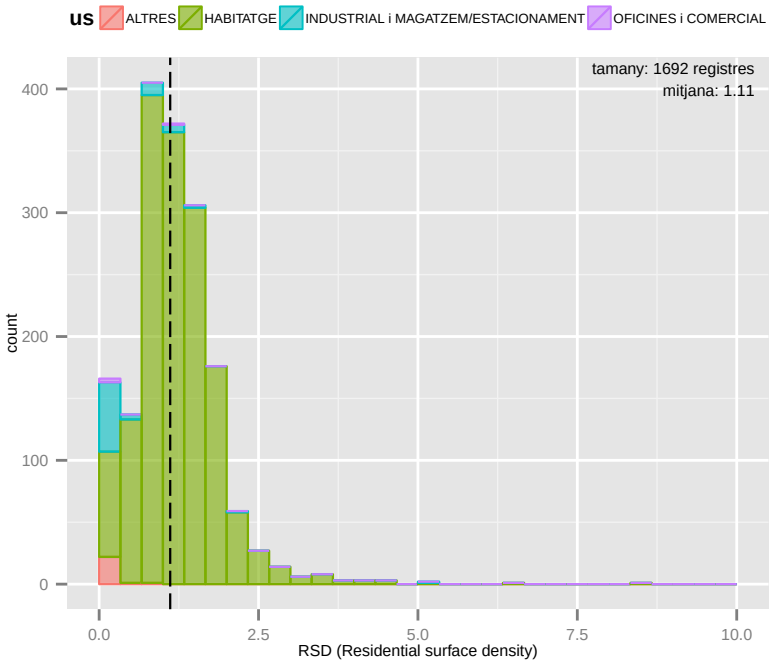


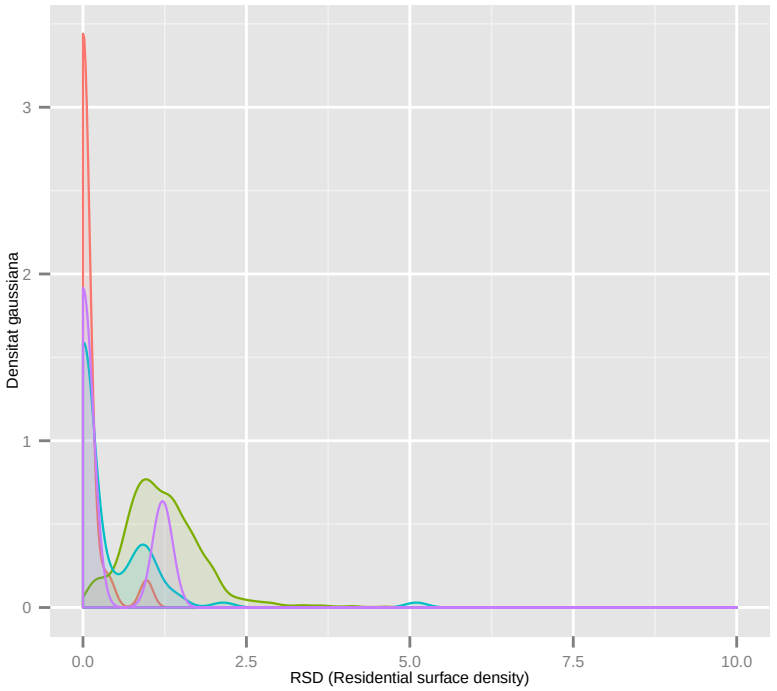


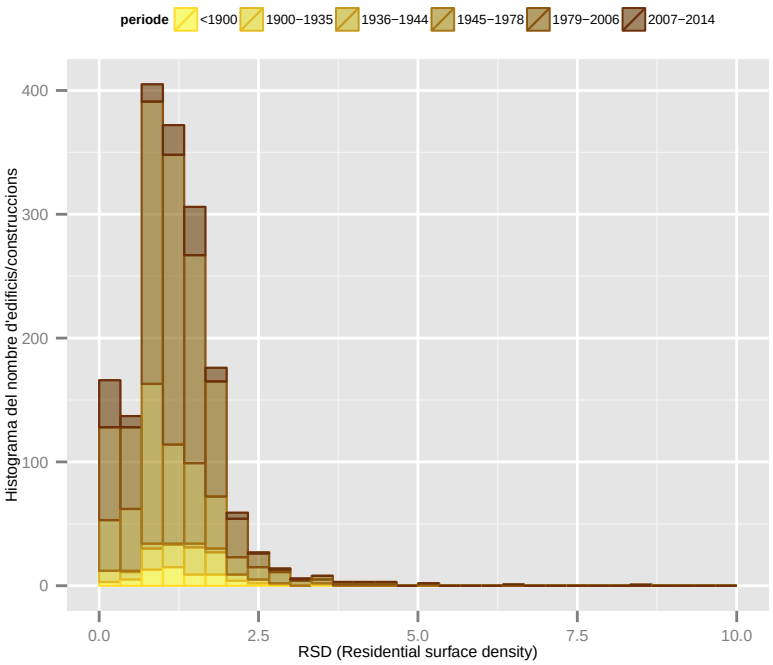


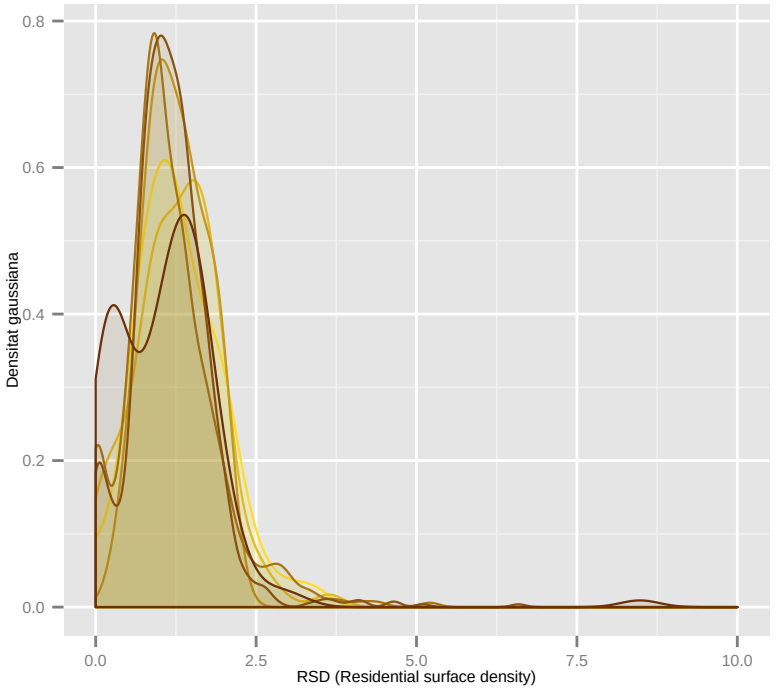
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

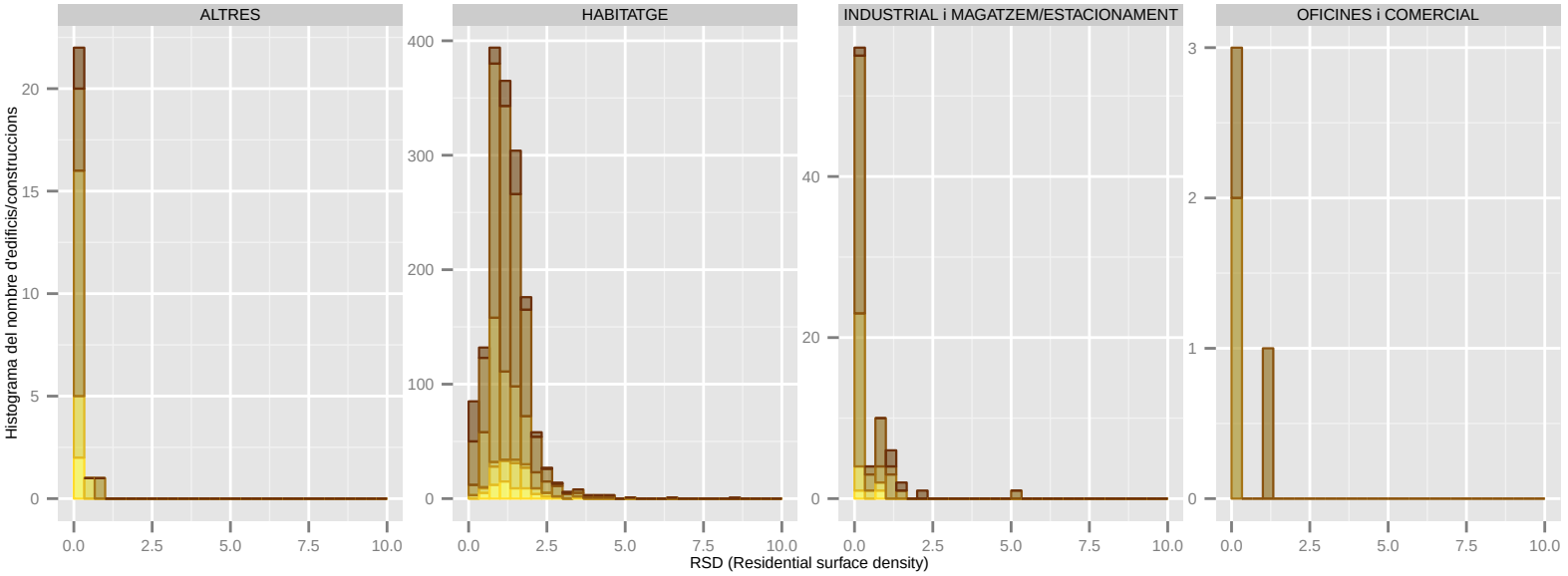
RSD (Residential surface density): TORRELLES DE LLOBREGAT





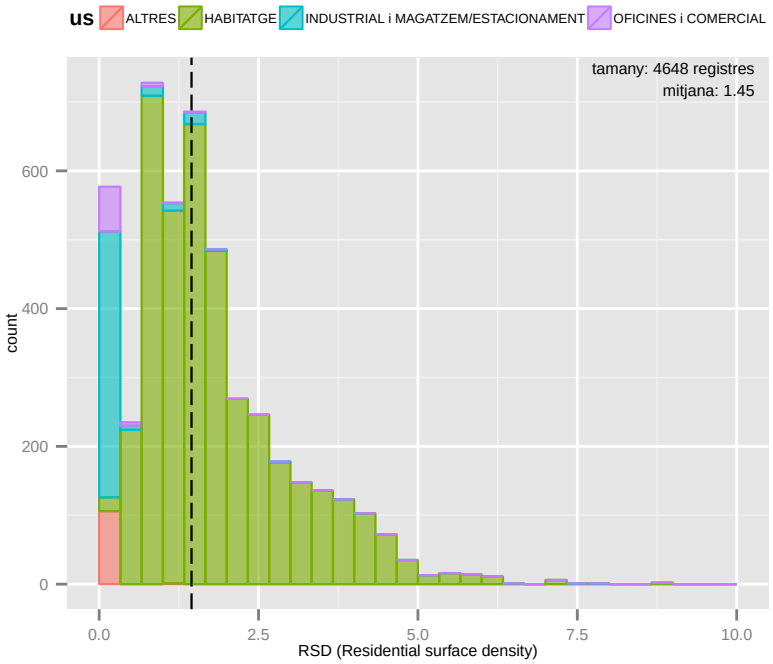


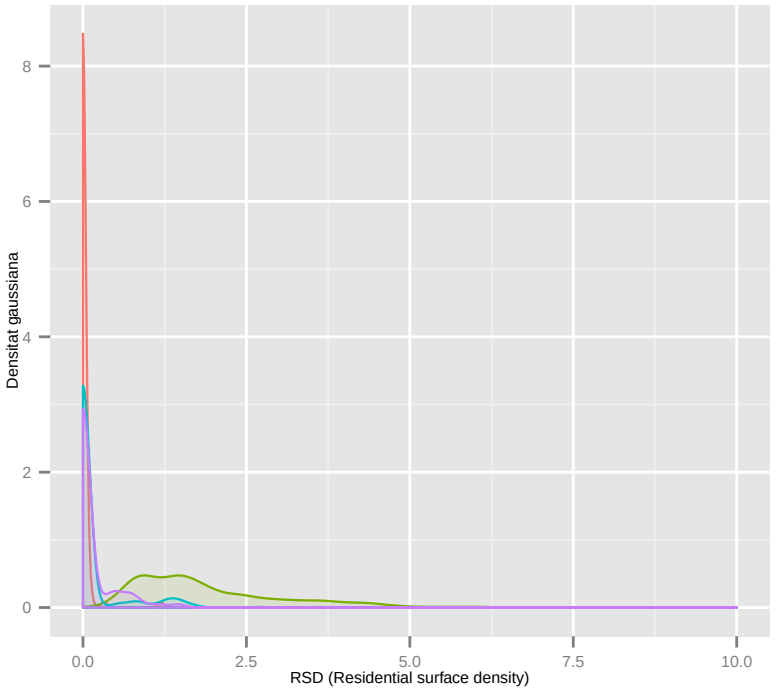


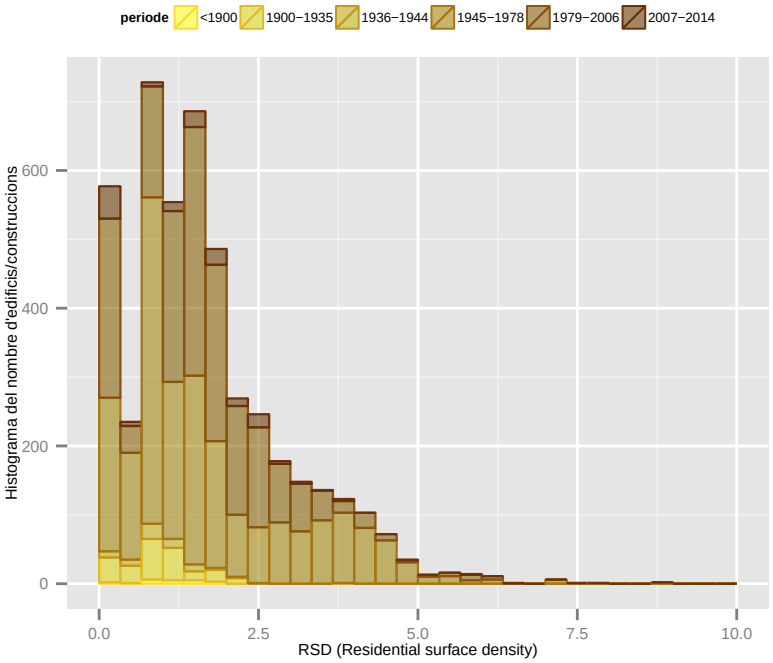


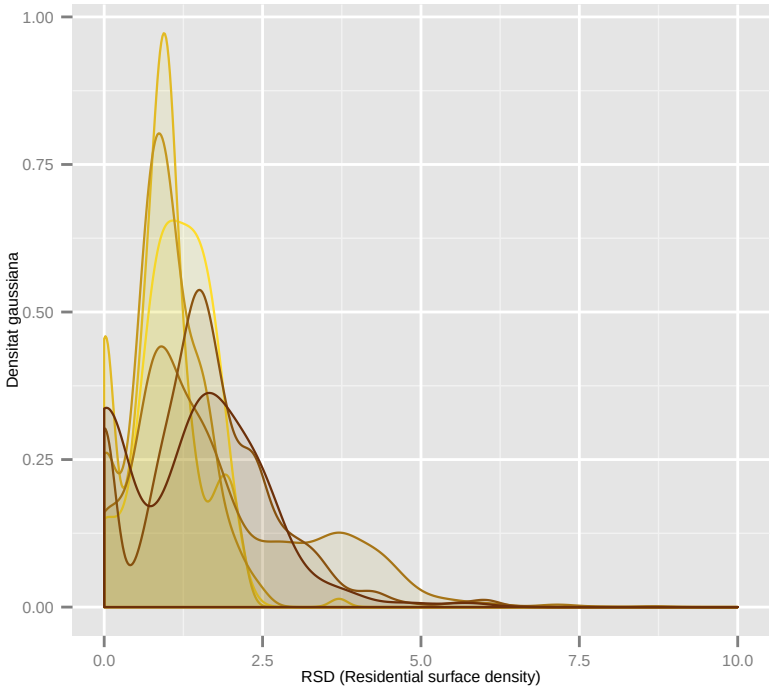
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

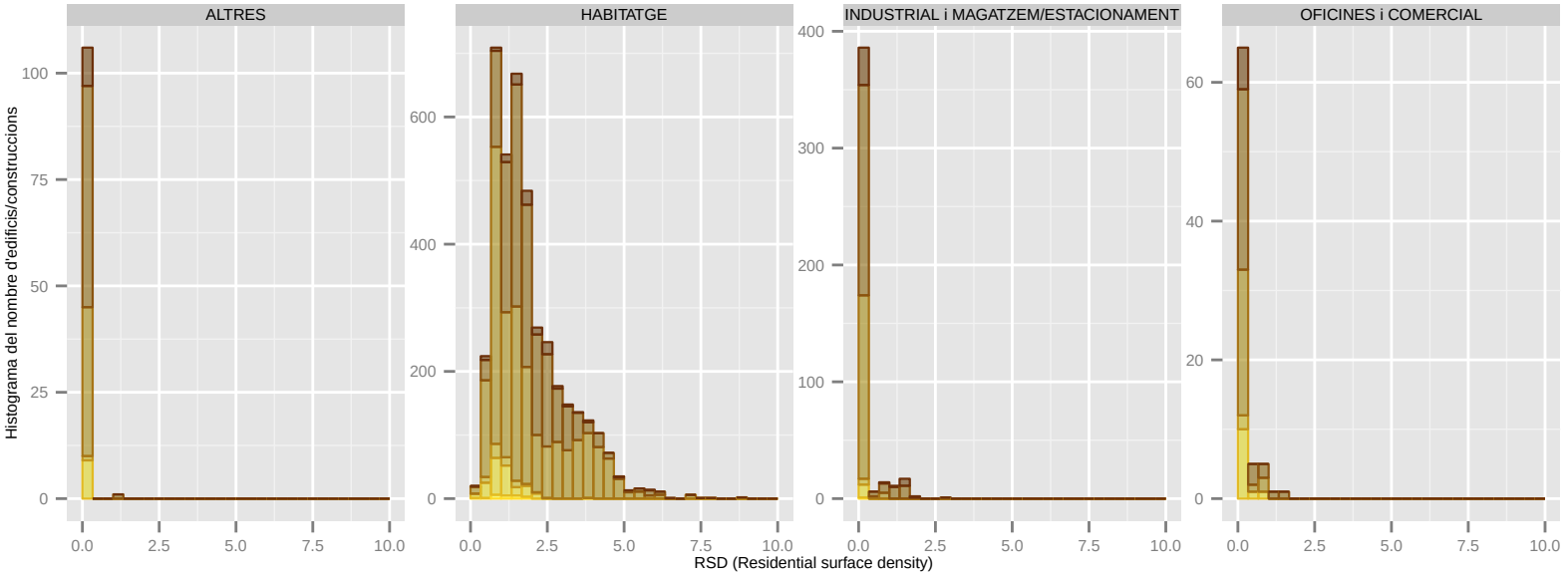
RSD (Residential surface density): VILADECANS











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

10. AMPLADA DE CARRER

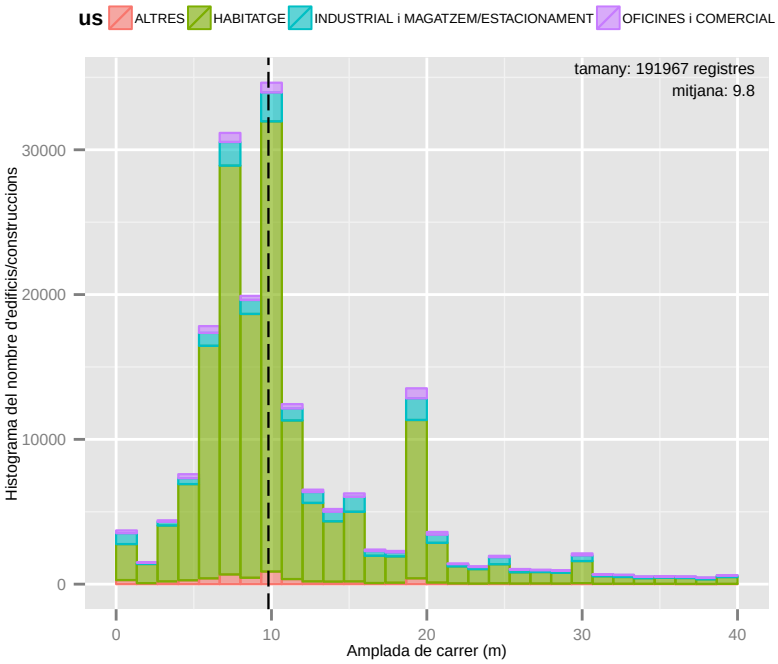
L'amplada de carrer (o separació entre façanes segons el cas) indica els metres que hi ha entre façanes d'edificis acarats. Aquest valor no és fàcil de calcular ja que s'han hagut de processar determinats algoritmes amb el SIG per obtenir la dada associada a cada edifici. En aquest sentit poden haver edificis en la que l'amplada de carrer no correspongui amb la real per diverses raons: la façana oposada més propera no correspon a la façana del carrer principal, determinades formes de plantes dels edificis no paral·lels són de difícil interpretació objectiva. Així que en cas de tenir edificis amb més d'una façana que doni a carrer s'ha triat aquella de mínima amplada de carrer. Per tant potser el valor de l'amplada de carrer s'ha d'anar amb cura a l'hora d'utilitzar-lo de manera individual per un edifici en concret, però si que pot ser altament fiable utilitzant-lo estadísticament amb una mostra amplia.

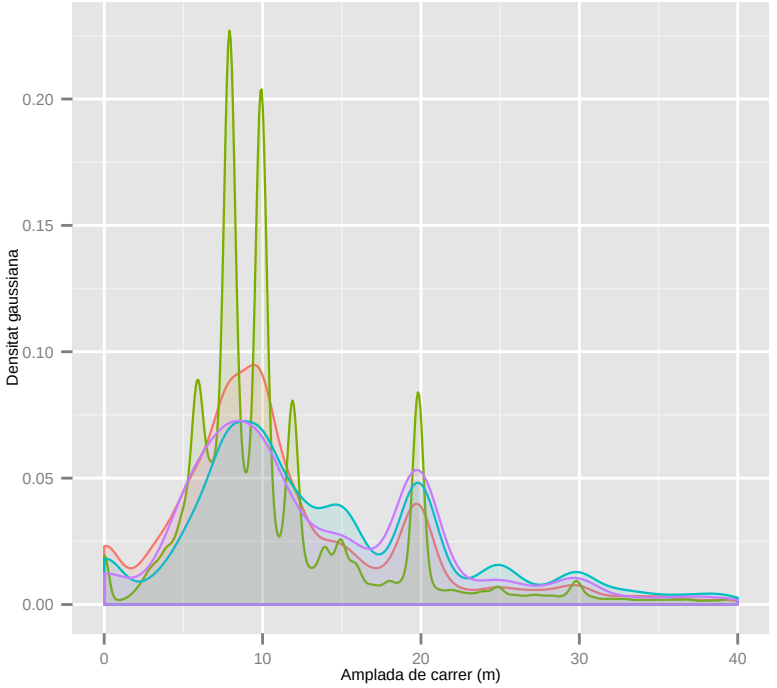
En aquest sentit la mitjana de l'amplada de carrer de tots els municipis de l'AMB és de 9,8 metres. Destaca novament Badia del Vallès amb una separació entre façanes extrema de 35 metres. Li segueixen de molt lluny els municipis de Sant Adrià de Besòs (11,9 m), Sant Feliu de Llobregat (11,85 m), o Molins de Rei (11,2 m) entre d'altres. Per la Banda contraria es troben Torrelles de Llobregat (7,62 m) o Sant Climent de Llobregat (7,45 m).

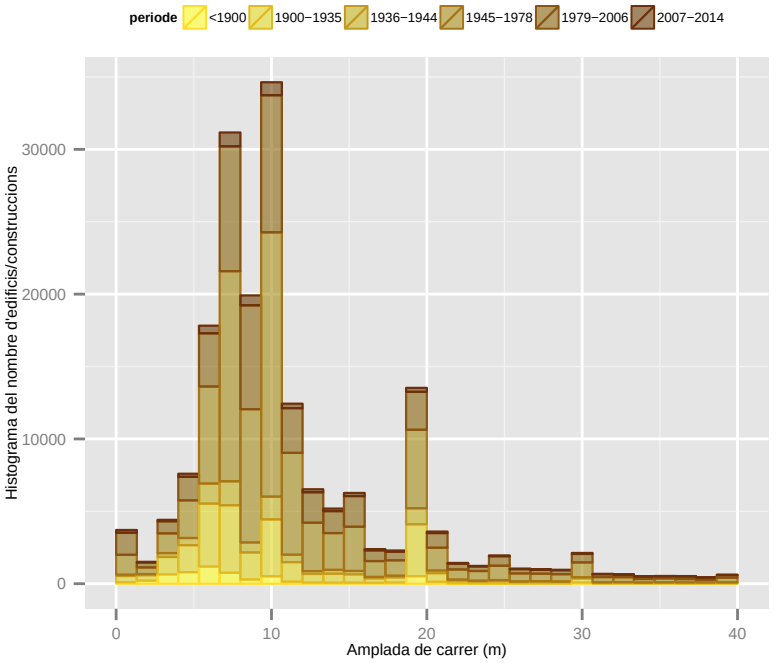
Incidència en el consum d'energia:

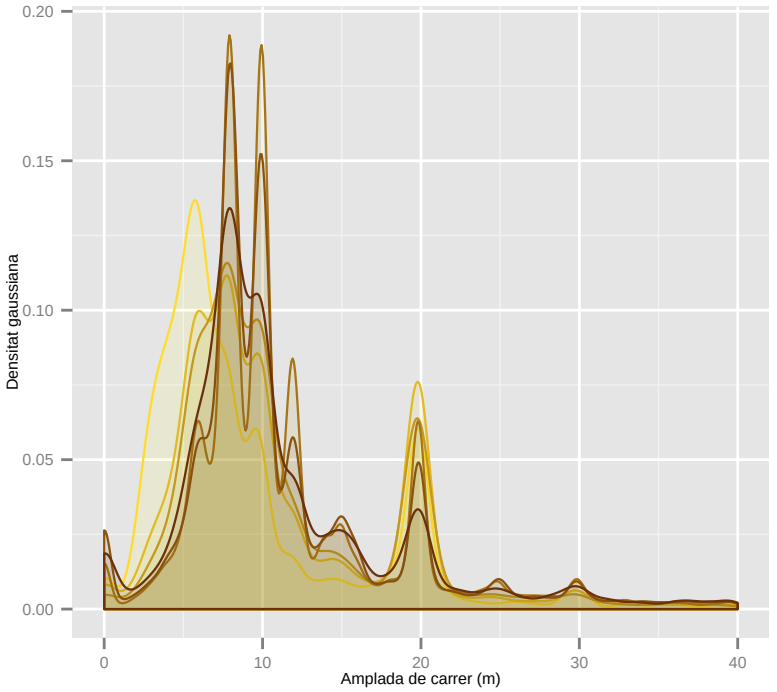
Una major o menor amplada de carrer no afecta directament al consum energètic dels edificis. El factor més important en aquest sentit, per un tema de ombres i d'accés al sol, és la relació entre l'amplada de carrer i l'alçada dels edificis que hi ha davant el carrer, lo que es coneix com el UCR o UrbanStreet Canyon, analitzat més endavant.

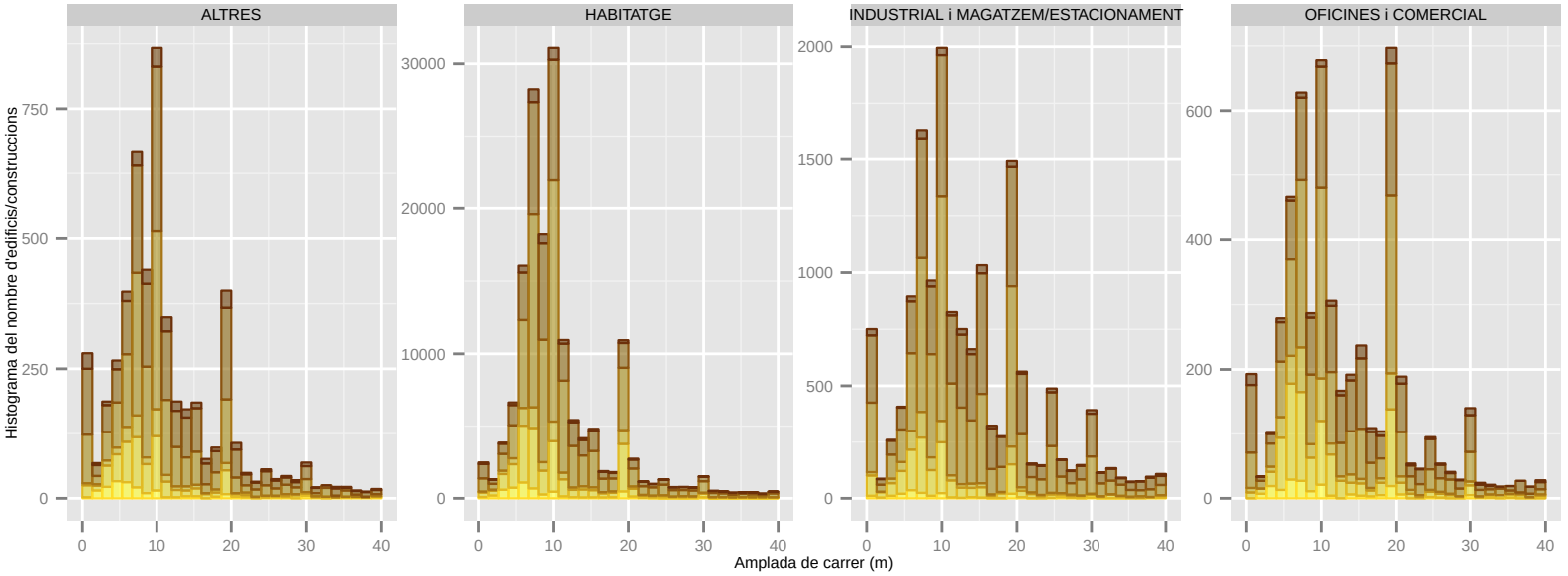
Amplada de carrer (m): AMB





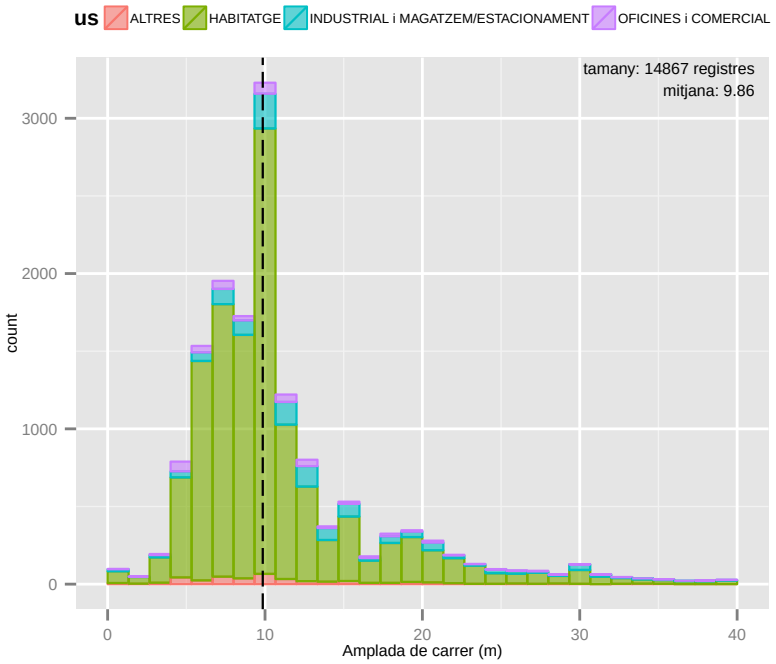


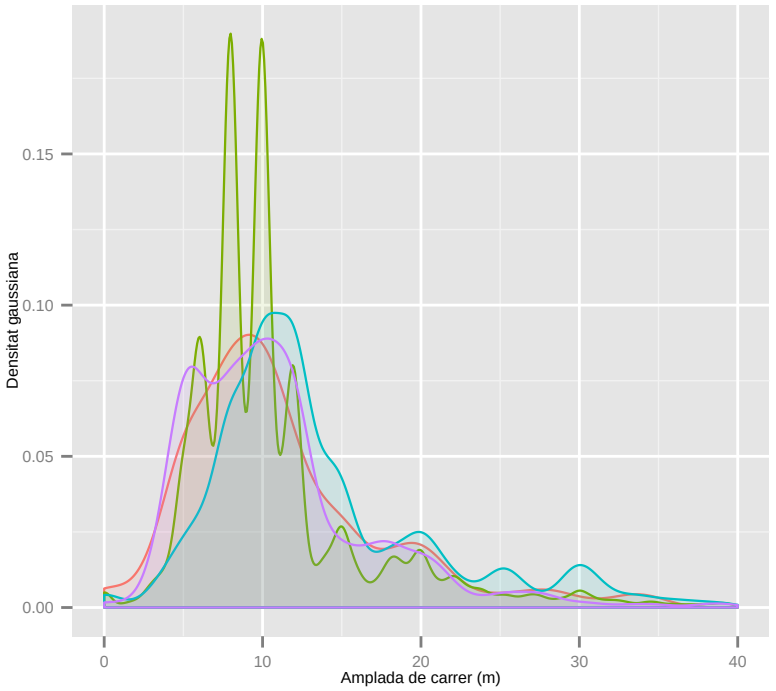


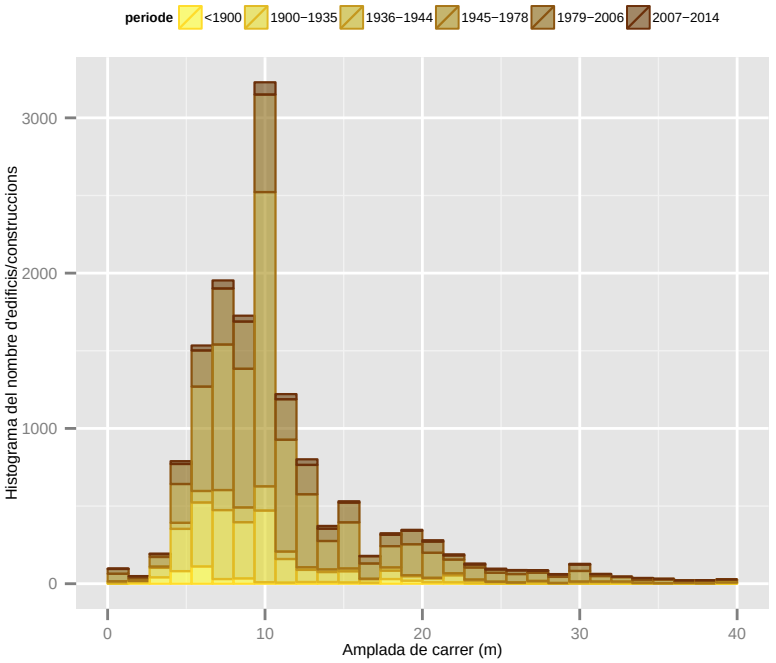


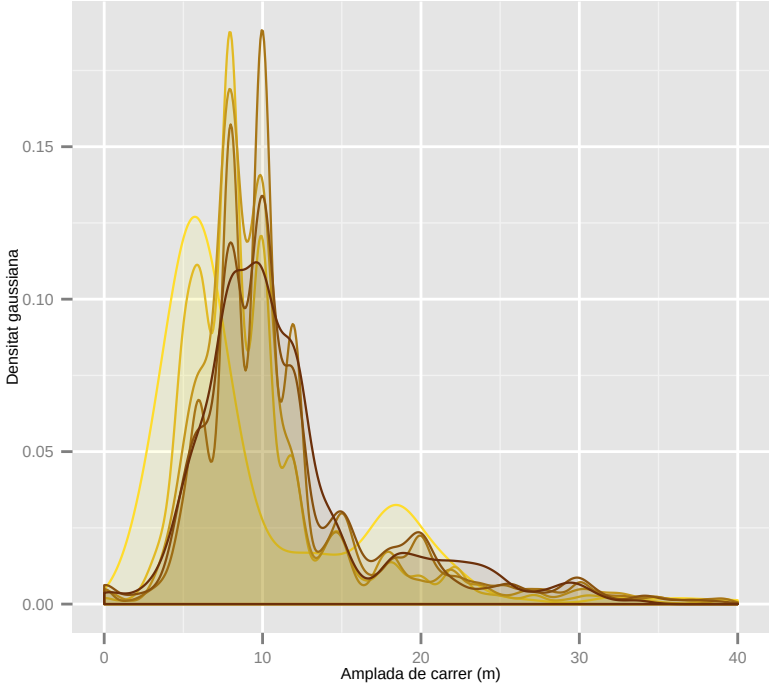
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

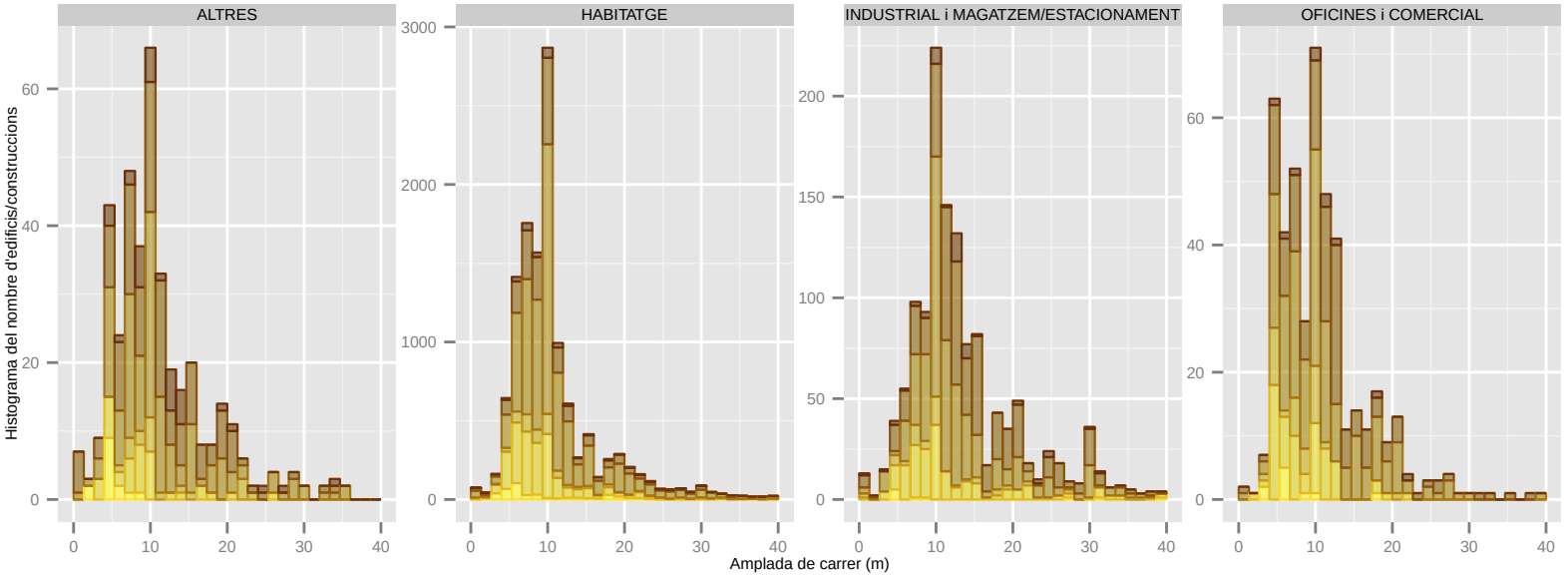
Amplada de carrer (m): BADALONA











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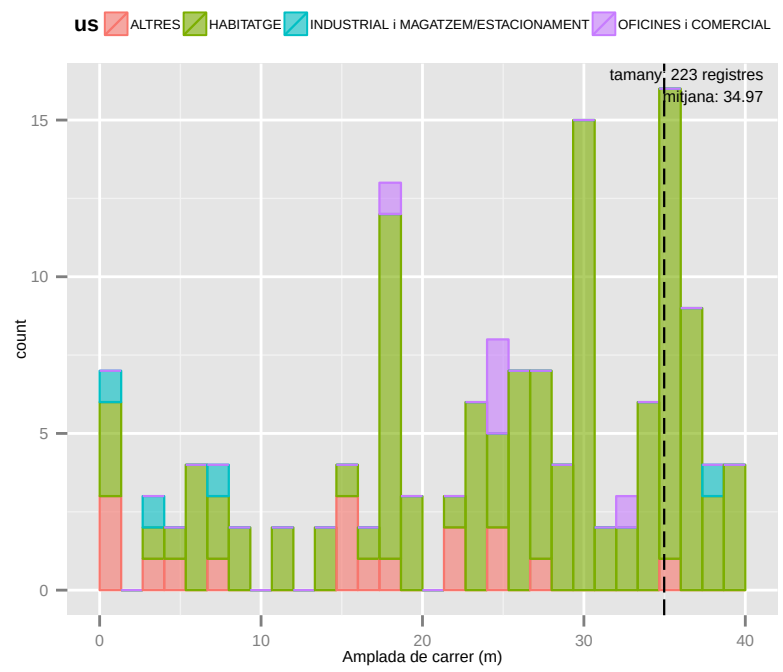
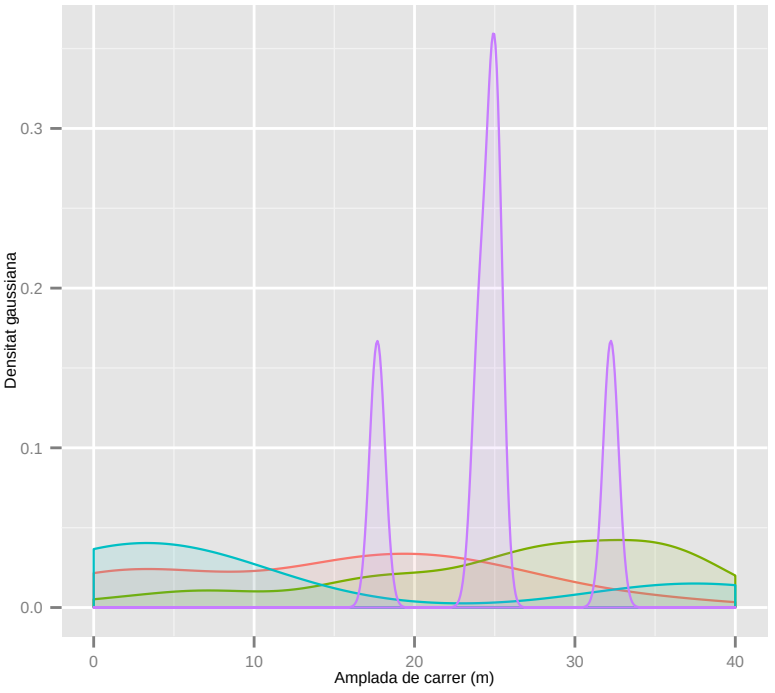
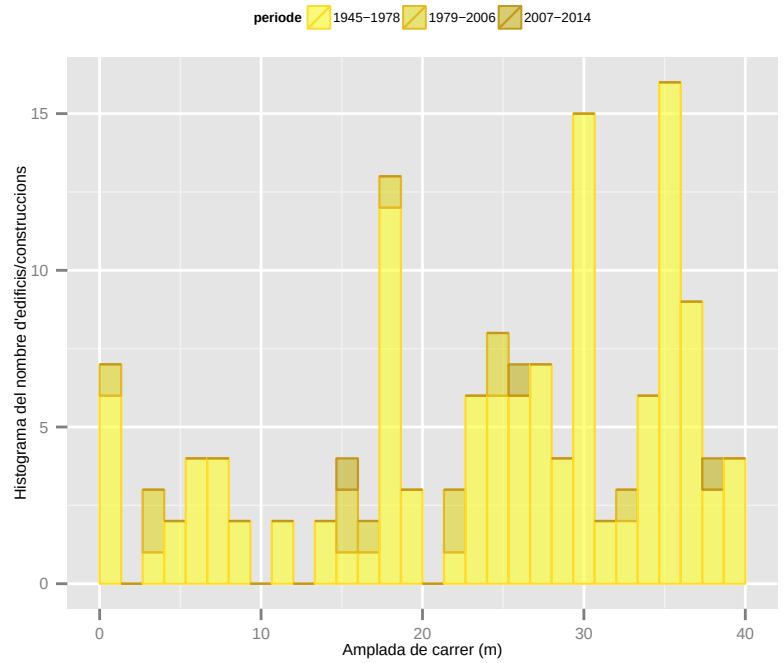
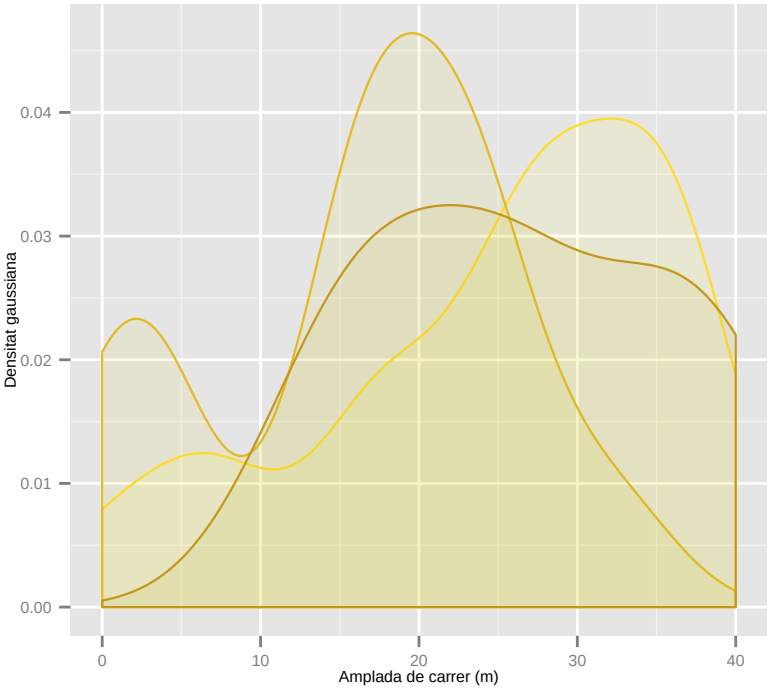
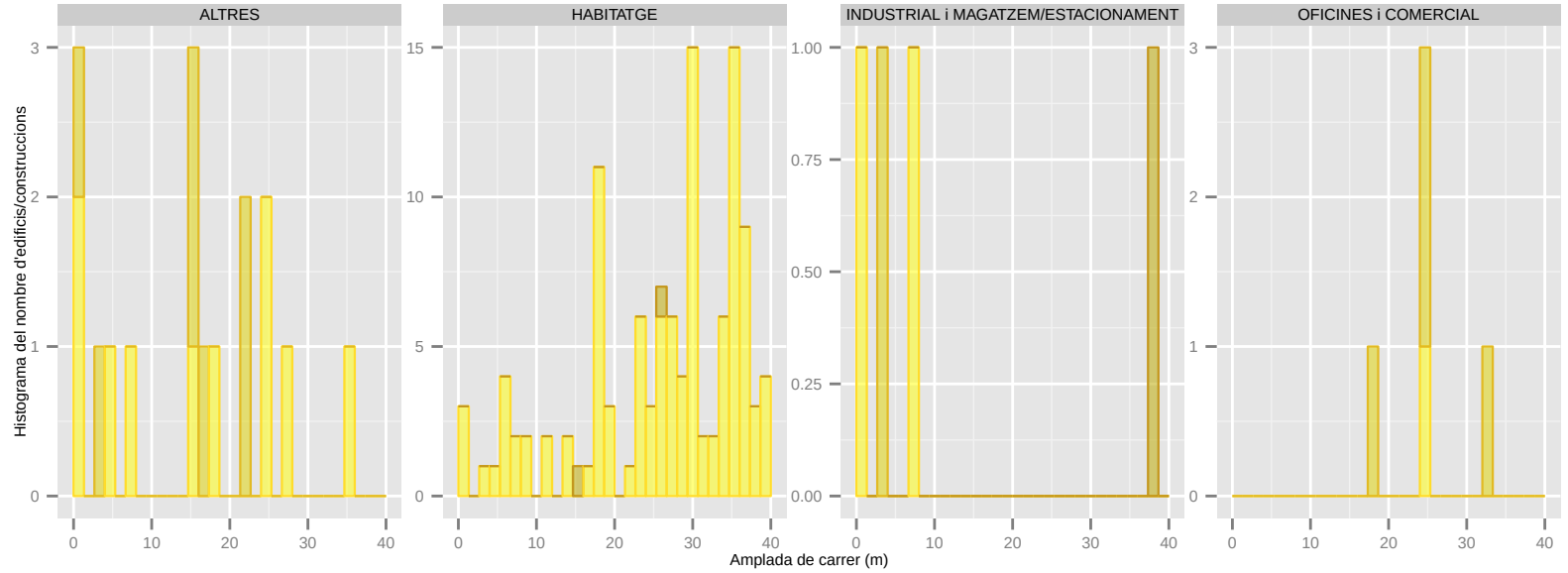
Amplada de carrer (m): BADIA DEL VALLES





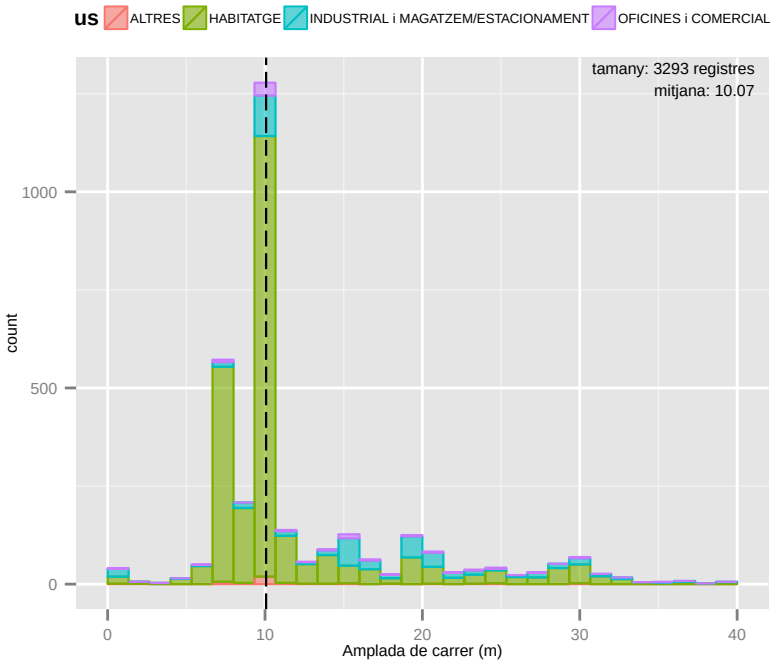


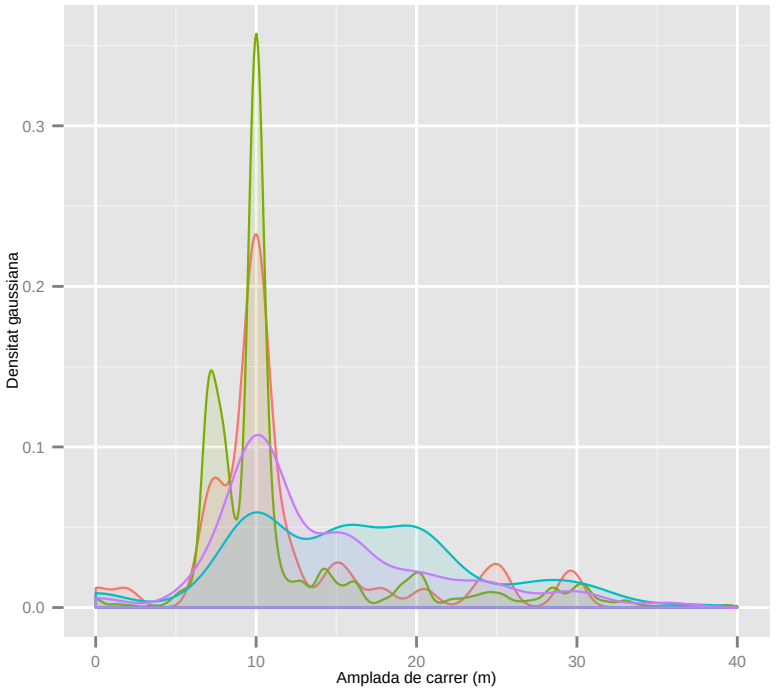


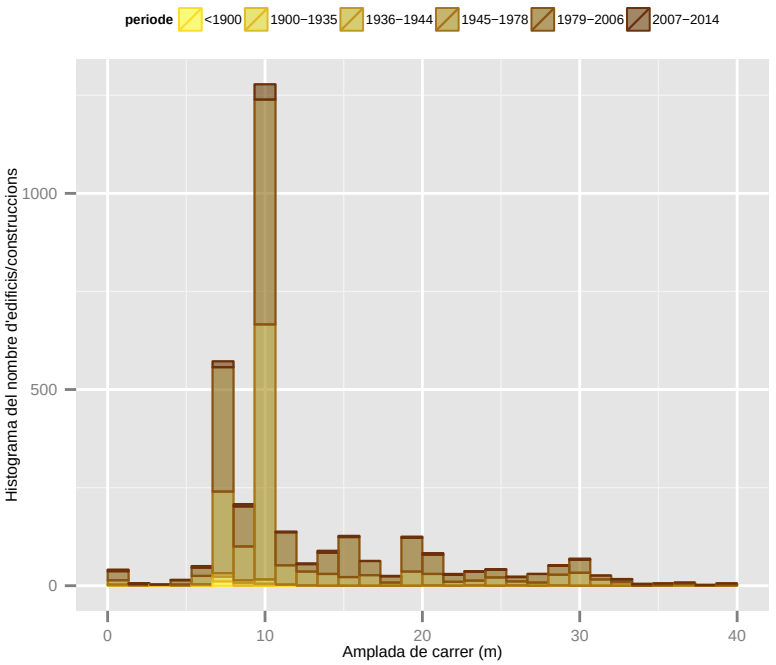


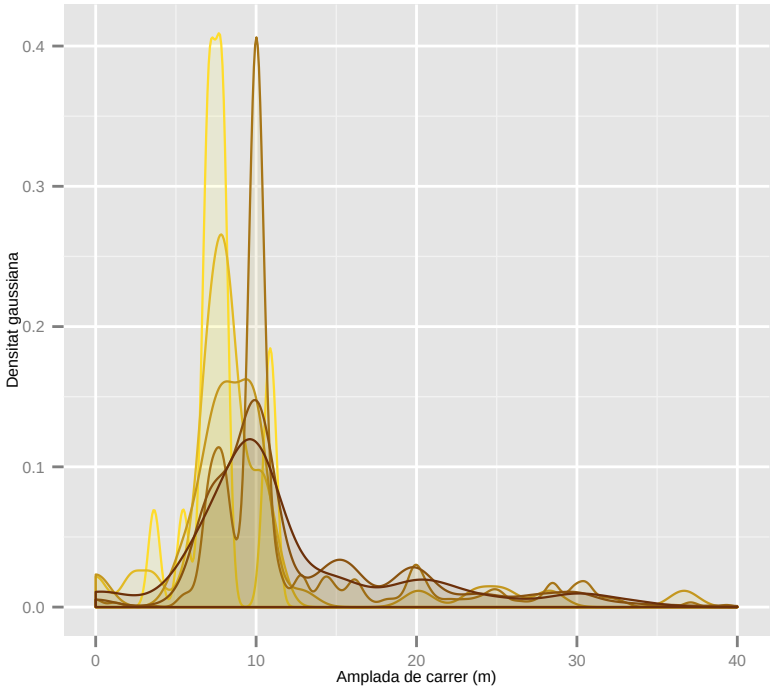
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

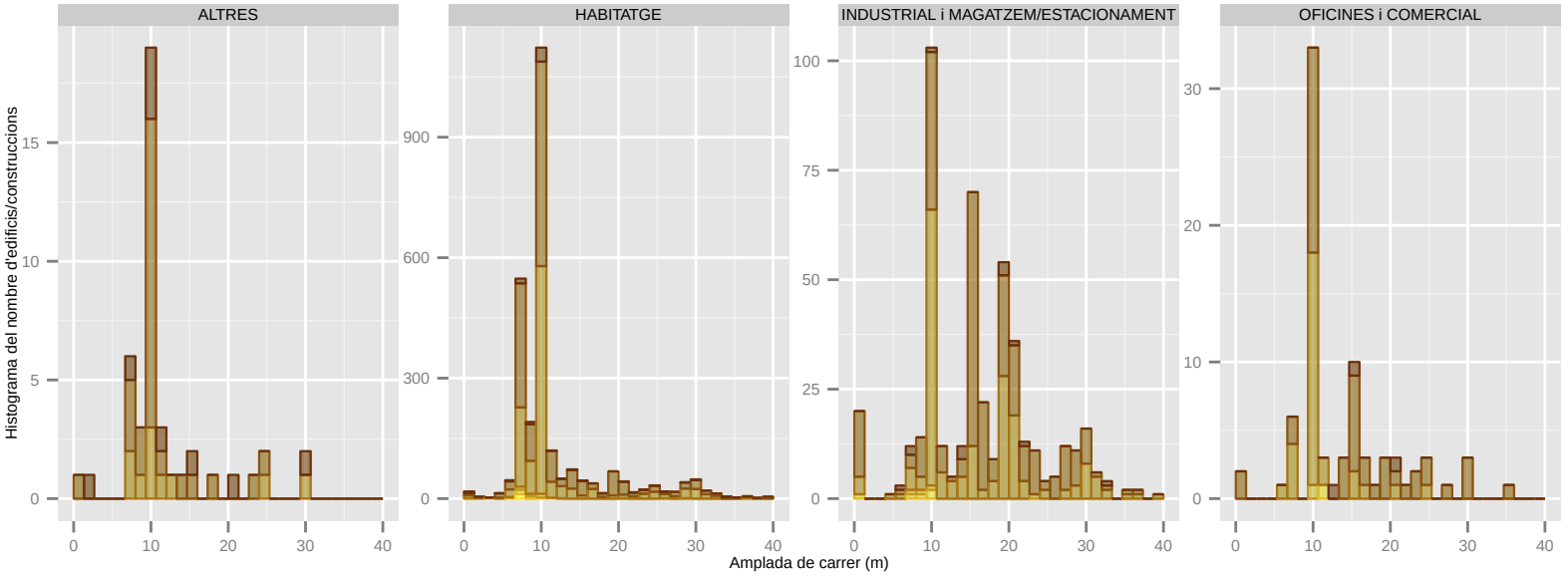
Amplada de carrer (m): BARBERA DEL VALLES





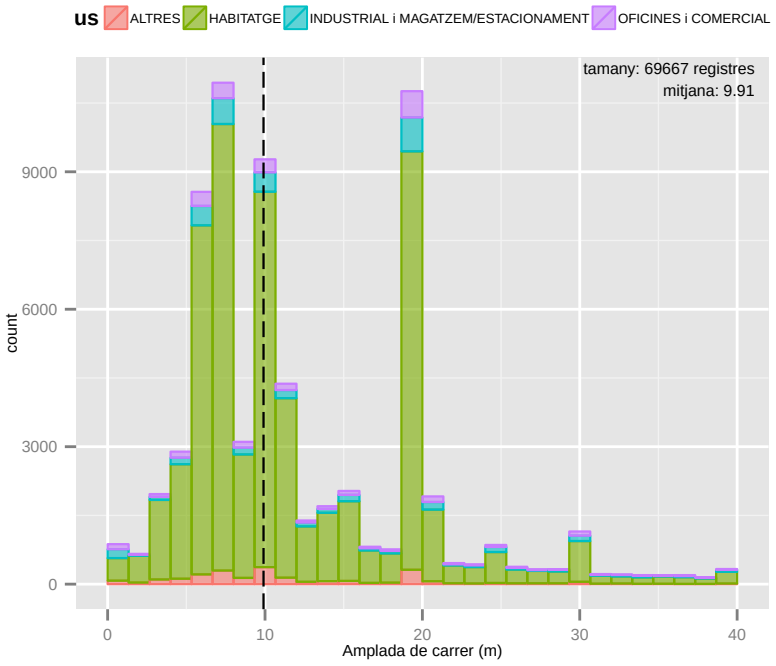


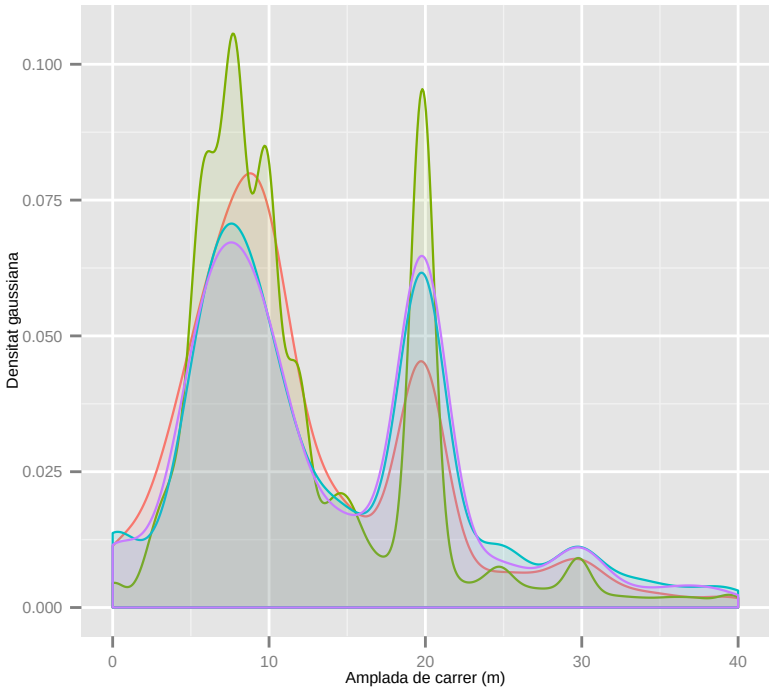


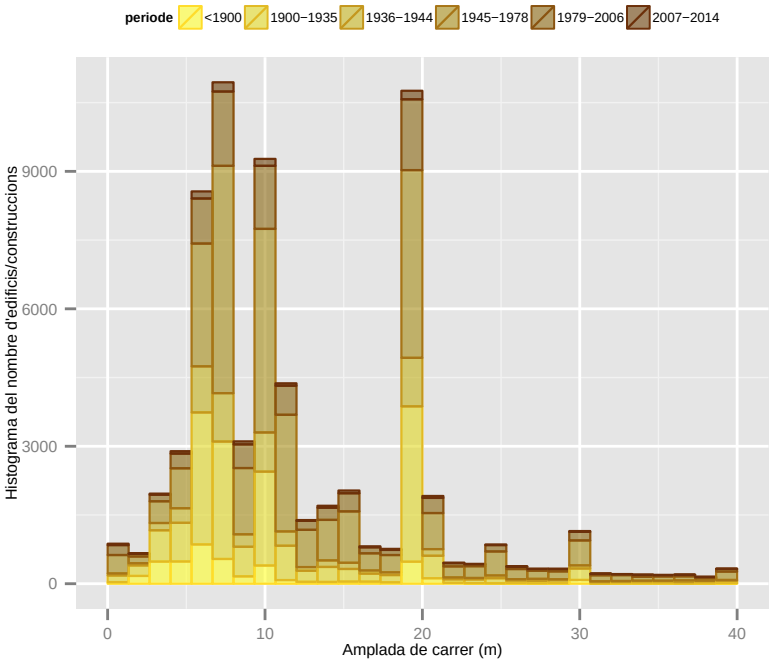


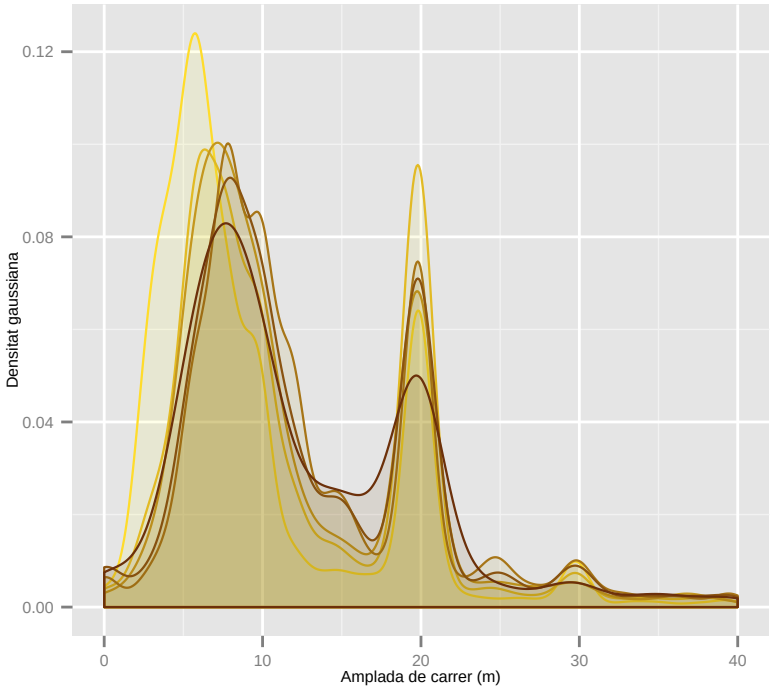
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

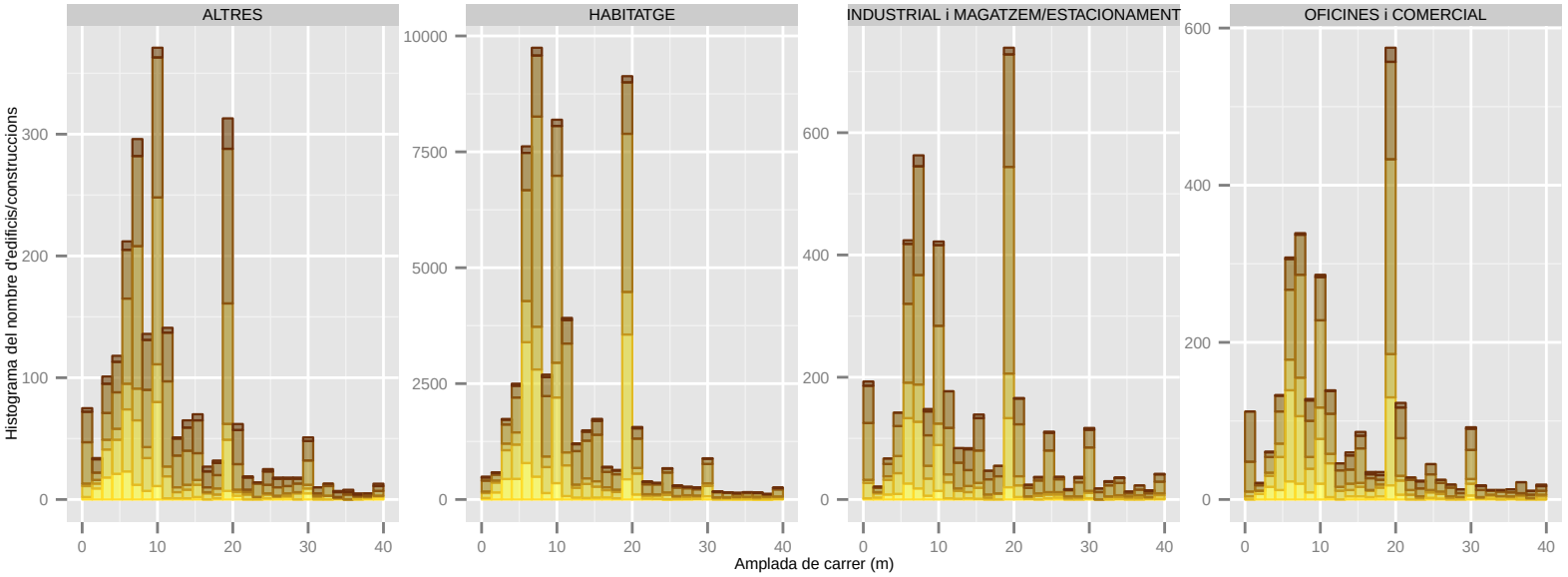
Amplada de carrer (m): BARCELONA





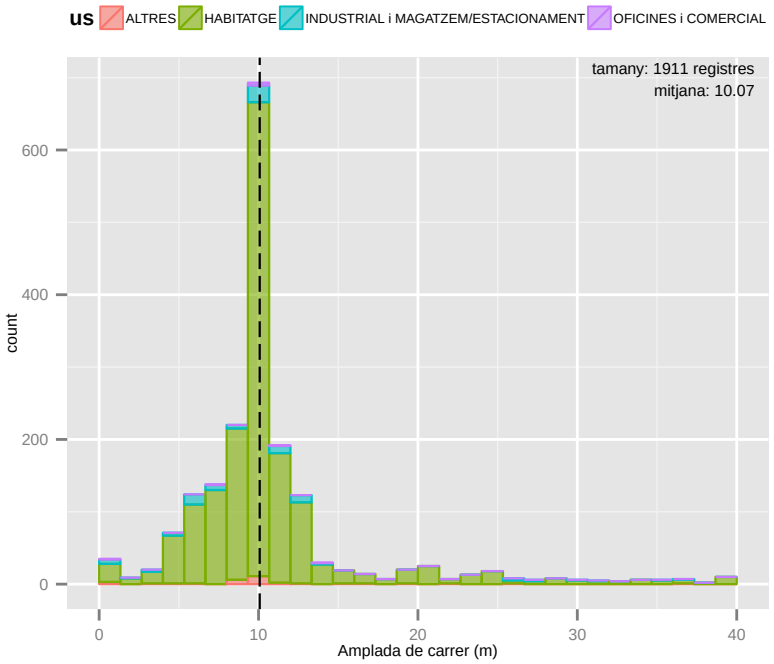


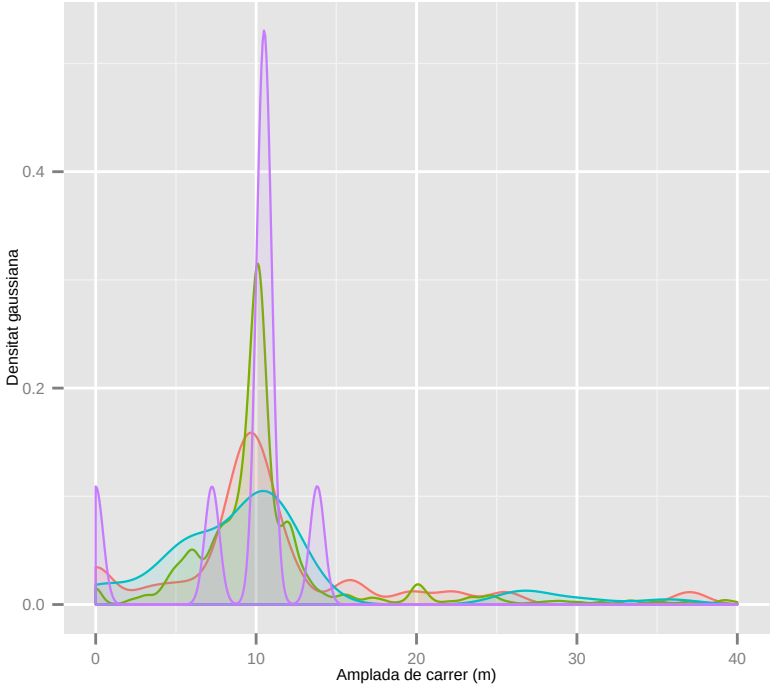


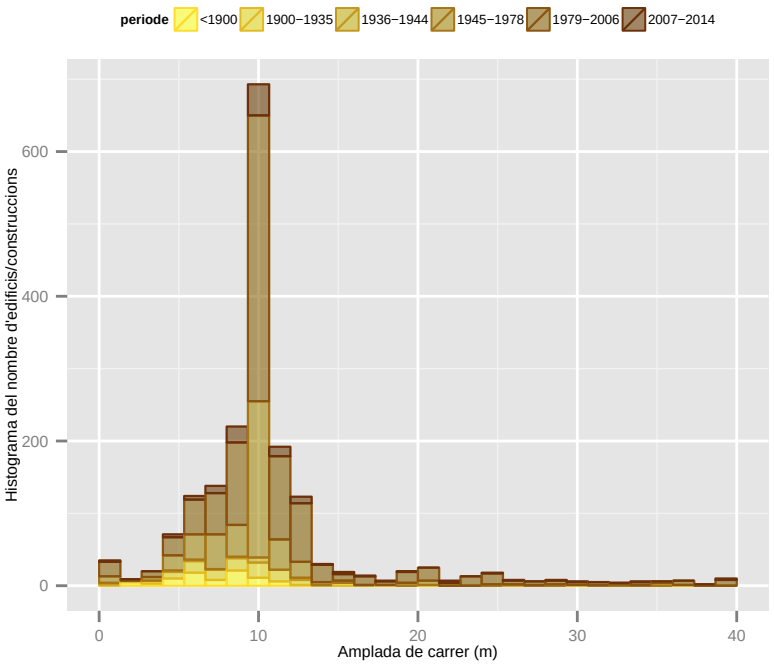


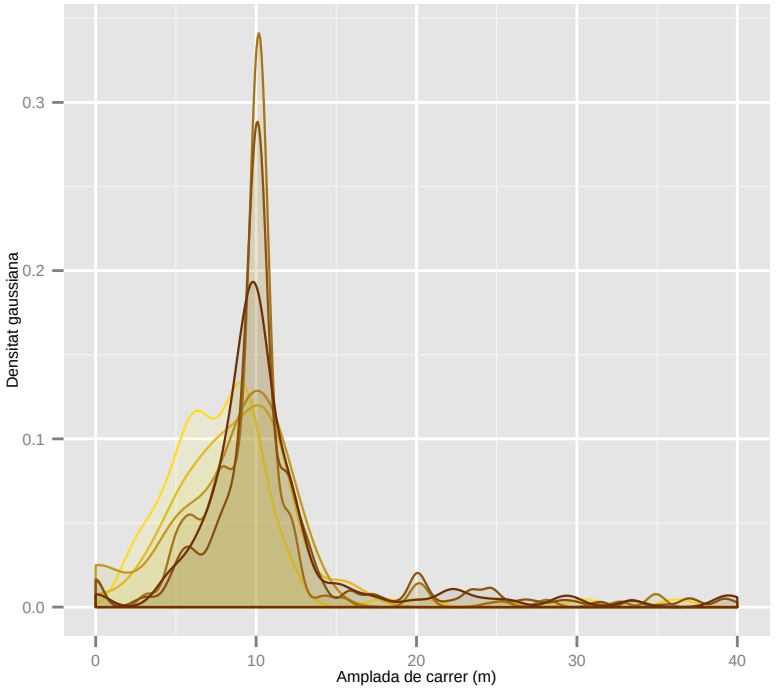
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

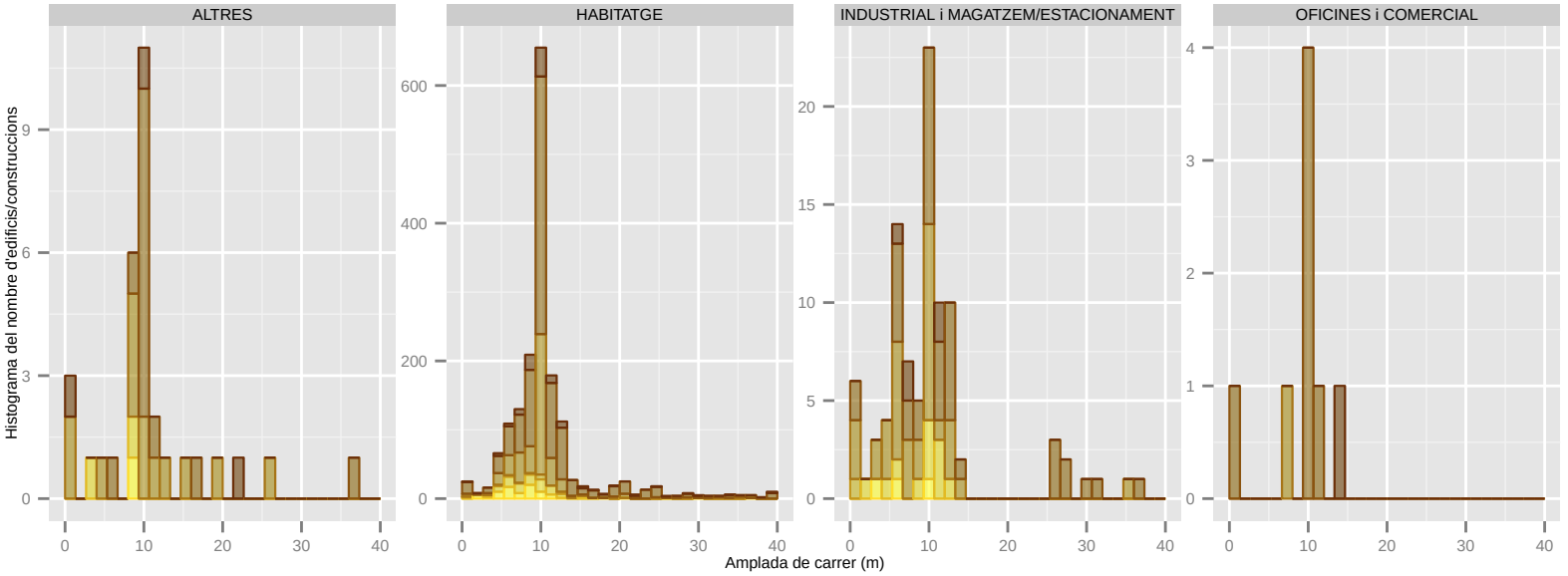
Amplada de carrer (m): BEGUES





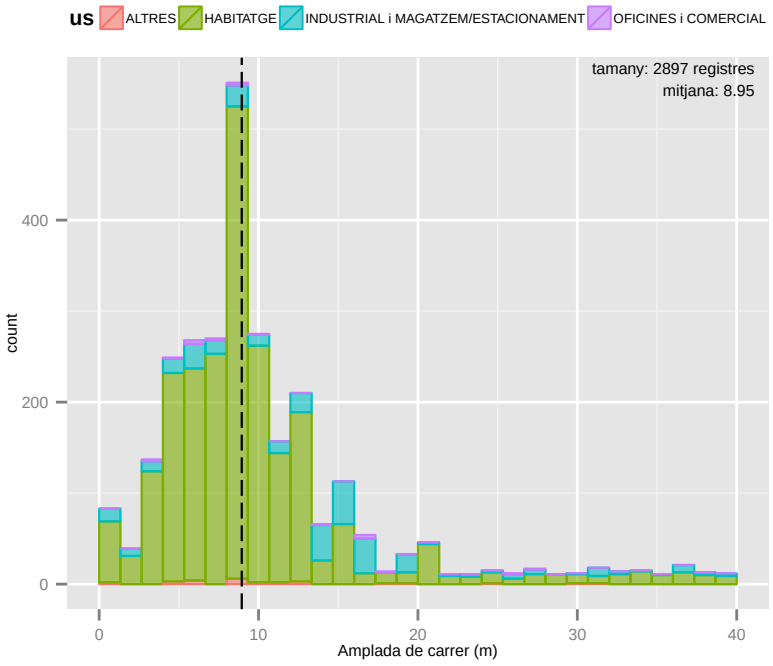


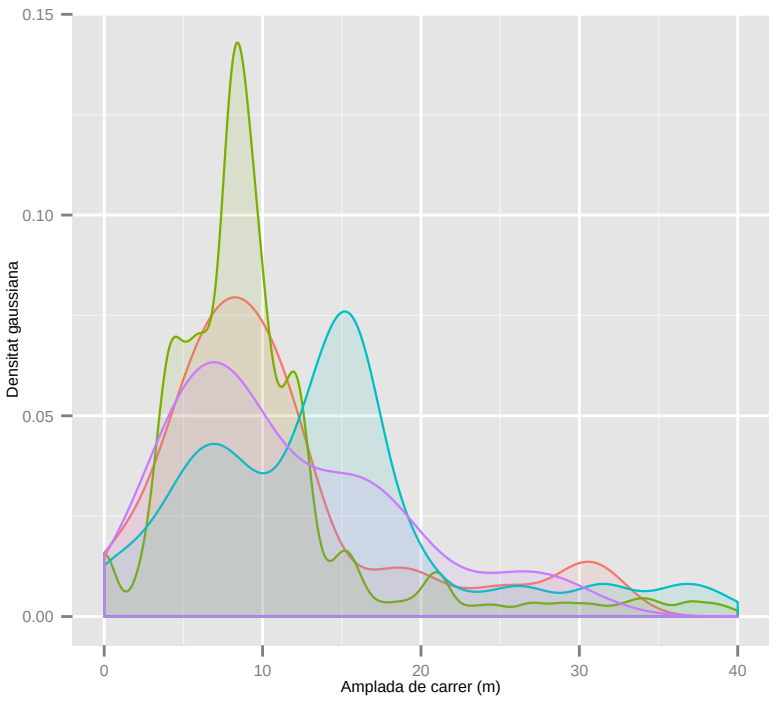


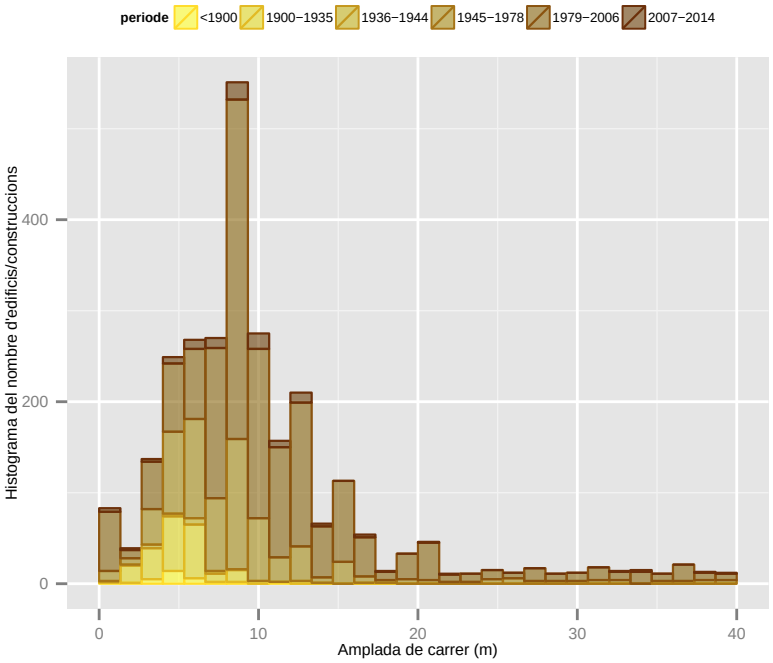


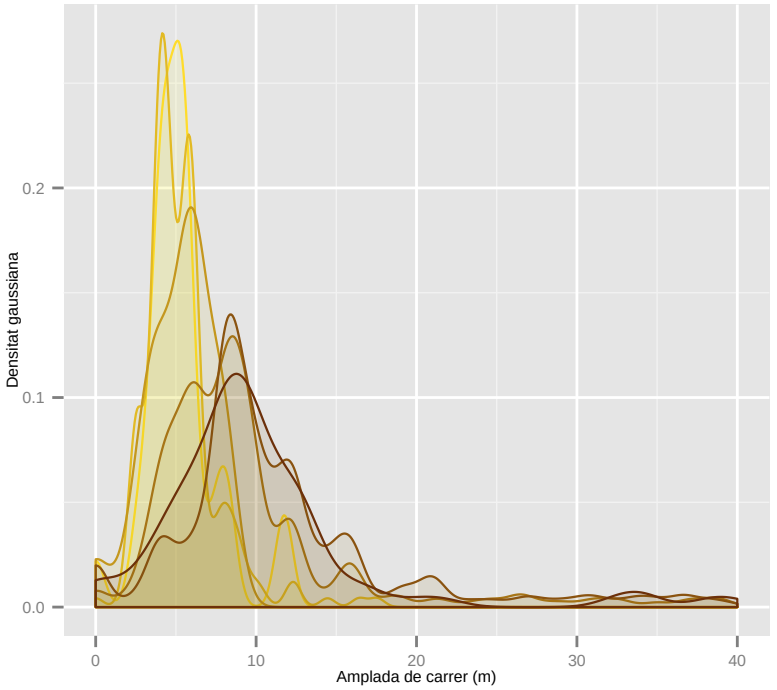
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

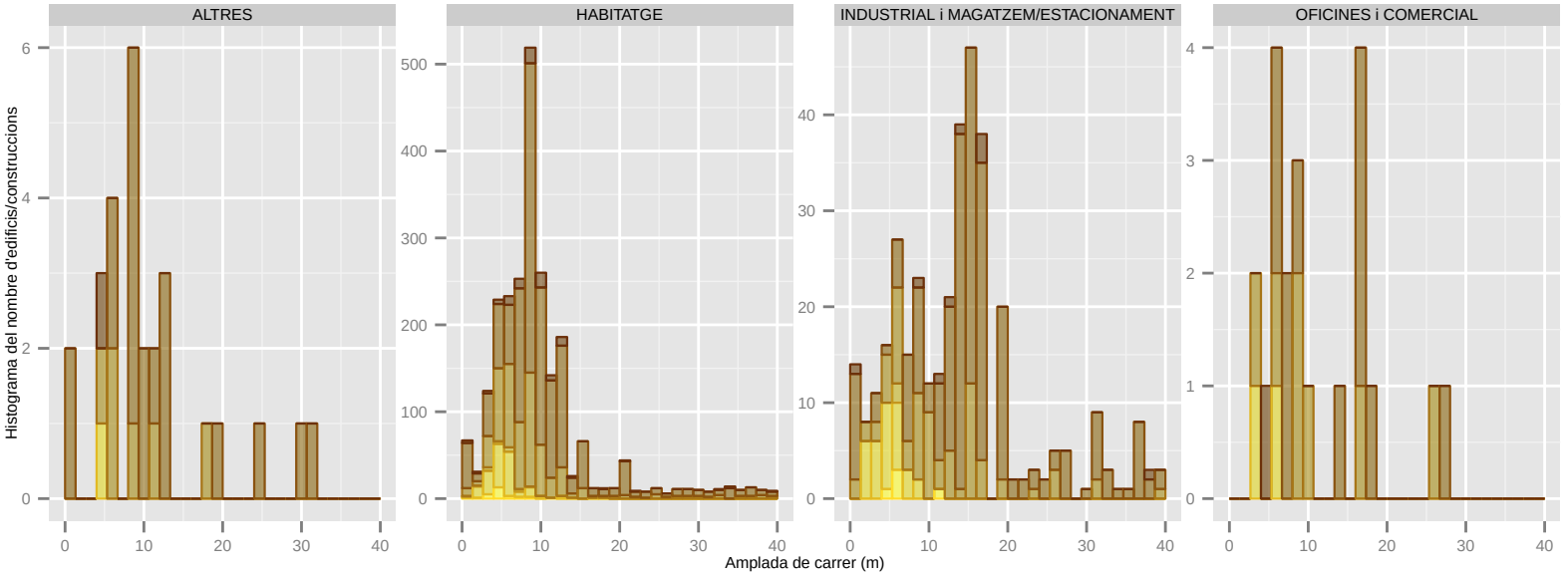
Amplada de carrer (m): CASTELLBISBAL





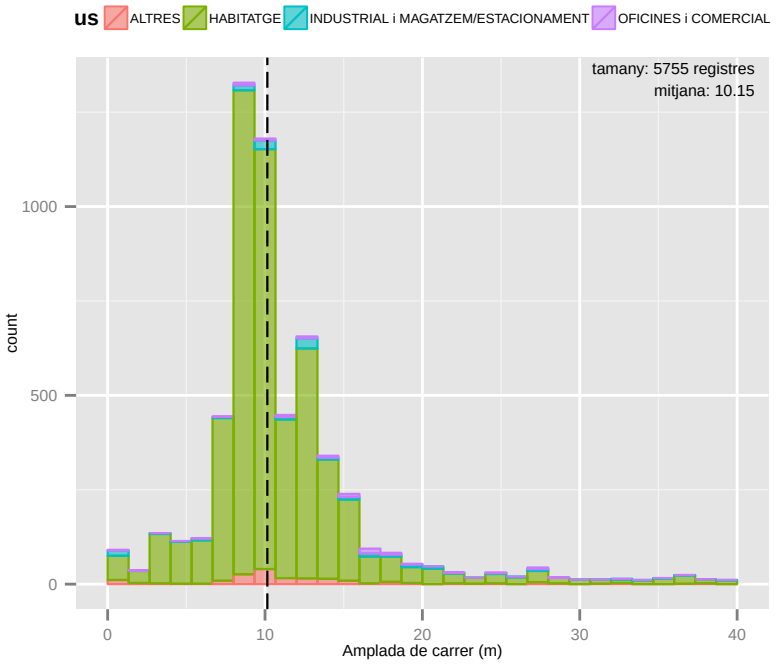


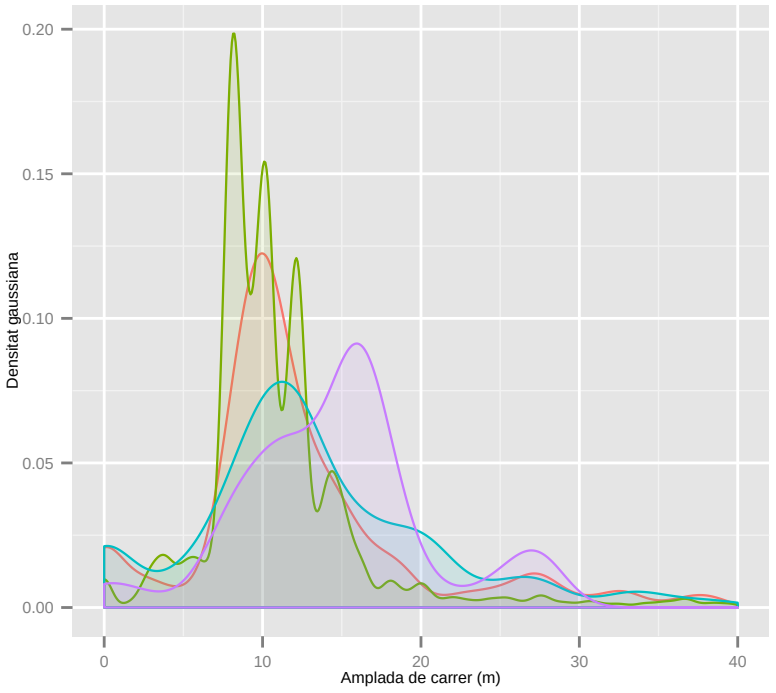


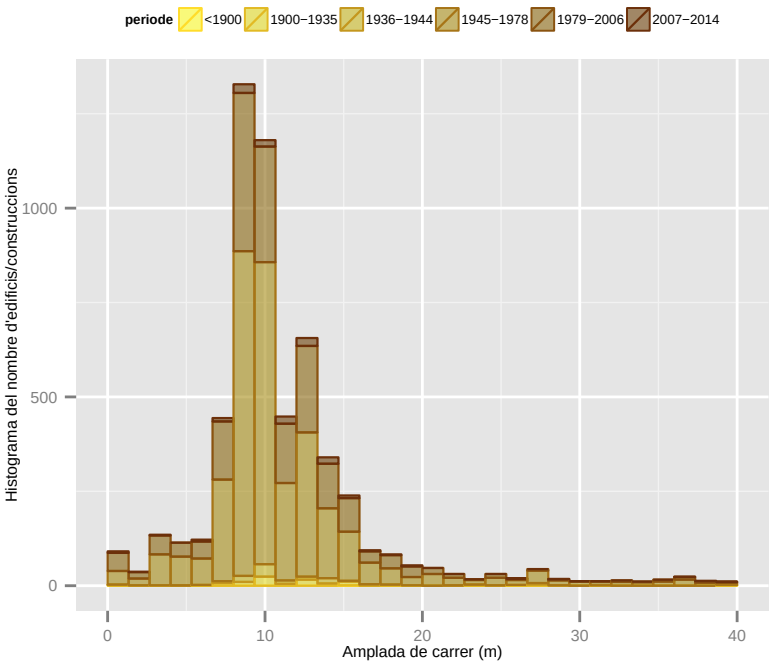


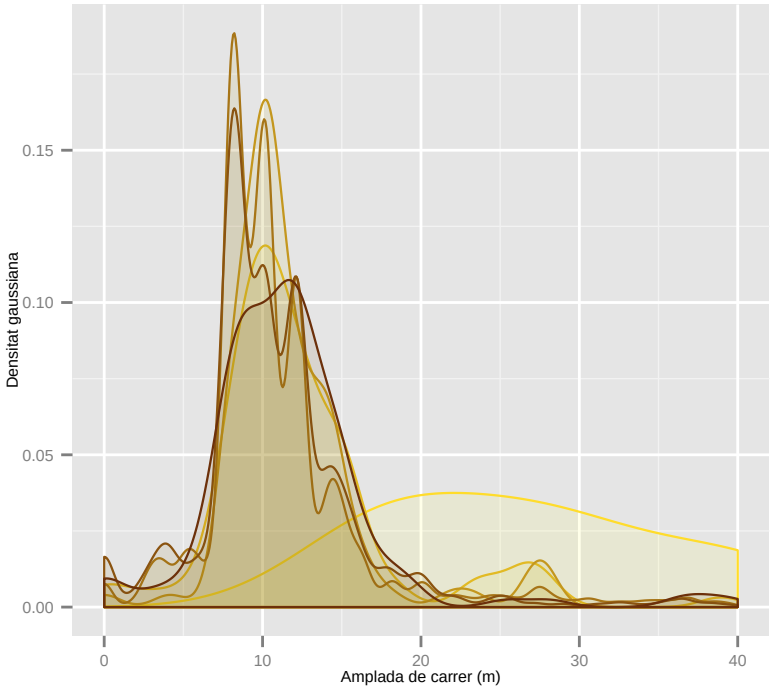
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

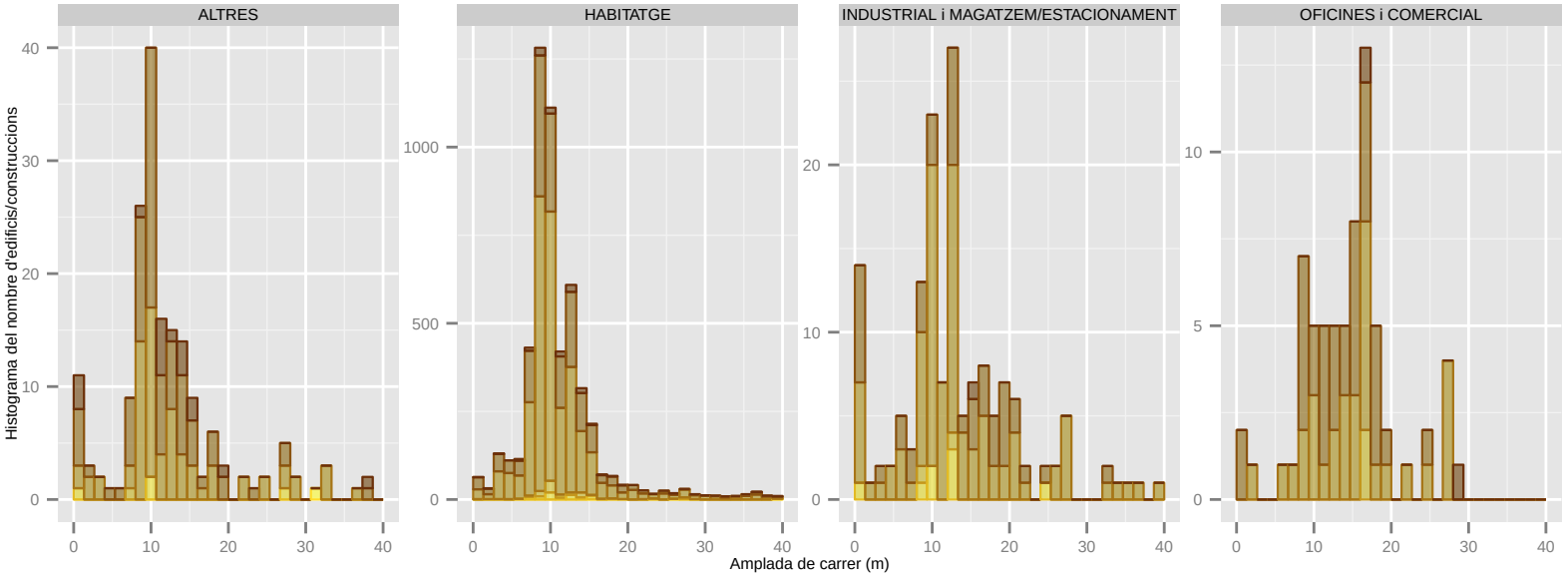
Amplada de carrer (m): CASTELLDEFELS





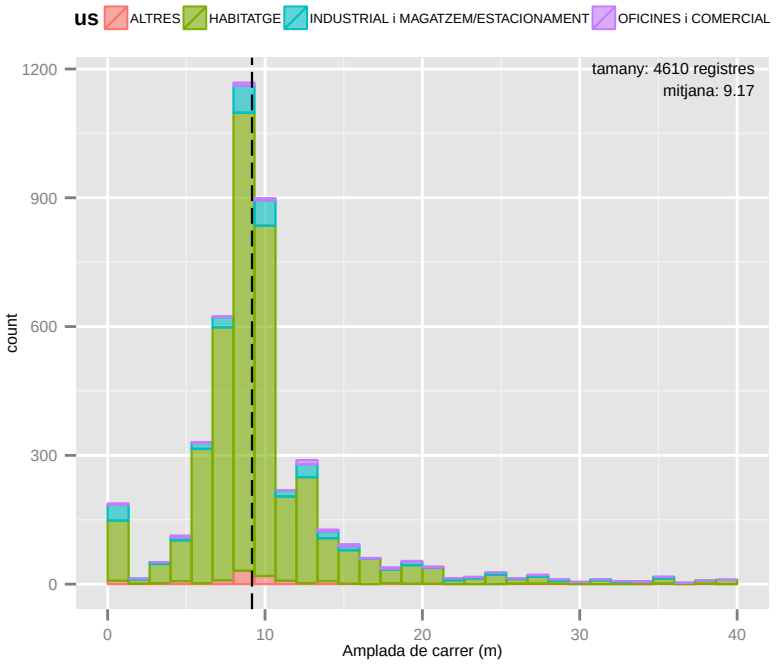


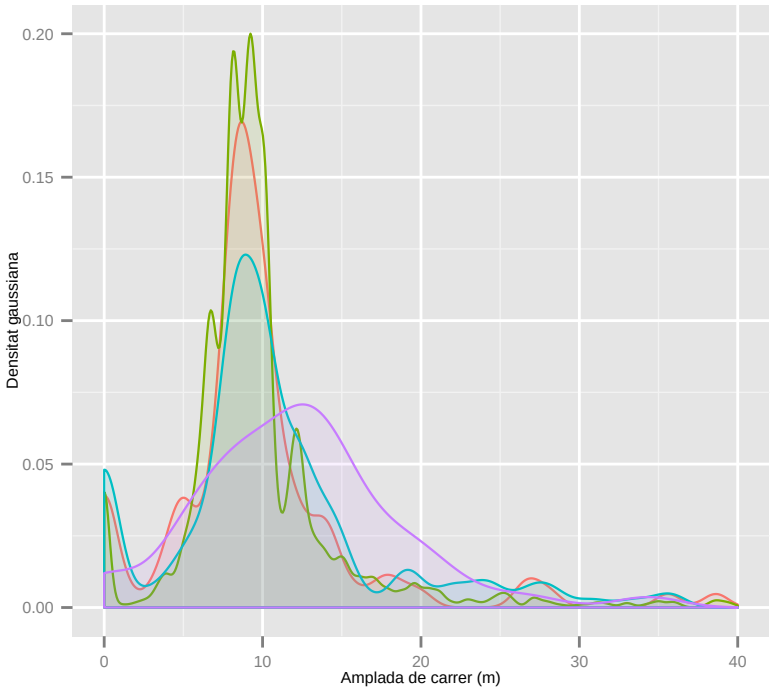


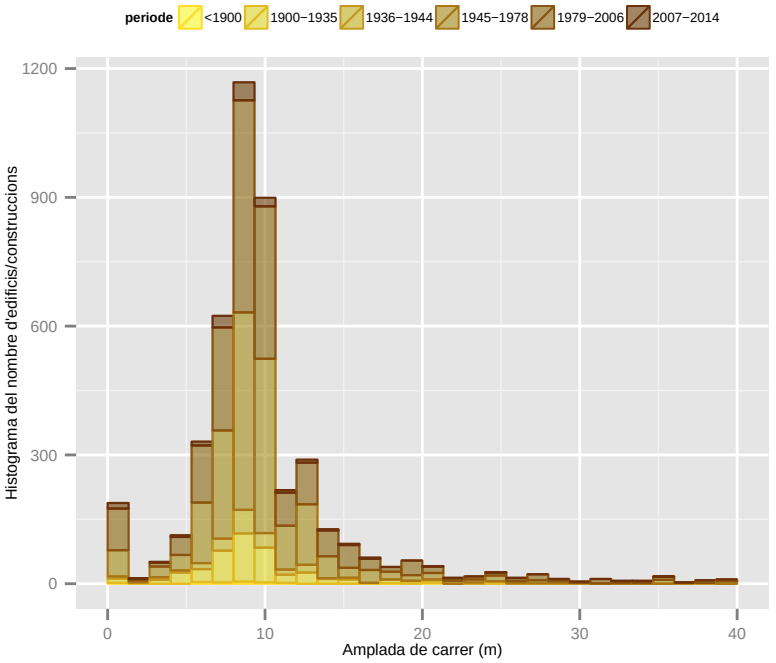


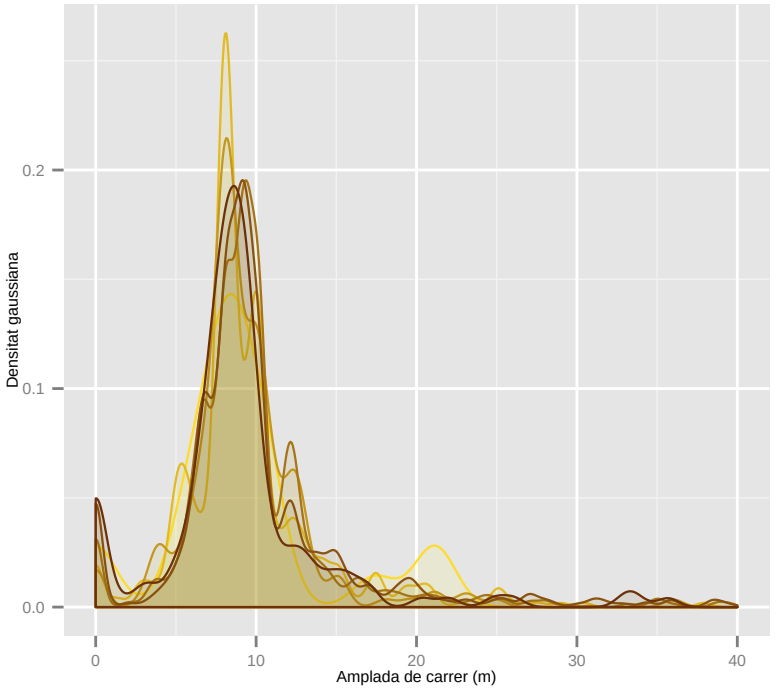
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

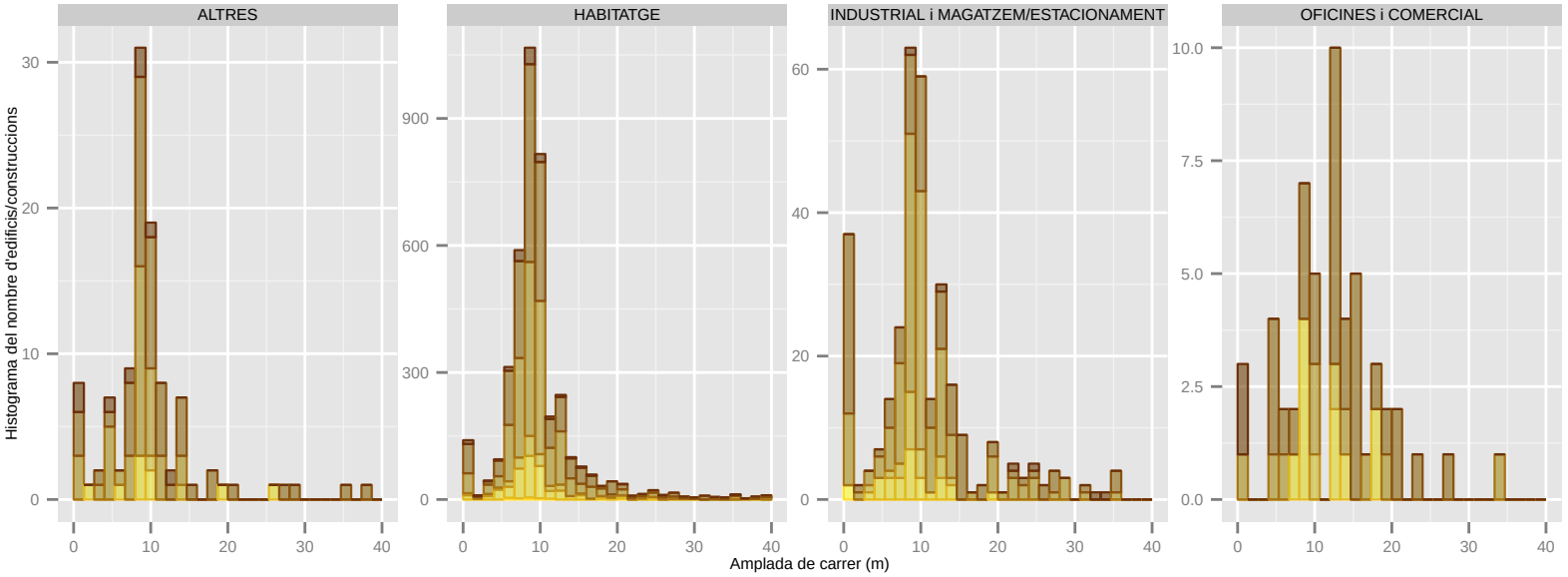
Amplada de carrer (m): CERDANYOLA DEL VALLES





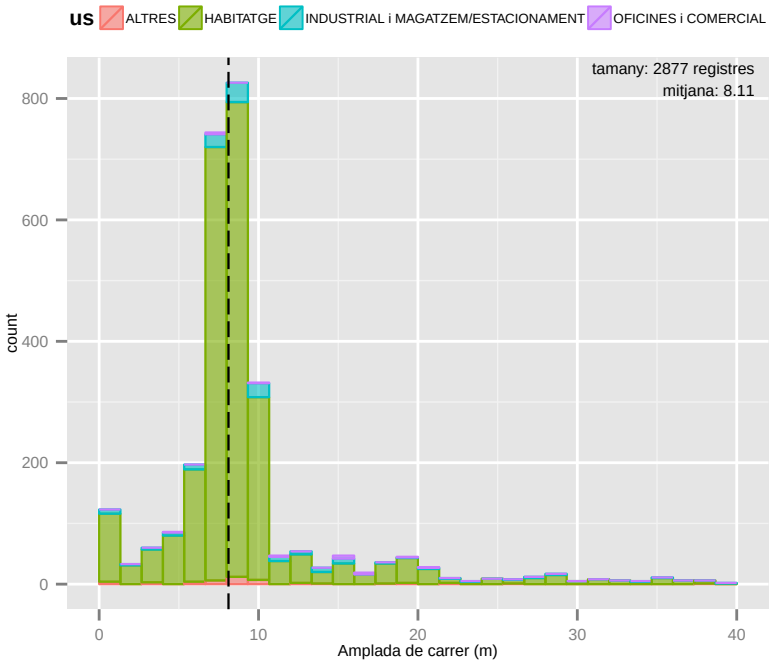


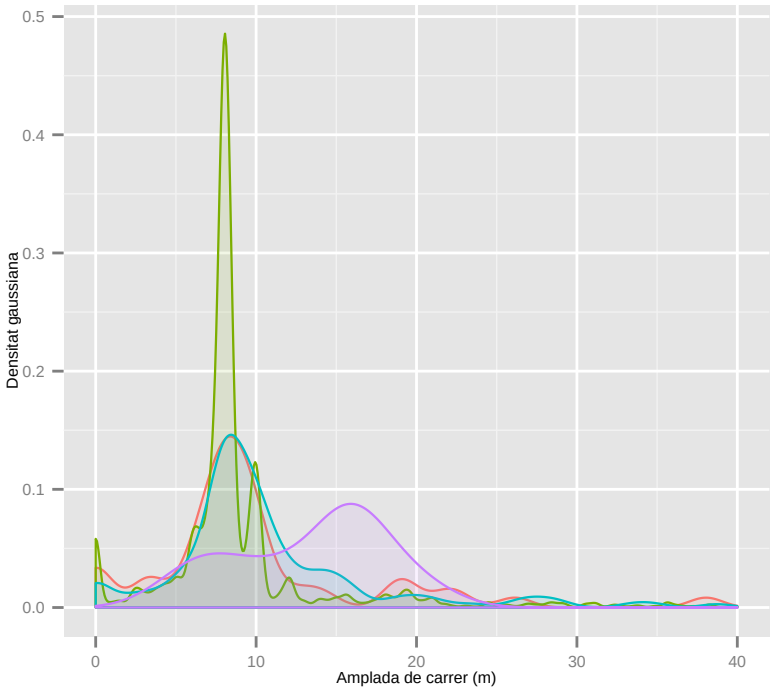


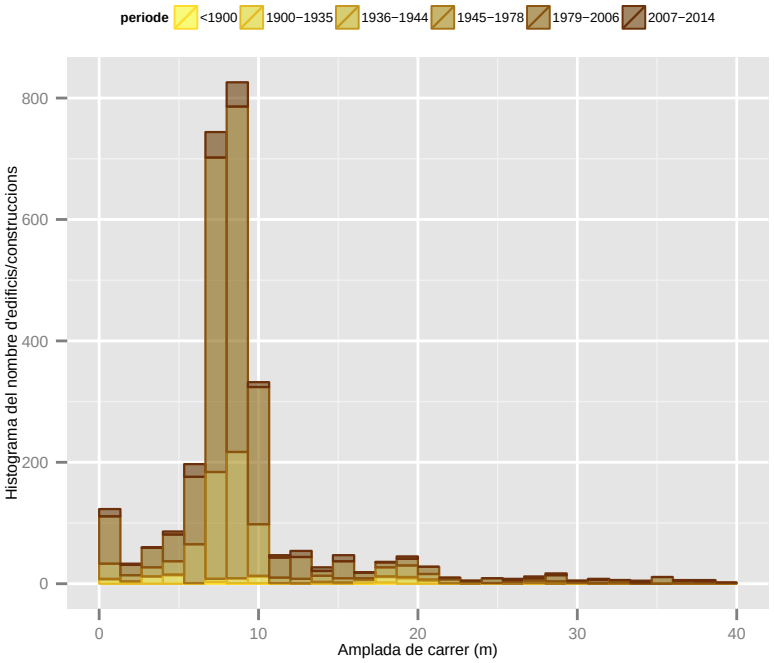


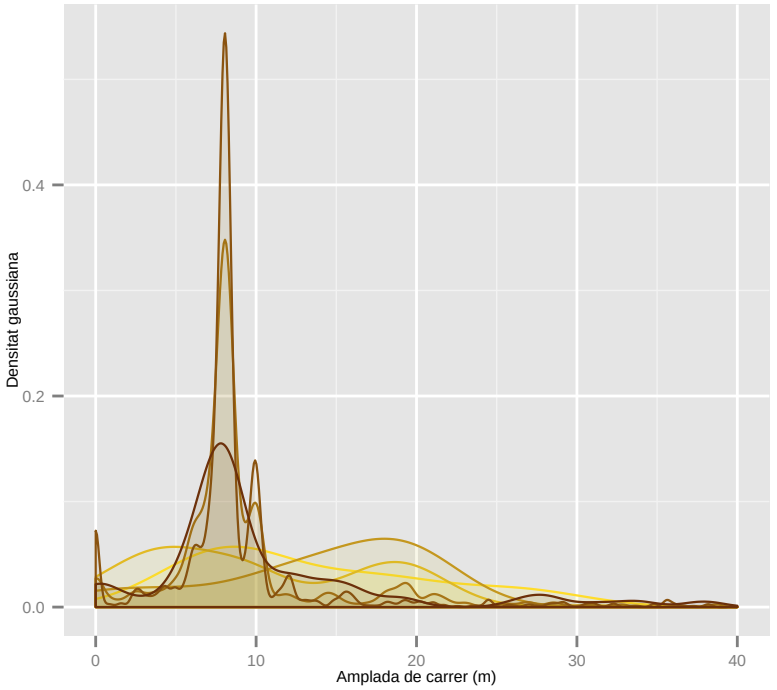
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

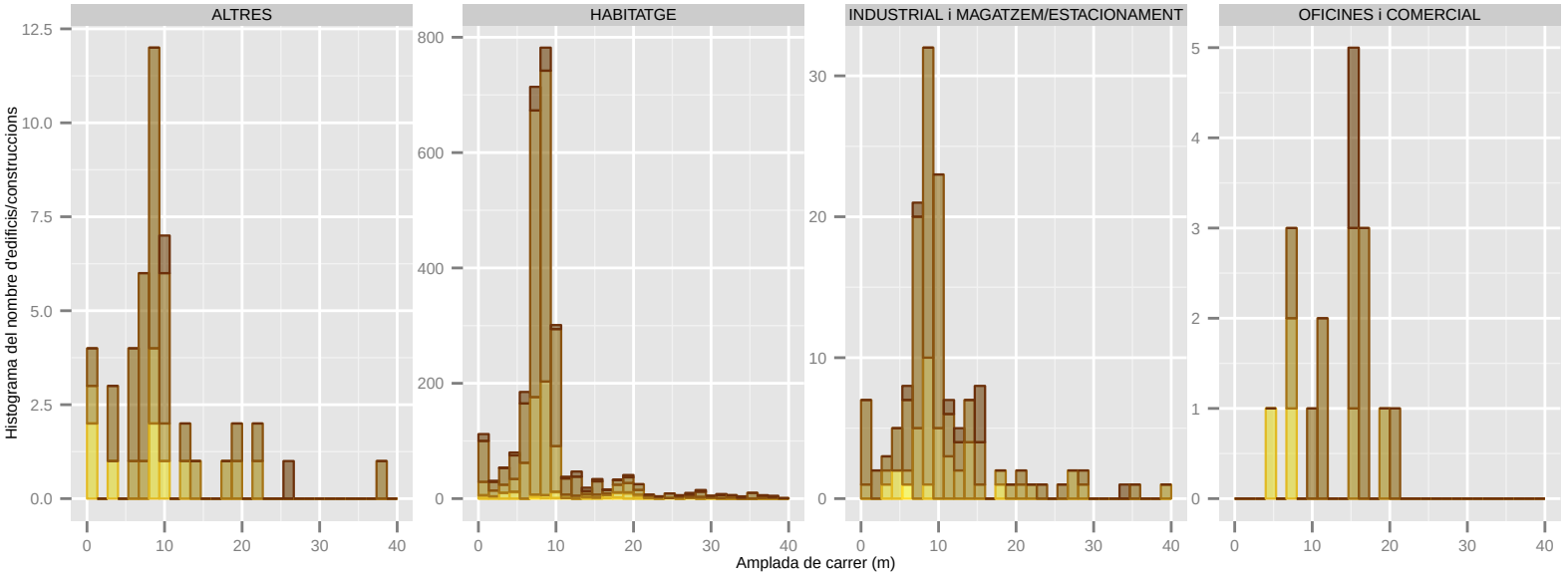
Amplada de carrer (m): CERVELLO





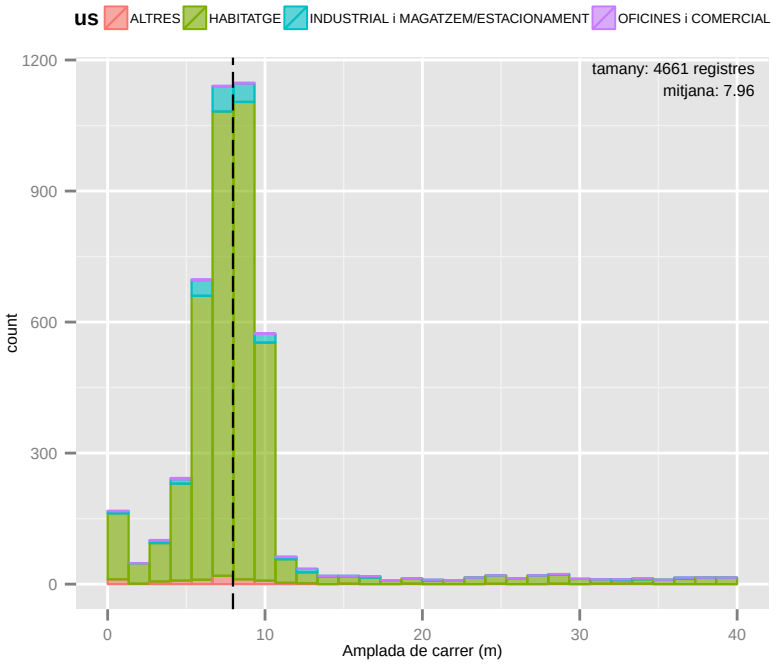


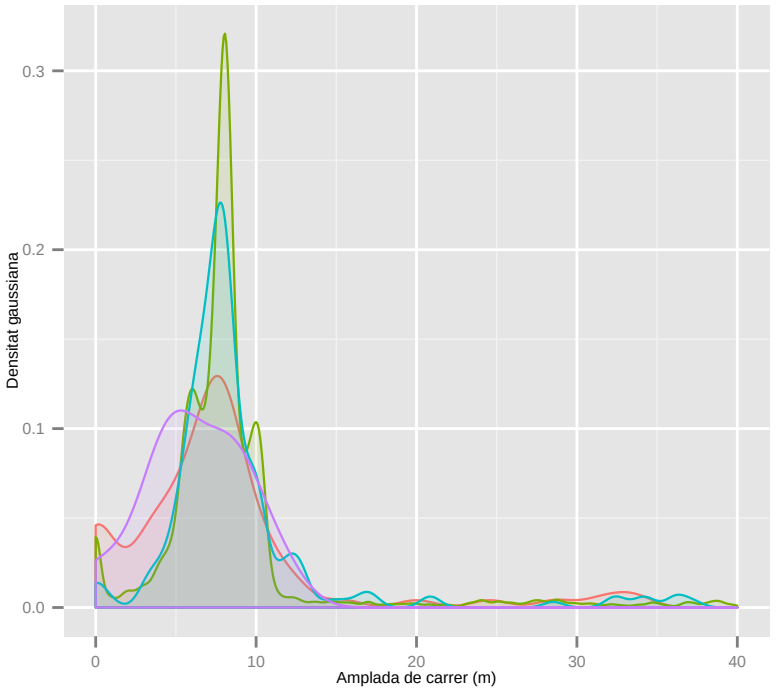


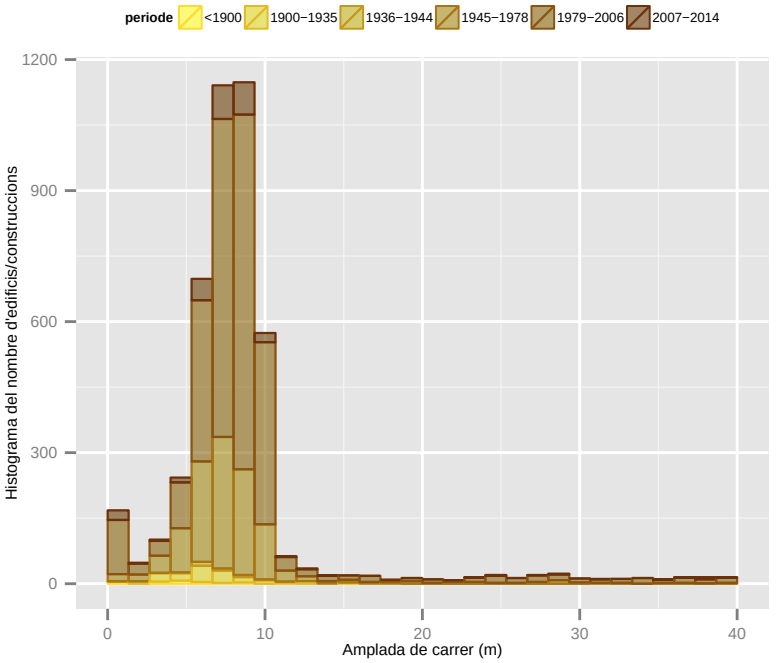


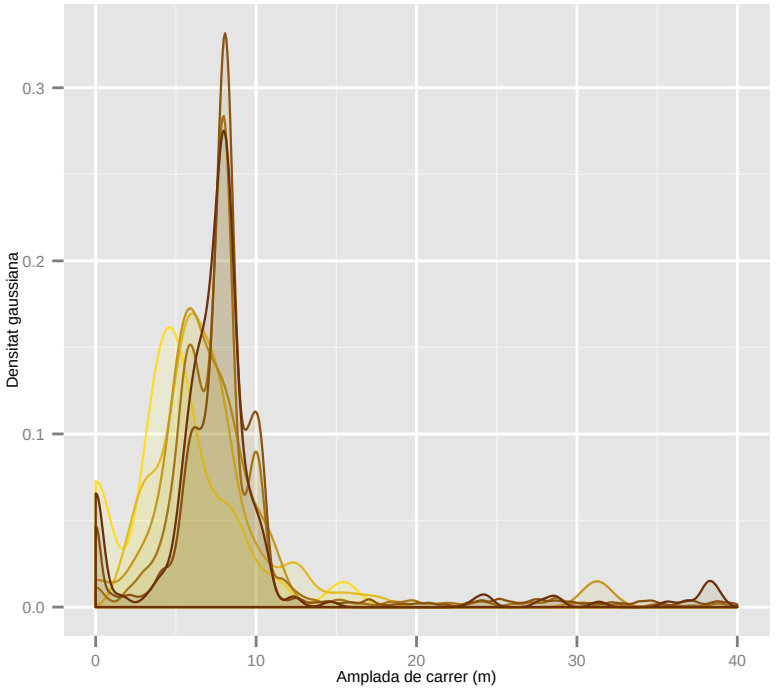
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

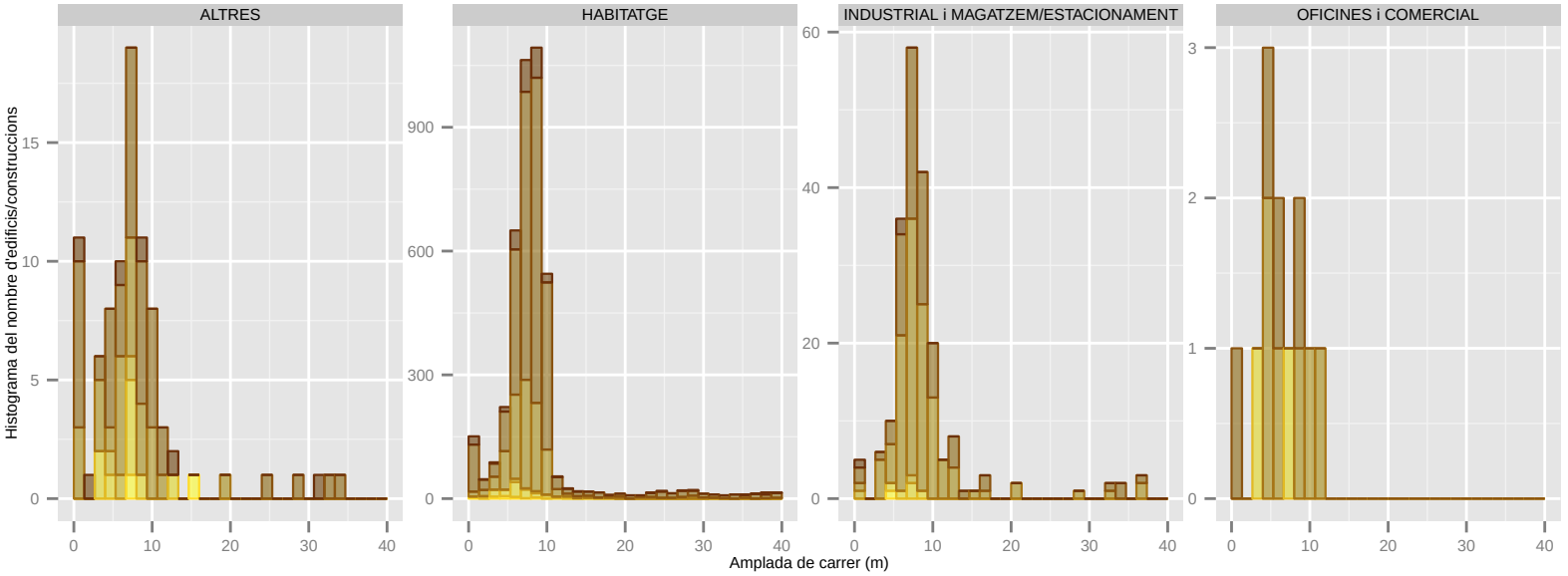
Amplada de carrer (m): CORBERA DE LLOBREGAT





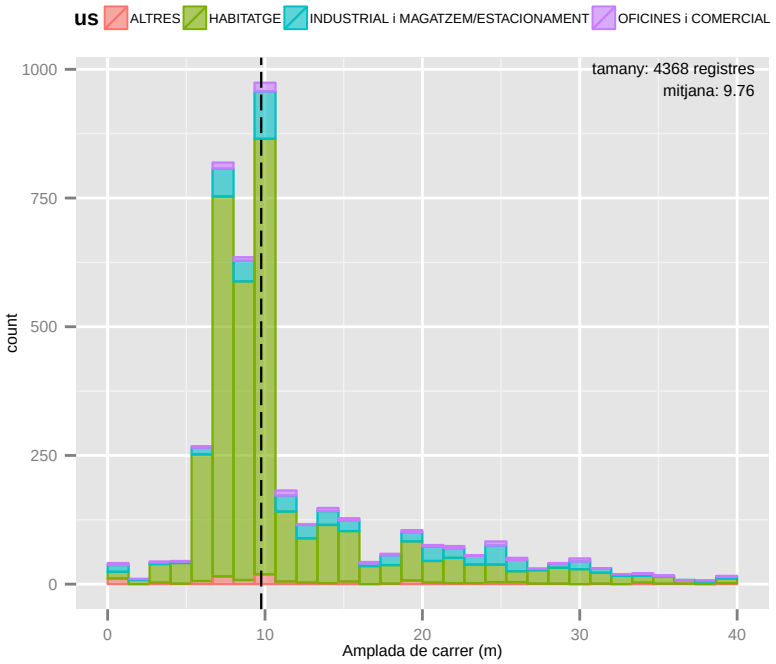


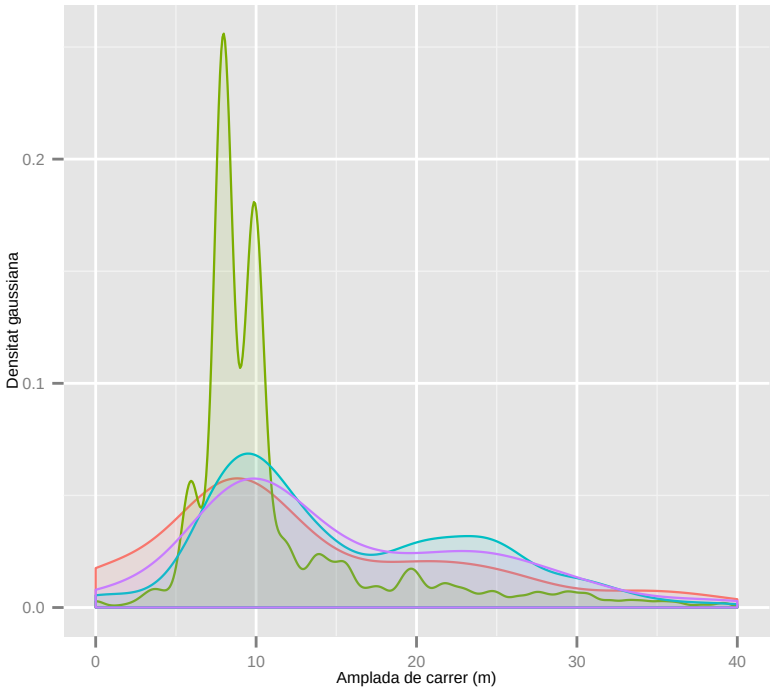


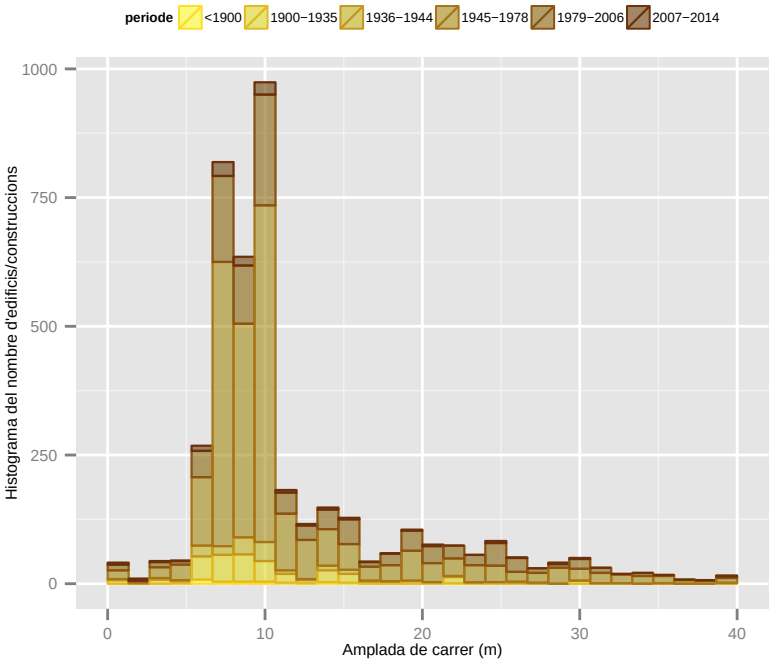


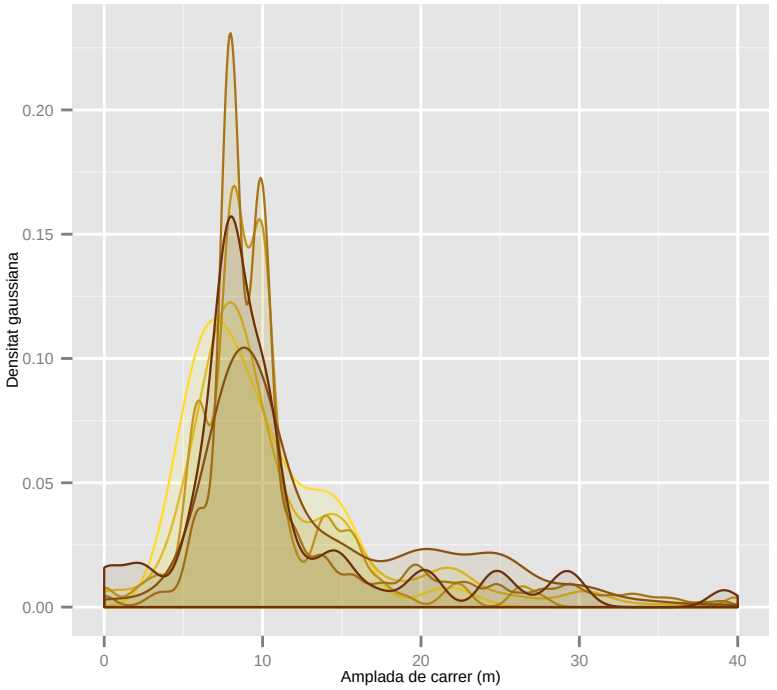
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

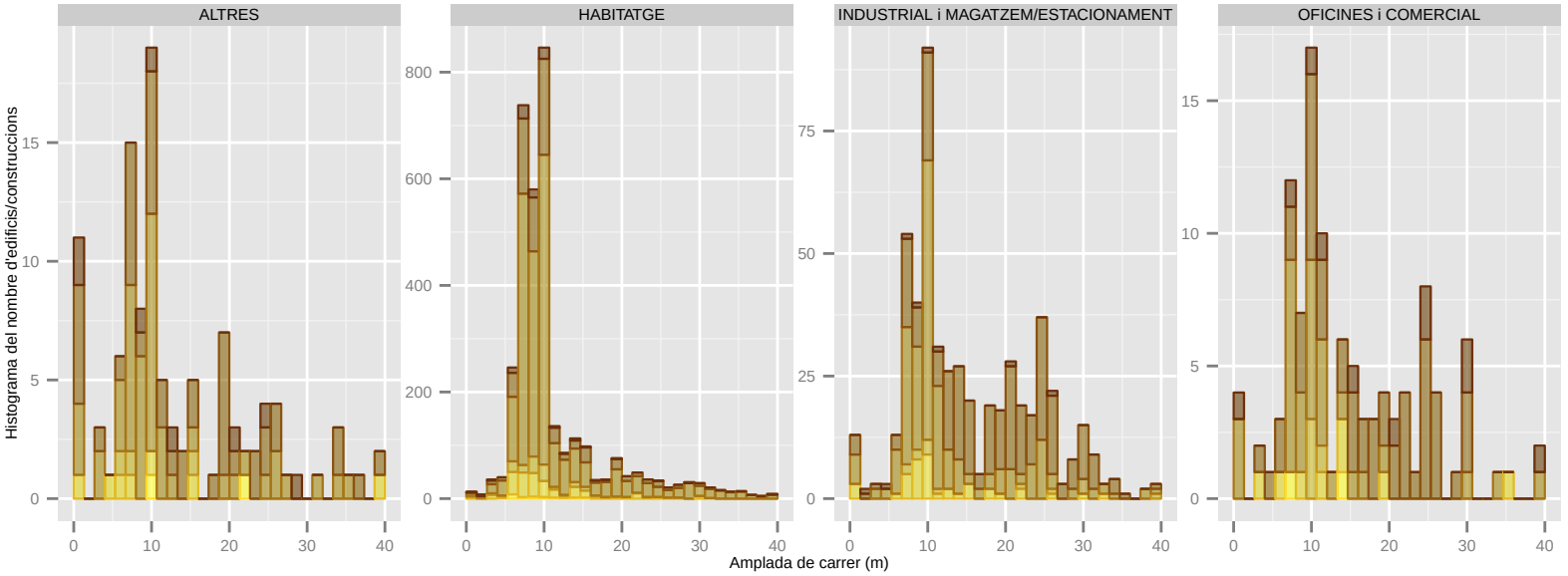
Amplada de carrer (m): CORNELLA DE LLOBREGAT





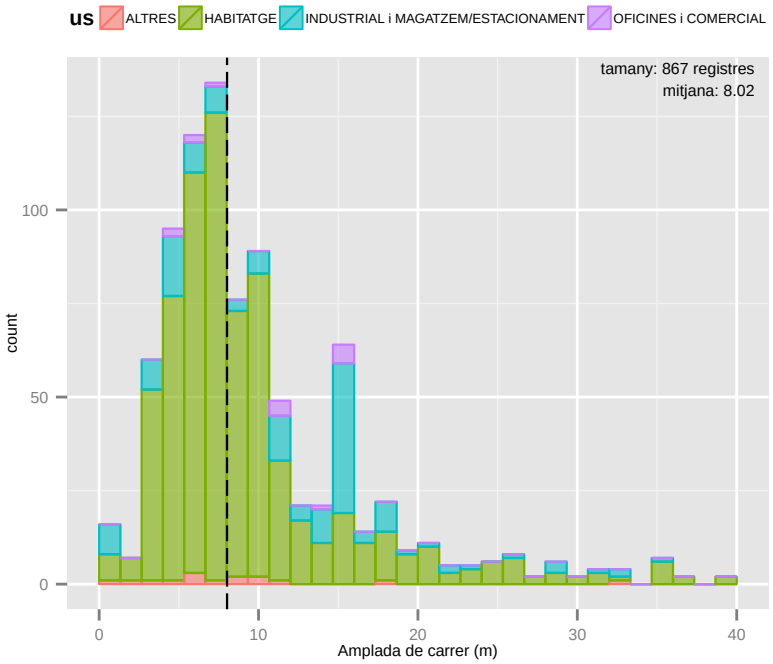


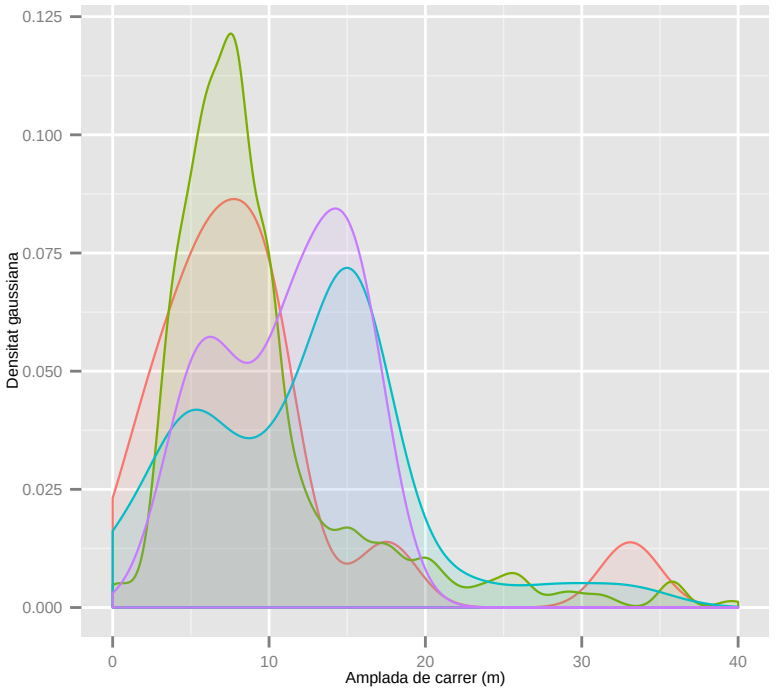


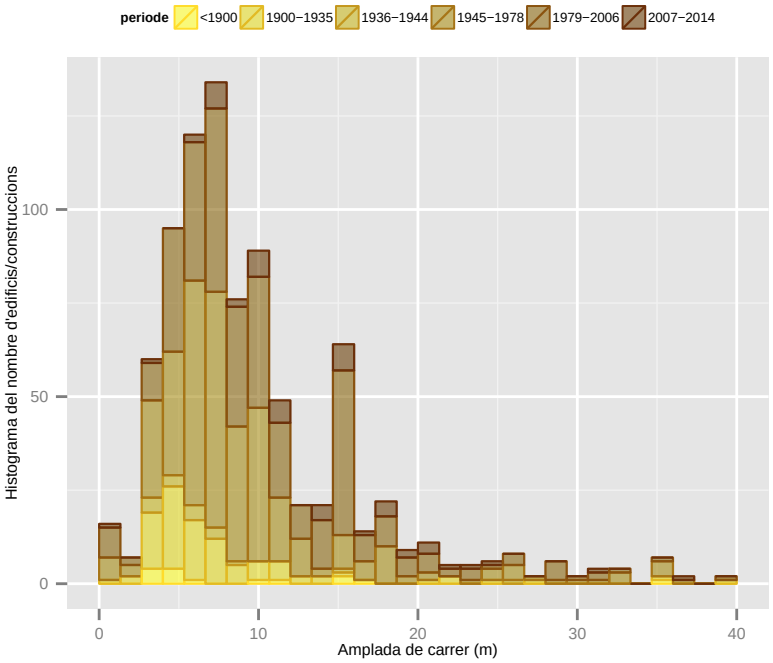


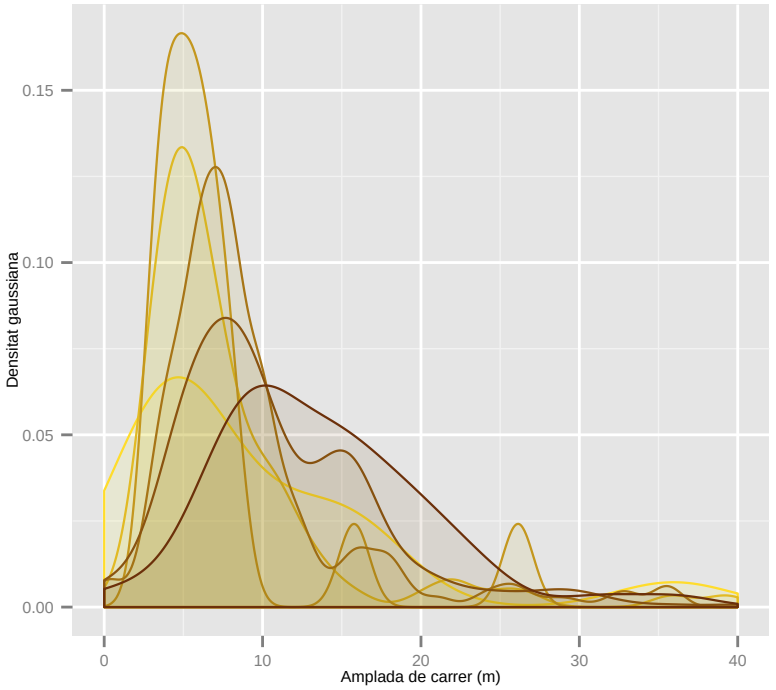
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

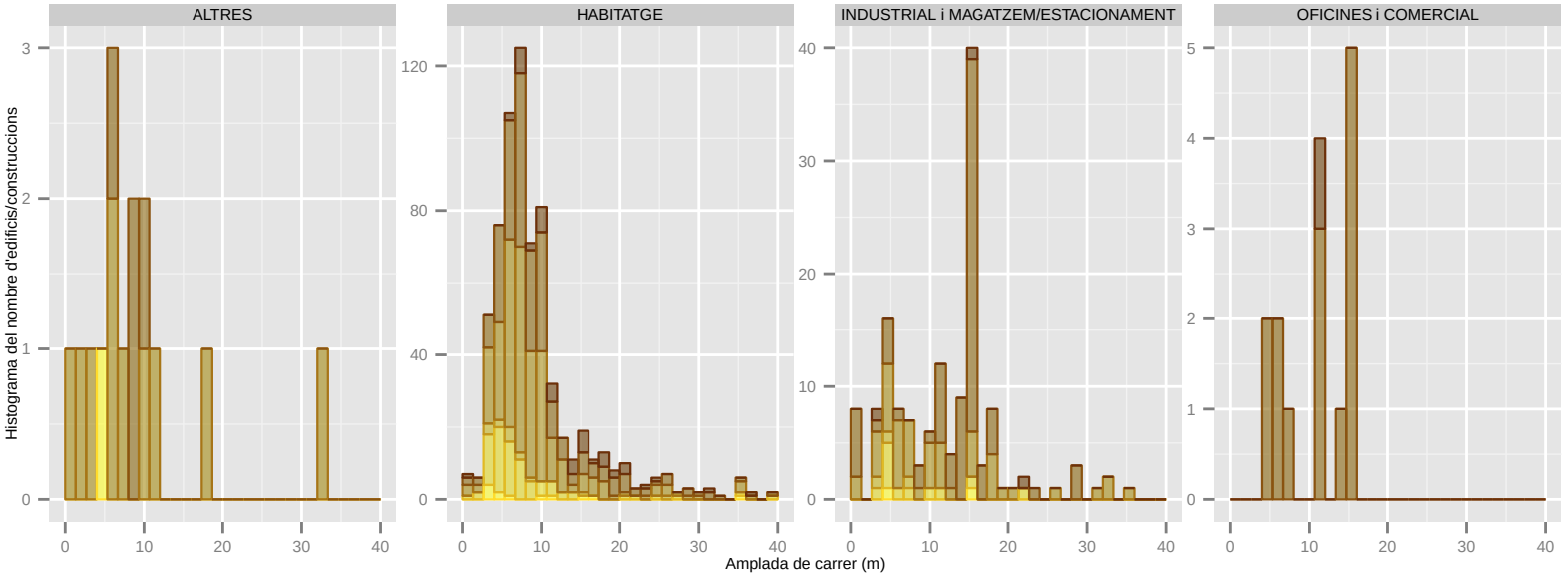
Amplada de carrer (m): EL PAPIOL





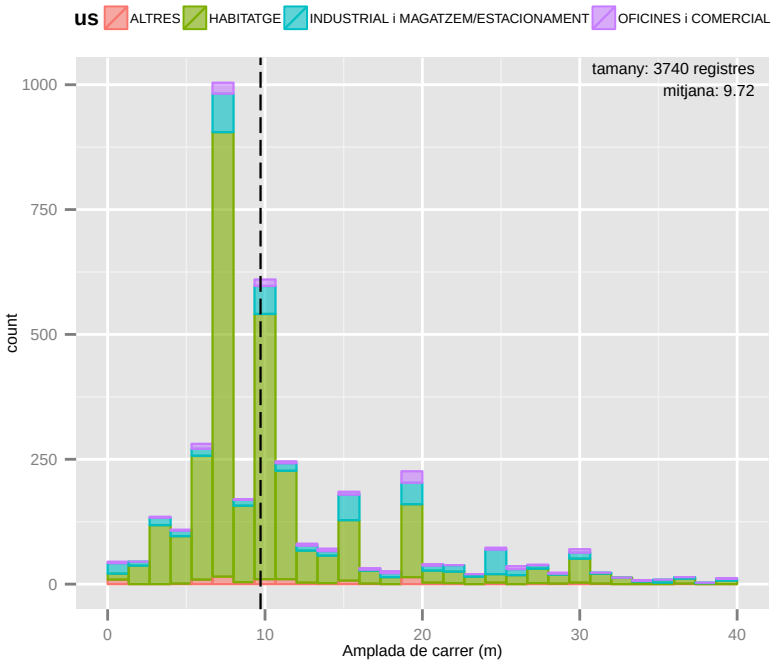


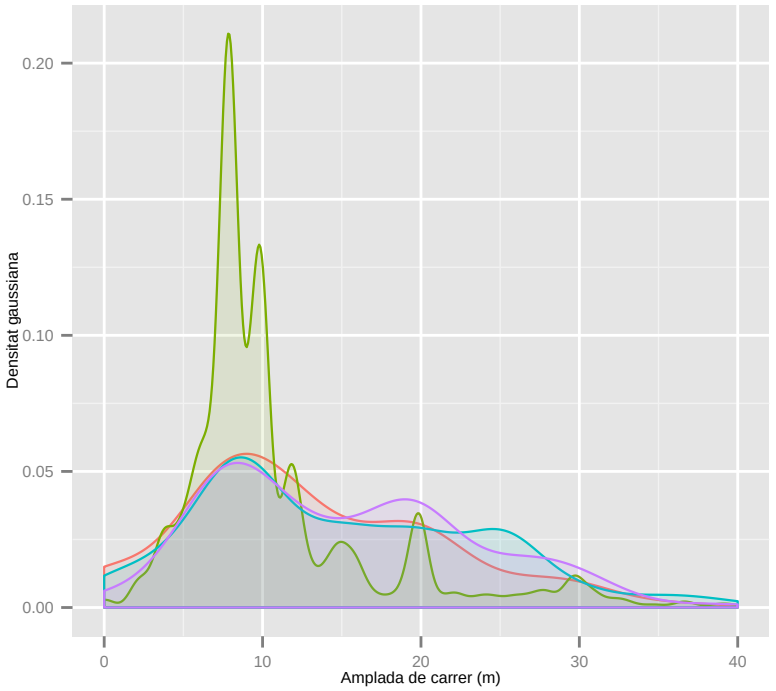


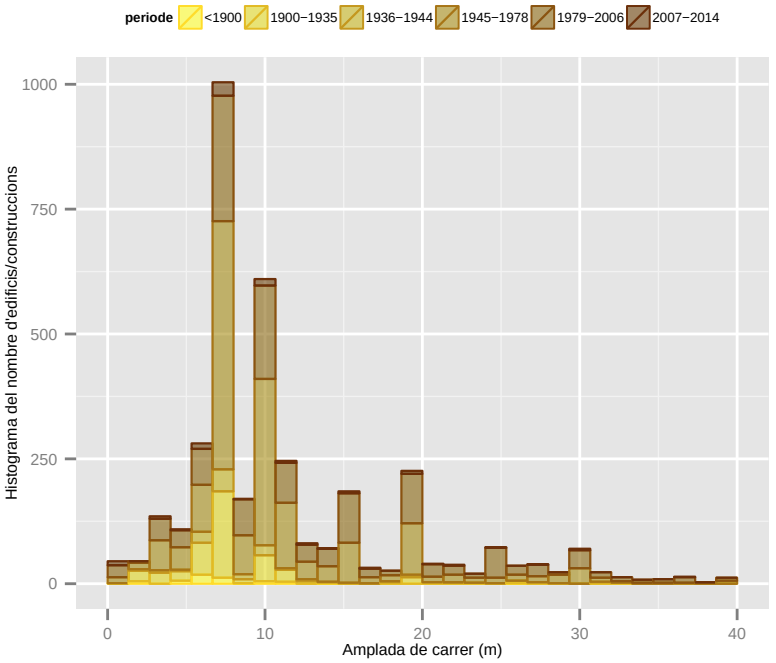


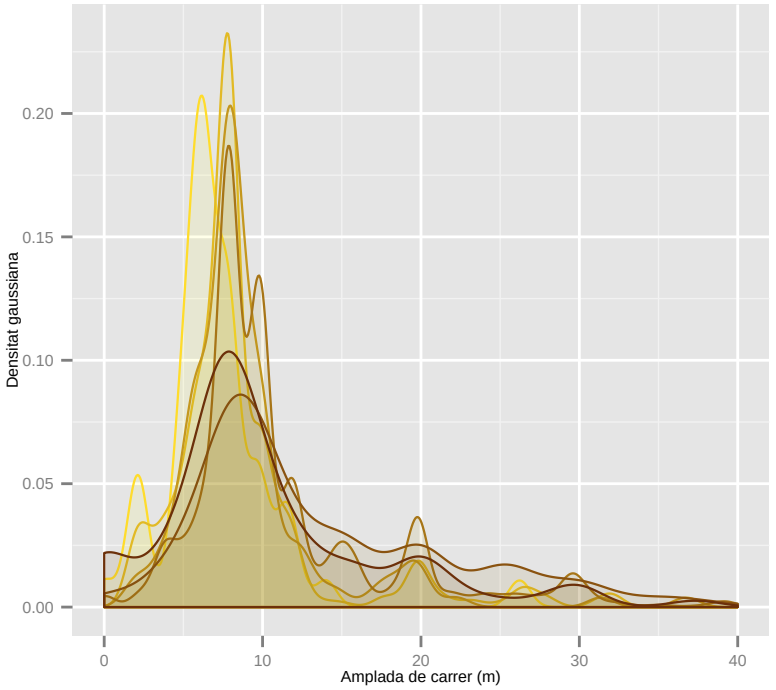
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

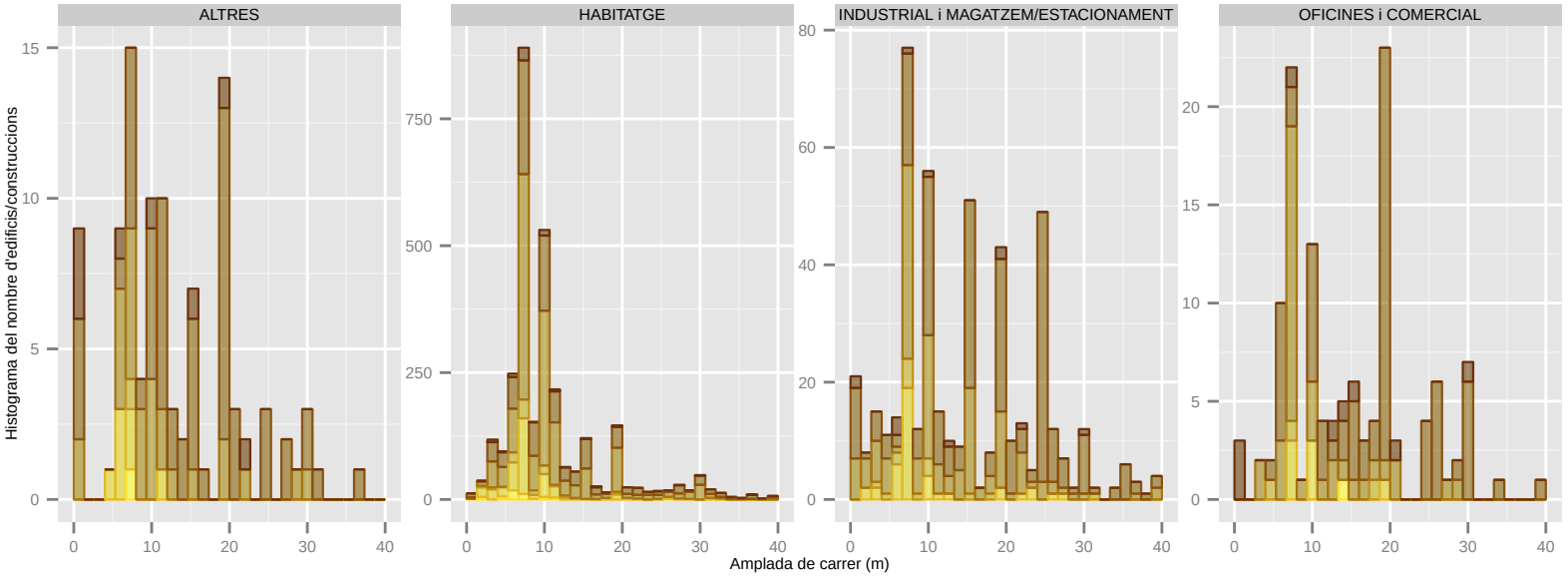
Amplada de carrer (m): EL PRAT DE LLOBREGAT





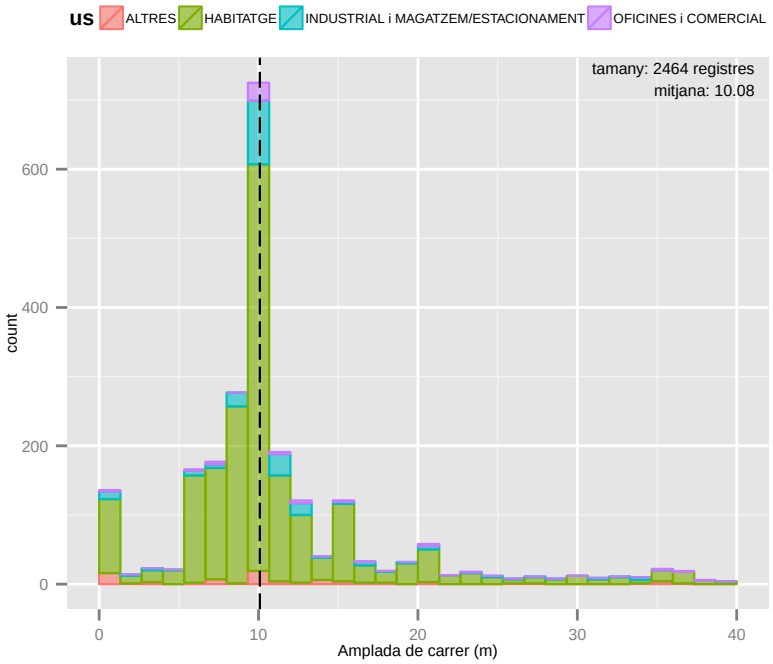


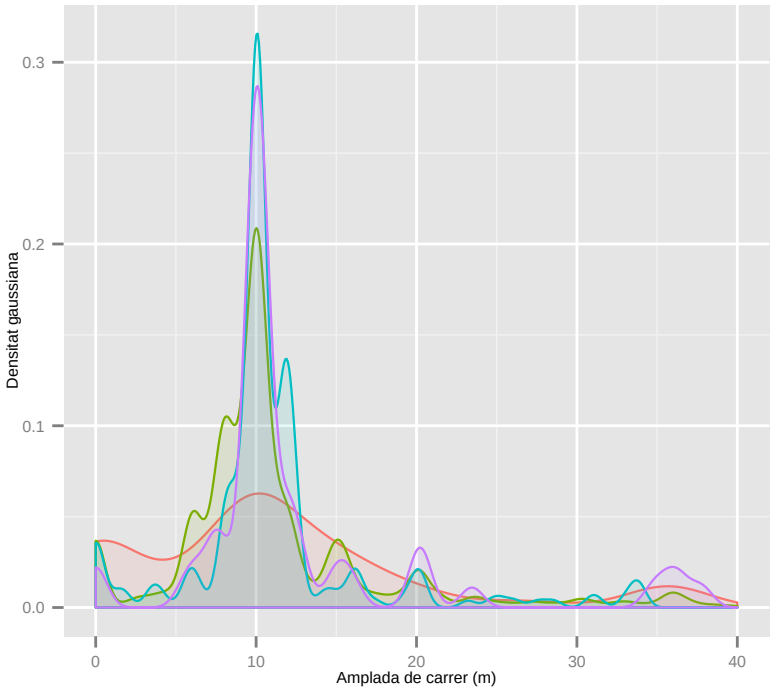


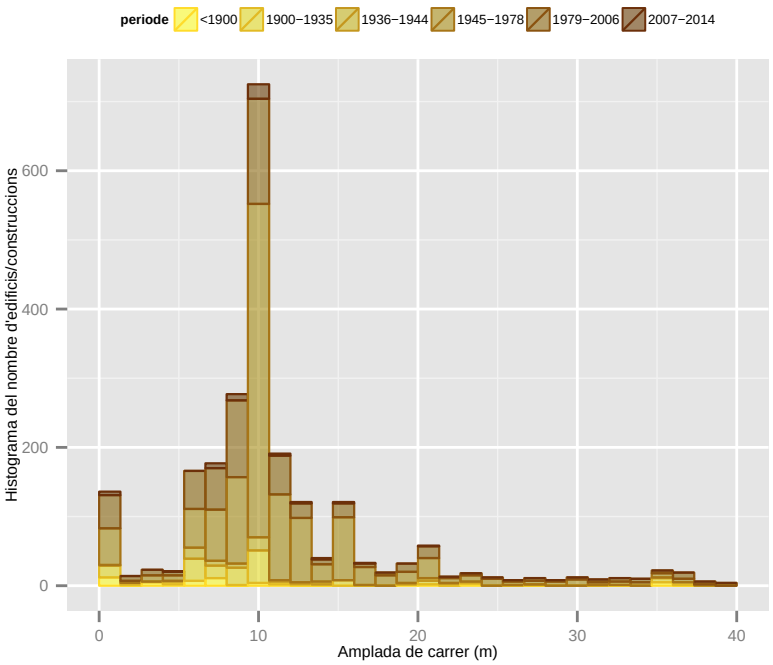


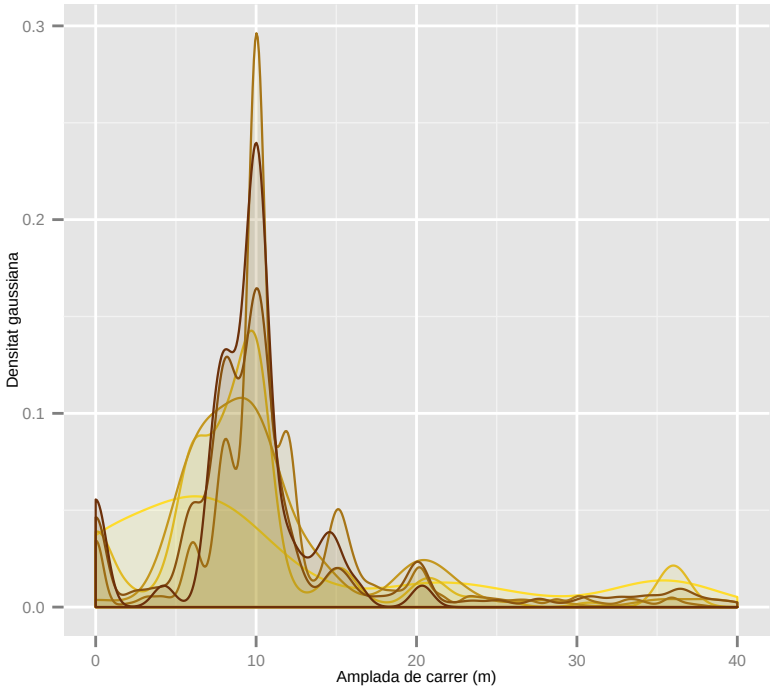
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

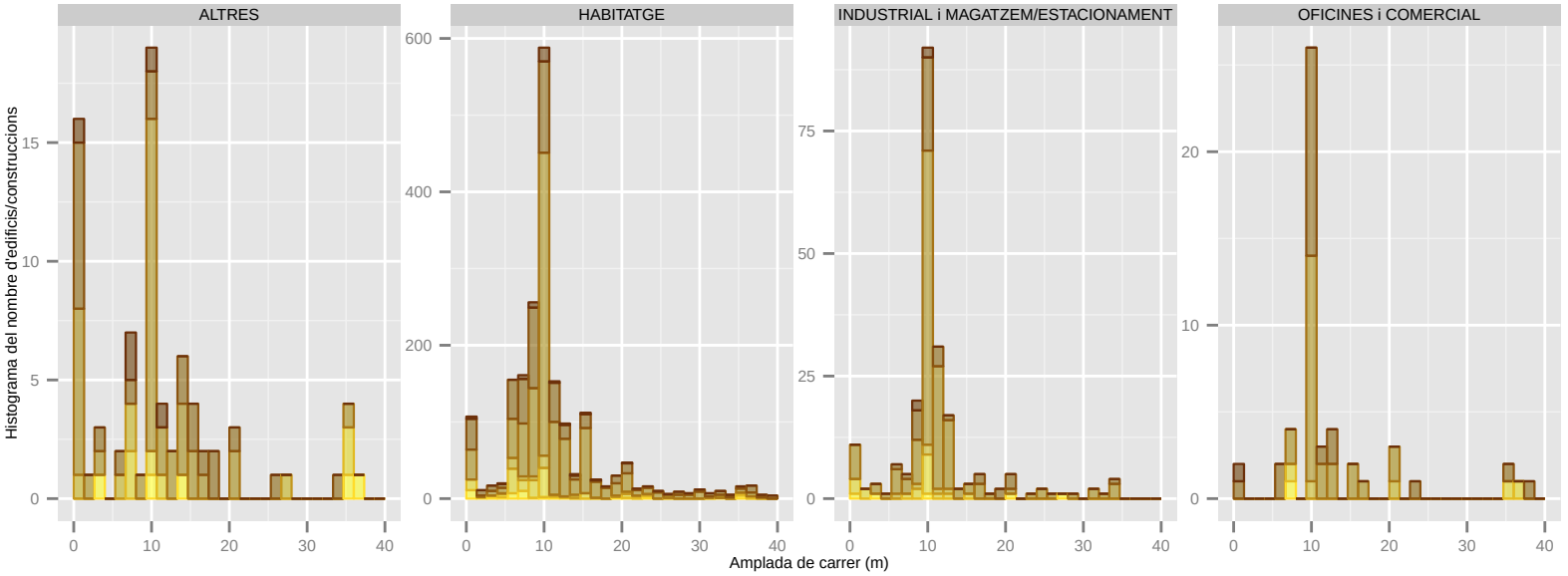
Amplada de carrer (m): ESPLUGUES DE LLOBREGAT





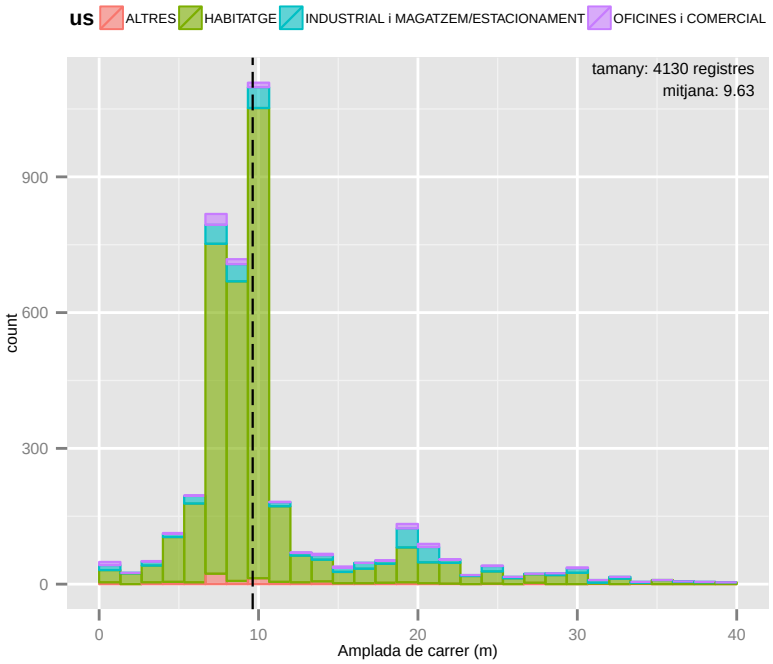


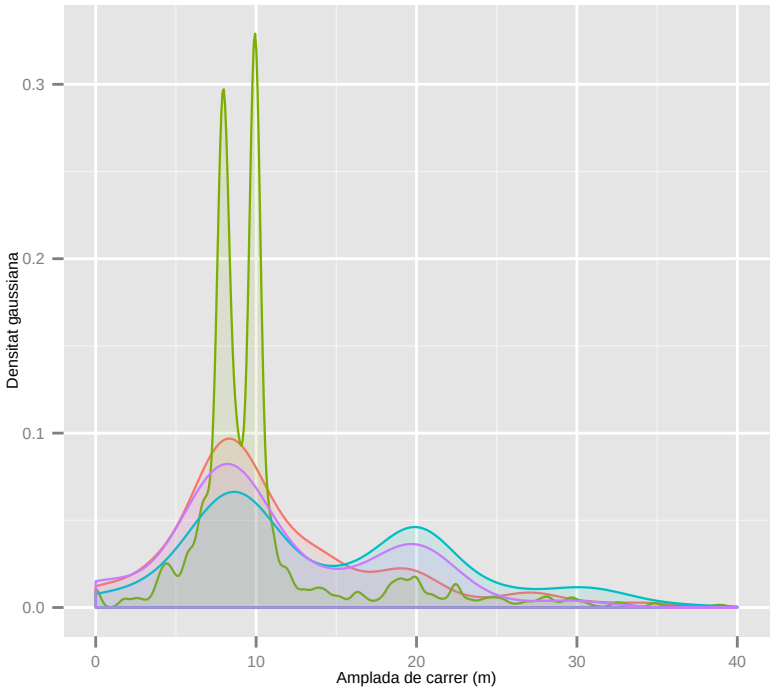


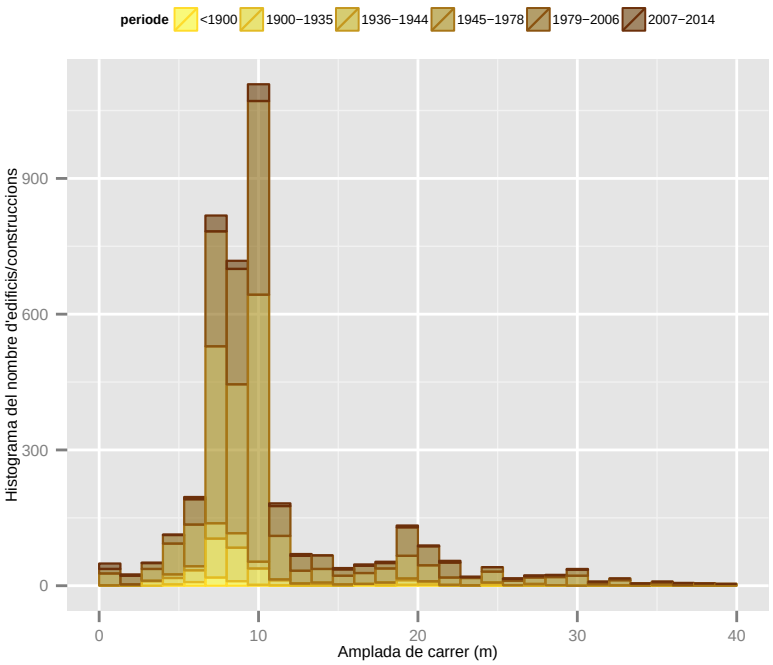


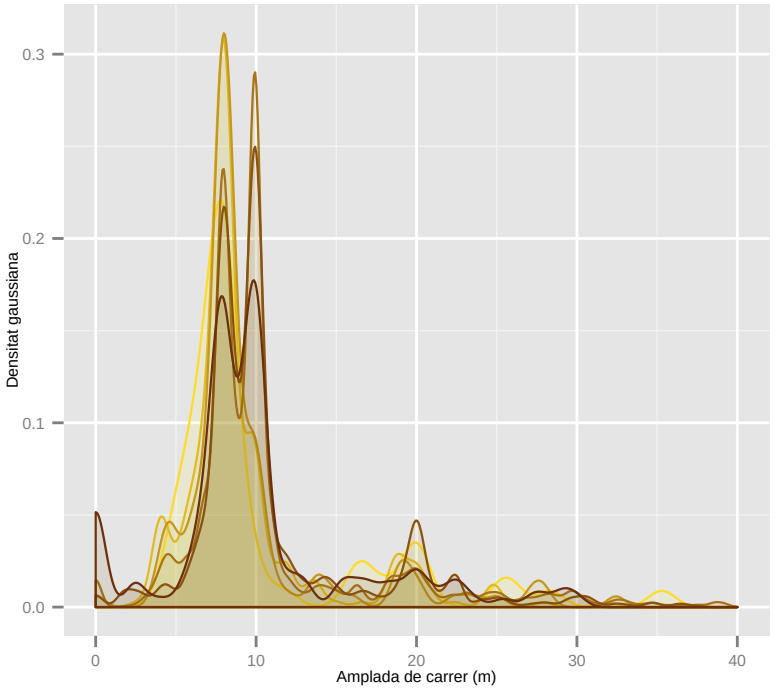
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

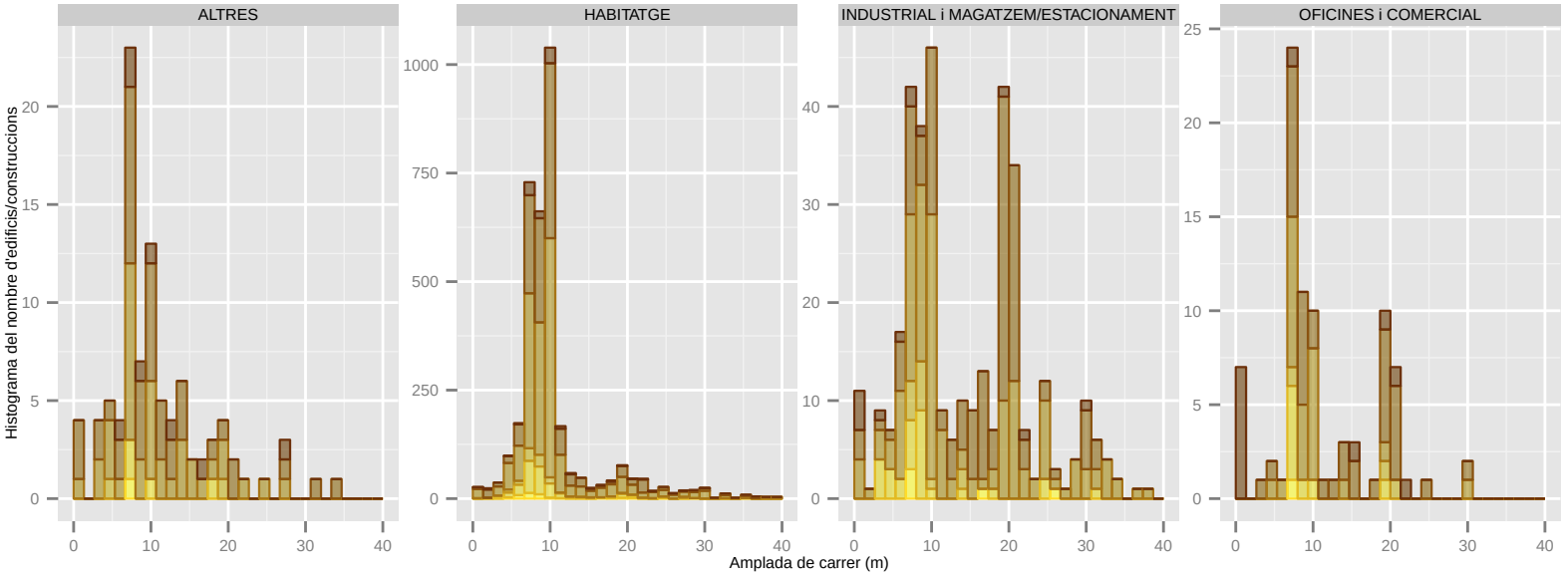
Amplada de carrer (m): GAVA





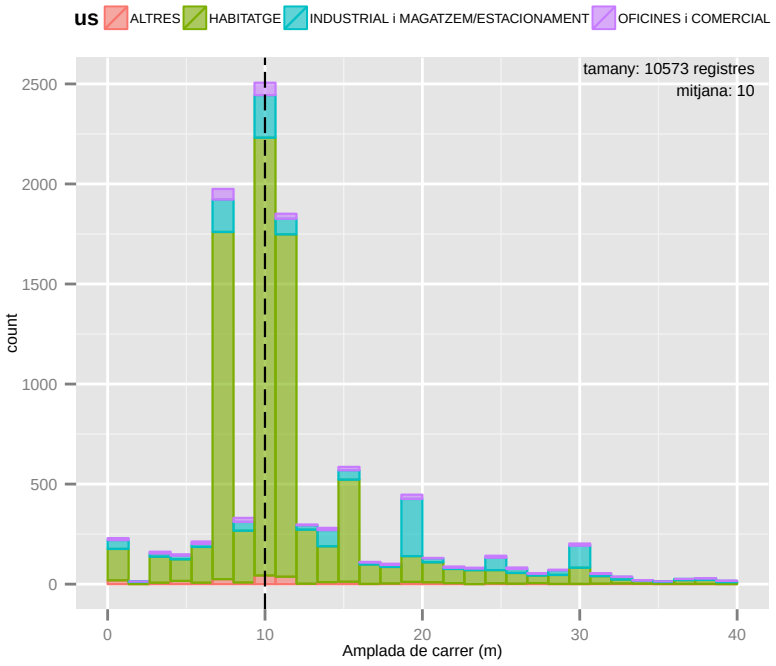


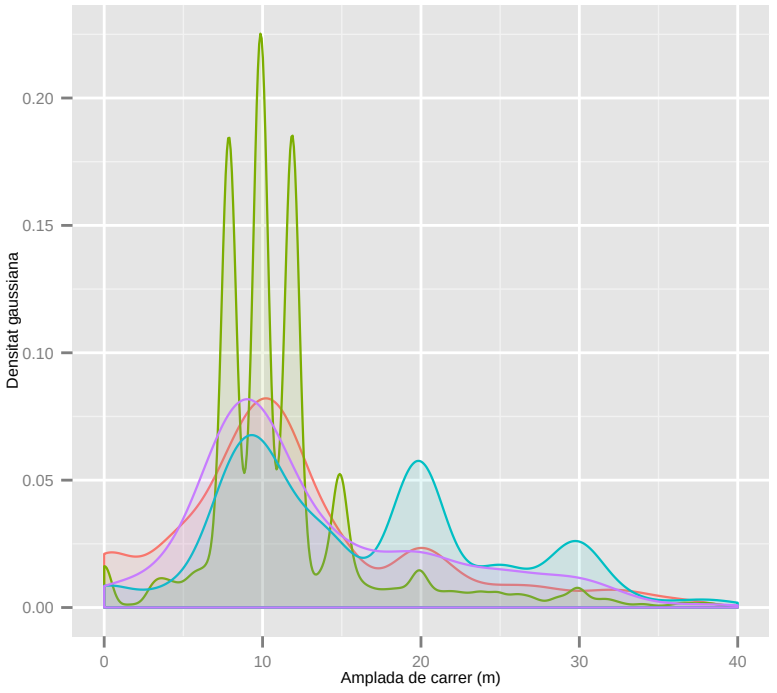


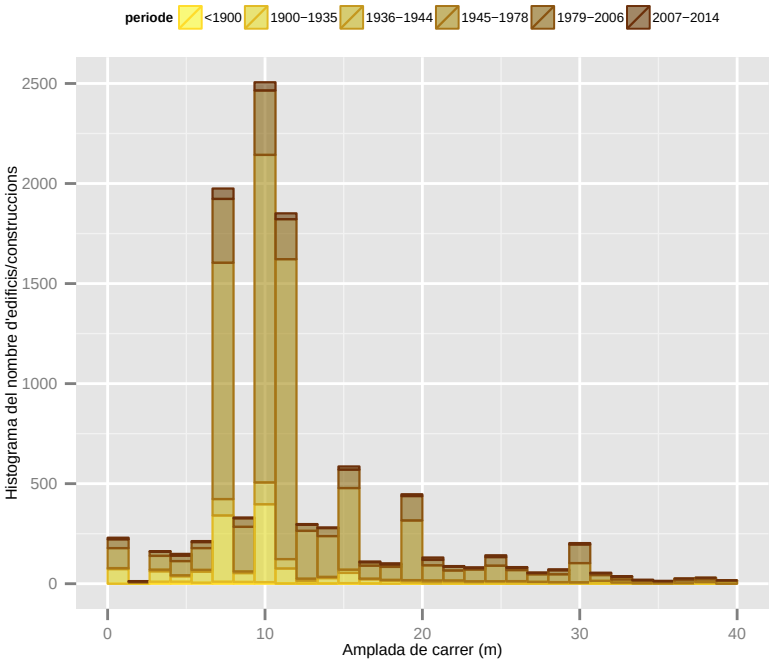


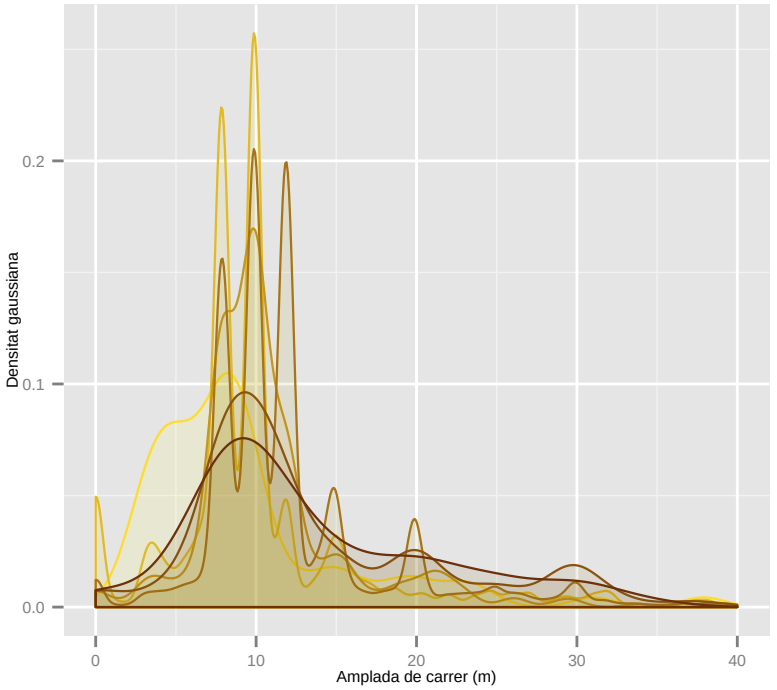
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

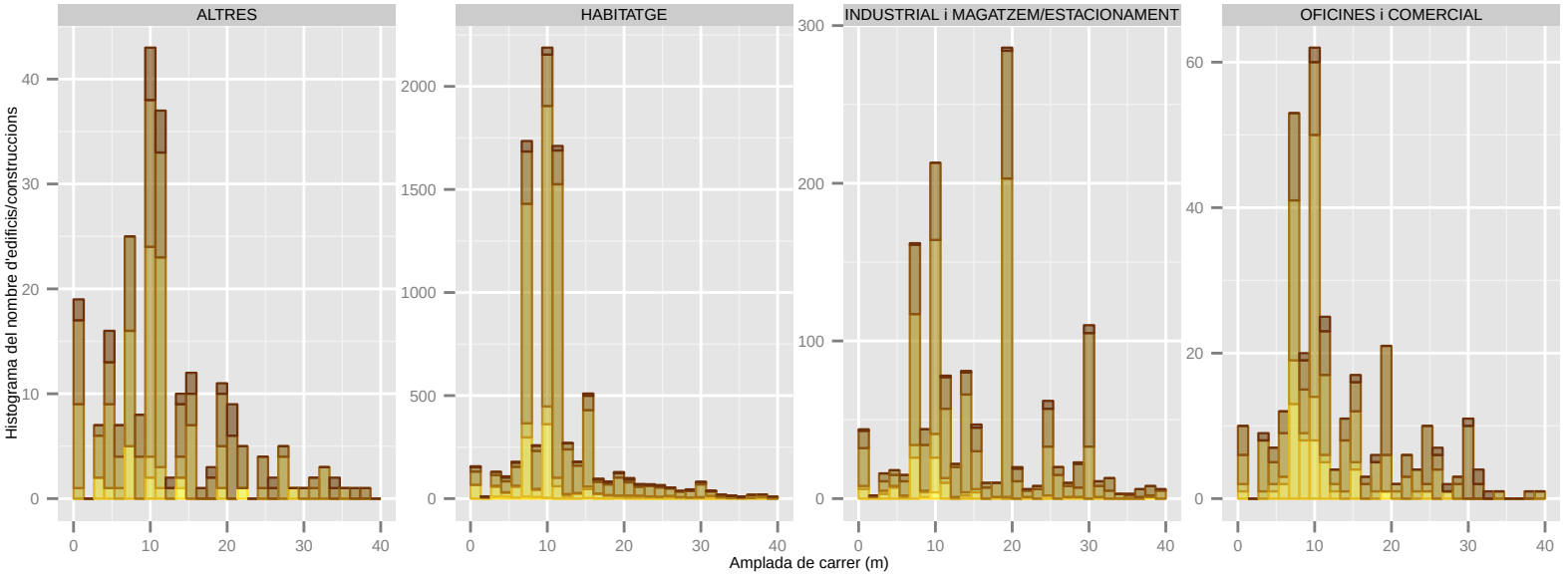
Amplada de carrer (m): L'HOSPITALET DE LLOBREGAT





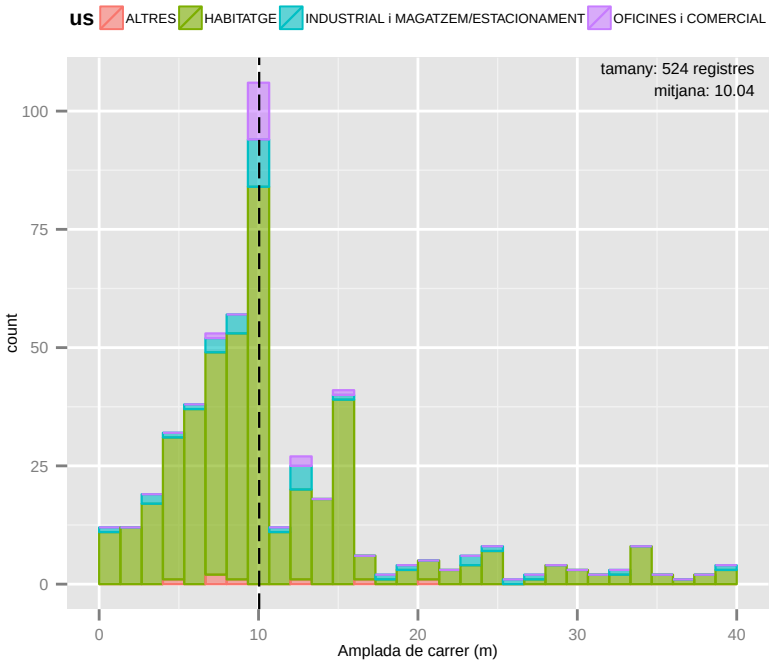


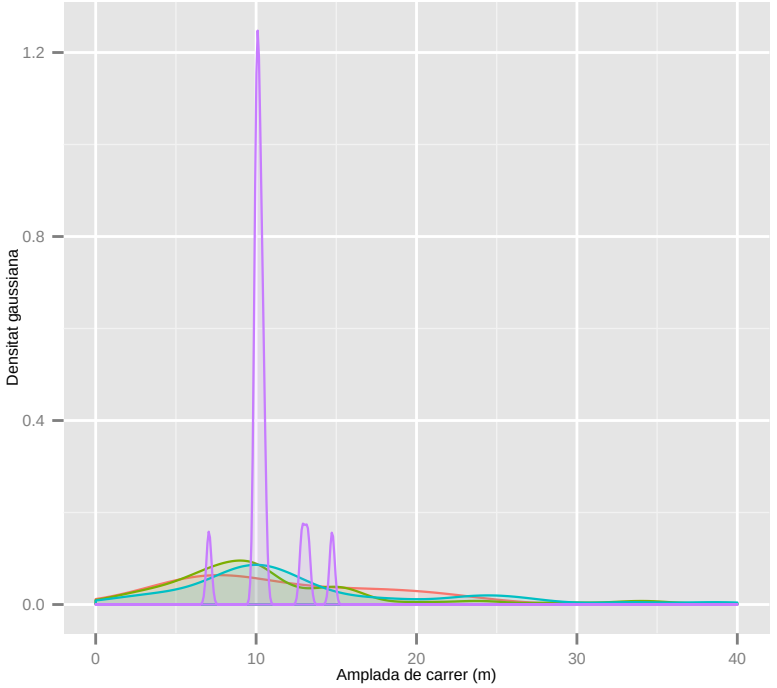


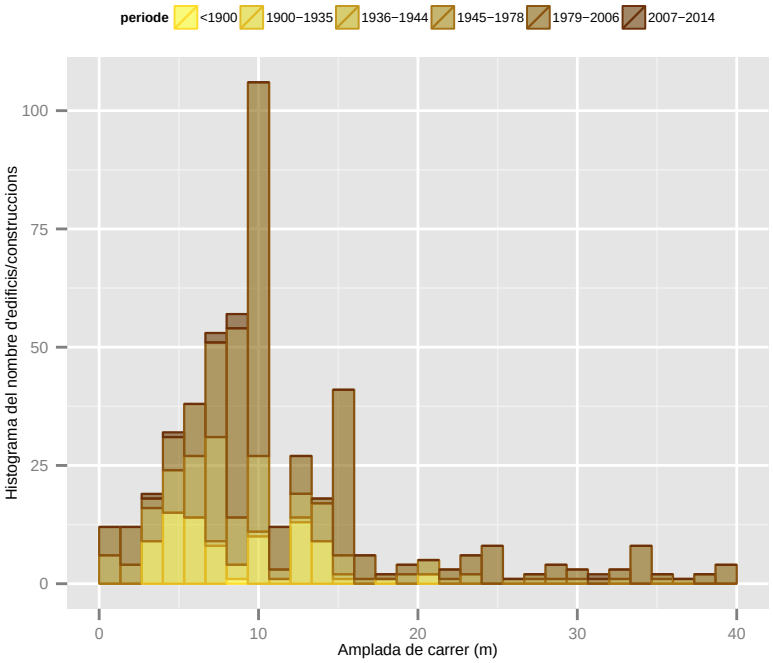


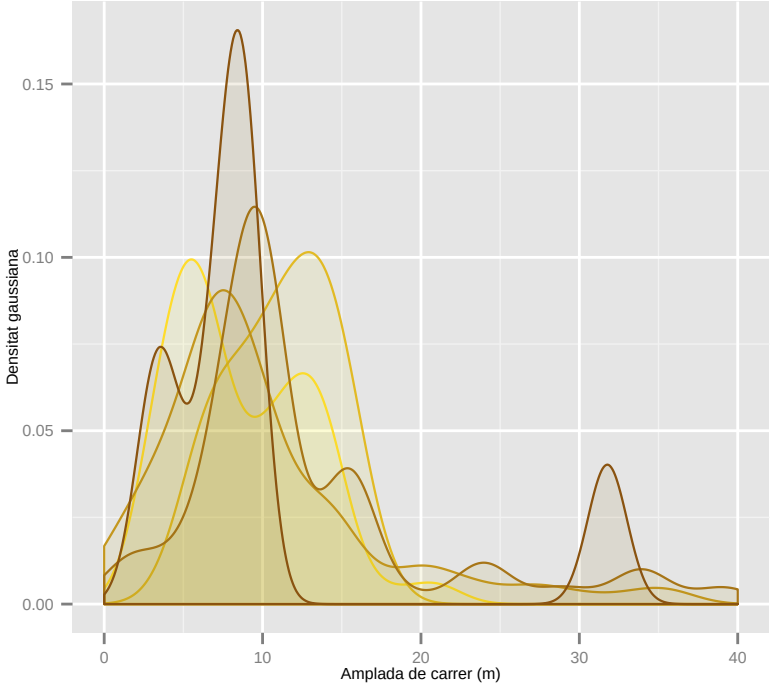
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

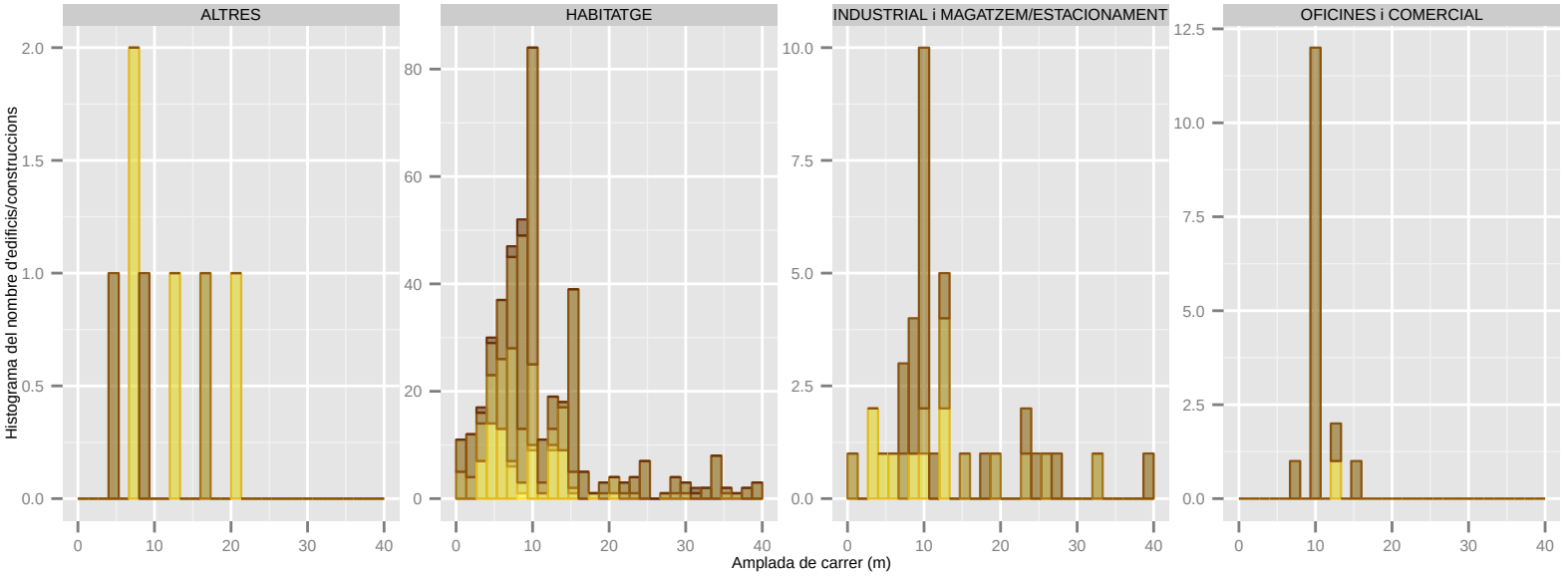
Amplada de carrer (m): LA PALMA DE CERVELLO





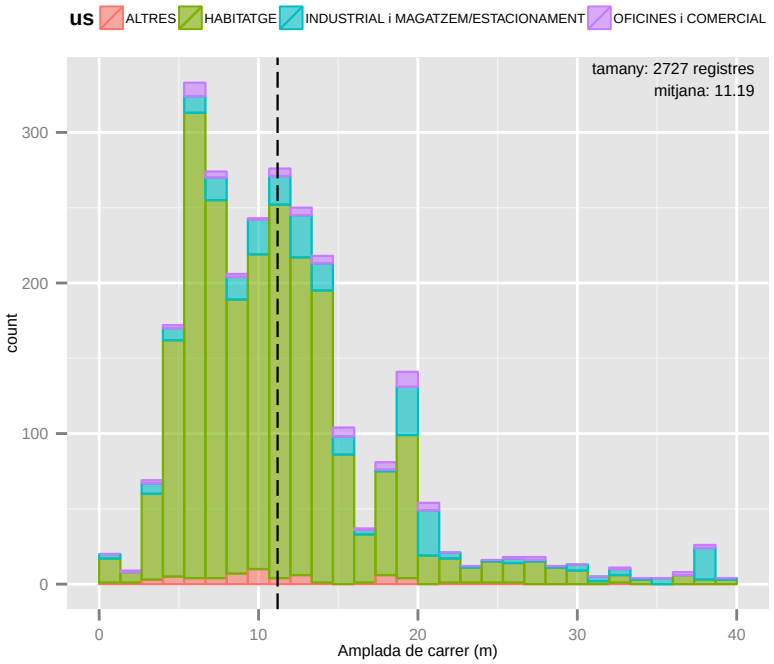


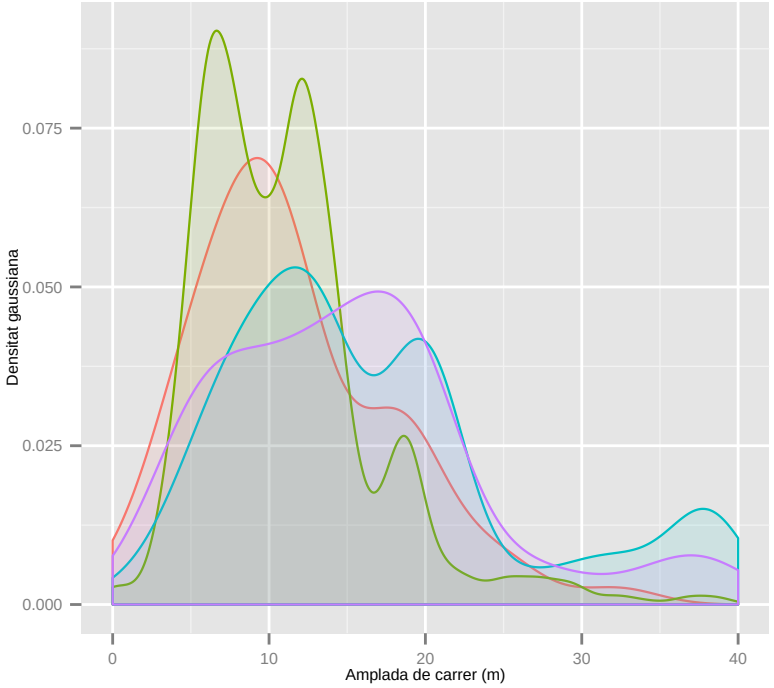


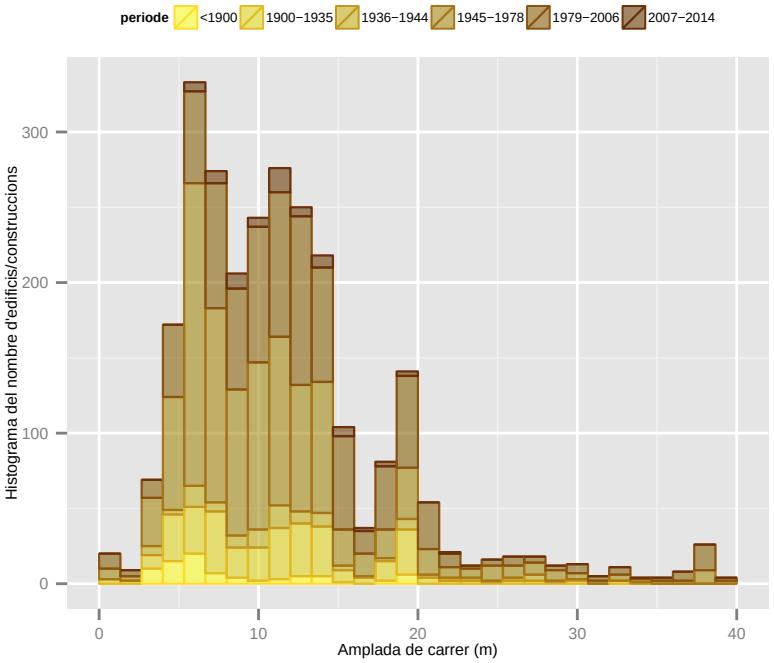


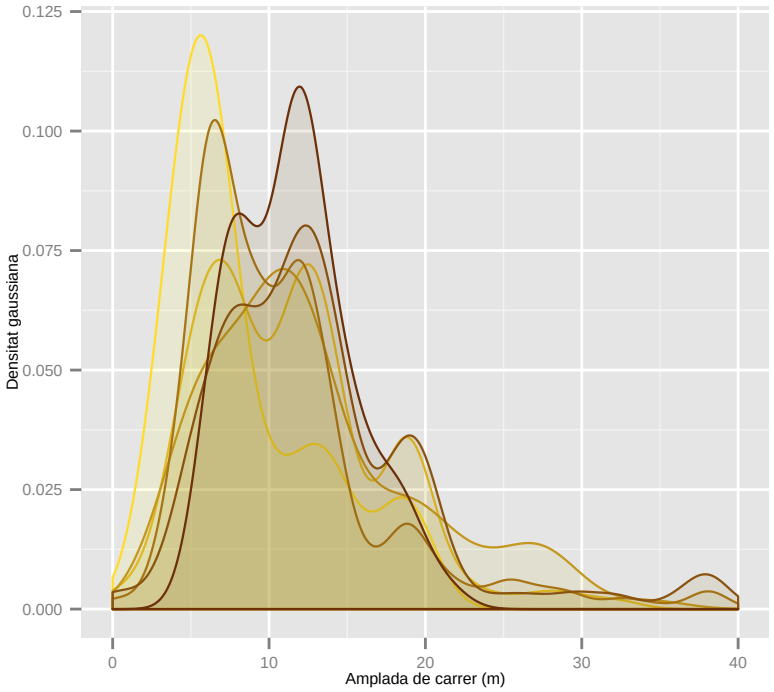
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

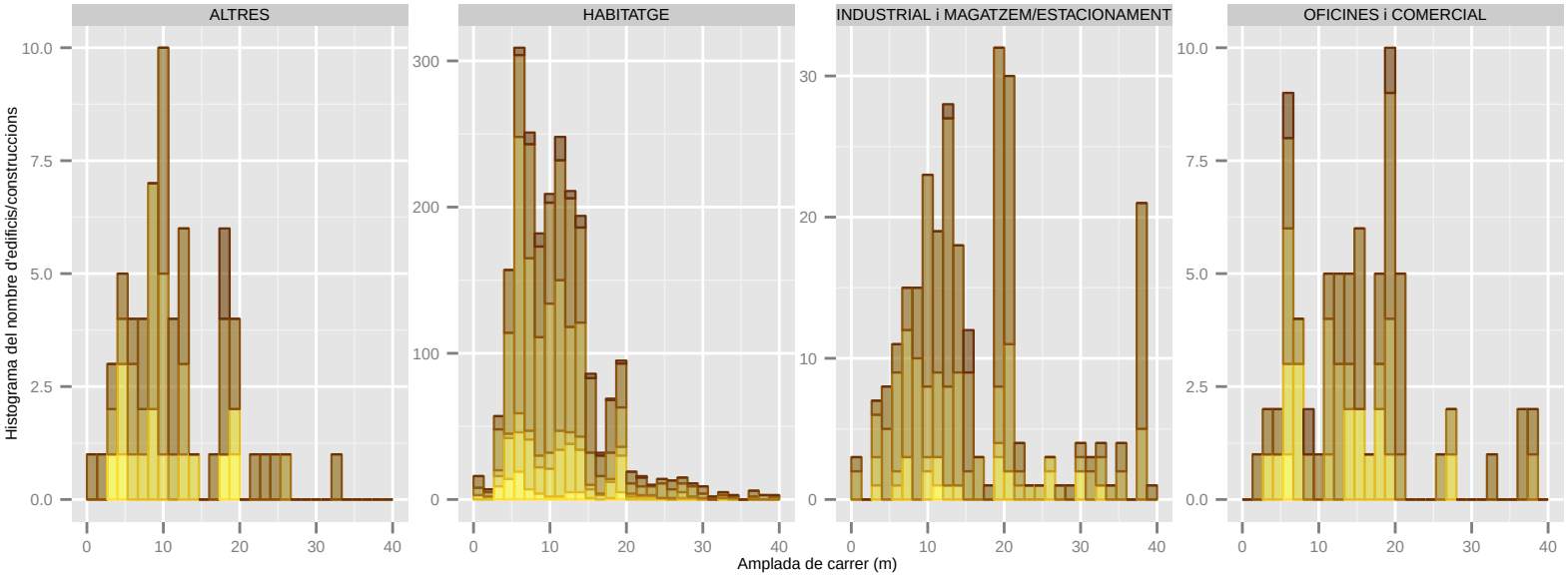
Amplada de carrer (m): MOLINS DE REI





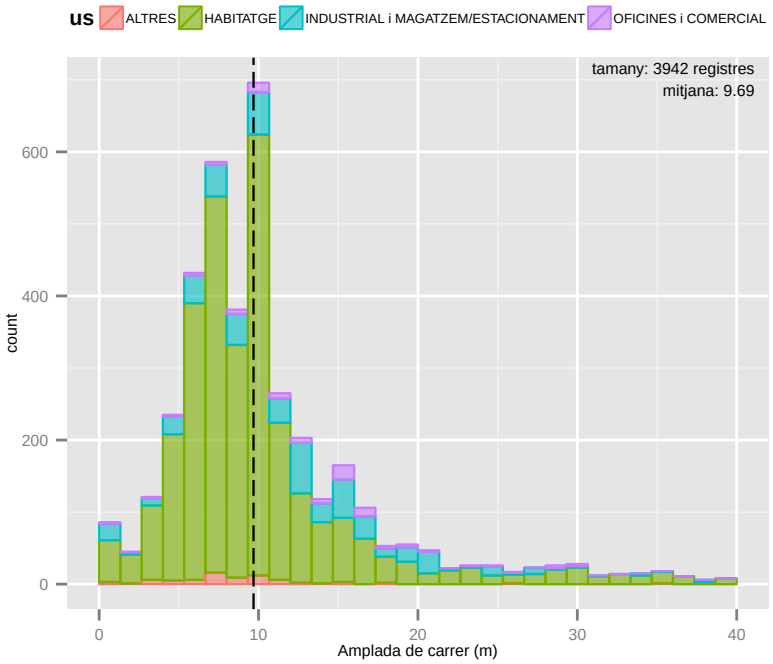


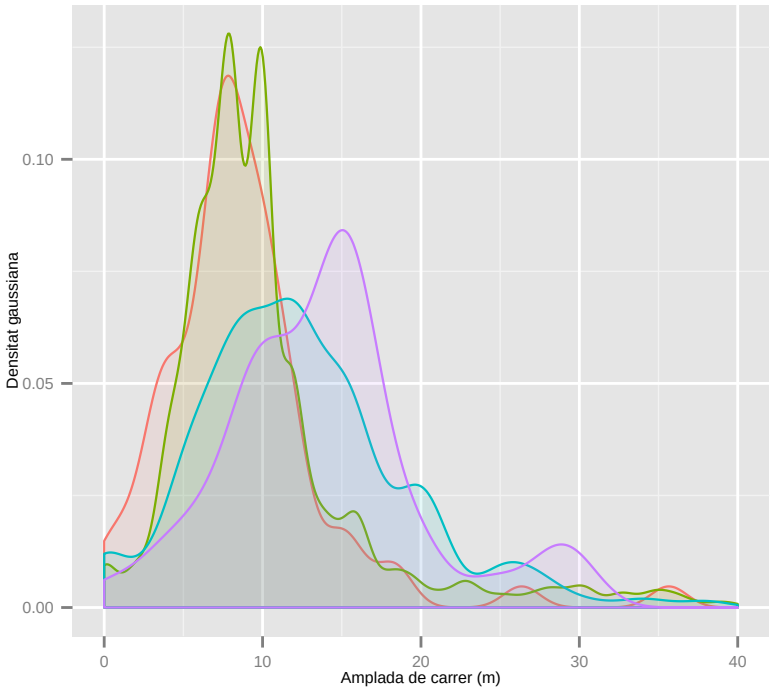


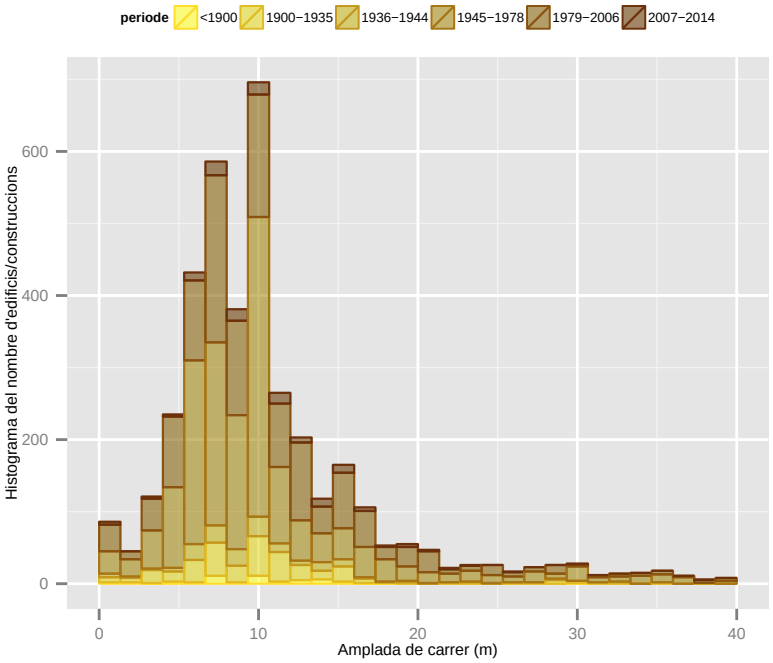


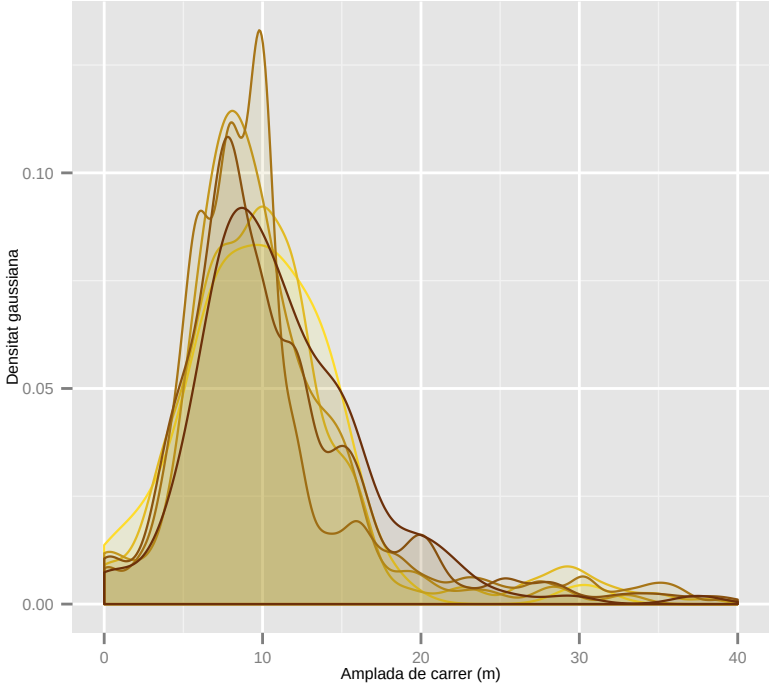
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

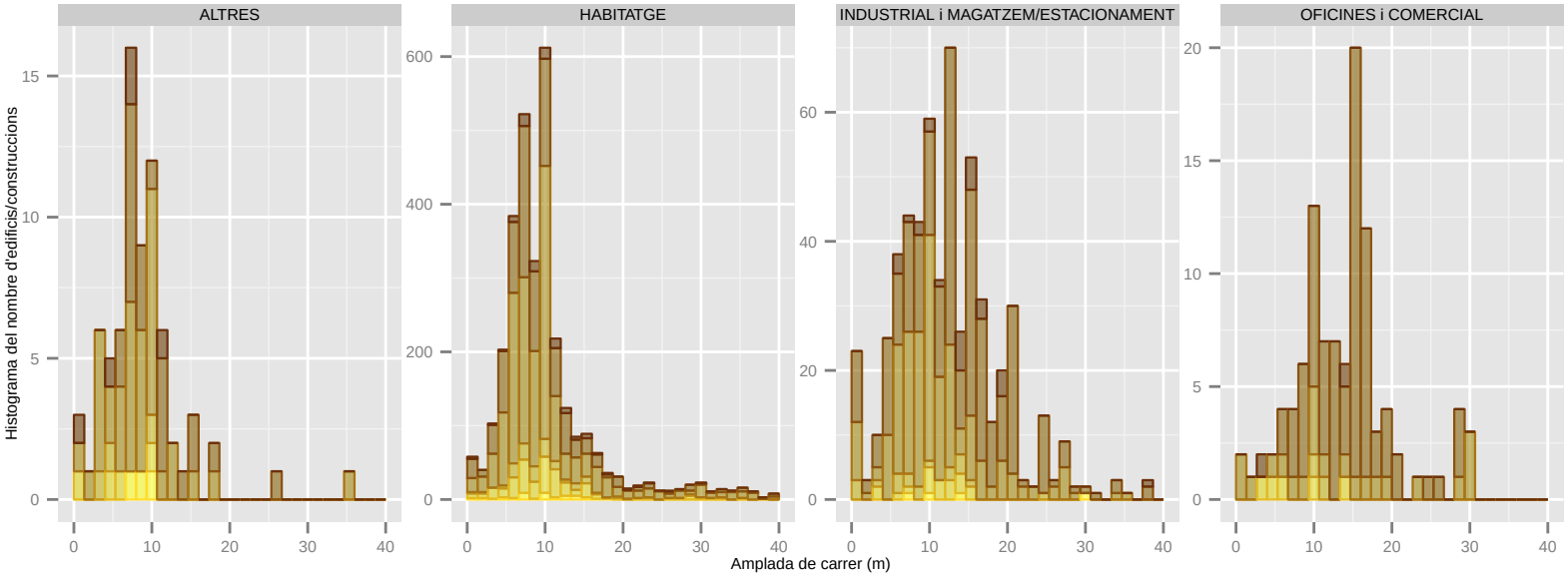
Amplada de carrer (m): MONTCADA I REIXAC





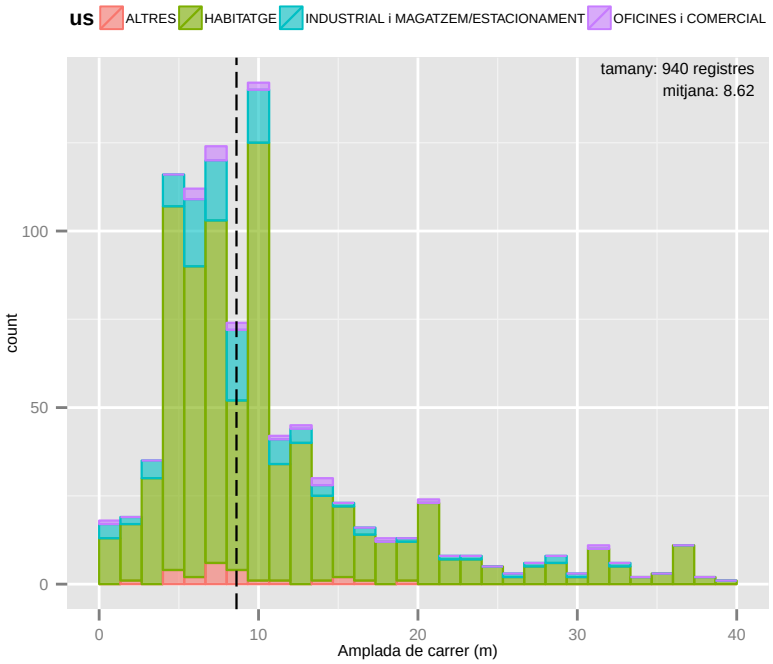


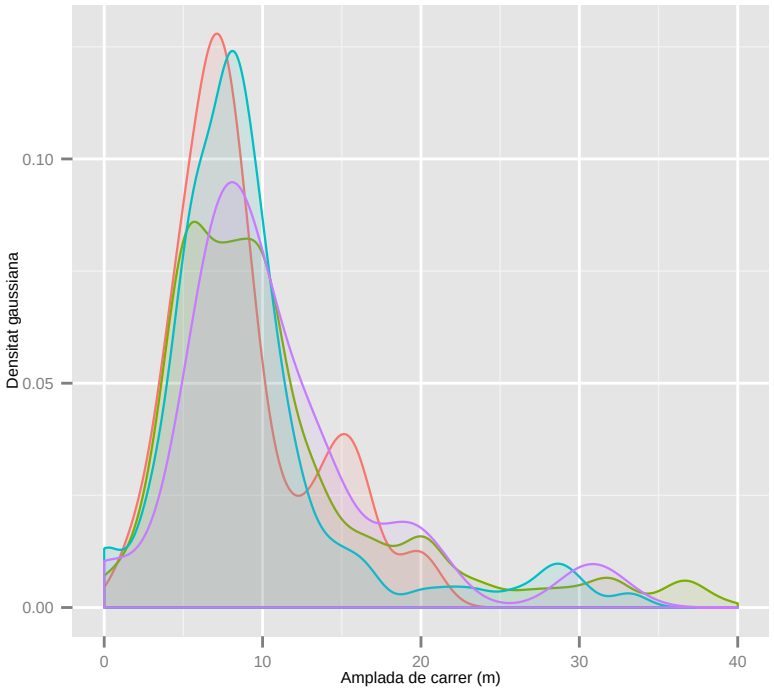


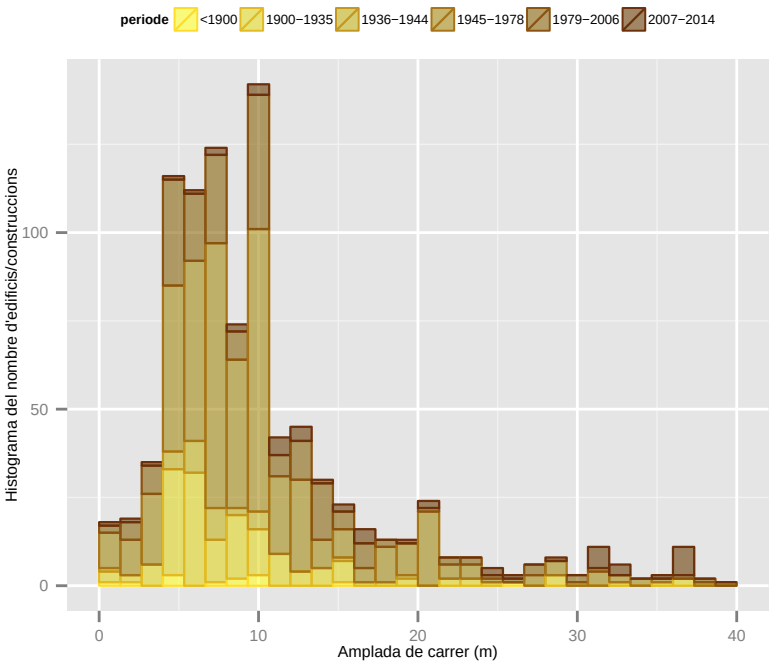


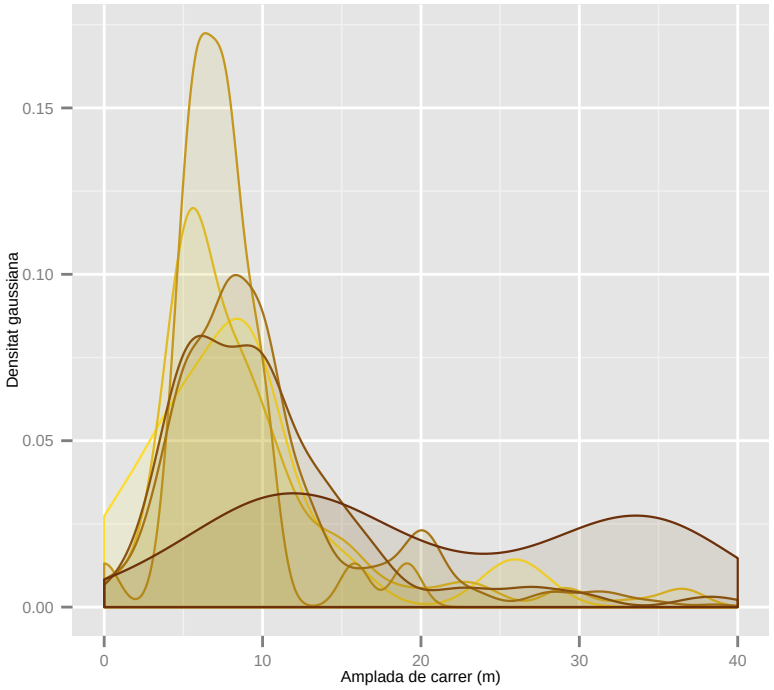
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

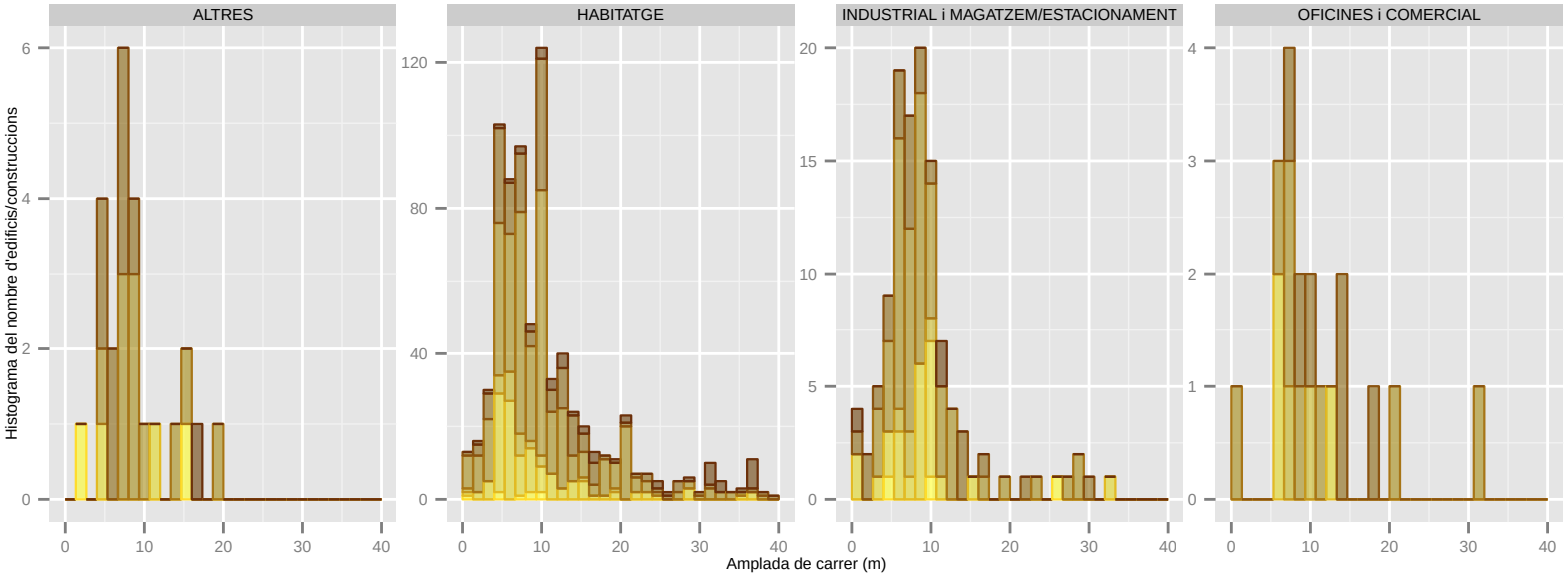
Amplada de carrer (m): MONTGAT





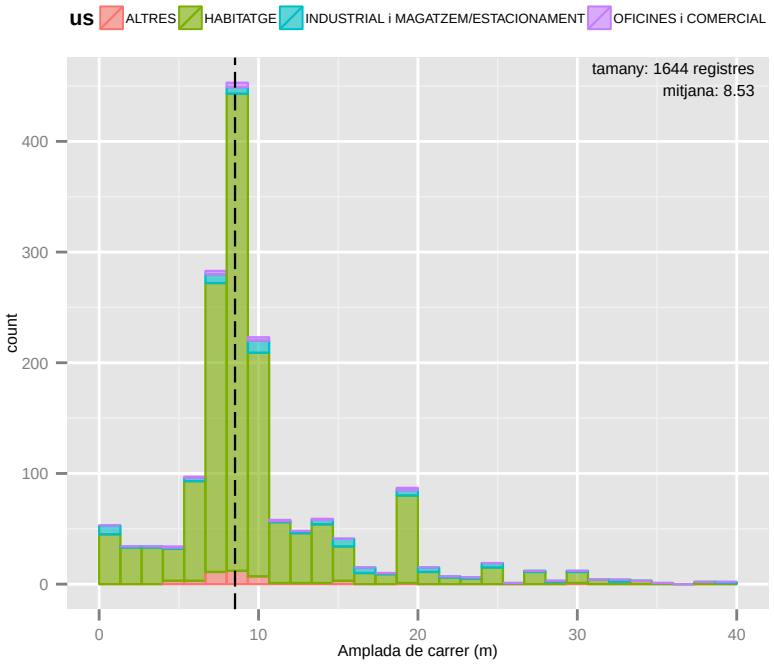


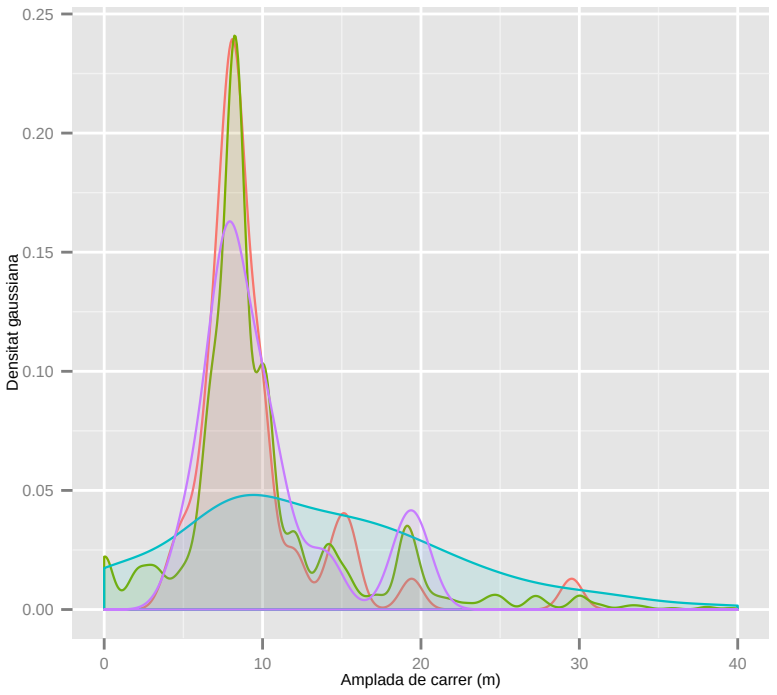


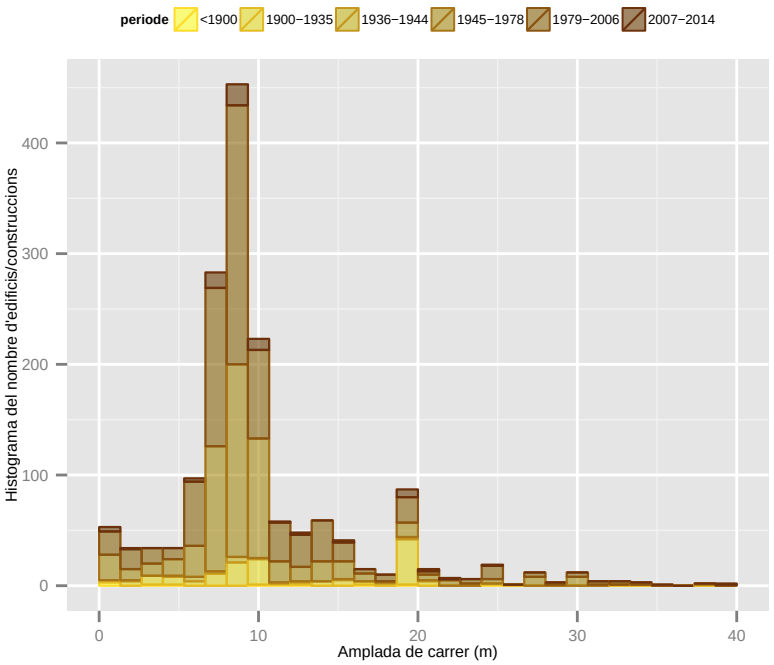


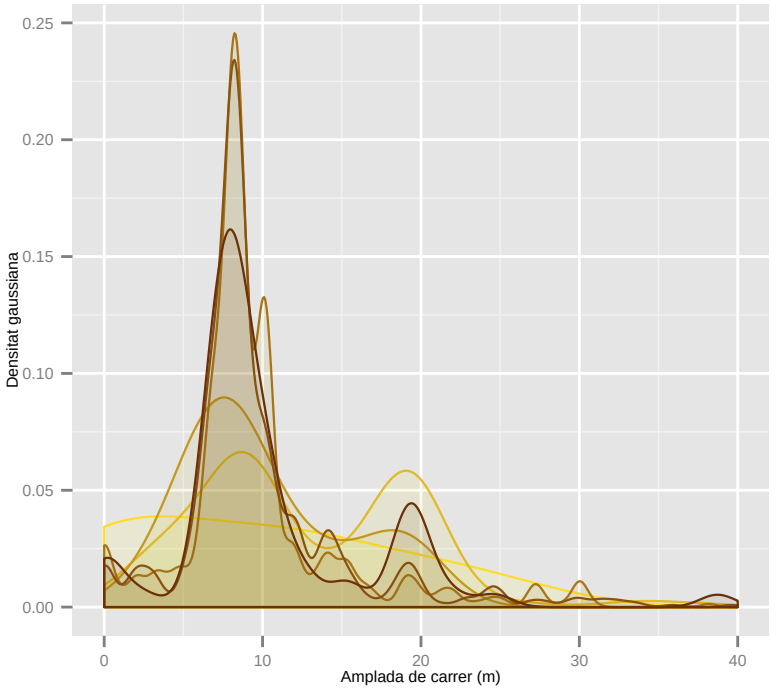
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

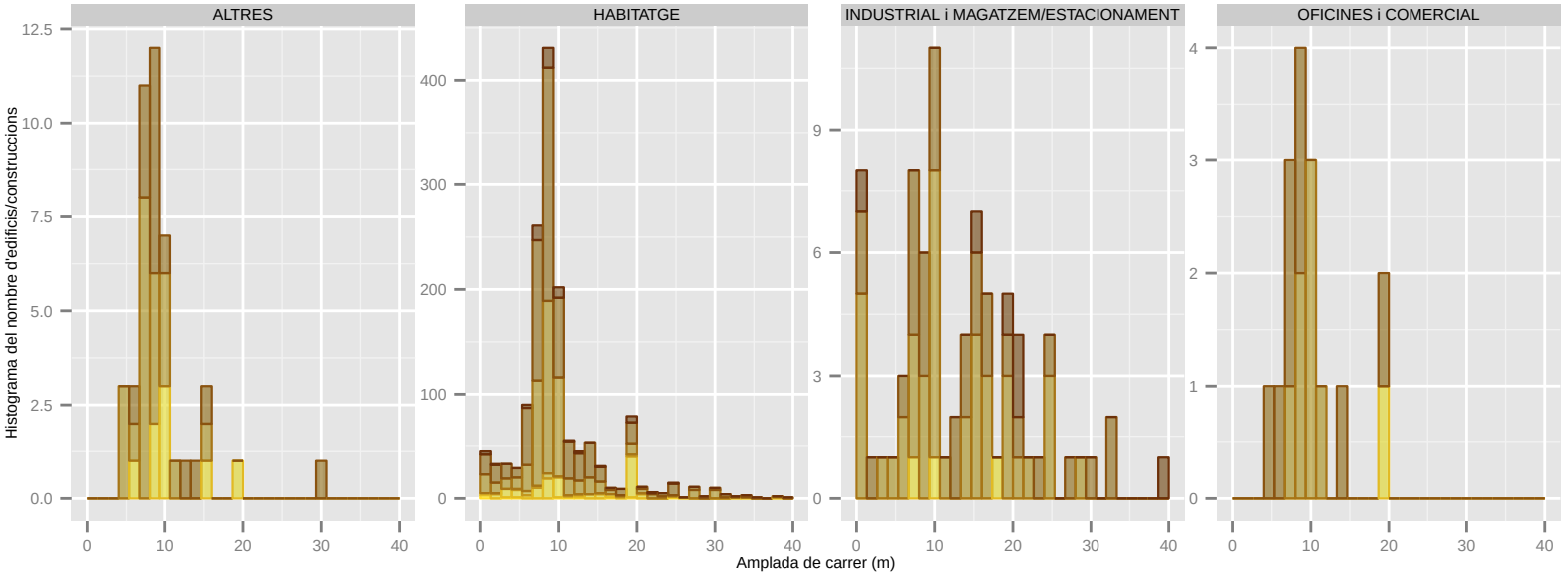
Amplada de carrer (m): PALLEJA





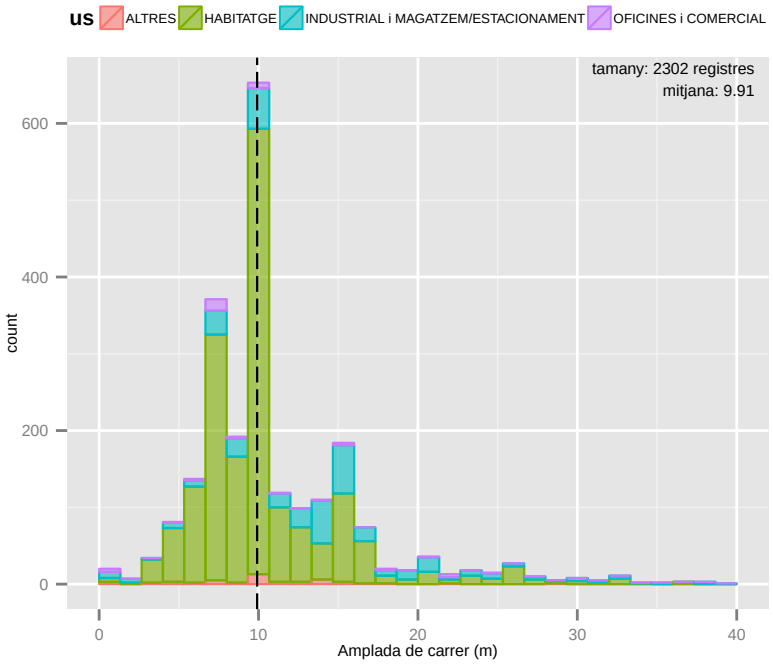


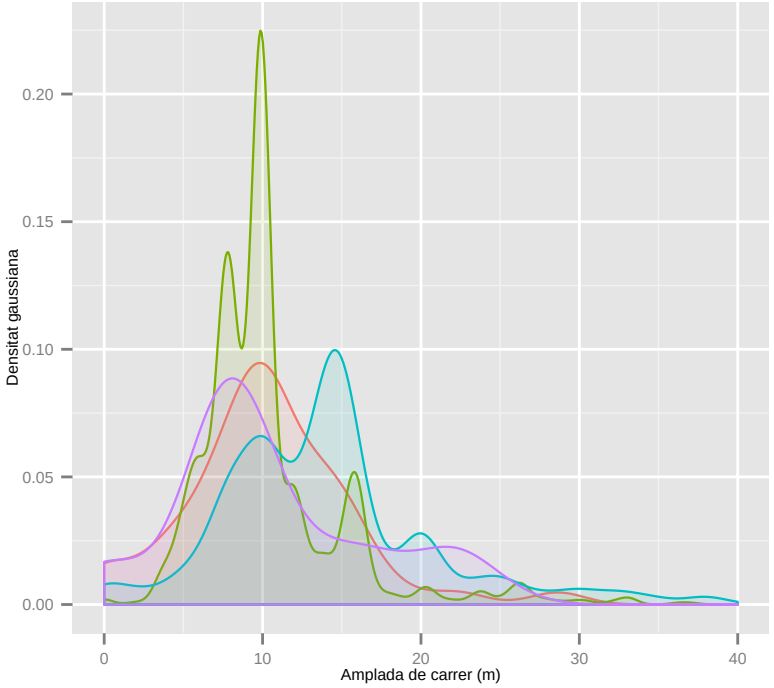


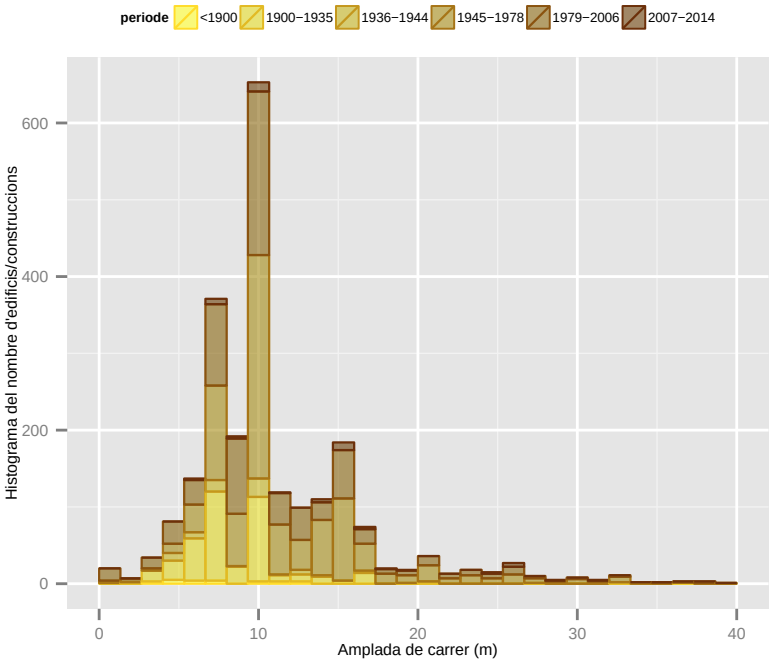


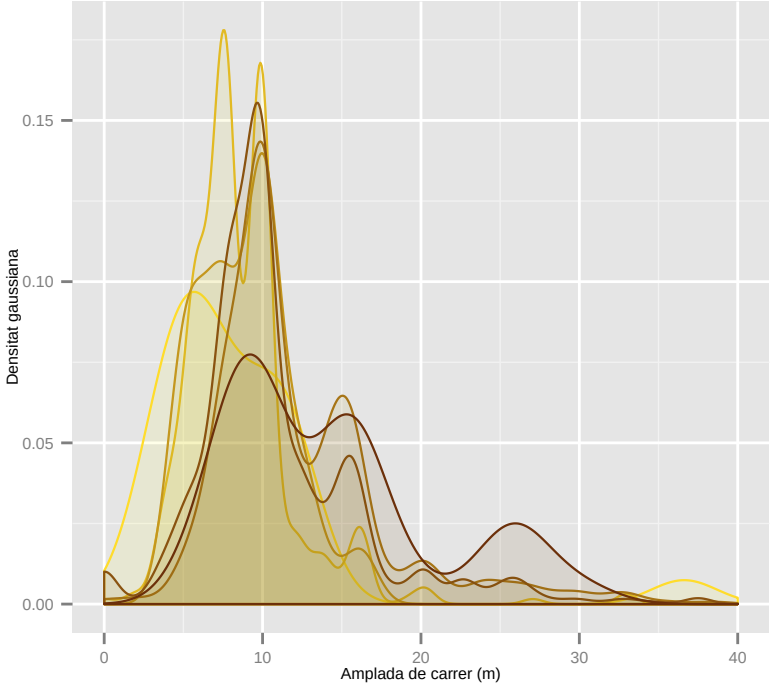
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

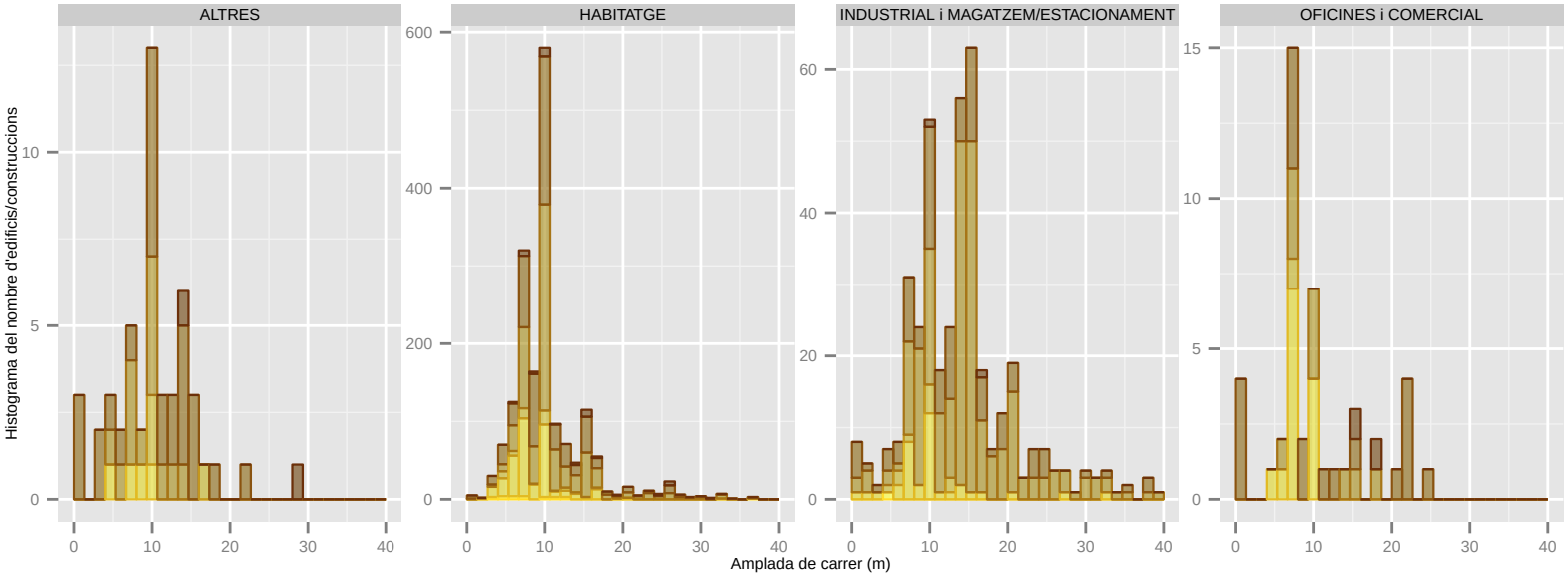
Amplada de carrer (m): RIPOLLET





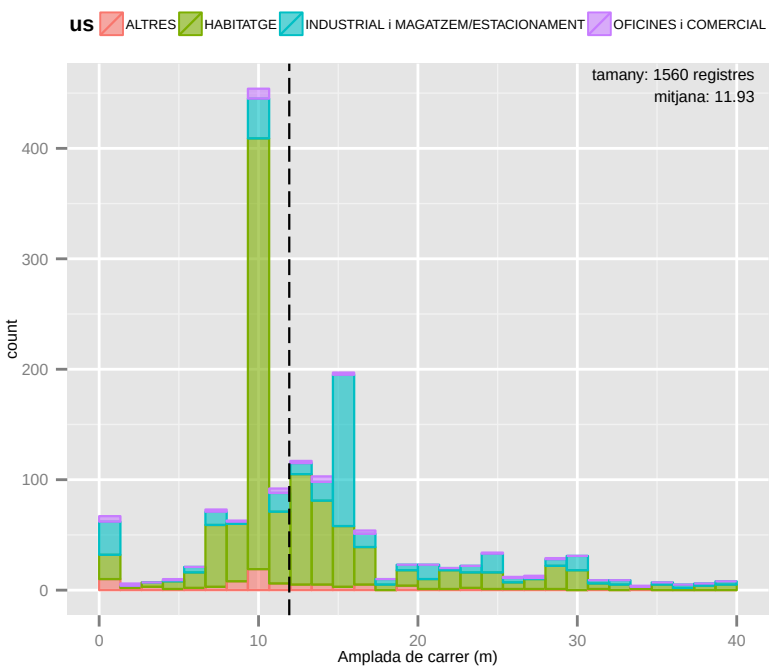


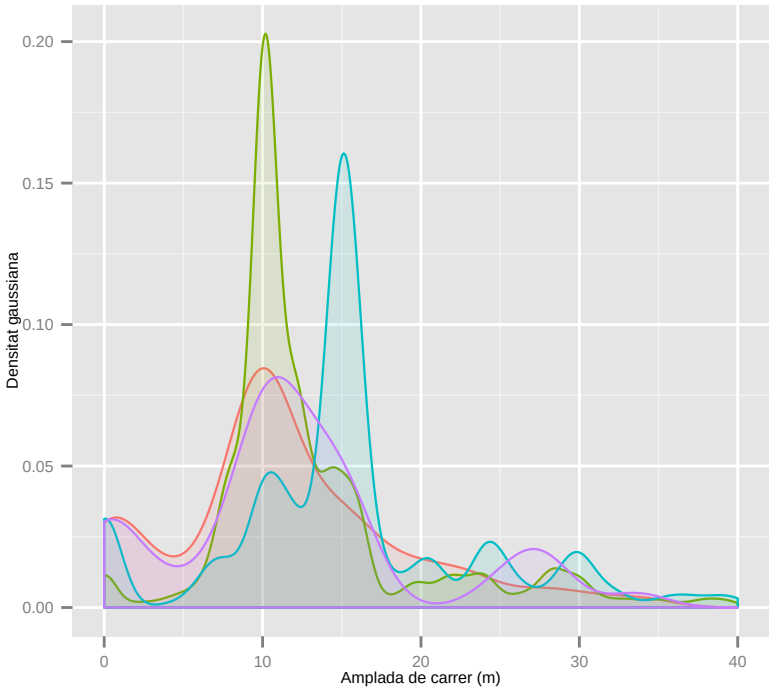


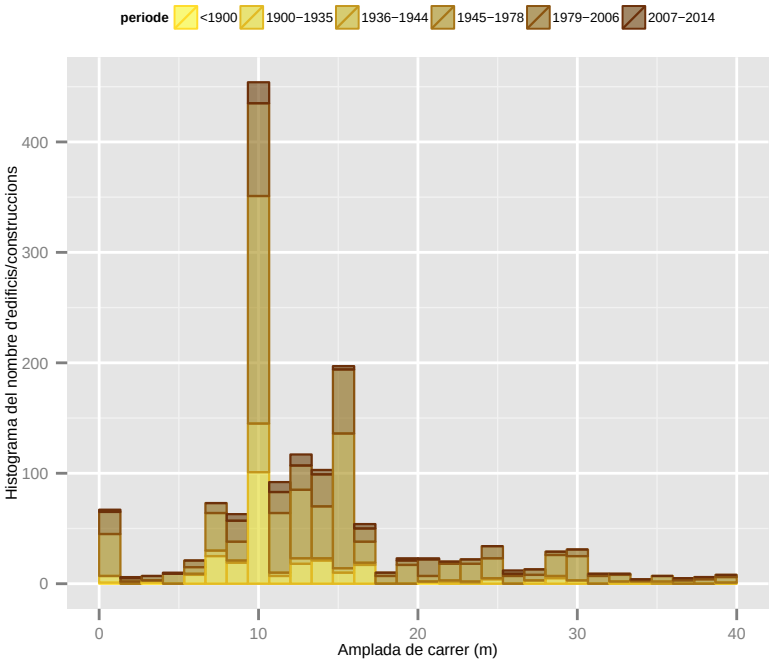


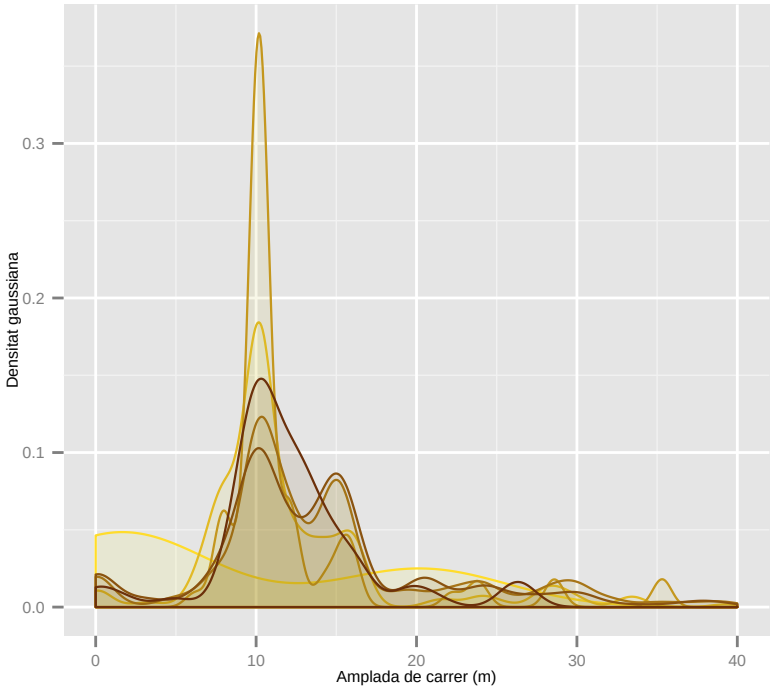
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

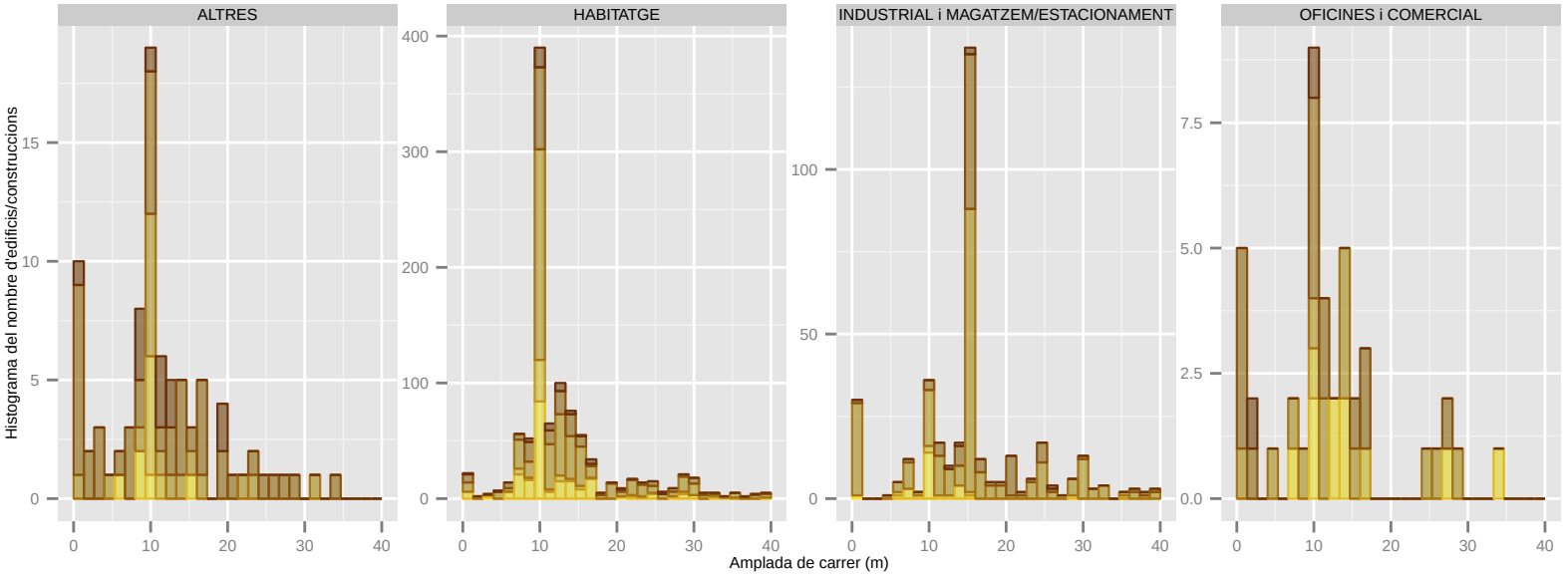
Amplada de carrer (m): SANT ADRIA DE BESOS





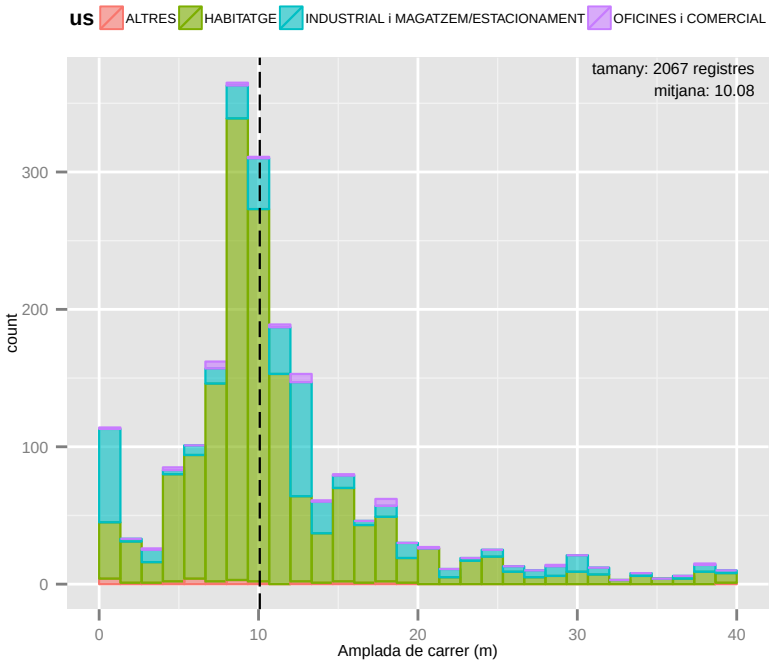


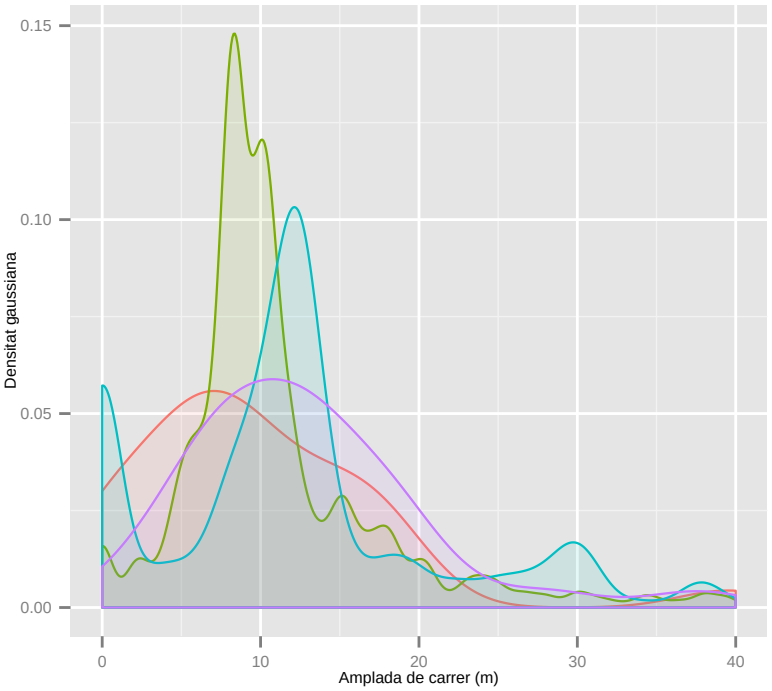


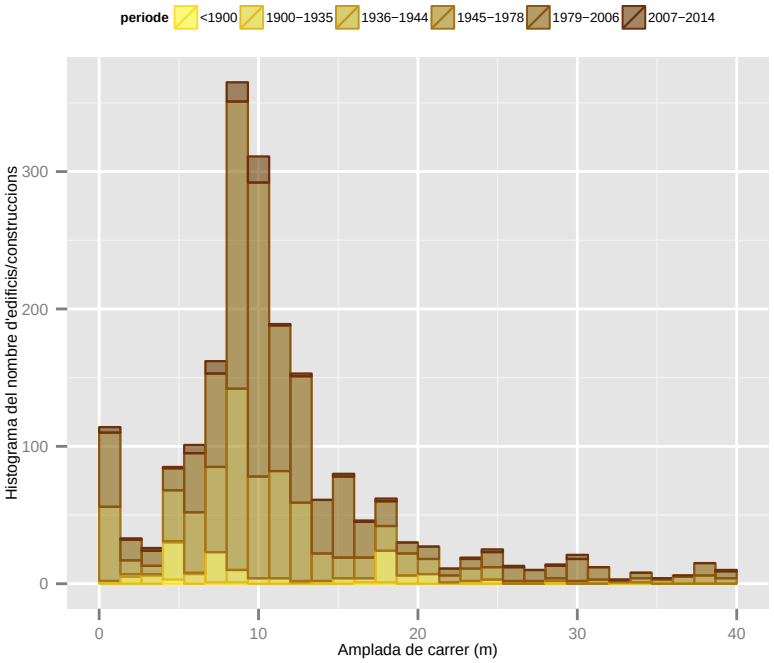


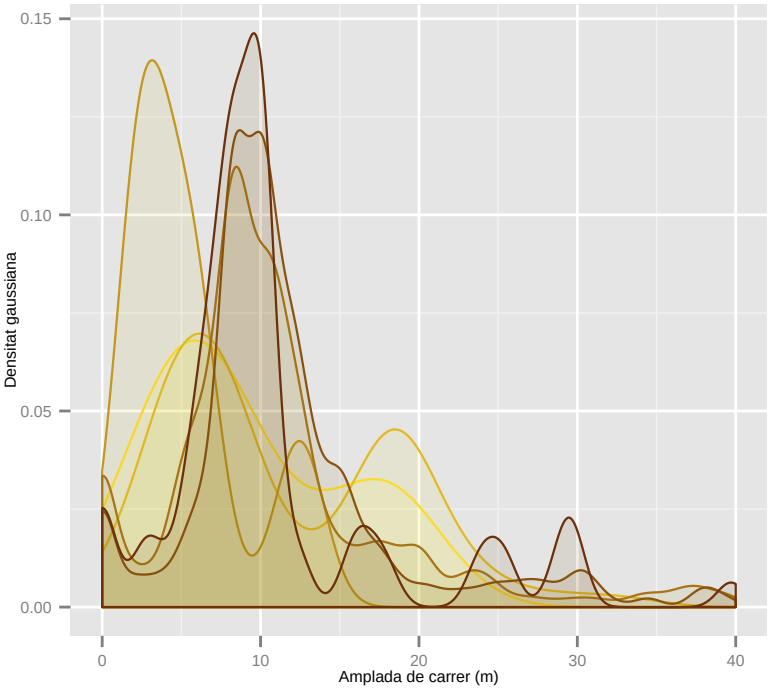
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

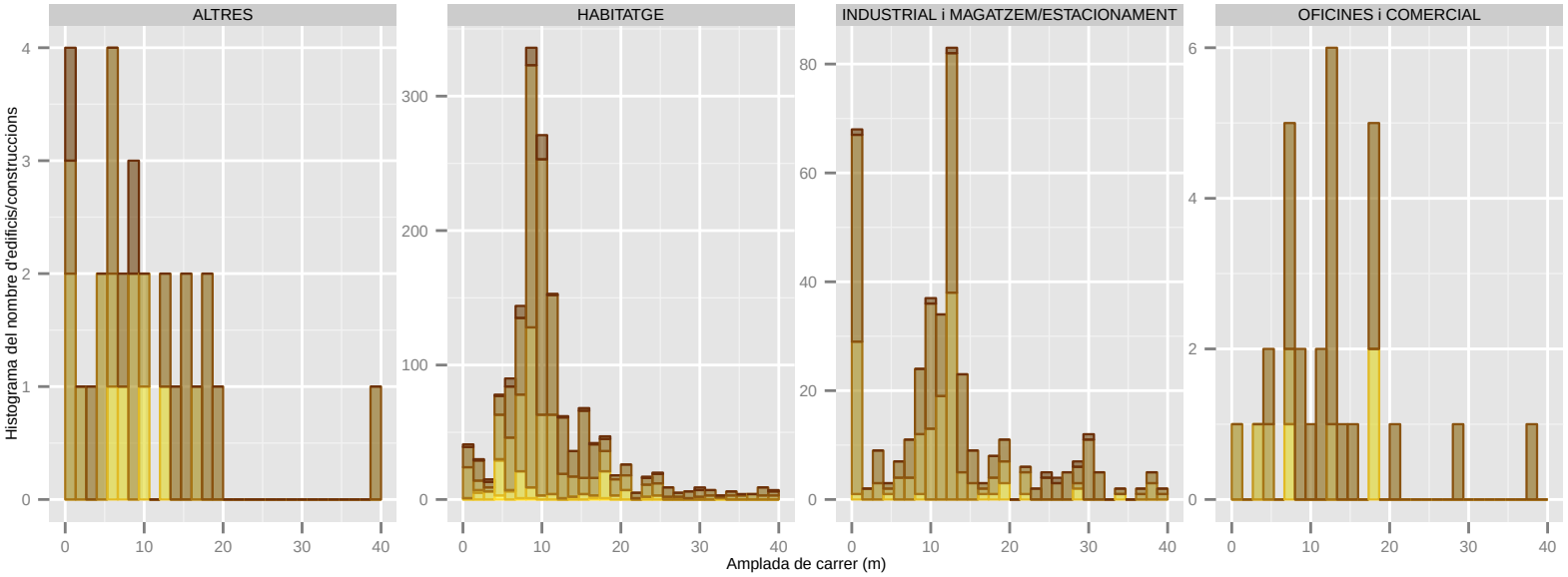
Amplada de carrer (m): SANT ANDREU DE LA BARCA











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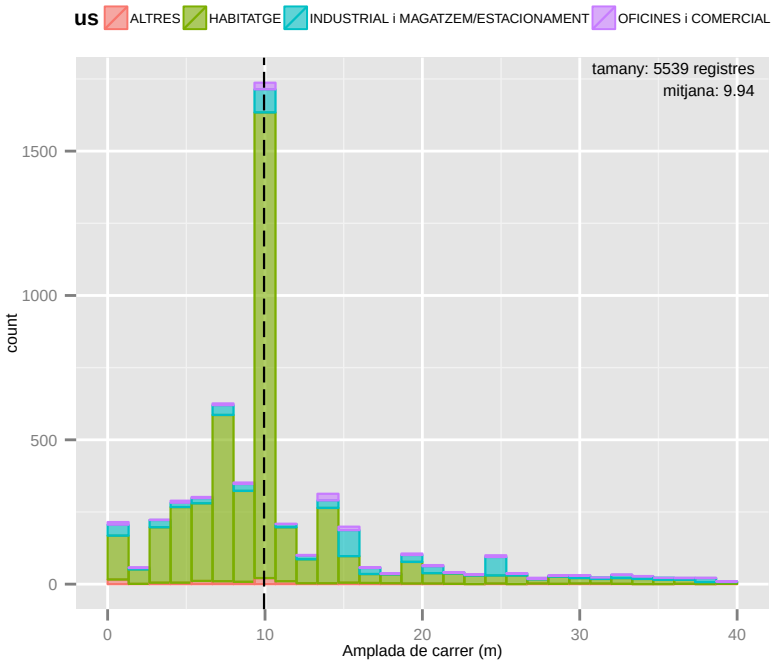
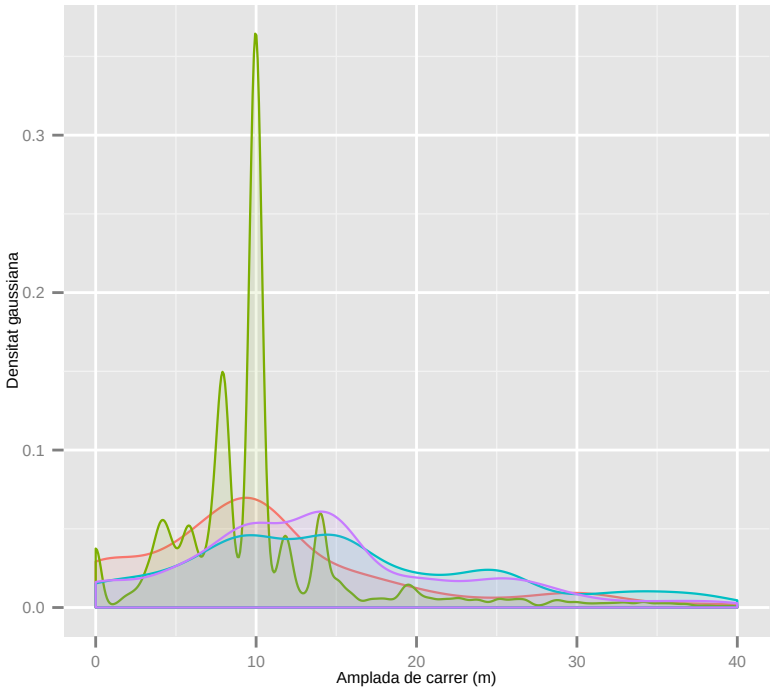
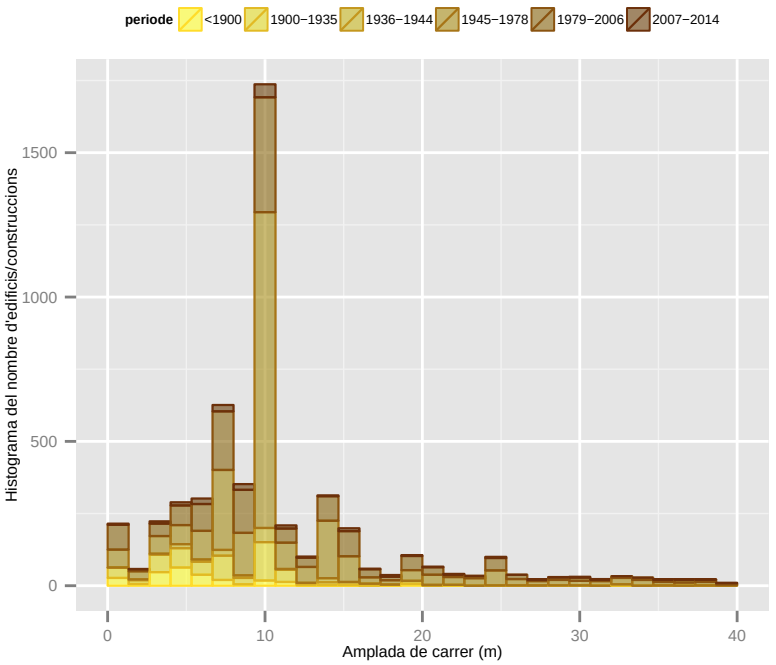
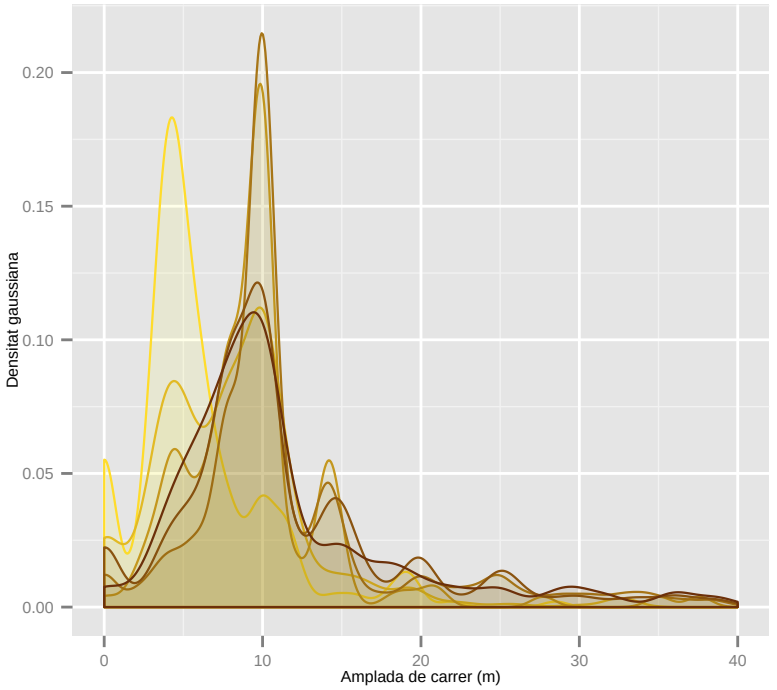
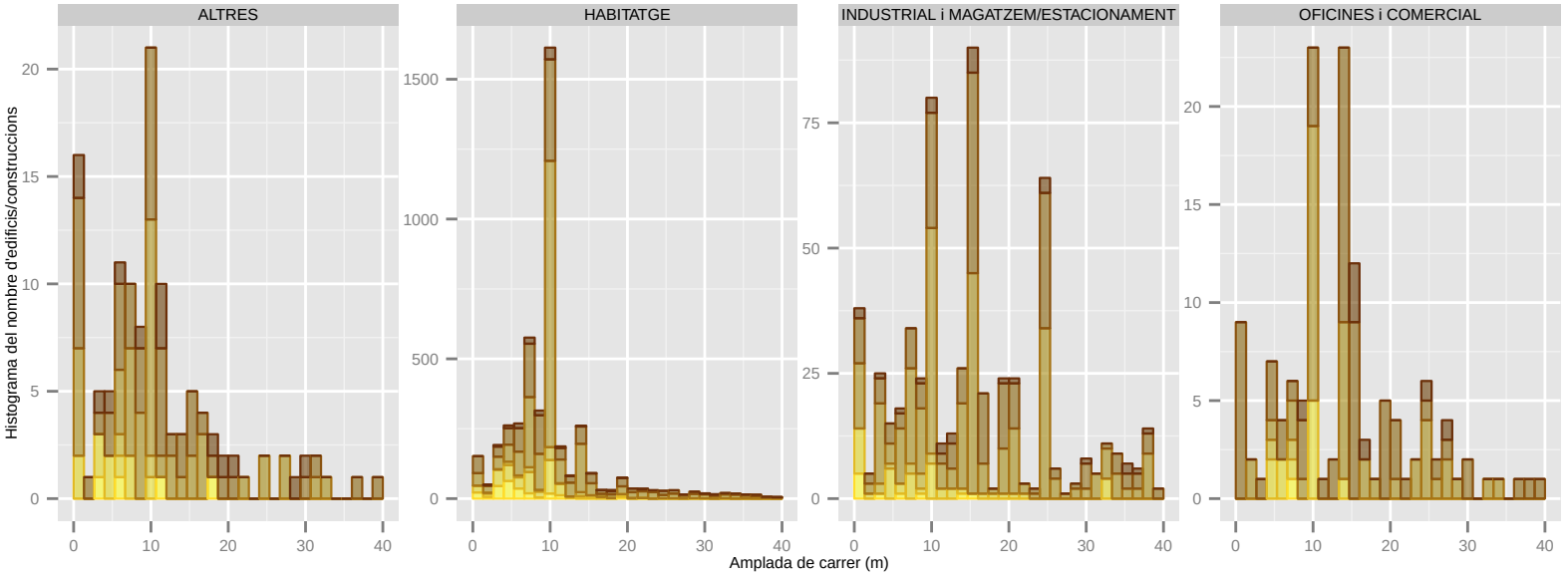
Amplada de carrer (m): SANT BOI DE LLOBREGAT





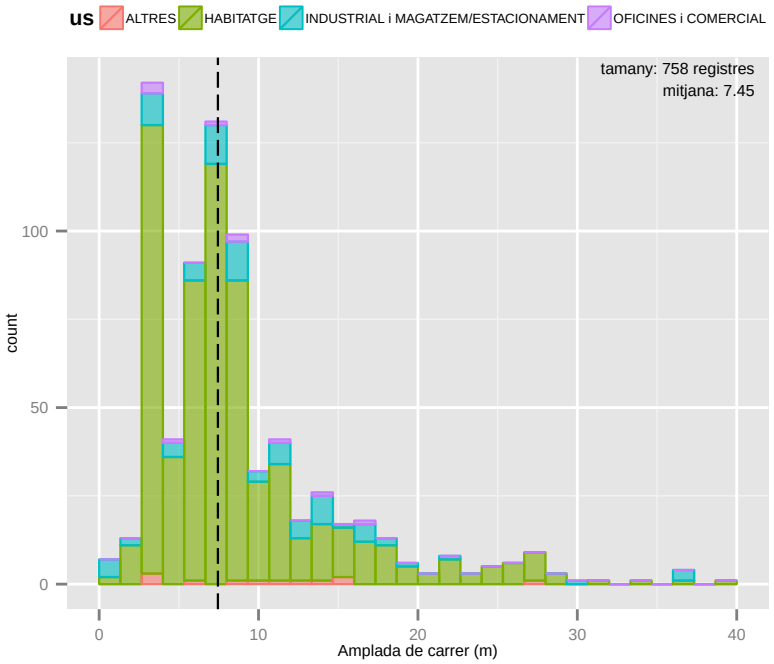


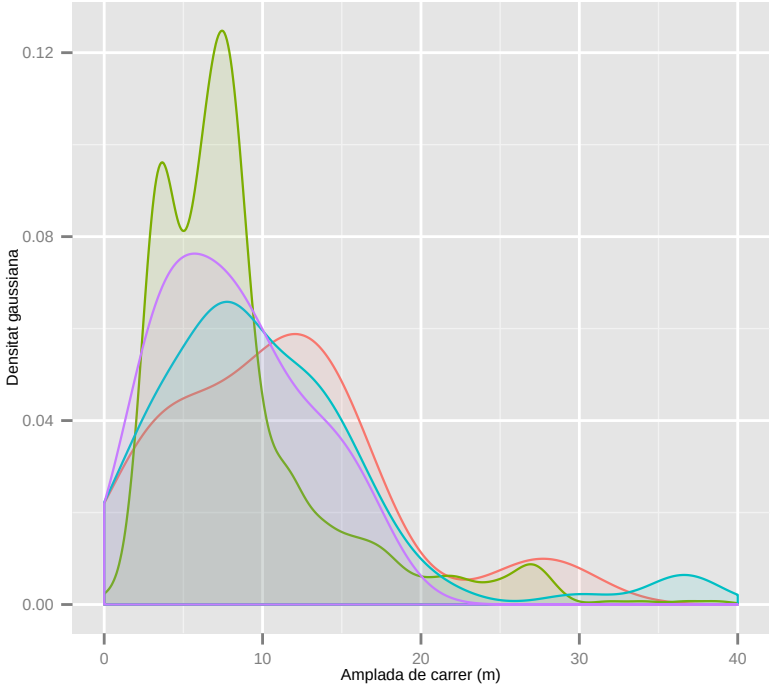


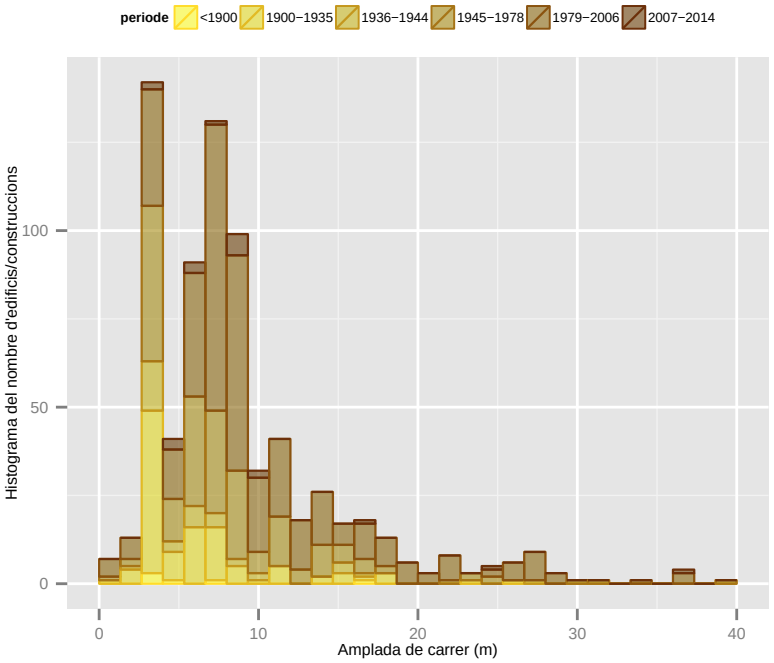


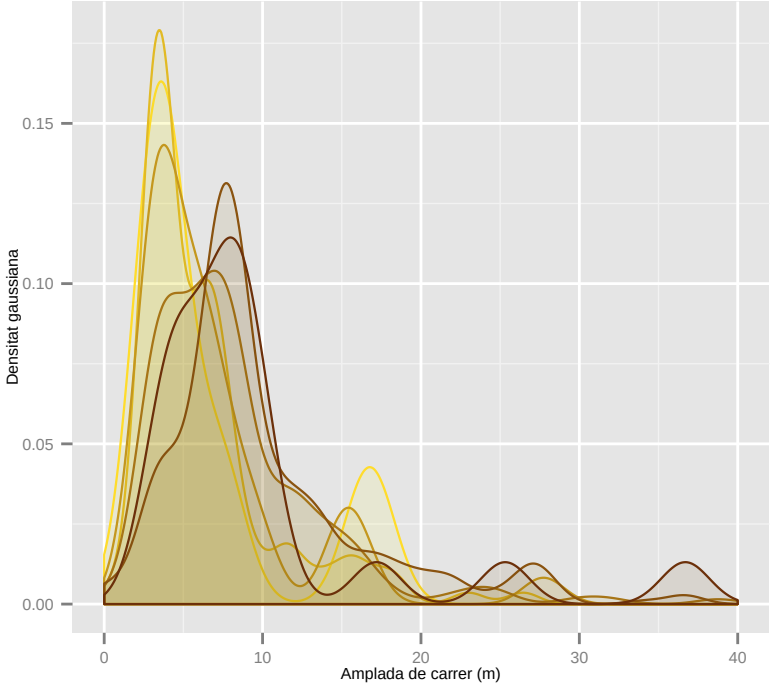
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

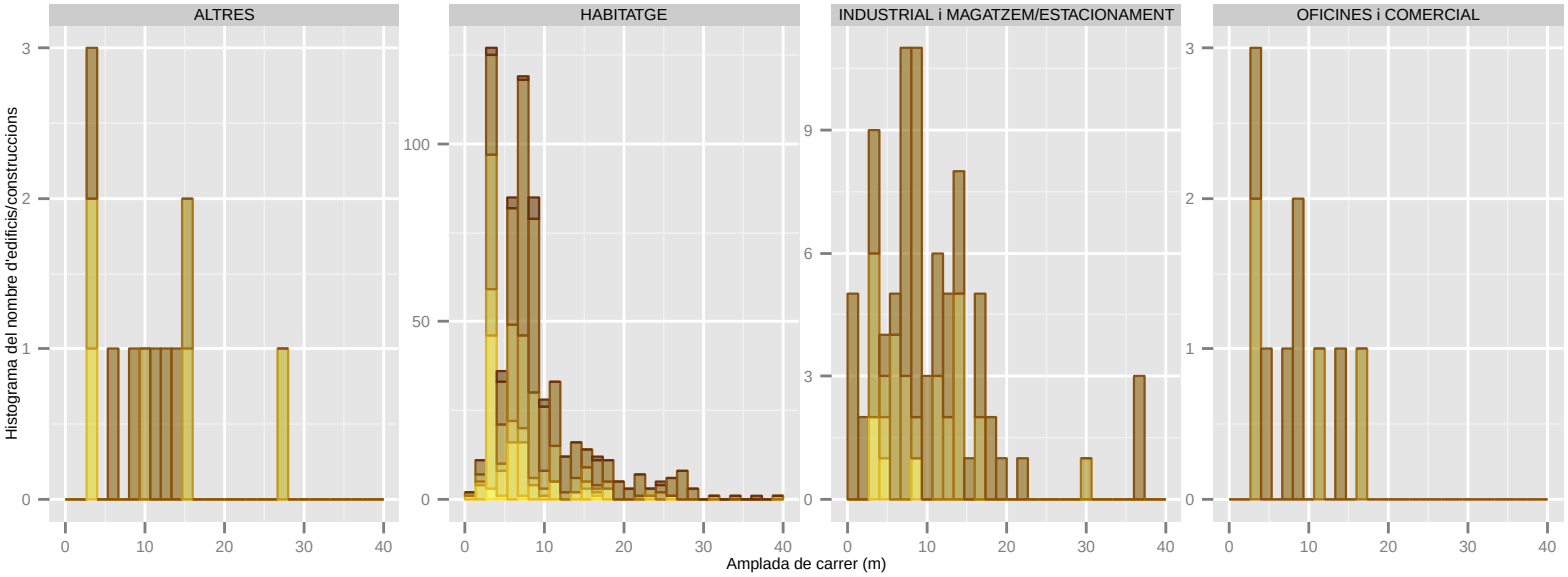
Amplada de carrer (m): SANT CLIMENT DE LLOBREGAT





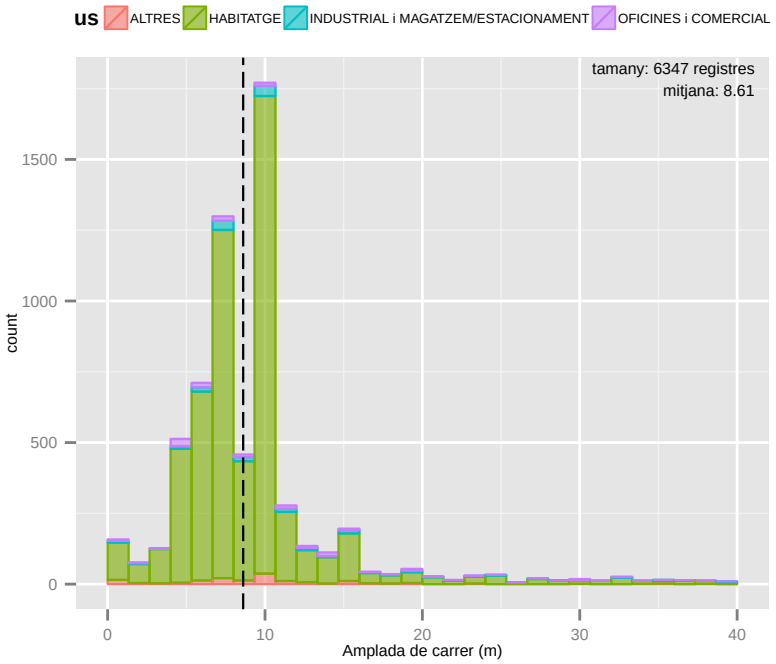


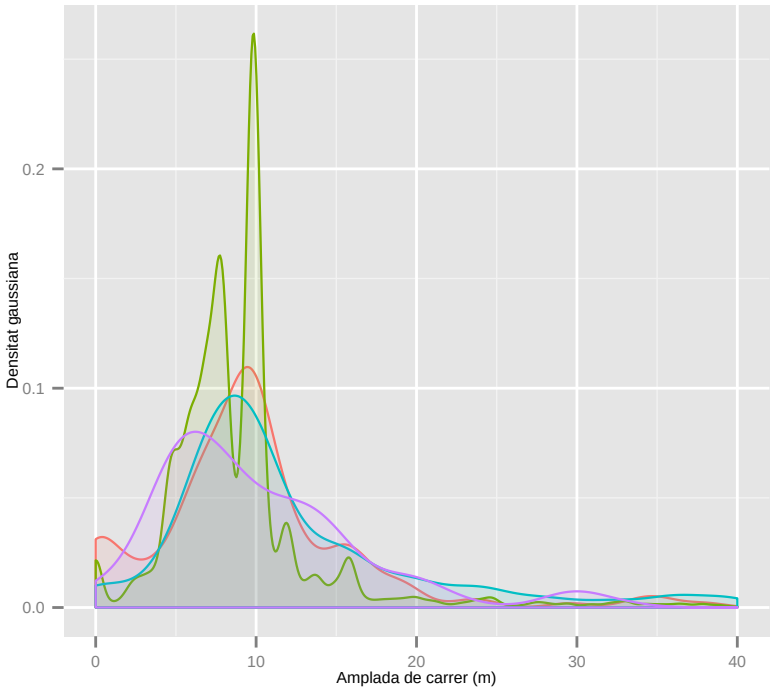


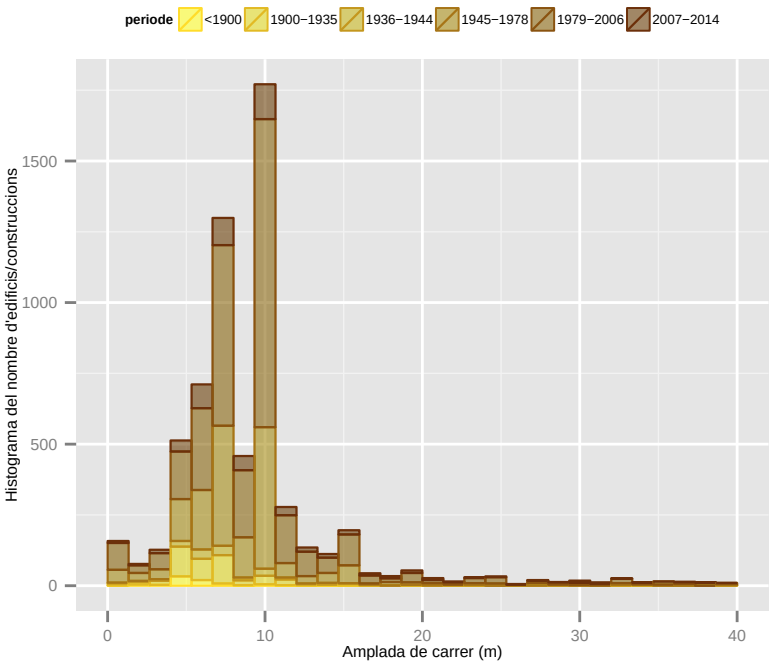


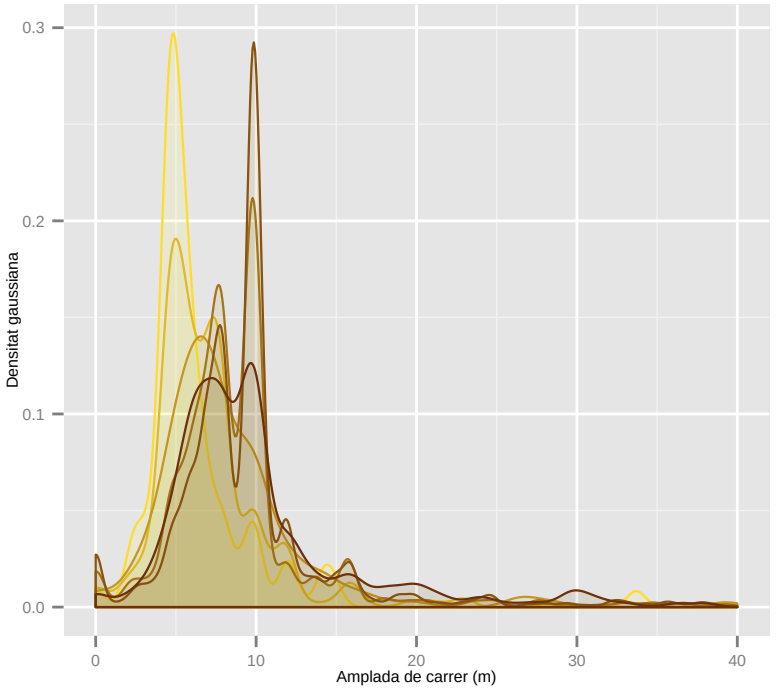
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

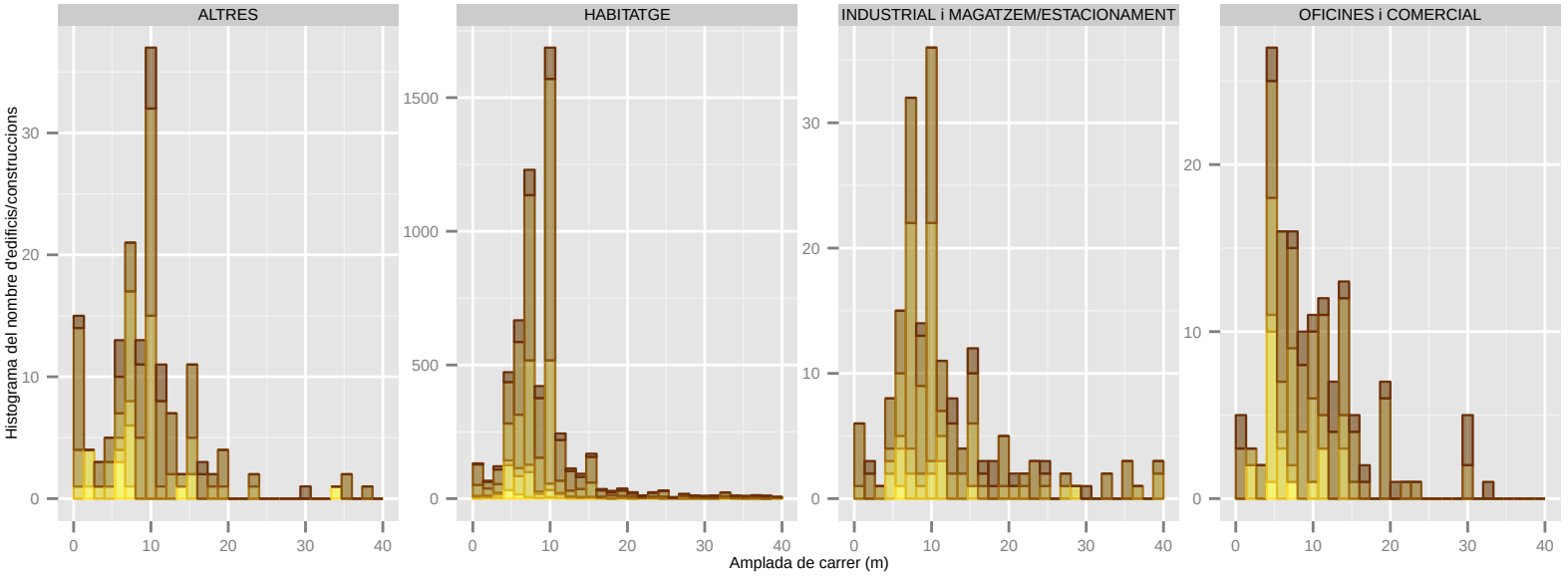
Amplada de carrer (m): SANT CUGAT DEL VALLES





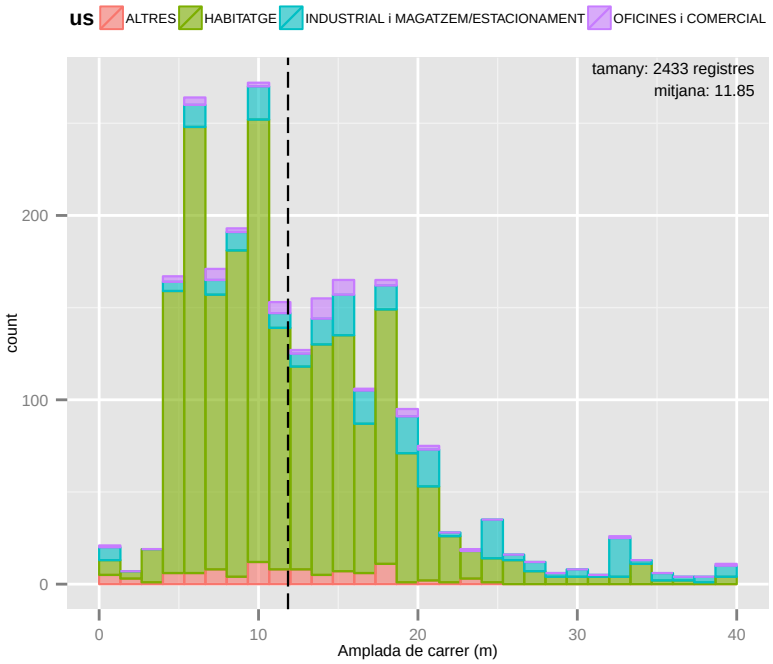


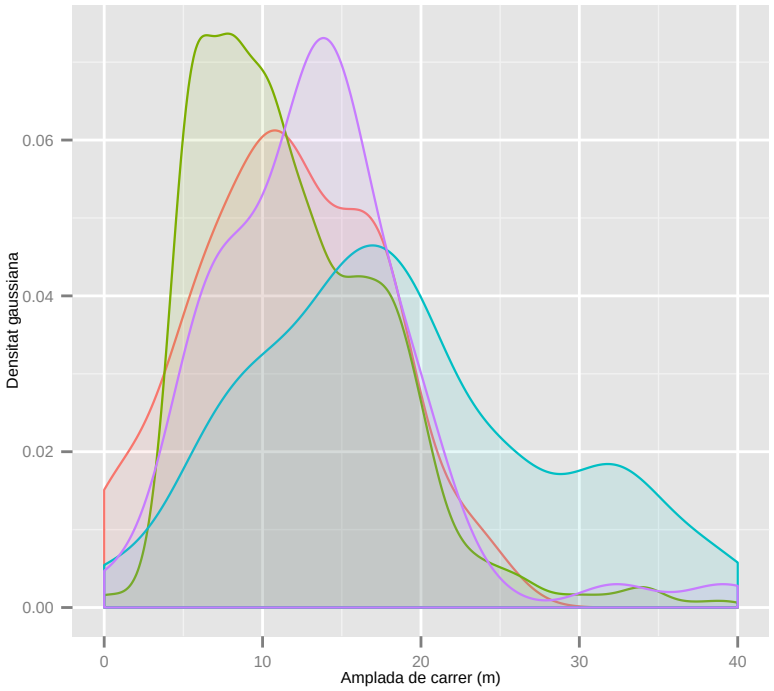


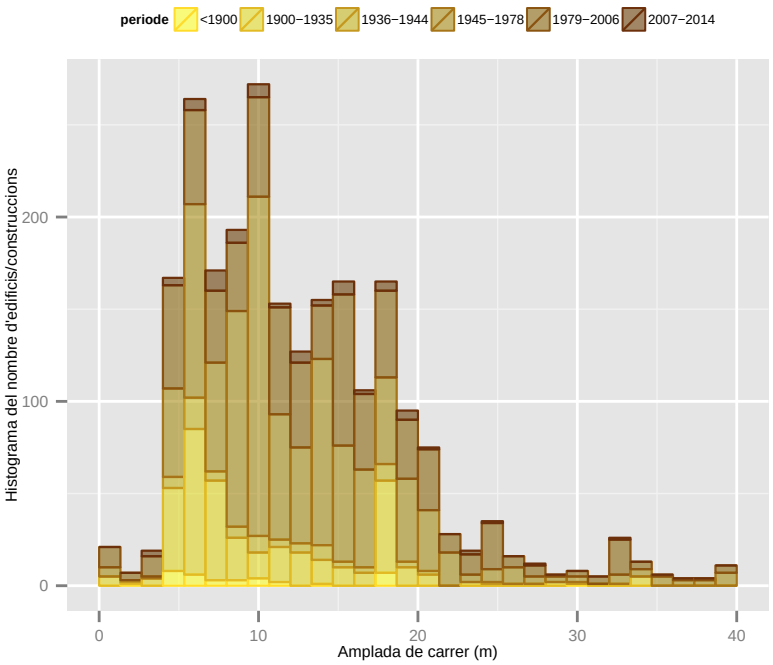


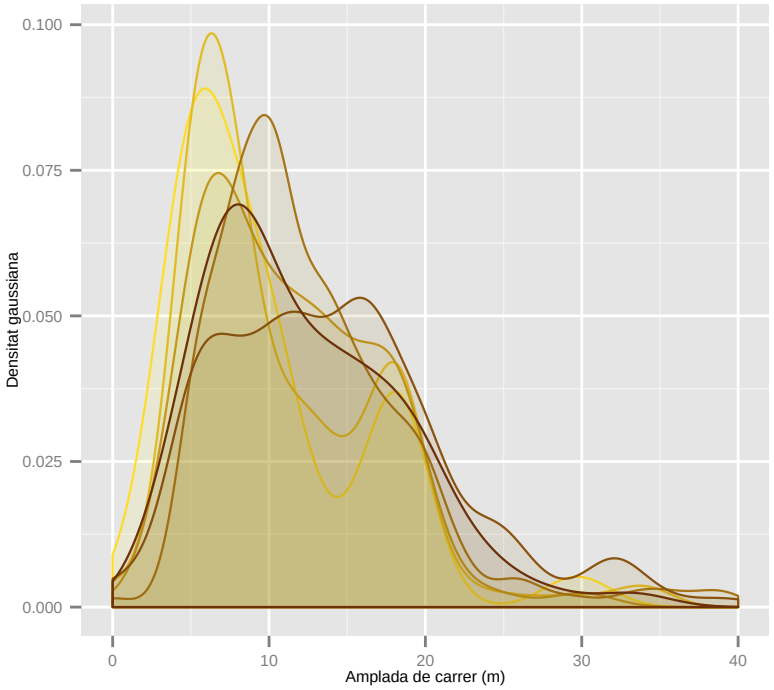
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

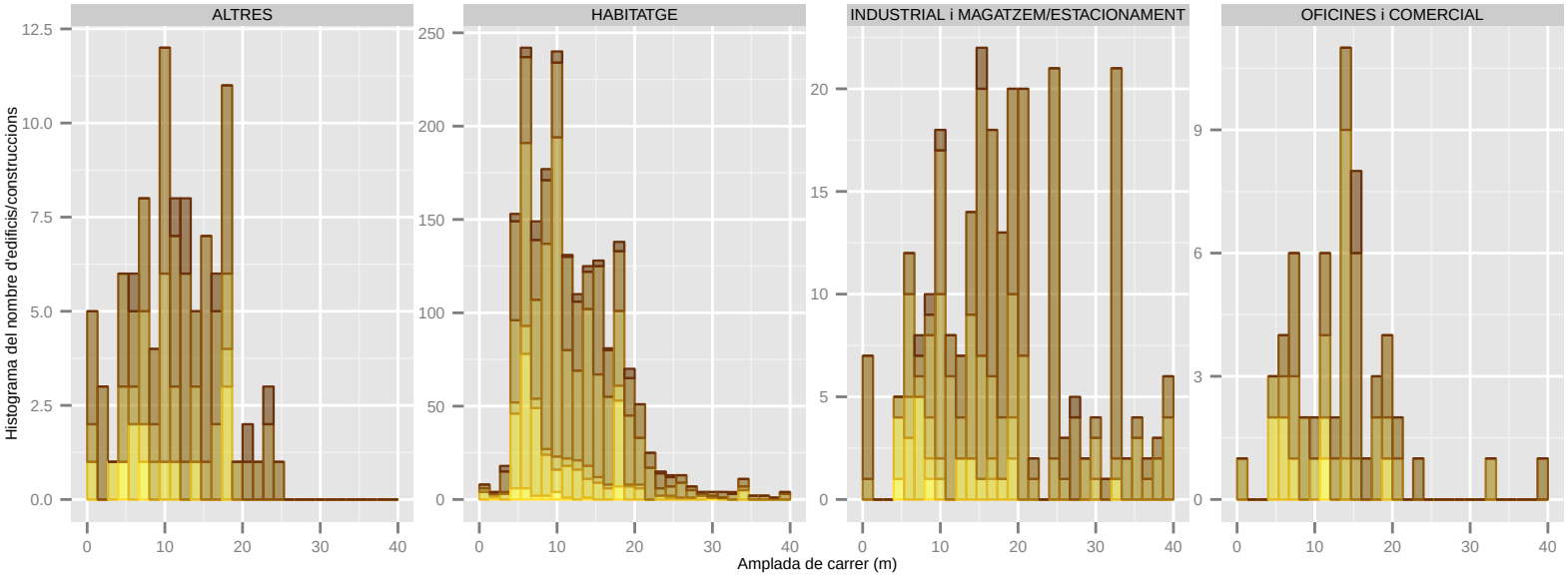
Amplada de carrer (m): SANT FELIU DE LLOBREGAT





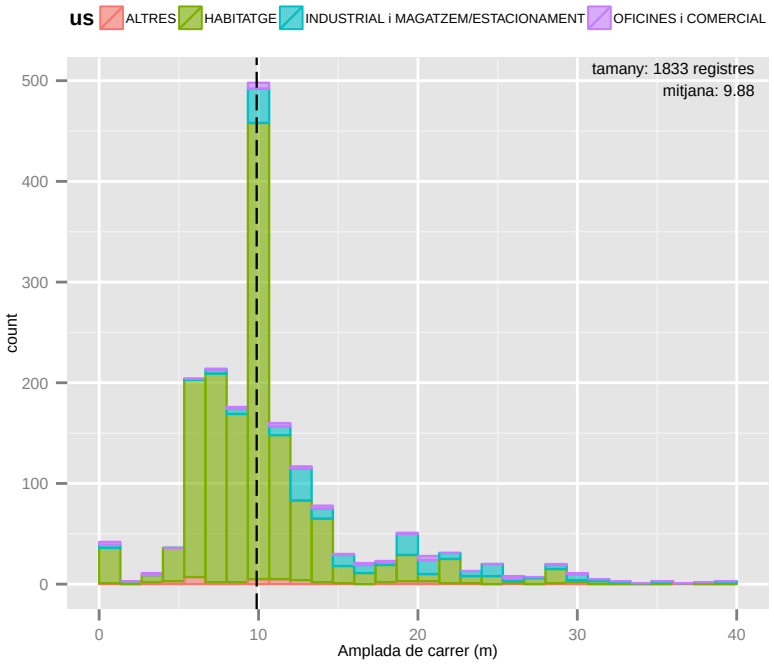


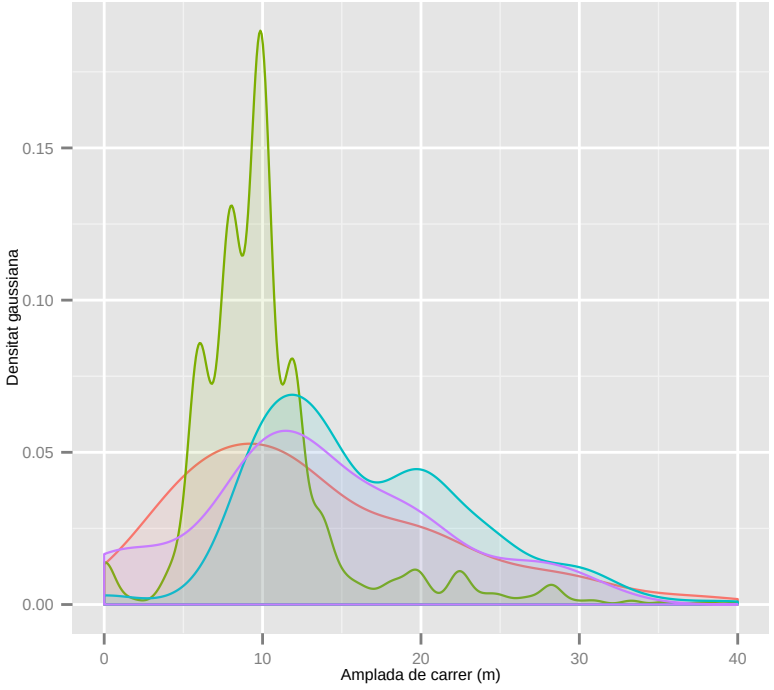


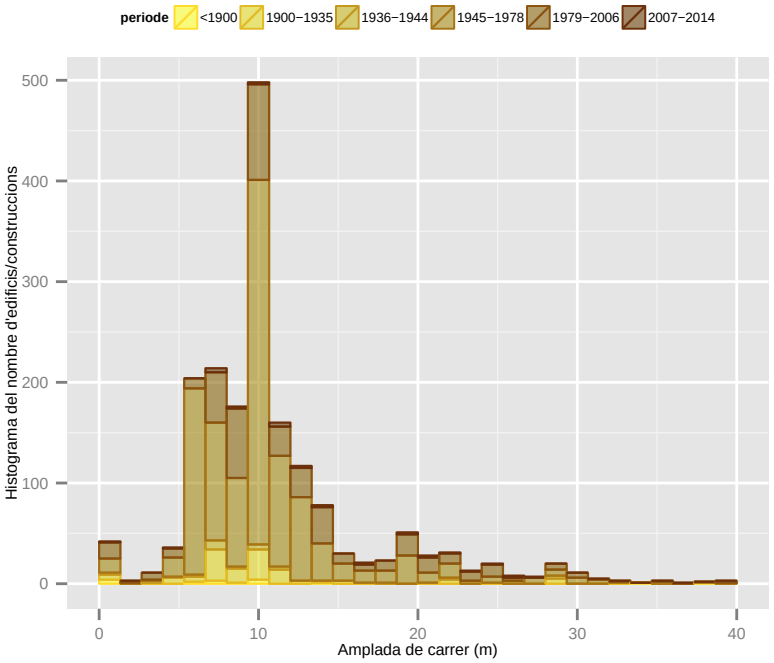


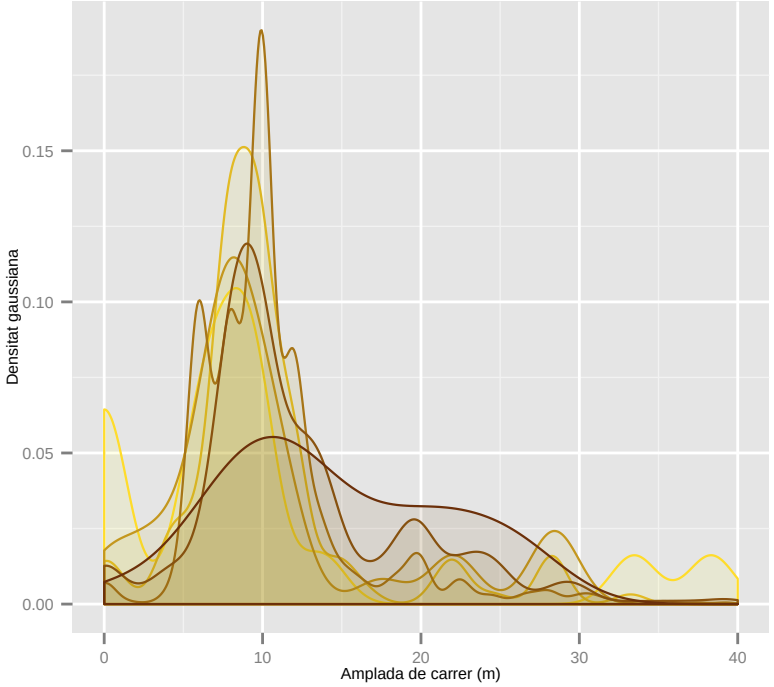
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

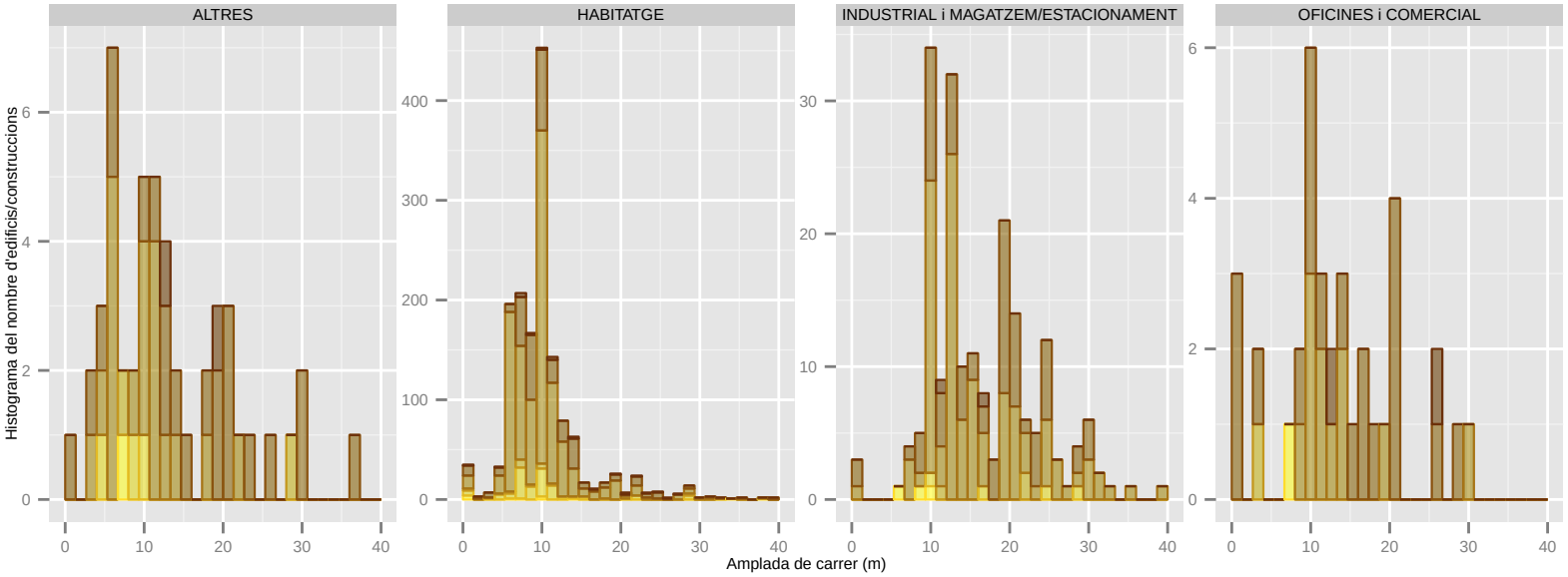
Amplada de carrer (m): SANT JOAN DESPI





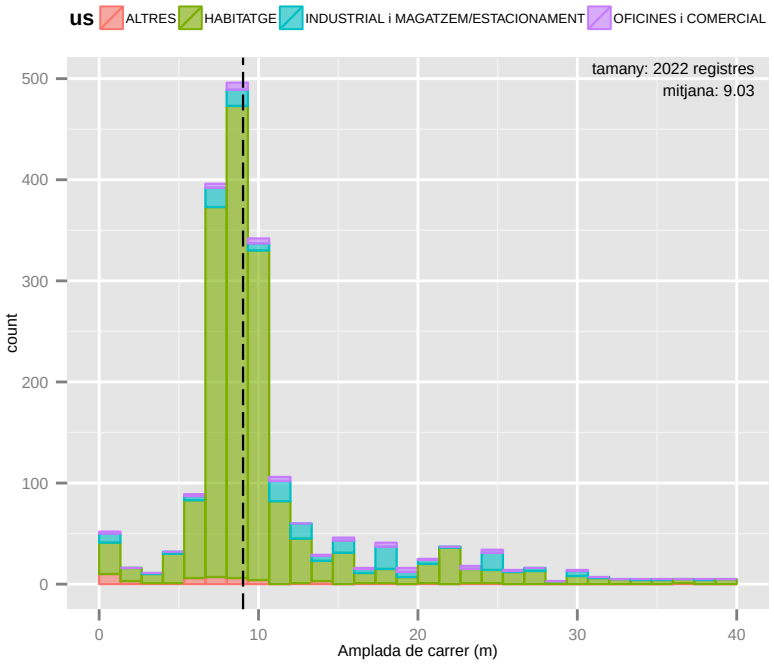


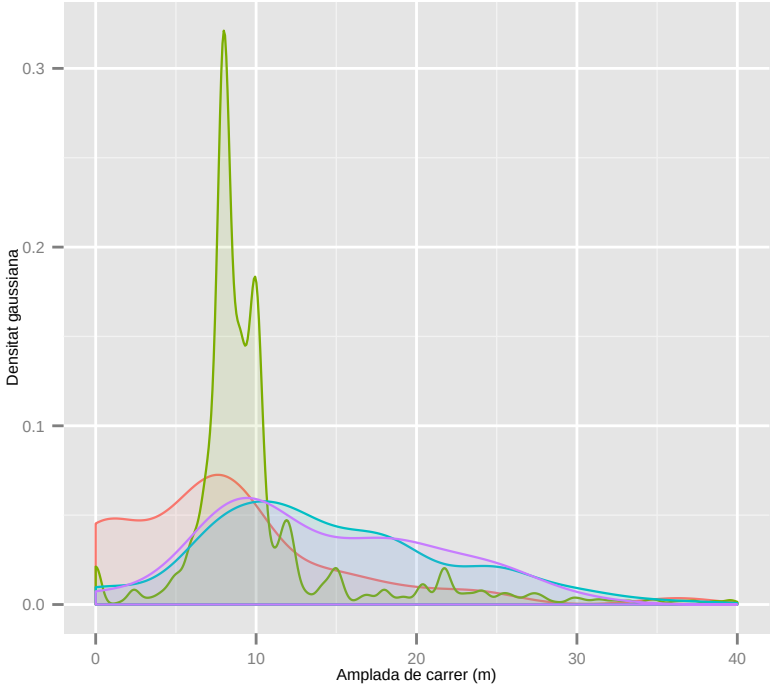


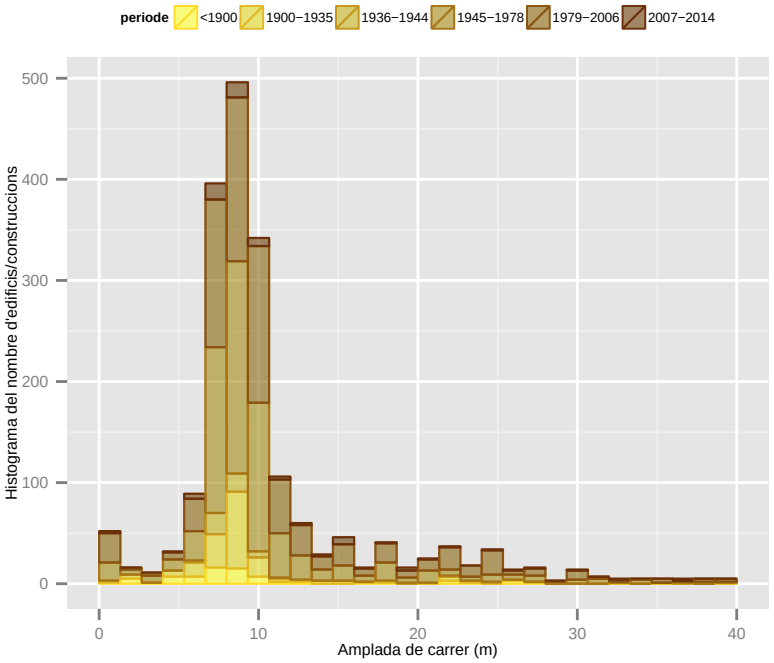


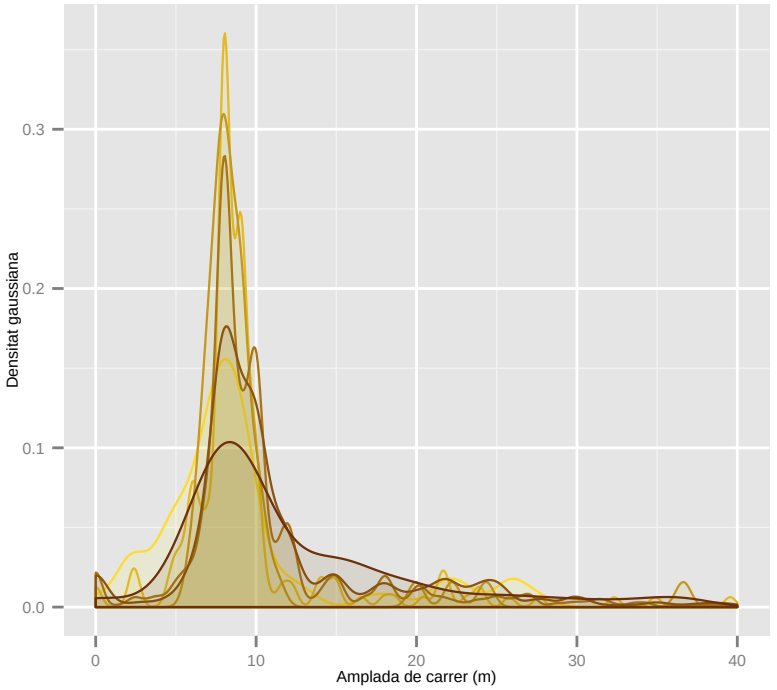
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

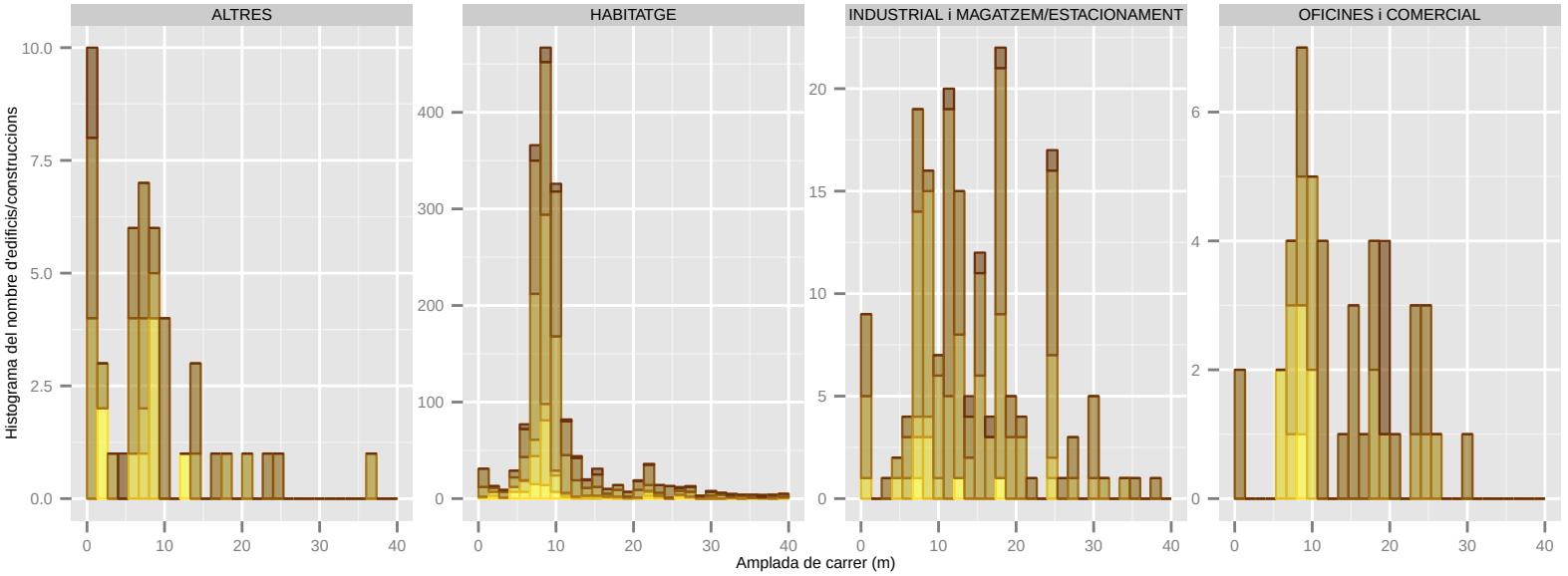
Amplada de carrer (m): SANT JUST DESVERN





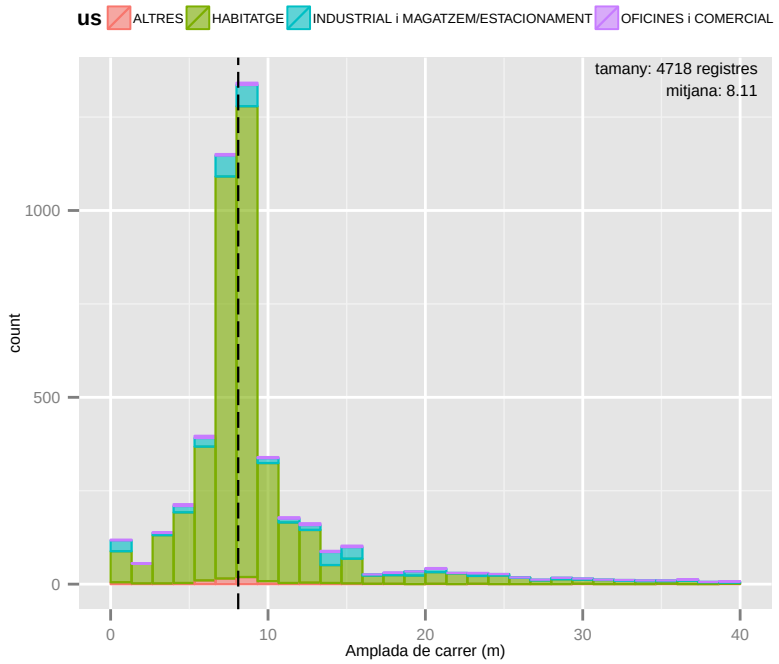


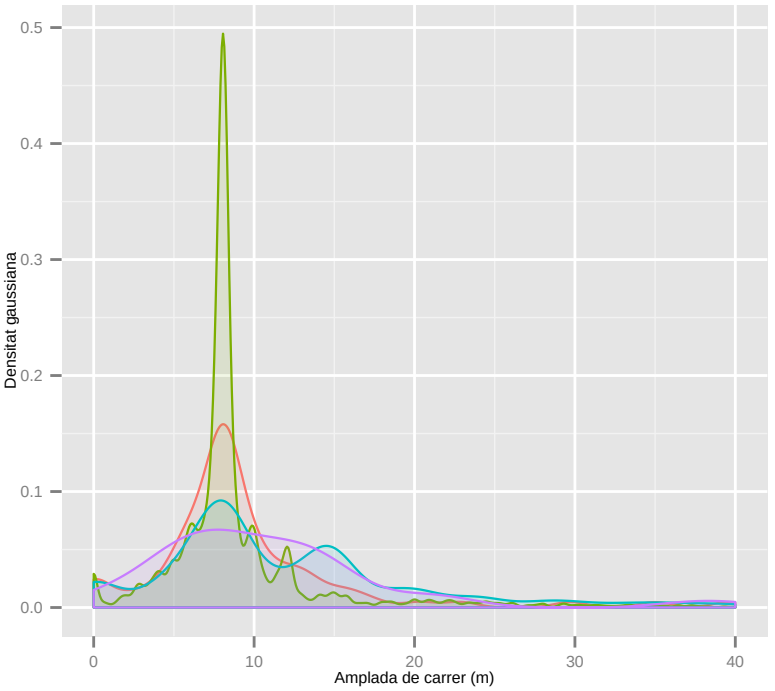


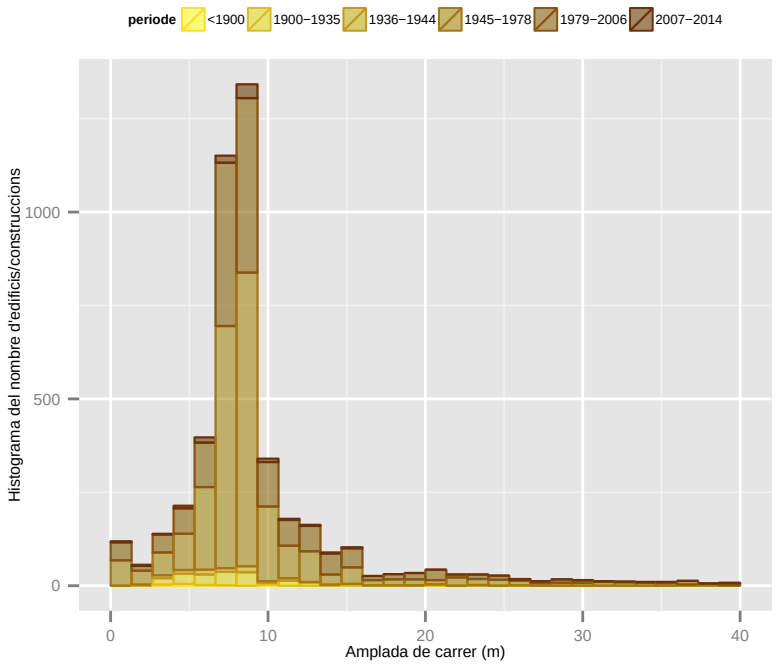


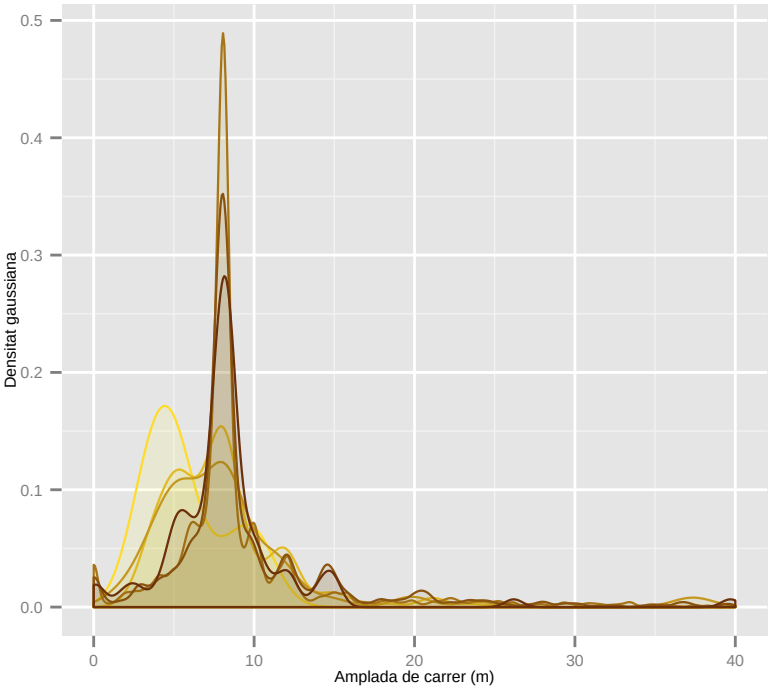
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

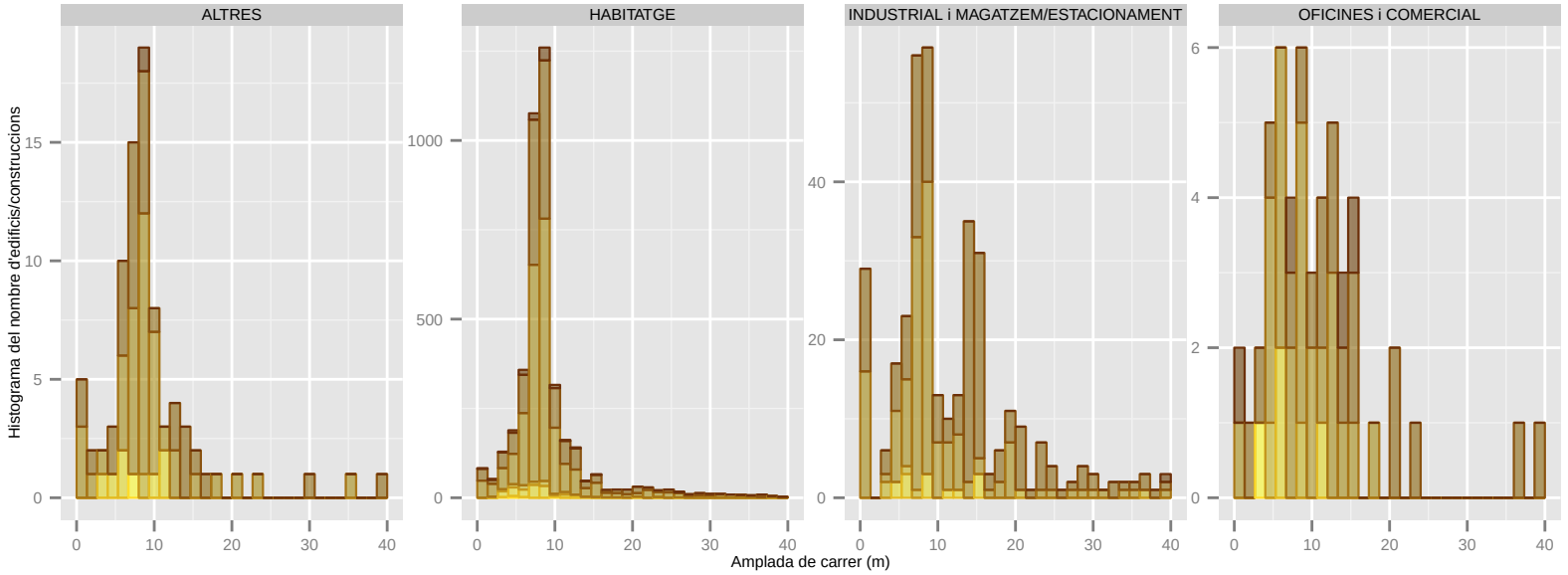
Amplada de carrer (m): SANT VICENÃ‡ DELS HORTS











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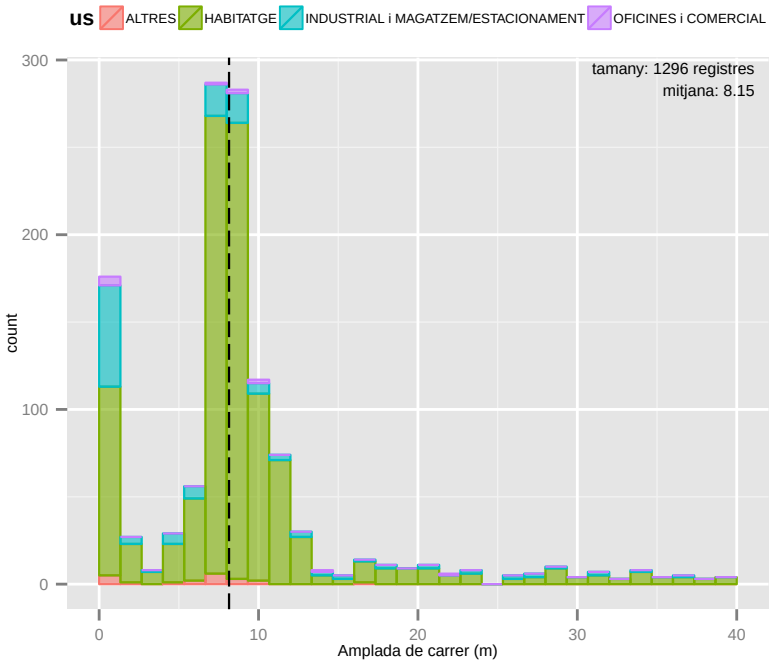
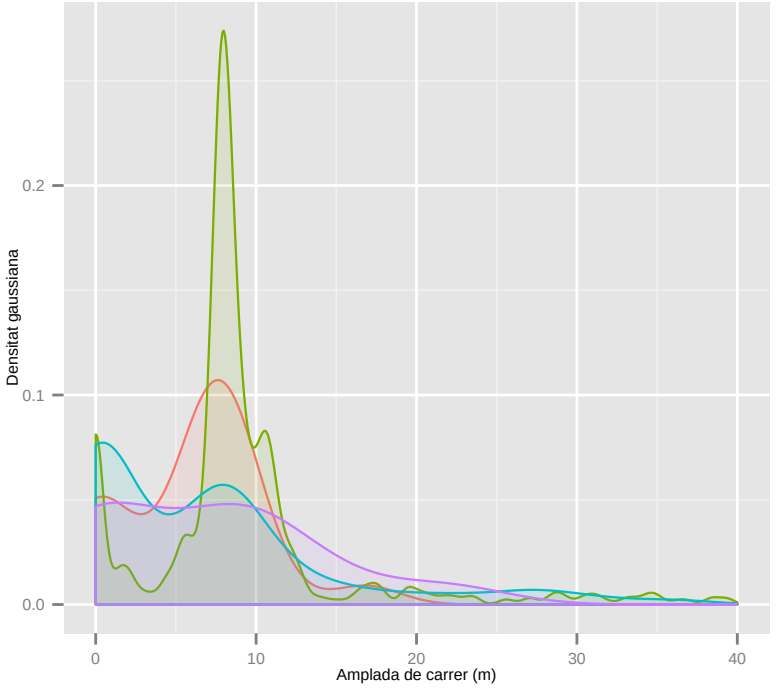
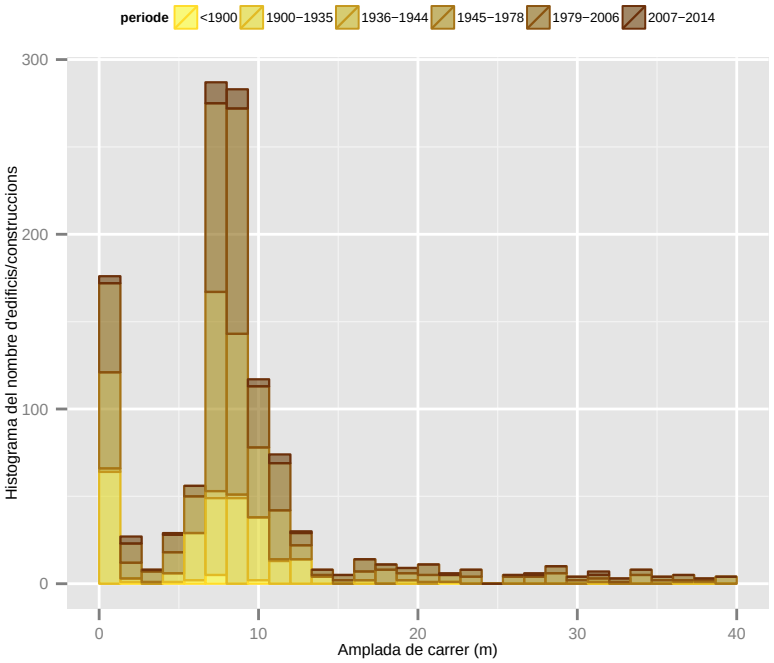
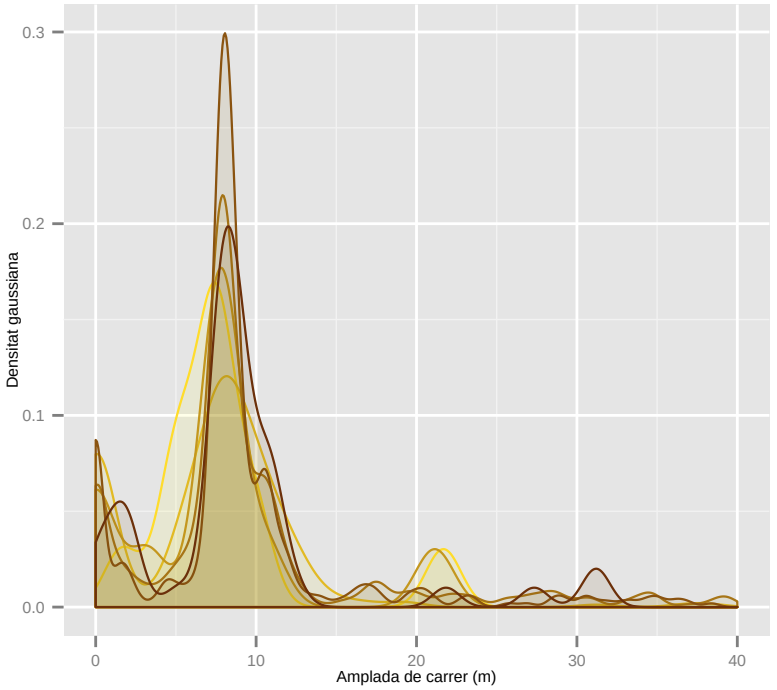
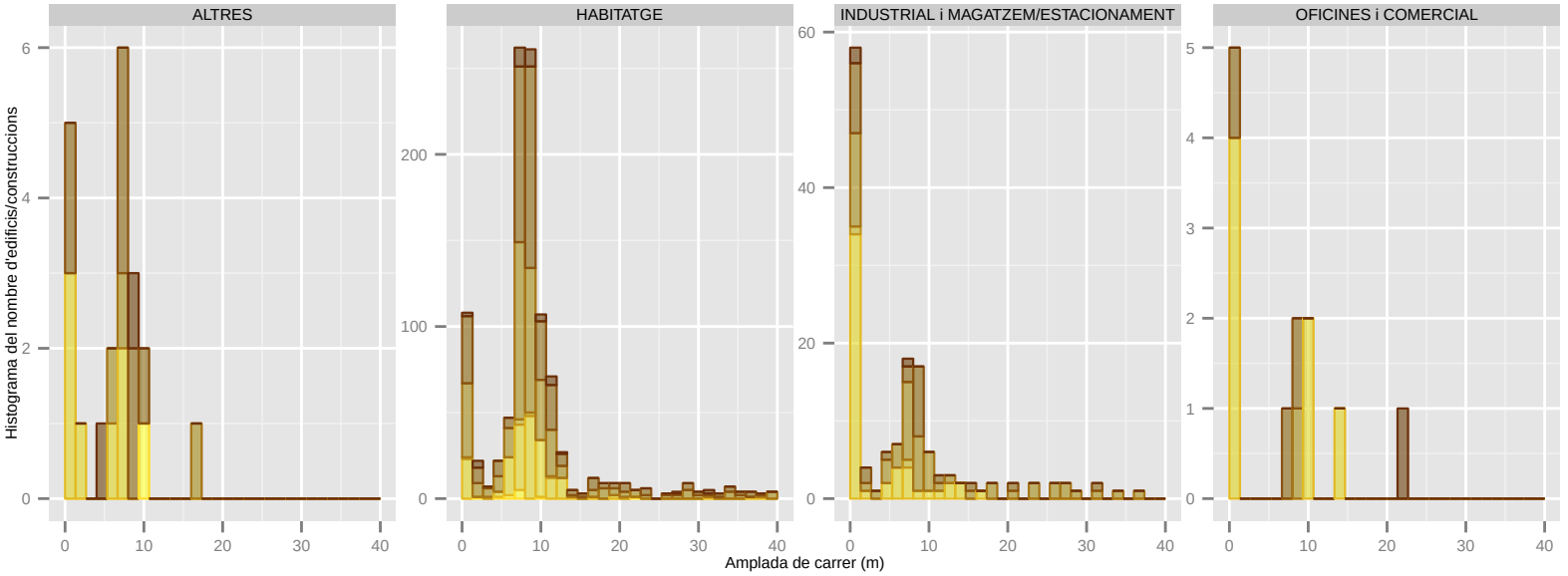
Amplada de carrer (m): SANTA COLOMA DE CERVELLO





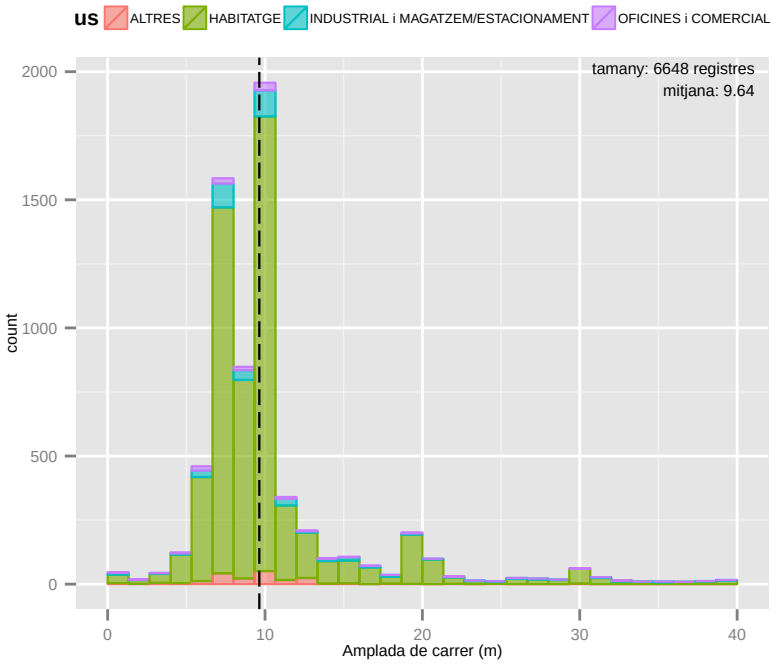


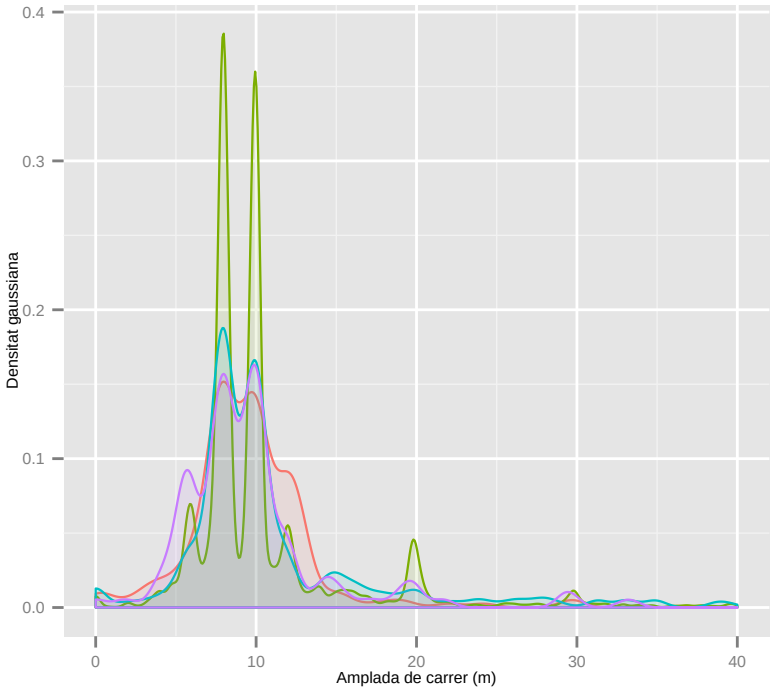


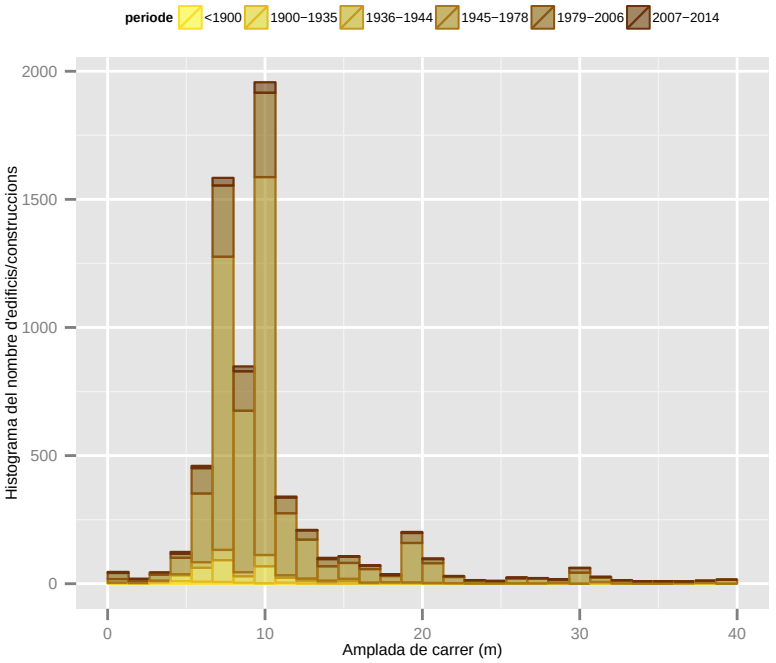


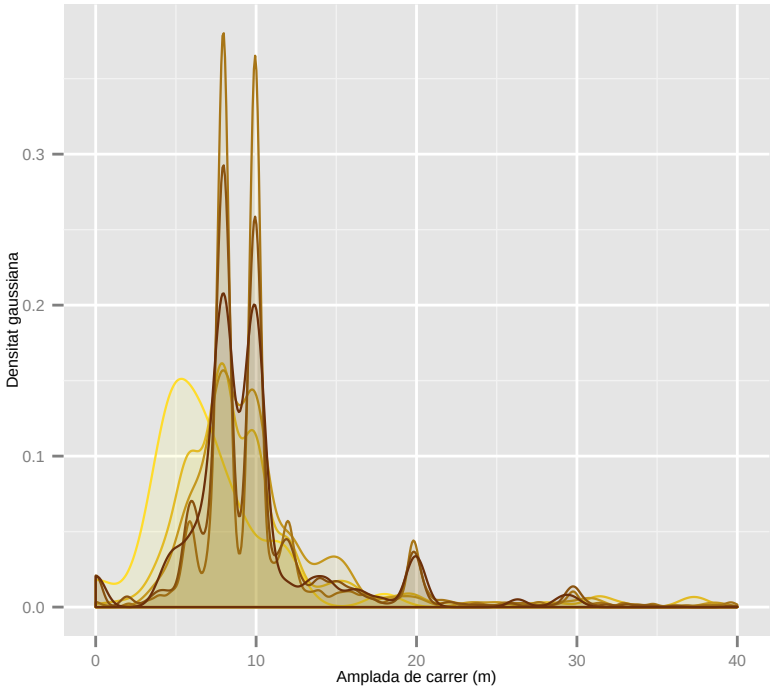
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

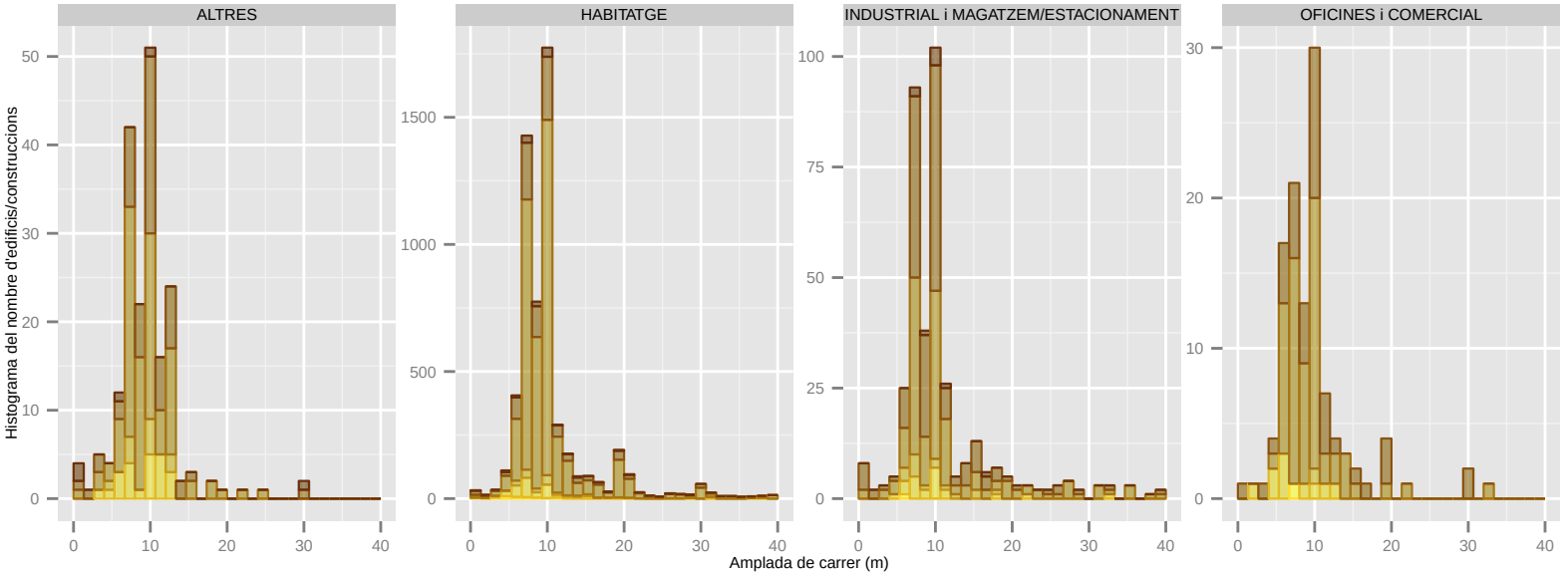
Amplada de carrer (m): SANTA COLOMA DE GRAMENET





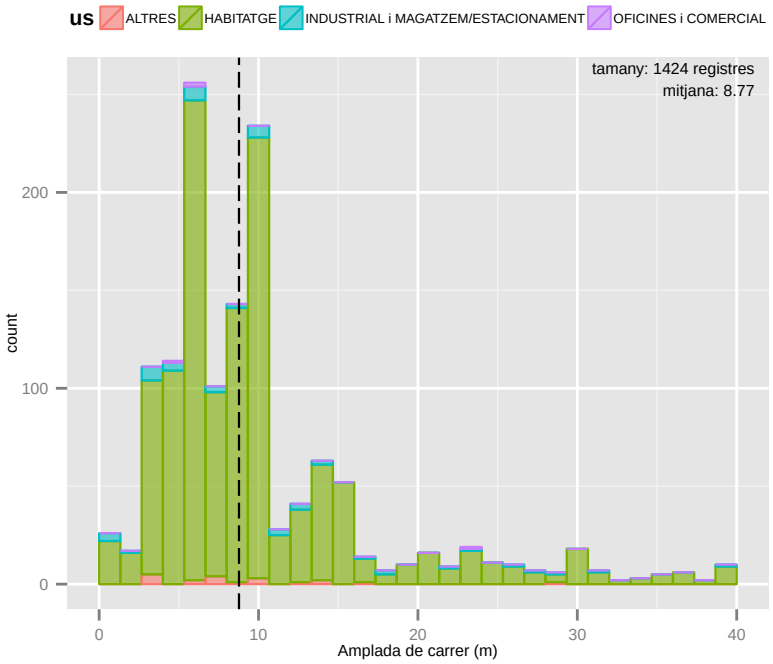


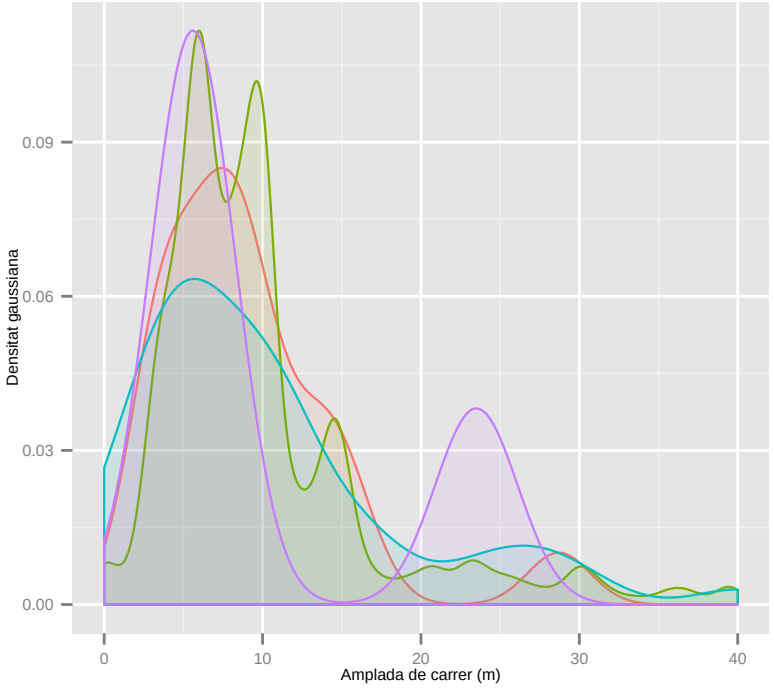


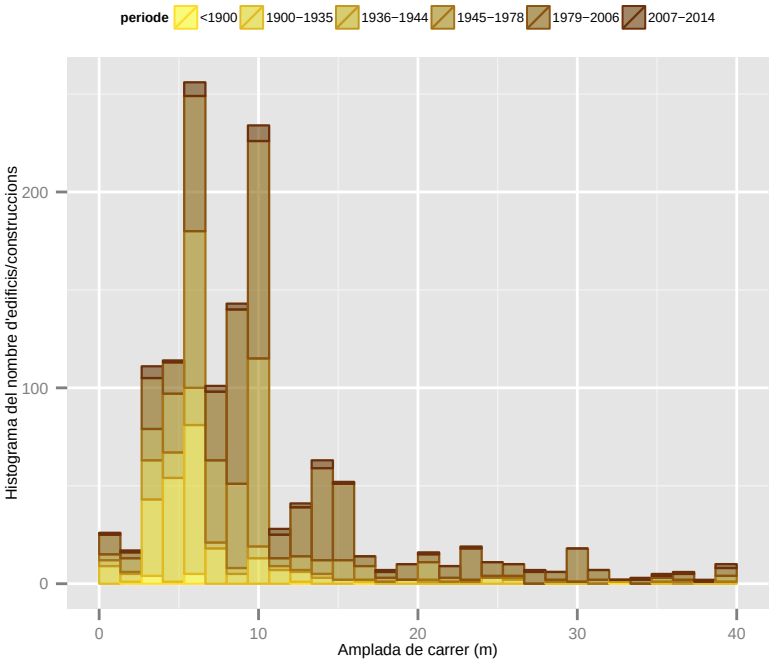


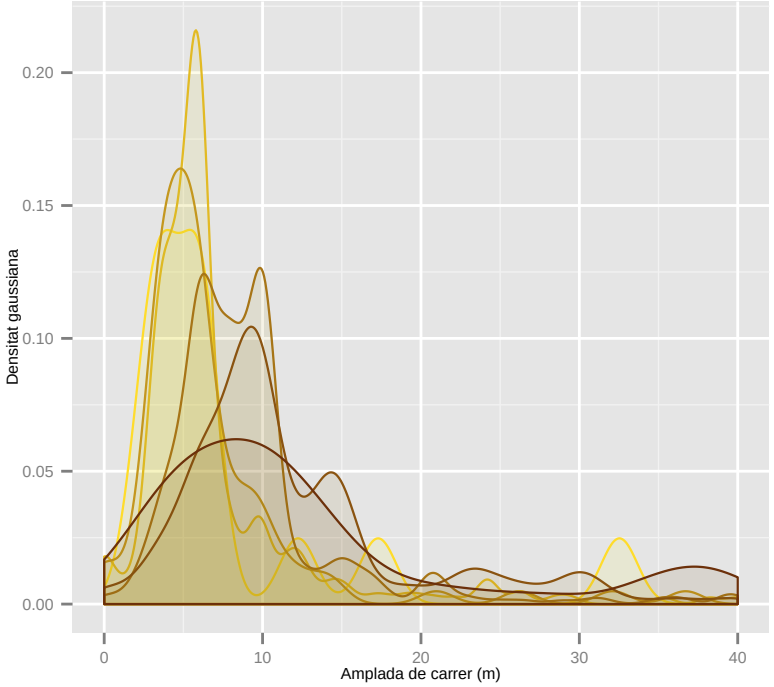
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

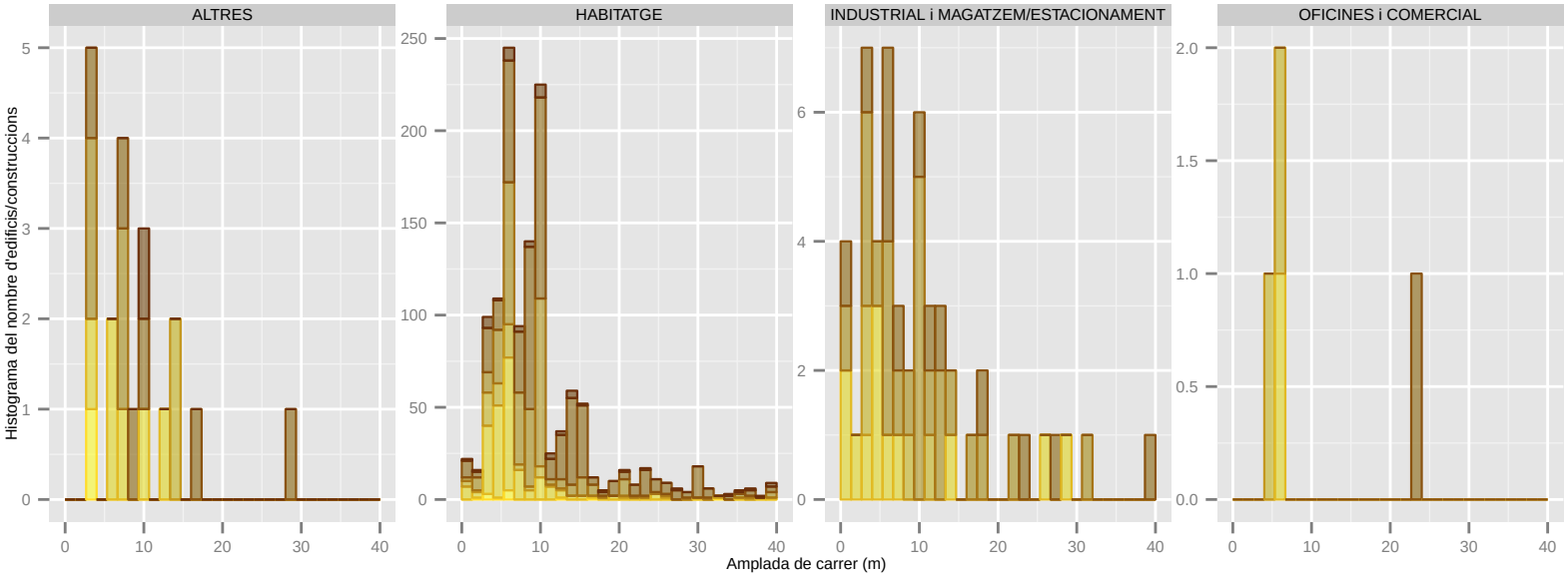
Amplada de carrer (m): TIANA





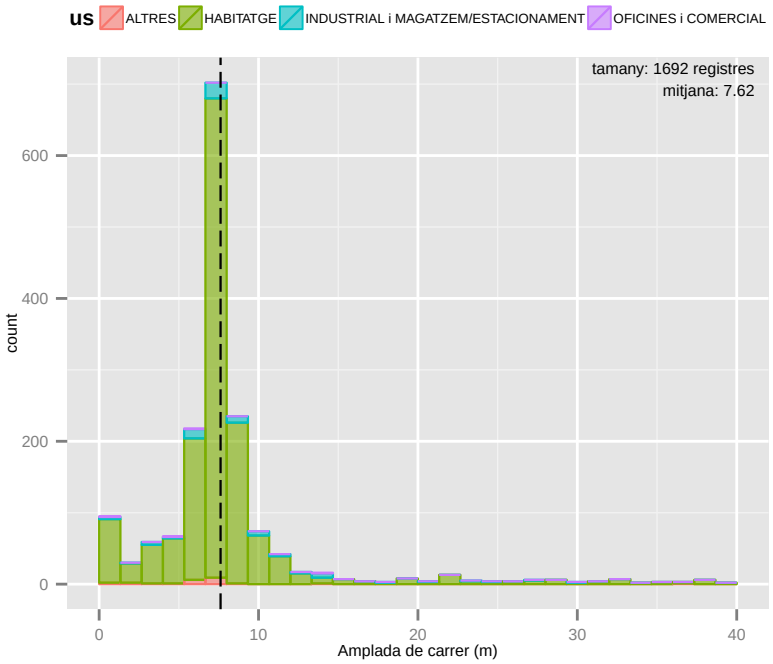


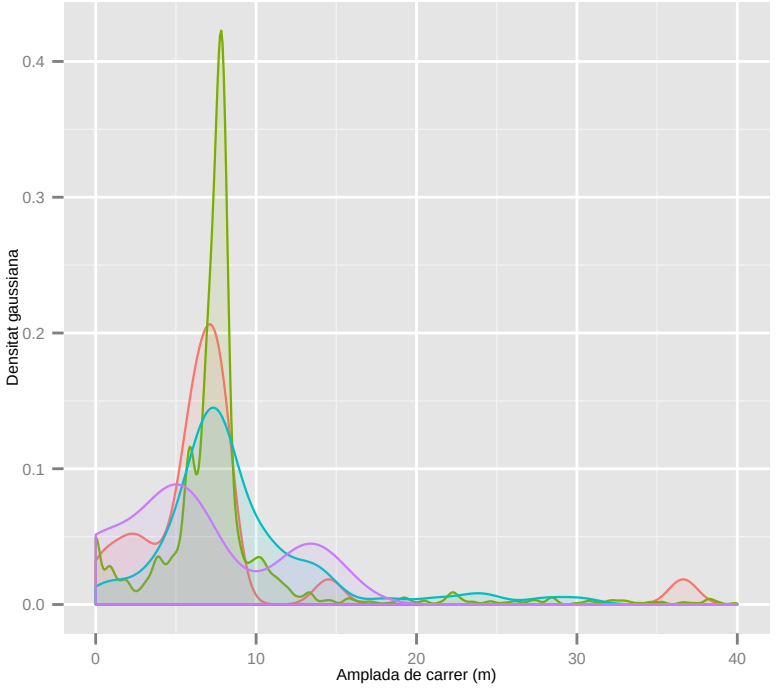


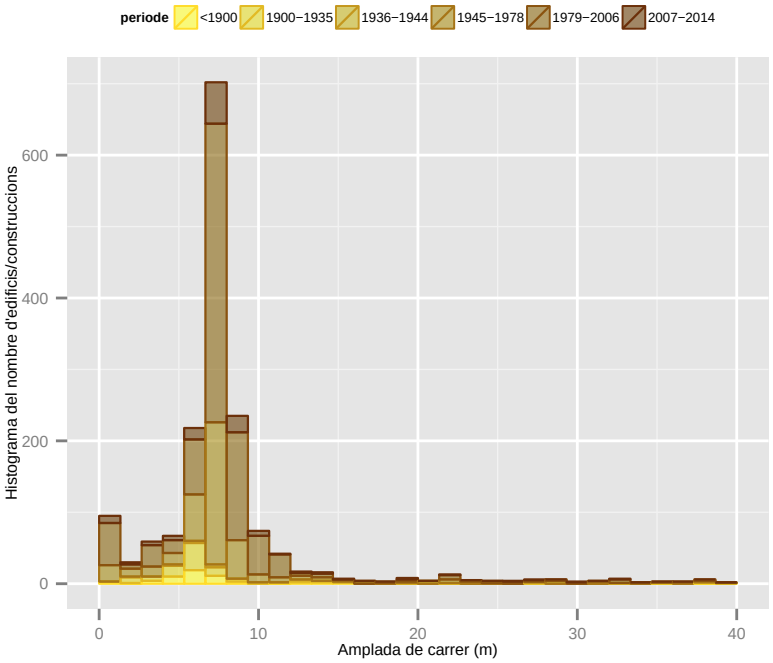


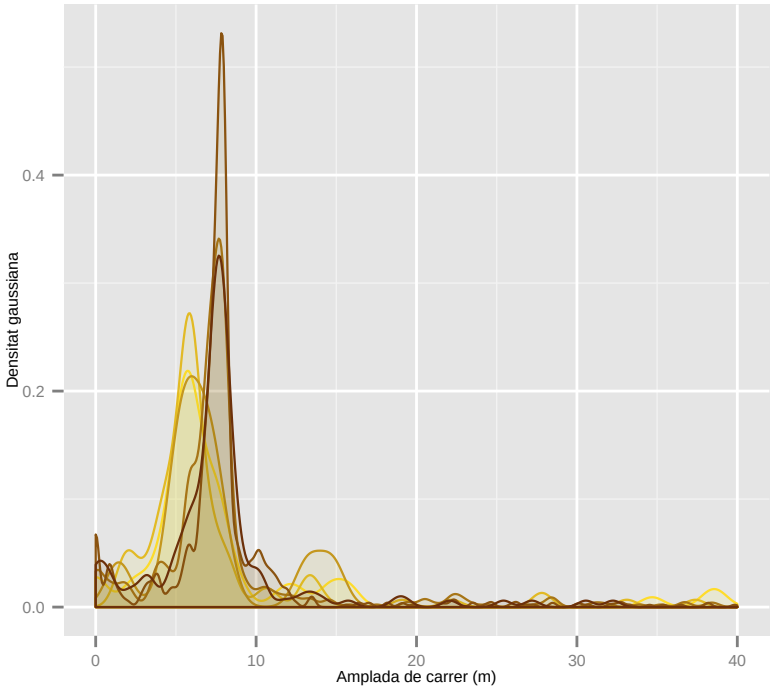
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

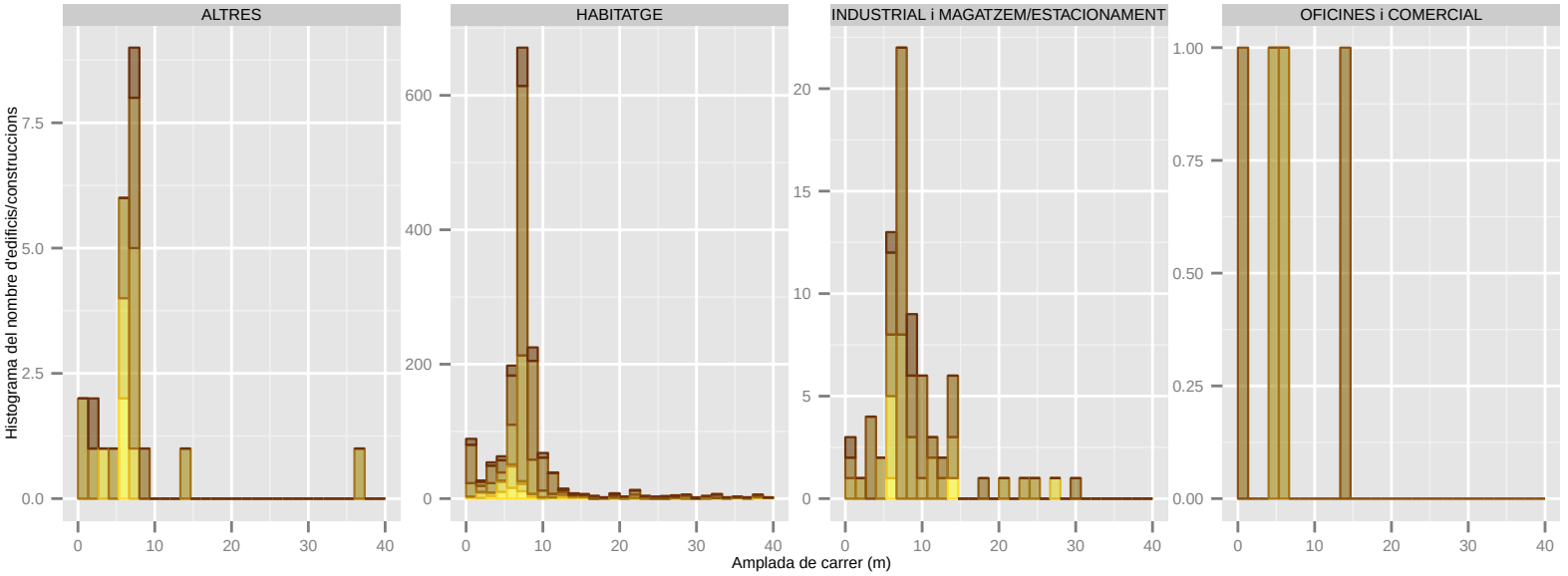
Amplada de carrer (m): TORRELLES DE LLOBREGAT





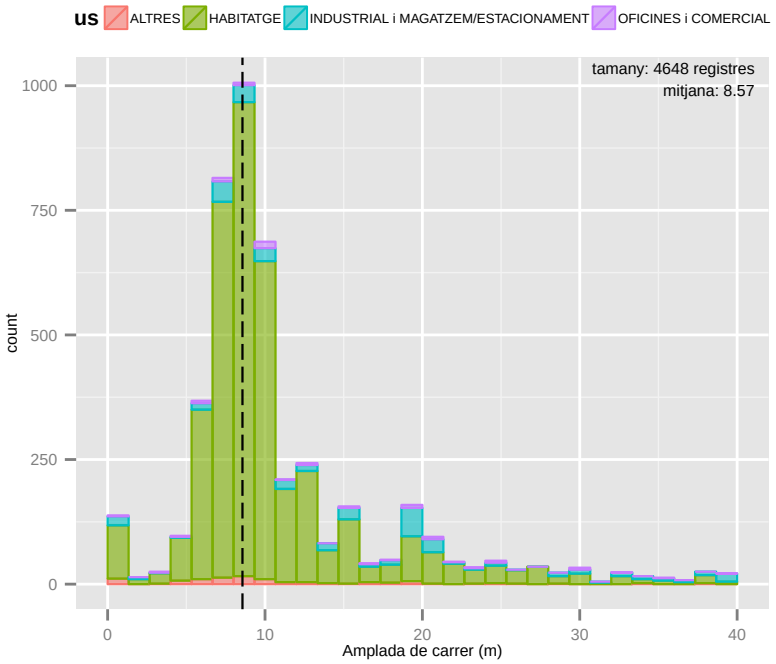


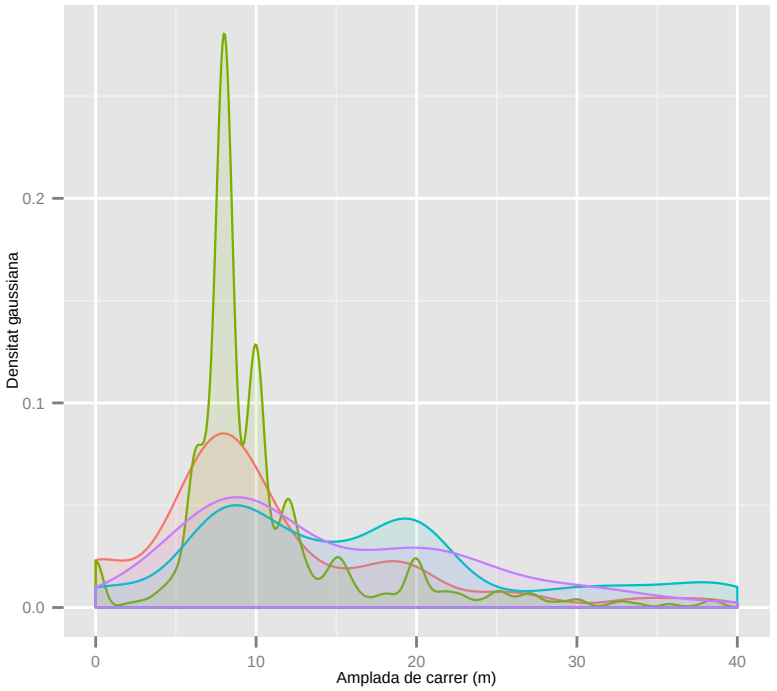


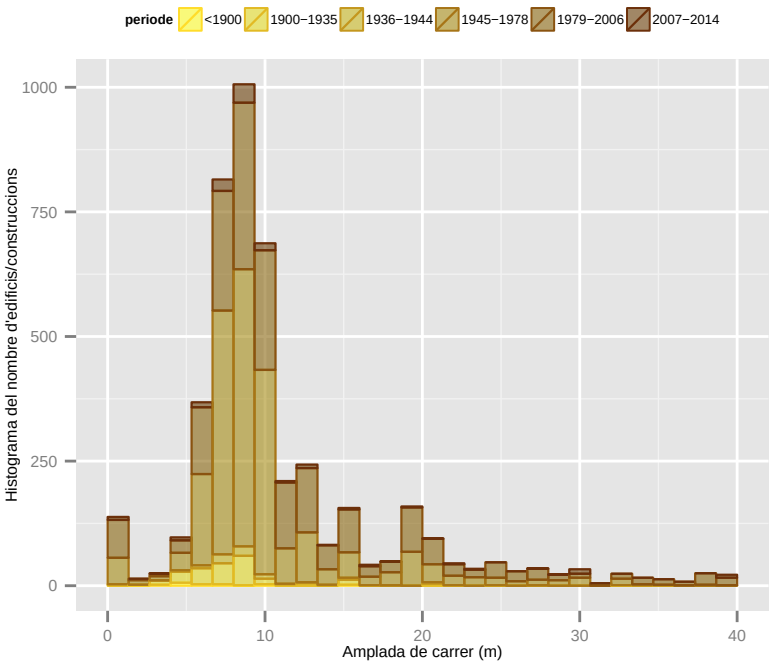


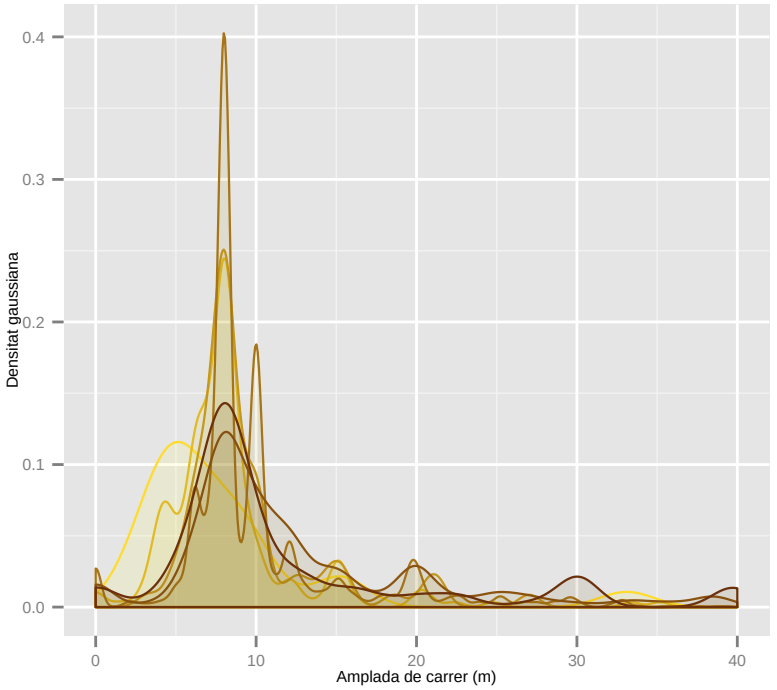
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

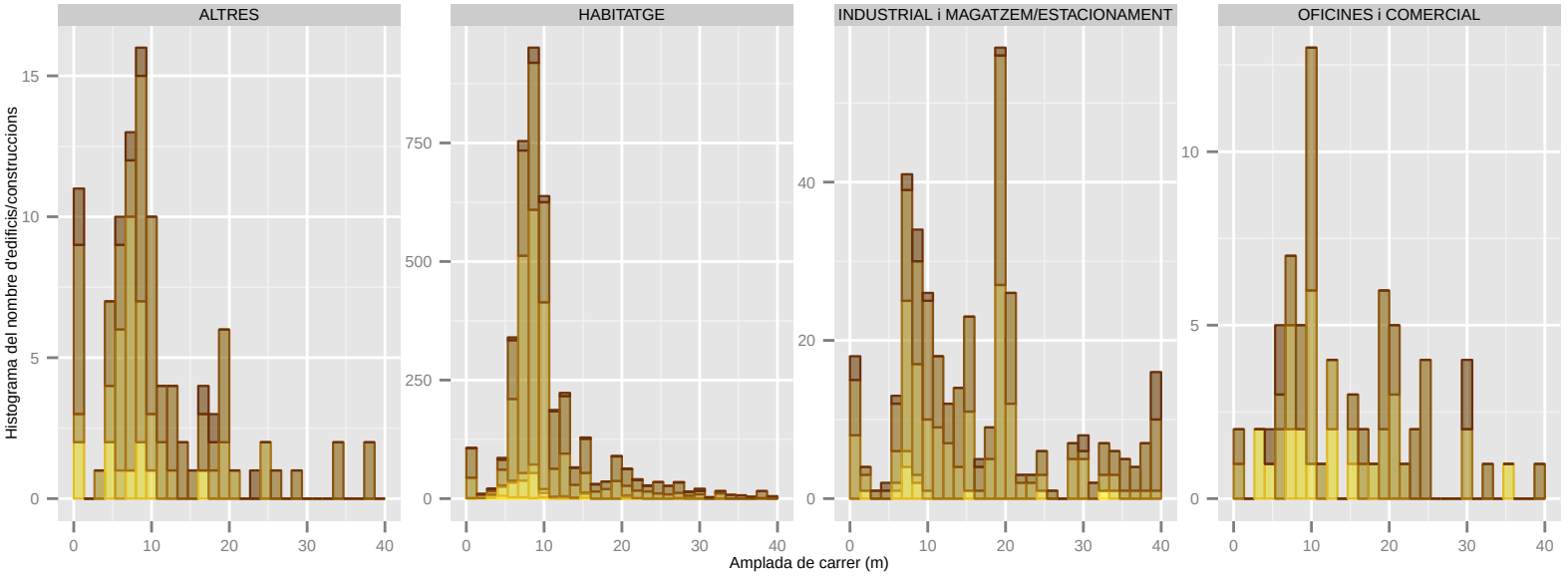
Amplada de carrer (m): VILADECANS









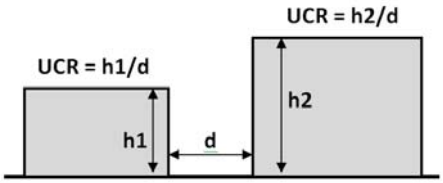


Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

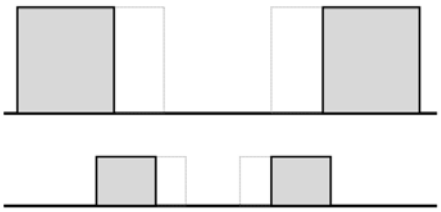
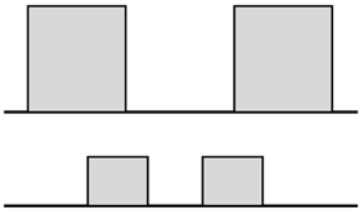
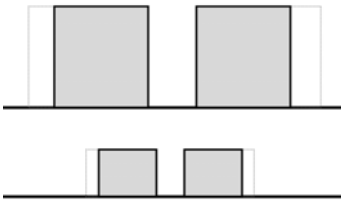
11. UCR [URBAN CANYON STREET RATIO]

El UCR o Urban Canyon Ratio és un indicador que mostra la relació entre l'alçada dels edificis i l'amplada de carrer. Si la relació és igual a 1, aleshores es parla de un *Regular Canyon* (alçada igual a amplada). Si és menor o igual que 0,5 parlaríem de avingudes, mentre que si el UCR és major o igual a 2 tindríem un eixit urbà amb carrers estrets.

Taula 7: Fórmula aplicada i exemples gràfics

	**URBAN CANYON STREET RATIO** $UCR = \frac{h}{d} = \frac{alçada\ edifici\ [m]}{distància\ entre\ façanes\ [m]}$

FONT: Barcelona Regional

UCR ≤ 0,5	Avingudes	
UCR = 1	*Regular canyon*	
UCR ≥ 2	Carrers estrets	

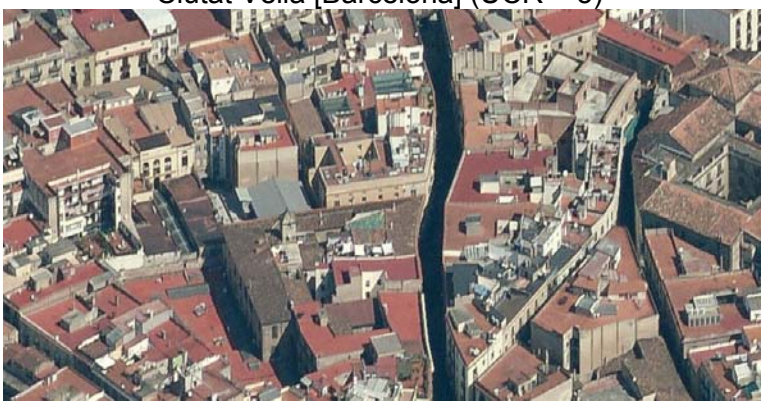
FONT: Barcelona Regional

Fent la mitjana dels edificis dels municipis de l'AMB s'obté un UCR de 0,92. Analitzant les diferències de cadascun dels municipis s'observa com Barcelona, L'Hospitalet de Llobregat, Sant Climent de Llobregat i Santa Coloma de Gramanet tenen UCR majors que 1 però menors que 1,2. Són per tant els municipis que en mitjana tenen els carrers més estrets, molt comú en ciutats denses.

Per l'altre banda municipis com Badia del Vallès, Begues o Santa Coloma de Cervelló tenen UCR entre 0,5 i 0,6; en definitiva els més baixos de l'AMB.

Tot i les dades mitjanes dels municipis, mirant els histogrames de cadascun dels municipis es pot veure com Barcelona és el municipi que assoleix edificis amb major UCR (superant valors de 5). Aquests zones es poden identificar més clarament al mapa amb zones com Ciutat Vella o Gràcia al capdavant.

Taula 8: Exemples

UCR ≤ 0,5	Avingudes	Begues (UCR = 0,56)
UCR = 1	*Regular canyon*	Sant Climent de Llobregat (UCR = 1,08)
UCR ≥ 2	Carrers estrets	Ciutat Vella [Barcelona] (UCR > 5) 

FONT: Imatges de Bing

Incidència en el consum d'energia:

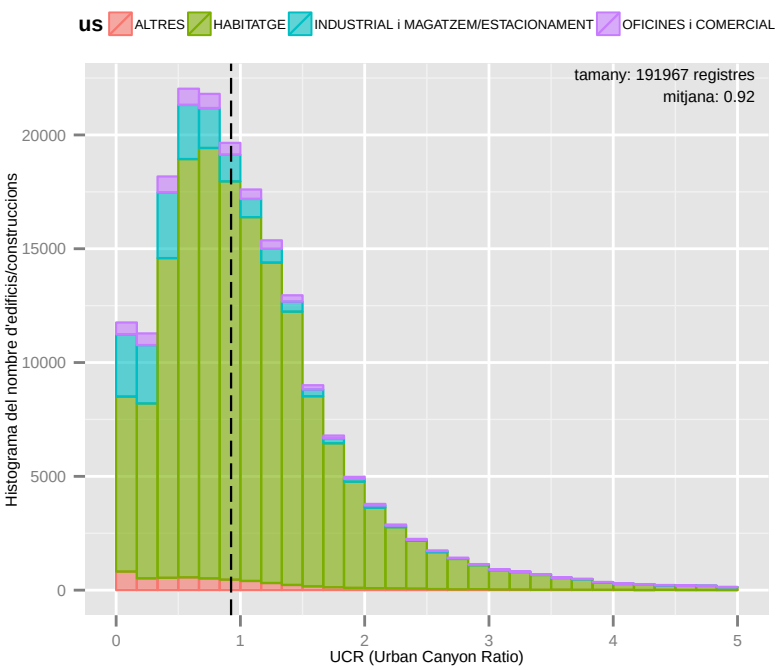
Per norma general a major UCR la façana dels edificis tindran un menor accés al sol (especialment les plantes baixes), i per tant major consum d'energia en calefacció i en il·luminació.

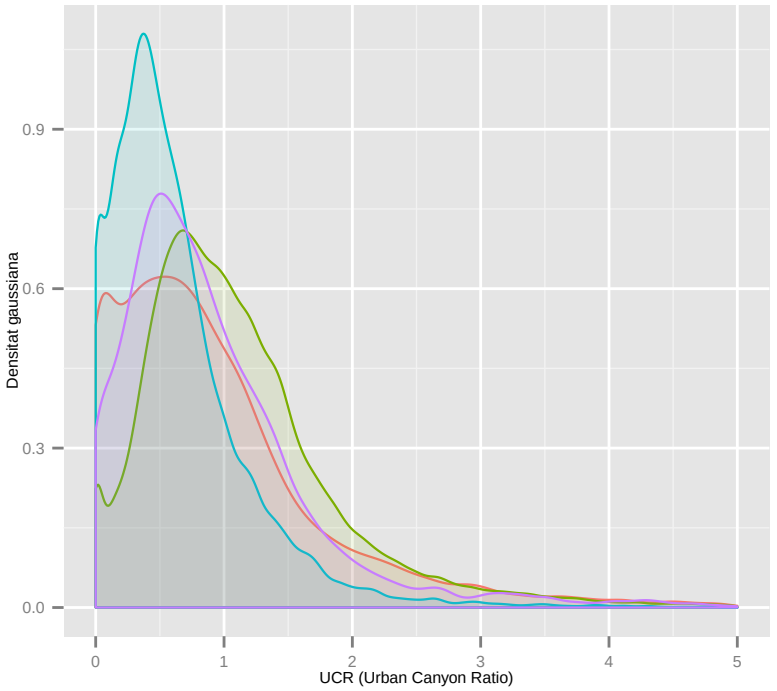
Tot i això un UCR molt baix també pot provocar un excès de radiació solar en façana que caldrà protegir per no incrementar el consum en refrigeració.

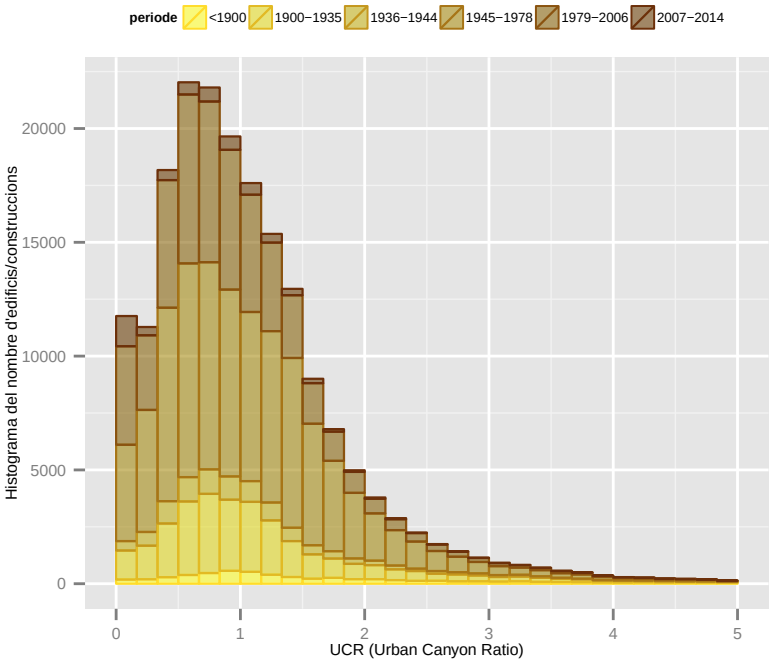
Per altre banda un alt UCR provocarà una menor circulació del vent pels carrers ja que hi ha menor permeabilitat del teixit urbà, això a més de dificultar la ventilació creuada de les vivendes també dificulta la dispersió de contaminants.

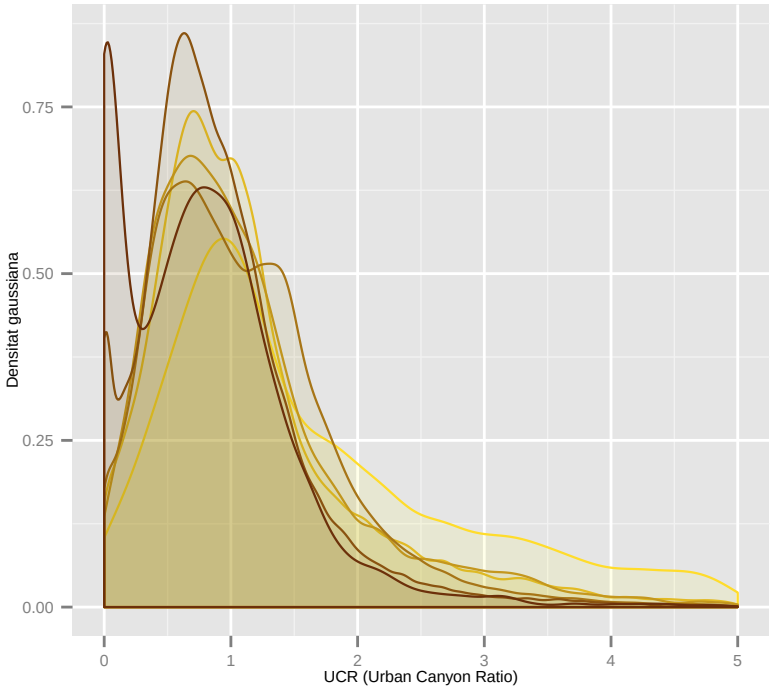
Cal dir que UCR alt pot semblar el més adequat des del punt de vista de l'edificació (major accés al sol i a la llum natural, major ventilació etc...) però també implica una major dispersió de la trama urbana, i per tant municipis menys densos que fan consumir més energia en transport i serveis tal com s'ha comentat en indicadors anteriors. A més UCR alts tenen una ocupació del sòl molt més gran, i cal tenir present que el sòl, igual que l'energia, és un bé escàs. Per tant trobar un UCR mig que estigui en equilibri amb altres indicadors sembla el més adequat des del punt de vista energètic.

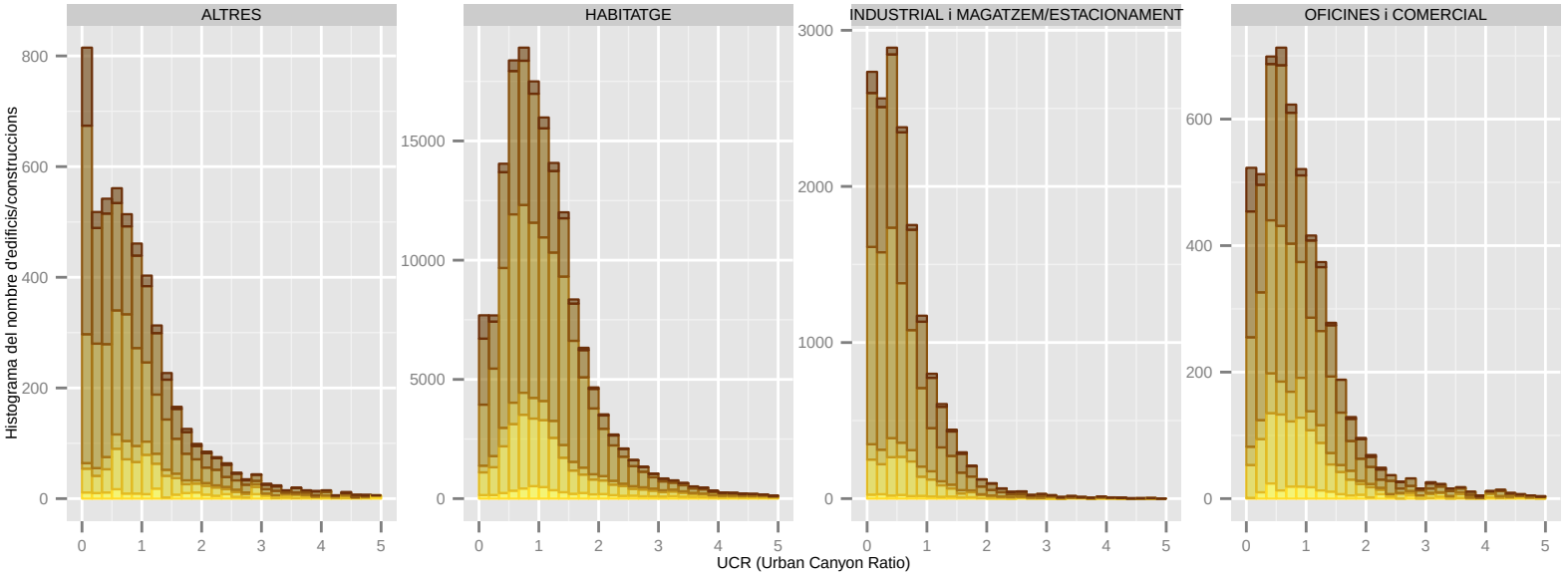
UCR (Urban Canyon Ratio): AMB





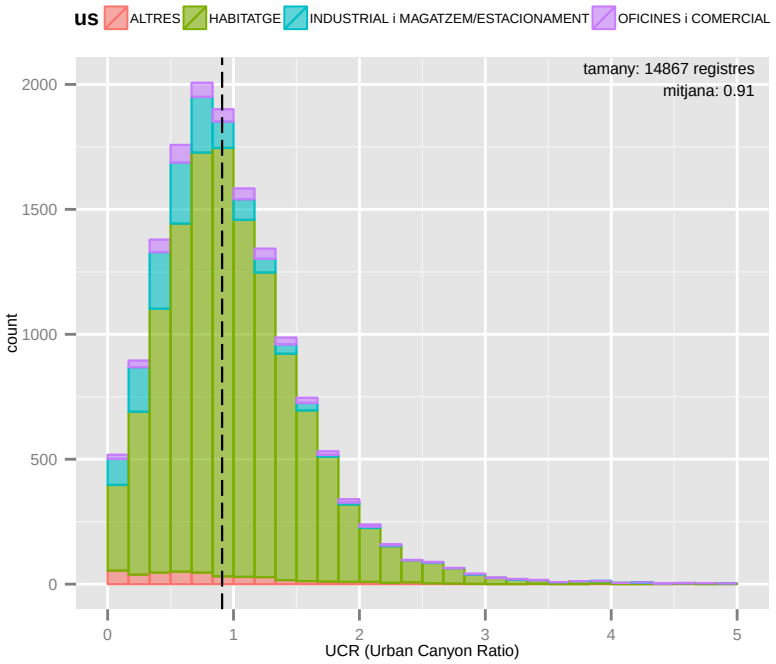


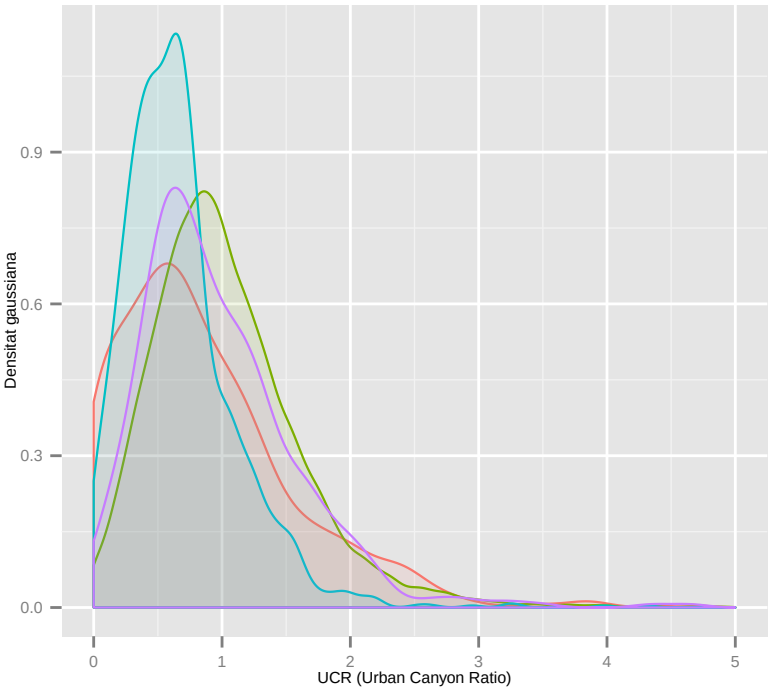


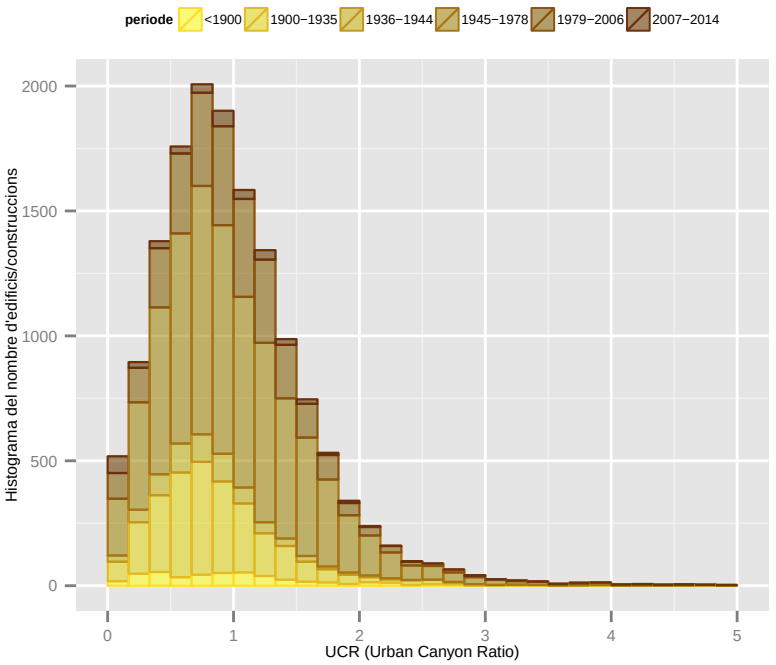


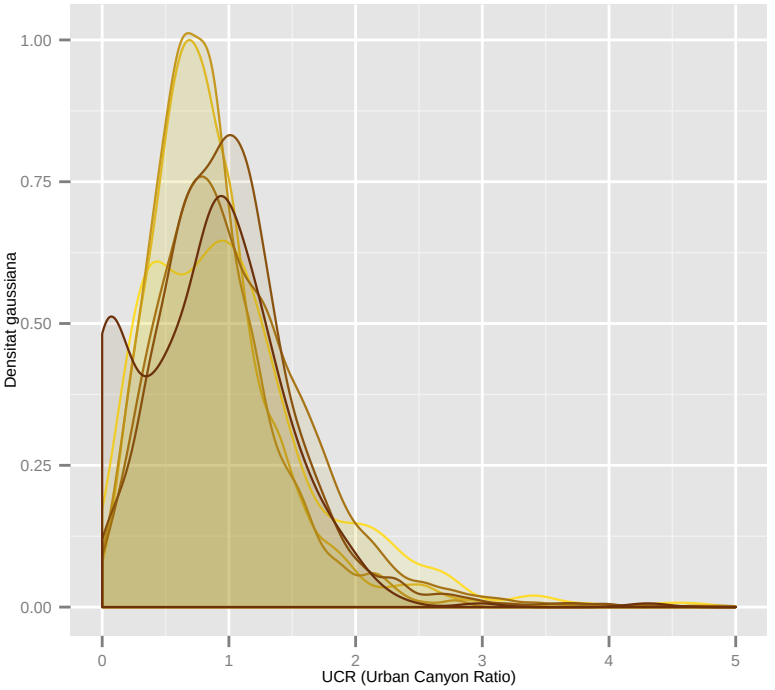
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

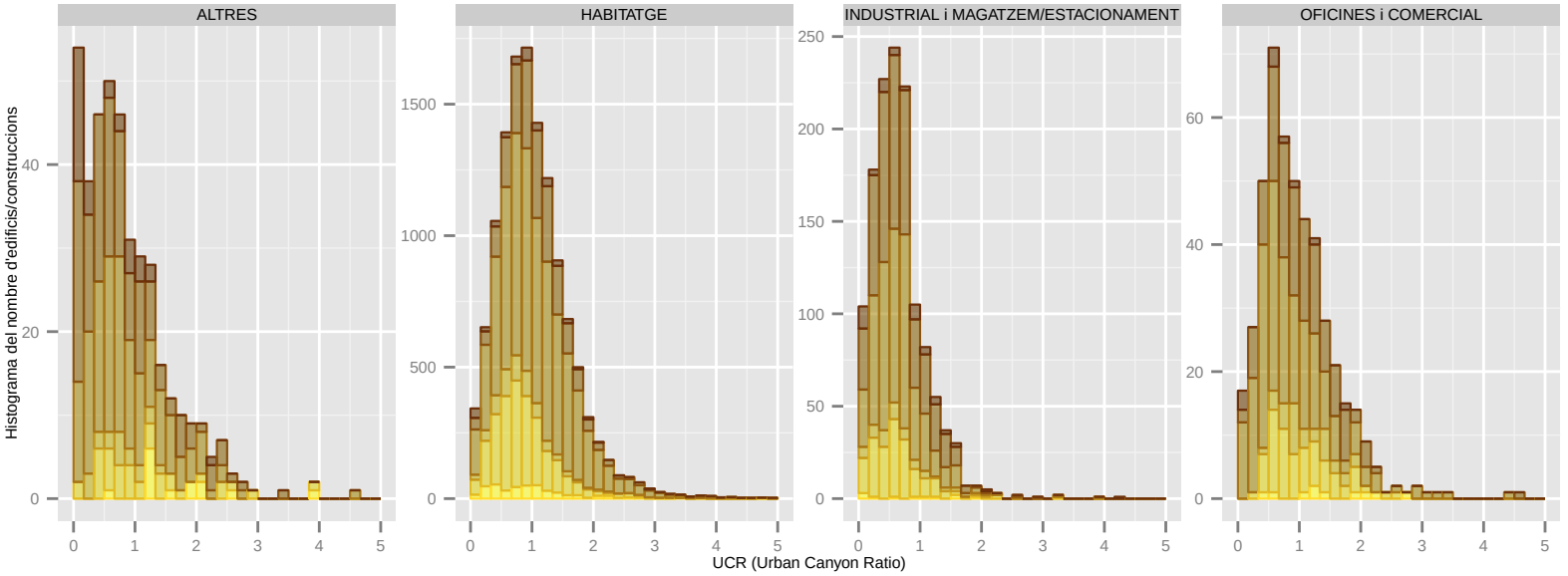
UCR (Urban Canyon Ratio): BADALONA











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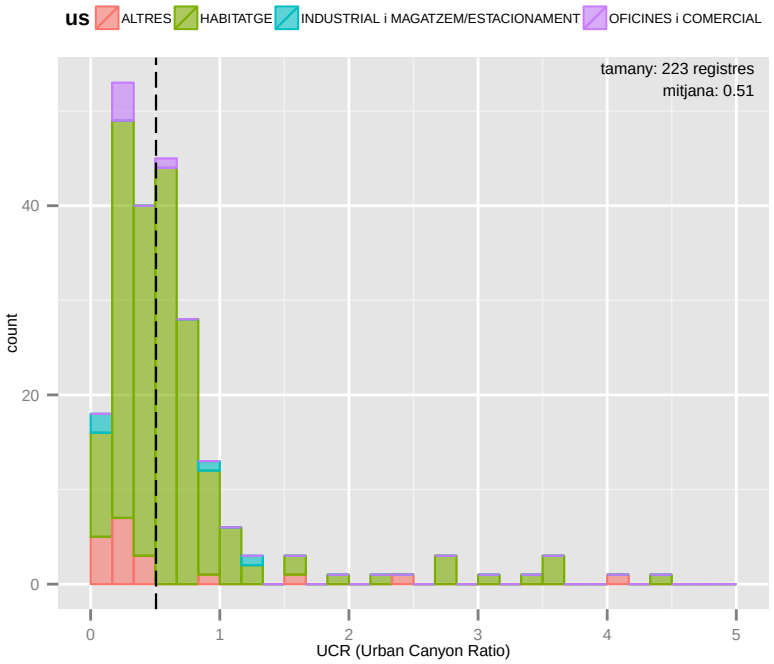
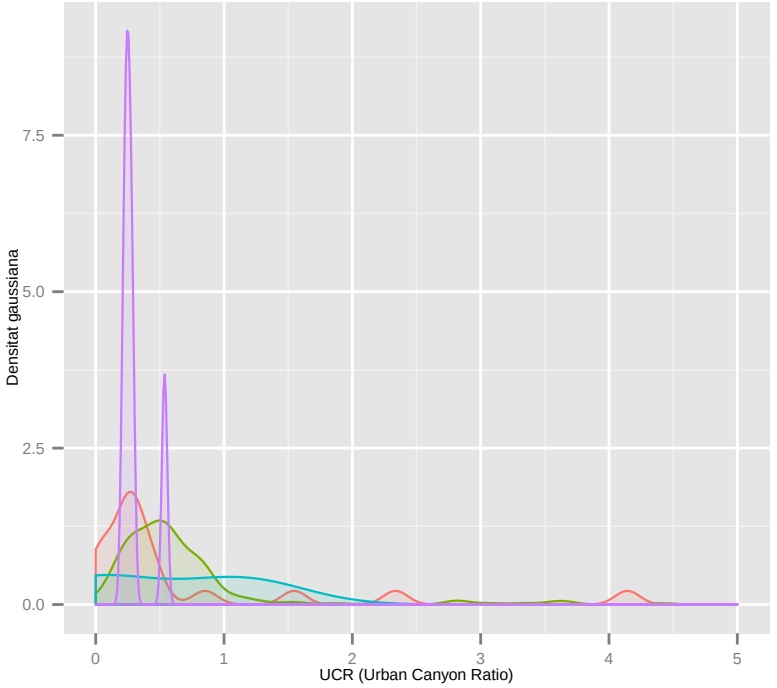
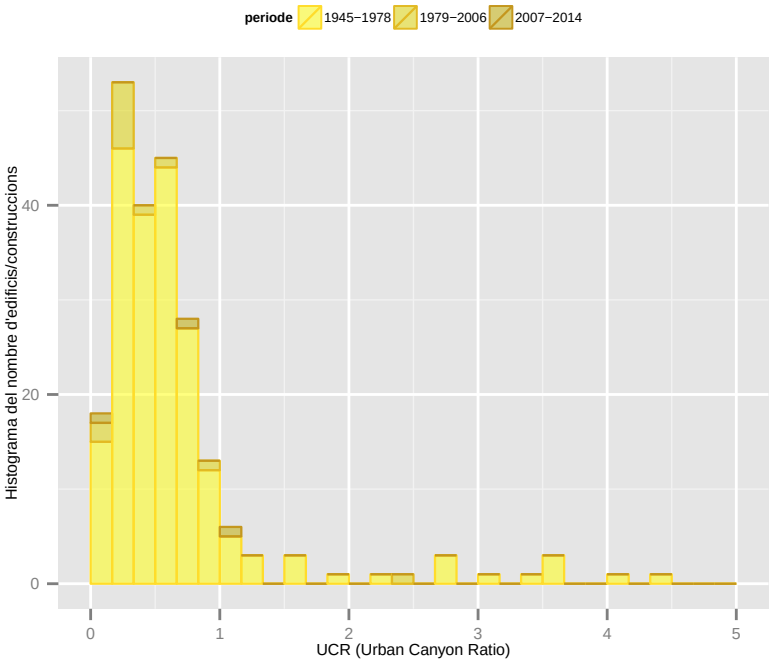
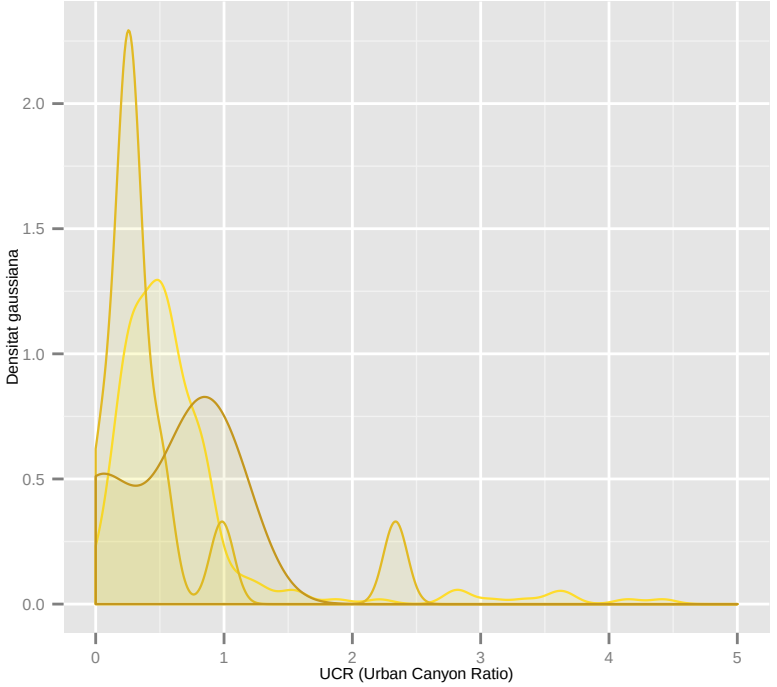
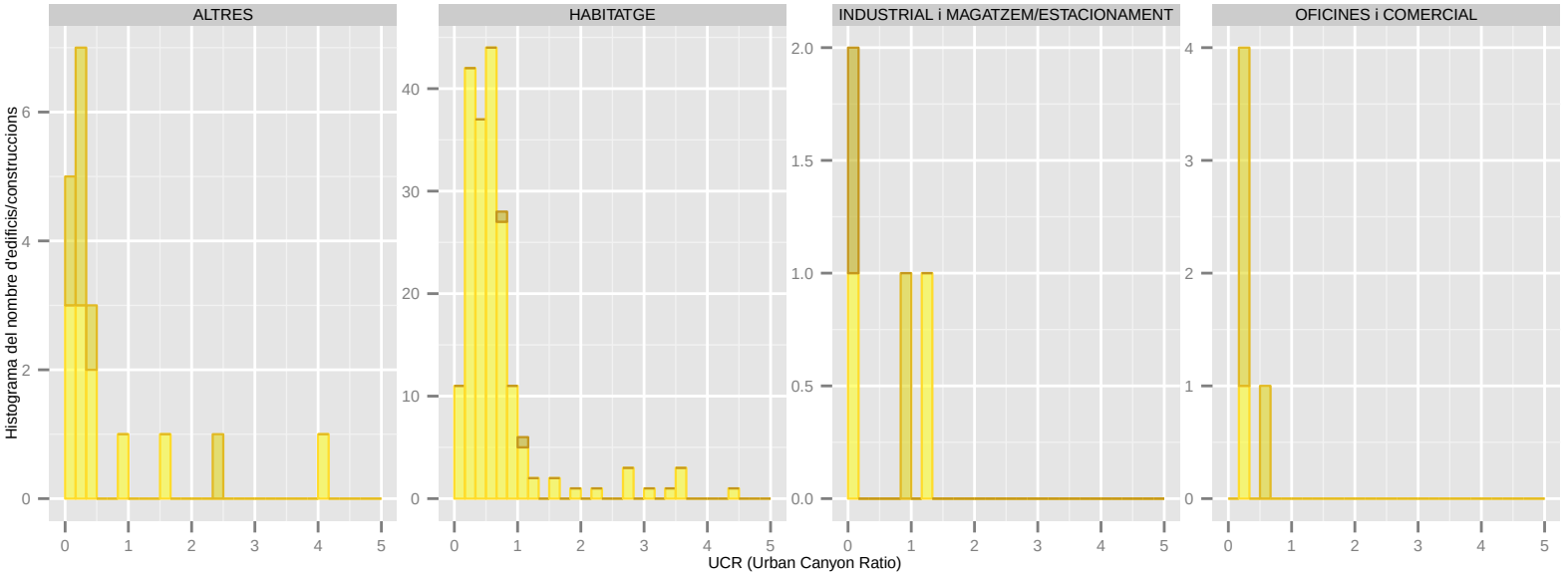
UCR (Urban Canyon Ratio): BADIA DEL VALLES





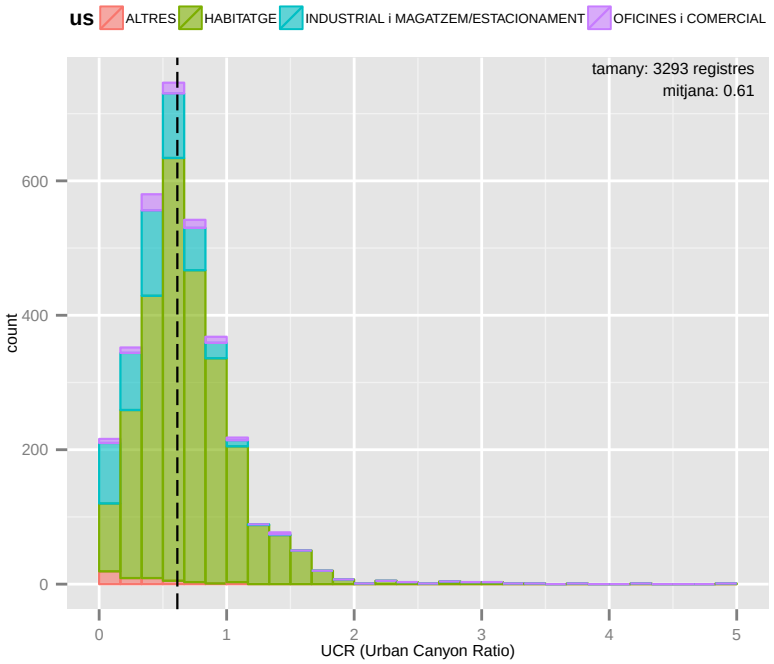


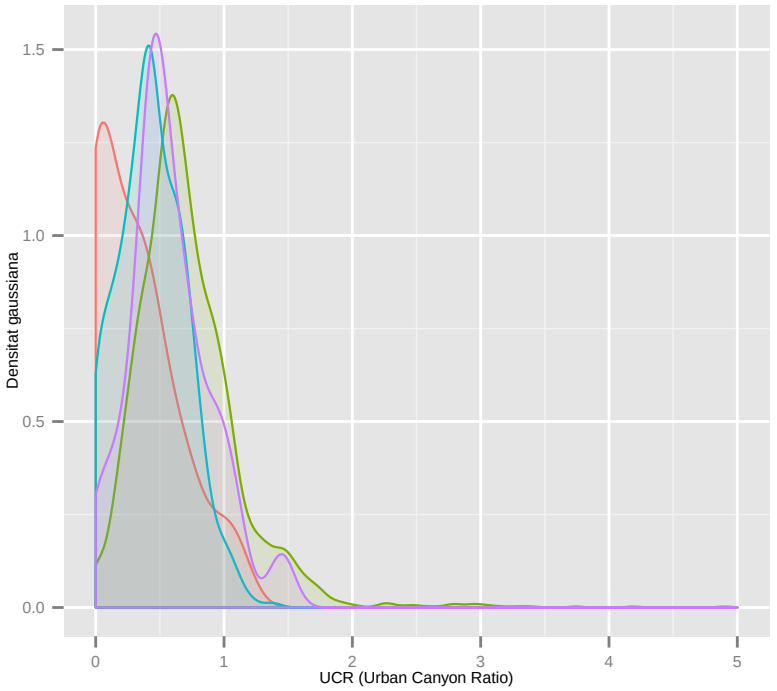


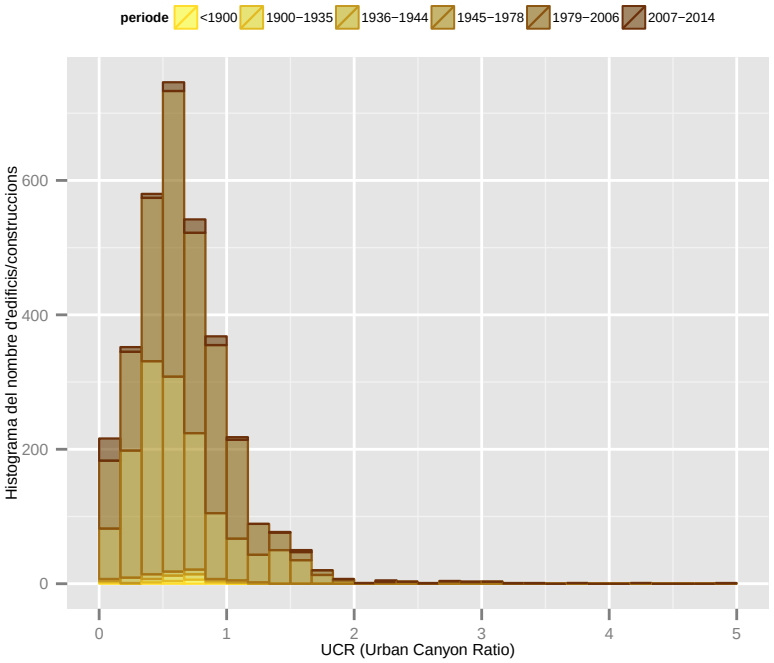


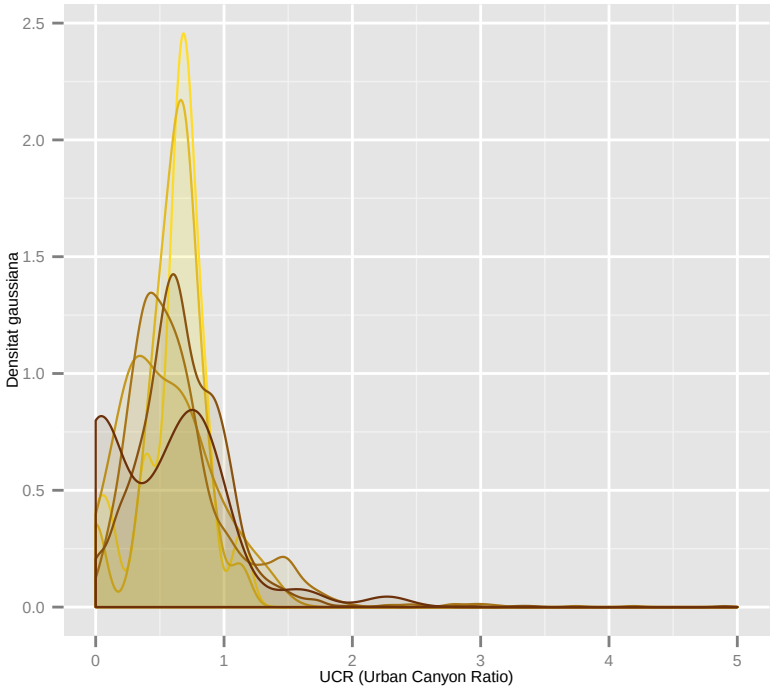
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

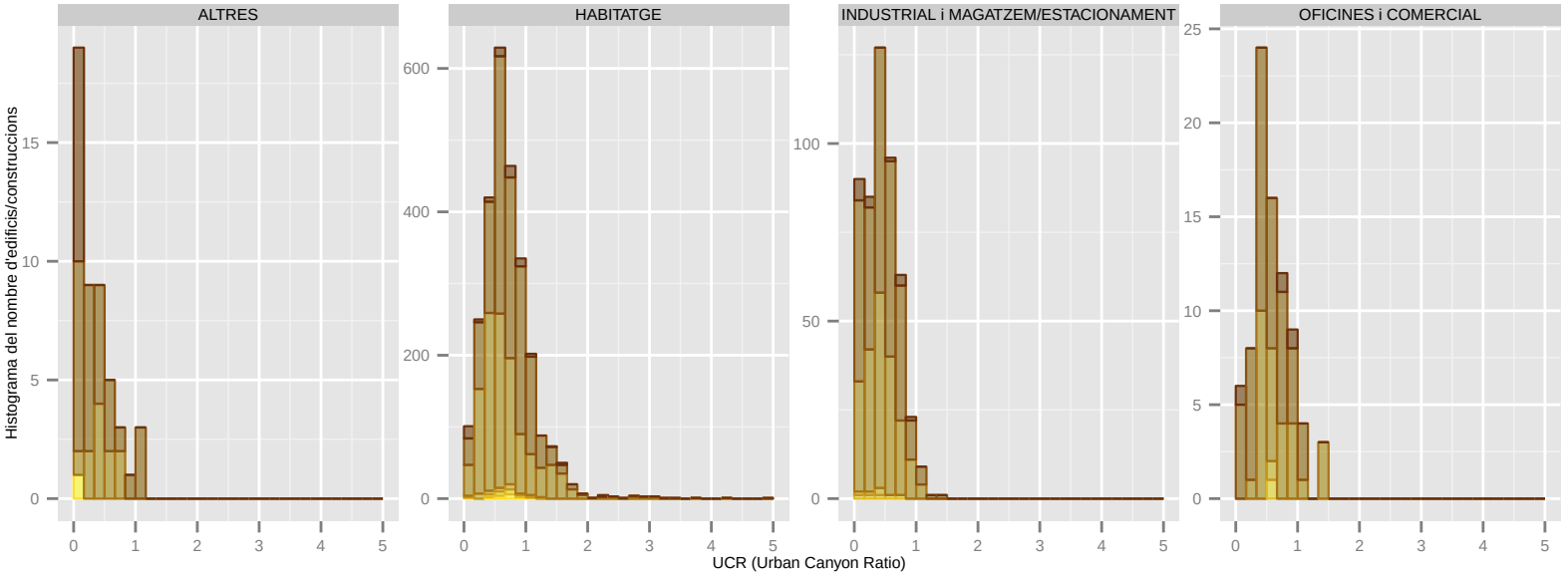
UCR (Urban Canyon Ratio): BARBERA DEL VALLES





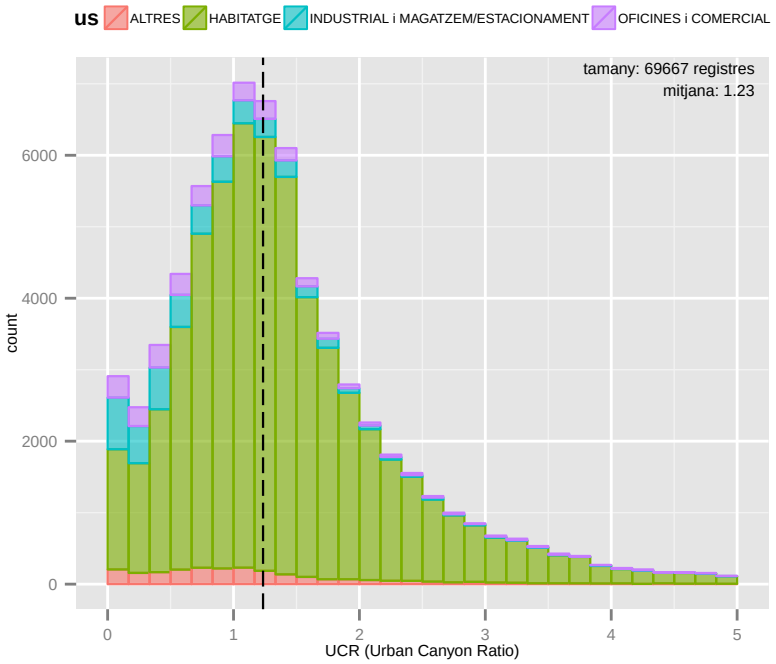


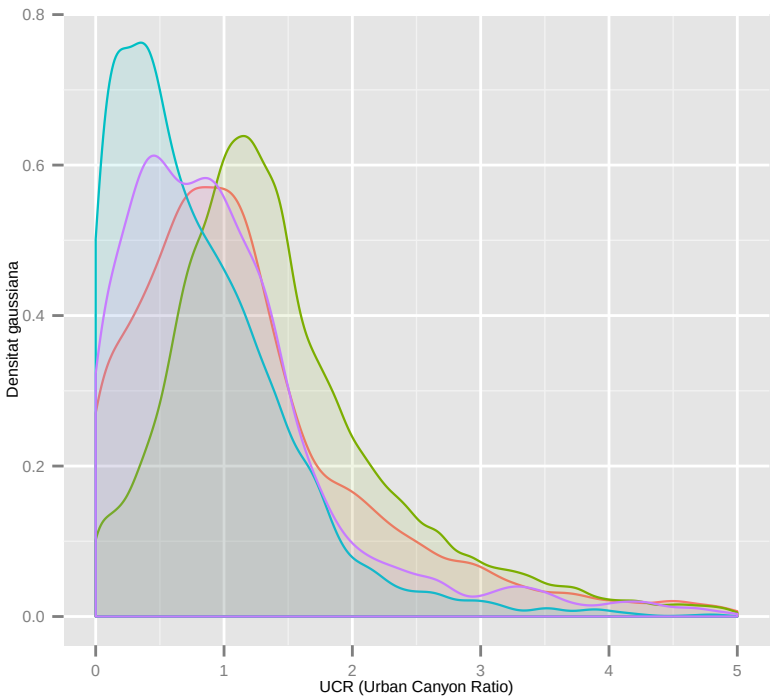


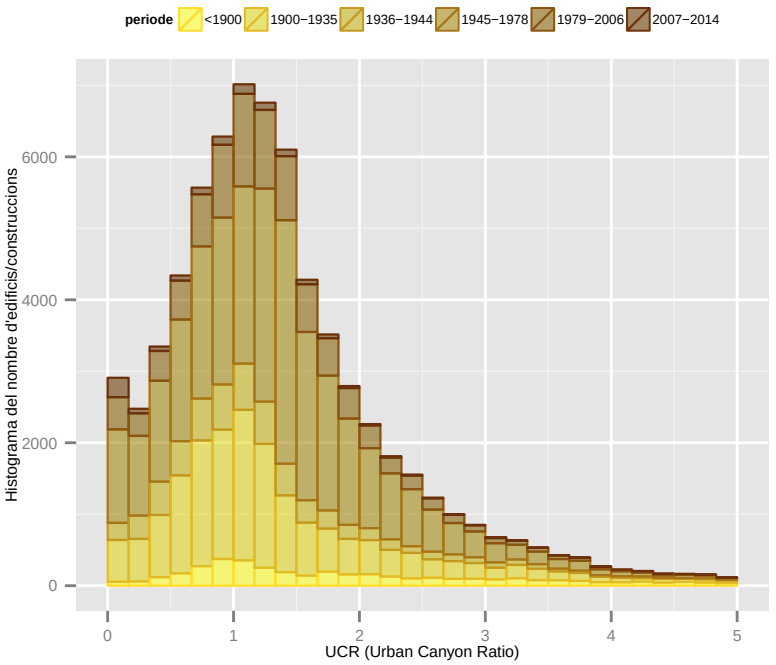


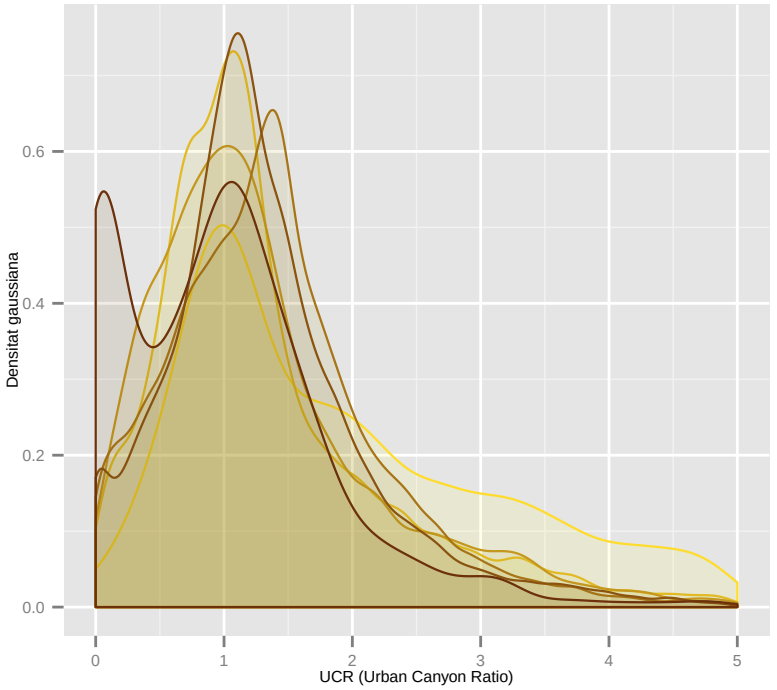
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

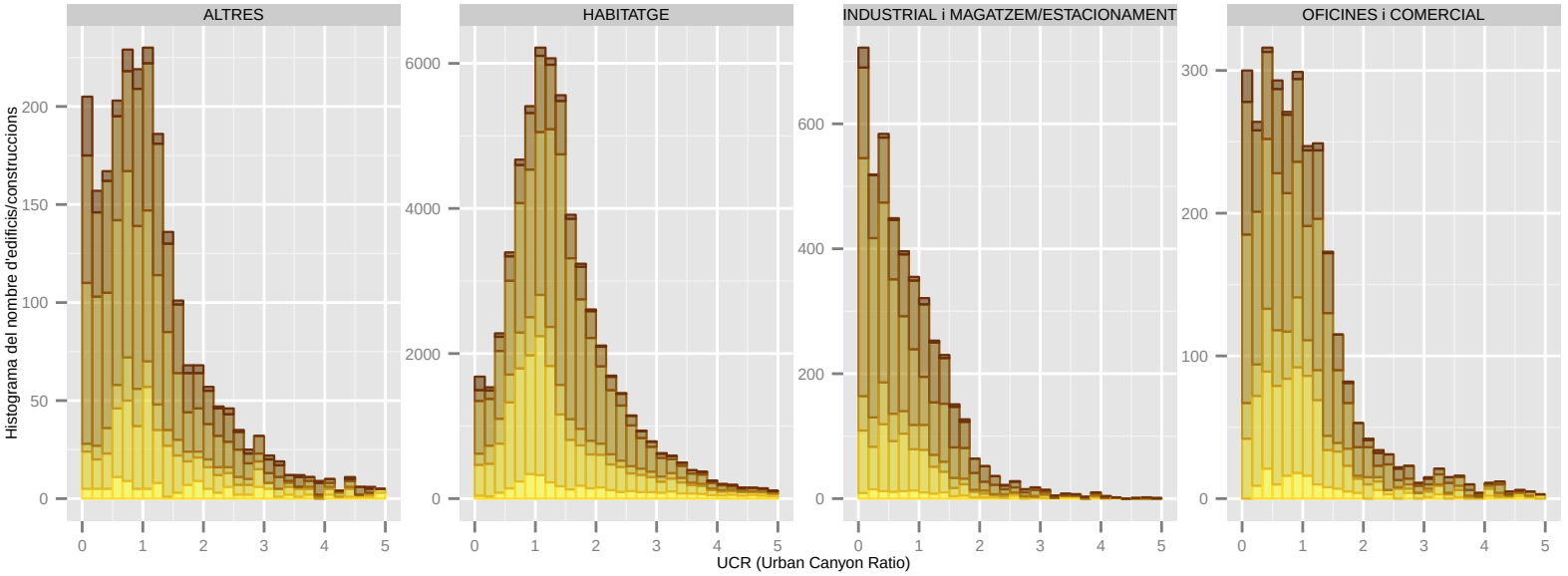
UCR (Urban Canyon Ratio): BARCELONA





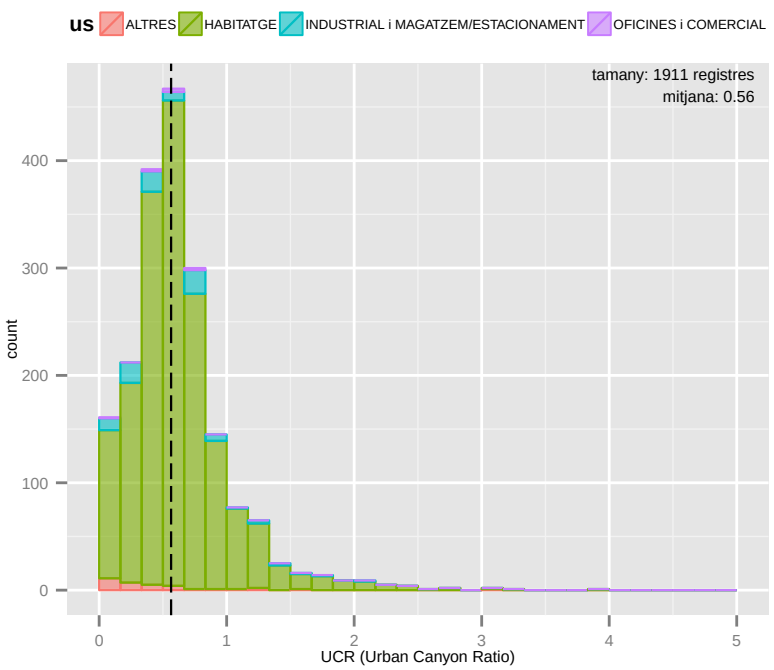


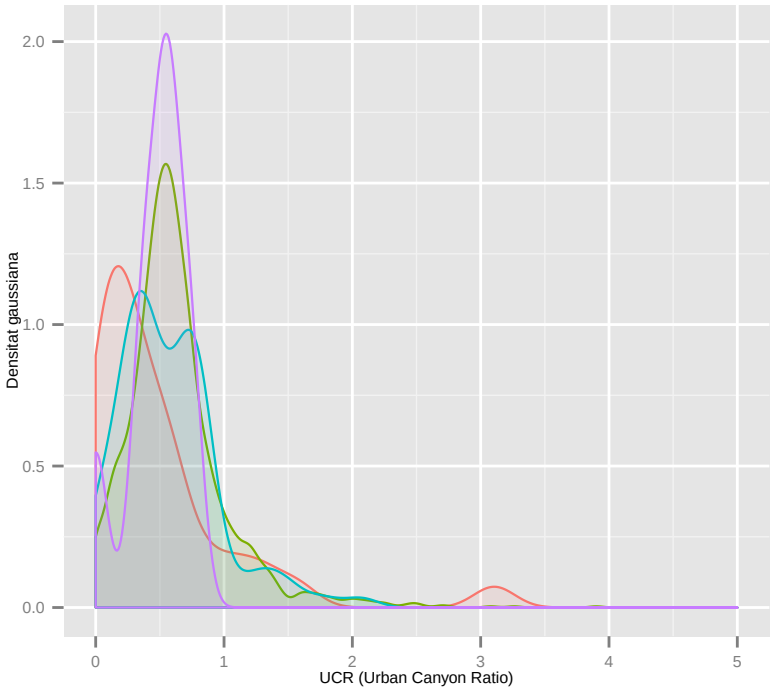


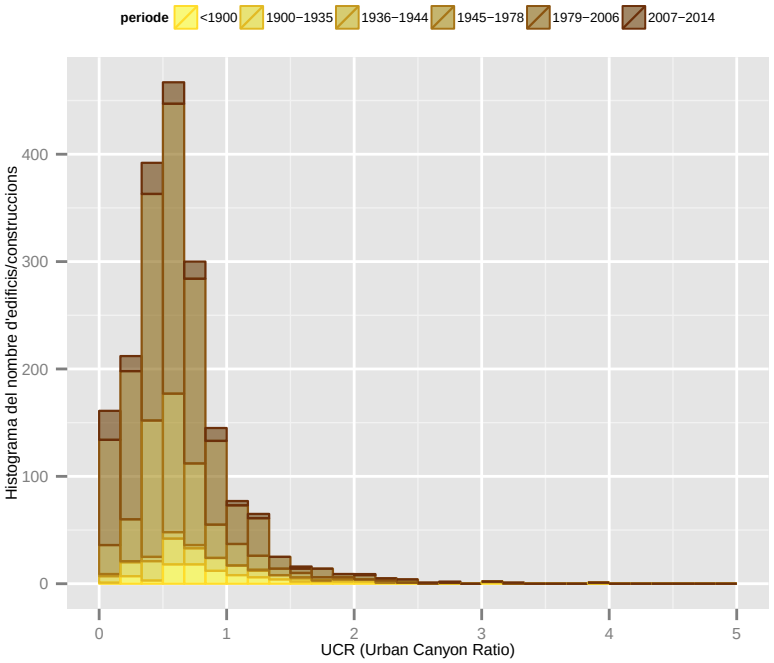


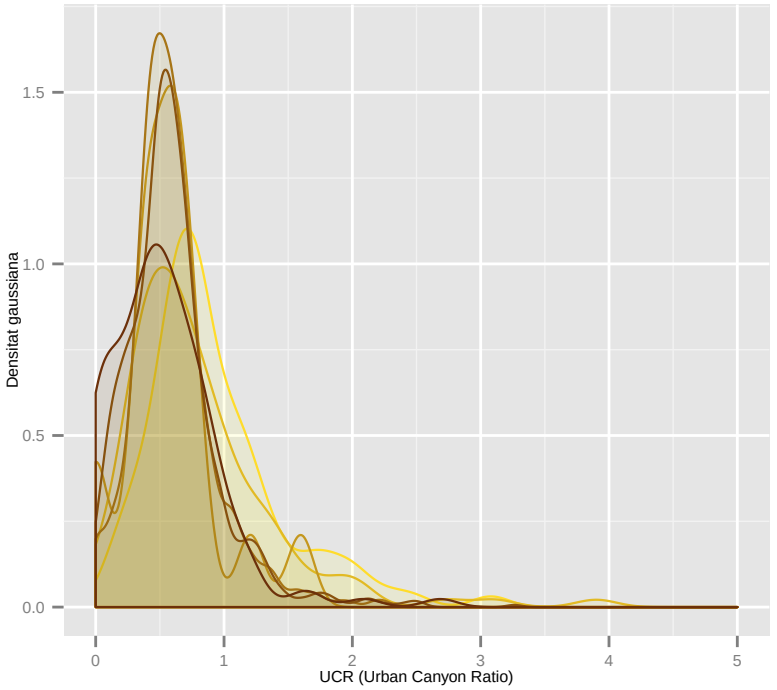
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

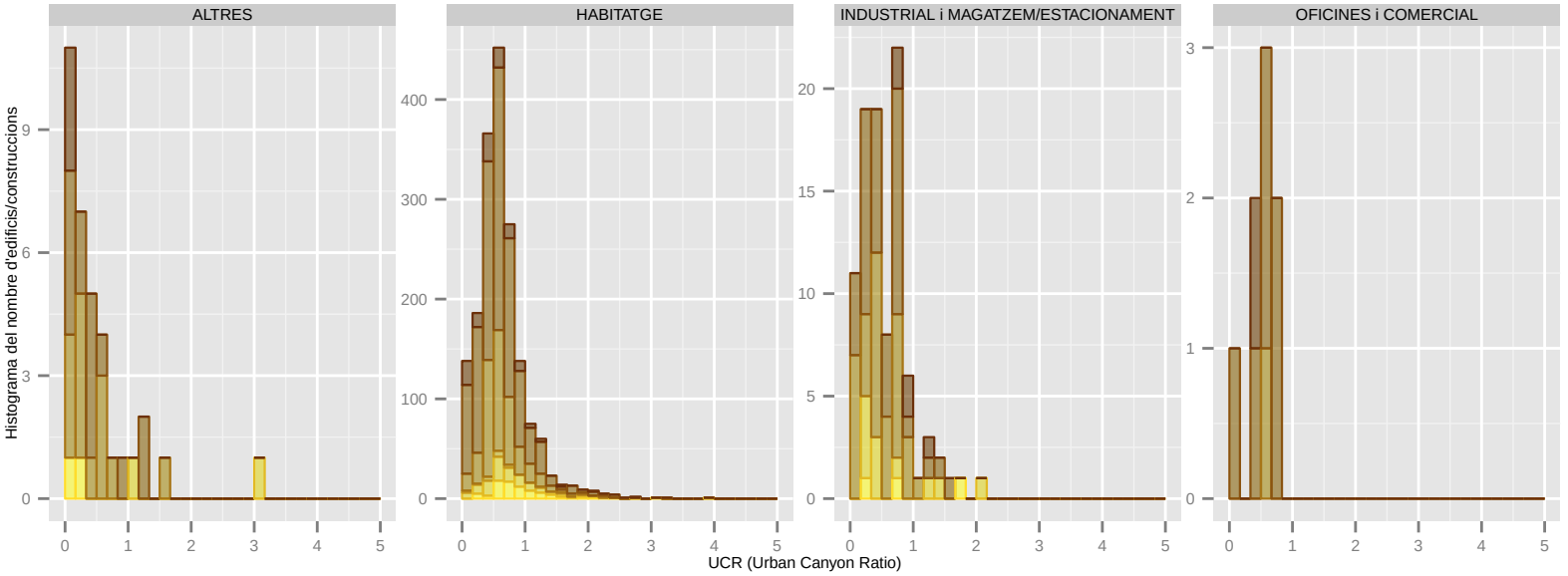
UCR (Urban Canyon Ratio): BEGUES





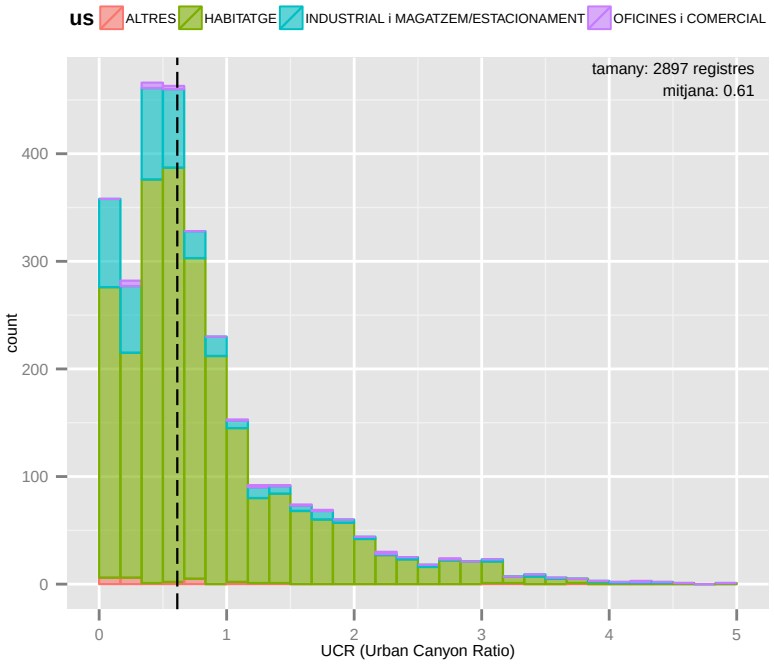


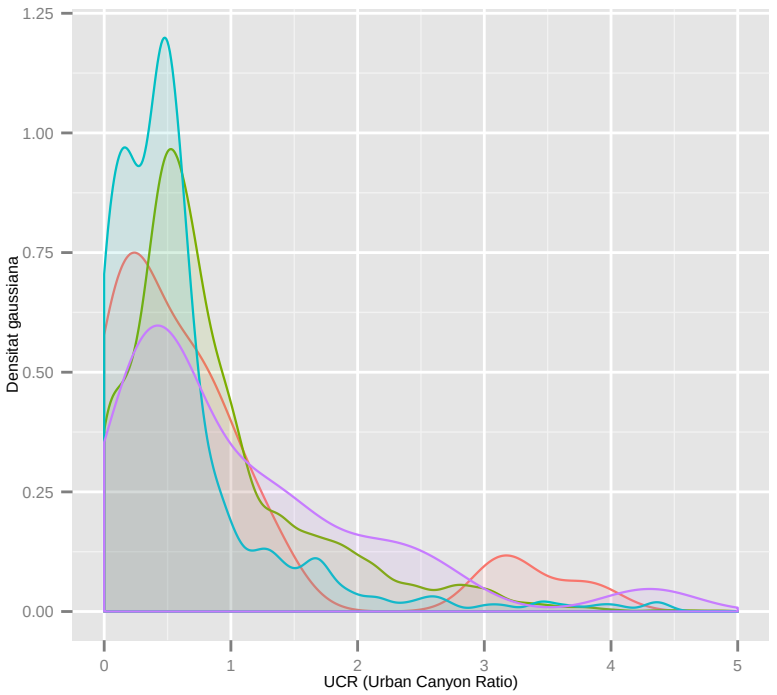


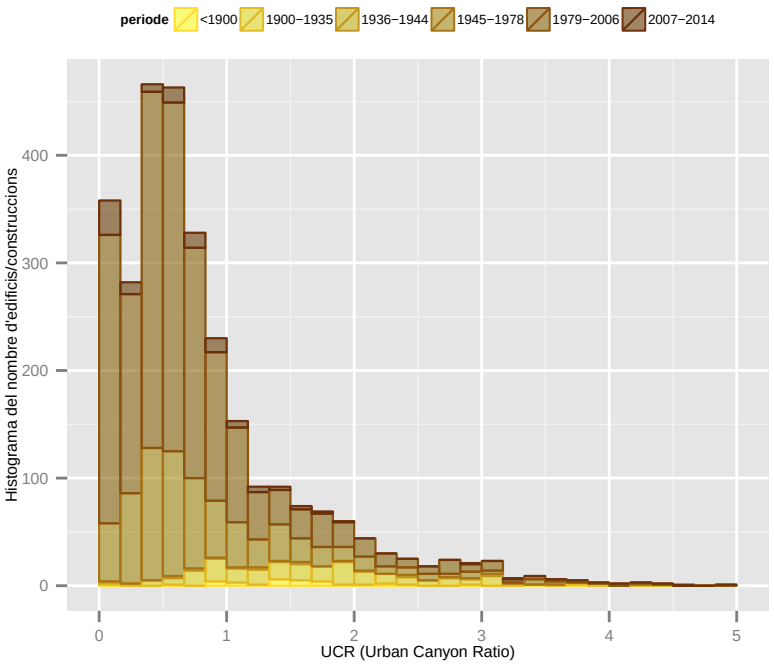


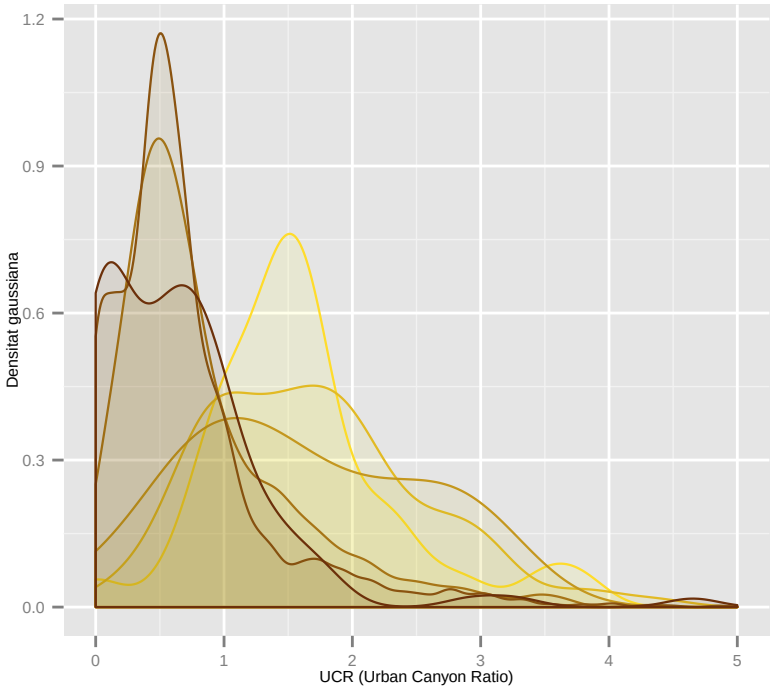
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

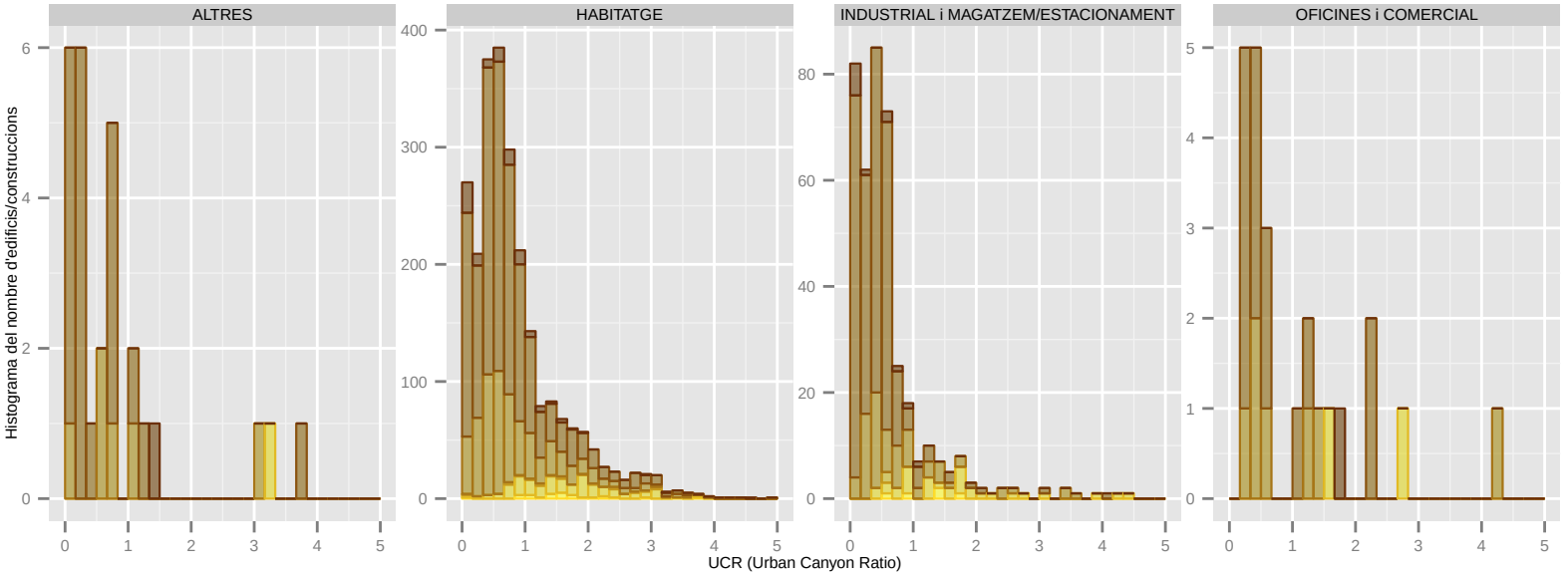
UCR (Urban Canyon Ratio): CASTELLBISBAL





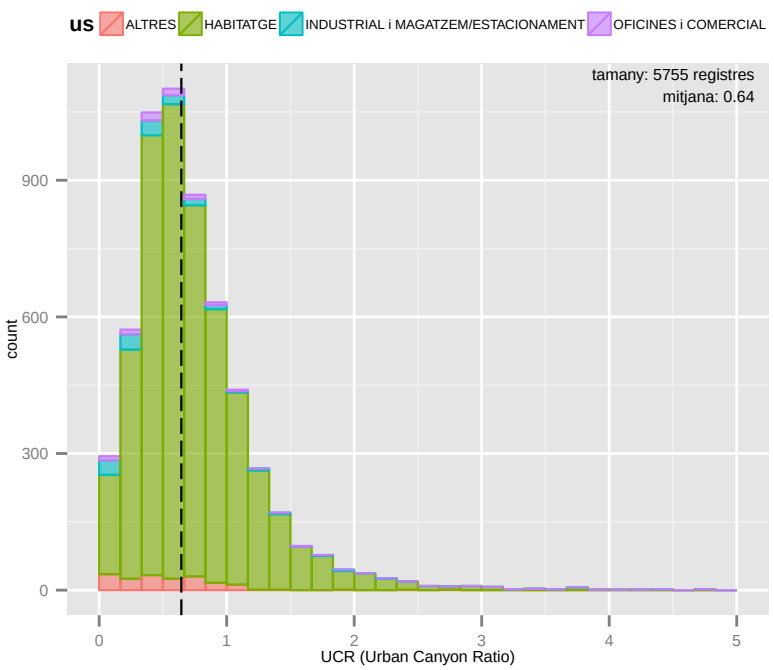


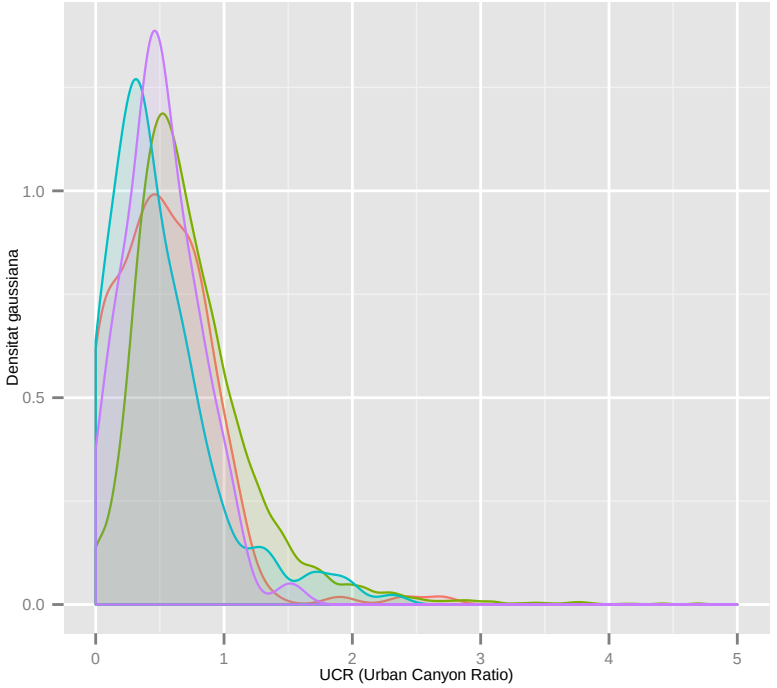


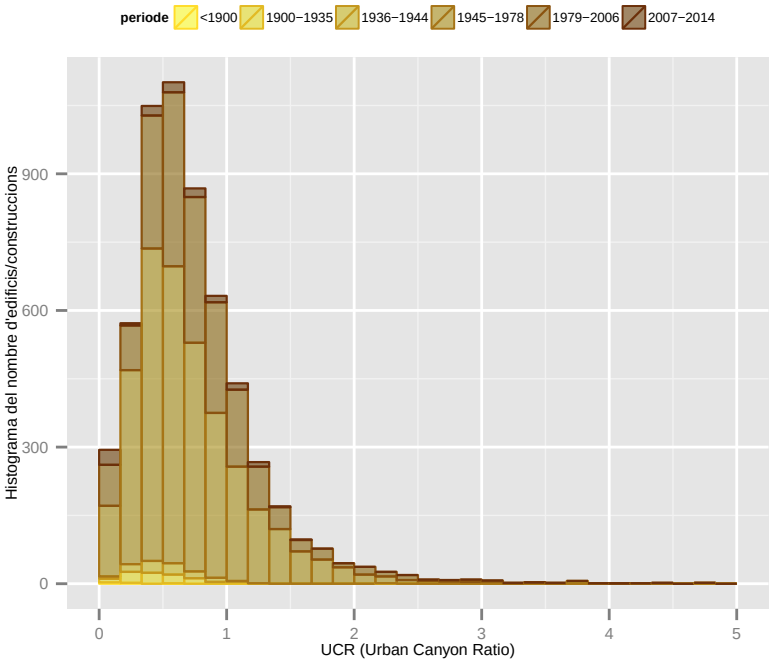


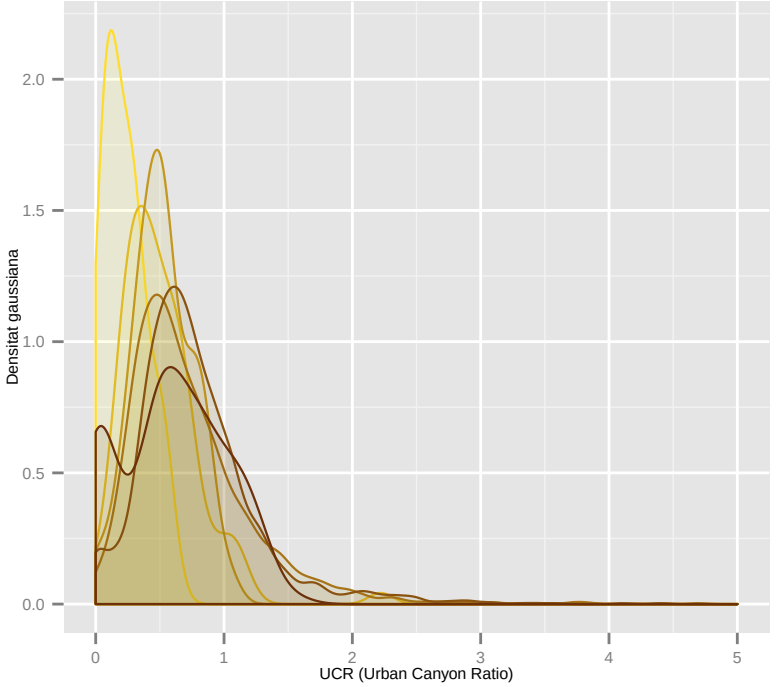
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

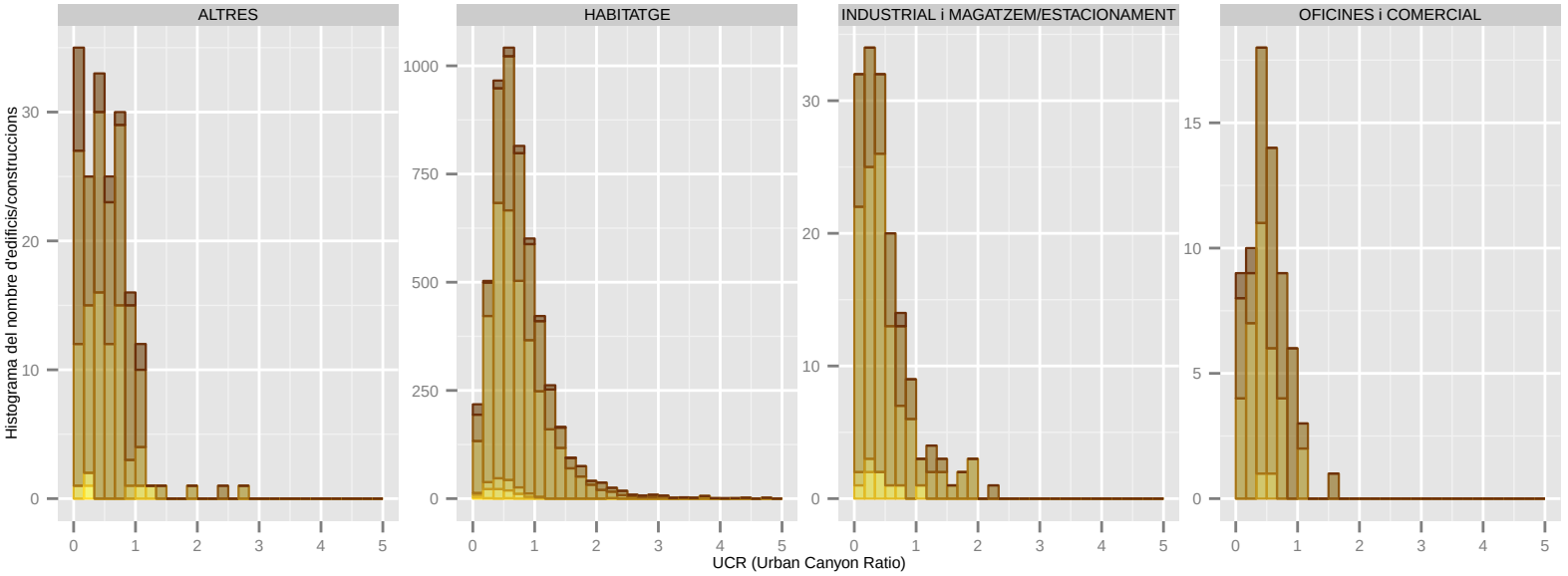
UCR (Urban Canyon Ratio): CASTELLDEFELS





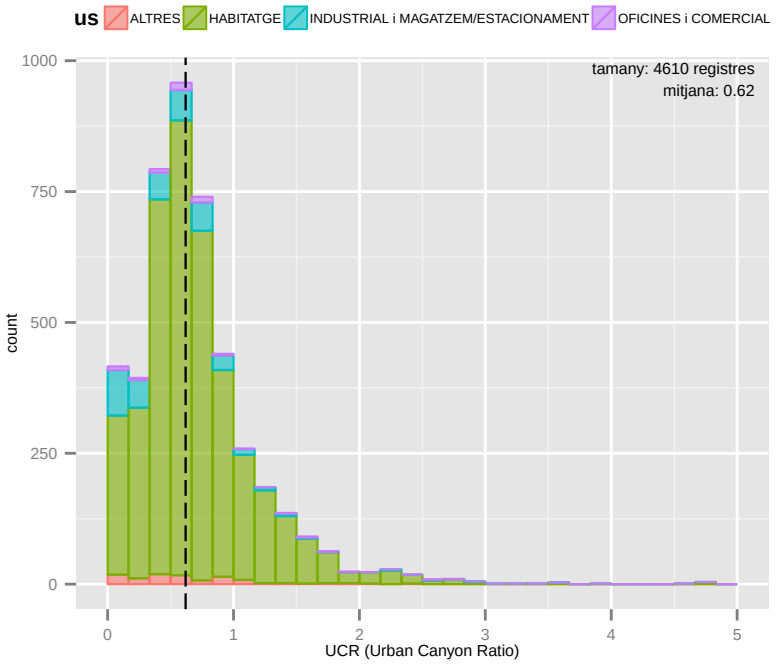


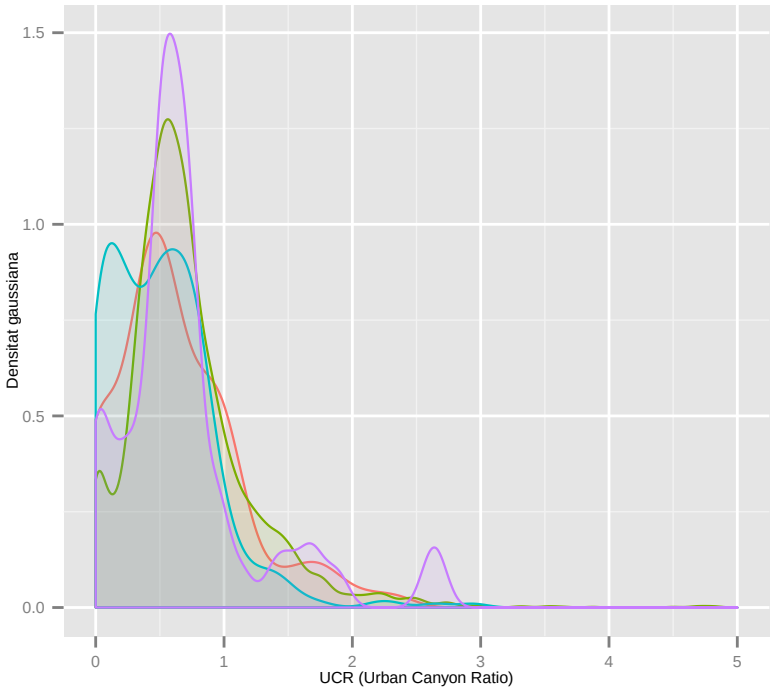


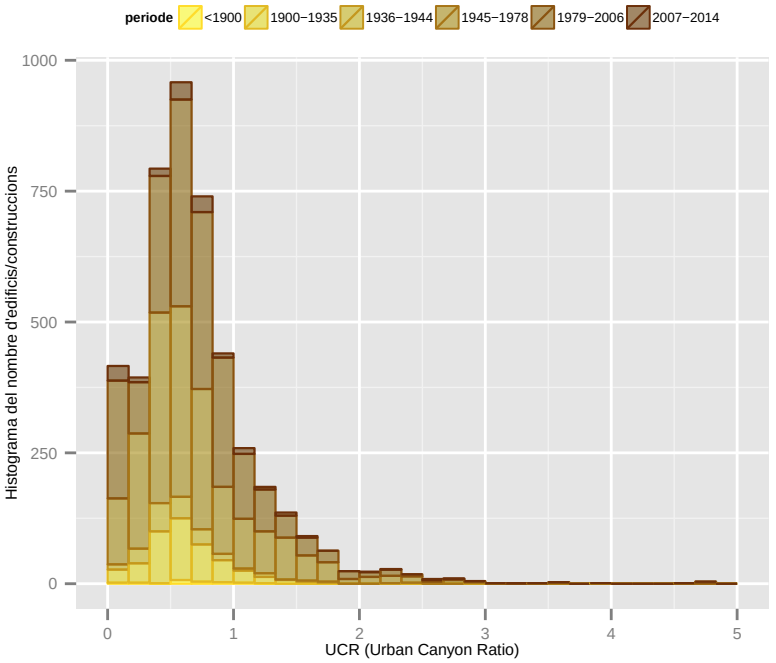


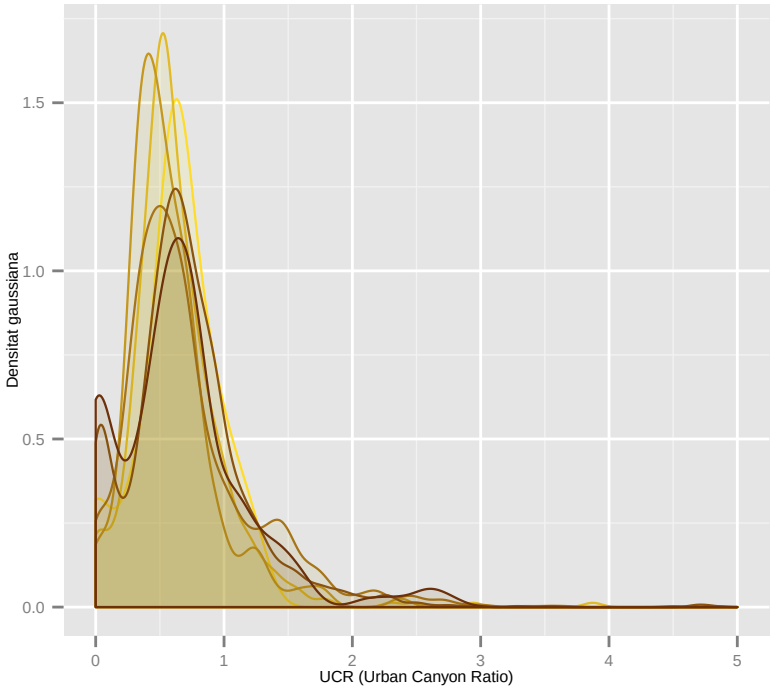
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

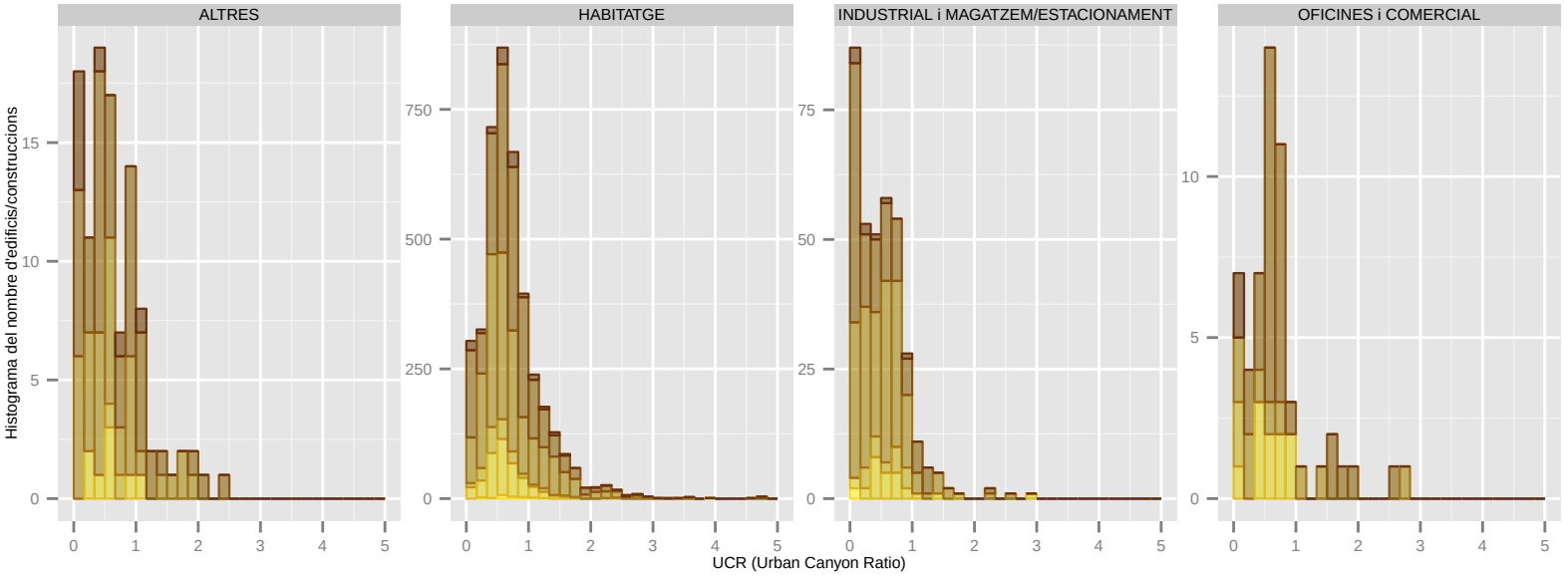
UCR (Urban Canyon Ratio): CERDANYOLA DEL VALLES





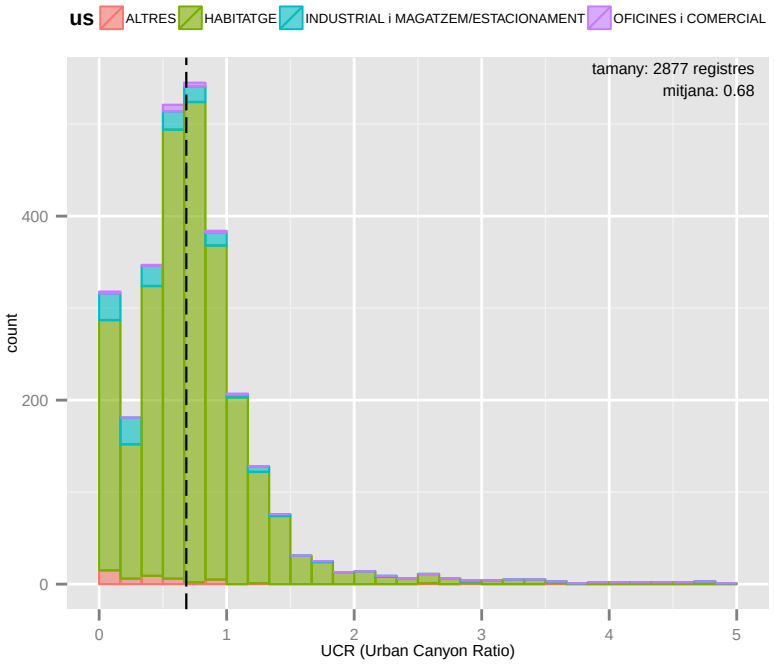


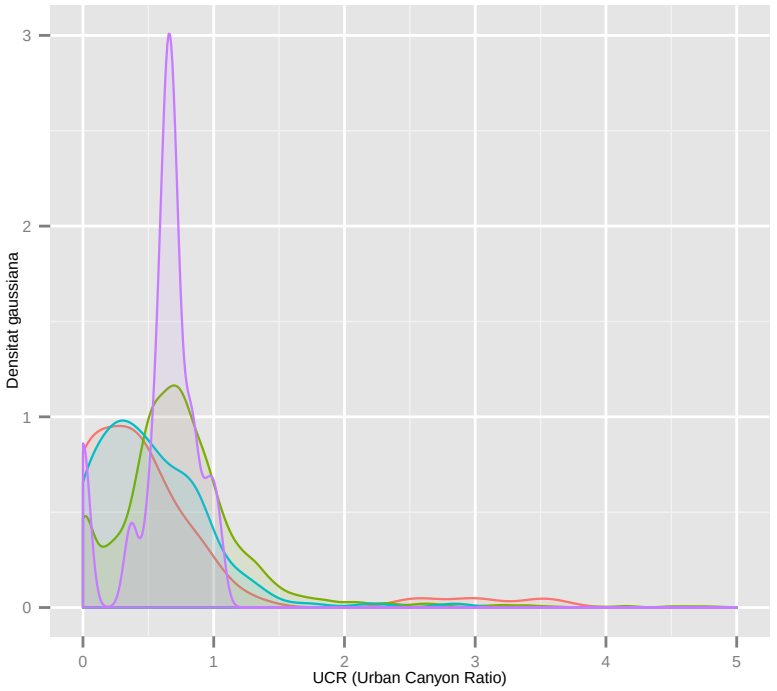


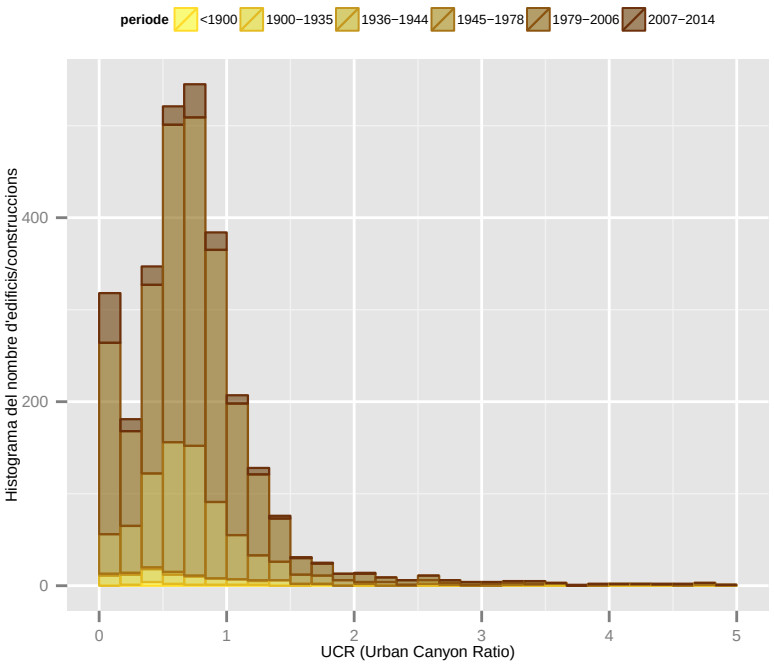


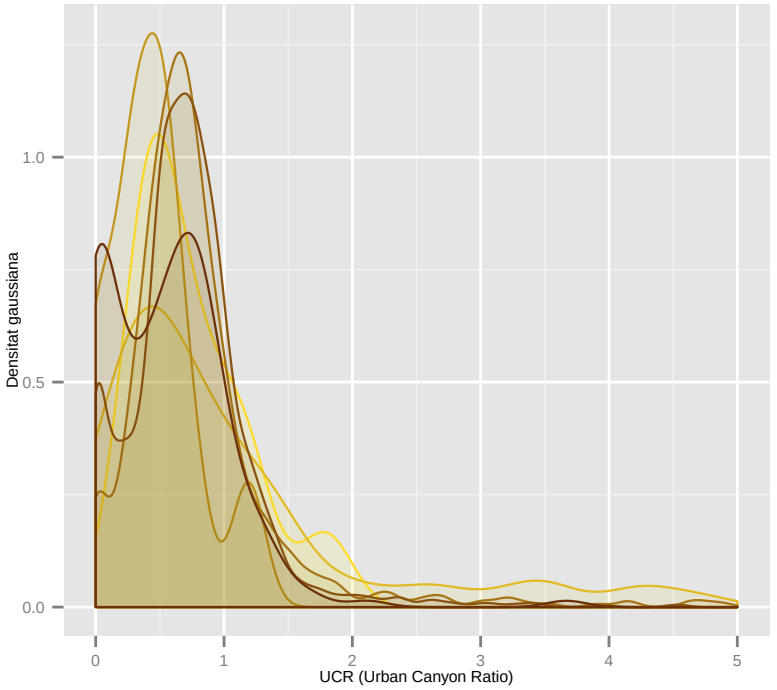
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

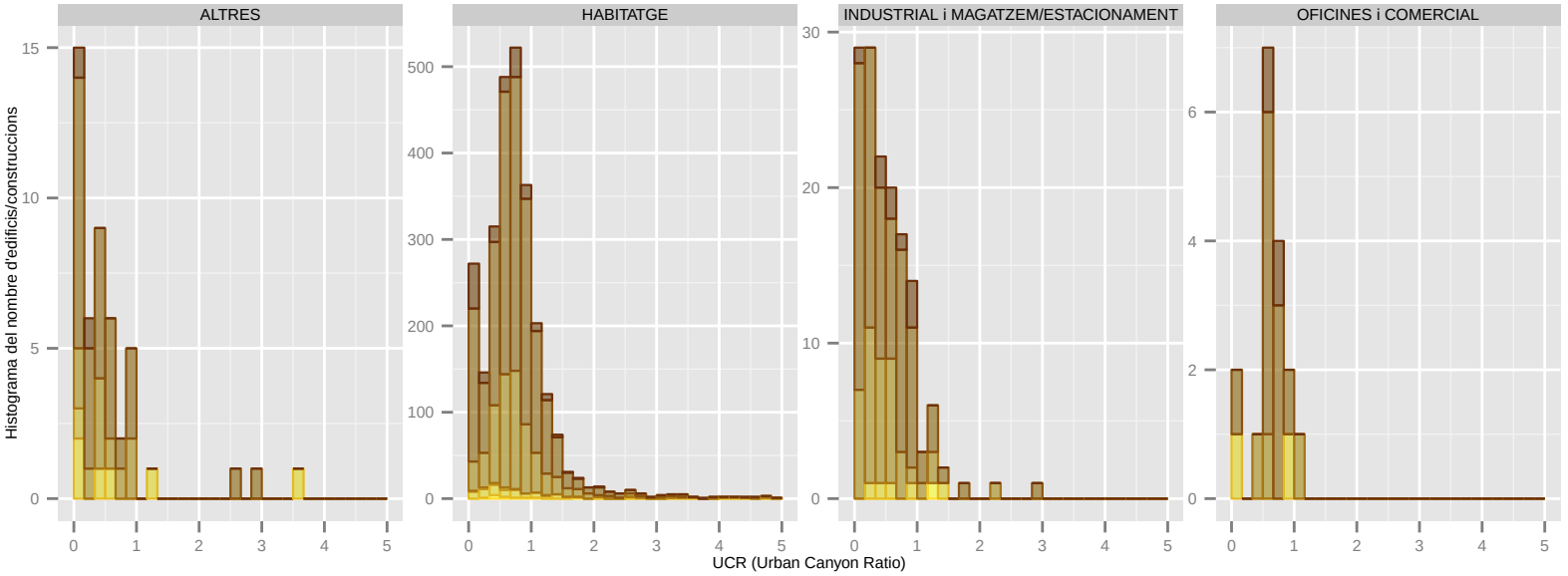
UCR (Urban Canyon Ratio): CERVELLO





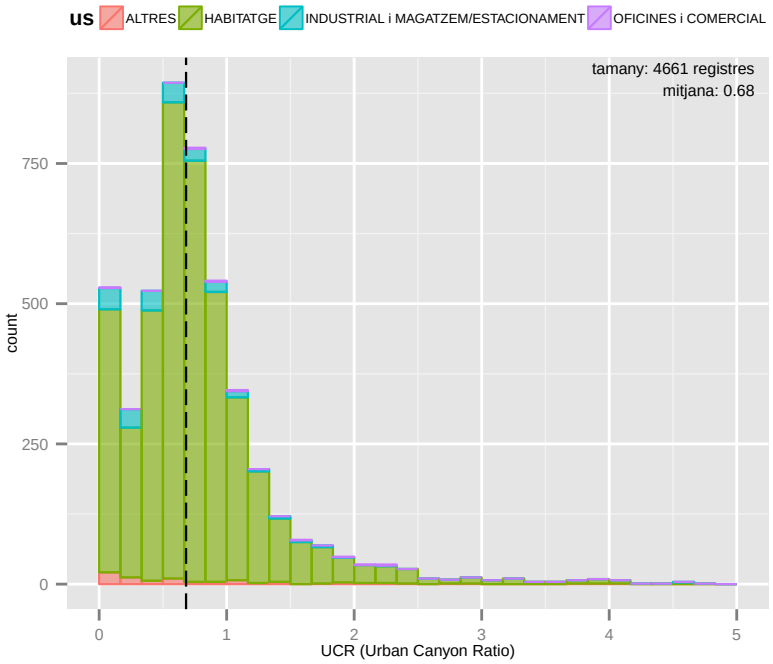


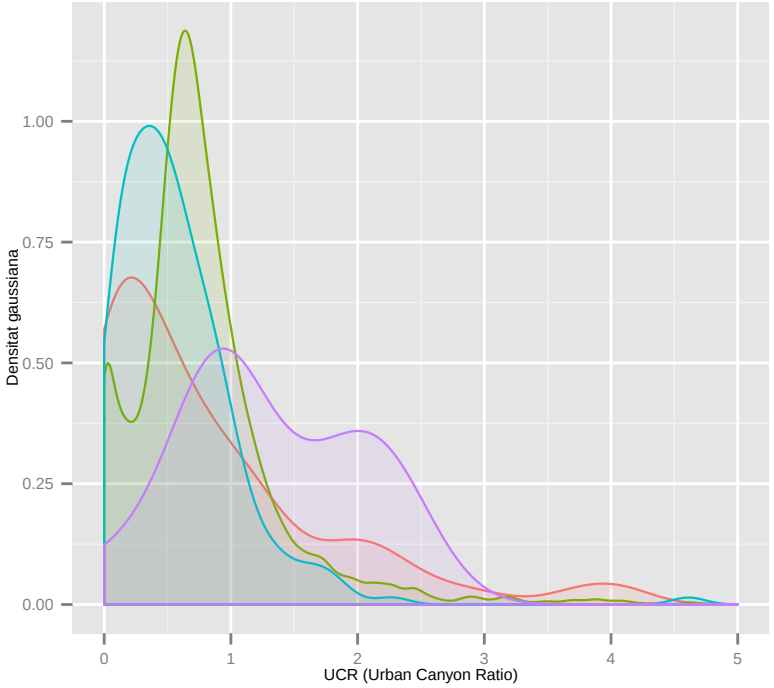


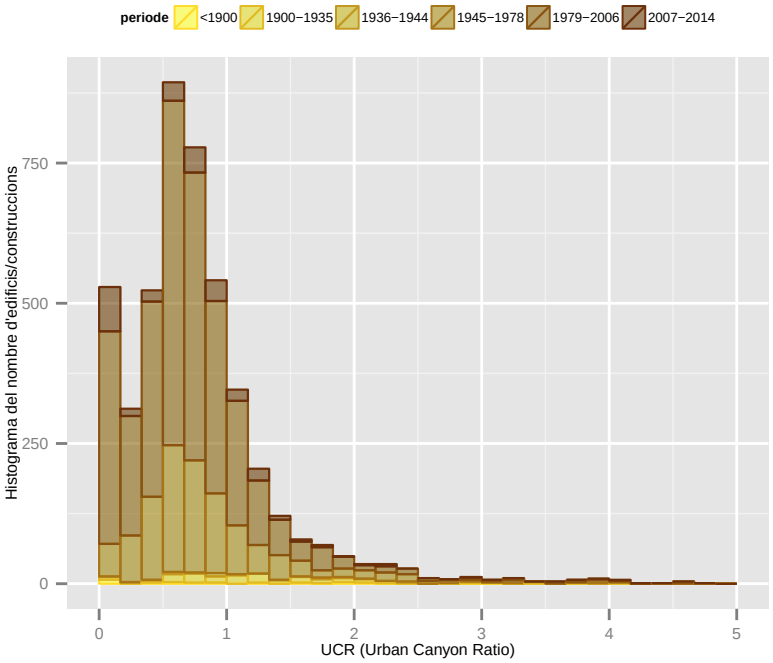


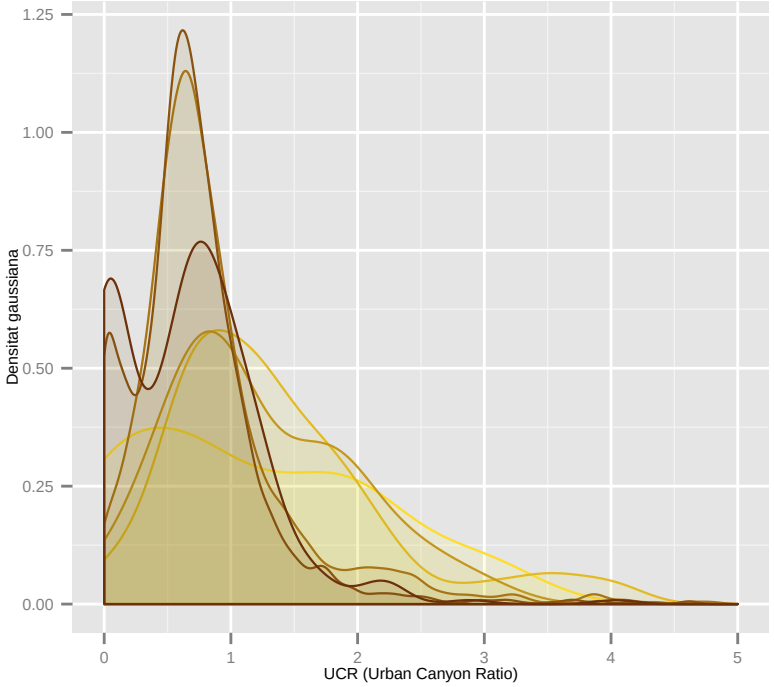
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

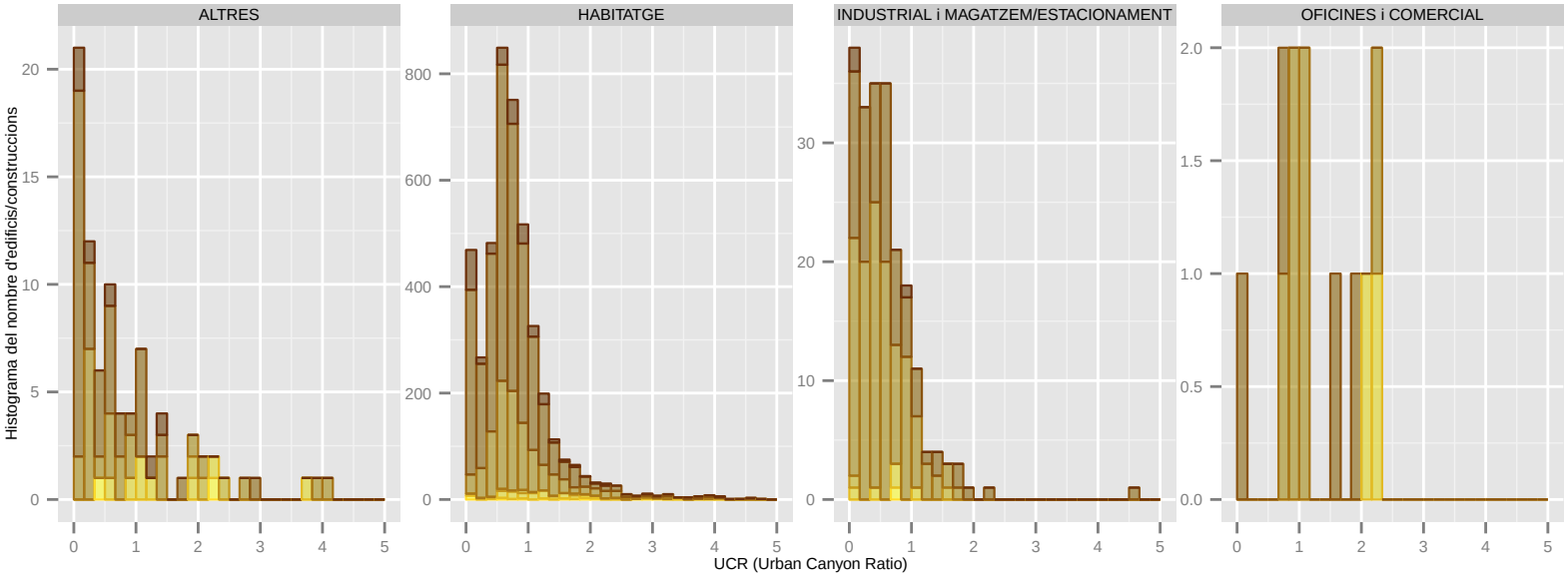
UCR (Urban Canyon Ratio): CORBERA DE LLOBREGAT





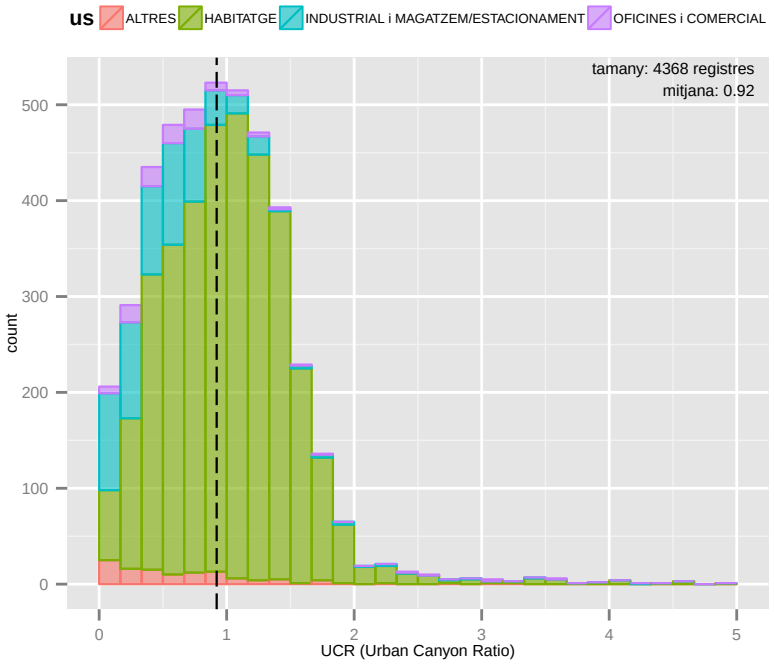


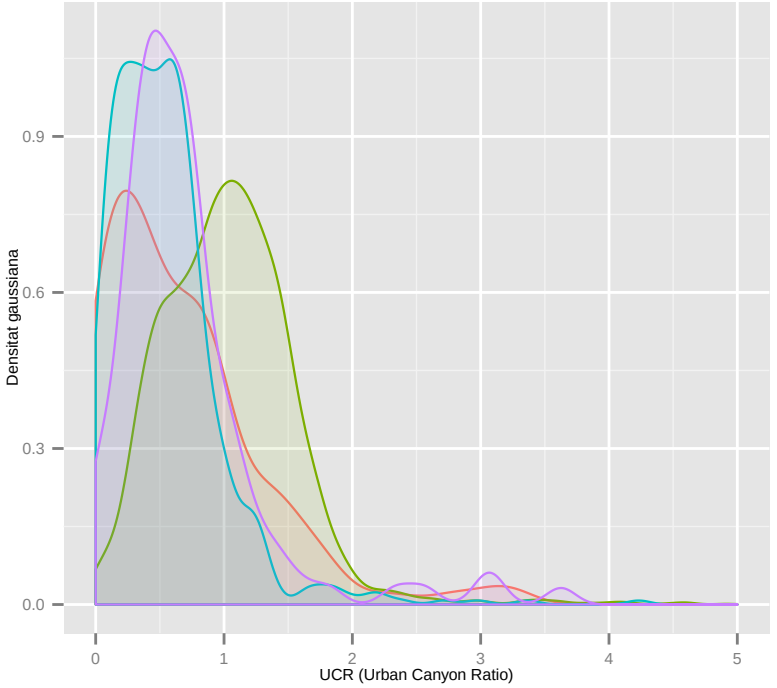


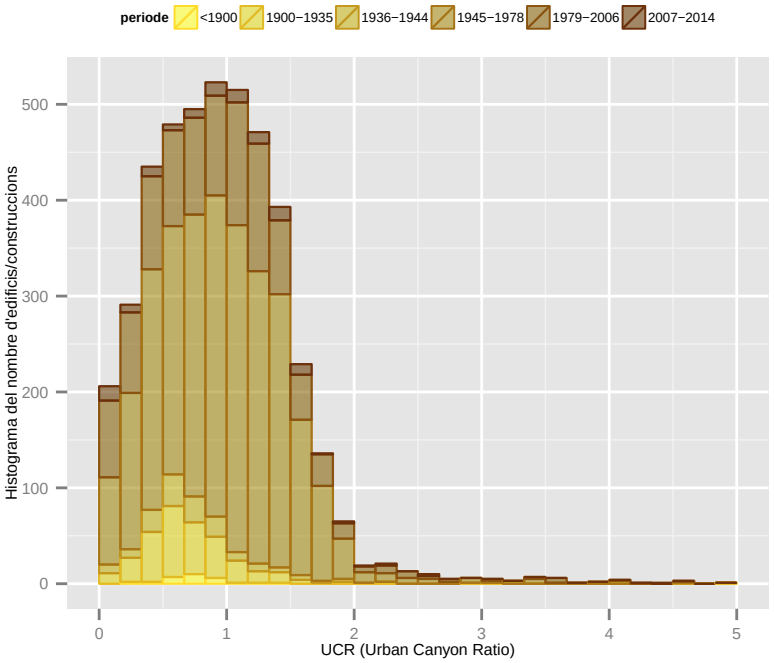


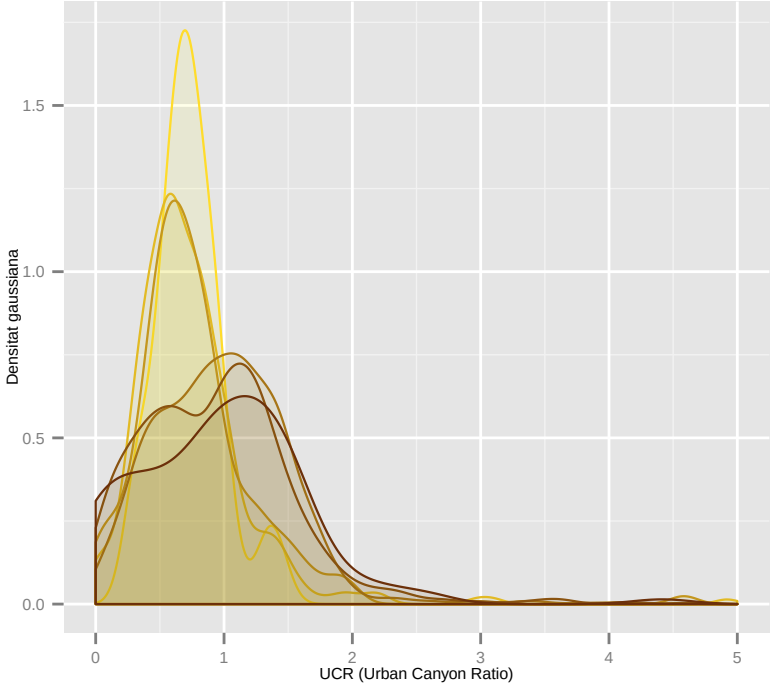
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

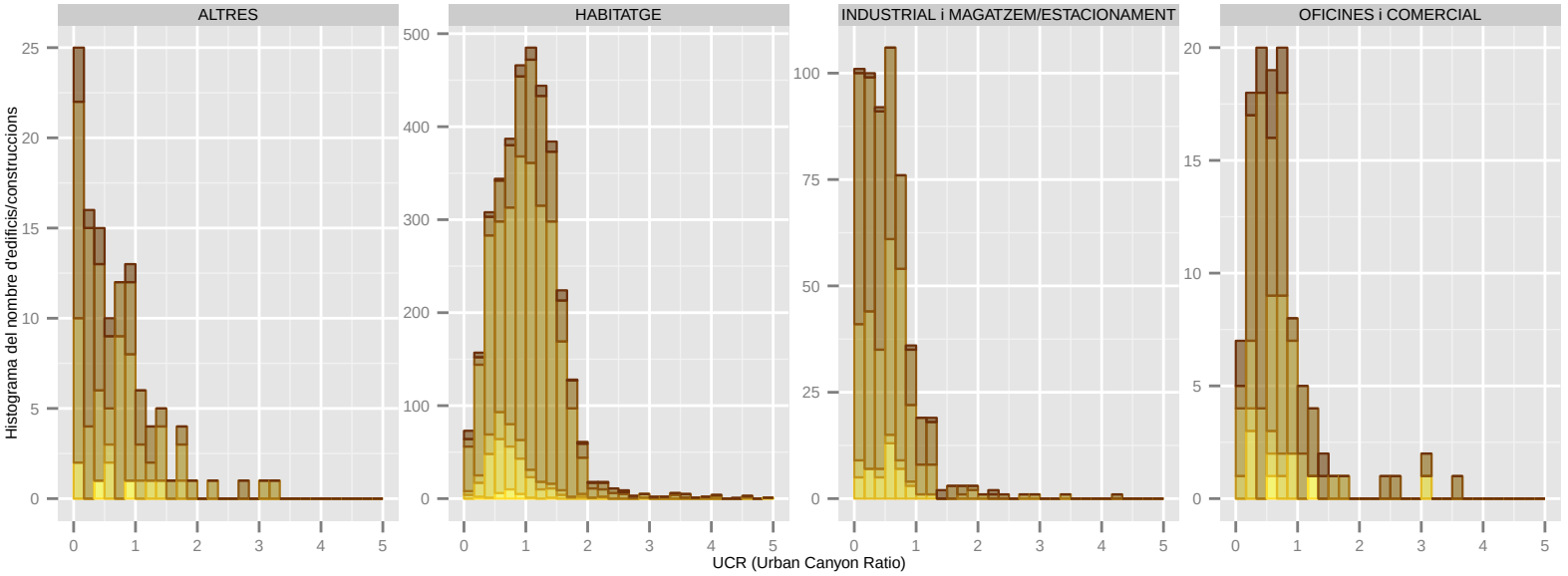
UCR (Urban Canyon Ratio): CORNELLA DE LLOBREGAT





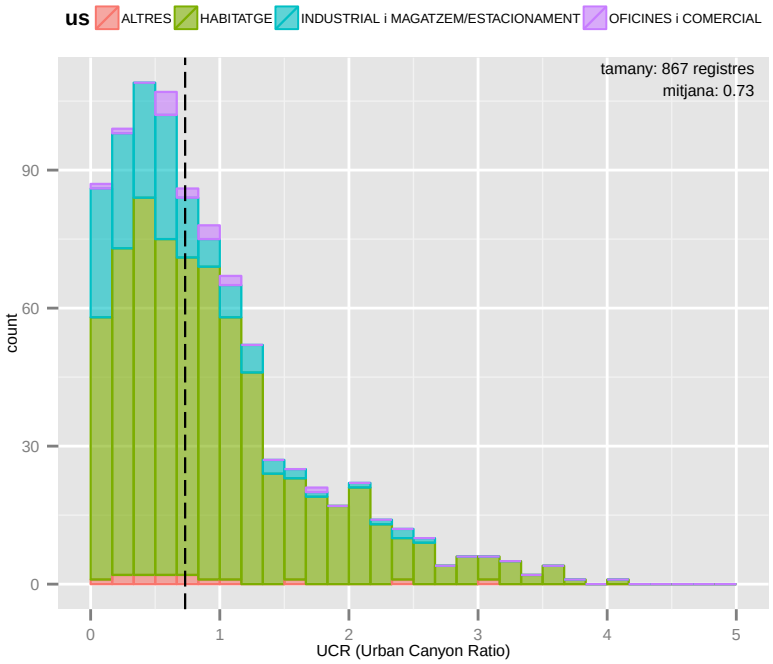


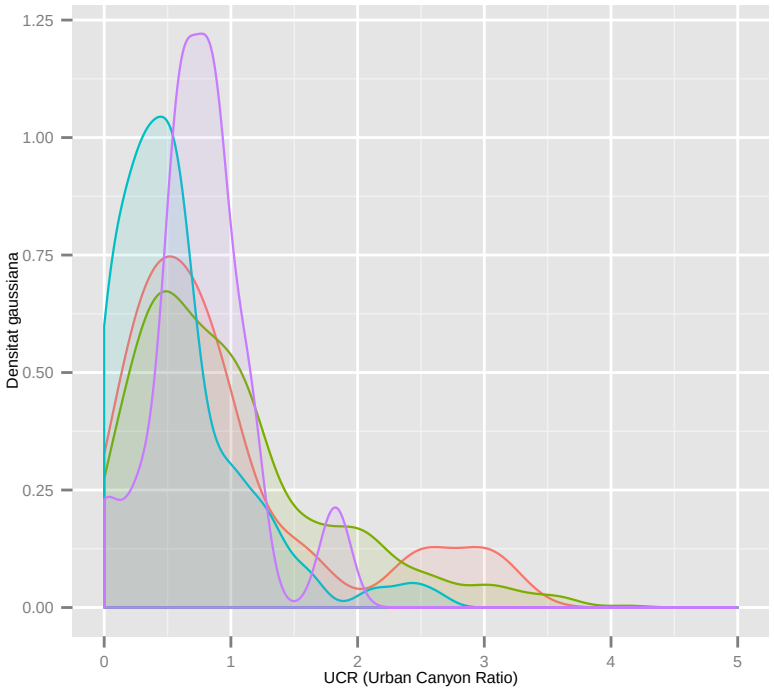


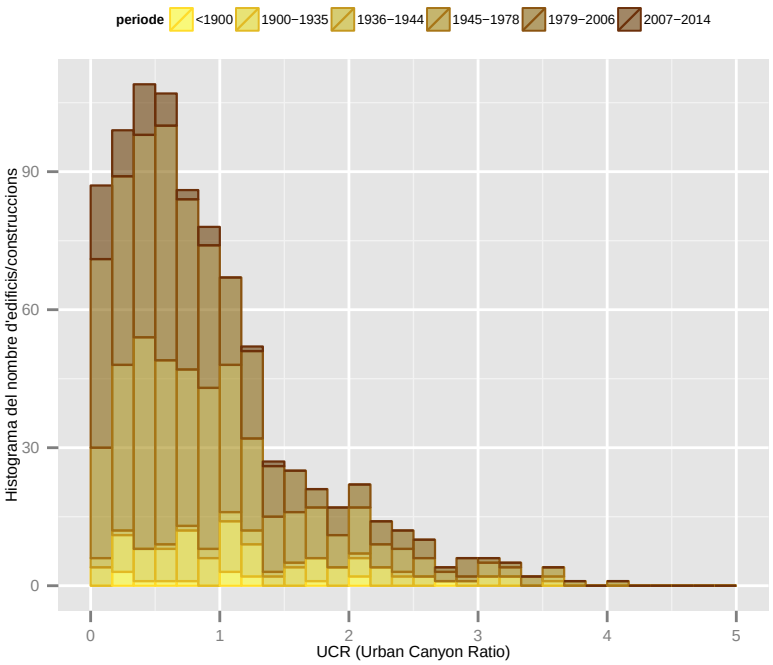


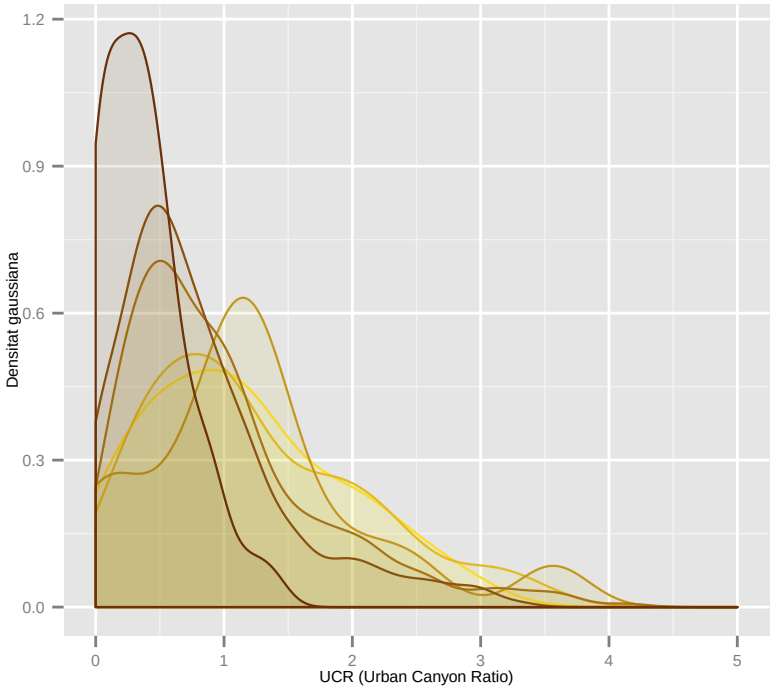
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

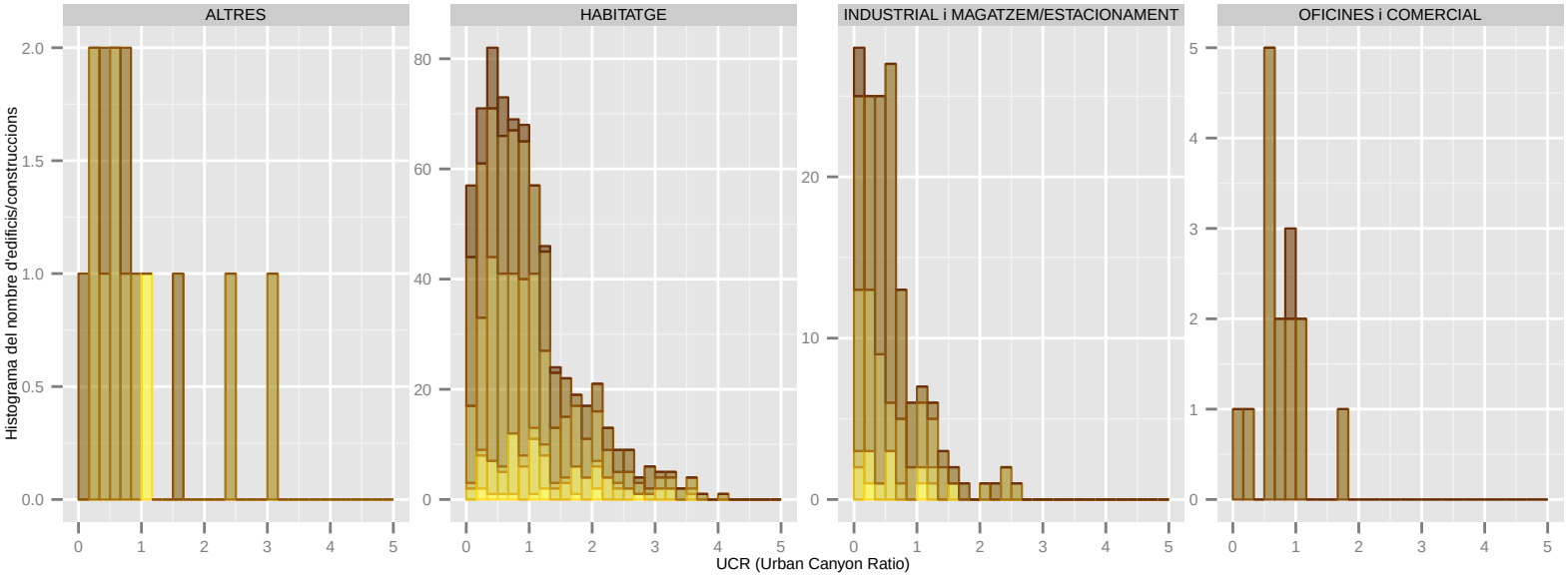
UCR (Urban Canyon Ratio): EL PAPIOL





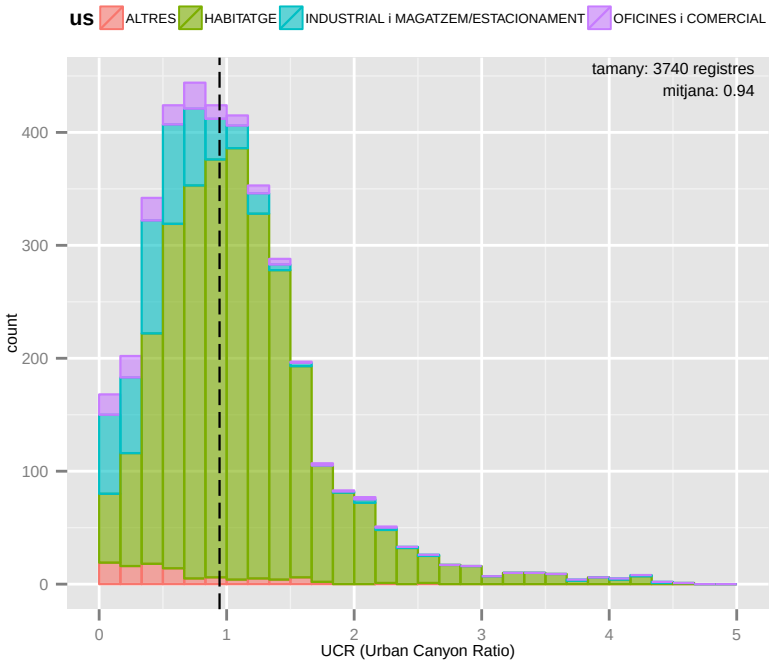


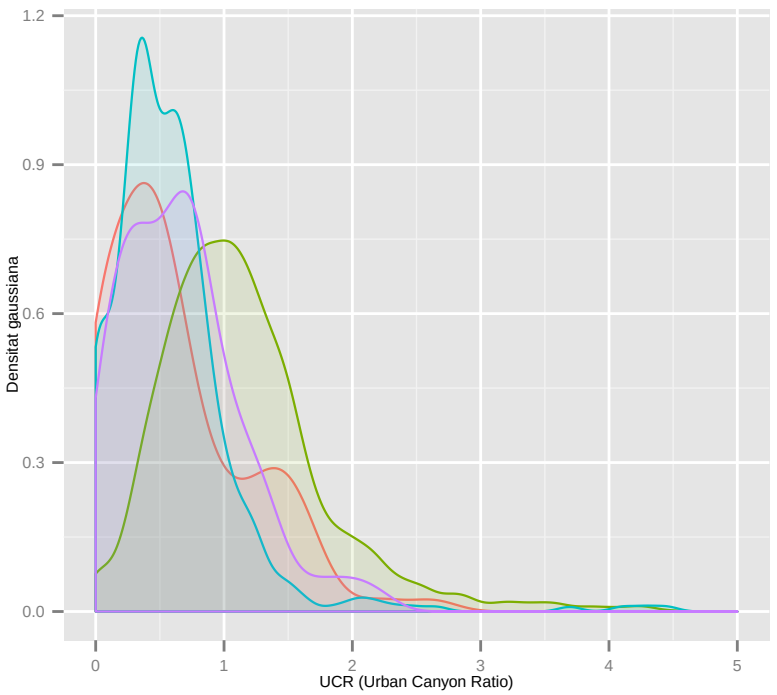


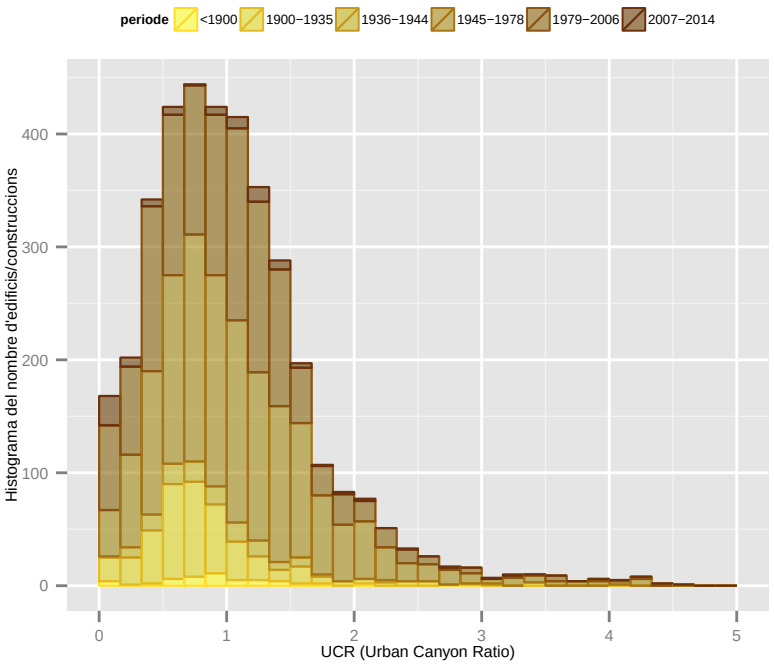


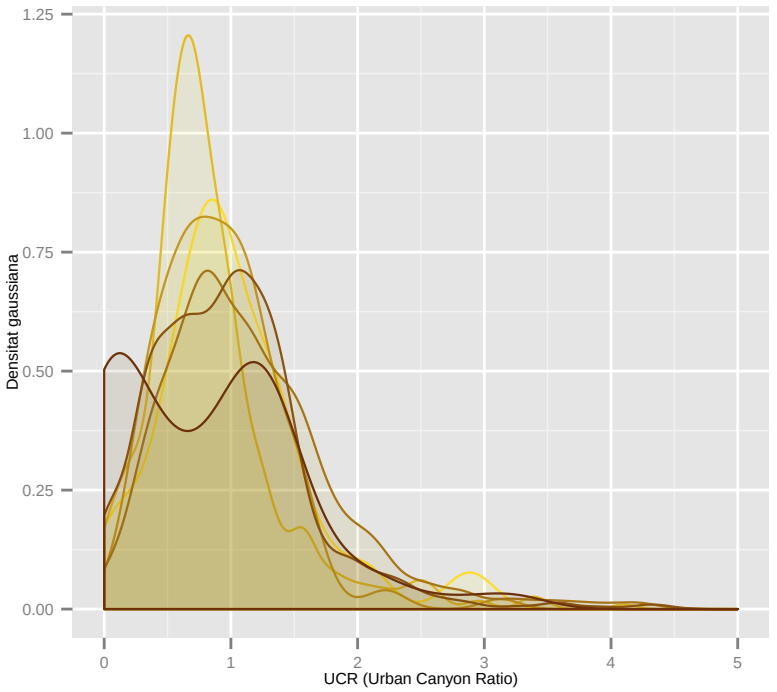
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

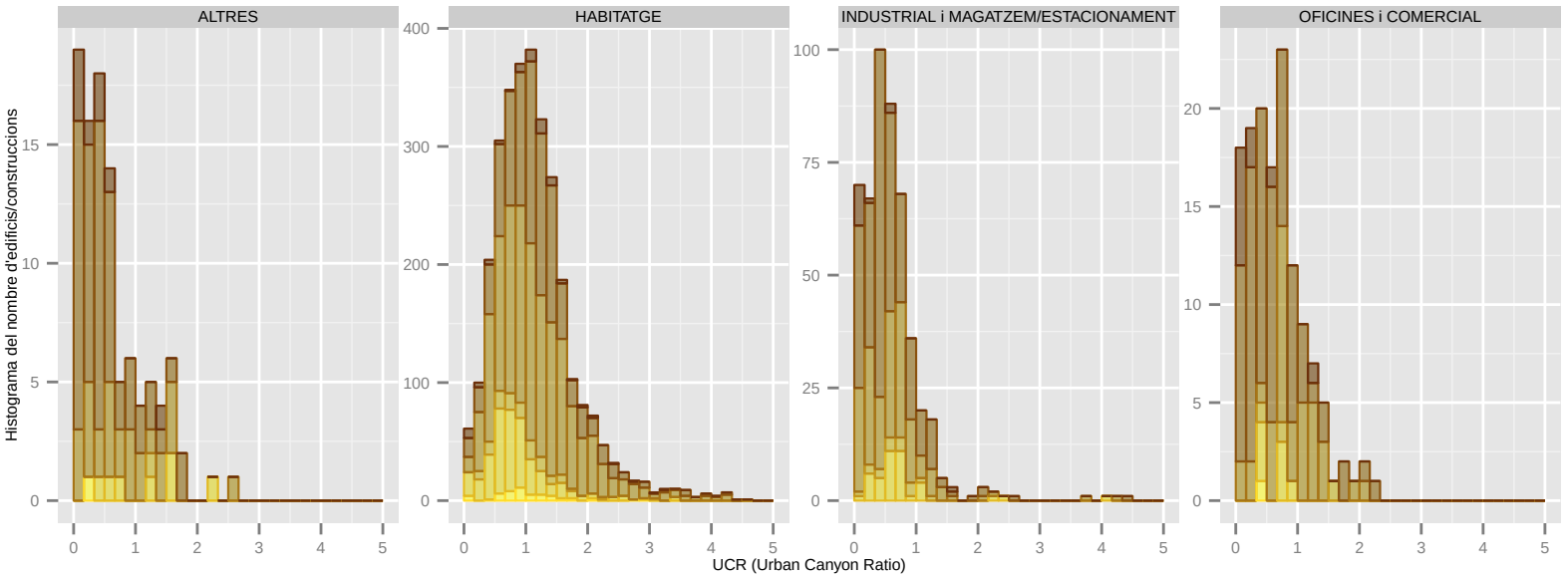
UCR (Urban Canyon Ratio): EL PRAT DE LLOBREGAT





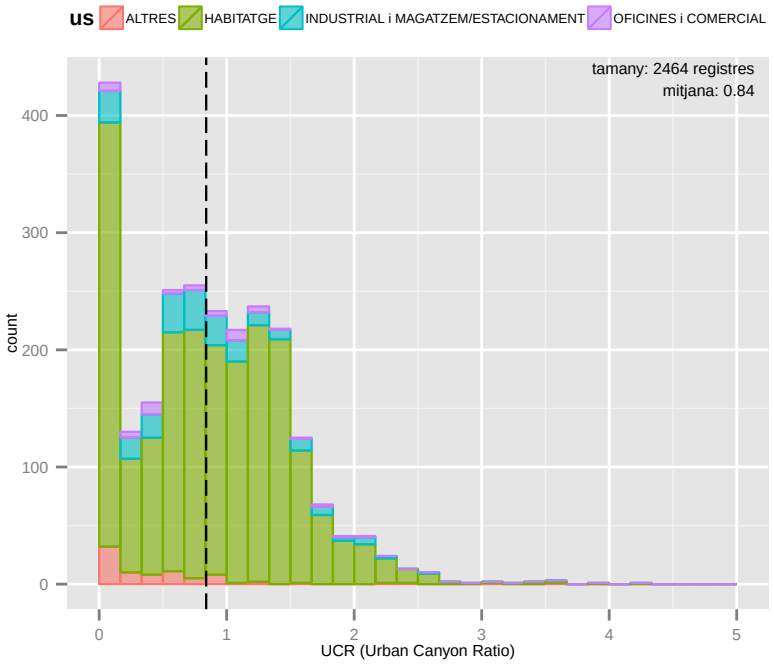


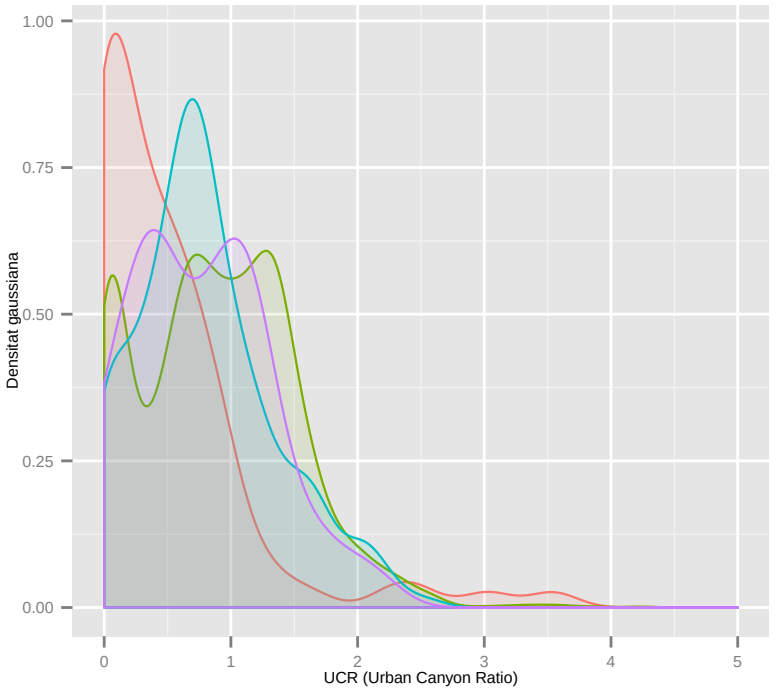


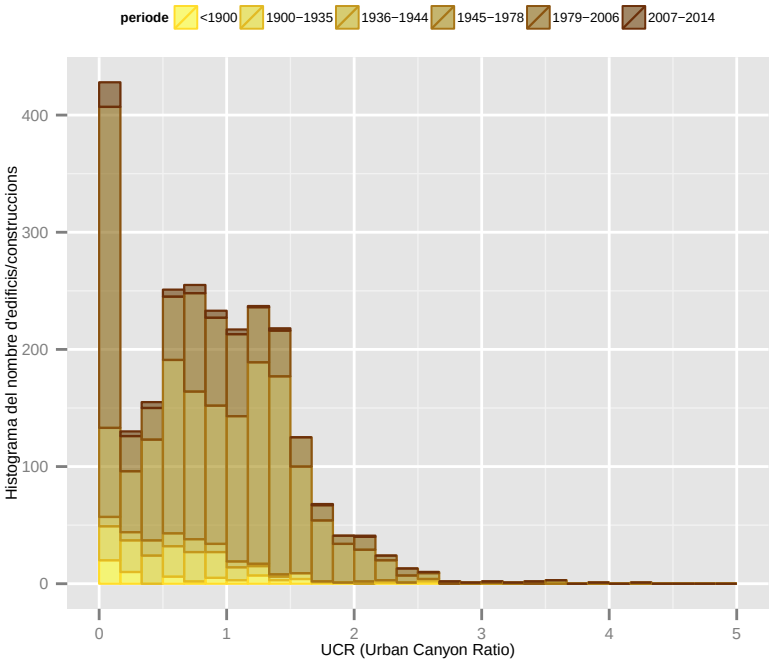


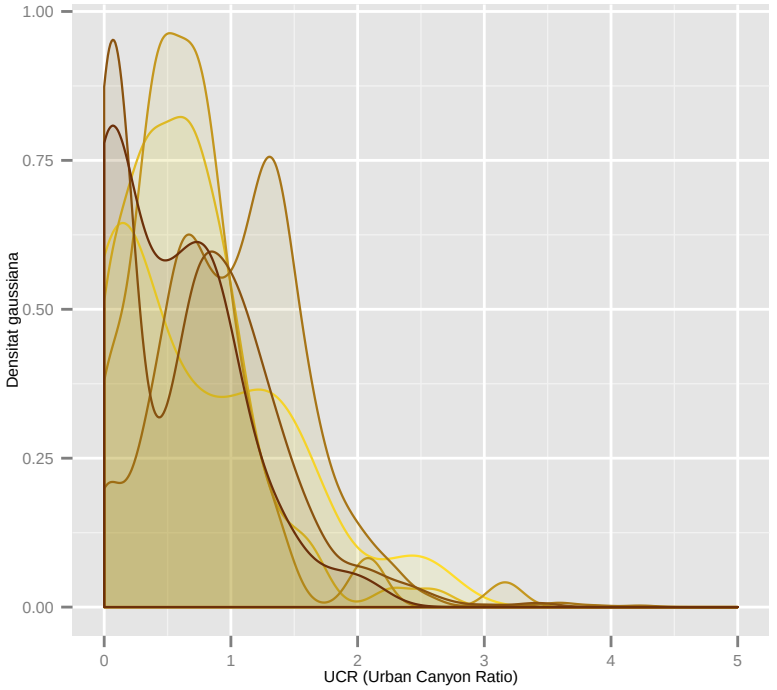
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

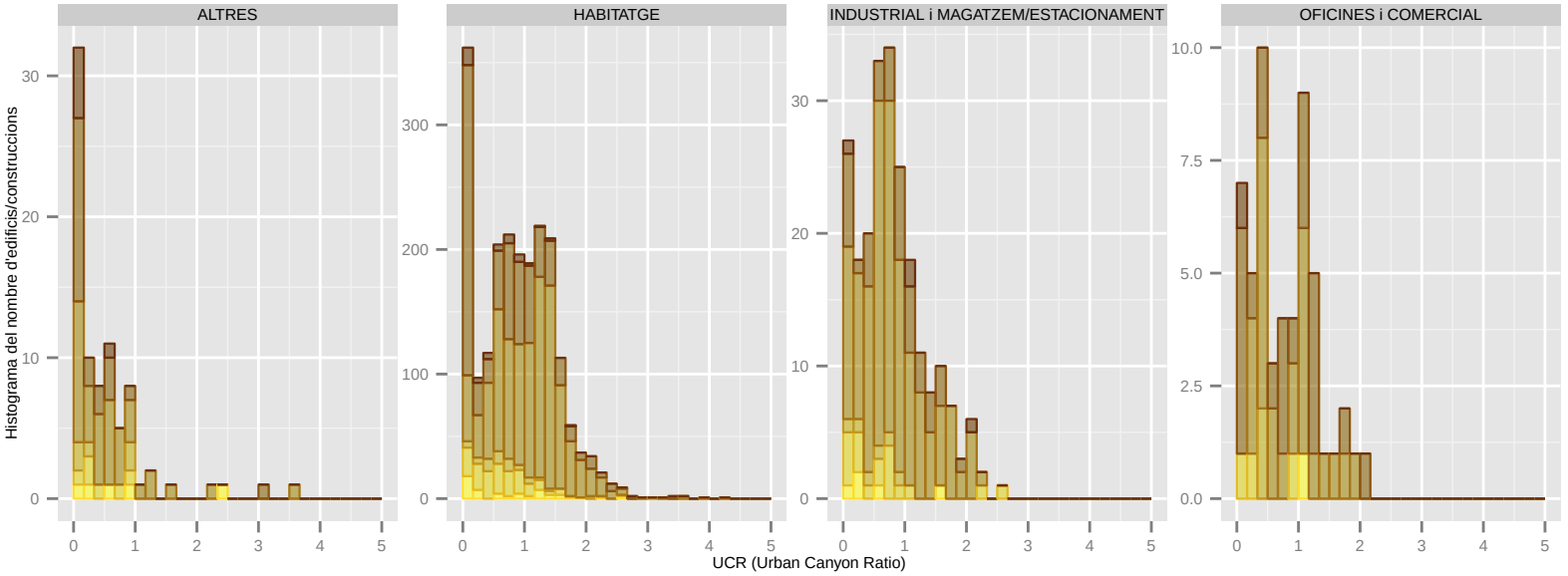
UCR (Urban Canyon Ratio): ESPLUGUES DE LLOBREGAT





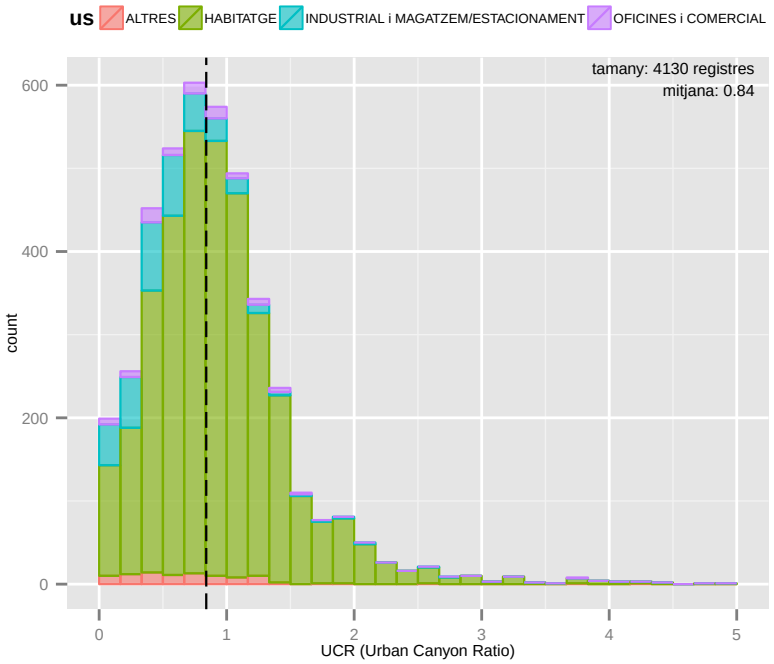


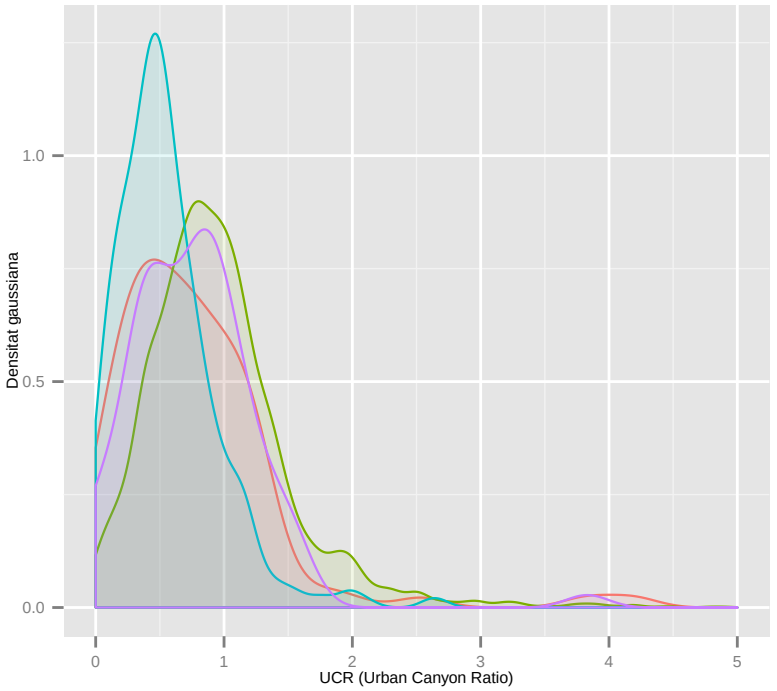


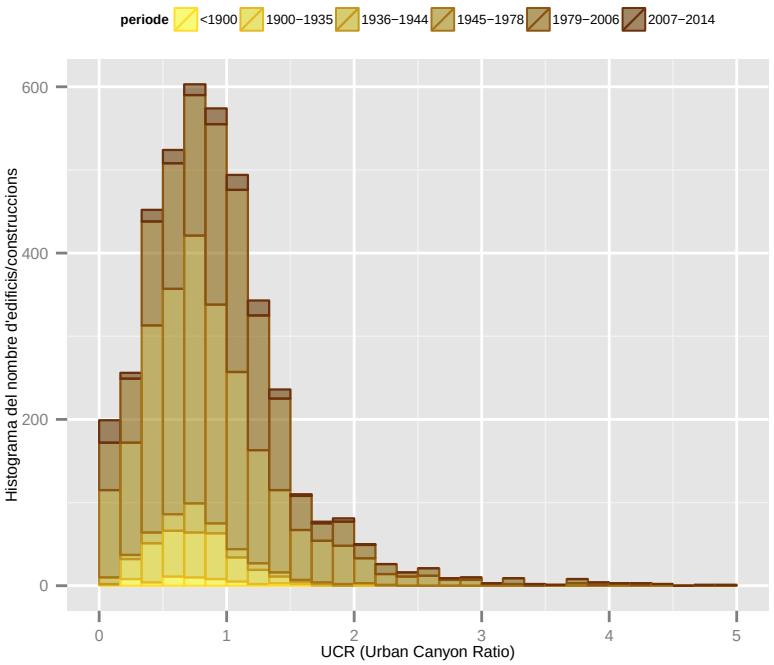


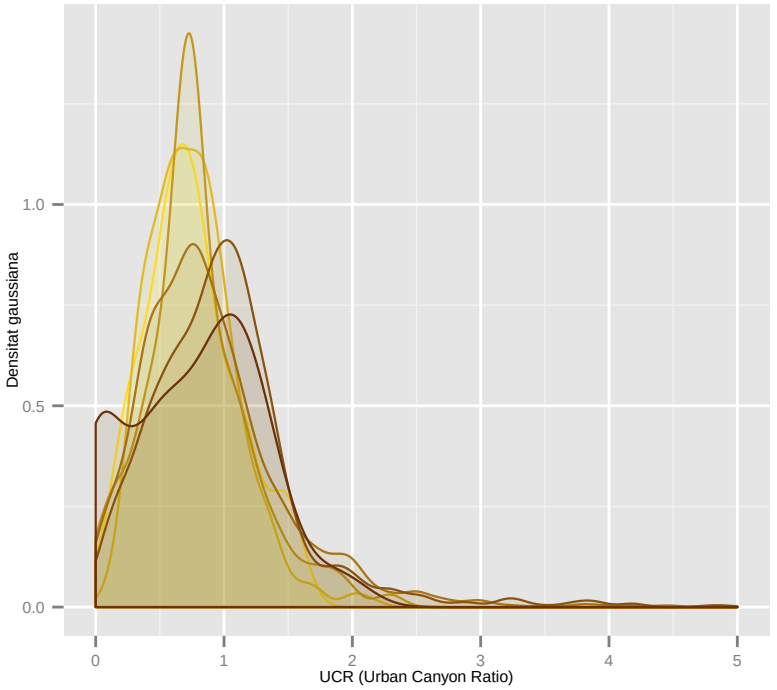
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

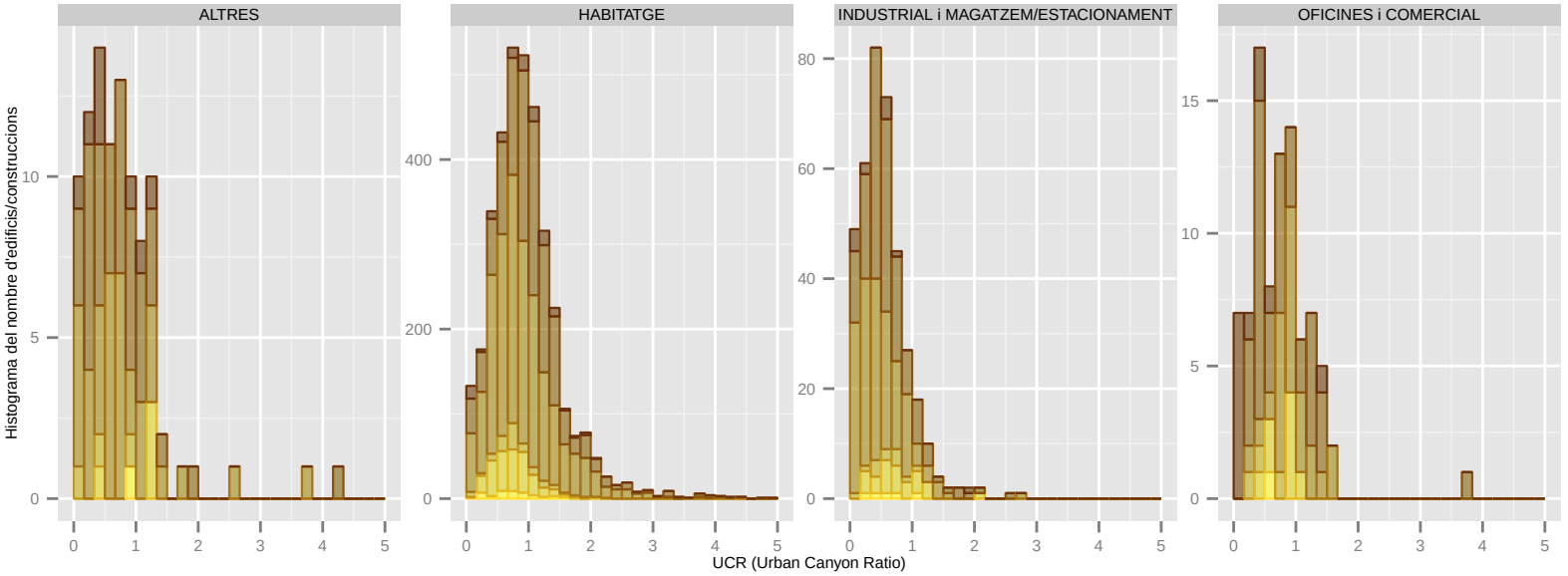
UCR (Urban Canyon Ratio): GAVA





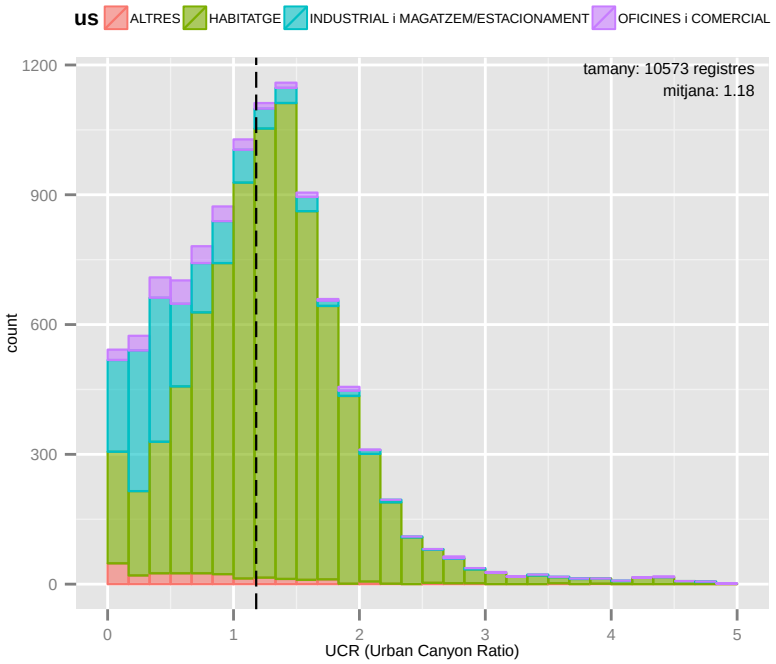


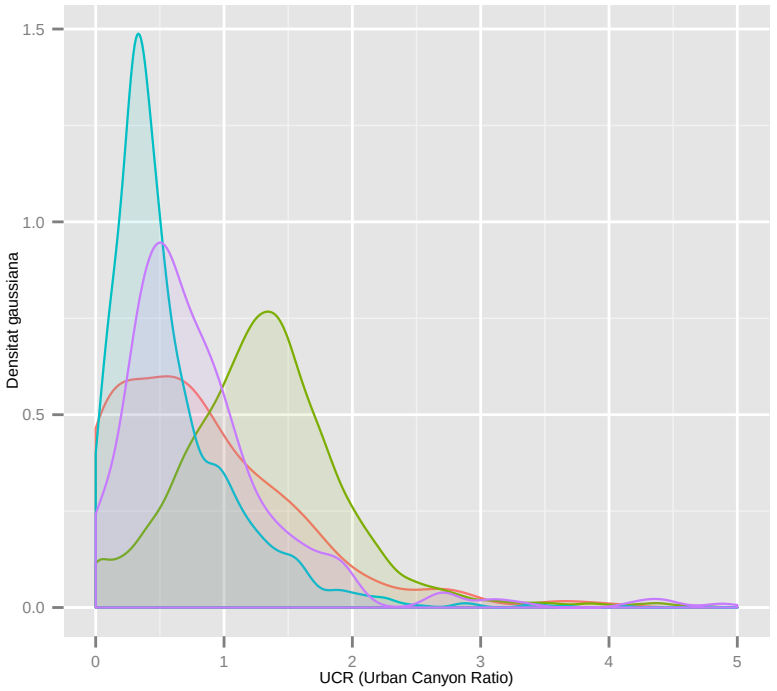


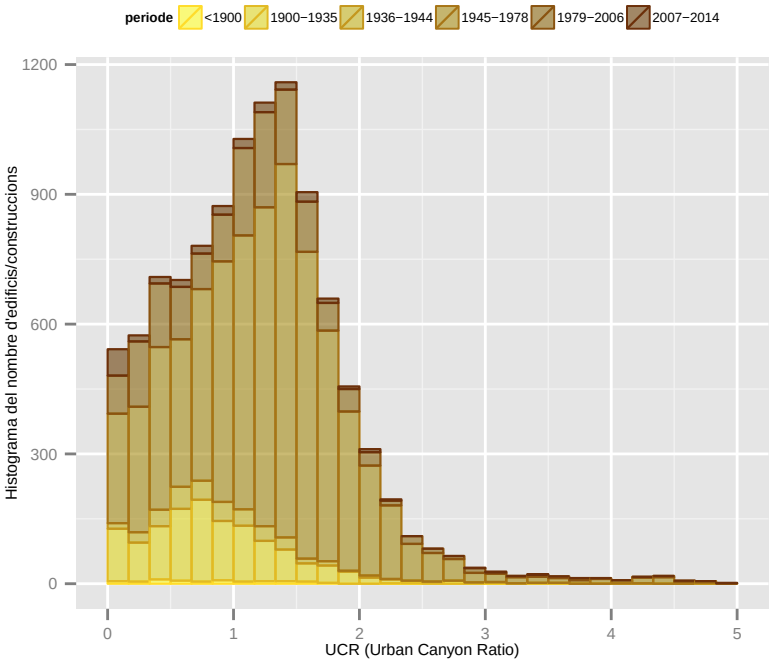


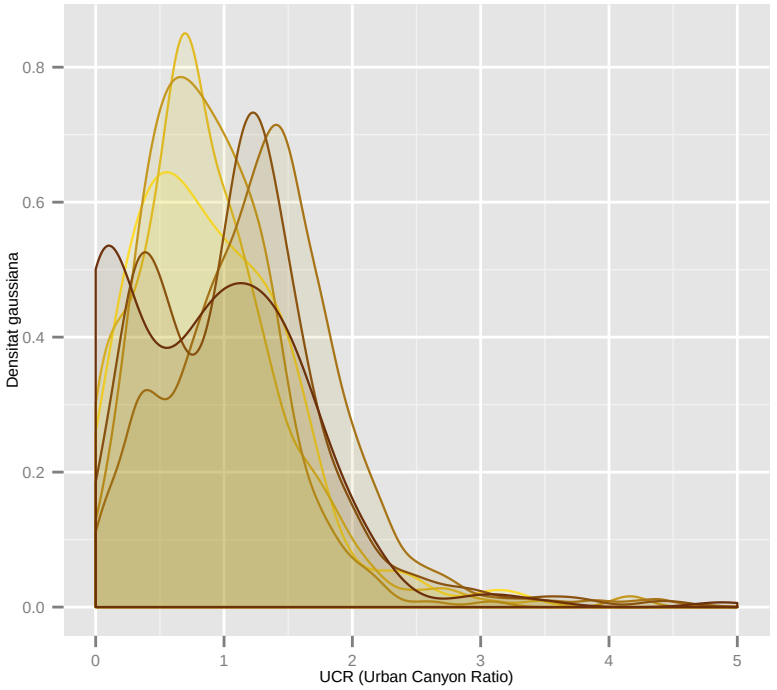
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

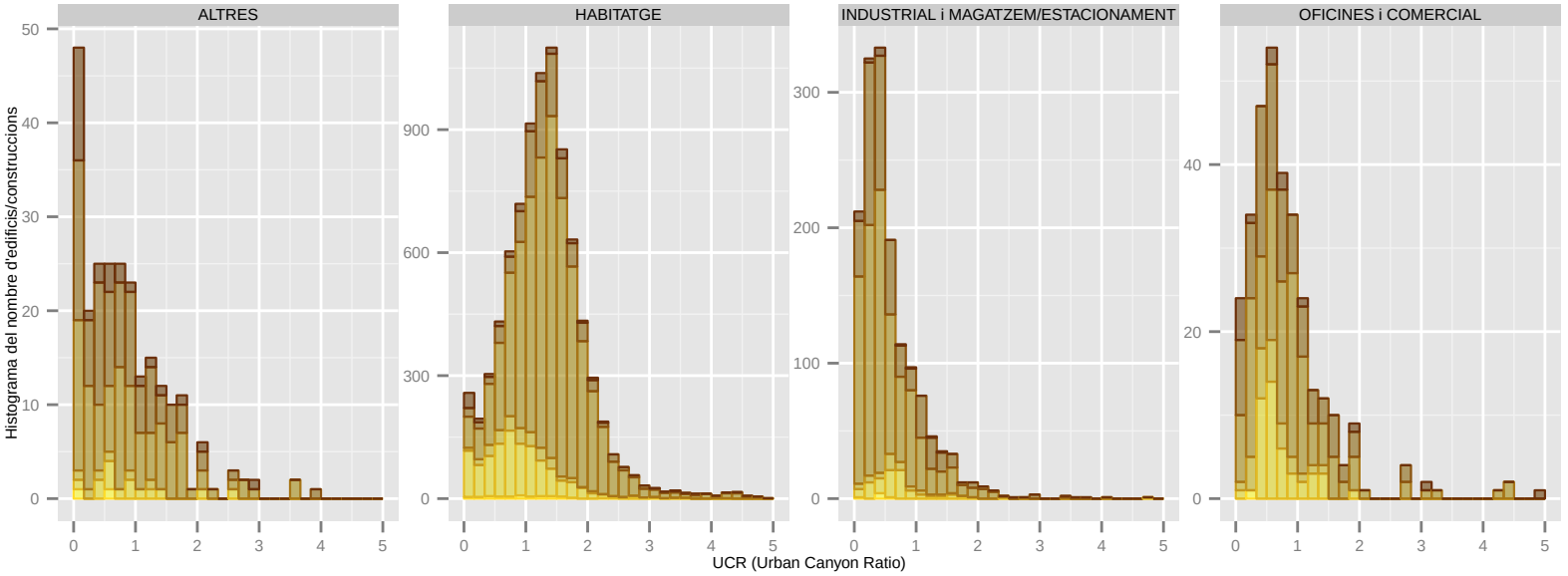
UCR (Urban Canyon Ratio): L'HOSPITALET DE LLOBREGAT





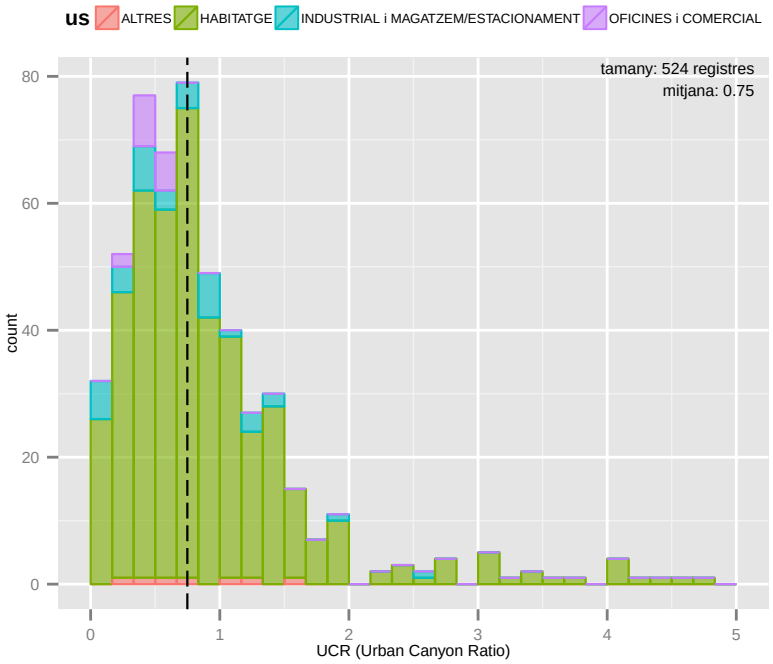


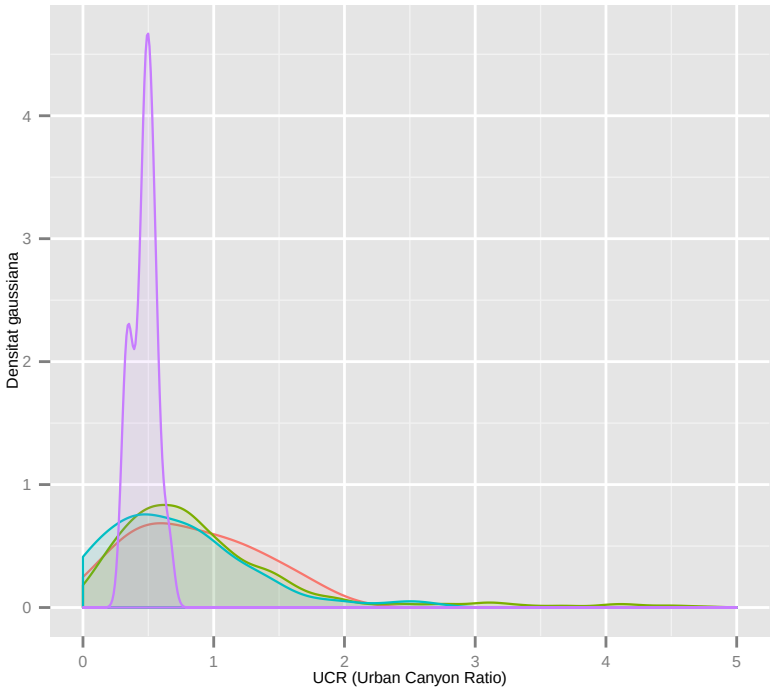


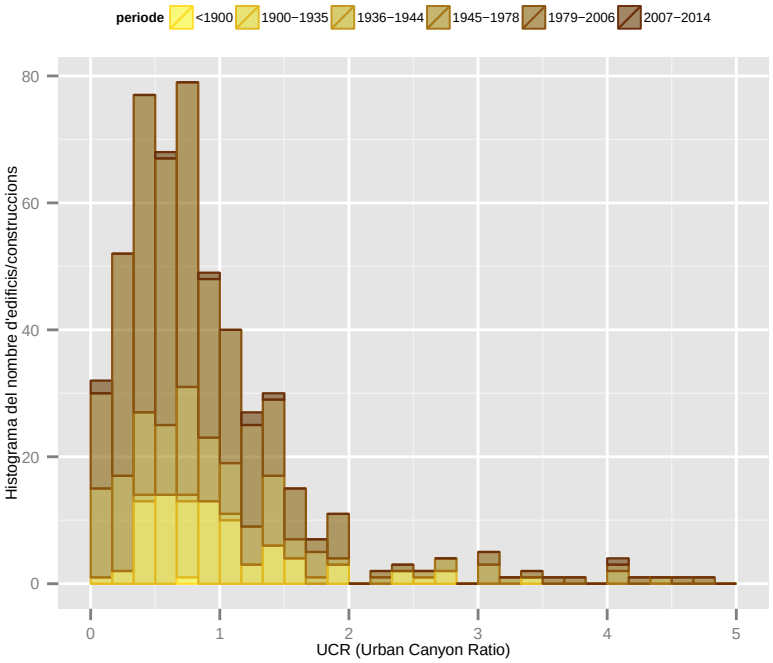


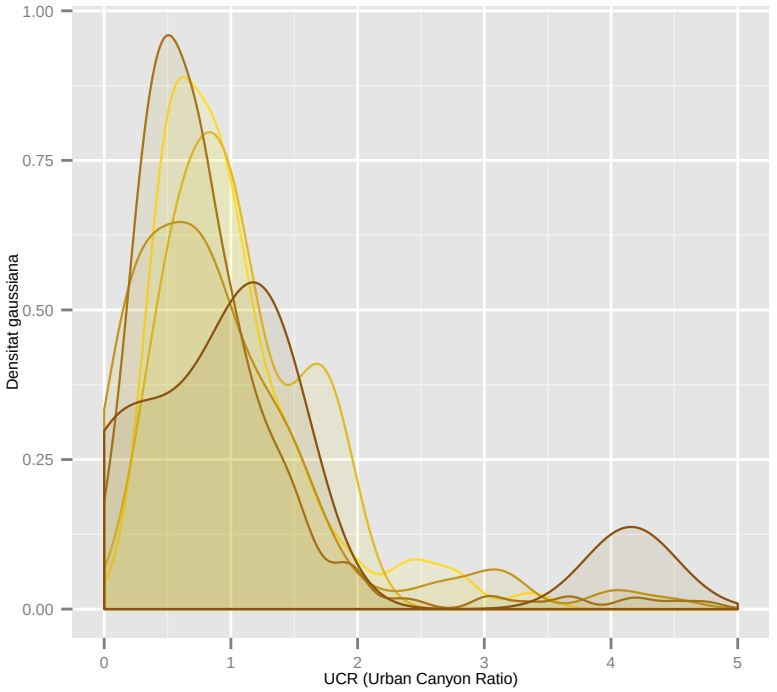
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

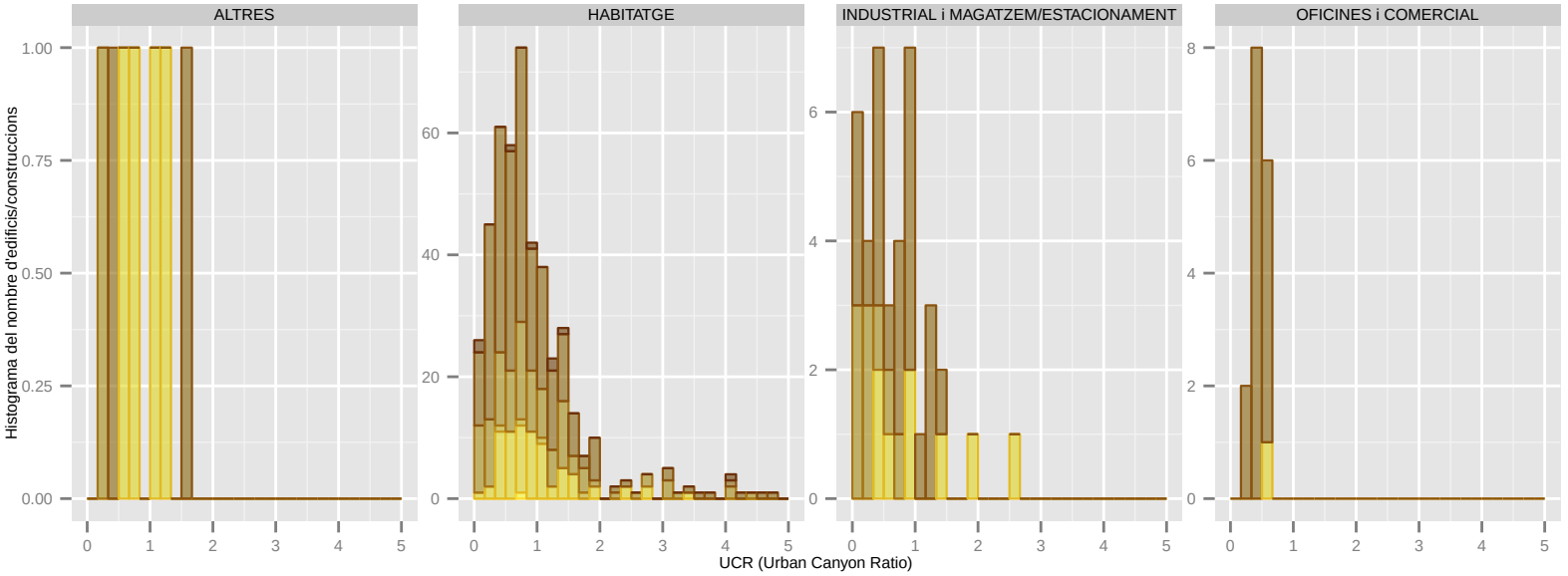
UCR (Urban Canyon Ratio): LA PALMA DE CERVELLO





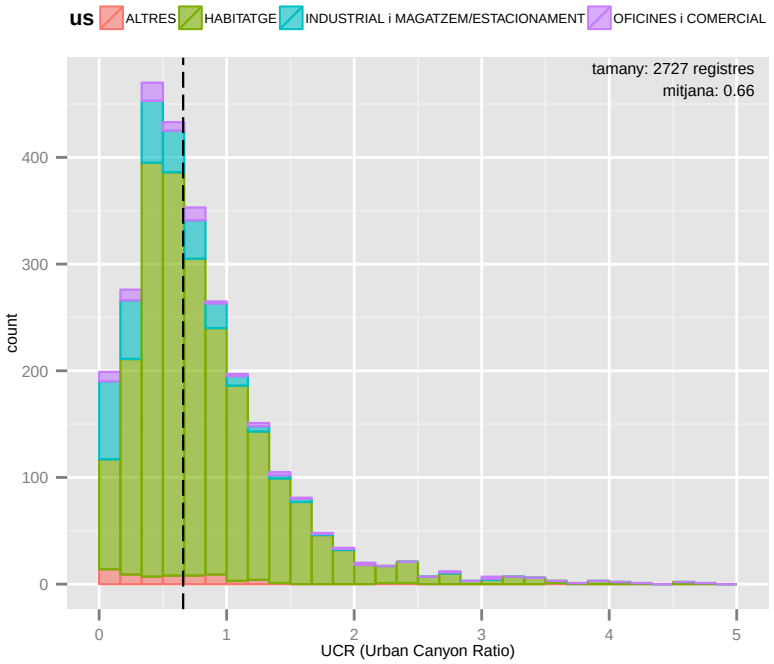


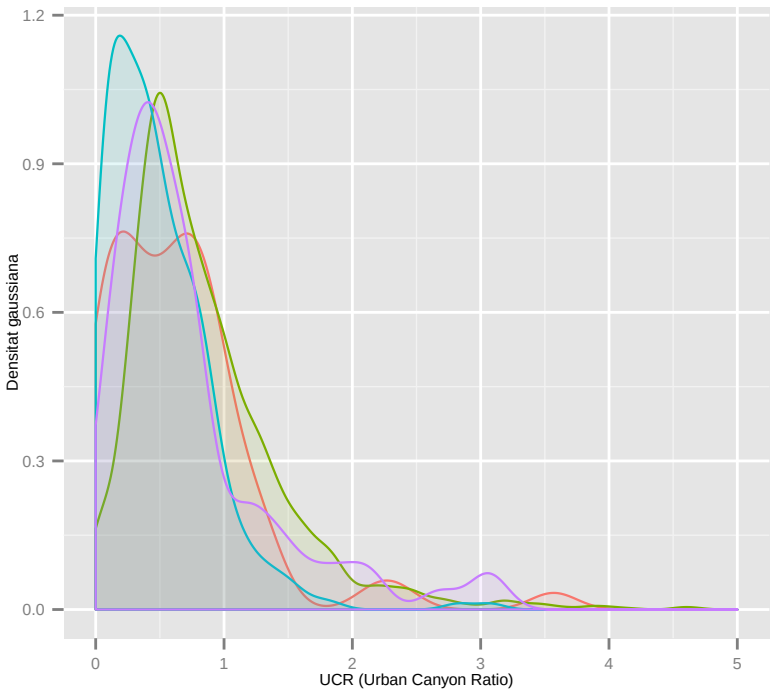


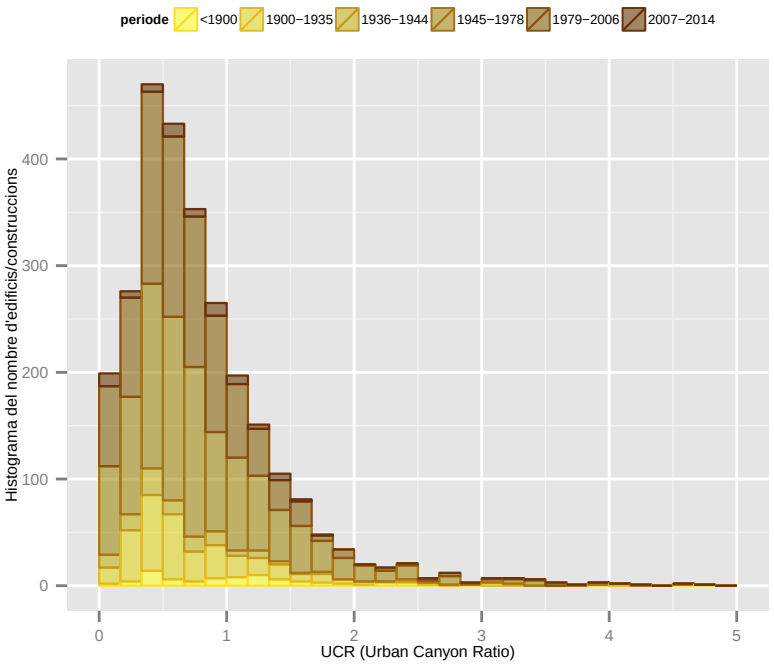


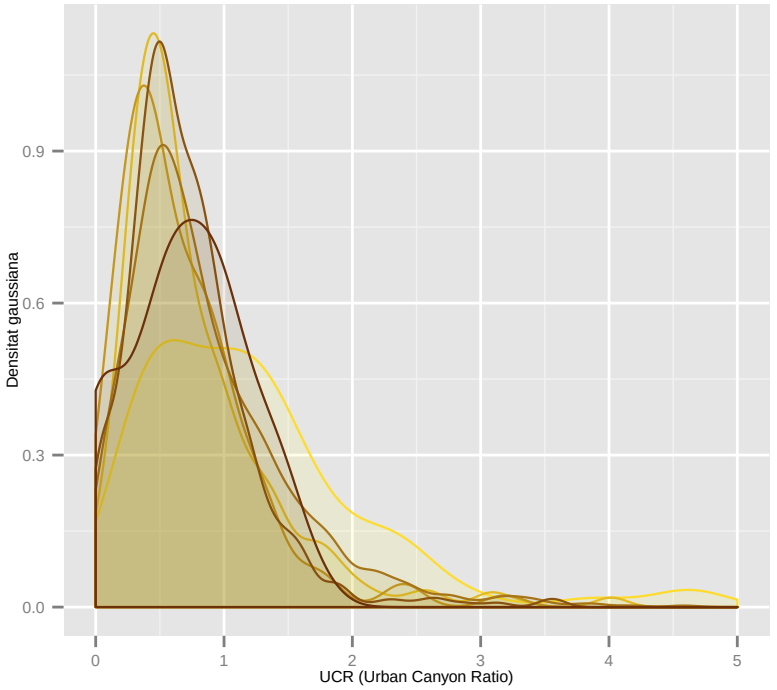
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

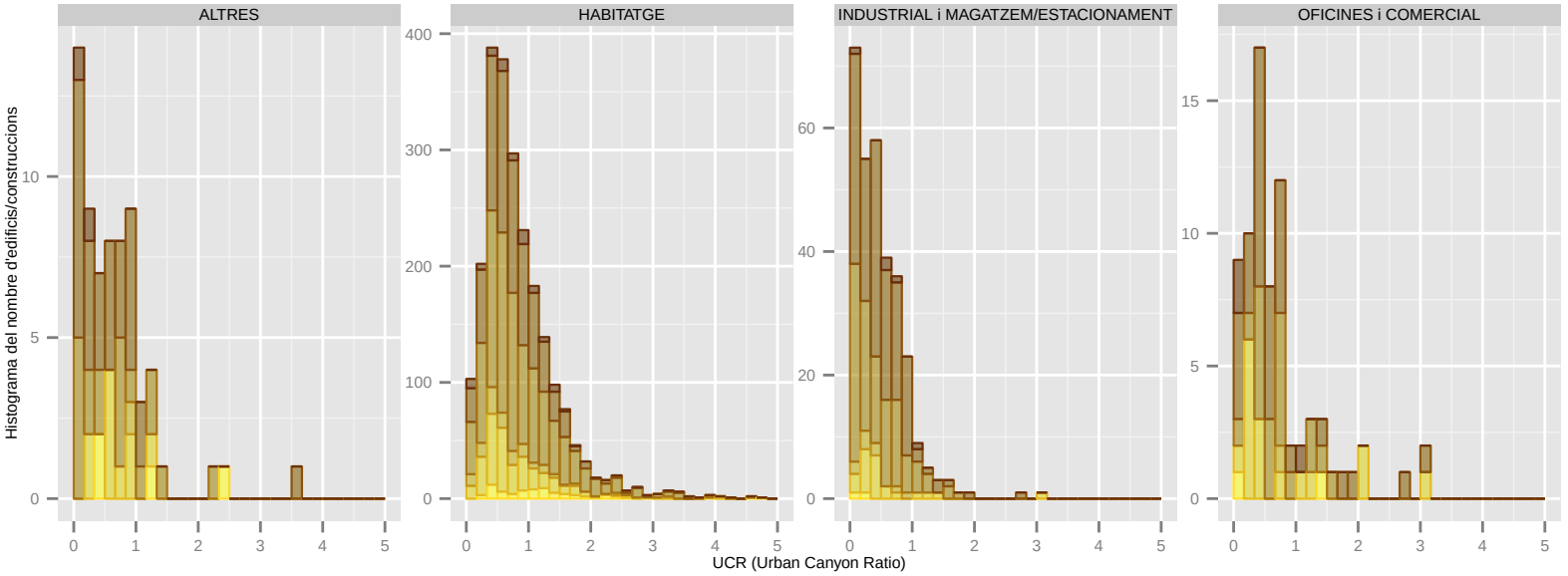
UCR (Urban Canyon Ratio): MOLINS DE REI





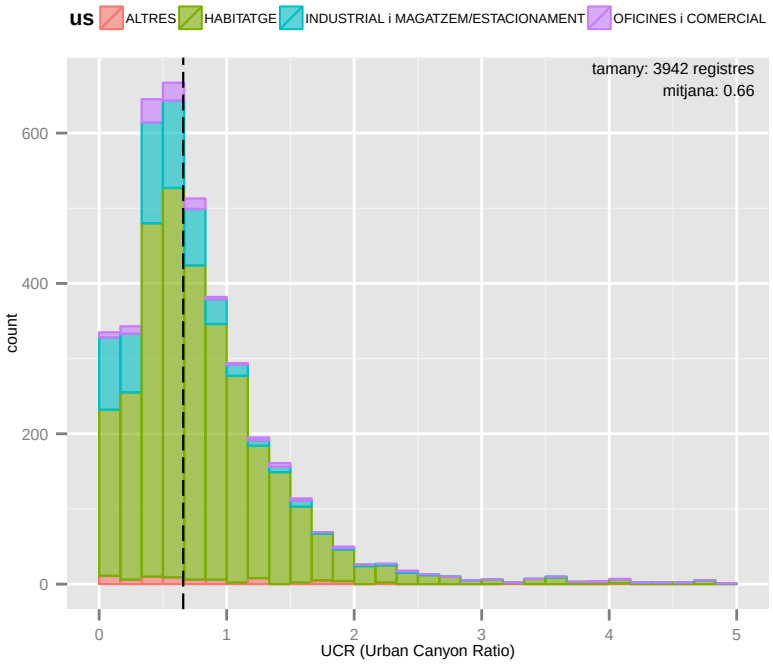


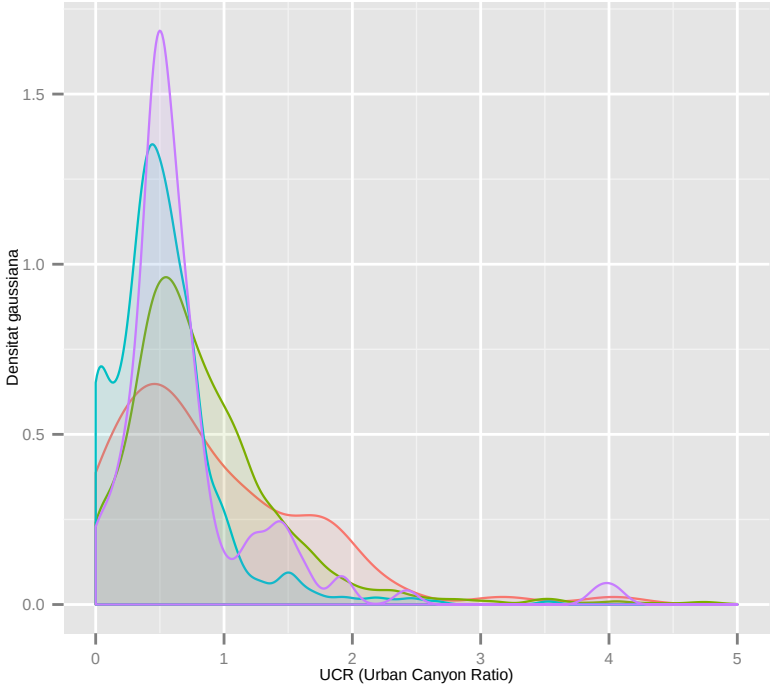


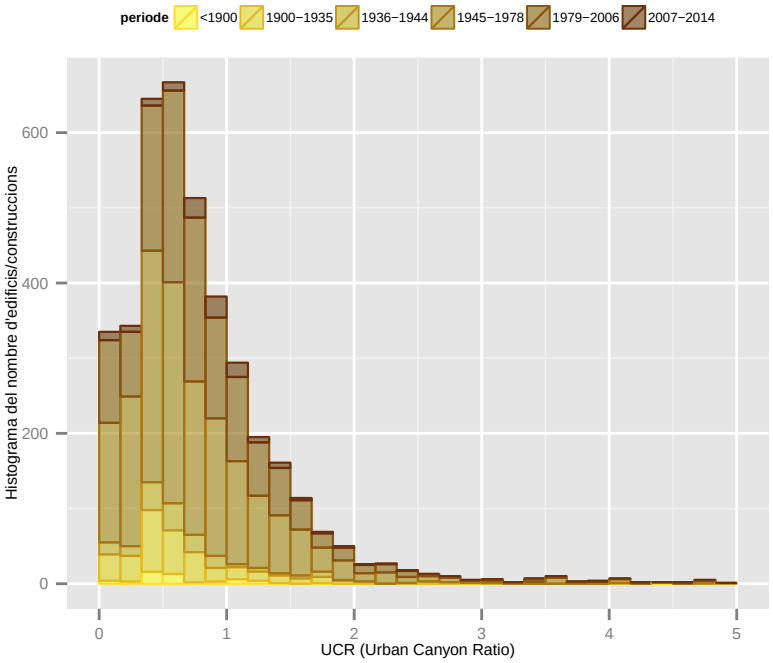


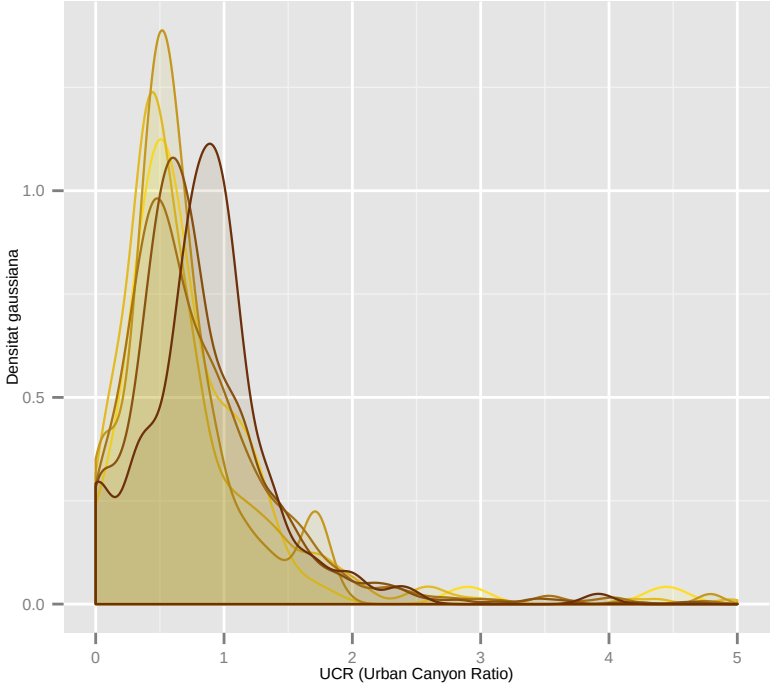
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

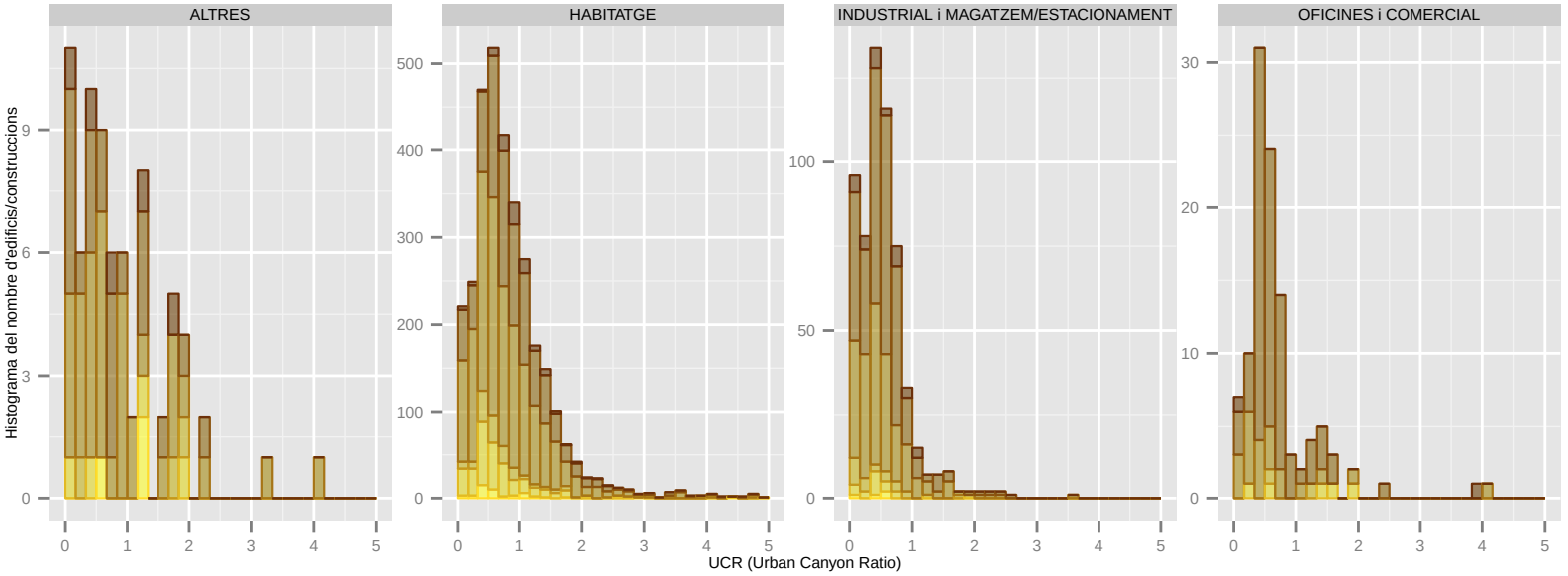
UCR (Urban Canyon Ratio): MONTCADA I REIXAC





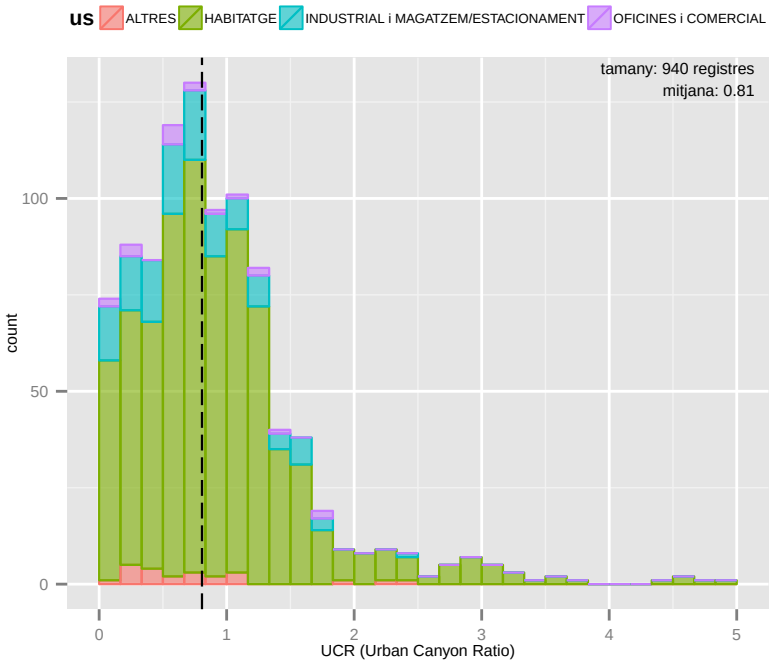


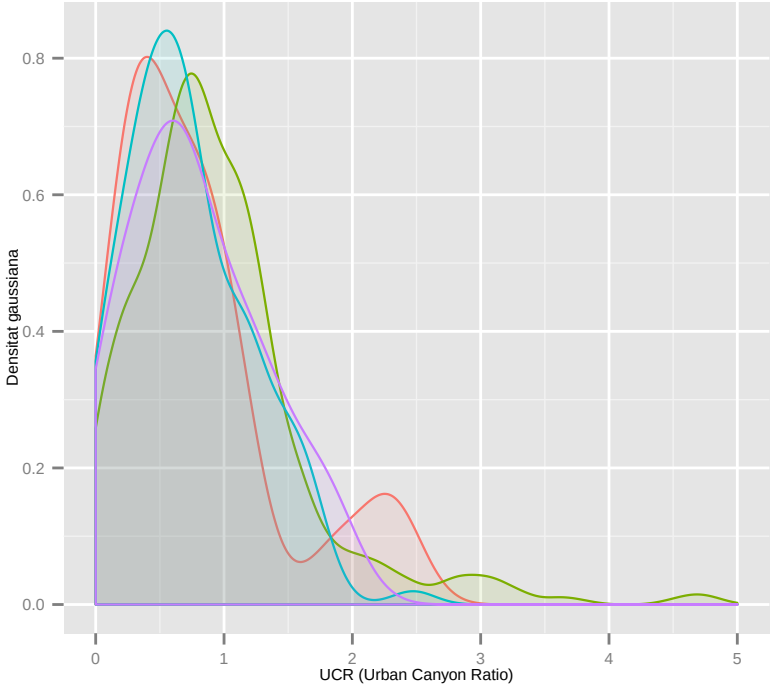


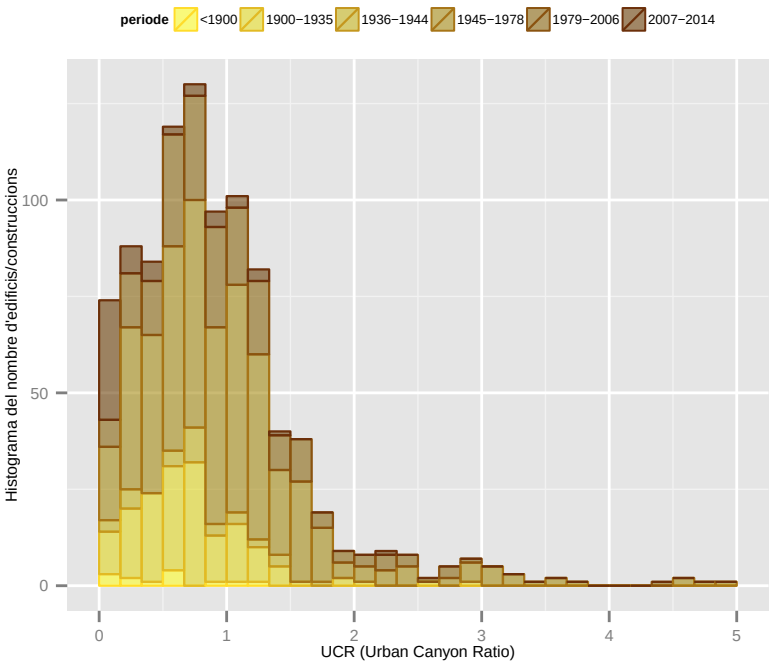


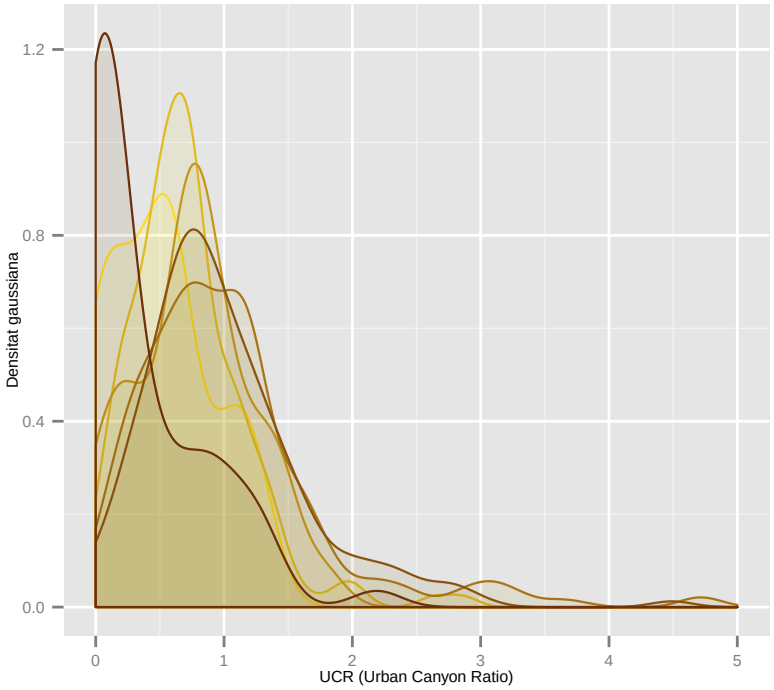
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

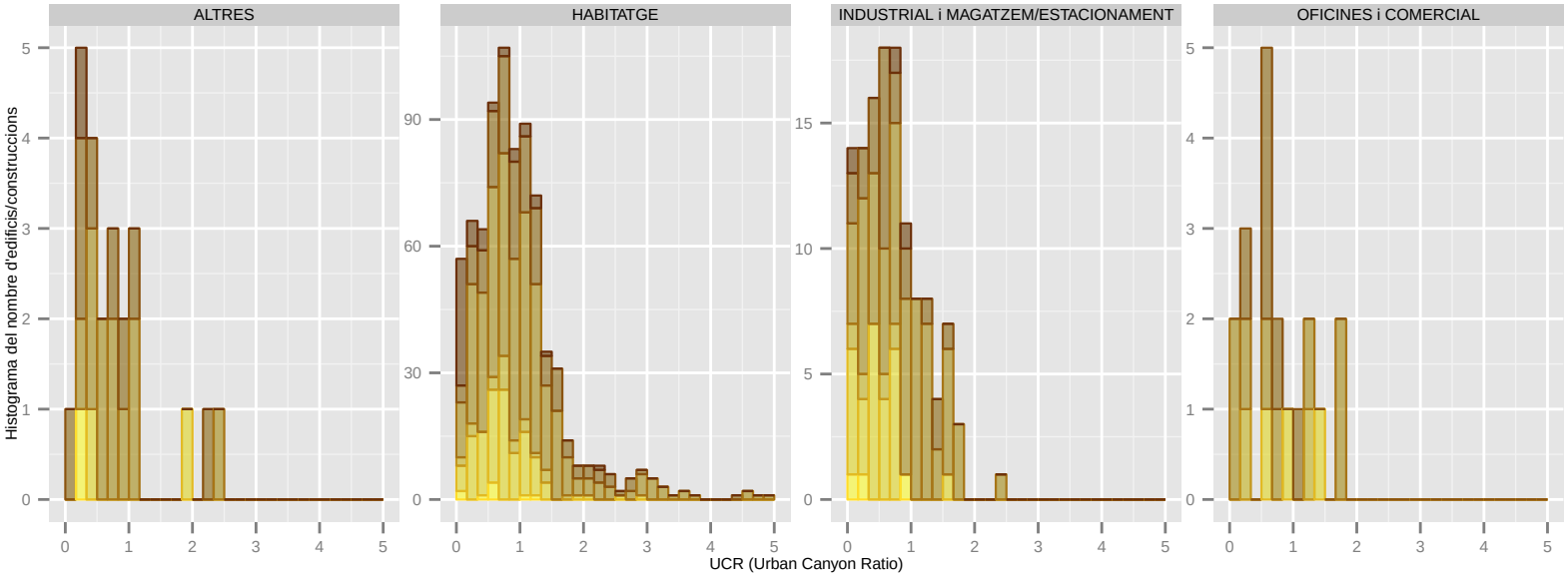
UCR (Urban Canyon Ratio): MONTGAT





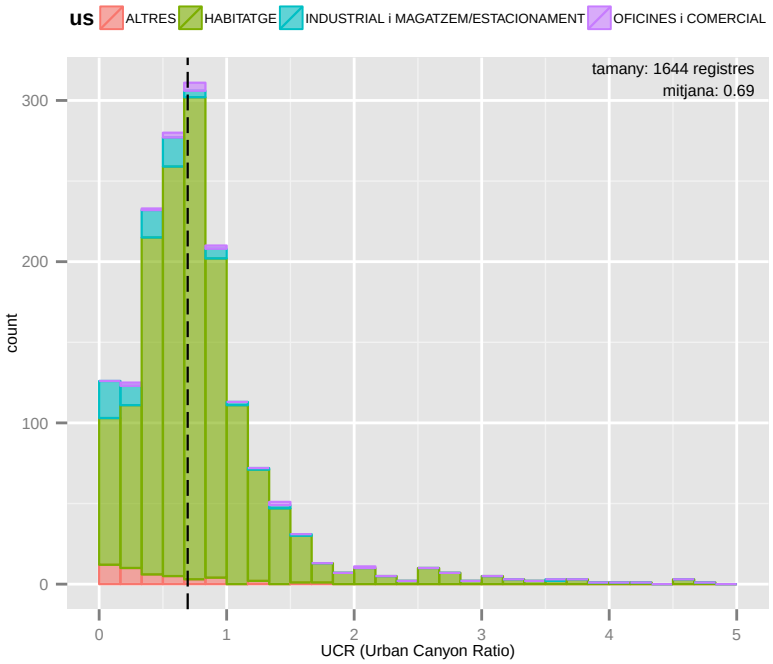


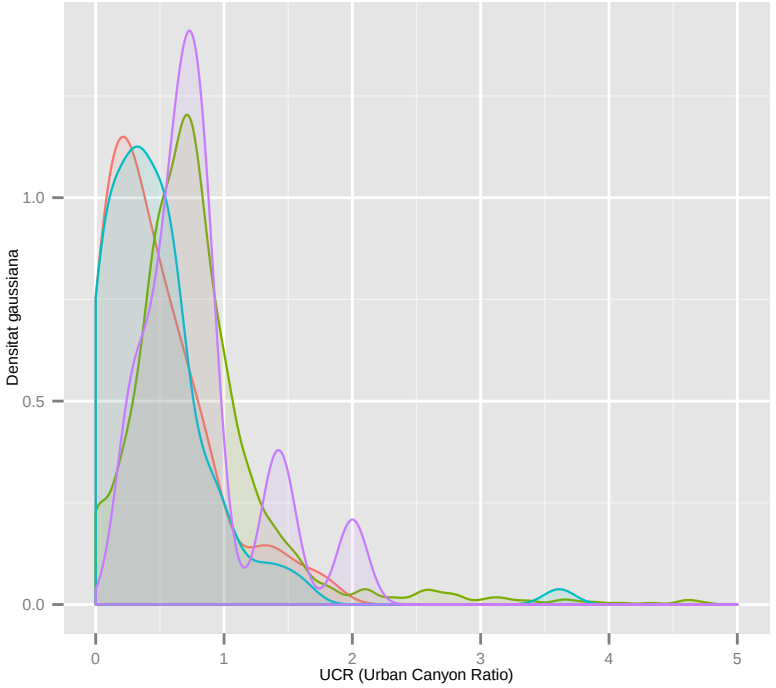


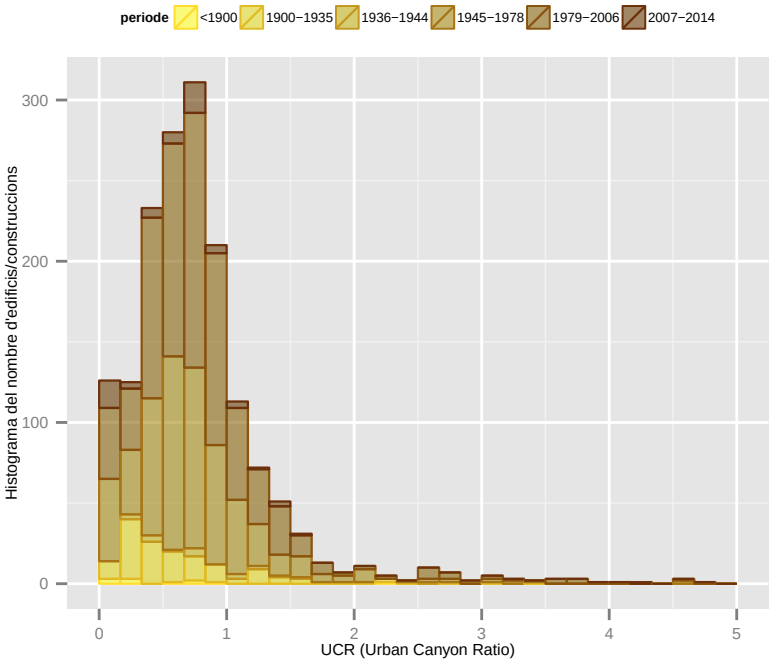


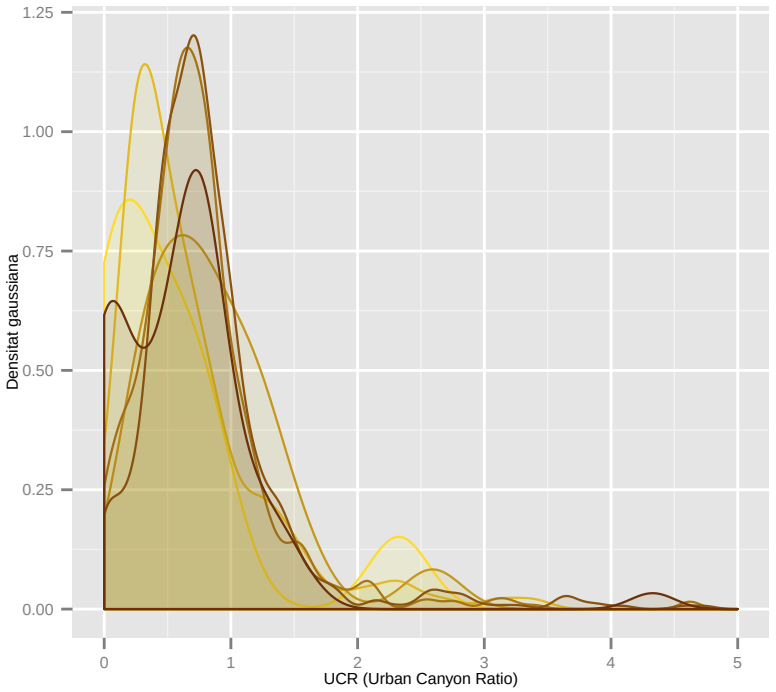
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

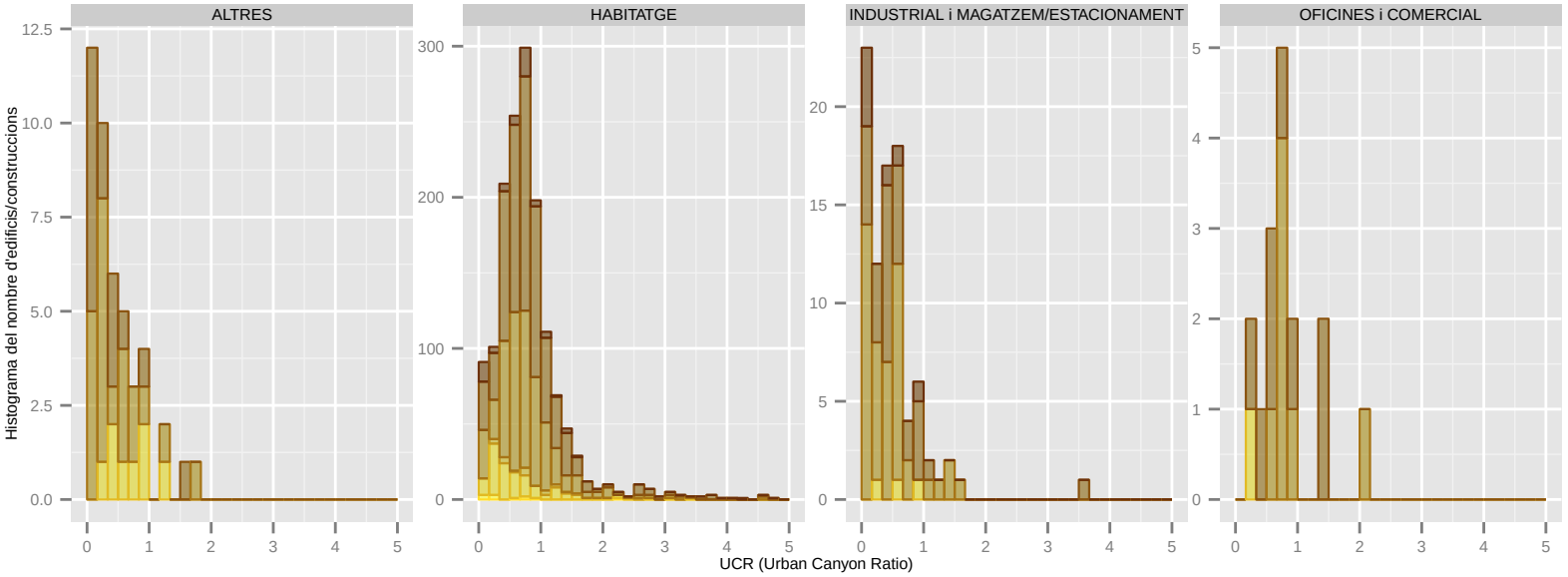
UCR (Urban Canyon Ratio): PALLEJA





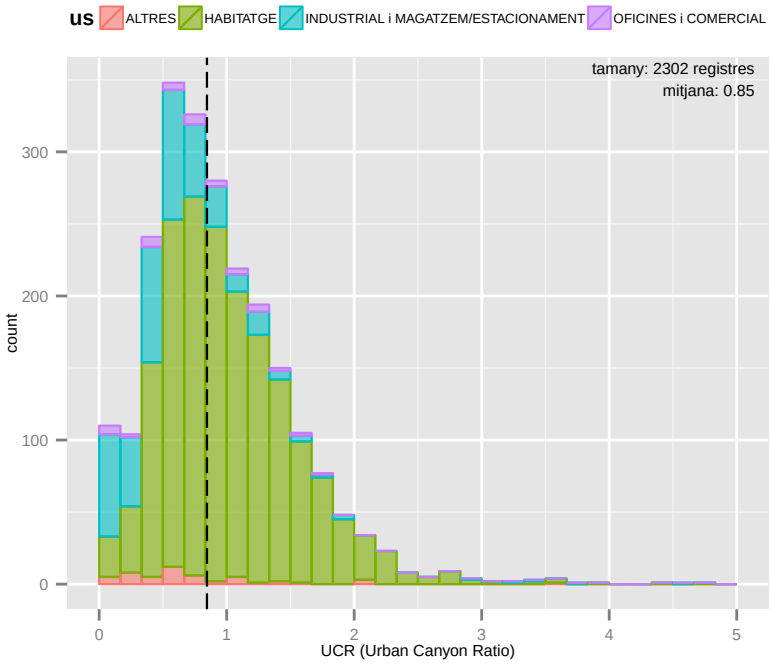


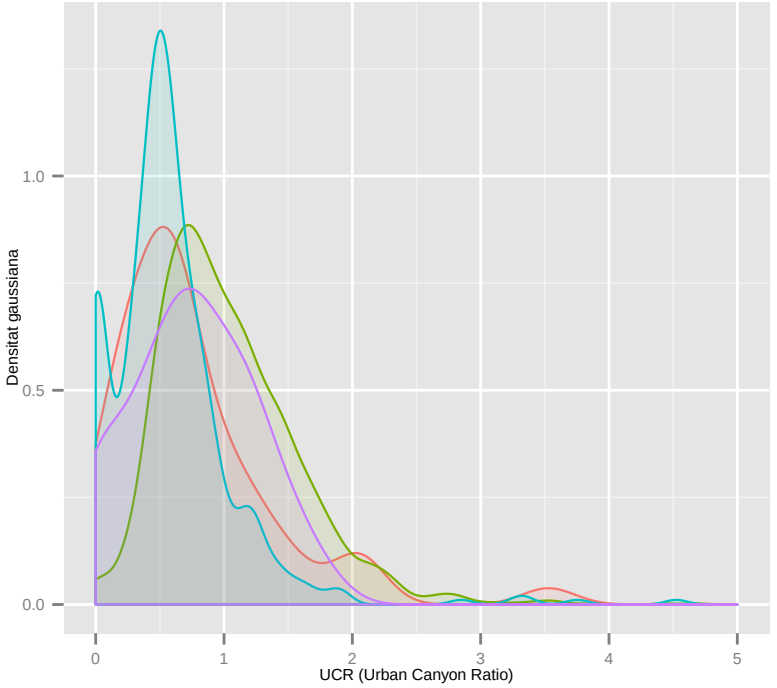


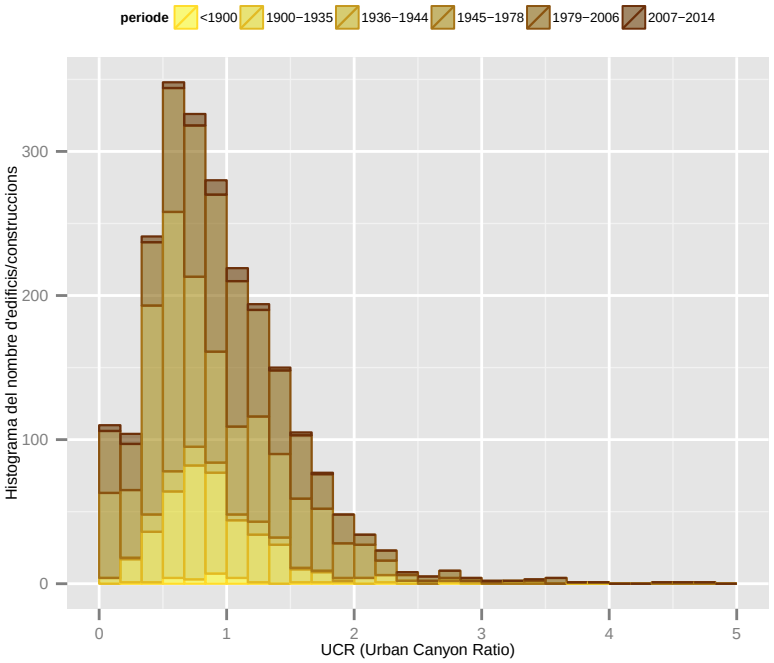


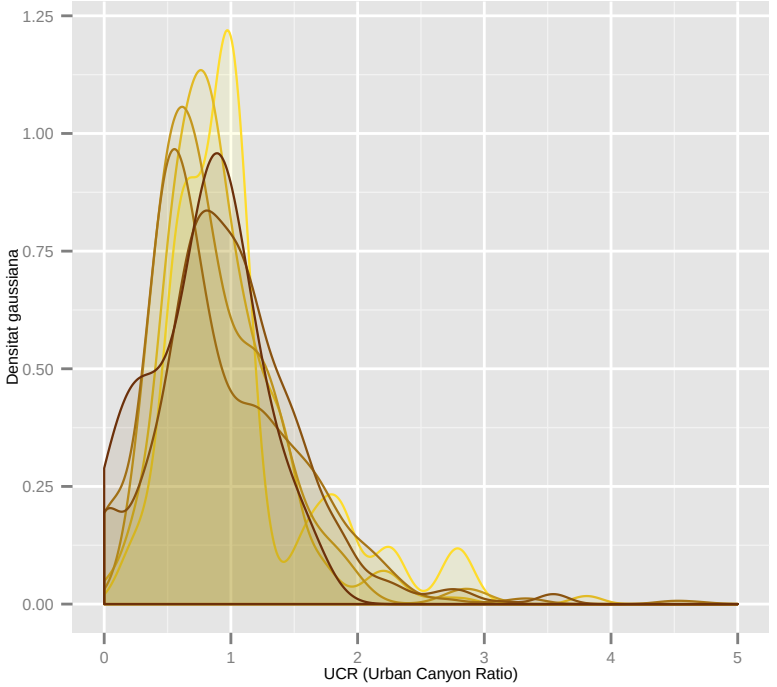
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

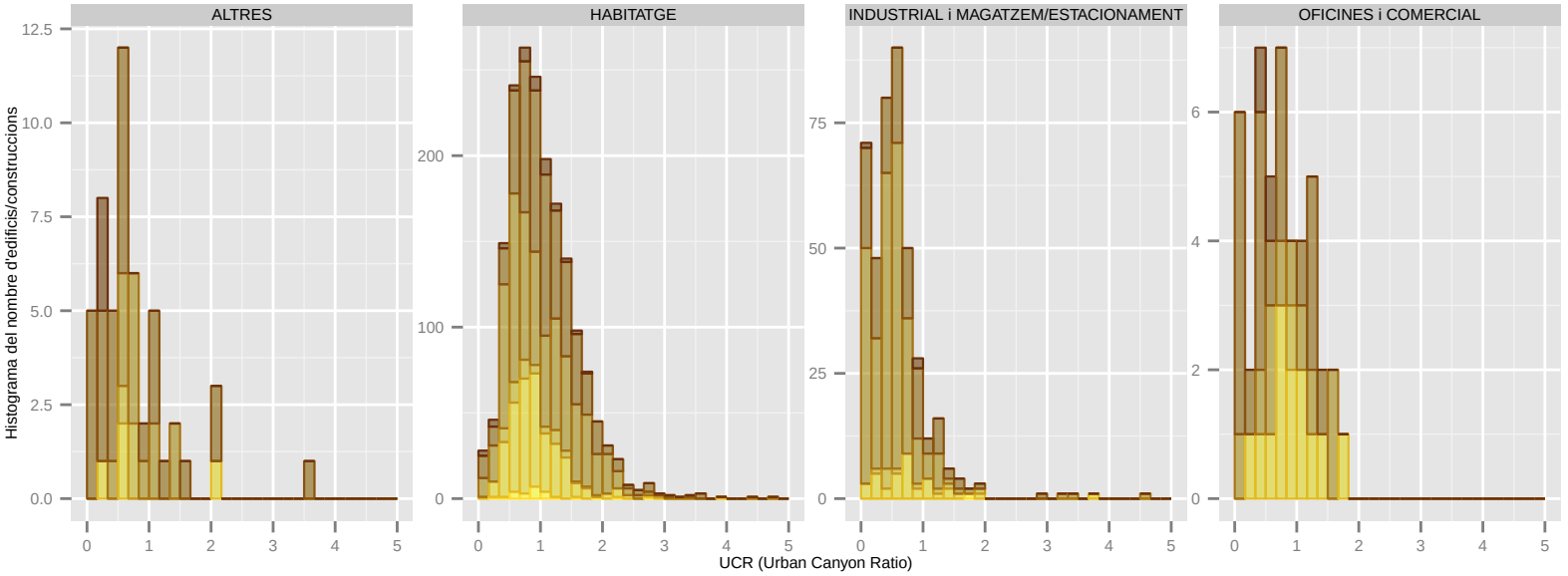
UCR (Urban Canyon Ratio): RIPOLLET





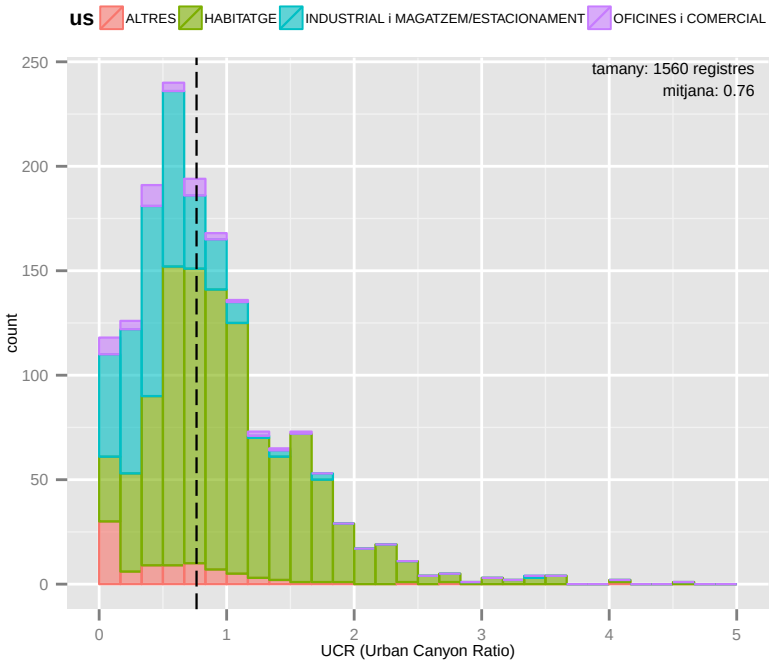


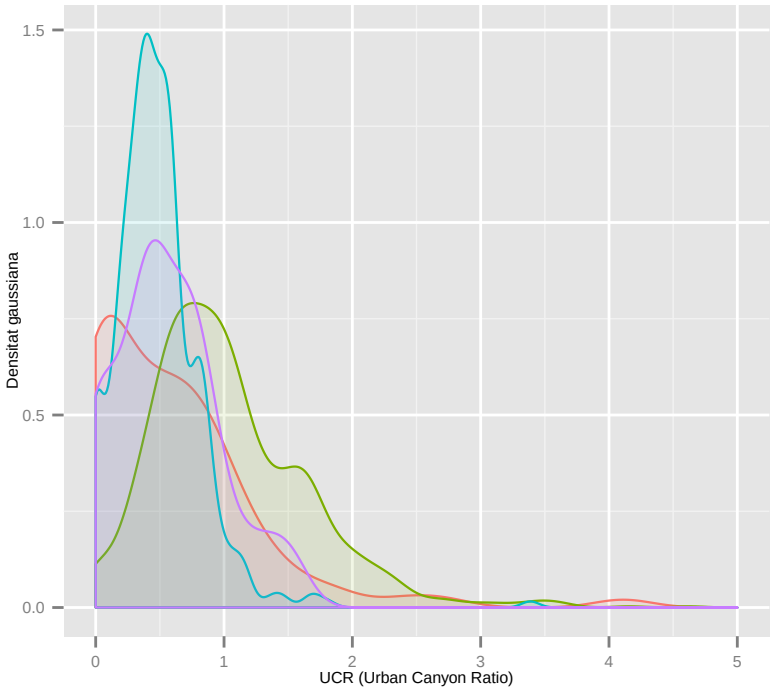


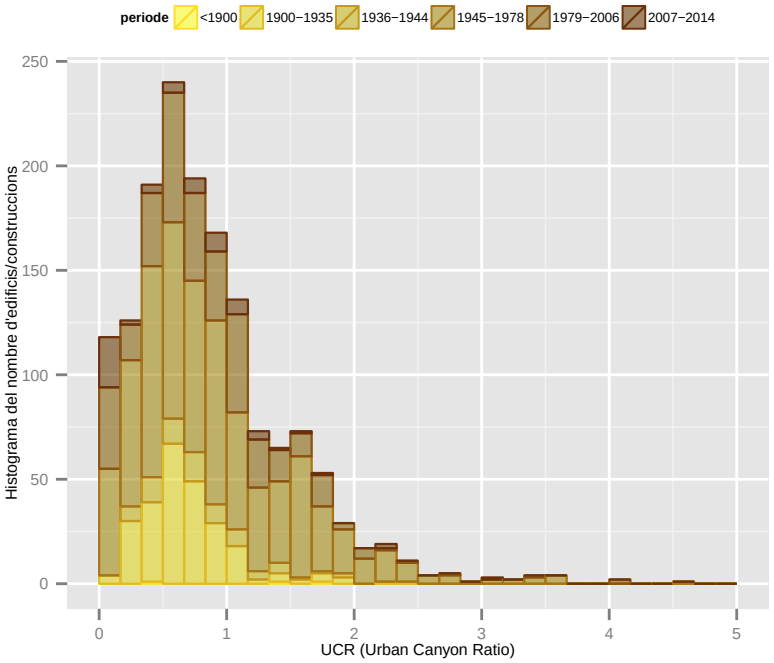


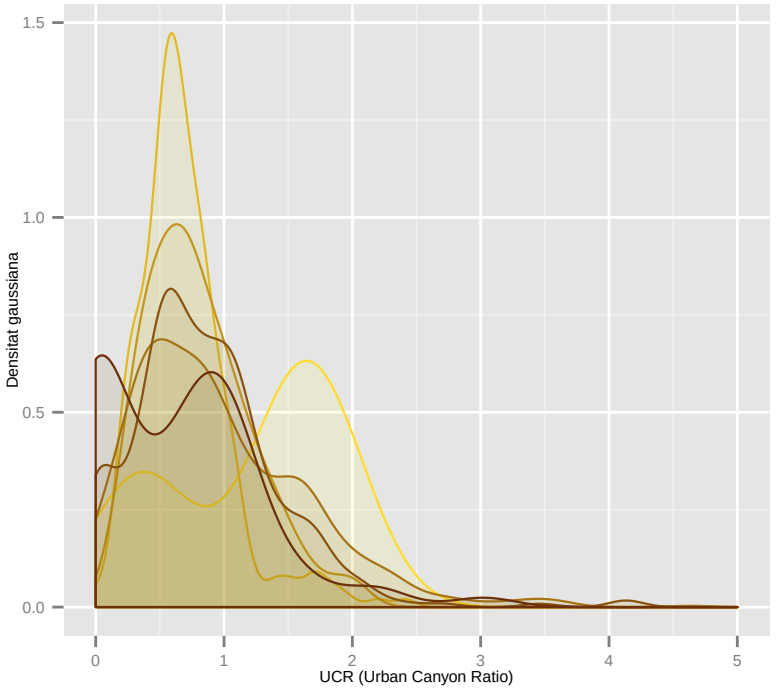
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

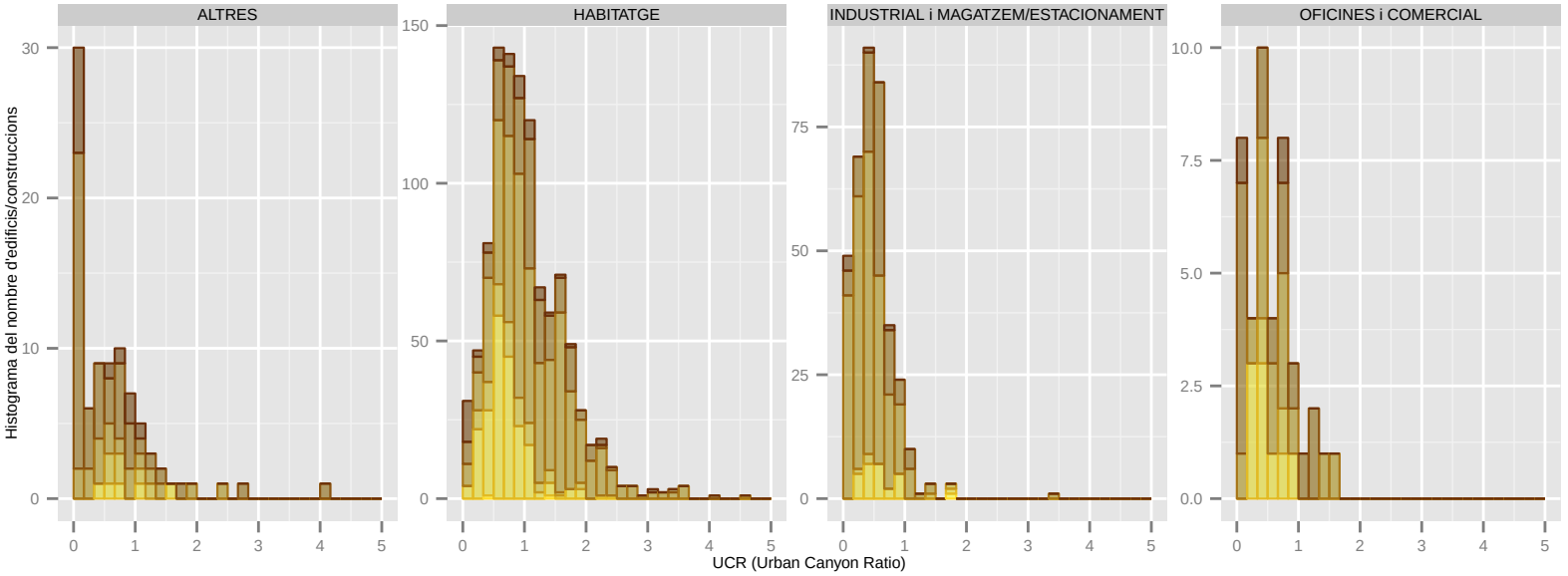
UCR (Urban Canyon Ratio): SANT ADRIA DE BESOS





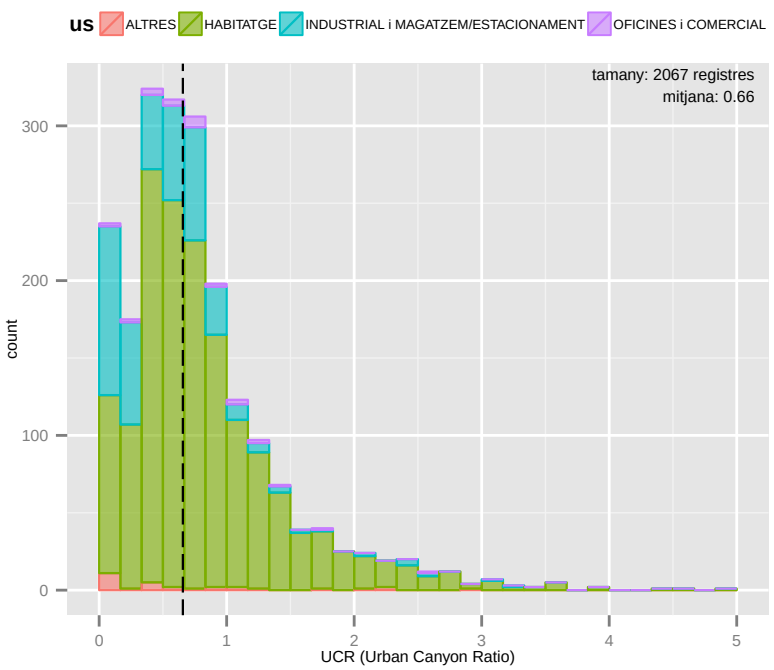


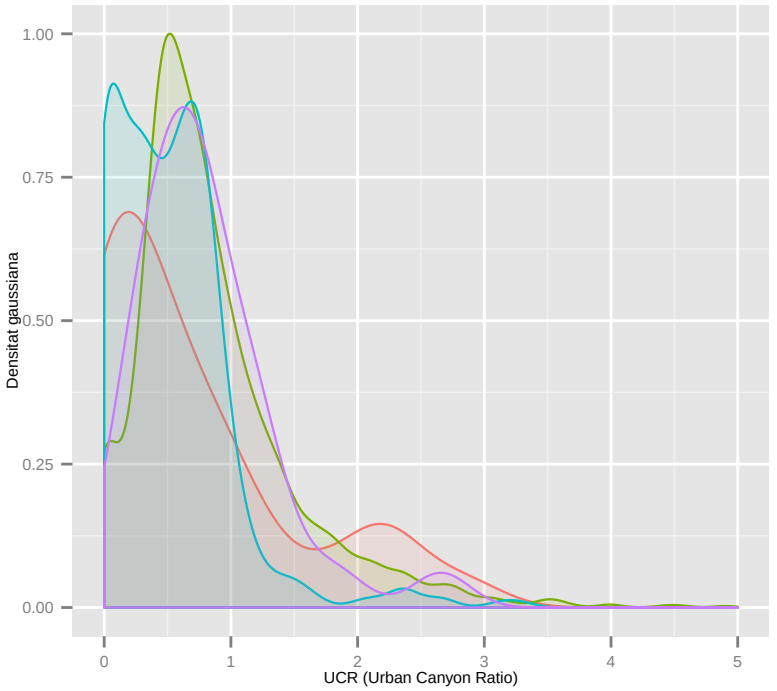


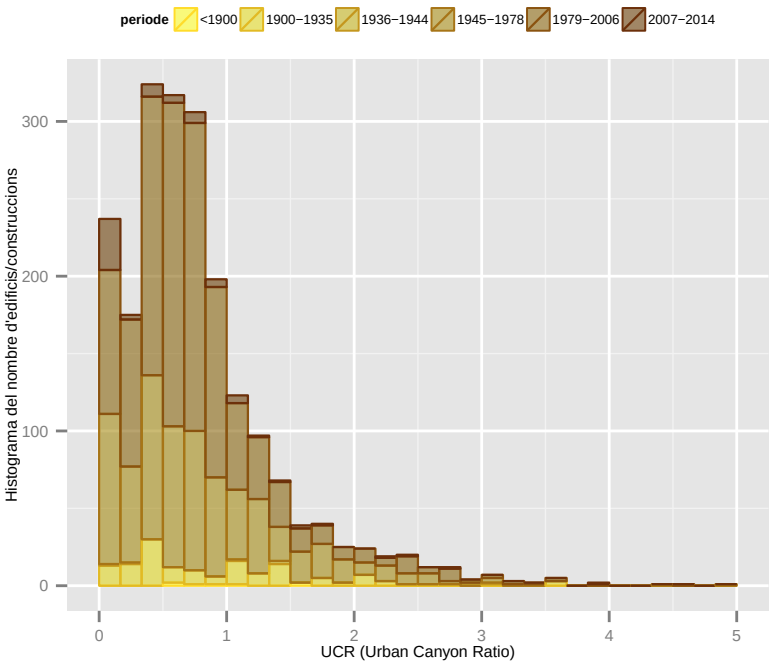


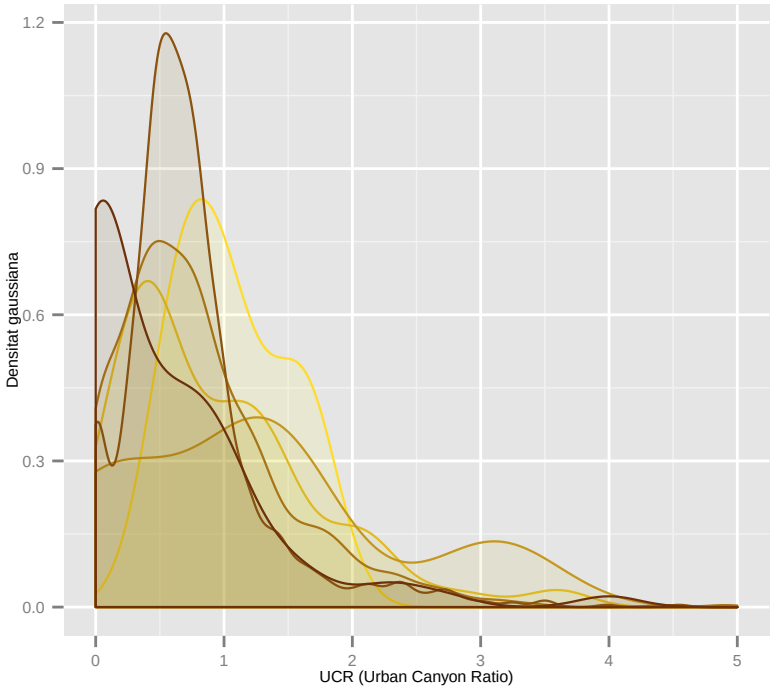
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

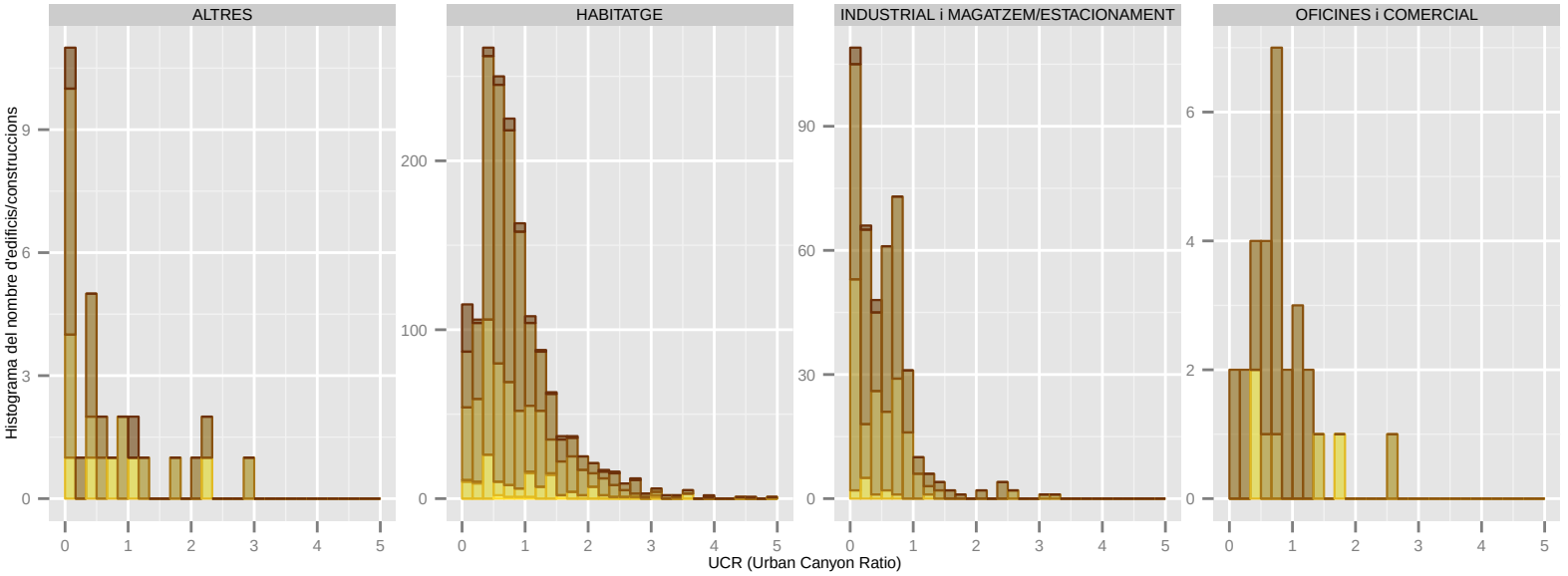
UCR (Urban Canyon Ratio): SANT ANDREU DE LA BARCA





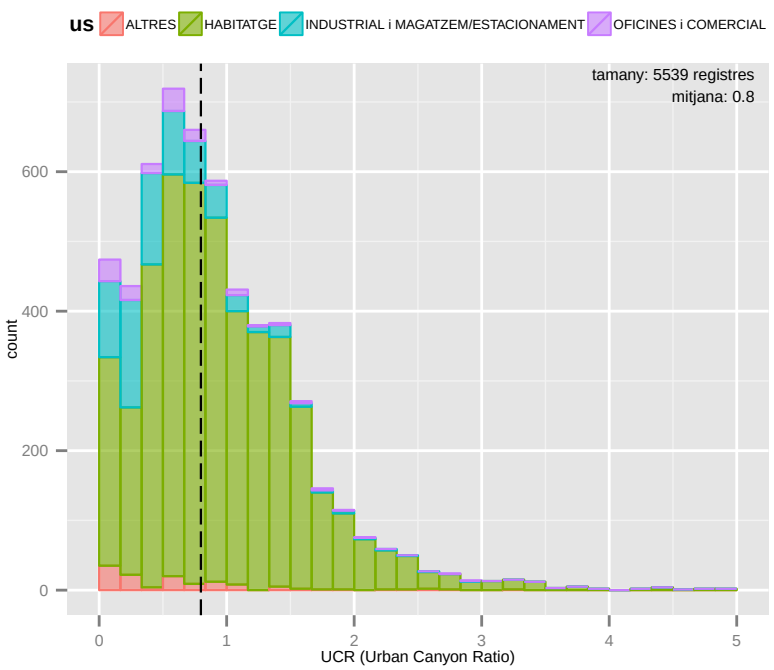


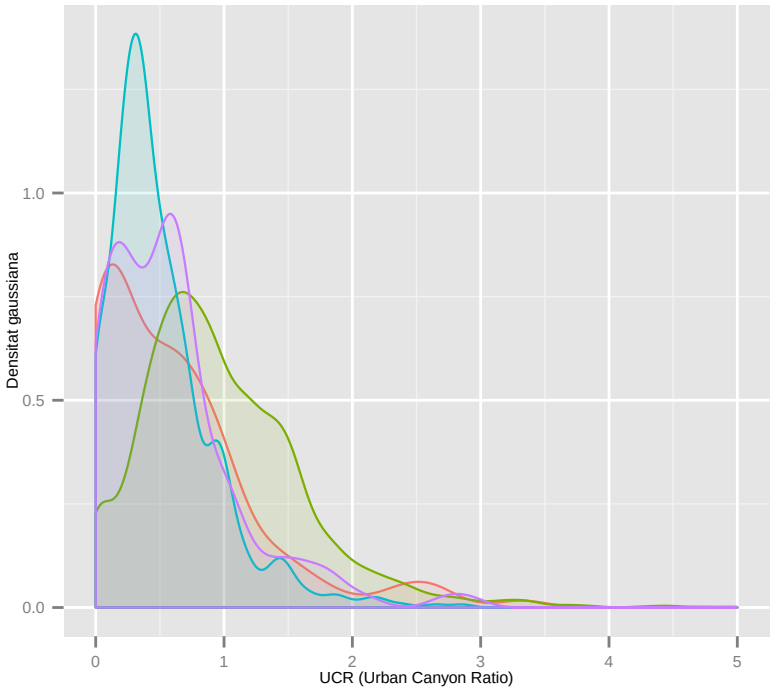


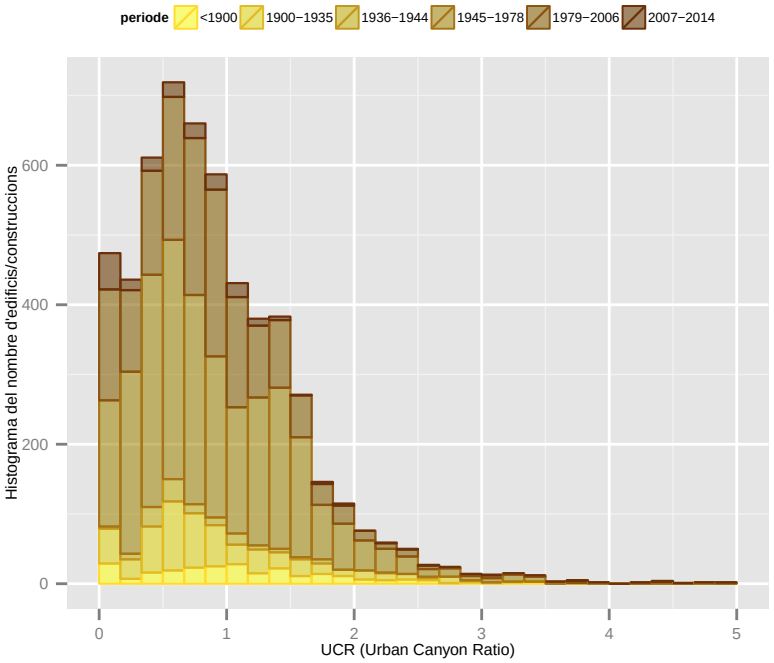


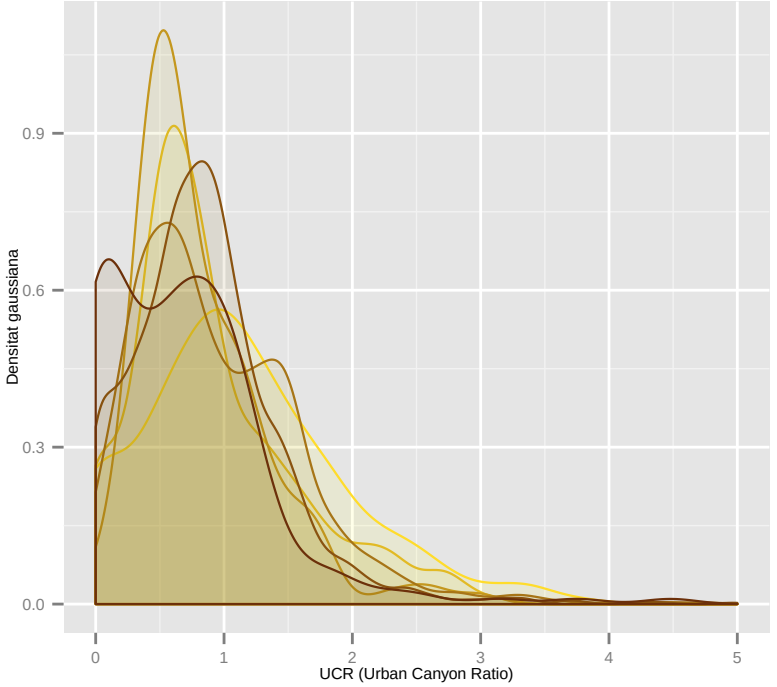
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

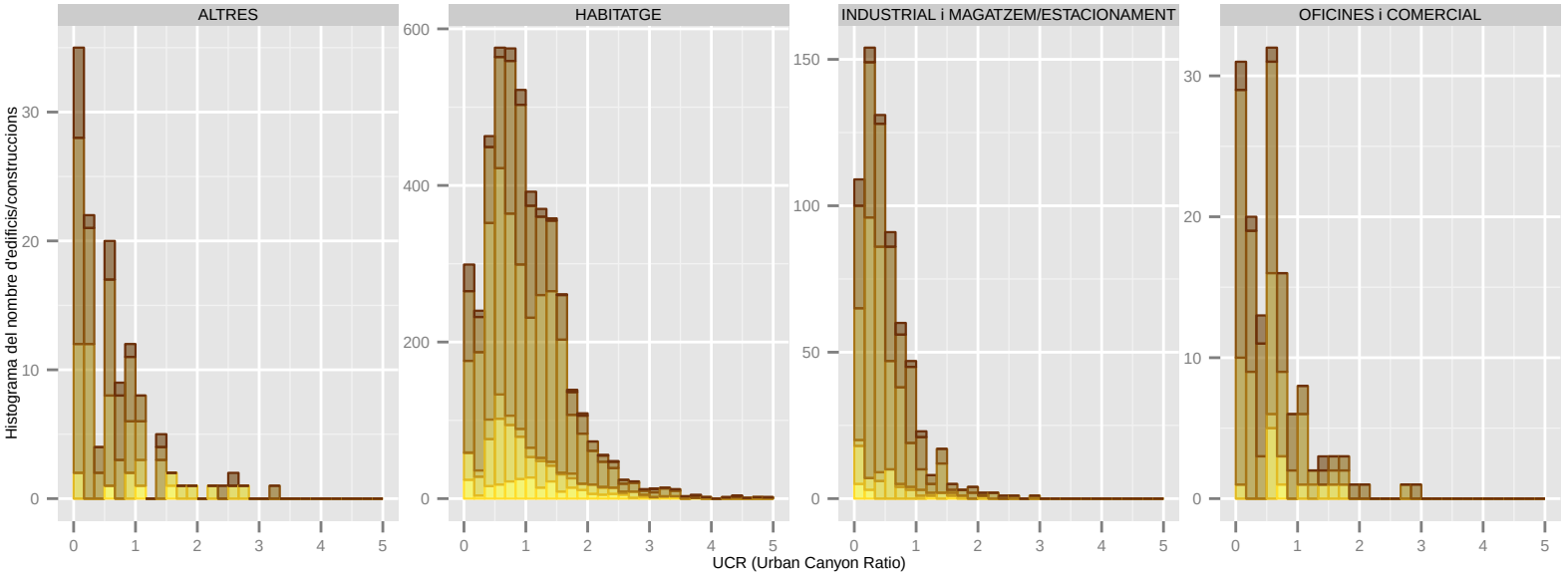
UCR (Urban Canyon Ratio): SANT BOI DE LLOBREGAT





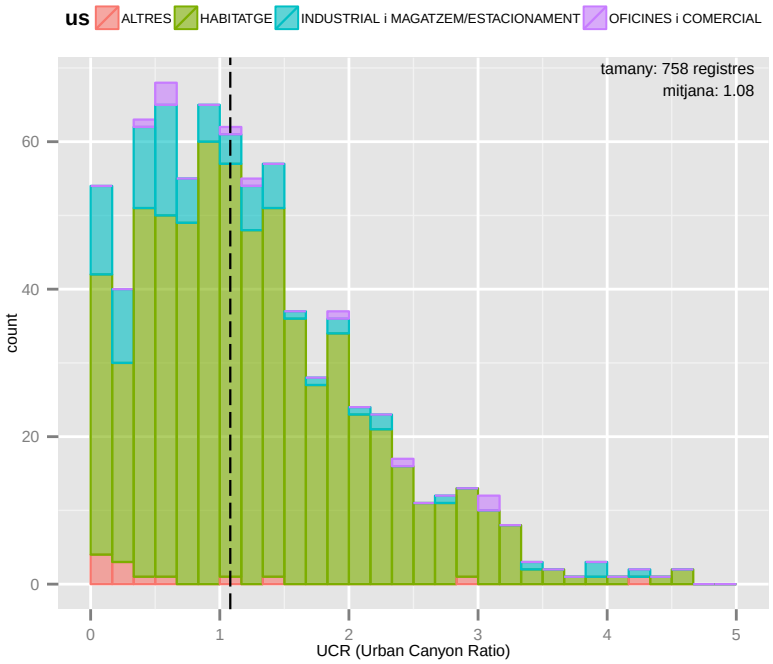


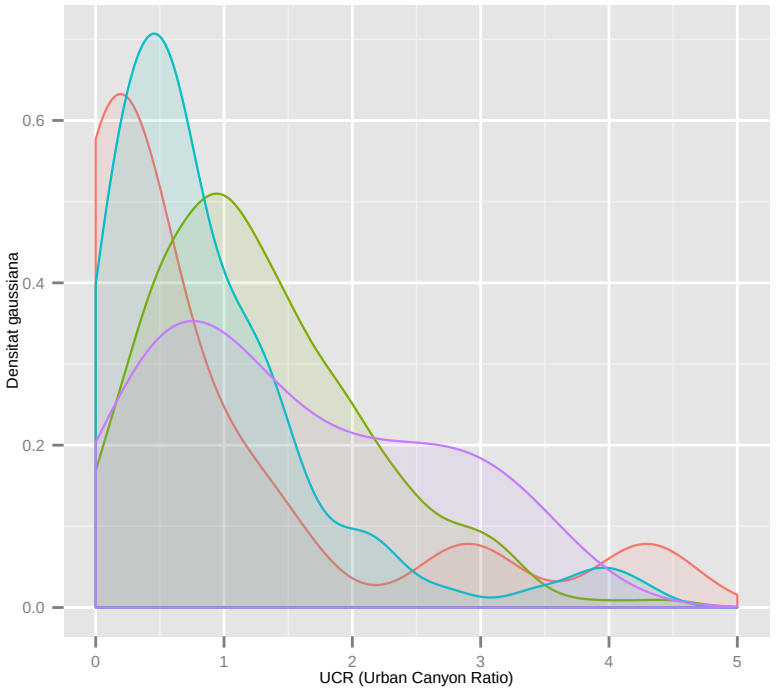


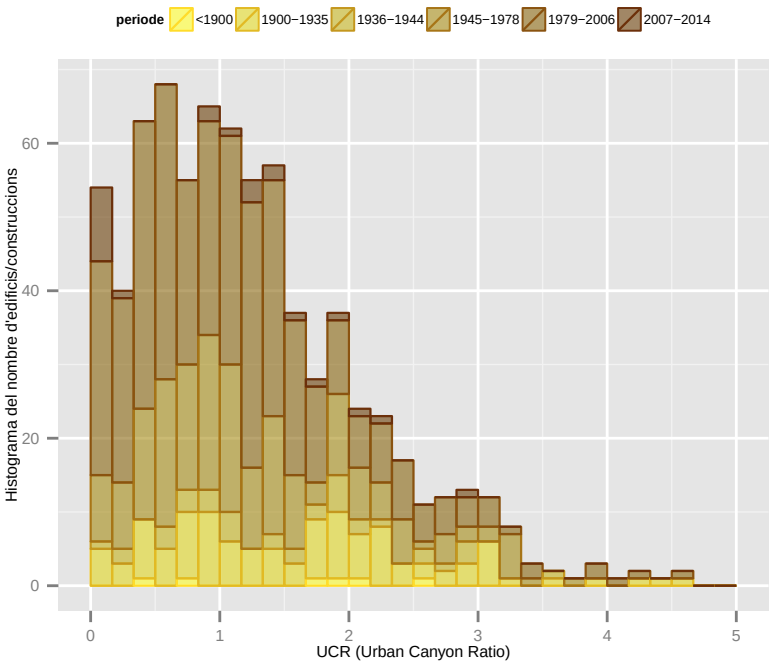


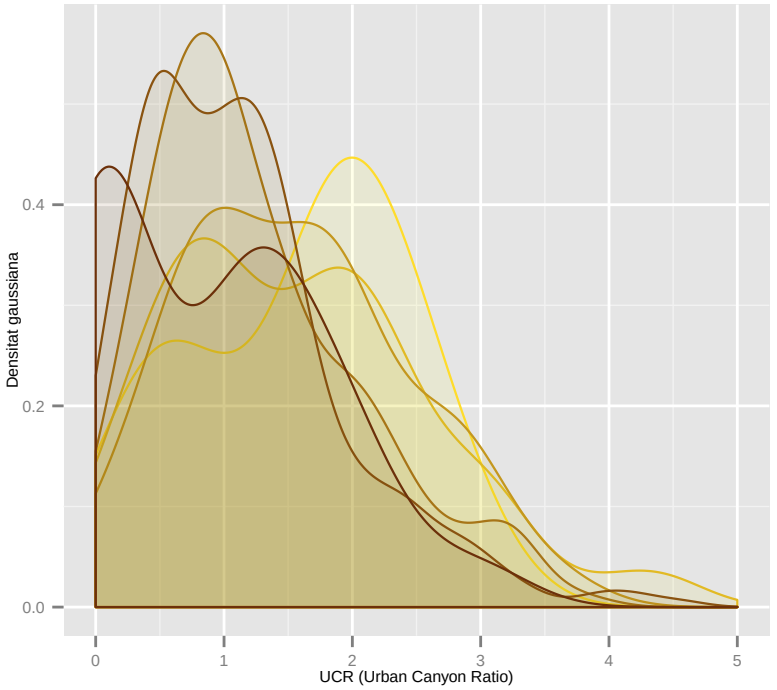
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

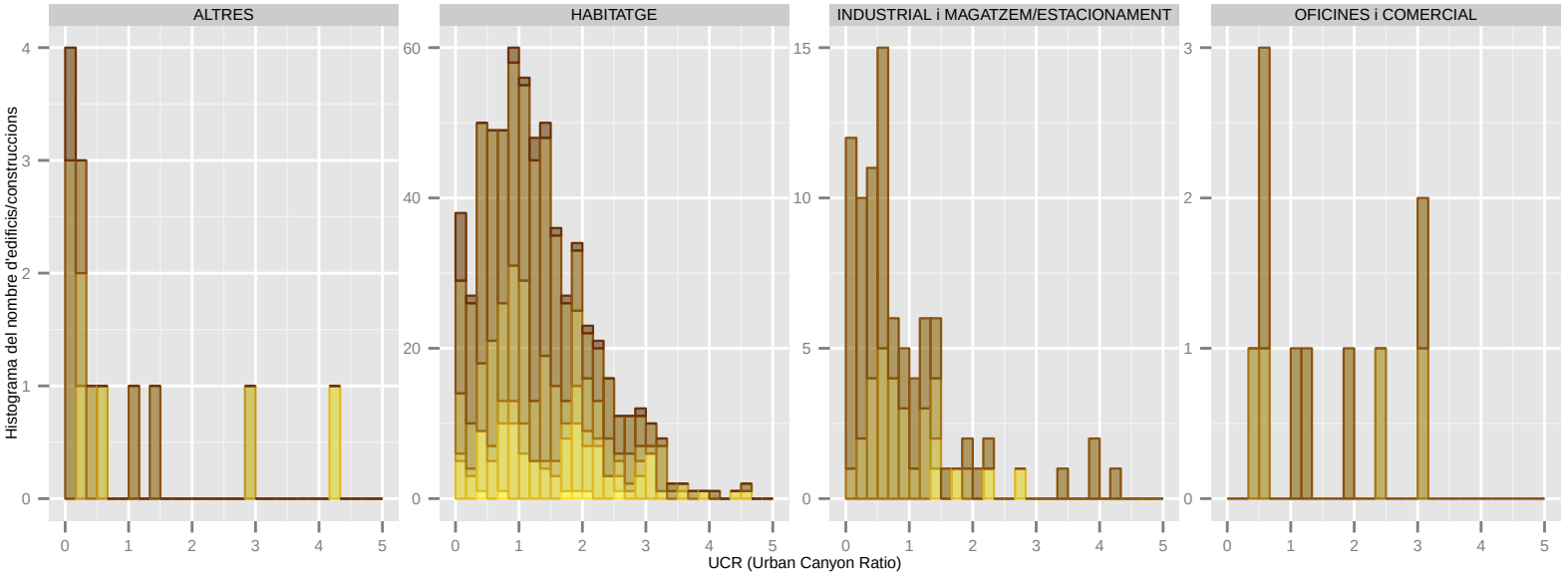
UCR (Urban Canyon Ratio): SANT CLIMENT DE LLOBREGAT





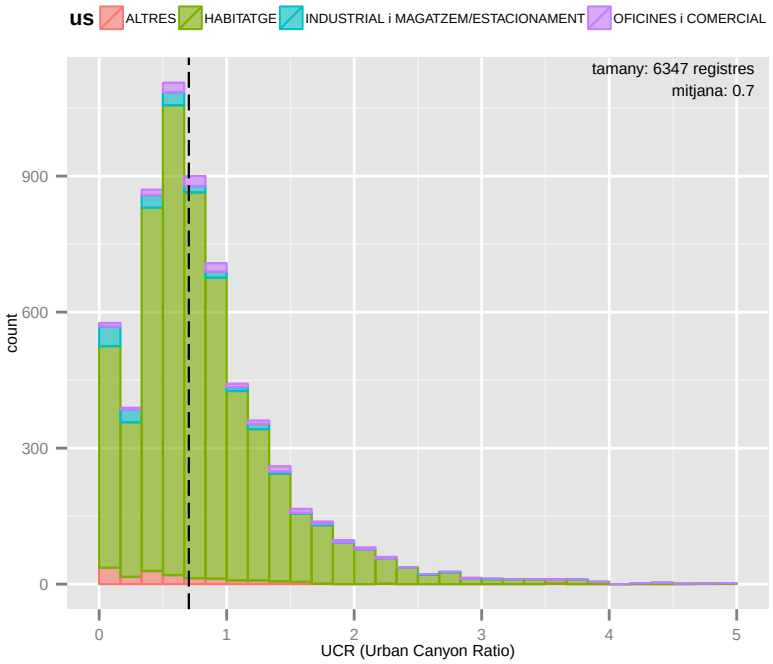


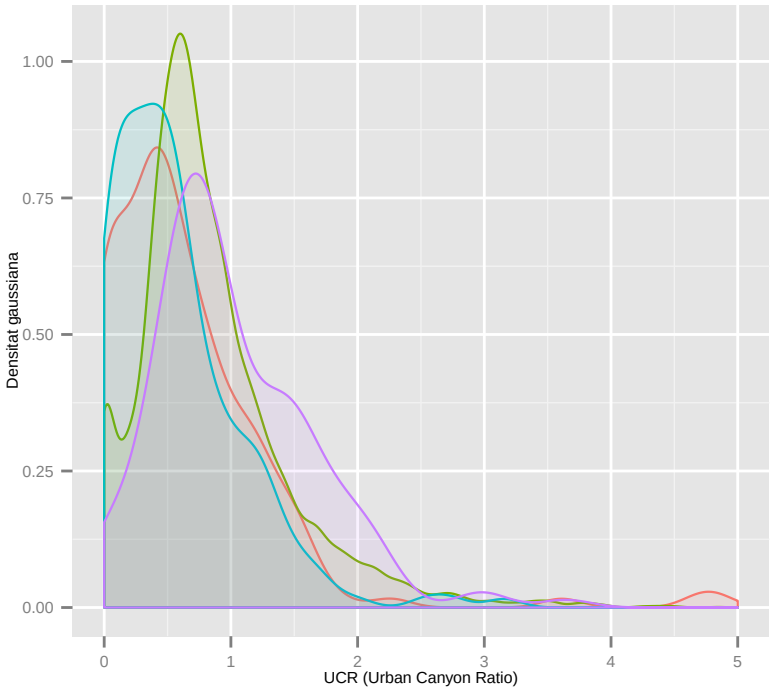


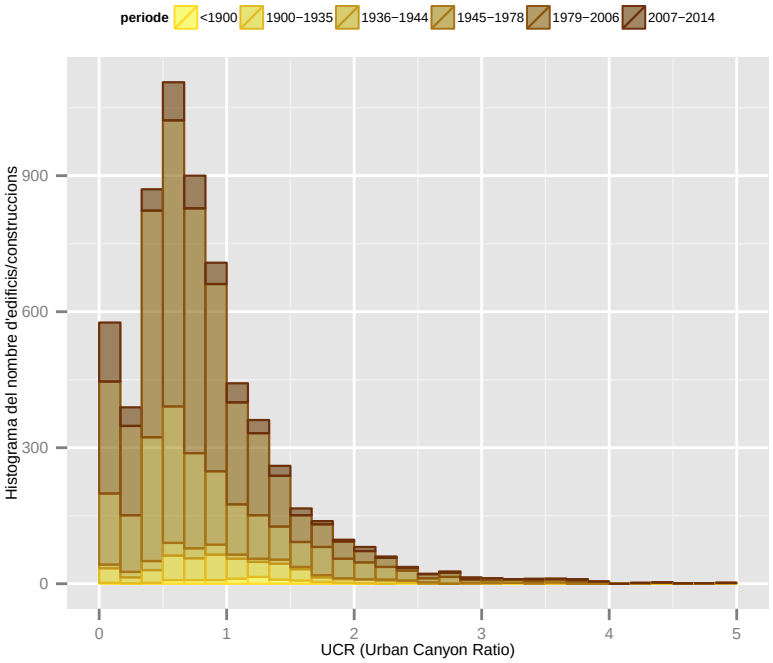


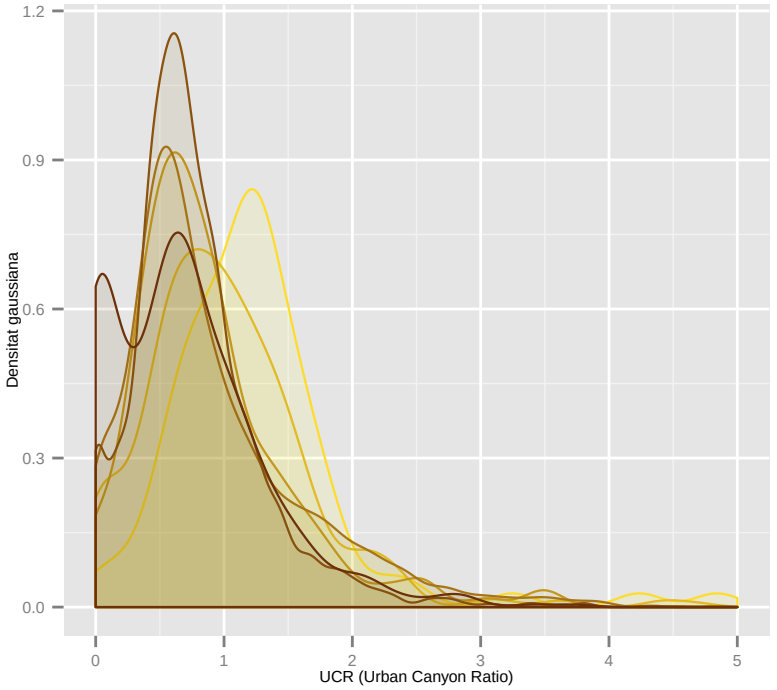
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

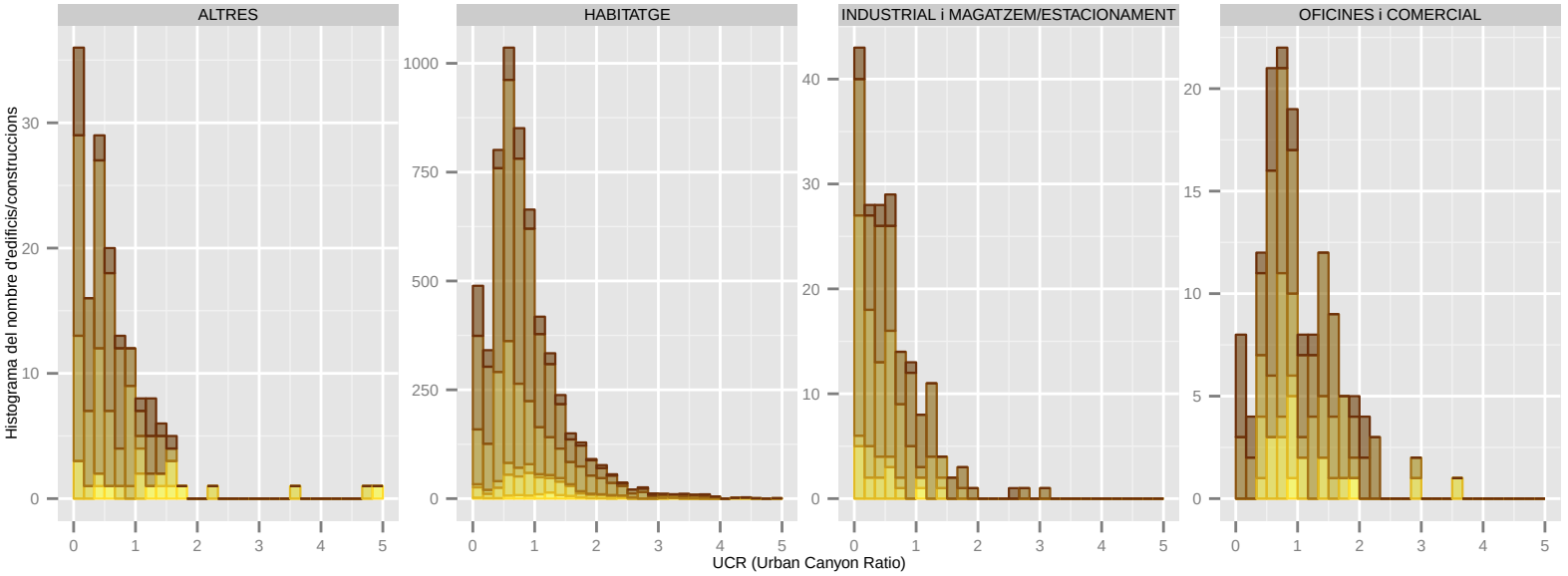
UCR (Urban Canyon Ratio): SANT CUGAT DEL VALLES





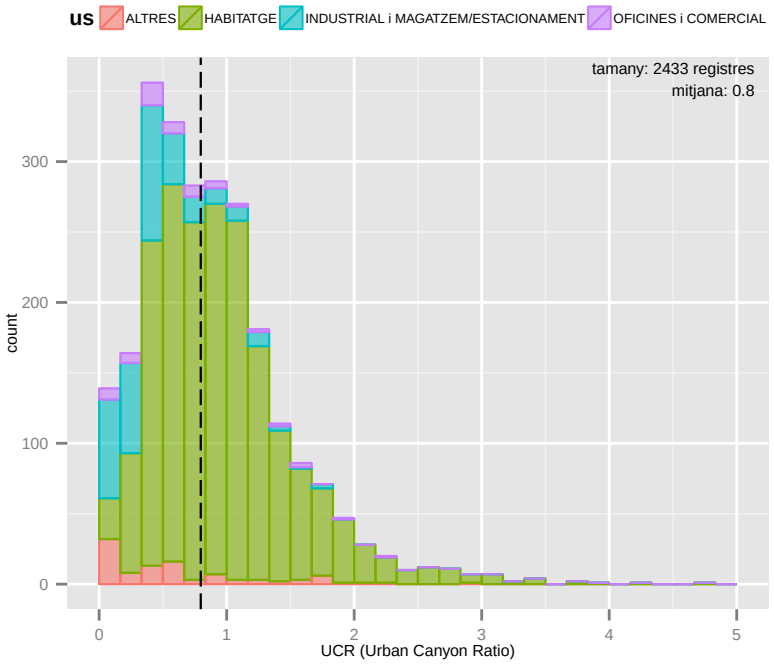


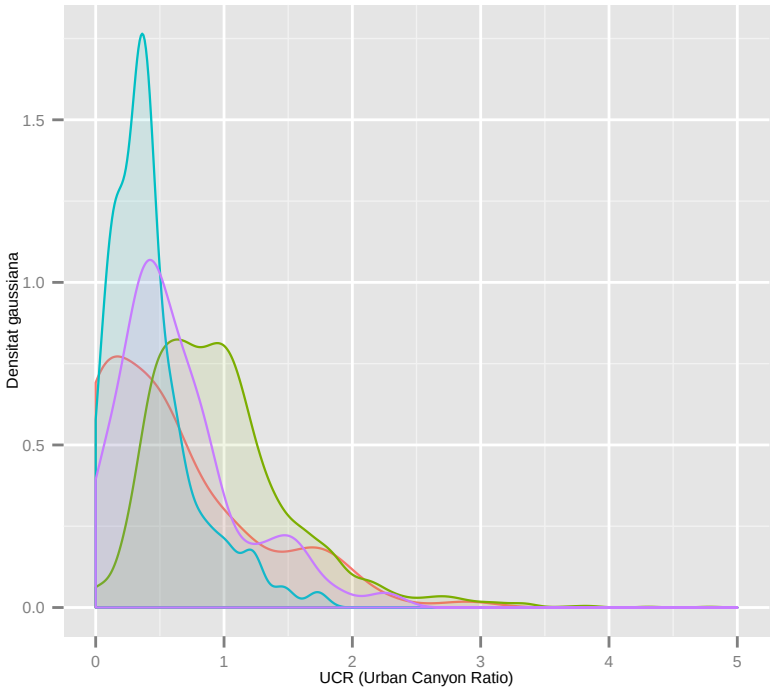


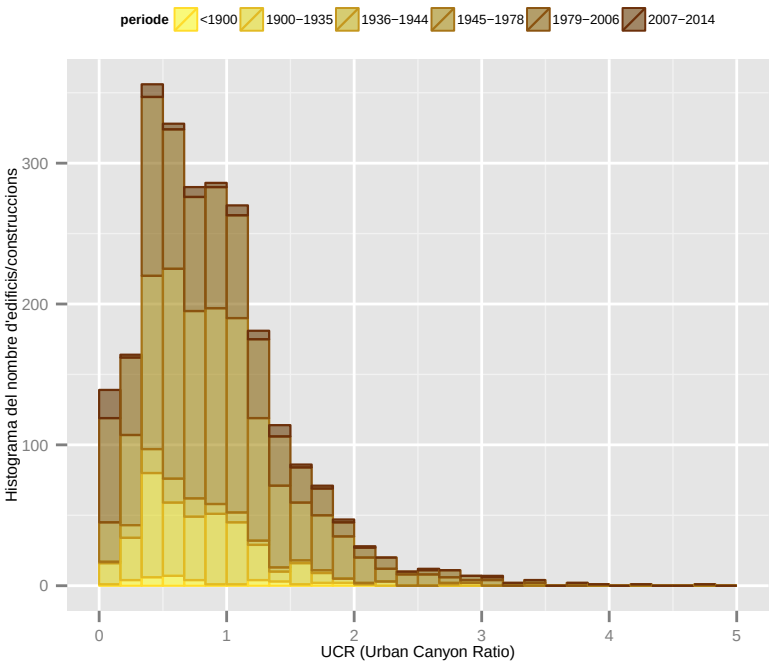


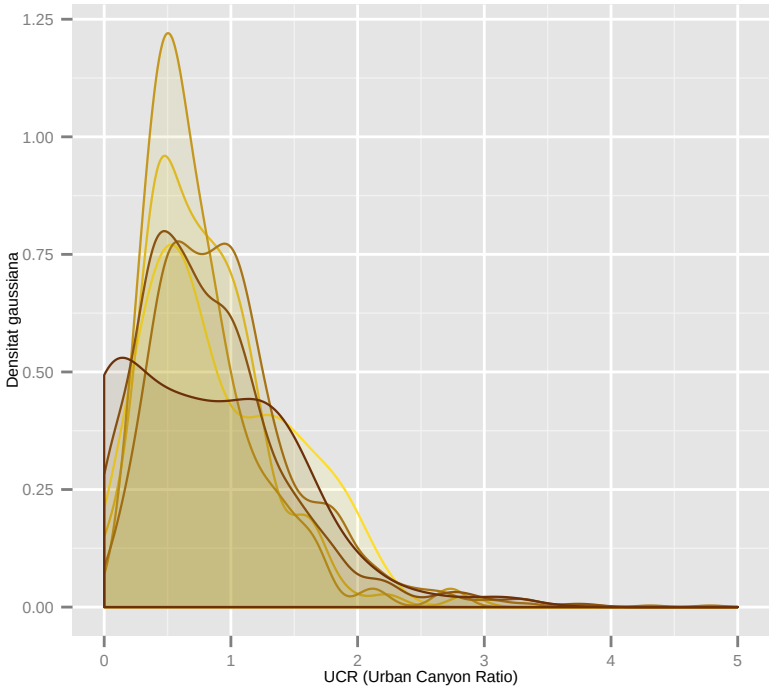
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

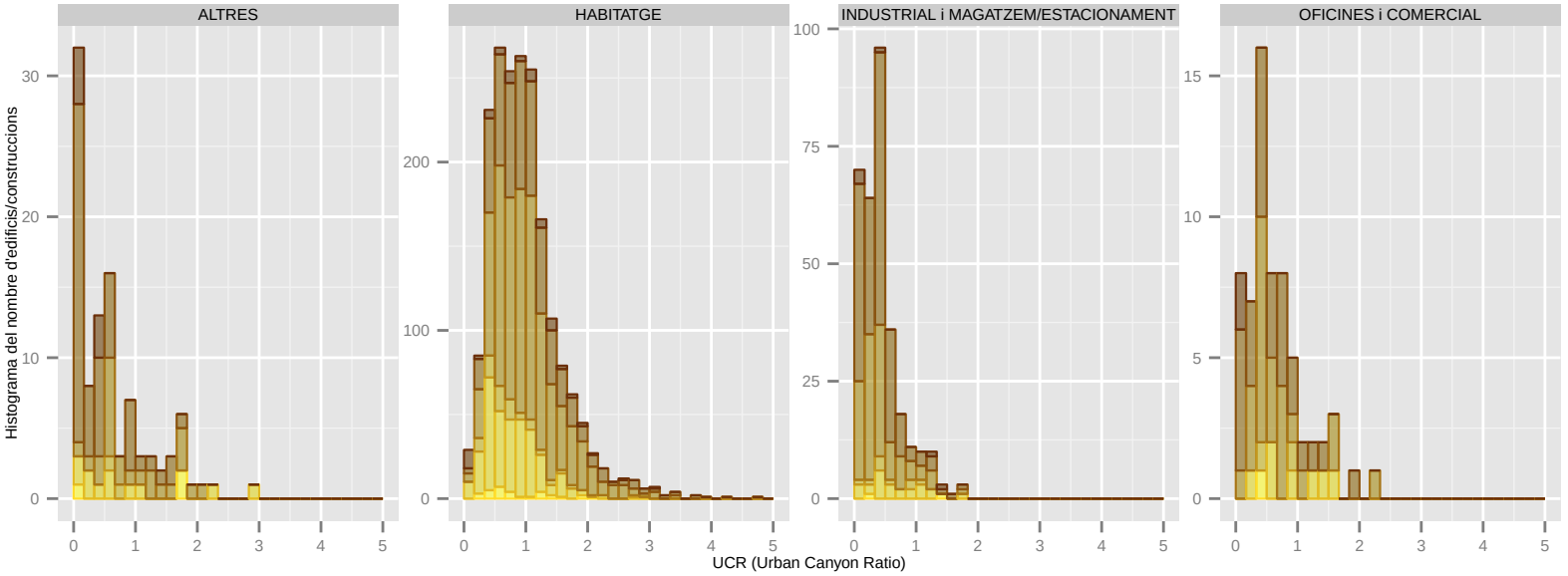
UCR (Urban Canyon Ratio): SANT FELIU DE LLOBREGAT





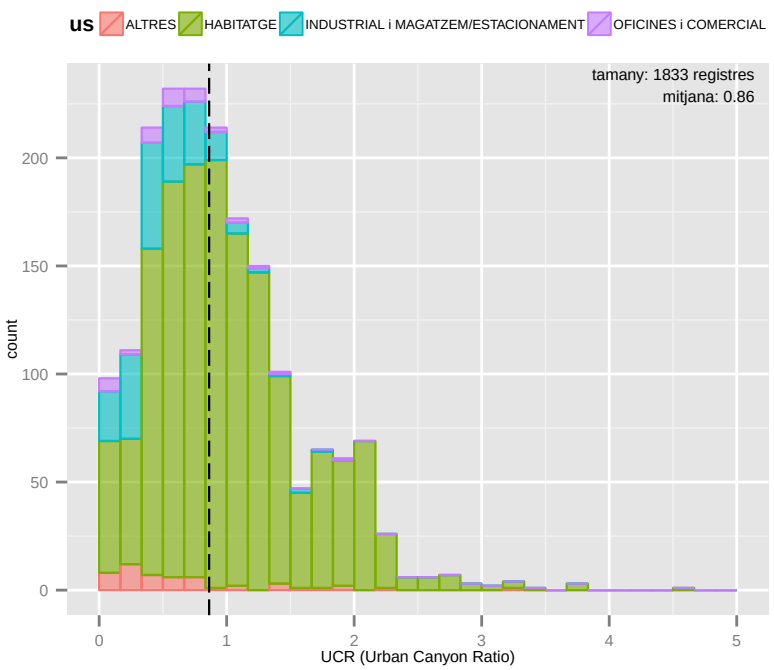


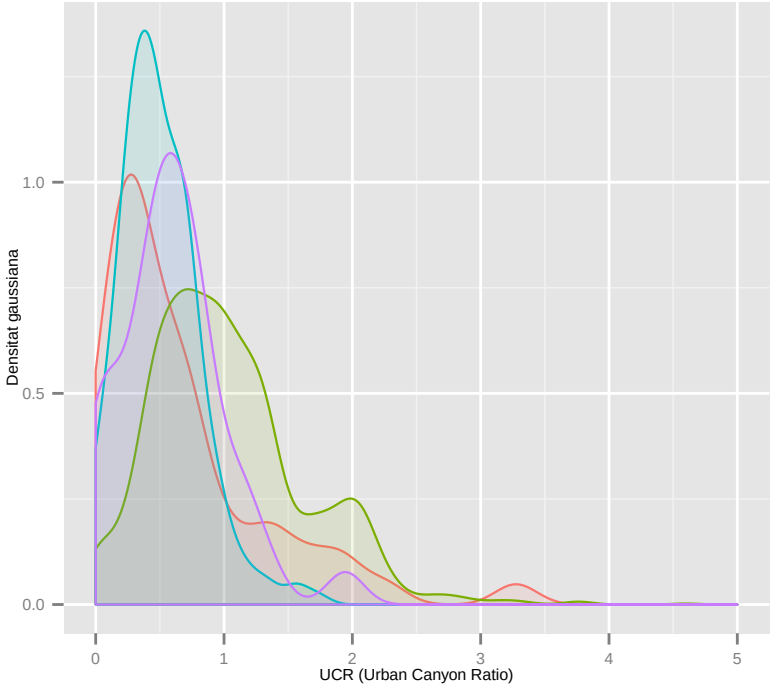


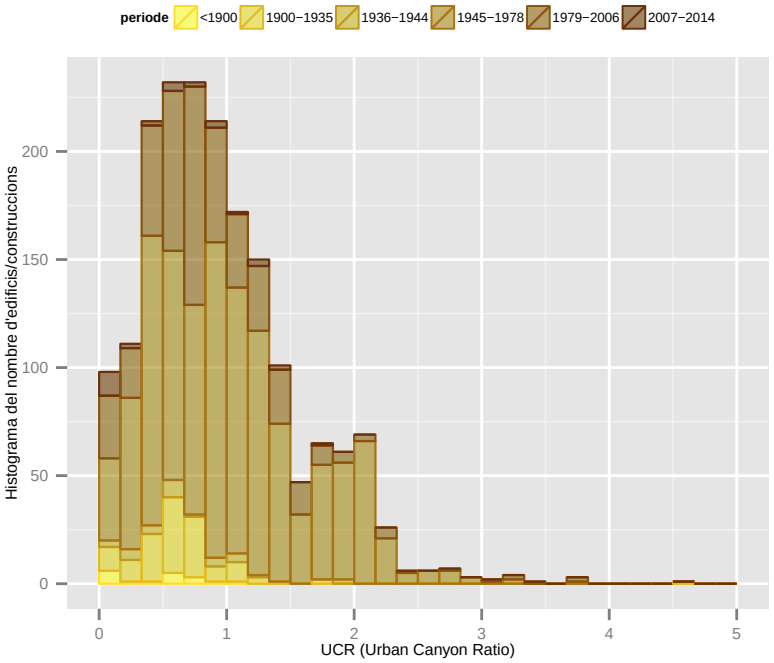


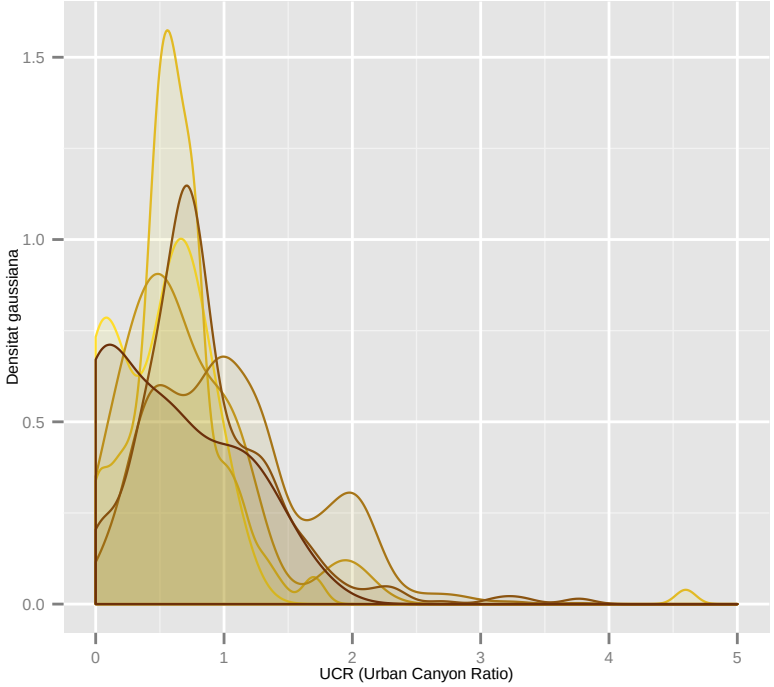
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

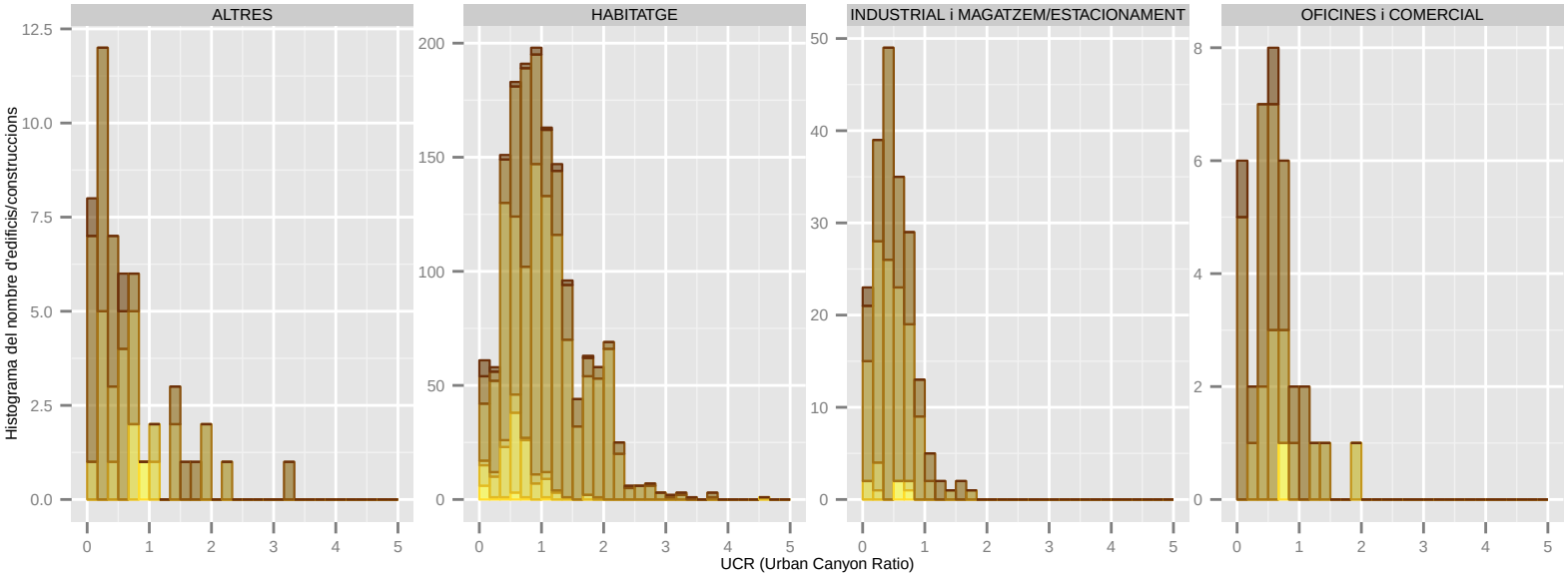
UCR (Urban Canyon Ratio): SANT JOAN DESPI





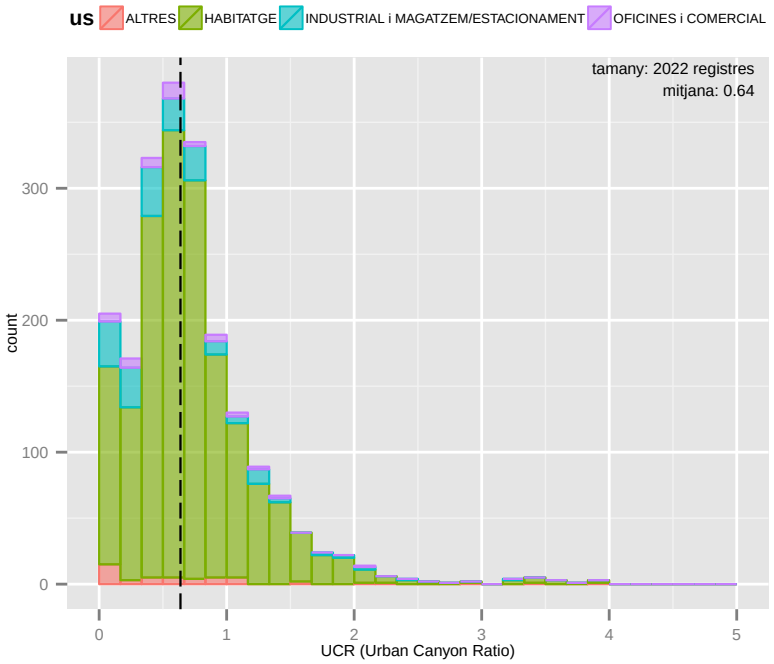


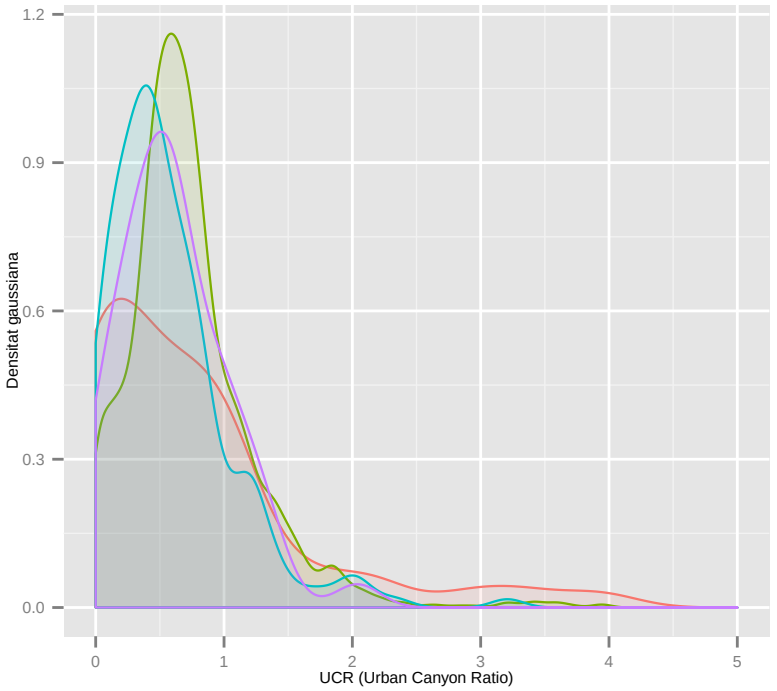


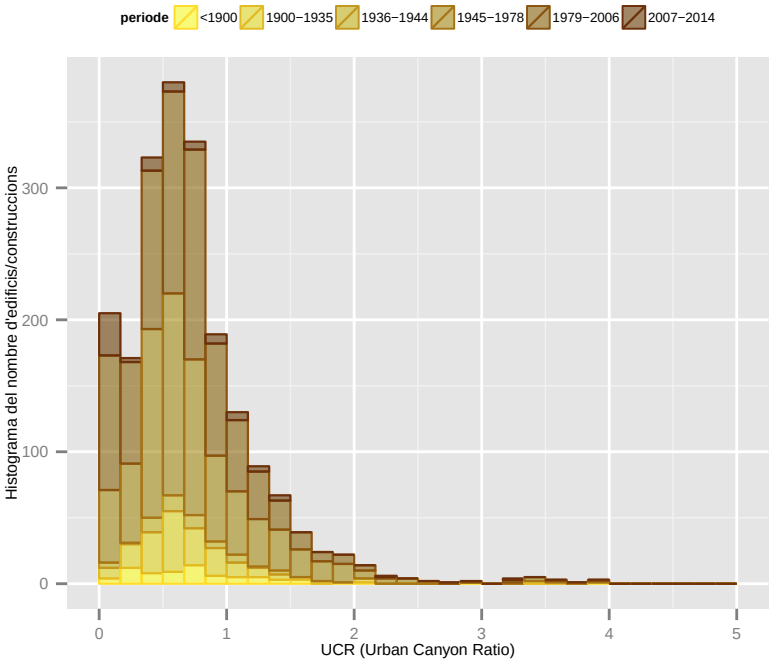


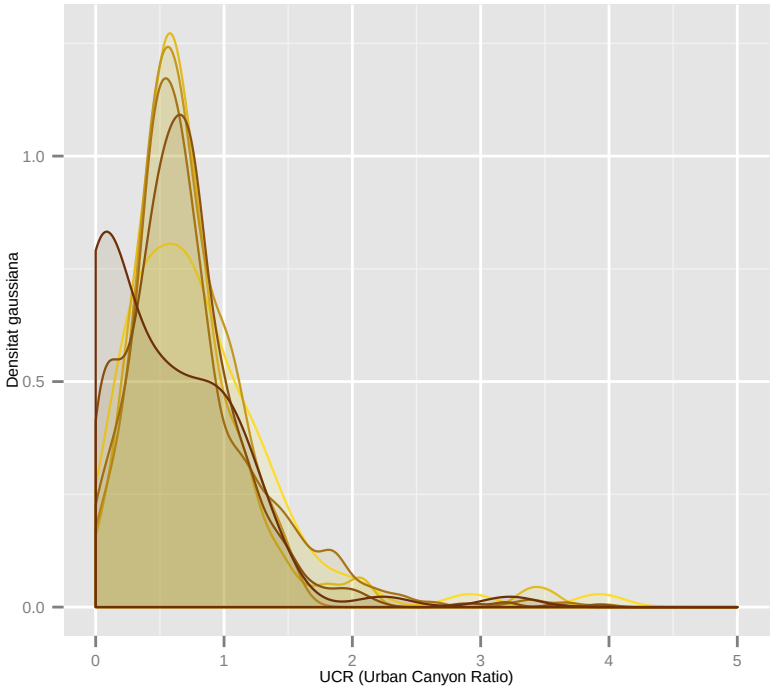
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

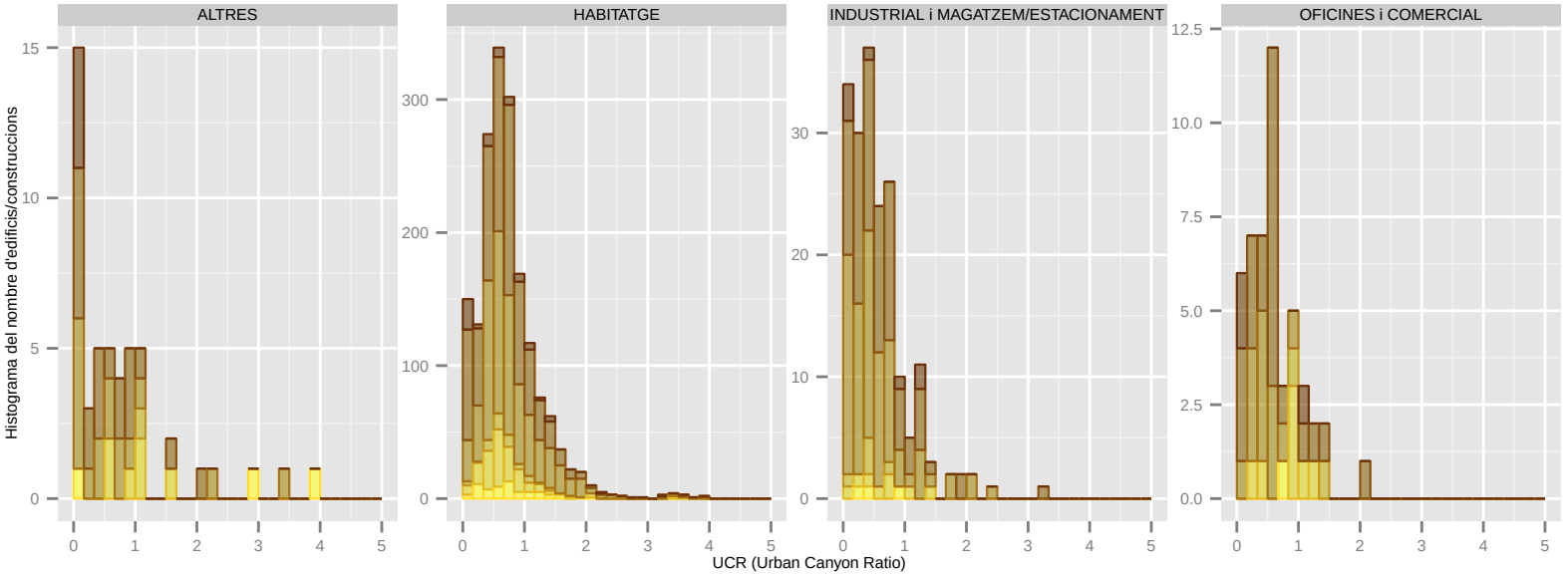
UCR (Urban Canyon Ratio): SANT JUST DESVERN





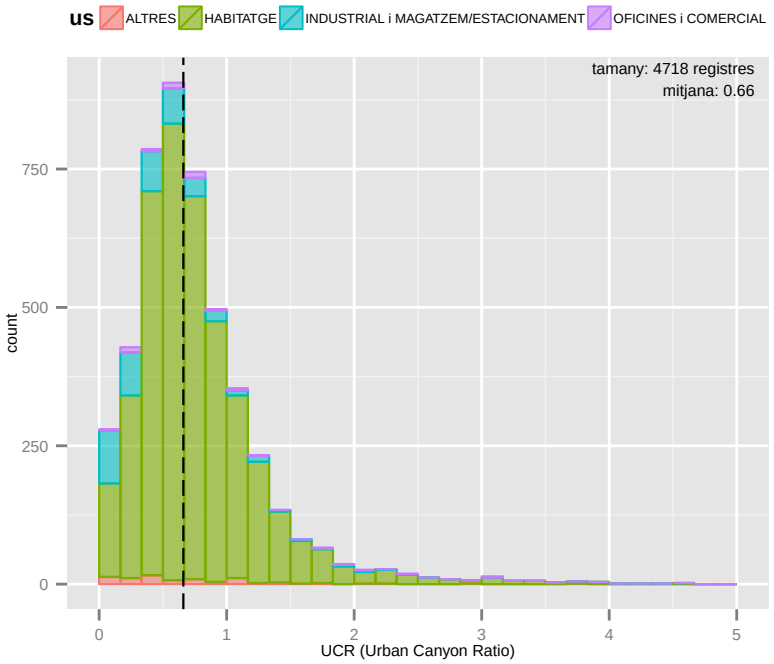


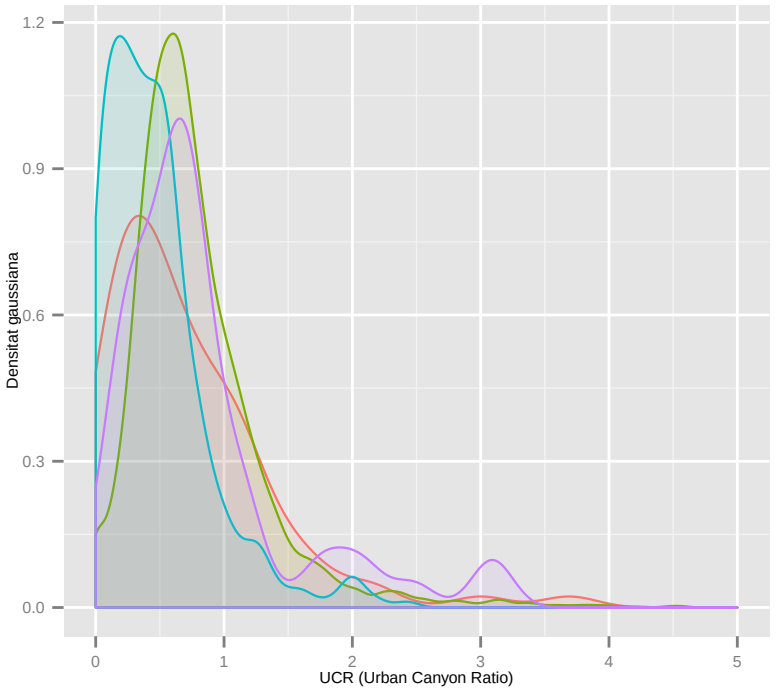


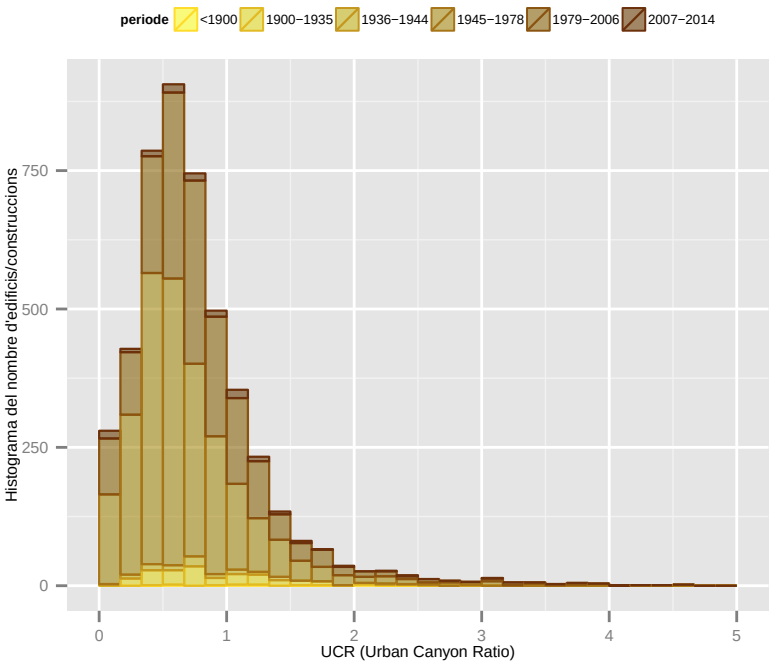


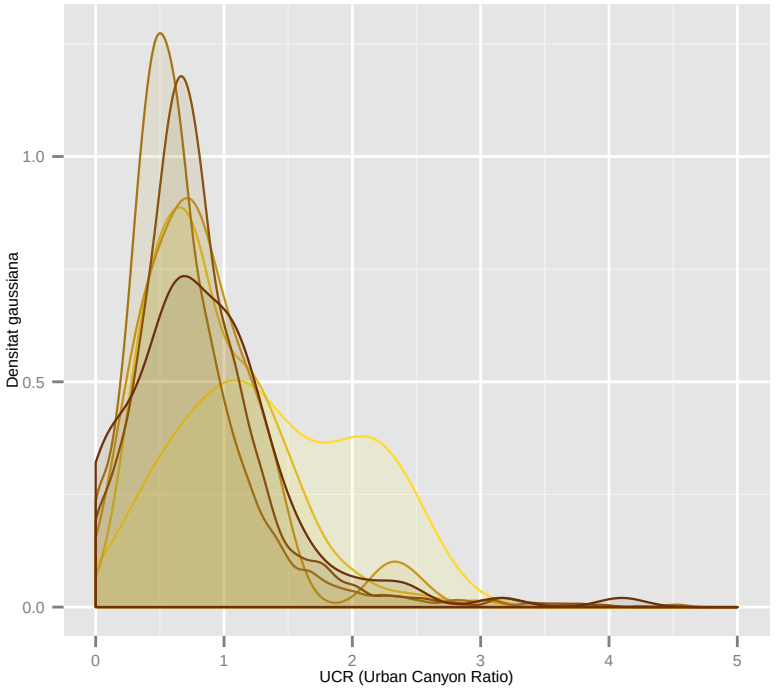
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

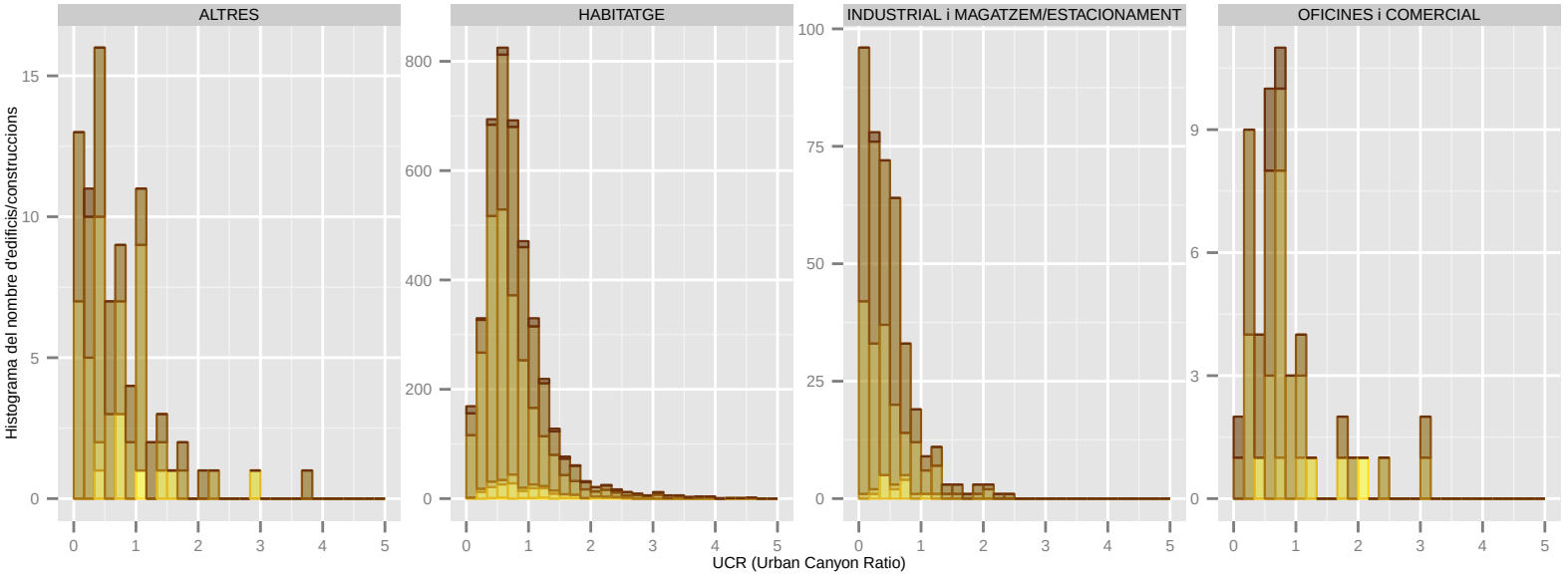
UCR (Urban Canyon Ratio): SANT VICENÃ‡ DELS HORTS





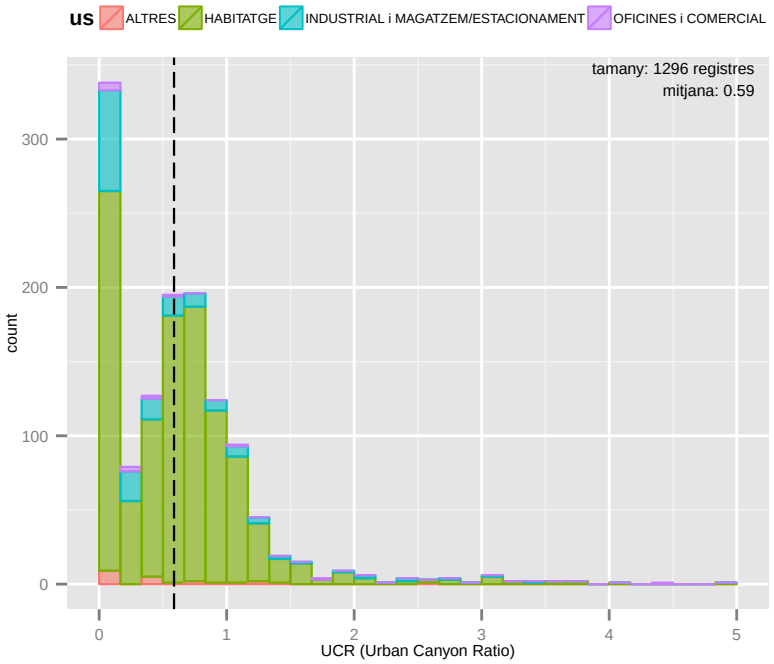


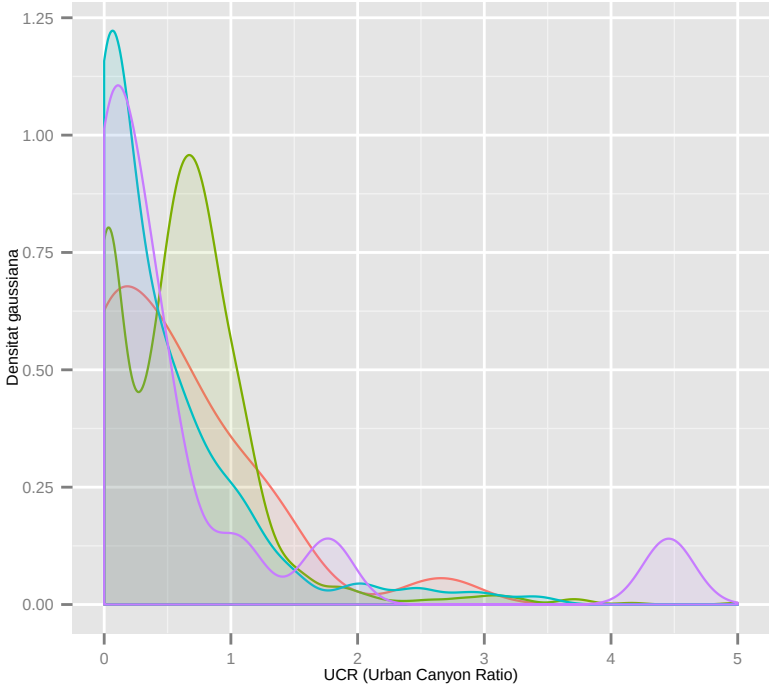


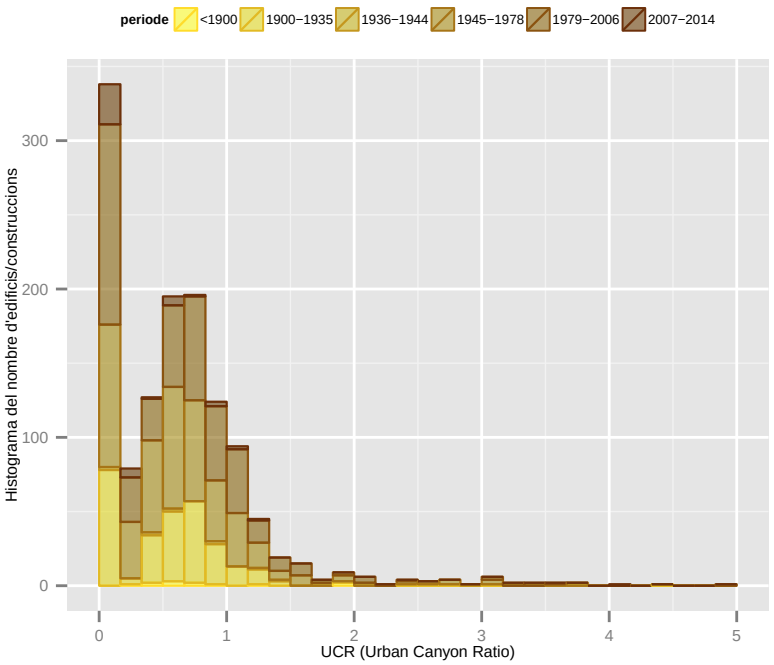


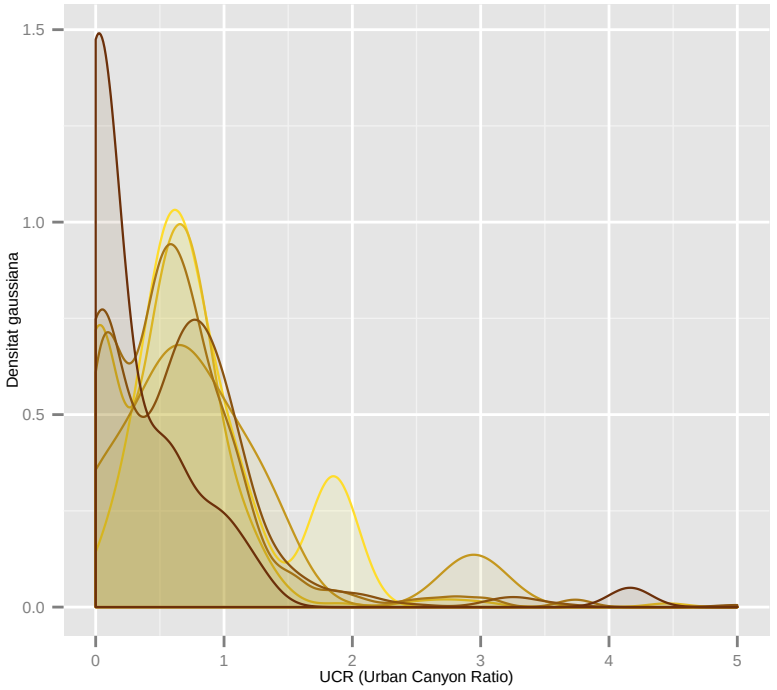
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

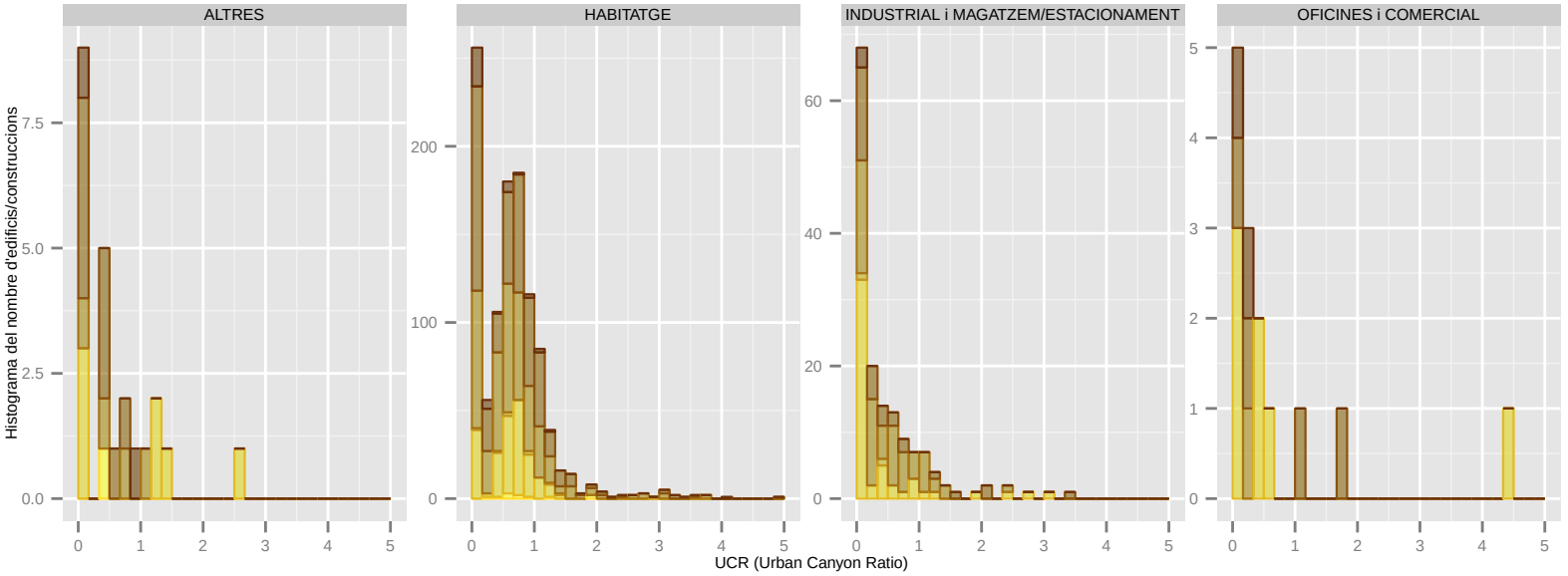
UCR (Urban Canyon Ratio): SANTA COLOMA DE CERVELLO





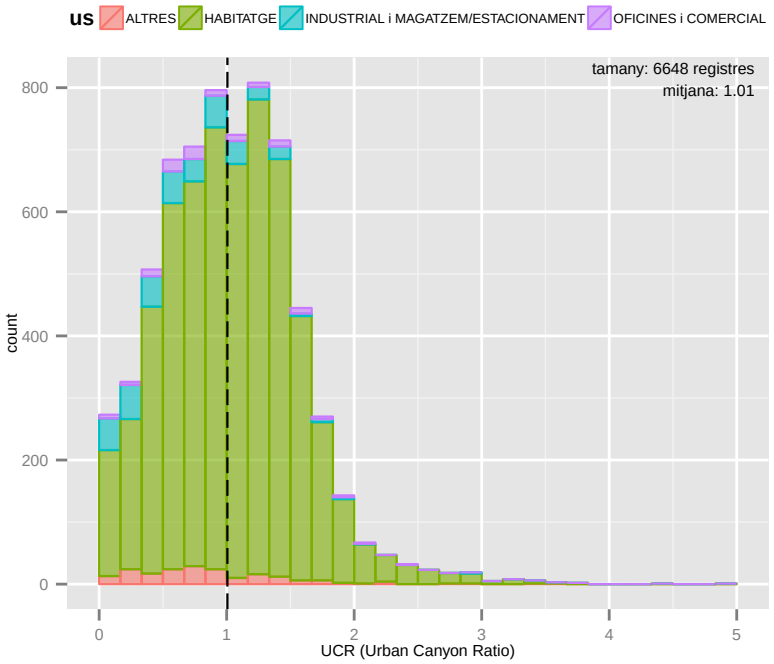


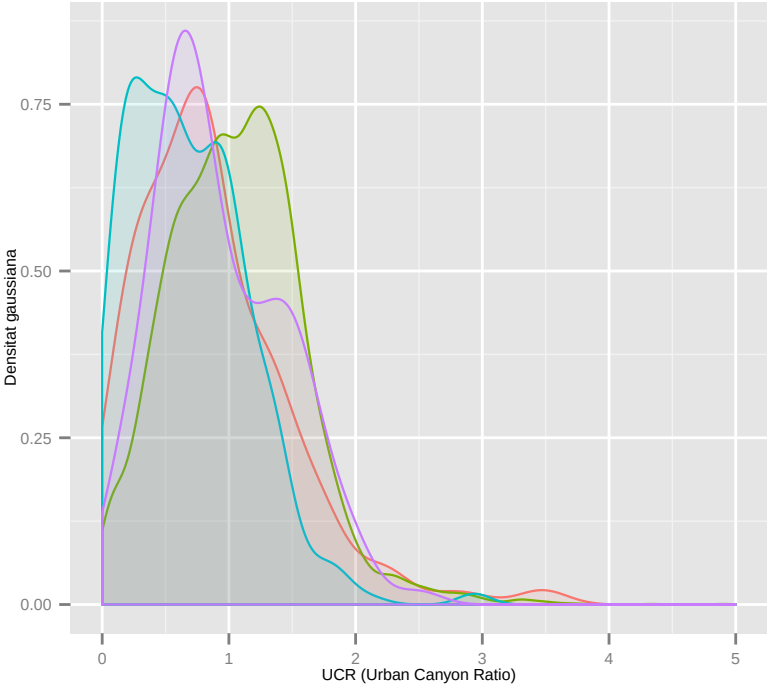


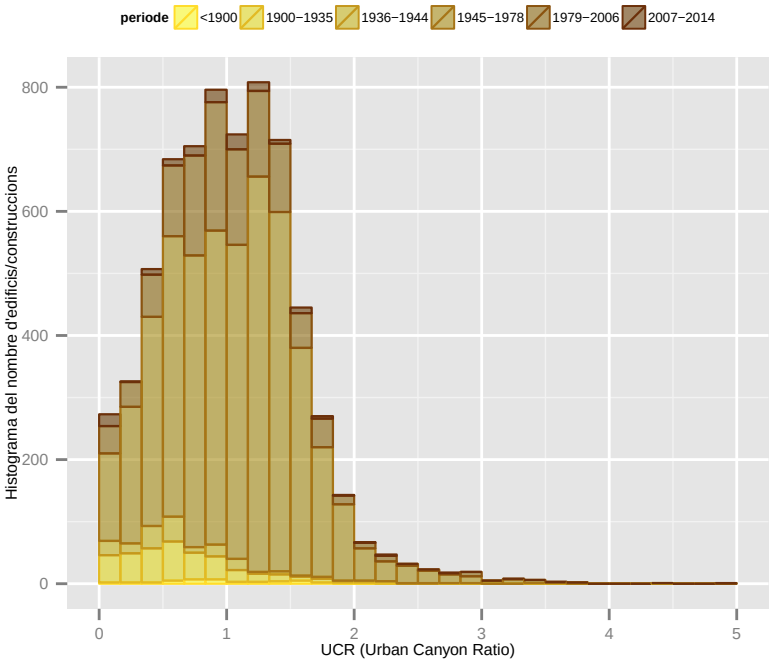


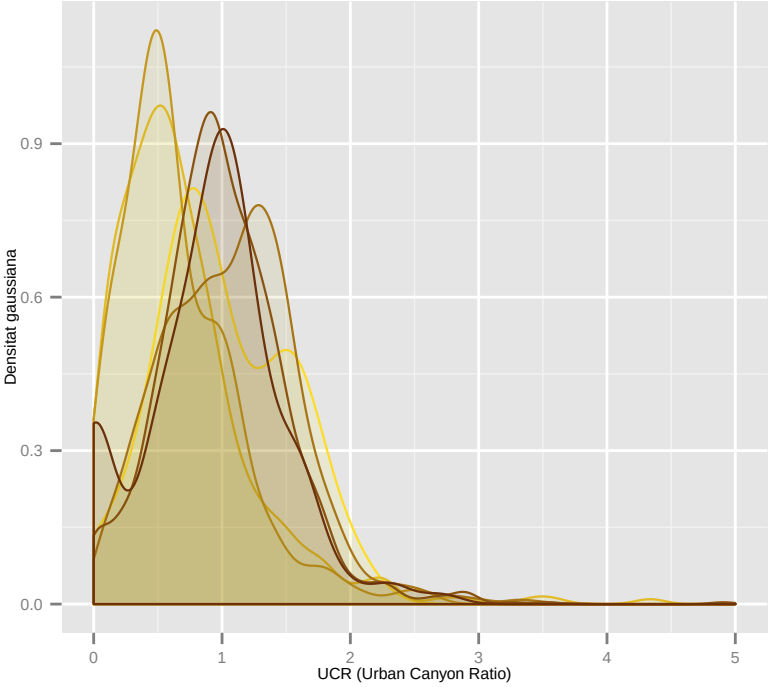
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

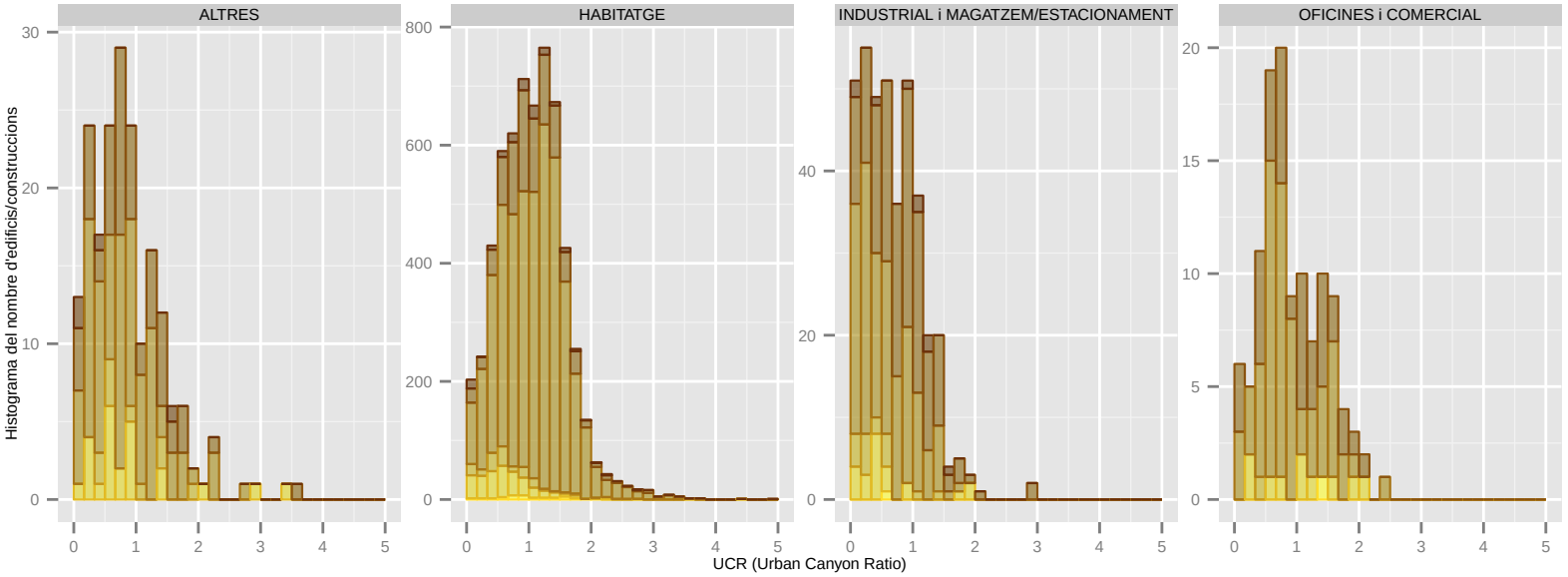
UCR (Urban Canyon Ratio): SANTA COLOMA DE GRAMENET





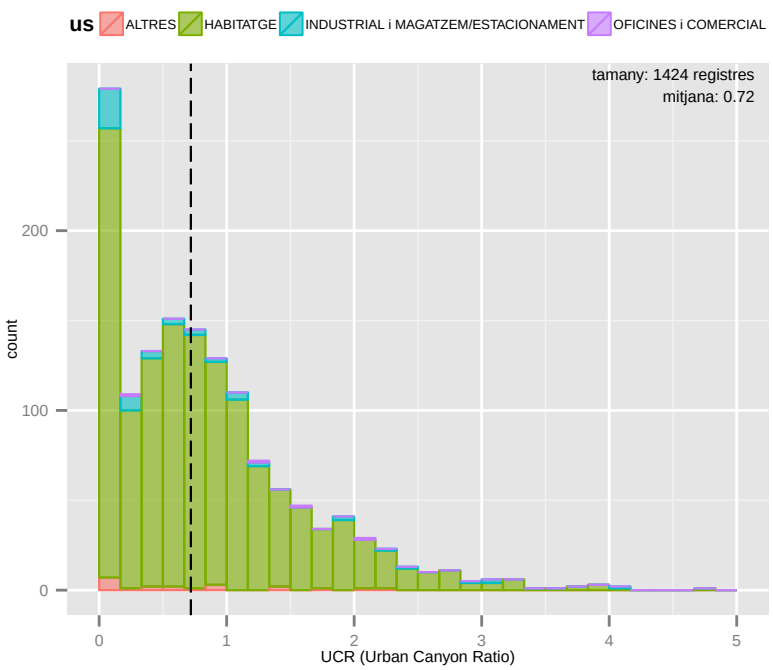


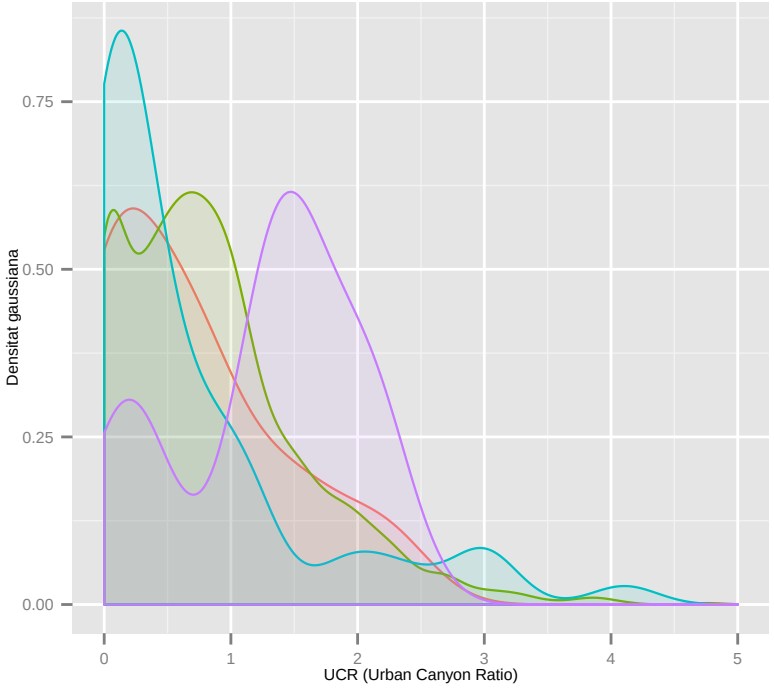


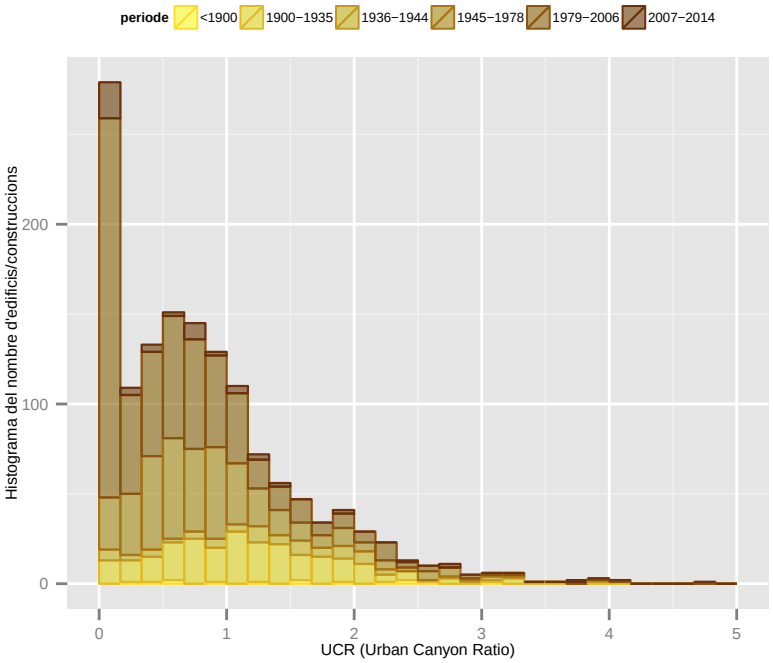


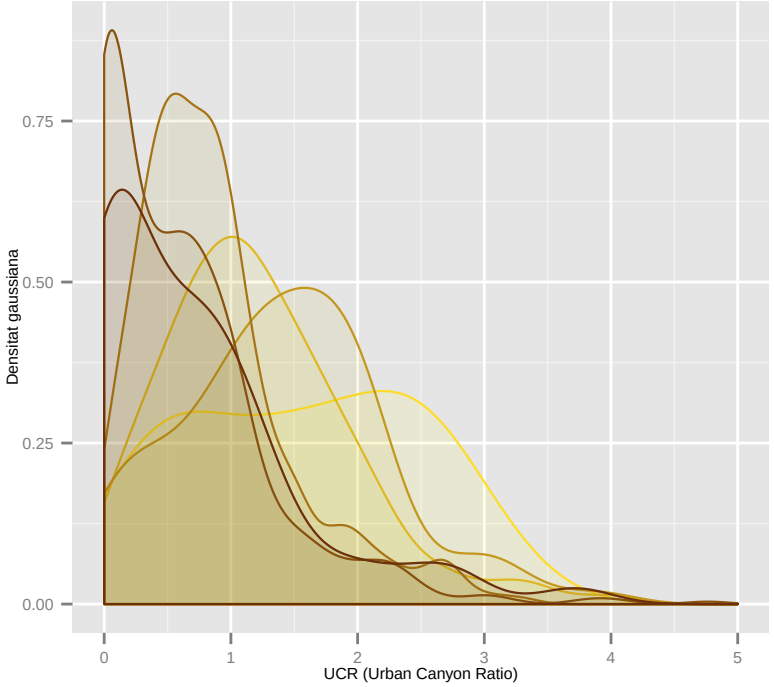
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

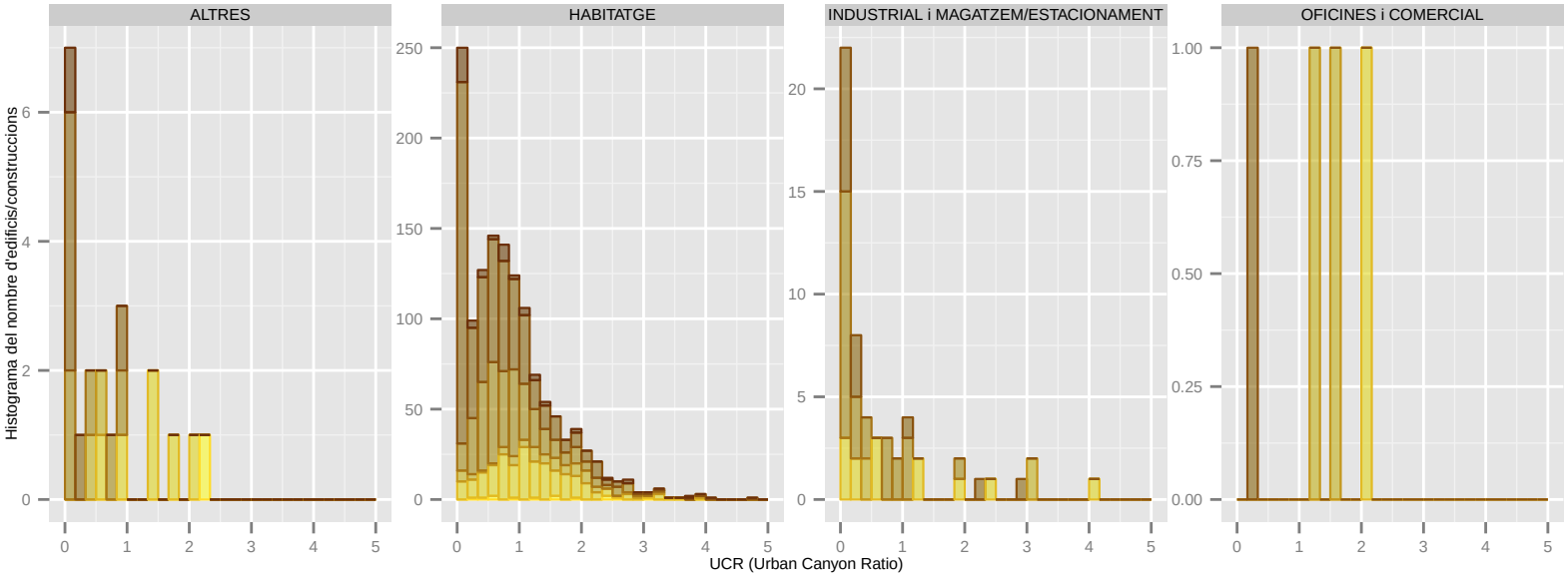
UCR (Urban Canyon Ratio): TIANA





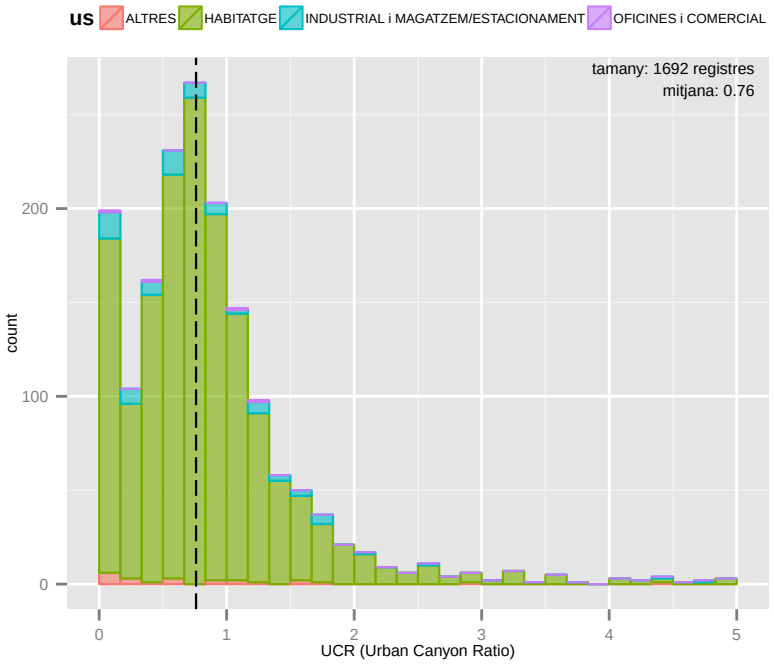


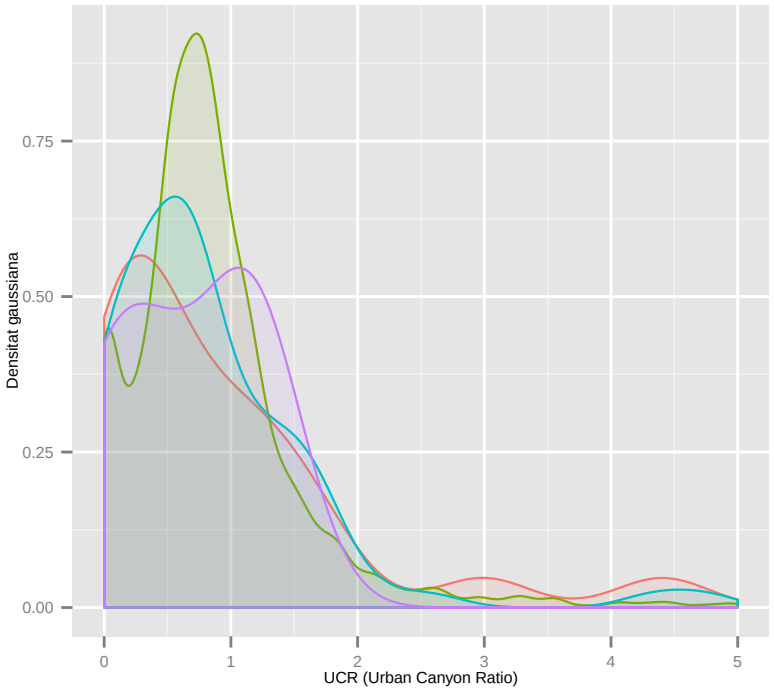


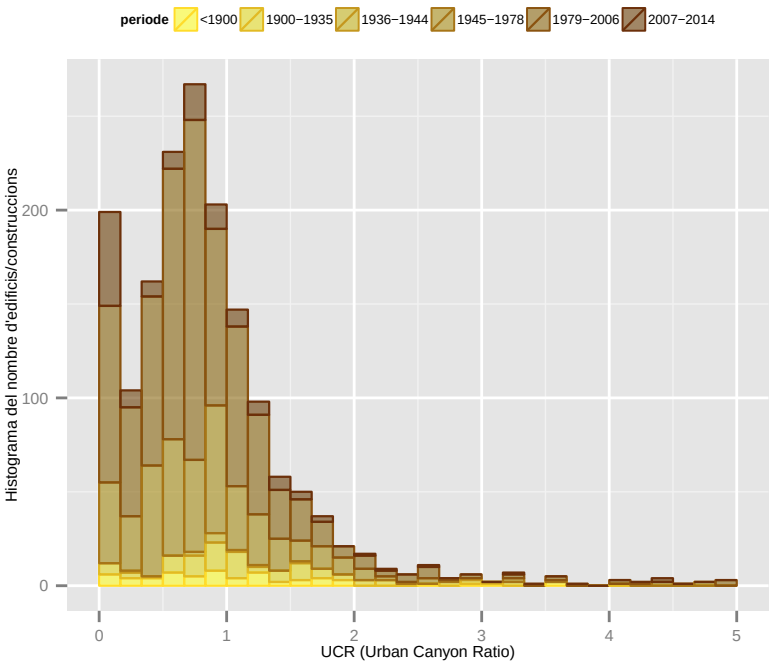


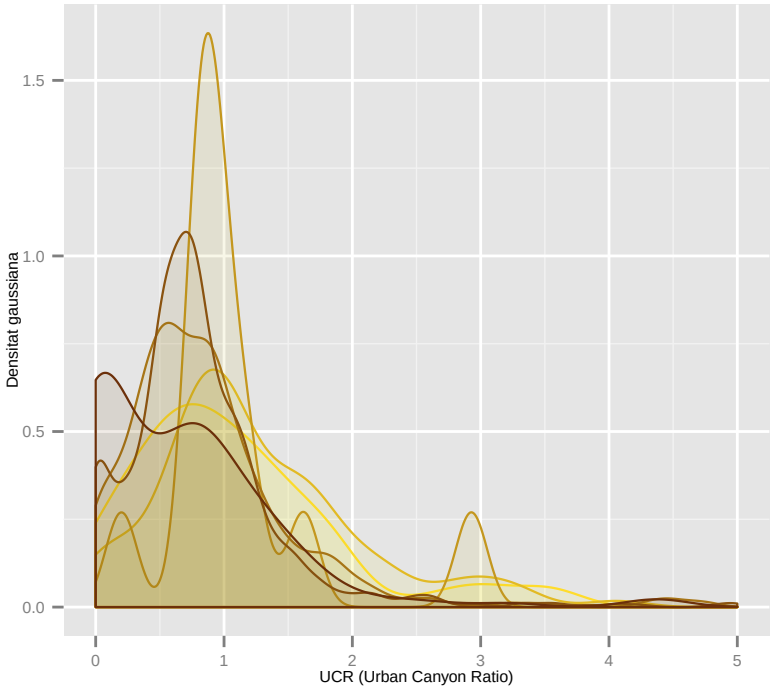
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

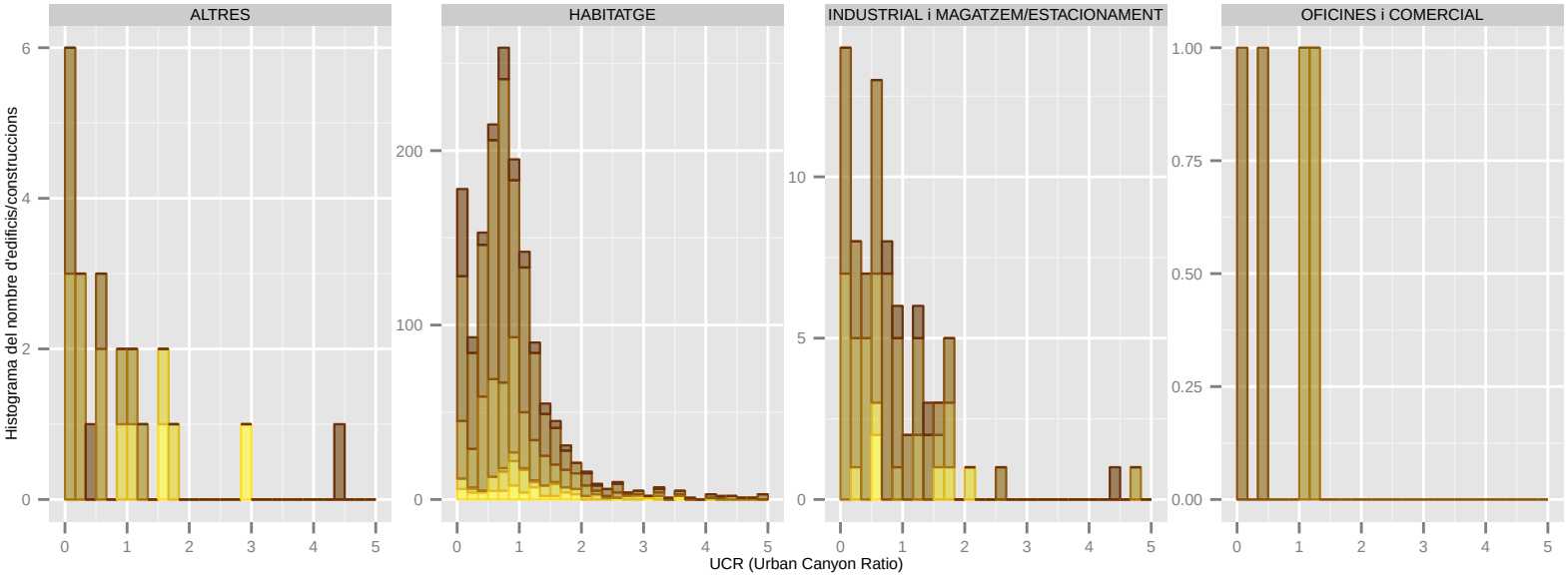
UCR (Urban Canyon Ratio): TORRELLES DE LLOBREGAT





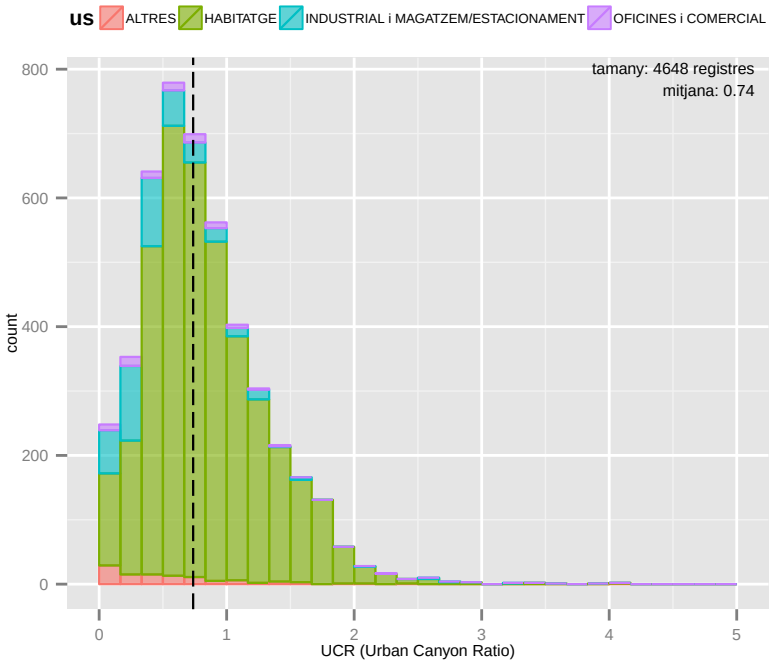


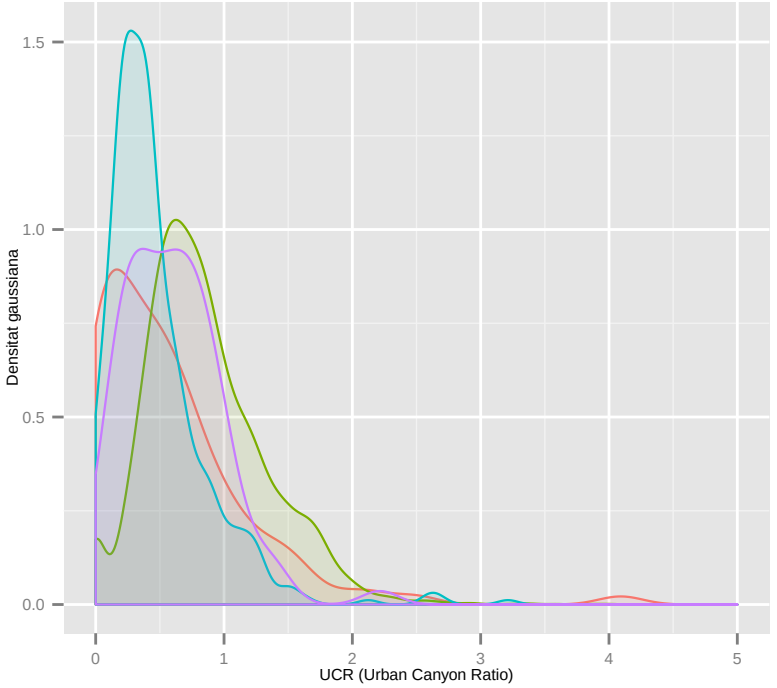


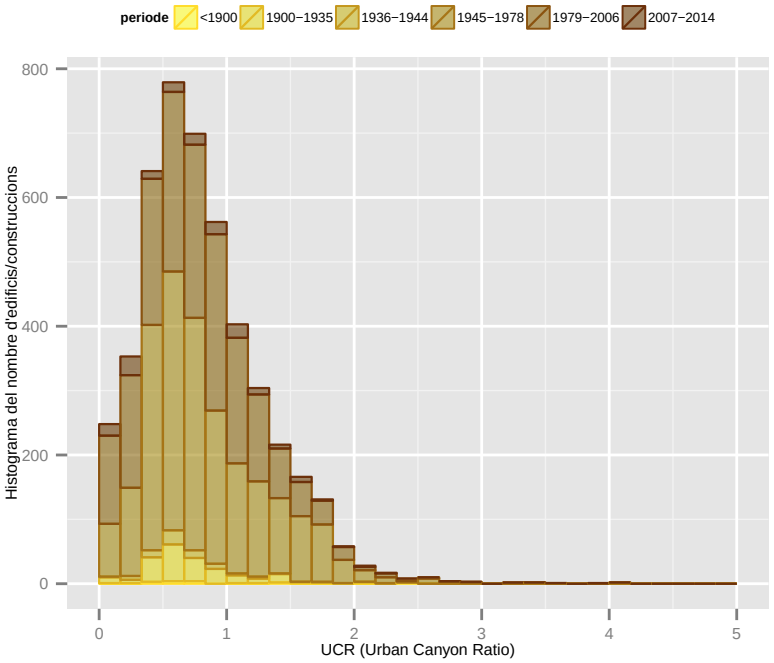


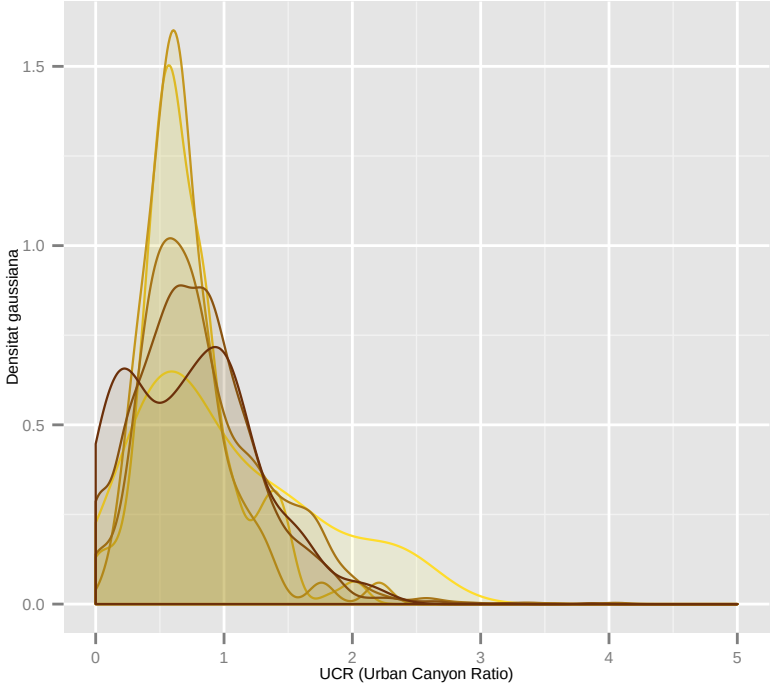
Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.

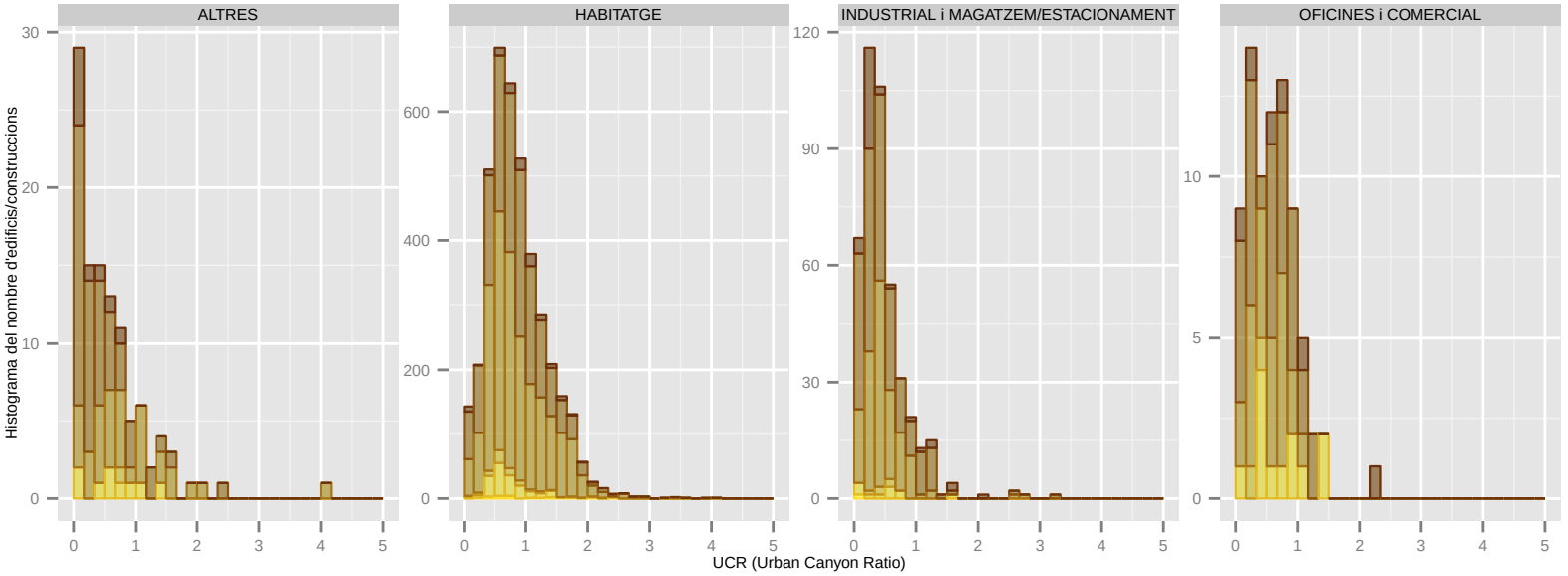
UCR (Urban Canyon Ratio): VILADECANS











Dades utilitzades del Cadastre de 2014. | S'han filtrat els elements de menys de 1m2 de superfície sobre rasant. | La classificació: 'ús' es refereix a ús principal de l'edifici.