METROPOLITAN AREA OF BARCELONA

BASIC STATISTICS

1989

POPULATION

EMPLOYMENT

ECONOMY

HOUSING

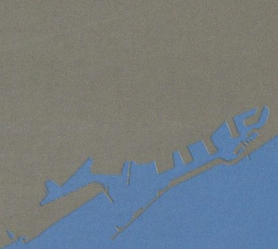
LAND USE

EDUCATION

TRANSPORT

SERVICES

PROPERTY



Àrea metropolitana de Barcelona
Mancomunitat de municipis

Biblioteca AMB
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BASIC STATISTICS

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BIBLIOTECA

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Mancomunitat de municipis

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INTRODUCTION

This publication marks the second appearance of what may be called basic statistics for the metropolitan area. It involves, partly, the updating of the data published by the CMB (Metropolitan Corporation of Barcelona) in 1984, with a certain level of reworking in some cases and the incorporation of new material in others.

As a metropolitan area, to which the majority of the figures refer, that of EMSHTR (Metropolitan Entity of Water Services and the Treatment of Waste) has been taken, which comprises Barcelona and 31 municipalities in the surrounding localities. This area encompasses those of the present metropolitan institutions (EMSHTR, EMT, MMAMB), and that of the institution in force until a short while ago (9th September 1988), the CMB. It corresponds to a high degree with the functional area within the direct influence of Barcelona, which forms a completely urban zone.

The contents include socio-economic variables, both urbanistic and relative to the services, which describe and explain, or help to explain the territory. It attempts, to a certain degree, to let the figures convey such a specific reality as the metropolitan.

As regards the updating of the figures, it may be said that the temporal reference is the same or prior to that of the production date of publication (first quarter of 1990), subject to the dates of the various information sources. At every stage only the most reliable sources have been consulted and the most recent information available used.

Key information is presented in the form of tables and graphs, ordered according to subject, every one distinguishing within the overall compass between Barcelona and the other metropolitan municipalities, ie the central and the peripheral. Reference is also made to the defining territorial and administrative boundaries, as well as the Catalan, Spanish and European context, through the comparison of figures and key pointers. Complementary to the information is a list of the socio-economic pointers specific to the municipalities.

THE METROPOLITAN AREA OF BARCELONA

The metropolitan territory of Barcelona is the main urban conglomeration of the Mediterranean. It comprises a surface area of 500 km^2 and some 3 million inhabitants. It features a high urban density and a historically constant economic dynamism. It is characterized by its presentation of highly elevated functional integration levels, with intense internal relations: an analysis of daily mobility to work reveals that one third of the active population works in an another municipality to the one in which it lives; at the same time, this zone may be considered an exceedingly closed workmarket, since only 5 % of the journeys to work come out of it.

Geographical and strategic location, the solidity of its industrial infrastructure, plus its progressive consolidation as a commercial and service centre, equipped with new technology and cultural activities, are some of the factors upon which Barcelona's current development is based.

ORGANIZATIONAL ANTECEDENTS

- In 1953 the District Boundary Plan was approved, defining the urban boundaries for the area which would subsequently be the CMB: Barcelona and its 26 immediately surrounding municipalities.

- In the same year, the Barcelona Urbanism Commission was founded, an autonomous State organism responsible for the application of this Plan, which in 1960 became the Urbanism and Community Services Commission for Barcelona and Other Municipalities, and added to the urbanistic responsibilities others relating to the management of district services.

- The Director Plan for the Metropolitan Area, approved only «for the purposes of internal administration» in 1968, as a revision of the Plan of 1953, proposed the Metropolitan Region (Region 1 plus the districts of Garraf and Alt Penedès), with a total of 162 municipalities as a planning area in which to project towards the future the already complex metropolitan reality.

- In 1974 the Barcelona Metropolitan Corporation (CMB) was founded as an organ of Local Administration, «specifically for the initiation, coordination, management, vigilance and execution of urban planning, and the lending of services useful to the metropolitan zone as a whole». The CMB drew up the General Metropolitan Plan (PGM) which is still in force, definitively approved in the July of 1976.

CURRENT METROPOLITAN INSTITUTIONS

With the approval on the 4th April of the Parliament of Catalonia of Law 7/87, by which are established and regulated particular activities of a public nature in the conurbation of Barcelona and the districts within direct influence of the city, the CMB was abolished.

The urbanistic fields which came under the CMB as the Urbanism Commission were transferred to the Generalitat of Catalonia, while two specific entities were created for the management of public passenger transport and water and residue treatment and elimination services in the metropolitan area: the Metropolitan Entity for Transport, which comprises 18 municipalities and the Metropolitan Entity for Water Services and the Treatment of Waste, which includes 32 municipalities (see table on page 12). Meanwhile Barcelona and her 23 surrounding municipalities constituted on the 22nd April 1988 the Metropolitan Area of Barcelona Municipal Council for the administration and management of services which do not come under the jurisdiction of other entities, for the coordination of new entities and to assist the municipalities in general.

The **Metropolitan Entity for Transport** has the following undertakings:

- **Surface public transport:** the coordination and management of urban public transport for passengers of the municipalities within its domain; the planning and management of intermunicipal public transport for passengers within its domain.

- **Underground transport:** the lending of the Metropolitan Railway Transport Service, without detriment to the domains that correspond to the Generalitat of Catalonia.

- **Taxi:** the exercise of its administrative faculties in the public service for passengers in taxicabs: the concession and control of licences, the fixing of tariffs, the handling of transgressions, the imposition of sanctions, the issue of permits and the inspection and promotion of the service.

- **Traffic:** the programmation of traffic on the roads and technical assistence to the municipalities in the matter of urban traffic.

The following functions correspond to **the Metropolitan Entity for Water Services and the Treatment of Waste**:

- **The supply of drinking water:** the programming of needs, collection, treatment and distribution of drinking water; the carrying out of necessary works to ensure the running of the service; the management and operation of its infrastructures.

- **Sewerage:** the operation and maintenance of treatment installations, drainage and re-use; the carrying out of studies, projects and works in accordance with the objectives put forward by the PESM (Special Metropolitan Sewerage Plan); to carry out the activities laid out in the Priority Plan for the Prevention of Floods.

- **The treatment of solid waste:** the programming and realization of the necessary works to guarantee treatment and elimination; prioritizing the use of technical means that involve the recycling of waste and that respect the environment; the organization, coordination and regulation of the transport and treatment of industrial waste; the management of selective glass collection.

— **Control of pollution and contamination:** the inspection and promotion of the improvement of the quality of air.

The **Metropolitan Area of Barcelona Municipal Council** centres its activity in the following fields:

— **The coordination of the activities and means of the three metropolitan entities.**

— **Municipal and metropolitan activities:** the initiation, projection and execution of works on the surface transport network; the construction and conservation of parks, public areas and community equipment of municipal interest.

— **Special operations for the government of the territory:** Collserola Park/ Central Metropolitan Park: the protection of the nature reserve zones; the promotion of the respectful lease and use of natural and semi-natural areas.
Coastal Plan (the recuperation of the metropolitan maritime front): collaboration with coastal municipalities in the construction of promenades and the relocation of activities and installations that allow maximum availability of the coastline.

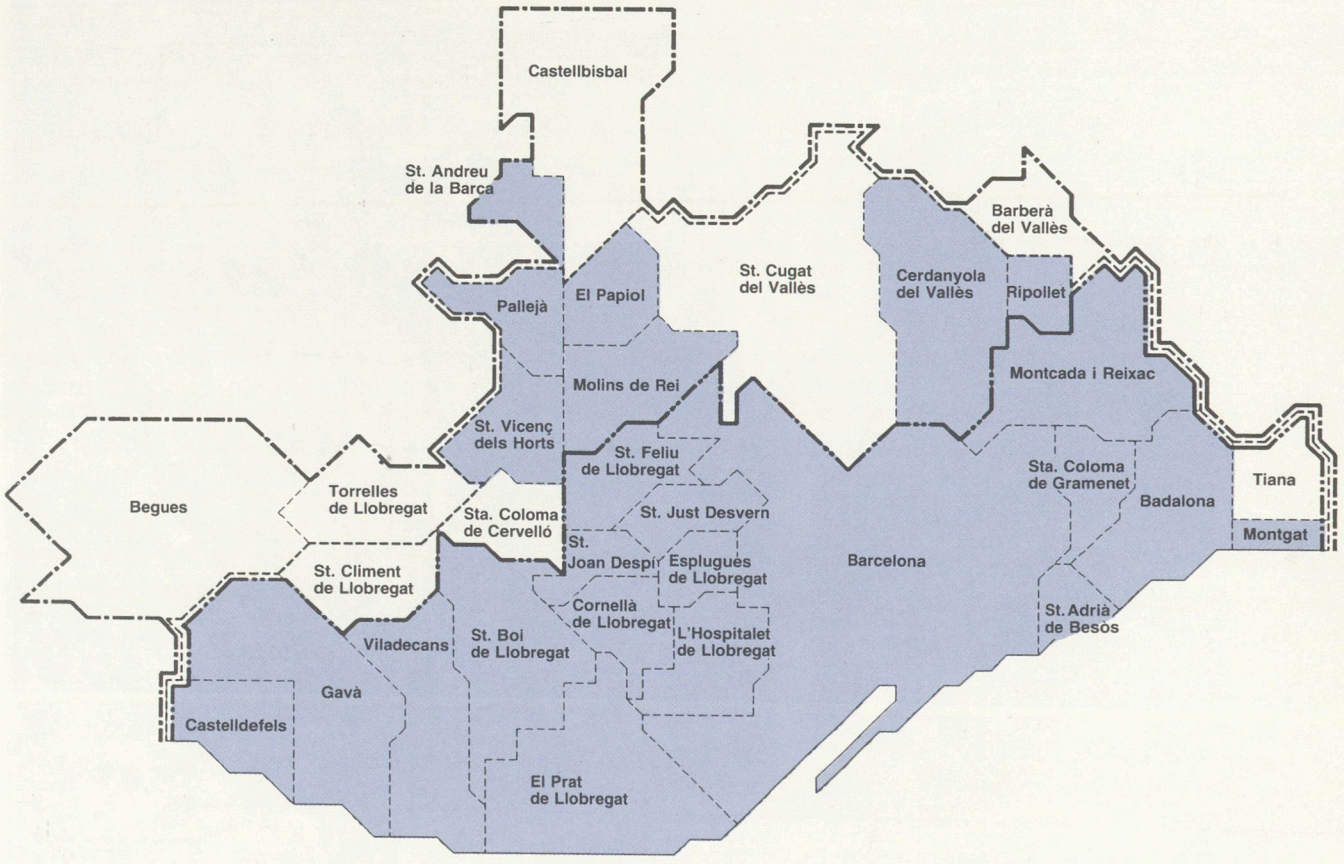
— **Urban and territorial planning:** technical assistence to municipalities in municipal urbanistic matters (Partial and Special Plans, etc.); the realization of municipal planning proposals with the support of the municipalities in question and the institutions within whose domain municipal activity falls; the realization of strategic territorial studies that define the role of the Metropolitan Area within the regional framework.

— **Land management and promotion:** the management of metropolitan land resources; the promotion of industrial land and residential land destined for corporation housing in the Metropolitan Area: the development of projects for local economic promotion; the coordination of the Strategic Metropolitan Plan.

— **Innovation, cooperation and information:** the initiation of new services and products for metropolitan organisms and the quality control of those existing; the fostering of scientific and technical cooperation between cities and local organizations; the lending of basic territorial information services: statistics, maps, urban information.

METROPOLITAN TERRITORY ▶
Black and white reproduction of the colour original to the scale of 1:40.000 (85 × 120 cms.) produced by the cartography division of the MMAMB

METROPOLITAN INSTITUTIONS



Municipal Council

Metropolitan Entity for Transport

Metropolitan Entity for the Environment

Barcelona Metropolitan Corporation (1974–1988)


St. Sadurní d'Anoia
St. Llorenç d'Hortons
St. Esteve Sesrovires
Abrera
Viladecavalls
Matadepera
Avinyonet del Penedès
Gelida
Martorell
Castellví de Rosanes
Ullastrell
Terrassa
Castellar del Vallès
Sentmenat
Caldes de Montbui
Castelbisbal
Rubí
St. Quirze del Vallès
Sabadell
Palau de Plegamans
Polinyà
Clesa de Bonesvalls
Corbera de Ll.
St. Andreu de la Barca
Vallirana
Cervelló
Pallejà
el Papiol
Barberà del Vallès
Lliçà de Vall
Begues
Molins de Rei
St. Cugat del Vallès
Cerdanyola del Vallès
Sta. Perpètua de Mogoda
Parets del Vallès
Ripollet
Mollet del Vallès
Montmeló
Torrelles de Ll.
St. Vicenç dels Horts
St. Feliu de Ll.
Montcada i Reixac
la Llagosta
Martorelles
Montornès del Vallès
Sta. Coloma de Cervelló
St. Climent de Ll.
St. Just Desvern
St. Joan Despí
St. Fost de Campsentelles
Vilanova del Vallès
Sta. Coloma de Gramenet
Sta. Maria de Martorelles
Gavà
St. Boi de Ll.
Esplugues de Ll.
Cornellà de Ll.
Vallromanes
Viladecans
Castelldefels
l'Hospitalet de Ll.
Tiana
Alella
Badalona
Montgat
Teià
Premià de Dalt
St. Adrià de Besòs
el Masnou
el Prat de Ll.
Barcelona
Premià de Mar

MUNICIPALITIES IN THE BARCELONA METROPOLITAN AREA

BASIC DATA

	SURFACE AREA (Km^2)	INHABITANTS 1986	DENSITY ($Hab./Km^2$)	METROPOLITAN ENTITIES[1]			
				MMAMB	EMT	EMSHTR	CMB
Badalona	22.17	225,016	10,150	●	●	●	●
Barberà del Vallès	8.77	29,917	3,411			●	
Barcelona	97.62	1,701,812	17,433	●	●	●	●
Begues	50.42	1,534	30			●	
Castellbisbal	30.97	4,057	131			●	
Castelldefels	12.41	27,932	2,251	●	●	●	●
Cerdanyola del Vallès	31.29	53,537	1,711	●		●	●
Cornellà de Llobregat	6.90	86,928	12,598	●	●	●	●
Esplugues de Llobregat	4.60	47,670	10,363	●	●	●	●
Gavà	30.90	32,351	1,047	●	●	●	●
L'Hospitalet de Llobregat	12.36	279,779	22,636	●	●	●	●
Molins de Rei	16.00	18,160	1,135	●		●	●
Montcada i Reixac	23.34	25,499	1,093	●	●	●	●
Montgat	2.83	7,276	2,571	●	●	●	●
Pallejà	8.41	5,919	704	●		●	●
El Papiol	8.83	3,080	349	●		●	●
El Prat de Llobregat	32.23	63,052	1,956	●	●	●	●
Ripollet	4.39	25,833	5,885	●		●	●
Sant Adrià de Besòs	3.87	34,735	8,975	●	●	●	●
St. Andreu de la Barca	5.52	14,298	2,590	●		●	
Sant Boi de Llobregat	21.94	75,789	3,454	●	●	●	●
St. Climent de Llobregat	10.73	2,111	197			●	●
Sant Cugat del Vallès	48.32	35,302	731			●	●
Sant Feliu de Llobregat	11.79	37,394	3,172	●	●	●	●
Sant Joan Despí	5.63	23,867	4,239	●	●	●	●
Sant Just Desvern	7.85	11,379	1,450	●	●	●	●
Sant Vicenç dels Horts	9.14	20,397	2,232	●		●	●
Santa Coloma de Cervelló	7.52	2,662	354			●	●
Santa Coloma de Gramenet	7.05	135,258	19,186	●	●	●	●
Tiana	7.90	3,911	495		●	●	●
Torrelles de Llobregat	13.55	1,827	135			●	
Viladecans	20.11	45,071	2,241	●	●	●	●
Total MMAMB 24 municipalities	407.18	3,002,032	7,373				
Total EMT 18 municipalities	331.50	2,864,719	8,642				
Total EMSHTR 32 municipalities	585.36	3,083,353	5,271				
Total CMB 27 municipalities	476.13	3,031,720	6,367				

Source:
— Surface area: Generalitat of Catalonia. Dept. of Public Works and Territorial Policy. Topographic Map of Catalonia 1:250.000. Barcelona, 1983.
— Inhabitants: Information and Documentation Centre of Catalonia. (CIDC). Municipal Census 1986.
(1) MMAMB: Metropolitan Area of Barcelona Municipal Council.
EMT: Metropolitan Entity for Transport.
EMSHTR: Metropolitan Entity for Water Services and the Treatment of Waste.
CMB: Metropolitan Corporation of Barcelona. (Defunct).

1989 BUDGET
METROPOLITAN ENTITIES

(Millions of pesetas)

	EMT	EMSHTR	COUNCIL SERVICES FINALISTS	COMMUNITY SERVICES	TOTAL AMB
EXPENDITURE					
Running costs	2,555	3,916	1,685	2,987	11,143
Investments	620	12,562	4,382	140	17,704
Contract-Programme Transport	4,015				4,015
EXPENDITURE BUDGET	7,190	16,478	6,067	3,127	32,862
REVENUE					
Rates	136	1,485	5	45	1,671
Contributions of the National Municipal Cooperation Fund				4,371	4,371
Combined municipal Contributions (2 % CTU)	198	1,858		2,650 397	2,650 2,453
Other ordinary revenue	4,635	12,560	4,382	140	21,717
Capital revenue					
REVENUE BUDGET	4,969	15,903	4,387	7,603	32,862
Levelling Council transferences	2,222	575			
% Deficit					31.6 %

Source: MMAMB Finance Management.

BUDGET 1989
INVESTMENT RESUME PER METROPOLITAN ENTITY

(Millions of pesetas)

	AMOUNT INVESTED 1989	%
E.M.T.[1]	620	3.5
E.M.S.H.T.R.	12,562	71.0
Solid waste	1,272	7.2
Water supply	3,848	21.7
Sewerage	7,385	41.8
Environment	57	0.3
MUNICIPAL COUNCIL	4,382	24.7
Viality	1,645	9.3
Urban parks	570	3.2
Construction operations	500	2.8
Forestry activities	540	3.1
Economic promotion	767	4.3
Promenade purchases	360	2.0
COMMUNITY SERVICES	140	0.8
TOTAL INVESTMENT	**17,704**	**100.0**

Source: MMAMB Finance Management.
(1) The costs of the metropolitanization of transport have been considered apart, tied to the signing of the contract-programme of Barcelona Municipal Transport (4.015 million pesetas).

THE METROPOLITAN AREA BUDGET FOR 1989

The budget consolidated for the three metropolitan entities for 1989 stands at 32,862 million pesetas, of which 11,143 million correspond to running costs, 17,704 to investments and 4,015 to the cost of the metropolitanization of transport.

The Metropolitan Area of Barcelona Municipal Council functions in the coordination of programmes and the distribution of resources between the three metropolitan administrations, by virtue of the agreement established between them.

The principal sources of revenue are: its own income by way of rates for the provision of services, participation in the FNCM (National Municipal Cooperation Fund), contributions of the municipalities (2 % of the Urban Territory Contribution) and of other administrations. The investment financing is realized through the transfer and deposit of capital and deficit.

The estimated investments may be broken down in the following way:

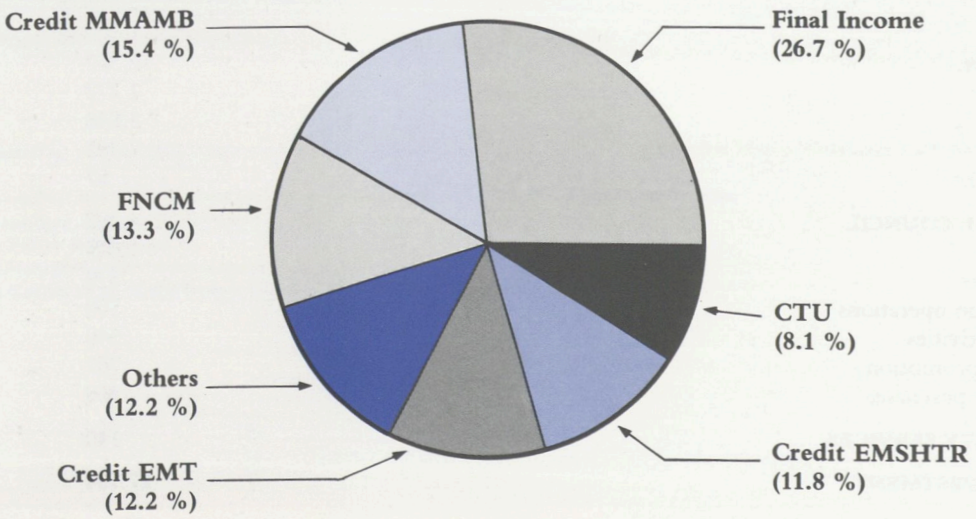
- Investments over a period of years (1,054 M): The acquisition of land on the sea front, a waste recycling plant, an agreement for work to be carried out on the railways and roads.

- Self-financed investments (12,109 M)***: Sewerage and channelling of rainwater, water supplies, solid waste disposal, pollution control and damage caused by flooding repairs.

- New investments (4,541 M): a rainwater network, contamination control, seasonal transport, taxis, the suppression of level crossings, telecommunications, urban parks, forestry activities, the traffic system, repairs in industrial estates, projects on the metropolitan coast, municipal projects and activities of a constructional nature.

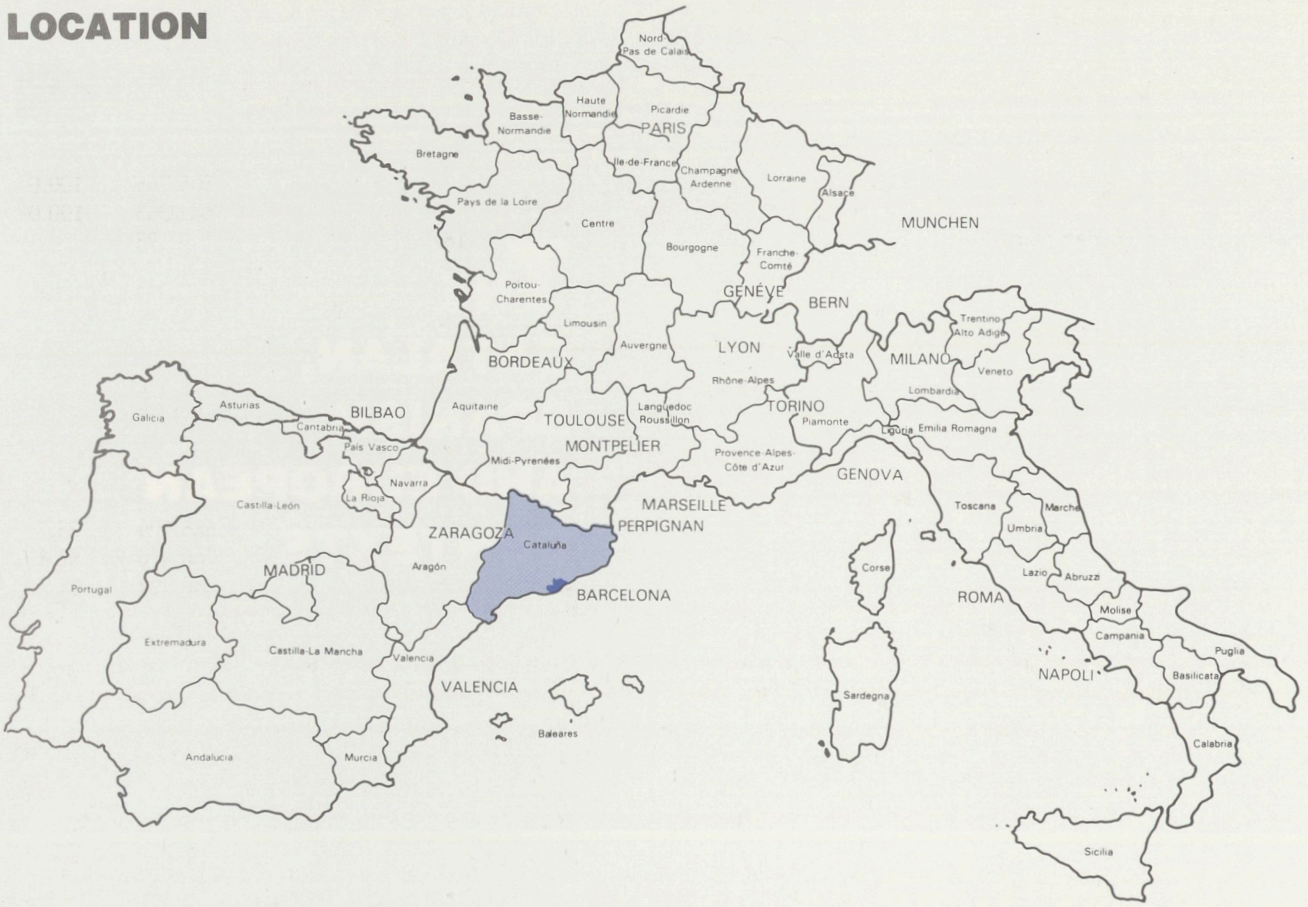
ESTIMATED REVENUE 1989

Barcelona Metropolitan Area



THE CATALAN, SPANISH AND EUROPEAN CONTEXTS

LOCATION


Nord-Pas de Calais
Haute-Normandie
Picardie
Basse-Normandie
PARIS
Bretagne
Ile-de-France
Champagne-Ardenne
Lorraine
Alsace
Pays de la Loire
Centre
MUNCHEN
Bourgogne
Franche-Comté
Poitou-Charentes
GENÈVE
BERN
Limousin
Auvergne
LYON
Valle d'Aosta
MILANO
Trentino-Alto Adige
Veneto
BORDEAUX
Rhône-Alpes
Lombardia
Galicia
Asturias
BILBAO
Aquitaine
Languedoc-Roussillon
TORINO
Piamonte
Liguria
Emilia Romagna
Cantabria
TOULOUSE
País Vasco
MONTPELLIER
Provence-Alpes-Côte d'Azur
Midi-Pyrénées
GENOVA
Navarra
La Rioja
Castilla-León
MARSEILLE
Toscana
Marche
ZARAGOZA
PERPIGNAN
Cataluña
Umbria
Corse
Aragón
Lazio
Abruzzi
MADRID
Portugal
BARCELONA
ROMA
Molise
Campania
Extremadura
Castilla-La Mancha
Valencia
Puglia
Basilicata
NAPOLI
VALENCIA
Sardegna
Baleares
Calabria
Andalucia
Murcia
Sicilia


GIRONA
LLEIDA
BARCELONA
TARRAGONA
— Provinces
— Districts
Barcelona Metropolitan Area (EMSHTR area)

POPULATION

	AMB	%	CATALONIA	%	SPAIN	%
TERRITORY AND POPULATION						
Surface area (Km^2)	585	0.1	31,895	6.3	504,765	100.0
Population 1986	3,083,353	8.0	5,978,638	15.5	37,683,363	100.0
Density 1986 (Inhab./Km^2)	5,271		187		75	
NATURAL MOVEMENT 1985-1987[1]						
(Average annual rates per 1,000 inhabs.)						
Births	9.7		10.3		11.5	
Deaths	7.5		7.9		8.0	
Natural Growth	2.2		2.4		3.5	
Marriages	4.7		5.1		5.1	
AGE STRUCTURES 1986						
Under 15 years	655.833	21.3	1,296,430	21.7	9,685,729	25.7
15-64 years	2,062,748	66.9	3,944,862	66.0	23,760,910	63.1
65 years and over	364,772	11.8	737,346	12.3	4,236,724	11.2

Source:
— Generalitat of Catalonia. Public Works and Territorial Policy Dept. Topographic map of Catalonia 1:250,000.
— CIDC Municipal Census 1986 / Catalonia Statistics Yearbook 1988 / Municipal Statistics Bank.
(1) For Spain the period taken is 1985-1986.

ACTIVITY/EMPLOYMENT

	AMB	%	CATALONIA	%	SPAIN	%
ACTIVE POPULATION 1986						
Men	805,104	67.0	1,567,475	67.8	9,569,200	68.8
Women	395,841	33.0	744,331	32.2	4,335,600	31.2
Total	1,200,945	100.0	2,311,806	100.0	13,904,800	100.0
Rate of activity[1]	50.8 %		50.4 %		47.9 %	
EMPLOYED POPULATION 1986[2]						
Per economic sector						
Agriculture	4,843	0.5	102,800	5.6	1,707,000	15.6
Industry	348,139	38.5	663,400	36.1	2,264,300	24.3
Construction	36,258	4.0	128,700	7.0	877,400	8.0
Services	516,326	57.0	941,200	51.3	5,722,200	52.1
Total	905,566	100.0	1,836,100	100.0	10,970,900	100.0
UNEMPLOYMENT TREND						
Registered unemployment and rates 1984-1988[3]						
1984	260,550	21.7	446,340	20.0	2,604,193	19.3
1985	263,902	22.0	461,800	20.6	2,731,505	20.0
1986	269,263	22.4	472,213	20.3	2,901,825	20.9
1987	270,352	22.5	445,125	18.3	3,023,646	20.8
1988	216,491	18.0	365,411	15.1	2,772,085	18.9

Source:
— Official Chamber of Commerce, Industry and Navigation, Barcelona (COCINB). Statistics and information bulletin.
— INE: Active Population Survey (EPA)
— CIDC: Municipal census 1986. Socio-economic structure of the population. Bk II. Vol. 2 / Catalonia Statistics Yearbook 1988.
— Ministry of Labour and Social Security, INEM, Barcelona 1987.
— Generalitat of Catalonia. Employment Dept. General Employment Management. Evaluation and attendance Service to unemployment.
(1) The relationship between the active population and the population of 16 years and over.
(2) Employed population of 16 years and over.
(3) Unemployment rate: (Unemployed population / Active population) × 100.

PORT AND AIRPORT

	AMB	CATALONIA	SPAIN
PORT TRAFFIC 1988			
Vessel movement	6.495	9,196	42,781
%	15.2	21.5	100.0
Movement of merchandise (thousands of tons)[1]	17,963	42,190	226,509
common loud	6,472	7,266	47,645
%	13.6	15.3	100.0
solids in bulk	4,752	11,204	66,495
%	7.1	16.8	100.0
liquids in bulk	6,739	23,720	112,369
%	6.0	21.1	100.0
AIRPORT TRAFFIC 1988			
(Shedule flight)			
Movement of aircraft[2]	82,396	82,432	414,226
%	19.9	19.9	100.0
Passenger movement	6,816,340	6,817,873	37,162,909
%	18.3	18.3	100.0
Moviment of merchandise (kg)	51,137,226	51,137,606	339,983,049
%	15.0	15.0	100.0

Source: IEC. Catalonia Statistics Yearbook 1989.
(1) Victuals, fishing and local movement is not included.
(2) The movement of military, State, private or aerial works aircraft is not included.

SOCIO-ECONOMIC POINTERS

	BARCELONA	AMB	CATALONIA	SPAIN
Disposable family income 1985 (millions pesetas)	1,461,155	2,244,222	4,040,288	22,602,036
Per capita (thousands pesetas)	860.8	730.1	681.1	570.6
Telephones 1988[1]	809,814	1,240,775	2,063,713	10,236,408
Per 1,000 inhabitants	474.0	400.6	343.8	267.6
Automobiles 1987	591,383	969,233	1,912,378	10,218,526
Per 1,000 inhabitants	347.1	313.9	318.6	267.2
Goods vehicles 1987	69,193	124,597	332,947	1,821,743
Per 1,000 inhabitants	40.6	40.3	55.5	47.3
Bank branches 1988	1.097	1,529	3,094	16,691
Inhabitants per branch	1,563	2,036	1,939	2,320
Savings Banks branches 1988	1,086	1,619	3,242	12,252
Inhabitants per branches	1,579	1,922	1,850	3,161
Hospital beds 1986[2]	10,681	15,423	28,541	181,985
Per 1,000 inhabitants	6.3	5.0	4.8	4.7
Hotel places 1988	22,398	24,561	181,686	907,921
Per 1,000 inhabitants	13.1	7.9	30.3	23.4
Camping places 1988	0	17,547	193,107	457,369
Per 1,000 inhabitants	0	5.6	32.2	11.8

Source:
— IEC: Catalonia Statistics Yearbook 1989 / Municipal Statistics Bank (BEM).
— Ministry of the Interior. Traffic Headquarters.
— FECSA, ENHER, Hydroeléctrica Catalonia, CTNE: Data submitted direct.
— Barcelona Town Council. Treasury. Research Dept.: «An estimation of disposable family income per head in Barcelona, her districts and the 27 municipalities of the Barcelona Metropolitan Corporation. 1985» Statistics Yearbook of the City of Barcelona 1988.
(1) For Catalonia and Spain, the number of telephone, is from 1987.
(2) For Spain, the number of hospital beds is from 1985.

EUROPEAN METROPOLITAN CITIES AND AREAS

POINTERS 1986

	Surface area (Km^2)	Population (Inhabitants)	Density (Inhab./Km^2)	Automobiles per 1,000 inhab.	Telephones (lines) per 1,000 inhab.	Consumption domestic electricity (Gwh)
AMSTERDAM[1]	207.60	679,363	3,272	306.6	567.3	581
	825.00	1,024,961	1,242	336.3	—	—
BARCELONA	97.62	1,701,812	17,433	356.1	429.9	1,162(2)
	585.00	3,083,353	5,271	320.0	340.5	1,908(2)
BRUSSELS	32.92	136,944	4,160	—	569.6	4,685
	161.79	976,536	6,036	374.7	435.1	16,643
COPENHAGEN[2]	97.00	556,264	5,735	183.6	697.5	2,843
	986.00	1,346,666	1,366	—	594.1	8,257
DUBLIN	112.00	502,337	4,485	—	—	512
	922.00	1,020,796	1,107	190.3	27.1	1,517
GENEVA	239.55	727,427	3,037	—	729.1	443
	—	—	—	—	—	—
GLASGOW[1]	198.00	733,794	3,706	156.0	—	1,256
	13,850.00	2,358,727	170	200.3	—	—
HAMBURG[1]	754.69	1,579,884	2,093	703,7	—	3,958
	1,416.94	—	—	—	—	—
LILLE	22.00	154,808	7,037	—	535.1	—
	628.00	1,047,603(3)	1,668(3)	—	373.3	—
LISBON	83.84	829,400	9,893	—	—	435
	2,521.44	2,578,500	1,023	—	—	140
LONDON[1]	3.00	5,100	1,700	—	—	—
	1,600.95	6,767,500	4,227	—	574.9	10,909
LYONS	47.87	412,507(3)	8,617(3)	419.1	648.6	864
	500.00	1,101,208(3)	2,202(3)	419.4	648.6	1,867
MADRID	605.80	3,058,182	5,048	317.4	394.7	3,762
	8,027.90	4,786,488	596	286.7	554.4	3,712
MARSEILLES	240.00	840,000	3,500	381.0	—	1,000
	830.00	1,108,660	1,336	578.5	657.4	—
MILAN	181.76	1,495,260	8,227	1,144.6	952.2(*)	1,130
	1,186.84	3,221,325	2,714	—	521.4(*)	2,048
MUNICH[1]	310.39	1,281,613	4,129	419.8	677.3	1,435
	5,504.40	2,315,899	421	426.9	—	—
PARIS	105.40	2,176,243(3)	20,647(3)	—	—	9,528
	12,012.00	10,071,068(3)	838(3)	364.0	523.9	12,704
ROME	1,507.60	2,826,488	1,875	484.7	436.5	2,700
	—	—	—	—	—	—
ROTTERDAM	273.44	571,374	2,090	297.4	—	4,425
	—	—	—	—	—	—
STOCKHOLM	216.00	659,030	3,051	318.3	—	—
	4,900.00	1,435,474	293	—	—	—
VIENNA[1]	414.95	1,492,864	3,598	332.0	565.4	2,279
	1,109.00	—	—	—	—	—

Source: «CITIES. Statistic, Administrative and Graphic information of the Major Urban Conglomerations of the World» Various authors. MOPU/CMB. Barcelona 1988. / Notes: (1) 1985; (2) 1987; (3) 1982.
(*) The data includes one municipality of the Area.

City. Metropolitan Area.

EUROPEAN METROPOLITAN AREAS AND CITIES

ACTIVITY/EMPLOYMENT 1980

			Distribution employment							
	Active population	Unemployment rate	Primary employed	%	Secondary employed	%	Tertiary employed	%	Non-specified employed	%
AMSTERDAM	312,650	10.5	600	0.2	61,470	22.0	217,683	77.8	—	—
	—	—	4,700	1.1	88,700	20.9	331,100	78.0	—	—
BARCELONA (1)	683,578	17.0	1,619	0.3	213,262	37.6	342,864	60.4	9,504	1.7
	1,186,057	20.7	5,217	0.5	414,389	44.1	497,149	52.9	23,544	2.5
BRUSSELS	—	—	—	—	—	—	—	—	—	—
	404,306	10.3	473	0.1	63,700	17.6	255,553	70.5	43,010	11.9
COPENHAGUEN	301,142	11.4	679	0.3	48,909	18.3	215,872	80.9	1,246	0.5
	—	—	4,161	0.6	145,448	20.4	561,014	78.6	3,306	0.5
DUBLIN	227,942	11.3	649	0.3	64,901	32.1	136,698	67.6	—	—
	399,300	9.6	3,100	0.9	112,700	31.2	212,800	58.9	32,500	9.0
GENEVA	292,455	9.4	2,157	0.8	81,715	30.8	181,130	68.4	—	—
	—	—	—	—	—	—	—	—	—	—
GLASGOW	358,455	19.2	250	0.1	103,710	35.8	184,180	63.6	1,382	0.5
	1,117,962	15.5	12,420	1.3	362,050	38.3	566,580	60.0	3,353	0.4
HAMBURG	763,224	1.9	—	—	—	—	—	—	—	—
	821,081	4.8	—	—	—	—	—	—	—	—
LILLE	71,268	12.2	96	0.2	16,388	26.2	46,074	73.7	—	—
	443,992	10.4	4,644	1.2	147,148	37.0	245,964	61.8	—	—
LISBON	—	—	1,604	0.5	83,248	23.9	263,623	75.6	85	0.0
	—	—	25,214	2.4	360,768	34.5	659,989	63.1	274	0.0
LONDON	3,510	7.4	—	—	270	8.3	2,920	89.8	60	1.8
	3,369,591	8.6	4,450	0.1	841,750	27.3	2,197,420	71.4	35,042	1.1
LYONS	221,759 (2)	29.5	124	0.1	48,588	31.1	107,736	68.9	—	—
	460,000	8.5	596	0.1	153,512	36.5	266,588	63.4	—	—
MADRID	1,161,265	16.3	3,892	0.4	282,188	29.0	686,008	70.6	—	—
	1,679,900	16.4	17,000	1.2	469,000	33.4	879,500	62.6	38,700	2.8
MARSEILLES	341,864	13.7	1,224	0.4	67,068	22.7	226,740	76.9	—	—
	418,105 (2)	8.8	2,844	0.7	96,212	25.2	282,400	74.0	—	—
MILAN	696,032	—	—	—	—	—	—	—	—	—
	1,441,720	—	—	—	—	—	—	—	—	—
MUNICH	716,000	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—
PARIS	—	—	—	—	359,000	19.8	1,454,000	80.2	—	—
	4,803,805	2.1	29,200	0.6	1,440,532	30.6	3,235,012	68.8	—	—
ROME	1,143,036	13.0	17,537	1.8	210,946	21.2	766,192	77.0	—	—
	—	—	—	—	—	—	—	—	—	—
ROTTERDAM	214,000	11.4	1,200	0.6	50,700	26.7	125,700	66.3	12,000	6.3
	—	—	—	—	—	—	—	—	—	—
STOCKHOLM	—	—	727	0.2	63,941	17.6	298,632	82.2	—	—
	—	—	—	—	—	—	—	—	—	—
VIENNA	816,053	11.7	5,187	0.7	250,360	34.8	464,623	64.5	—	—
	1,006,659	4.8	23,120	2.4	349,156	36.4	585,955	61.1	—	—

Source: «CITIES. Statistic, Administrative and Graphic information of the Major Urban Conglomerations of the World» Various authors. MOPU/CMB. Barcelona 1988. / Note: (1) 1981; (2) 1975.

City Metropolitan Area.

THE BASIC STATISTICS OF THE BARCELONA METROPOLITAN AREA

POPULATION

POPULATION TRENDS 1950-1989

Participation in the whole of Catalonia

	BARCELONA		REST OF AMB		TOTAL AMB		CATALONIA	
	Ths. Inhabs.	%	Ths. Inhabs.	%	Ths. Inhabs.	%	Ths. Inhabs.	%
1950	1,277	39.7	265	8.2	1,542	47.9	3,219	100.0
1960	1,527	39.3	450	11.6	1,977	50.8	3,888	100.0
1970	1,742	34.1	983	19.2	2,725	53.3	5,108	100.0
1975	1,751	30.9	1,258	22.2	3,009	53.2	5,660	100.0
1981	1,753	29.4	1,392	23.4	3,145	52.8	5,956	100.0
1986	1,702	28.5	1,381	23.1	3,083	51.6	5,979	100.0
1987	1,704	28.4	1,384	23.1	3,088	51.5	5,999	100.0
1988	1,714	28.5	1,398	23.2	3,112	51.7	6,017	100.0
1989	1,712	28.0	1,408	23.0	3,121	50.9	6,125	100.0

Source: 1960-1986: INE & CIDC. Census of the corresponding years.
1987-1989: Rectification of Municipal census.

TOTAL AND RELATIVE GROWTH BY PERIODS. 1950-1986

(accumulative annual %)

	BARCELONA		REST OF AMB		TOTAL AMB		CATALONIA	
	Ths. Inhabs.	%	Ths. Inhabs.	%	Ths. Inhabs.	%	Ths. Inhabs.	%
1950-1960	250	1,80	185	5,44	435	2,52	669	1.91
1960-1970	215	1,33	533	8,13	748	3,26	1,220	2.77
1970-1975	9	0,10	275	5,06	284	2,00	552	2.07
1975-1981	2	0,02	134	2,04	136	0,89	296	1.02
1981-1986	–51	–0,59	–11	–0,16	–62	–0,40	23	0.08

Source: INE & CIDC. Census of the corresponding years.

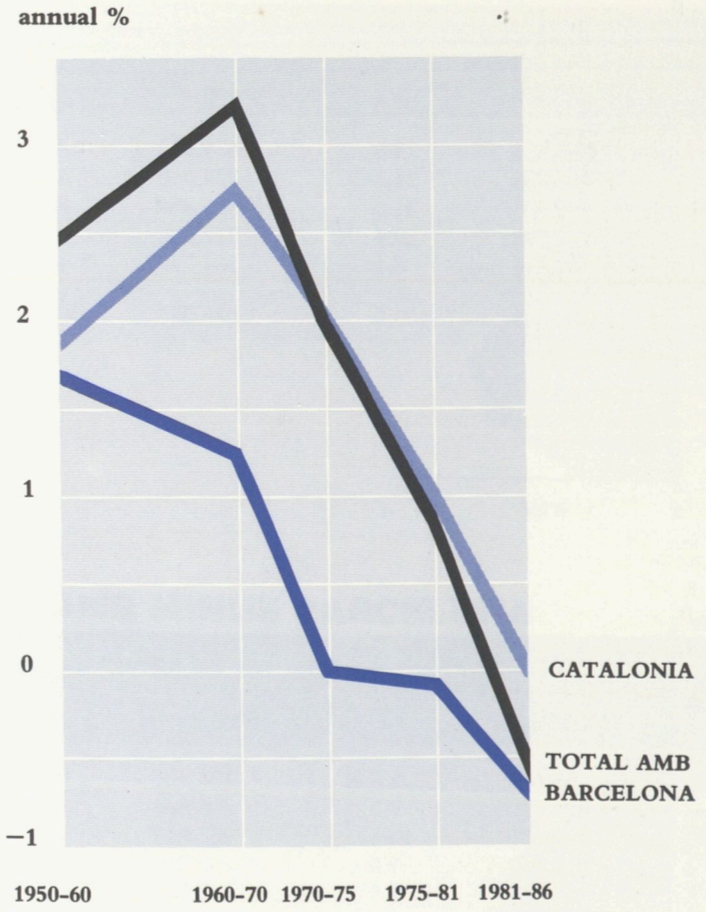
POPULATION DENSITY 1986

	SURFACE AREA		POPULATION		DENSITY
	Km^2	%	Inhabs.	%	Inhabs./Km^2
AMB					
Barcelona	98	0.3	1,701,812	28,5	17.365
Rest of AMB	487	1.5	1,381,541	23,1	2.837
Total AMB	585	1.8	3,083,353	51,6	5.271
CATALONIA					
Catalonia minus AMB	31,310	98.2	2,895,285	48,4	92
Total Catalonia	31,895	100.0	5,978,638	100,0	187

Source: — Generalitat of Catalonia. Public Works and Territorial Policy Dept. Topographic Map of Catalonia 1:250,000.
— CIDC. Census 1986.

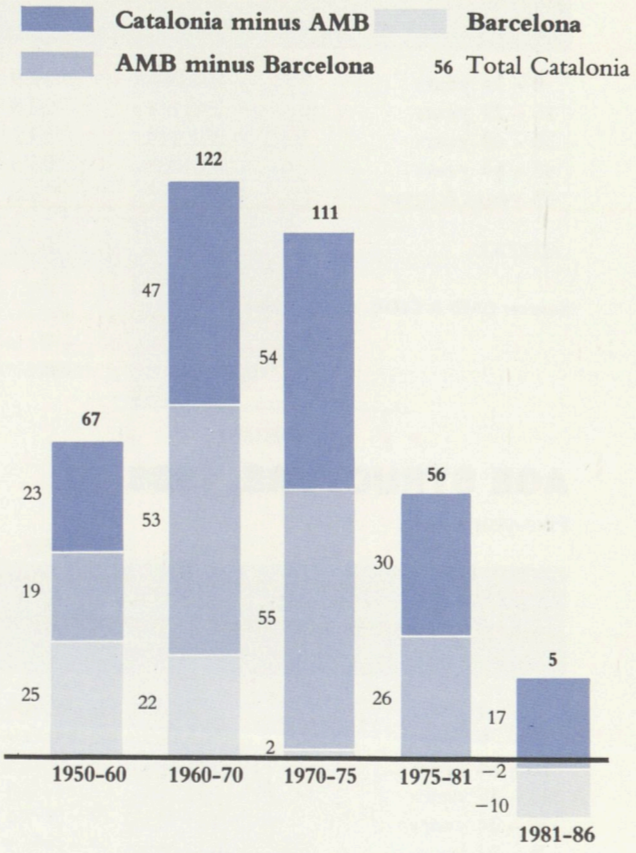
RELATIVE GROWTH 1950-1986

(accumulative annual %)

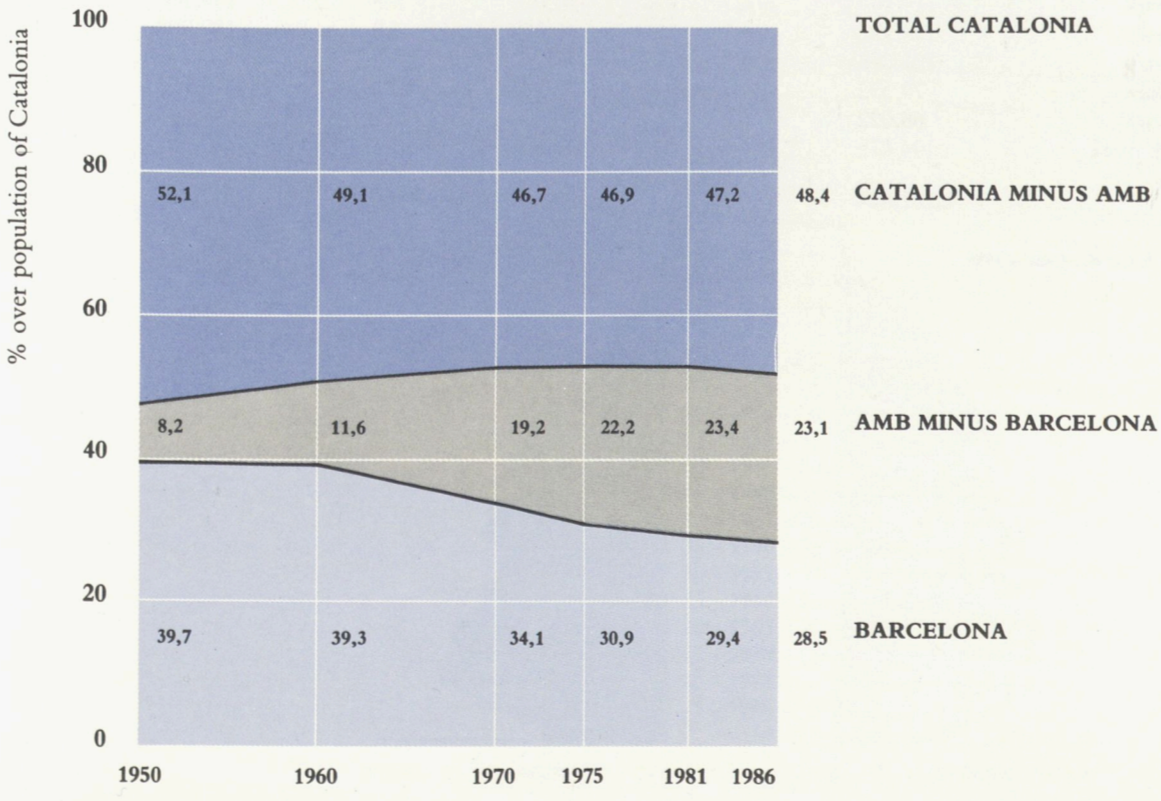


TOTAL GROWTH 1950-1986

Annual averages in thousands of inhabitants



DISTRIBUTION BY TERRITORIAL AREAS



AGE STRUCTURE. 1986

(Large groups)

	BARCELONA		REST OF AMB		TOTAL AMB	
	Inhabitants	%	Inhabitants	%	Inhabitants	%
0 - 14 years	304,286	17.9	353,551	25.6	655,833	21.3
15 - 29 years	388,141	22.8	335,905	24.3	724,046	23.5
30 - 44 years	327,149	19.2	299,345	21.6	626,494	20.3
45 - 64 years	430,007	25.3	282,199	20.4	712,206	23.1
65 years & over	252,229	14.8	112,541	8.1	364,770	11.8
TOTAL	1,701,812	100.0	1.383.541	100,0	3.083.353	100,0

Source: CMB & CIDC. Census 1986.

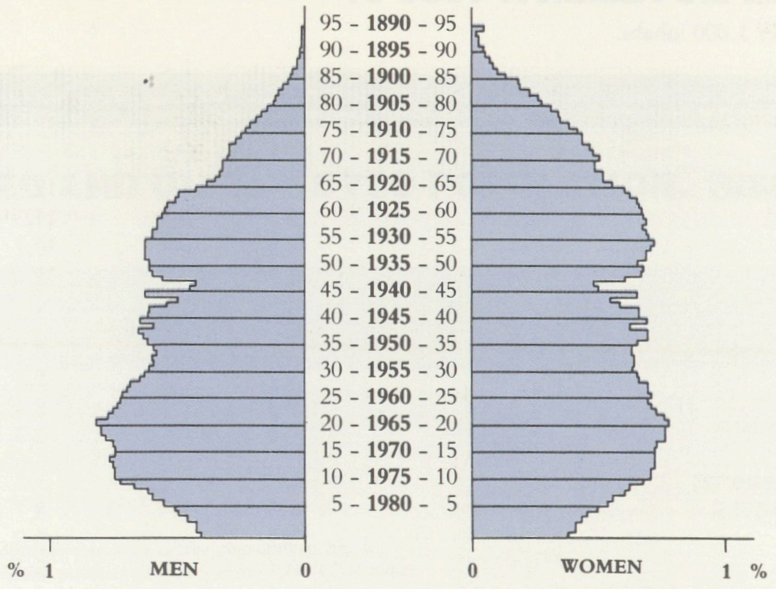
AGE STRUCTURE. 1986

Five-year blocks

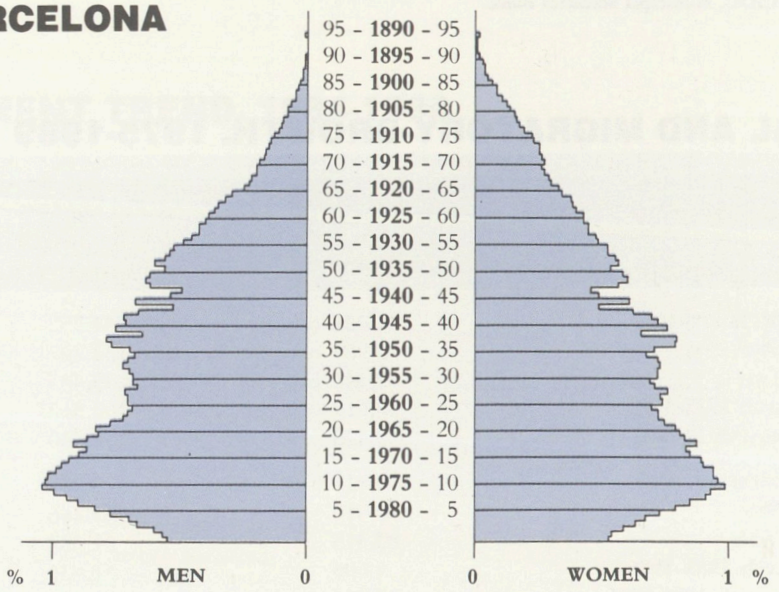
	BARCELONA		REST OF AMB		TOTAL AMB	
	Inhabitants	%	Inhabitants	%	Inhabitants	%
0 - 4 years	75,633	4.4	88,688	6.4	162,321	5.3
5 - 9 years	101,089	5.9	124,793	9.0	225,882	7.3
10 - 14 years	127,564	7.5	140,070	10.1	267,634	8.7
15 - 19 years	132,154	7.8	125,062	9.0	257,216	8.3
20 - 24 years	133,971	7.9	108,757	7.9	242,728	7.9
25 - 29 years	122,016	7.2	102,086	7.4	224,102	7.3
30 - 34 years	108,735	6.4	101,374	7.3	210,109	6.8
35 - 39 years	112,225	6.6	103,090	7.5	215,315	7.0
40 - 44 years	106,189	6.2	94,881	6.9	201,070	6.5
45 - 49 years	98,026	5.8	80,627	5.8	178,653	5.8
50 - 54 years	114,164	6.7	80,004	5.8	194,168	6.3
55 - 59 years	113,732	6.7	66,858	4.8	180,590	5.9
60 - 64 years	104,085	6.1	54,710	4.0	158,795	5.1
65 - 69 years	79,332	4.7	38,721	2.8	118,053	3.8
70 - 74 years	68,022	4.0	30,996	2.2	99,018	3.2
75 years & over	104,875	6.2	42,824	3.1	147,699	4.8
TOTAL	**1,701,812**	**100.0**	**1,383,541**	**100.0**	**3,083,353**	**100.0**

Source: CMB & CIDC. Census 1986.

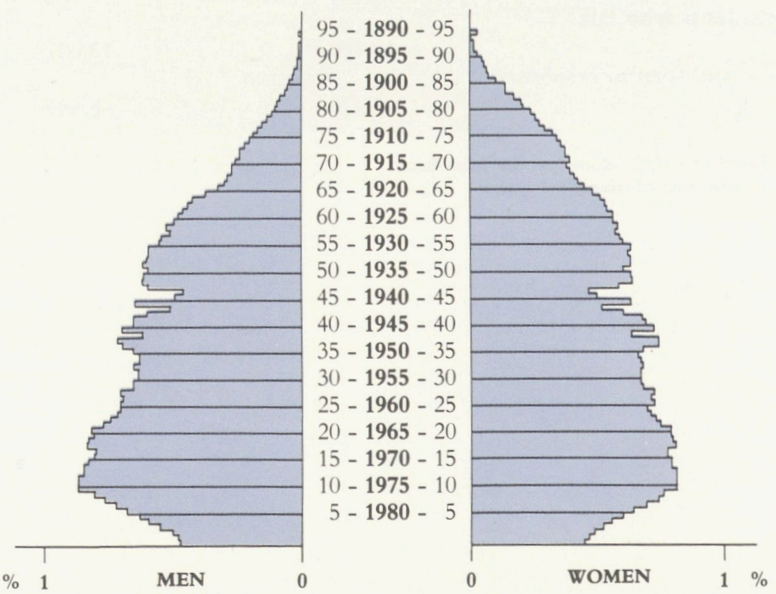
BARCELONA



AMB MINUS BARCELONA



TOTAL AMB



NATURAL MOVEMENT. 1980-87

Annual rates per 1,000 inhabs.

	BARCELONA	REST OF AMB	TOTAL AMB
BIRTHS			
Average 1980-1985	10.8	12,6	11,6
1985	9.3	11,3	10,2
1986	8.9	10,7	9,7
1987	8.5	10,2	9,3
DEATHS			
Average 1980-1985	9.5	3,9	7,0
1985	9.1	5,4	7,4
1986	9.3	5,4	7,6
1987	9.2	5,7	7,6
NATURAL GROWTH			
Average 1980-1985	1.3	8,7	4,6
1985	0.2	5,9	2,8
1986	–0.4	5,3	2,1
1987	–0.7	4,5	1,7

Source: based on CIDC. Municipal Statistics Bank.

NATURAL AND MIGRATORY GROWTH. 1975-1989

	BARCELONA	REST OF AMB	TOTAL AMB
	Inhabitants	Inhabitants	Inhabitants
TOTAL GROWTH 1975-1981	1,491	134,752	136,243
Births 1975-1981	132,959	132,777	265,736
Deaths 1975-1981	82,340	30,465	112,805
Natural growth 1975-1981	50,619	102,312	152,931
Migratory growth 1975-1981	–49,128	32,440	–16,688
TOTAL GROWTH 1981-1986	–50,815	–10,845	–61,660
Births 1981-1986	90,910	83,166	174,076
Deaths 1981-1986	83,815	31,332	115,147
Natural growth 1981-1986	7,095	51,834	58,929
Migratory growth 1981-1986	–57,910	–62,679	–120,589
Number of new residents, 1987-1989	5,654	7,704	13,358
Number of residents who left 1987-1989	11,130	13,651	24,781
Balance of new and former residents 1987-1989	–5,476	–5,947	–11,423

Source: 1975-1986: based on CIDC. Municipal Statistics Bank.
1987-1989: rectification of municipal census.

ACTIVITY/EMPLOYMENT

ACTIVE, EMPLOYED AND UNEMPLOYED POPULATION. 1986

(Population of 16 years & over)

	BARCELONA		REST OF AMB		TOTAL AMB	
	Active	%	Active	%	Active	%
ACTIVE POPULATION	679,439	100.0	519,294	100.0	1,198,733	100.0
Employed	535,236	78.8	374,633	72.1	909,869	75.9
Previously employed unemployed	94,596	13.9	87,393	16.8	181,989	15.2
Seeking 1st employment	49,607	7.3	57,239	11.0	106,846	8.9

Source: CIDC. Census 1986. Socio-economic structure of the population. Bk. I.
Note: This information is not available for municipalities of under 5,000 inhabitants.
Of these there are 7 (Begues, Castellbisbal, El Papiol, Sant Climent de Llobregat, Santa Coloma de Cervelló, Tiana i Torrelles de Llobregat) and they amount to 19,182 inhabitants (0.6 % of the total AMB population).

THE UNEMPLOYMENT TREND. 1984-1989

	BARCELONA		REST OF AMB		TOTAL AMB	
	Registered unemployment	Unemployment rate(1)	Registered unemployment	Unemployment rate(1)	Registered unemployment	Unemployment rate(1)
1984	121,953	17.9	138,597	26.6	260,550	21.7
1985	127,363	18.7	136,539	26.2	263,902	22.0
1986	126,373	18.6	142,890	27.4	269,263	22.4
1987	126,653	18.6	143,699	27.6	270,352	22.5
1988	115,007	16.9	128,032	24.3	243,039	20.1
1989	91,133	13.4	99,255	18.8	190,388	15.8

Source:
— Ministry of Employment and Social Security. INEM. Barcelona.
— COCINB. Statistics and information bulletin. 1963-1988.
— CIDC. Catalonia Statistics Yearbook. 1989. / Municipal census 1986. / Municipal Statistics Bank.
(1) Unemployed rate: (Unemployed population / Active population) × 100.

EMPLOYED POPULATION ACCORDING TO SECTORS OF ACTIVITY. 1986

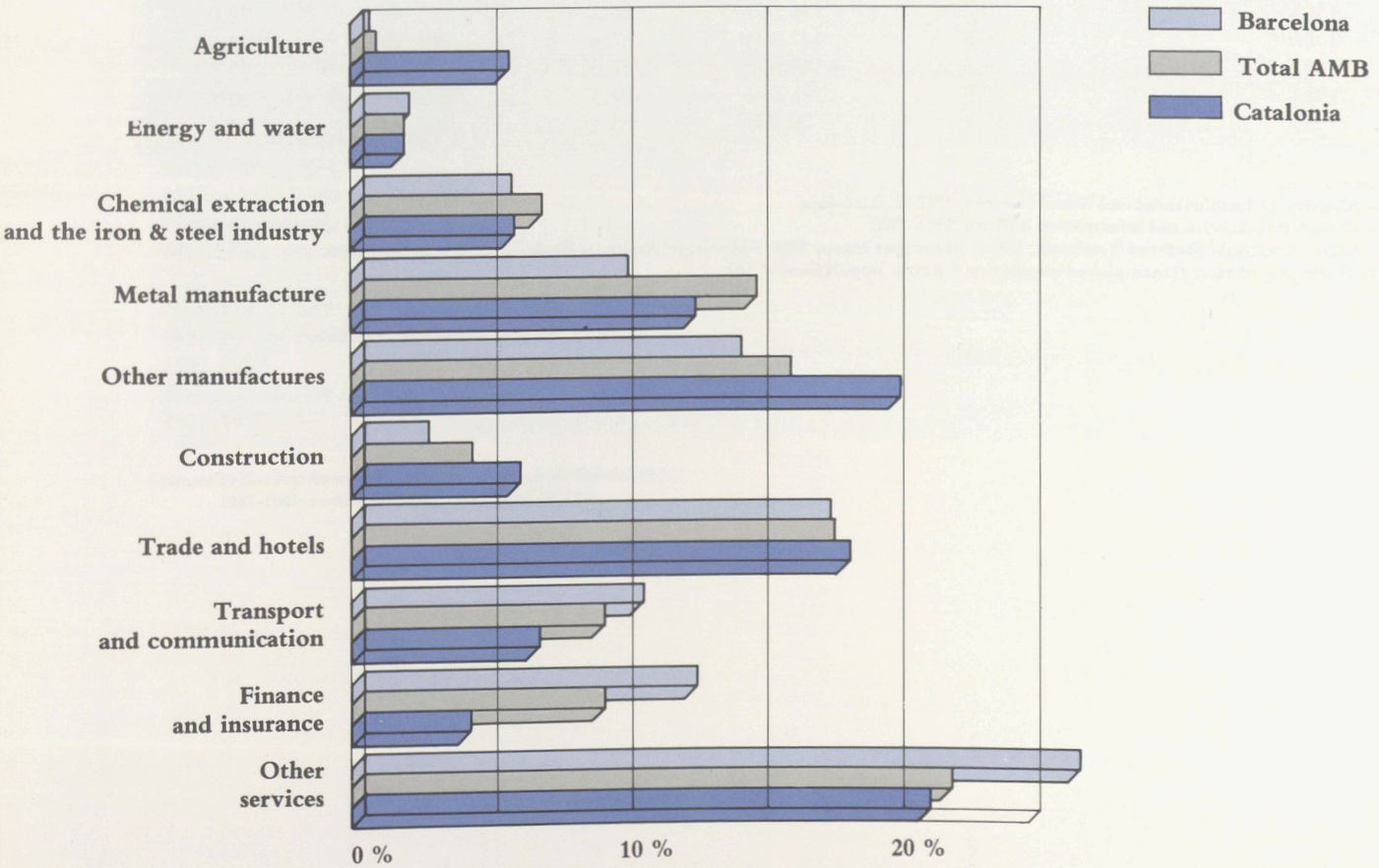
(Population of 16 years & over)

	BARCELONA		REST OF AMB		TOTAL AMB	
	Employed	%	Employed	%	Employed	%
Agriculture, stockbreeding	892	0.2	3,370	0.9	4,262	0.5
Energy and water	7,311	1.4	3,264	0.9	10,575	1.2
Mining and non-energetics mineral working	34,497	6.4	27,022	7.2	61,519	6.8
Metal & working industries	42,086	7.9	67,734	18.1	109,820	12.1
Other manufacturing industries	60,301	11.3	60,190	16.1	120,491	13.2
Construction	10,453	2.0	20,492	5.5	30,945	3.4
Trade, hotels, repairs	84,746	15.8	64,557	17.2	149,303	16.4
Transport and communications	43,865	8.2	25,854	6.9	69,719	7.7
Finance, insurance & services to companies	53,661	10.0	15,026	4.0	68,687	7.5
Other services	115,300	21.5	57,034	15.2	172,334	18.9
Not known	82,124	15.3	30,090	8.0	112,214	12.3
Total	**535,236**	**100,0**	**374.633**	**100,0**	**909.869**	**100,0**

Source: CIDC. Census 1986. Socio-economic structure of the population. Bk. II.
Note: This information is not available for municipalities of under 5,000 inhabitants.

EMPLOYED POPULATION ACCORDING TO SECTORS OF ACTIVITY

Percentage distribution



EMPLOYED POPULATION ACCORDING TO SOCIO-PROFESSIONAL CATEGORIES. 1986

(Population of 16 years & over)

	BARCELONA	%	REST OF AMB	%	TOTAL AMB	%
Professionals & technicians	95,470	17.8	33,306	9.0	128,776	14.2
Directors	38,151	7.1	6,322	1.7	44,473	4.9
Administrative services	101,190	18.9	43,620	11.8	144,810	16.0
Tradespersons and Sales Staff	58,834	11.0	41,460	11.2	100,294	11.1
Hotels & other services	45,270	8.5	38,841	10.5	84,111	9.3
Farming & fishing	1,453	0.3	3,520	0.9	4,973	0.5
Industrial workers	111,100	20.9	197,504	53.3	308,604	34.1
Professional armed forces	1,317	0.2	463	0.1	1,780	0.2
Not known	82,098	15.3	5,677	1.5	87,775	9.7
Total	**534,883**	**100.0**	**370,713**	**100.0**	**905,596**	**100.0**

Source: CIDC. Census 1986. Socio-economic structure of the population. Bk. II.
Note: This information is not available for municipalities of under 5,000 inhabitants.

TERRITORIAL DISTRIBUTION OF EMPLOYMENT. 1986

	BARCELONA	REST OF AMB	TOTAL AMB
Resident employed population (A)	522,393	371.202	893.595
(Journeys to work generated)	58.5 %	41,5 %	100,0 %
Local work places (B)	626,635	263.400	890.035
(Journeys to work attracted)	70.4 %	29,6 %	100,0 %
Employment balance (B-A)	104,242	−107,802	−3,560
(+) In excess of work places			
(−) In deficit of work places			
Attraction index (B/A)	1.2	0,7	1,0

Source: based on CIDC information. Running of intermunicipal mobility derived from Municipal Census 1986.

ECONOMY

DISPOSABLE FAMILY INCOME PER CAPITA. 1985

	In pesetas	Index Barcelona Base 100	Index Catalonia Base 100	Index Spain Base 100
Barcelona	860,830	100.00	126.38	150.86
AMB	730,147	84.82	107.19	127.96
AMB minus Barcelona	567,470	65.92	83.31	99.45
Barcelona province	681,669	79.19	100.08	119.46
Province minus AMB	586,021	68.08	86.03	102.70
Catalonia	681,146	79.13	100.00	119.37
Spain	570,623	66.29	83.77	100.00

Source: Barcelona Town Council. Treasury. Research Dept. «An estimation of disposable family income per head in Barcelona, its districts and the 27 municipalities of the Barcelona Metropolitan Corporation. 1985». Note: CMB area. (see p. 12).

COMMERCIAL LICENCES. 1987

	BARCELONA	REST OF AMB	TOTAL AMB
Food	16,954	14,026	30,980
Textiles & leather	10,129	5,154	15,283
Wood	5,280	2,830	8,110
Chemicals	4,219	2,515	6,734
Construction	2,699	1,365	4,064
Metals	2,965	1,415	4,380
Machinery	7,821	3,160	10,981
Travelling sales	27	42	69
Unclassified trade	3,903	2,122	6,025
Total	**53,997**	**32,629**	**85,626**

Source: BANESTO. The Spanish Market Yearbook. 1988, 1989. Note: For those municipalities of under 3,000 inhabitants. (Begues, Sant Climent de Llobregat, Santa Coloma de Cervelló, Torrelles de Llobregat), the information corresponds to the year 1986.

INDUSTRIAL INVESTMENTS. 1989

	BARCELONA	%	REST OF AMB	%	TOTAL AMB	%
Expansions						
Amount invested (ths.)	5,333,716	15,6	4.740.829	13,9	10.074.545	29,4
Places of work	480	11,2	810	18,9	1.290	30,0
Power installed (Kw)	10,960	12,6	13.540	15,6	24.500	28,2
New industries						
Amount invested (ths.)	2,223,424	6.4	13,606,653	38.9	15,830,077	45.3
Places of work	1,599	11.8	4,256	31.3	5,855	43.1
Power installed (Kw)	7,844	5.5	51,785	36.2	59,629	41.7
Total						
Amount invested (ths.)	7,557,140	10.9	18,347,482	26.5	25,904,622	37.5
Places of work	2,079	11.6	5,066	28.3	7,145	40.0
Power installed (Kw)	18,804	8.2	65,325	28.4	84,129	36.6

Source: Generalitat of Catalonia. Dept. of Industry and Energy.
Note: Percentage over the whole of Catalonia.

ELECTRICITY CONSUMPTION

	1987			1988		
	BARCELONA	REST OF AMB	TOTAL AMB	BARCELONA	REST OF AMB	TOTAL AMB
Domestic uses						
Mw-h	1,162,162	746,145	1,908,307	1,166,778	811,438	1,978,216
Kw-h/inhabitant	682.1	539.0	618.0	688.9	587.1	643.1
Commercial-Industrial						
Low tension (Mw-h)	1,700,900	1,067,002	2,767,902	1,768,272	1,171,573	2,939,845
High tension (Mw-h)	961,919	1,684,539	2,646,458	996,760	1,893,687	2,890,447
Kw-h/inhabitant	1,562.9	1,987.6	1,753.3	1,632.5	2,217.7	1,895.5
Traction (Mw-h)	136,145	100,055	236,200	134,539	112,155	246,694

Source: FECSA, ENHER, Hidroeléctrica de Cataluña, S.A. (Direct use of data).

GAS CONSUMPTION

	1987			1988		
	BARCELONA	REST OF AMB	TOTAL AMB	BARCELONA	REST OF AMB	TOTAL AMB
REGISTRATION OF NATURAL GAS (thousands of therms)						
Domestic-commercial	2,083,574	644,929	2,728,503	2,047,199	690,665	2,737,864
Per inhabitant	1.22	0.47	0.88	1.21	0.50	0.89
Industrial	1,837,963	3,132,481	4,970,444	2,939,602	3,412,865	6,352,467
Per inhabitant	1.08	2.26	1.61	1.74	2.47	2.07

Source: Catalana de Gas i Electricitat. Direct use of data.

WATER CONSUMPTION

	1987			1988		
	BARCELONA	REST OF AMB	TOTAL AMB	BARCELONA	REST OF AMB	TOTAL AMB
WATER SUPPLY[1] (thousands of m^3)						
Domestic	109,328	74,514	183,842	111,430	81,364	192,794
Industrial-commercial	61,758	27,002	88,760	62,432	26,726	89,159
Municipal services	17,503	4,433	21,936	16,990	4,672	21,662
Total litres/inhab. & day	303.3	209.7	261.3	308.7	223.5	270.4

Source:
— EMSHTR Water Service.
(1) For the year 1988, the municipalities of Papiol and Pallejà (9,000 inhabitants, 0.29 % of the population of the AMB) are not included.

HOUSING

HOUSING CENSUS. 1981

	BARCELONA		REST OF AMB		TOTAL AMB	
	Total	%	Total	%	Total	%
Total population	1.752.627		1,392,386		3,145,013	
Total families	578.058		387,053		965,111	
Total family dwellings	673,514	100.0	472,059	100.0	1,145,573	100,0
Occupied	594,237	88.2	405,419	85.9	999,656	87,3
Main	579,838		381,077		960,915	
Secondary	14,399		24,342		38,741	
Unoccupied	79,277	11.8	66,640	14.1	145,917	12,7
Lodgings	532		205		737	
Group dwellings	1,200		240		1,440	

Source: Housing census in Spain 1981.

FAMILY DWELLINGS OCCUPIED ACCORDING TO CHARACTERISTICS. 1981

	BARCELONA		REST OF AMB		TOTAL AMB	
	Total	%	Total	%	Total	%
Total	594,230	100.0	393,779[(1)]	100.0	988,009	100.0
Type of occupancy						
Owned	295,779	49.8	285,511	72.5	581.290	58,8
Rented	273,375	46.0	91,321	23.2	364.696	36,9
Others	25,076	4.2	16,947	4.3	42.023	4,3
Usable surface (m^2)						
Up to 60	195,274	32.9	140,751	35.7	336,025	34,0
61 - 90	276,482	46.5	211,758	53.8	488,240	49,4
91 - 120	78,870	13.3	28,722	7.3	107,592	10,9
121 & over	43,604	7.3	12,548	3.2	56,152	5,7

Source: Housing census 1981. Bk. III.
(1) Information of this kind does not exist for municipalities of under 10,000 inhabitants. It should be pointed out that occupied family dwellings belonging to these municipalities (9) represent 1.2 % of the total AMB.

DWELLINGS FINISHED. 1981-89

	BARCELONA		REST OF AMB		TOTAL AMB	
	Dwellings	%	Dwellings	%	Dwellings	%
Total dwellings						
1981	7,003	100.0	4,494	100.0	11,497	100.0
1982	5,132	100.0	3,699	100.0	8,831	100.0
1983	3,897	100.0	2,834	100.0	6,731	100.0
1984	3,254	100.0	2,441	100.0	5,695	100.0
1985	3,456	100.0	2,782	100.0	6,238	100.0
1986	3,085	100.0	2,797	100.0	5,882	100.0
1987	2,771	100.0	3,410	100.0	6,181	100.0
1988	2,634	100.0	3,638	100.0	6,272	100.0
1989	2,316	100.0	4,399	100.0	6,715	100.0
Council Housing						
1981	874	12.5	1,759	39.1	2,633	22.9
1982	1,069	20.8	2,059	55.7	3,128	35.4
1983	1,669	42.8	1,829	64.5	3,498	52.0
1984	2,228	68.5	1,633	66.9	3,861	67.8
1985	2,695	78.0	2,031	73.0	4,726	75.8
1986	2,467	80.0	2,027	72.5	4,494	76.4
1987	2,110	76.1	2,266	66.5	4,376	70.8
1988	808	30.7	1,944	53.4	2,752	43.9
1989	221	9.5	682	15.5	903	13.4
Private construction						
1981	6,129	87.5	2,735	60.9	8,864	77.1
1982	4,063	79.2	1,640	44.3	5,703	64.6
1983	2,228	57.2	1,005	35.5	3,233	48.0
1984	1,026	31.5	808	33.1	1,834	32.2
1985	761	22.0	751	27.0	1,512	24.2
1986	618	20.0	770	27.5	1,388	23.6
1987	661	23.9	1,144	33.5	1,805	29.2
1988	1,826	69.3	1,694	46.6	1,520	56.1
1989	2,095	90.5	3,717	84.5	5,812	86.6

Source: Generalitat of Catalonia. Dept. of PTOP. D.G. Architecture and Housing Division. «Dwellings begun and finished in the municipalities and districts of Catalonia» 1981-1983, 1984, 1985, 1986, 1987, 1988 & 1989.

LAND USE

GENERAL DISTRIBUTION OF USE OF THE LAND (Ha). 1982

	BARCELONA	%	REST OF AMB	%	TOTAL AMB	%
Non-agrarian land surface	8,774	89.9	27,653	56.7	36,427	62.2
Agrarian land surface	986	10.1	21,117	43.3	22,103	37.8
Useful agrarian land	147	1.5	9,209	18.9	9,356	16.0
Land under cultivation	147	1.5	9,155	18.8	9,302	15.9
Fields and pastures	0	0.0	54	0.1	54	0.1
Forest land	836	8.6	7,340	15.0	8,176	14.0
Others	3	0.0	4,568	9.4	4,571	7.8
Total land surface	**9.760**	**100.0**	**48,770**	**100.0**	**58,530**	**100.0**

Source: INE. Agrarian census 1982.

GENERAL METROPOLITAN PLAN 1976

LAND USE ACCORDING TO URBAN QUALIFICATIONS(1)

	BARCELONA		REST OF AMB(2)		TOTAL AMB(2)	
	Surface Area (Ha.)	%	Surface Area (Ha.)	%	Surface Area (Ha.)	%
Total surface area	10,031.0	100	37,769.0	100	47,800.0	100
Residential	3.127,8	31.2	6,733.8	17.8	9,861.6	20.6
Dense-urban	2.590,5	25.8	2,565.0	6.8	5,155.5	10.8
City-garden	425,3	4.2	2,243.0	5.9	2,668.6	5.6
Urbanizable	112,0	1.1	1,925.5	5.1	2,037.5	4.3
Green areas and equipment	2,220.9	22.1	7,209.0	19.1	9,429.9	19.7
Green areas	1,059.9	10.6	3,151.8	8.3	4,211.7	8.8
Local	727.8	7.3	1,897.3	5.0	2,625.1	5.5
Metropolitan	332.1	3.3	1,254.5	3.3	1,586.6	3.3
Common lands	1,161.0	11.6	4,057.2	10.7	5,218.2	10.9
Local	841.8	8.4	1,799.6	4.8	2,641.4	5.5
Metropolitan	319.2	3.2	2,257.6	6.0	2,576.8	5.4
New tertiary sector areas	13.9	0.1	337.6	0.9	351.5	0.7
Agriculture	—	—	2,898.8	7.7	2,818.8	5.9
Industry	802.0	8.0	2,082.0	5.5	2,884.0	6.0
On urban land	802.0	8.0	1,593.8	4.2	2,395.8	5.0
On urbanizable land	—	—	488.2	1.3	488.2	1.0
Infrastructures	2,286.3	22.8	7,047.1	18.7	4,333.4	9.1
Port, airport	630.8	6.3	1,700.1	4.5	2,330.9	4.9
Road network	1,320.5	13.2	3,820.7	10.1	5,141.2	10.8
Others	335.0	3.3	1,526.3	4.0	1,861.3	3.9
Open spaces	1,580.1	15.8	11,460.7	30.3	13,040.8	27.3

Source: CMB. Based on data from the Dept. of Cartography CMB.
(1) The surface areas are modified under the Partial Plans subsequently approved.
(2) Area of the CMB.

PARTIAL PLANS APPROVED (1976-1987)

	BARCELONA	REST OF AMB	TOTAL AMB
Residential use			
Surface area (Ha.)	148.81	702.64	851.45
Constructable land (m^2)	470,000	2,427,826	2,897,826
Land systems (m^2)	730,000	4,888,695	5,618,695
Constructable roof space (m^2)	126,000	3,101,865	3,228,065
Number of dwellings	1,262	22,597	23,859
Industrial use			
Surface area (Ha.)		584.73	584,73
Constructable land (m^2)		2,350,650	2.350.650
Land systems (m^2)		3,498,164	3.498.164
Constructable roof space (m^2)		2,419,547	2.419.547
Total			
Surface area (Ha.)	148.81	1,287.37	1,436.18
Constructable land (m^2)	470,000	4,778,476	5,248,476
Land systems (m^2)	730,000	8,386,859	9,116,859
Constructable roof space (m^2)	126,200	5,521,412	5,647,612
Number of dwellings	1,262	22,597	23,859

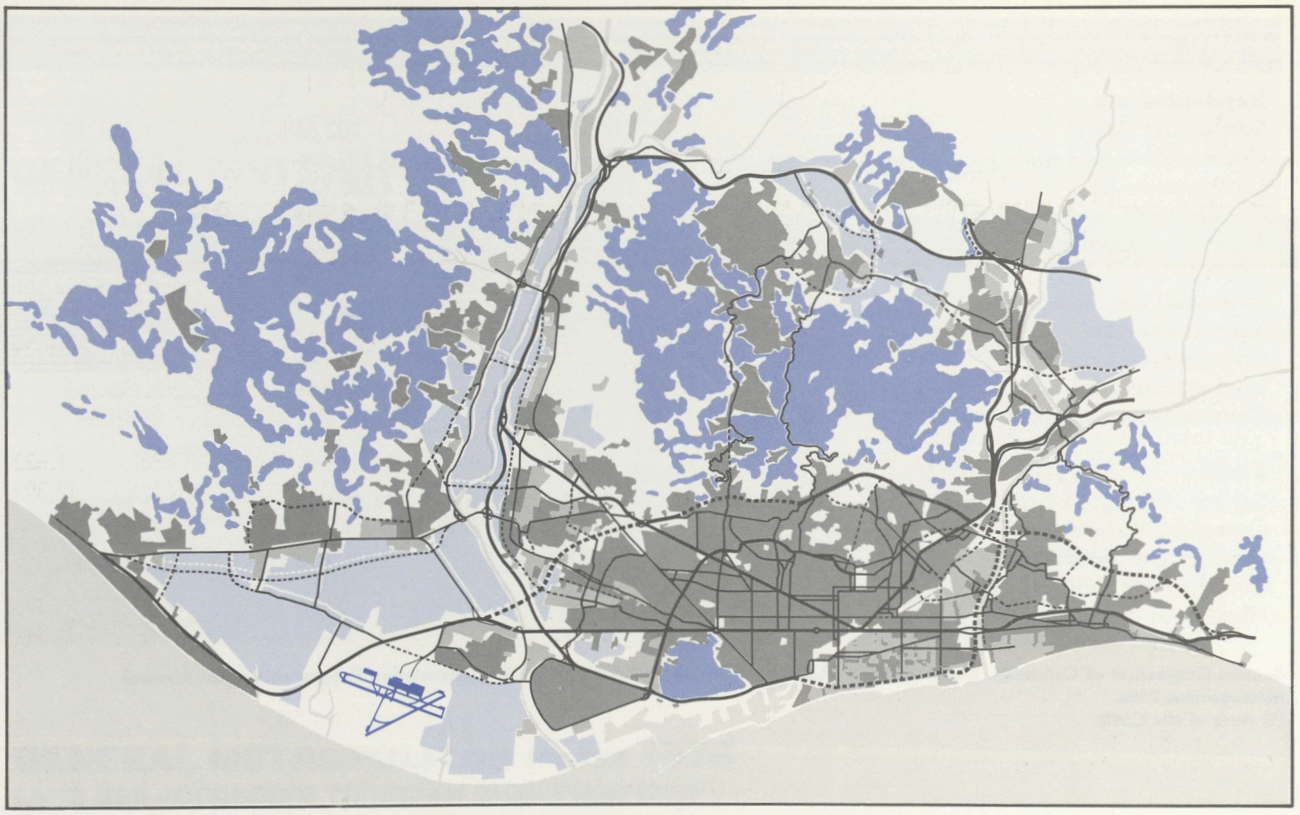
Source: Generalitat of Catalonia. Dept. of PTOP. Urbanism Division. Review of the Implementation Programme of the General Metropolitan Plan.
(1) Area of the CMB.

INDUSTRIAL LAND SURFACE AREA (Ha.). 1986

	BARCELONA	REST OF AMB (*)	TOTAL AMB (*)
Land occupied			
Total land occupied (1)	900,4	1.463,0	2.363,4
Potential land available			
Urban land (2)	47.4	596.7	644,1
Urbanizable land (3)		340.4	340,4
Total land available (2 + 3)	47.4	937.1	984,5
Total industrial land surface			
According PGM (1 + 2 + 3)	947,8	2.400,1	3.347,9

Source: CMB Service Dept. Programming and Finance. Industrial land archive of the CMB 1986.
(1) Industrial land occupied by industries.
(2) Urban land available. Partial Plan approved, but not totally urbanized.
(3) Urbanizable land available without Partial Plan approval.
(*) Area of the CMB.

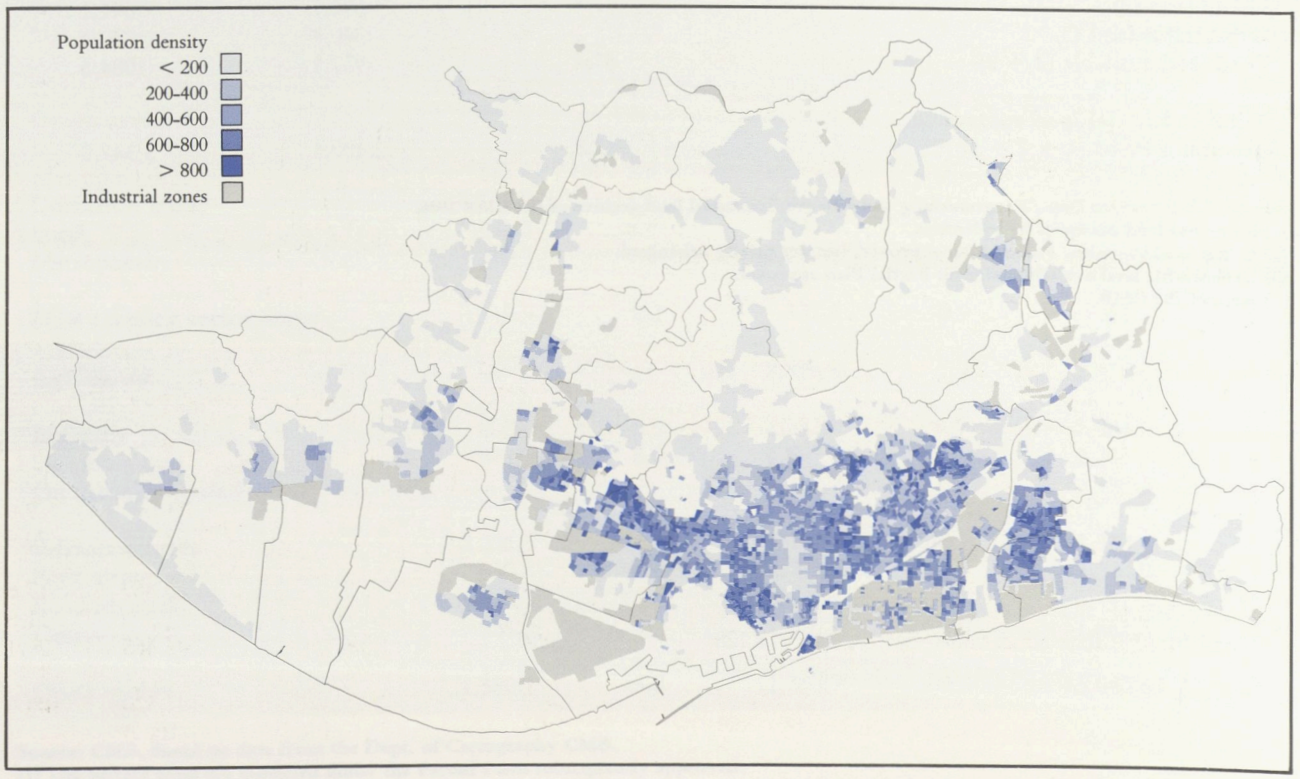
PRINCIPAL LAND USES



Roads
Industry
Residential areas
Woods and forest parks
Agricultural

NET POPULATION DENSITY

Inhabitants/Hectares of urban residential land



HEALTH AND EDUCATION

PRIMARY AND SECUNDARY EDUCATION. YEAR 1987-1988

	BARCELONA		REST OF AMB		TOTAL AMB	
	Public	Private	Public	Private	Public	Private
Pre-school (4 - 5 years)						
Units	512	1,064	921	558	1.433	1.622
Pupils	11,463	25,929	20,052	16,465	31.515	42.394
EGB (6 - 13 years)						
Units	2,503	3,874	4,515	2,504	7.018	6.378
Pupils[1]	63,046	120,159	116,044	85,182	179.090	205.341
BUP-COU (14 - 17 years)						
Centres	46	152	49	38	95	190
Pupils	30,701	47,018	35,443	10,080	66.144	57.098
FP (14 - 17 years)						
Centres	23	110	27	58	50	168
Pupils	13,941	34,205	20,112	14,936	34.053	49.141

Source: IEC. Municipal Statistics Bank.

UNIVERSITY. YEAR 1988-1989

STUDENTS BY LEVELS AND CENTRES

	UNIVERSITY OF BARCELONA	AUTONOMOUS UNIVERSITY OF BARCELONA	POLYTECHNIC UNIVERSITY OF CATALONIA	TOTAL UNIVERSITIES	%
Faculties	66,535	26,386	3,630	96,551	63.3
Higher Technical Colleges			11,604	11,604	7.6
Total Superior education	66,535	26,386	15,234	108,155	70.9
Non-technical Universities	19,128	7,741		26,869	17.6
Intermediate Technical Colleges		223	17,373	17,596	11.5
Total Intermediate education	19,128	7,964	17,373	44,465	29.1
Total	**85,663**	**34,350**	**32,607**	**152,620**	**100.0**
%	**56.1**	**22.5**	**21.4**	**100.0**	

Source: Based on IEC. Catalonia Statistics Yearbook 1989.

UNIVERSITY. 1983-1989
STUDENT TRENDS BY LEVEL AND CENTRE

	UNIVERSITY OF BARCELONA	AUTONOMOUS UNIVERSITY OF BARCELONA	POLYTECHNIC UNIVERSITY OF CATALONIA	TOTAL UNIVERSITIES
Superior technical colleges and faculties				
Year 1983-1984	54,648	19,164	12,268	86,080
Year 1984-1985	56,195	20,652	10,757	87,604
Year 1985-1986	61,367	21,747	11,920	95,034
Year 1986-1987	64,378	23,977	12,608	100,963
Year 1987-1988	66,277	25,209	14,585	106,071
Year 1988-1989	66,535	26,386	15,234	108,155
University colleges				
Year 1983-1984	9,389	5,412	5,319	20,120
Year 1984-1985	10,356	4,815	5,319	20,490
Year 1985-1986	15,337	6,583	11,435	33,355
Year 1986-1987	16,287	7,025	12,765	36,077
Year 1987-1988	17,693	7,379	15,295	40,367
Year 1988-1989	19,128	7,964	17,373	44,465

Source: IEC. Catalonia Statistics Yearbook. 1989.

UNIVERSITY. 1987-1988 AND 1988-1989
STUDENTS ACCORDING TO SUBJECT AND LEVEL

	Year 1987-1988		Year 1988-1989	
	Intermediate	Superior	Intermediate	Superior
Sciences (Biology, Physics, Geology, Mathematics, Chemistry, Computer Studies, Sciences)	—	15,195	223	15,603
Humanities (Art, Philosophy and Education Science, Languages, Geography and History, Psychology, Arts)	9,616	35,463	9,426	35,204
Medical Sciences (Medicine, Veterinary Science, Pharmaceuticals Science)	3,313	11,019	3,564	10,982
Social Sciences (Law, Economics and Business Studies, Political Sciences and Sociology, Computer Science)	12,143	32,313	13,789	33,734
Physical education	—	1,010	—	1,028
Technical Colleges (Architecture, Agricultural Engineering, Construction Engineering, Industrial Engineering, Telecommunications Engineering)	15,295	11,071	17,373	11,604
Total	**40,367**	**106,071**	**44,375**	**108,155**

Source: Based on IEC. Catalonia Statistic Yearbook 1988 & 1989.

HEALTH 1986
HOSPITAL CENTRES

	BARCELONA	REST OF AMB	TOTAL AMB
HOSPITAL CENTRES	72	18	90
Beds	10.681	4,742	15,423
Acute cases	8.847	2,404	11,251
Psychiatrics	807	2,189	2,996
Chronic cases	1.027	149	1,176
Beds per 1,000 inhabitants	6,3	3.4	5.0
PHARMACIES	1,062	418	1,480

Source: CIDC. Municipal Statistics Bank.

MOBILITY/TRANSPORT

MOBILITY. 1986
DAILY MOVEMENTS BY MOTIVE

	BARCELONA		REST OF AMB		TOTAL AMB	
	Work	School	Work	School	Work	School
Generated (G) = (I) + (S)	522,393	377,132	371,202	351,607	893,595	728,739
Attracted (A) = (I) + (E)	626,635	420,106	263,400	331,203	890,035	751,309
Interurban (I)	456,140	367,005	142,448	295,041	598,588	662,046
Exit from municipalities (S)	66,253	10,127	228,754	56,566	295,007	66,693
Entry into municipalities (E)	170,495	53,101	120,952	36,162	291,447	89,263
Self-cont (I/G*100)	87.3	97.3	38.4	83.9	67.0	90.8
Self-sufficiency (I/A*100)	72.8	87.4	54.1	89.1	67.3	88.1

Source: Based on CIDC. Interurban obligatory mobility matrices derived from the Municipal Census.

MOBILITY. 1986
DISTRIBUTION BY MEANS OF TRANSPORT AND REASONS

	BARCELONA			REST OF AMB			TOTAL AMB		
	% Work	% School	% Total	% Work	% School	% Total	% Work	% School	% Total
Bus	19.1	16.8	18.2	12.2	5.3	8.8	16.2	11.3	14.0
Train	1.9	1.7	1.8	4.5	2.4	3.5	3.0	2.0	2.6
Underground	20.9	11.2	16.9	11.6	3.5	7.7	17.0	7.5	12.8
Company or school bus	2.7	2.4	2.6	3.9	3.9	3.9	3.2	3.1	3.2
Car	31.1	4.8	20.1	38.1	3.3	21.1	34.0	4.1	20.6
Motorbike/ scooter	3.1	2.0	2.6	2.0	0.5	1.3	2.7	1.2	2.0
On foot and others	21.2	60.9	37.8	27.7	81.1	53.7	23.9	70.8	44.8
Total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**

Source: Based on CIDC: Interurban obligatory mobility matrices derived from the Municipal Census. 1986.

MOBILITY. 1986
DISTRIBUTION BY ORIGIN AND AGGREGATED DESTINATIONS

	DESTINATION					
	BARCELONA		REST OF AMB		TOTAL AMB	
ORIGIN	Work	School	Work	School	Work	School
Barcelona	456,140	367,005	42,591	8,212	498,731	375,217
Rest of AMB	139,327	31,299	206,605	314,678	345,932	345,977
Total AMB	595,467	398,304	249,196	322,890	844,663	721,194

Source: Based on CIDC: Interurban obligatory mobility matrices derived from the Municipal Census. 1986.

PUBLIC TRANSPORT. 1988
BUSES

	BARCELONA	REST OF AMB	TOTAL AMB
Number of lines	75	64	139
Km of lines[1]	570	631	1,201
Number of stops[1]	1,623	1,283	2,906
Number of vehicles in use (workday)	1,394	244	1,638
Number of journeys[1]	6,597	3,054	9,651
Passengers transported (millions)	192.2	58.7	250.9

Source:
— EMT. Management and operation service (Internal documentation). EMT area.
— TMB. Memory 1988.
(1) Average of arrival and departure routes.

PUBLIC TRANSPORT. 1988
UNDERGROUND AND LOCAL RAIL SERVICES (EXCEPT RENFE)

	Underground	Generalitat Rail Services[1]
Number of lines	4	8
Km of lines	68.5	74.7
Number of stations	96	50
Vehicles in use	84	—
Places-km supplied (millions)	10,226.7	—
Passengers transported (millions)	264.8	38.6

Source:
— EMT. Internal documentation.
— TMB. Report 1988.
— Generalitat of Catalonia. Dept. of PTOP. Transport division. Report 1987.
(1) Data from 1987. It includes Catalonia and Catalan lines (except Martorell-Manresa and Martorell-Igualada).

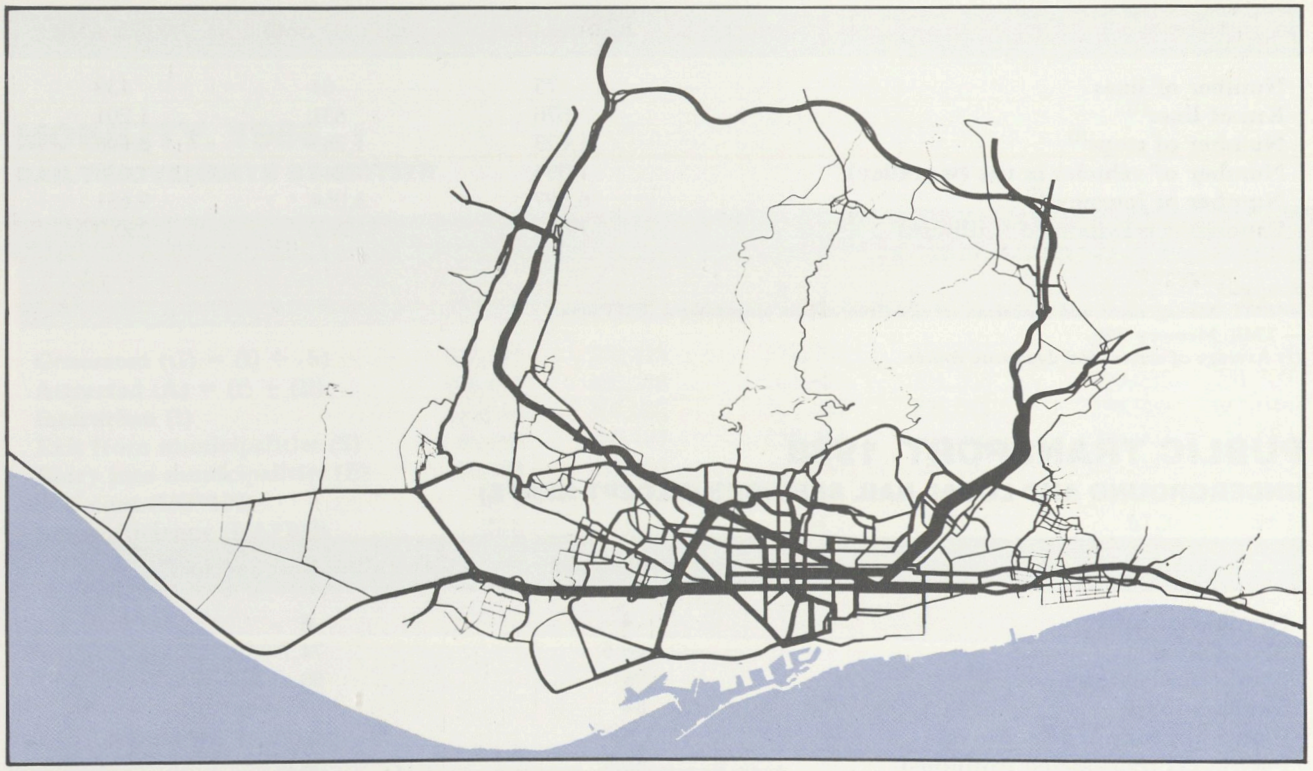
TAXIS. 1988
Operation data

Number of vehicles	10,931	
Driver permits	18,718	
Average mileage per vehicle		
Annual	39,000	km
Daily	166	km
With fare	98	km
Without fare	68	km
Journeys undertaken by vehicle		
Number of journeys per day	23	
Average length of journey	2.9	km
Average commercial speed	15.1	km/h.
Passengers transported		
Per vehicle	9,331	
Total No. of passengers for whole fleet	102	Millions
Number of ranks		
Barcelona	213	
Rest of metropolitan area	69	
Number of ranks with telephone		
Barcelona	18	
Rest of metropolitan area	33	

Source: EMT. Taxi Service.

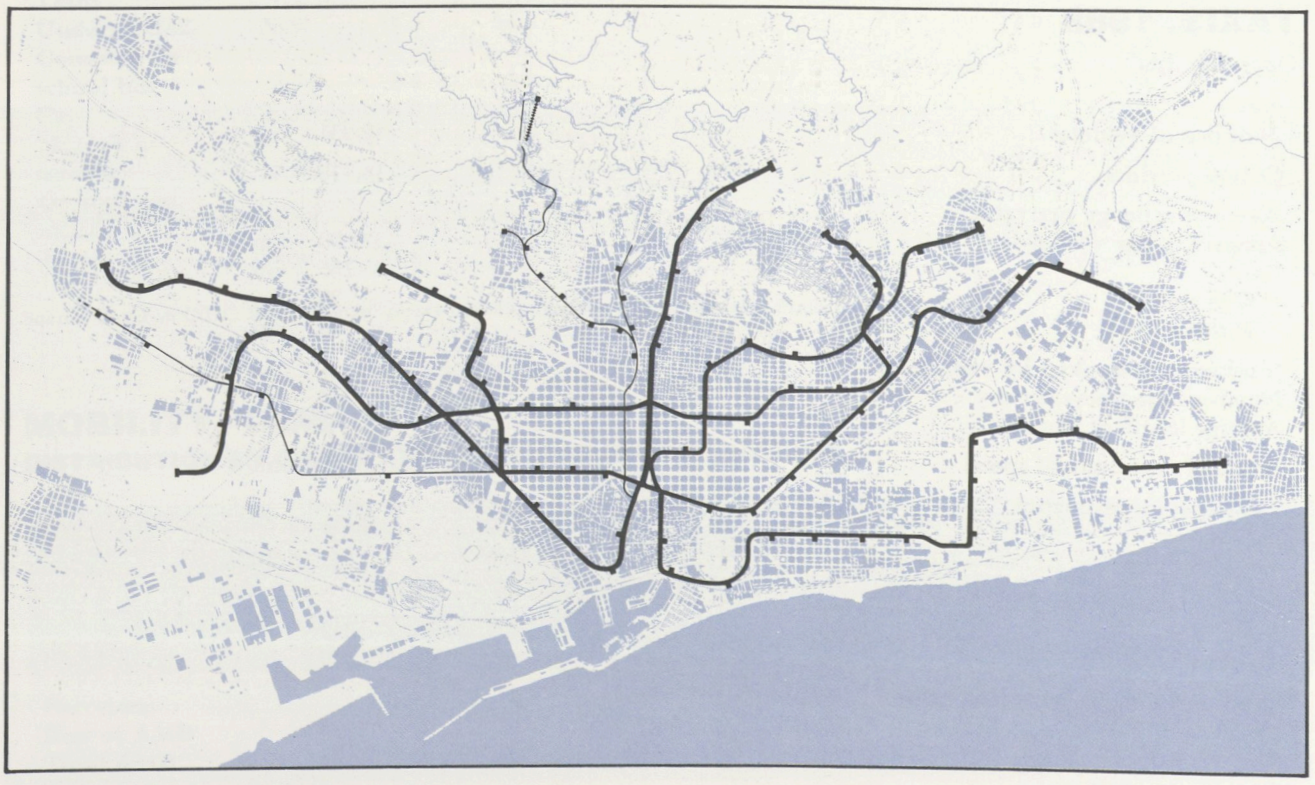
BASIC METROPOLITAN ROAD NETWORK

Traffic density



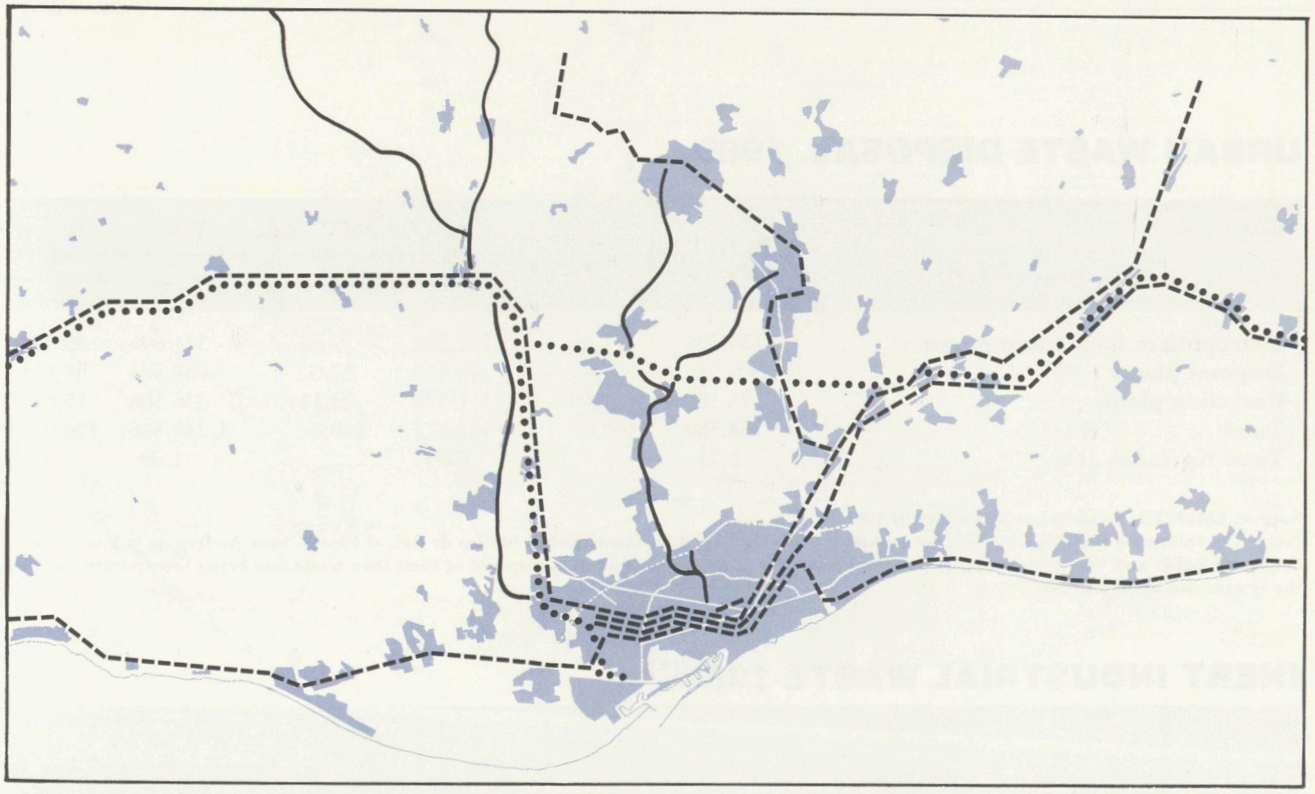
100,000 10,000 Average daily intensity - 1984

UNDERGROUND NETWORK



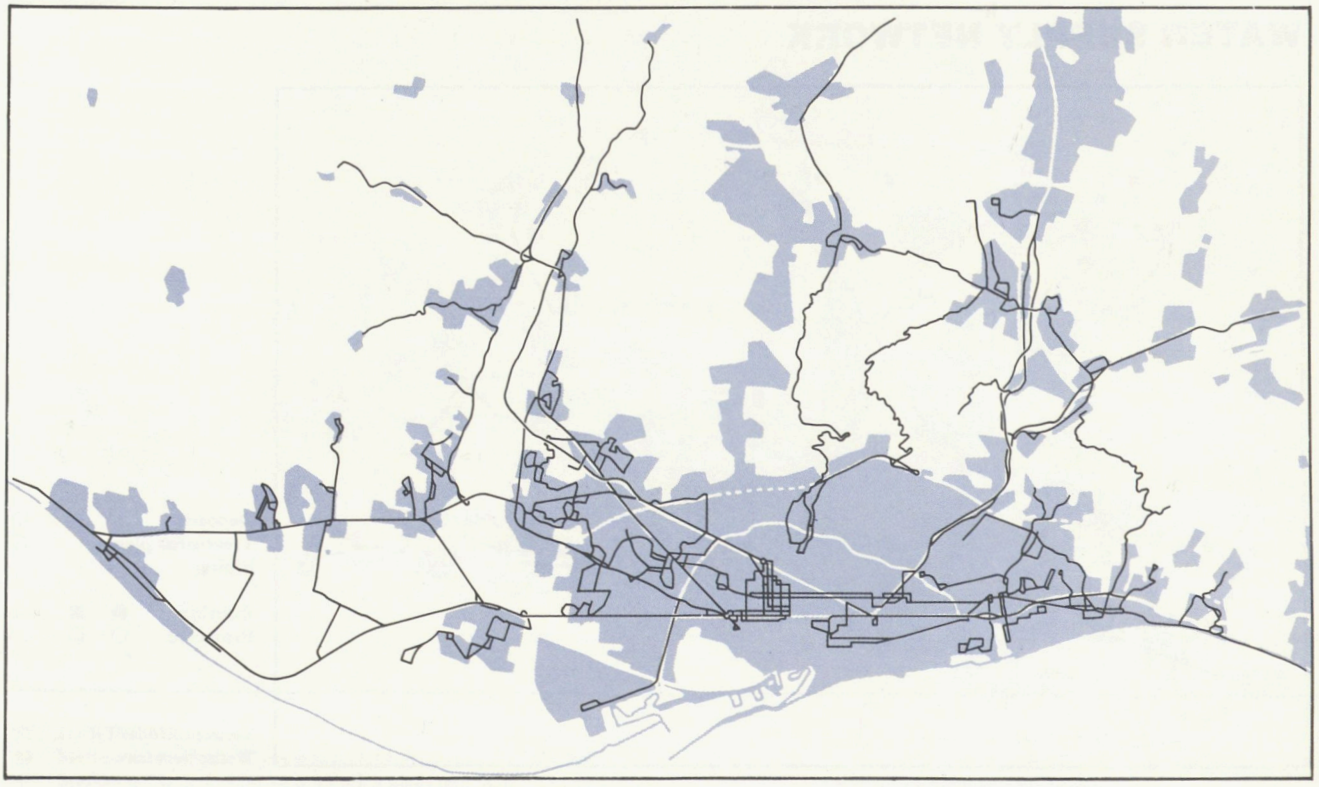
Source: EMT.

LOCAL RAIL SERVICES



Passengers
Goods
} RENFE
Generalitat Railways of Catalonia

INTERMUNICIPAL BUSES



Source: EMT. Management and Operations Service.

SERVICES

URBAN WASTE DISPOSAL. 1989

DISPOSAL SYSTEM	BARCELONA		REST OF AMB		TOTAL AMB	
	Tons	%	Tons	%	Tons	%
Metropolitan incinerator plants	129,326	17.05	192.370	39,88	321.696	25,93
Disposal plants	504,120	66.46	178.464	37,00	682.584	55,01
Recycling plants	125,108	16.49	111.478	23,11	236.506	19,07
Total	**758,554**	**100.0**	**482,312**	**100,0**	**1.240.866**	**100,0**
Total Kg/Inhab./Day	**1.21**		**0.94**		**1,09**	

Source: EMSHTR. Solid Urban Waste Report 1989.
Note: The following municipalities are not included: Barberà del Vallès, Castellbisbal, Molins de Rei, el Papiol, Sant Andreu de la Barca, Sant Cugat del Vallès and Torrelles de Llobregat. These municipalities, which until now disposed of their own waste, are being incorporated into the system run by EMSHTR.

INERT INDUSTRIAL WASTE 1988[1]

	TOTAL AMB	
	Annual Tons	Daily average
Construction, demolition, excavation derivatives (C-0)	349,191	349.2
Absorbable in urban (C-I)	94,639	315.5
Special (C-II)	9,745	16.2

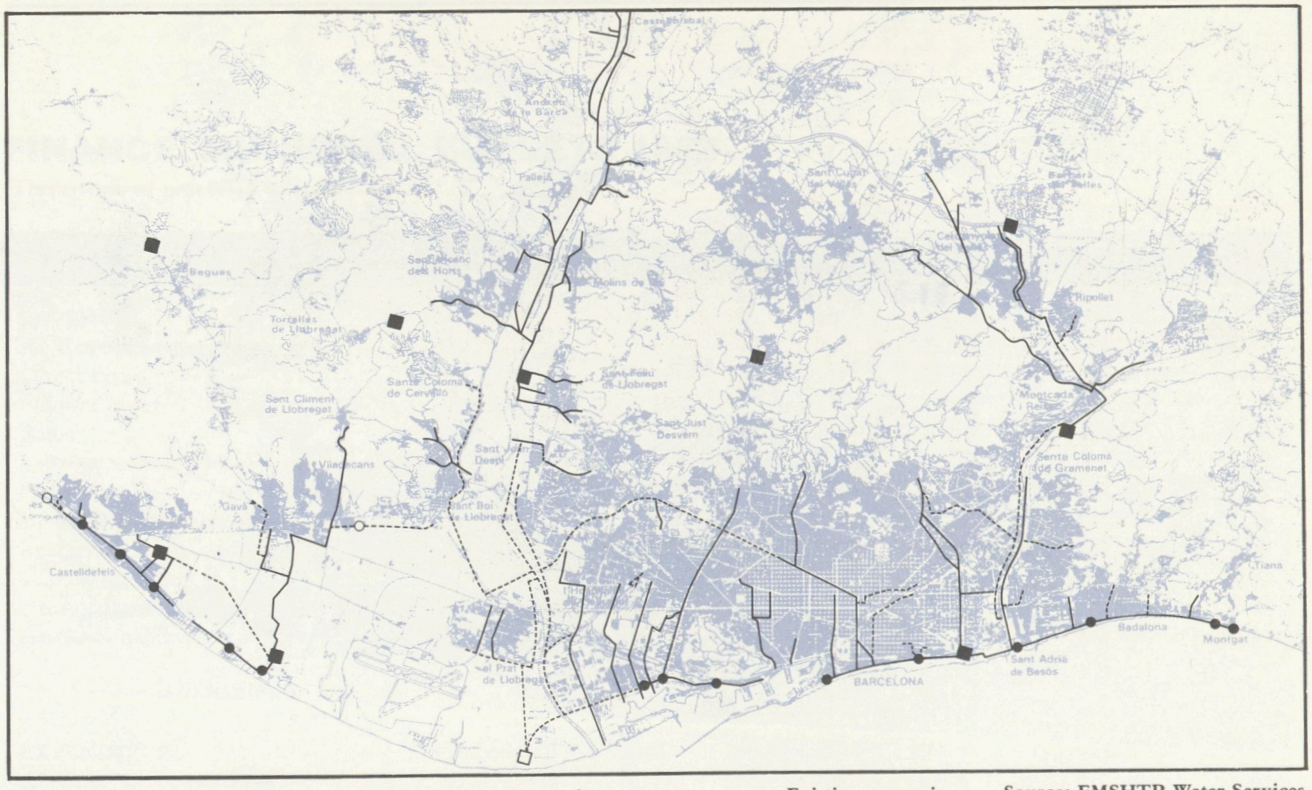
Source: EMSHTR Waste Service (internal documentation).
(1) Waste kept in installations run by EMSHTR. These represent approximately 80 % of the total waste produced by the AMB.

WATER SUPPLY NETWORK



Source: EMSHTR
Water Services

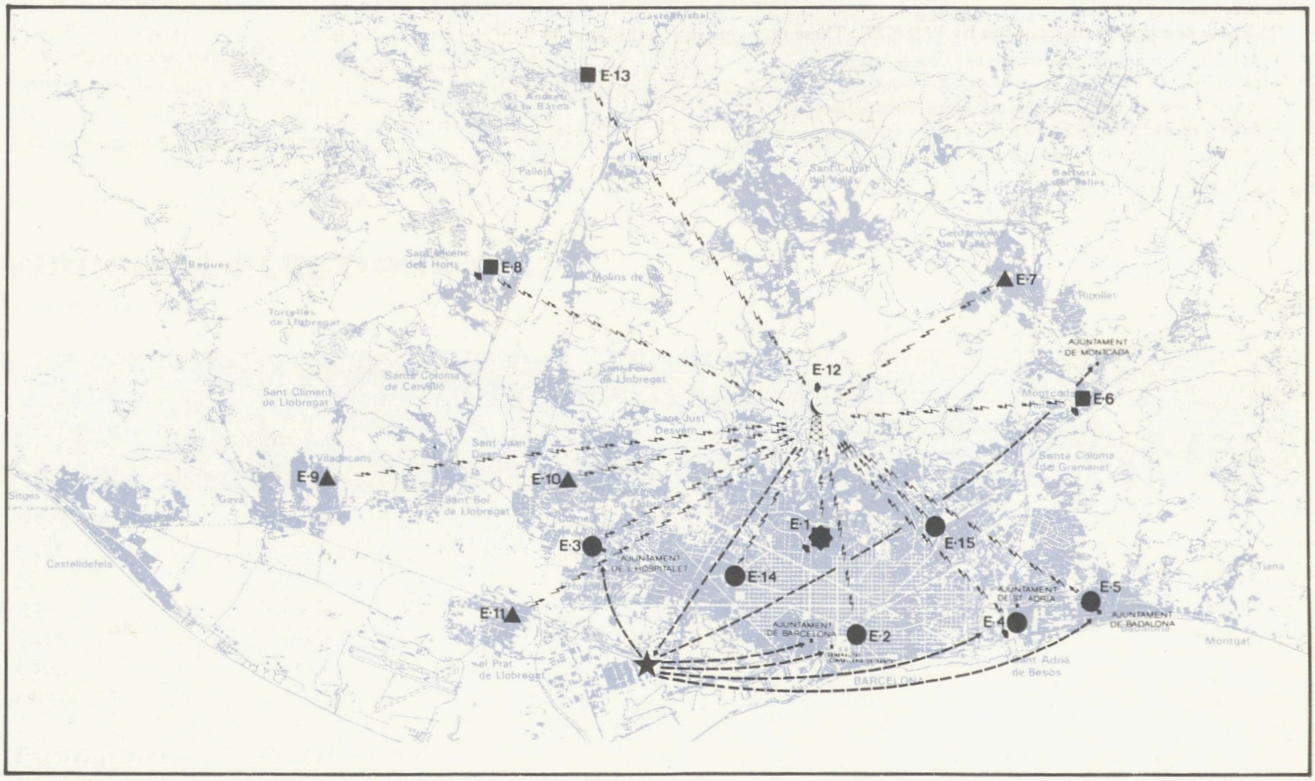
RESIDUAL WATER NETWORK



■ Existing purification station
□ Projected purification station
● Existing pumping station
○ Projected pumping station
—— Existing reservoir
------ Projected reservoir

Source: EMSHTR Water Services.

ENVIRONMENTAL CONTROL SYSTEM



★ Data reception centre
● Station n.° 1 with analysers SO_2, NO_x, CO, O_3, HC and PS
● Station n.° 2, 3, 4, 5, 6, 14 & 15 with analysers SO_2, NO_x, CO, O_3 & PS
■ Station n.° 8 & 13 with analysers SO_2 and PS
▲ Station n.° 7, 9 & 11 with SO_2 analyser

Radio wave booster station
Meteorological stations: 1, 4, 6, 8 & 12
Information reception
Information circulation

Source: EMSHTR Environmental service.

INSTALLATIONS FOR THE TREATMENT OF WASTE



1 **Incinerator plant for urban waste.** Montcada i Reixac
2 **Incinerator plant for urban waste.** St. Adrià (Property of Municipality of Barcelona)
3 **Incinerator plant for urban waste.** Zona Franca (Projected)
4 **Incinerator plant for RDF.** Viladecans (Projected)
5 **Incinerator plant for hospital waste.** Montcada i Reixac
6 **Recycling plant for urban waste.** Gavà-Viladecans
7 **Disposal plant for urban waste.** Viladecans
8 **Disposal plant for urban waste.** Badalona
9 **Controlled dump for urban waste.** Garraf (Property of Municipality of Barcelona)
10 **Controlled dump for ind. and merc. waste.** Badalona
11 **Controlled refilling of industrial waste.** Fontsanta
12 **Controlled refilling of industrial waste.** Cerdanyola
13 **Controlled refilling of industrial waste.** Cerdanyola
14 **Controlled refilling of industrial waste.** Ripollet

Source: EMSHTR Waste Service.

MUNICIPAL FINANCE AND ELECTIONS

FINANCE. MUNICIPAL BUDGETS 1988

(Thousands of pesetas)

	BARCELONA	%	REST OF AMB	%	TOTAL AMB	%
REVENUE	124,854,518	100	48,855,238	100	173,709,756	100
A/ Current operations:	109,179,217	87.45	43,408,789	88.85	152,588,006	87.84
Direct taxes	39,156,000	31.36	16,099,611	32.95	55,255,611	31.81
Indirect taxes	4,095,000	3.28	2,750,634	5.63	6,845,634	3.94
Rates	19,707,347	15.78	9,579,204	19.61	29,286,551	16.86
Current transactions	42,953,345	34.40	14,052,316	28.76	57,005,661	32.82
Property taxes	3,267,525	2.62	927,024	1.90	4,194,549	2.41
B/ Capital operations:	15,675,301	12.55	5,446,449	11.15	21,121,750	12.16
Real investment transmission	1,195,200	0.96	332,137	0.68	1,527,337	0.88
Capital transfer			1,060,659	2.17	1,060,659	0.61
Financial assets variation	330,000	0.26	57,924	0.12	387,924	0.22
Financial liabilities variation	14,150,101	11.33	3,995,729	8.18	18,145,830	10.45
Total revenue/inhabitant	**73.71**		**35.35**		**56.47**	
EXPENDITURE	124,854,518	100.00	46,639,753	100	171,494,271	100
A/ Current operations:	97,878,344	78.39	37,996,884	81.47	135,875,228	79.23
Personnel remunerations	37,343,535	29.91	16,248,997	34.84	53,592,532	31.25
Purchase of goods and services	29,858,242	23.91	12,643,732	27.11	42,501,974	24.78
Interests	17,143,826	13.73	4,296,763	9.21	21,440,589	12.50
Current transactions	13,532,741	10.84	4,807,392	10.31	18,340,133	10.69
B/ Capital operations:	26,976,174	21.61	8,642,869	18.53	35,619,043	20.77
Real investments	18,270,000	14.63	5,887,229	12.62	24,157,229	14.09
Capital transfers	5,910,000	4.73	198,184	0.42	6,108,184	3.56
Financial assets variant	330,000	0.26	78,162	0.17	408,162	0.24
Financial liabilities variant	2,466,174	1.98	2,479,294	5.32	4,945,468	2.88
Total expenditure/inhabitant	**73.71**		**33.74**		**55.75**	

Source: CIDC. Municipal Statistics Bank.

MUNICIPAL ELECTIONS 1987

Ressults 10-6-1987

	BARCELONA			REST OF AMB			TOTAL AMB[1]		
	Number Votes	% Votes	Councillors	Number Votes	% Votes	Councillors	Number Votes	% Votes	Councillors
PSC	400,603	43.3	21	286,740	46.5	243	687,343	44.6	264
CiU	325,296	35.2	17	100,135	16.2	118	425,431	27.6	135
IC	46,632	5.0	2	144,700	23.5	120	191,332	12.4	122
AP	68,609	7.4	3	27,705	4.5	8	96,314	6.3	11
CDS	30,998	3.4	—	26,763	4.3	9	57,761	3.7	9
ERC	21,008	2.3	—	4,924	0.8	3	25,932	1.7	3
Others	15,923	1.7	—	15,535	2.5	13	31,458	2.0	13
Participation	924,233	68.6		616,645	64.6		1,540,878	66.9	
Abstention	423,011	31.4		338,023	35.4		761,034	33.1	
Electoral census	1,347,244	100.0		954,668	100.0		2,301,912	100.0	

Source: CMB. Programming and Finance Division 1987. official figures.
(1) CMB area.

METROPOLITAN MUNICIPALITIES

BASIC POINTERS

	DEMOGRAPHY				TERRITORY				
	1	2	3	4	5	6	7	8	9
Badalona	225,016	–2.1	25.9	8.6	22.2	811.6	277	13.5	5.0
Barberà del Vallès	29,917	3.7	29.5	5.2	8.8	—	—	—	6.5
Barcelona	1,701,812	–2.9	17.9	14.8	97.6	4,961.4	343	18.3	10.1
Begues	1,534	15.3	19.4	14.7	50.4	—	—	—	82.2
Castellbisbal	4,057	19.2	25.5	8.7	31.0	—	—	—	49.9
Castelldefels	27,932	13.1	27.0	7.4	12.4	624.8	45	3.8	35.4
Cerdanyola del Vallès	53,537	5.2	29.0	5.6	31.3	528.1	101	17.2	64.9
Cornellà de Llobregat	86,928	–5.1	23.2	9.0	6.9	280.7	310	26.2	27.5
Esplugues de Llobregat	47,670	3.5	25.9	7.3	4.6	164.0	291	17.5	1.3
Gavà	32,351	–3.8	24.8	8.6	30.9	356.7	91	13.5	19.7
l'Hospitalet de Llobregat	279,779	–5.2	22.8	9.2	12.4	641.5	436	21.5	14.0
Molins de Rei	18,160	–0.8	22.5	10.9	16.0	183.0	99	22.6	51.1
Montcada i Reixac	25,499	–0.5	24.0	9.2	23.3	211.9	120	44.0	23.1
Montgat	7,276	4.8	24.2	9.3	2.8	76.8	95	23.5	27.5
Pallejà	5,919	3.3	26.5	8.2	8.4	184.6	32	19.5	38.9
el Papiol	3,080	–3.4	23.2	11.0	8.8	58.3	53	30.9	59.1
el Prat de Llobregat	63,052	4.4	27.6	7.2	32.2	217.2	290	39.7	31.1
Ripollet	25,833	–1.1	26.2	7.6	4.4	110.6	234	33.7	24.5
Sant Adrià de Besòs	34,735	–4.6	25.8	8.5	3.9	136.6	254	40.0	2.6
Sant Andreu de la Barca	14,298	8.4	29.7	6.1	5.5	—	—	—	19.5
Sant Boi de Llobregat	75,789	3.9	26.0	7.8	21.9	399.4	190	22.5	58.0
Sant Climent de Llobregat	2,111	1.3	22.0	11.3	10.7	34.6	61	8.7	71.3
Sant Cugat del Vallès	35,302	15.2	25.3	8.7	48.3	1,155.9	31	8.2	41.0
Sant Feliu de Llobregat	37,394	–1.6	27.6	7.8	11.8	135.3	276	40.2	66.9
Sant Joan Despí	23,867	–5.7	25.8	7.6	5.6	70.2	340	50.7	29.8
Sant Just Desvern	11,379	3.2	22.2	11.3	7.9	135.7	84	28.5	67.8
Sant Vicenç dels Horts	20,397	1.1	27.2	7.0	9.1	337.7	60	16.2	16.2
Santa Coloma de Cervelló	2,662	5.6	21.3	14.0	7.5	133.7	20	4.6	62.1
Santa Coloma de Gramenet	135,258	–3.8	26.0	7.6	7.1	356.5	379	1.1	1.8
Tiana	3,911	29.2	24.4	9.9	7.9	114.5	34	48.9	65.9
Torrelles de Llobregat	1,827	23.9	25.2	9.7	13.6	—	—	—	67.4
Viladecans	45,071	4.0	28.3	6.2	20.1	277.4	162	19.5	35.2
Total minus Barcelona	**1,381,541**	**–0.8**	**25.4**	**8.1**	**487.7**	**7,737.3**	**179**	**19.9**	**43.3**
Total including Barcelona	**3,083,353**	**–2.0**	**21.3**	**11.8**	**585.3**	**12,698.7**	**243**	**19.3**	**37.8**

1/ Population 1986
2/ Population growth 1981-1986 (% on population 1981)
3/ Young persons under 15 years 1986 (% on total population)
4/ The elderly of 65 years & over 1986 (% on total population)

5/ Surface area (km^2)
6/ Residential urban land (Ha)
7/ Net density 1987 (inhabitants/Ha. of residential urban land)
8/ Industrial urban land 1987 (% on urban surface area)
9/ Agrarian surface area 1982 (% on total municipal surface area)

EMPLOYMENT					ECONOMY				
10	11	12	13	14	15	16	17	18	
19.5	0.7	47.8	5.1	43.7	516.7	484.9	287.9	271.2	Badalona
14.4	0.4	48.2	5.9	35.9	—	585.2	338.9	306.7	Barberà del Vallès
13.4	0.2	24.9	2.0	53.5	860.8	680.6	453.6	351.5	Barcelona
6.7	8.1	32.0	12.1	44.6	—	1,385.1	348.4	303.1	Begues
13.3	4.7	45.3	5.2	33.5	—	1,009.8	274.7	313.3	Castellbisbal
16.0	2.3	27.2	10.0	48.6	761.4	1,320.3	427.8	344.1	Castelldefels
27.2	0.2	33.4	4.2	37.8	601.9	547.5	246.1	284.1	Cerdanyola del Vallès
20.1	0.3	49.3	5.9	41.4	574.9	518.5	286.4	268.5	Cornellà de Llobregat
12.6	0.3	44.2	4.2	47.7	619.9	640.7	322.5	329.3	Esplugues de Llobregat
21.1	2.5	43.4	6.4	37.9	621.5	810.6	293.6	280.0	Gavà
17.3	0.4	43.5	4.7	48.2	557.2	504.2	321.8	274.1	l'Hospitalet de Llobregat
15.0	1.4	47.9	4.4	41.8	699.4	696.4	313.5	309.8	Molins de Rei
18.1	0.5	46.3	4.0	36.1	665.0	557.5	270.1	301.7	Montcada i Reixac
14.7	2.9	49.0	5.0	42.7	664.9	530.9	312.0	294.9	Montgat
15.0	1.3	52.1	6.4	37.6	572.7	828.0	229.0	281.4	Pallejà
11.8	5.0	46.9	8.0	36.0	644.3	985.8	294.6	315.5	el Papiol
21.4	2.7	45.7	4.9	42.9	522.7	482.3	267.9	258.3	el Prat de Llobregat
23.6	0.6	50.1	7.4	37.3	553.9	504.7	242.6	281.8	Ripollet
23.1	1.1	41.9	4.4	51.2	503.8	499.3	276.6	243.5	Sant Adrià de Besòs
18.3	0.8	61.3	5.6	29.3	—	591.8	264.1	288.2	Sant Andreu de la Barca
19.7	1.7	48.8	7.1	40.4	571.0	540.3	266.2	224.0	Sant Boi de Llobregat
14.0	9.9	—	5.1	20.6	601.8	750.1	227.1	275.1	Sant Climent de Llobregat
13.3	1.1	32.0	5.0	57.1	929.6	1,018.3	377.6	374.1	Sant Cugat del Vallès
17.3	1.0	53.2	5.8	37.7	611.3	594.4	262.4	285.8	Sant Feliu de Llobregat
17.5	1.2	54.4	6.4	34.6	556.0	535.6	294.0	295.3	Sant Joan Despí
8.4	0.7	36.0	3.3	51.2	846.9	1,136.7	406.9	427.4	Sant Just Desvern
20.2	1.9	47.8	7.5	35.1	558.5	646.6	249.6	253.4	Sant Vicenç dels Horts
16.1	3.2	36.9	3.3	43.6	754.4	812.0	384.6	387.8	Santa Coloma de Cervelló
20.0	0.4	46.0	7.5	41.2	398.3	546.7	262.6	247.8	Santa Coloma de Gramenet
13.1	5.2	34.4	3.3	47.3	759.9	848.8	354.3	390.0	Tiana
11.3	8.3	26.2	8.9	53.8	—	144.8	394.4	371.7	Torrelles de Llobregat
22.7	2.3	47.4	8.3	38.5	540.7	655.9	245.5	274.8	Viladecans
18,8	**0.1**	**45.2**	**5.6**	**43.3**	**567.5**	**580.4**	**293.4**	**293.0**	**Total minus Barcelona**
15.8	**0.5**	**33.3**	**3.5**	**49.5**	**730.2**	**635.6**	**381.8**	**318.4**	**Total including Barcelona**

10/ Unemployment rate 1989 (% on active population)
11/ Employed Agriculture 1986 (% on employed population > 16 years)
12/ Employed Industry and Energy 1986 (% on population > 16 years)
13/ Employed Construction 1986 (% on population > 16 years)
14/ Employed Services 1986 (% on population > 16 years)

15/ Available family income per capita 1985 thousands of pesetas)
16/ Domestic electricity consumption 1988 (kw-h/inhabitant)
17/ Telephones per 1,000 inhabitants 1988
18/ Vehicles per 1,000 inhabitants 1988

ABBREVIATIONS

AMB	Metropolitan Area of Barcelona
AP	Alianza Popular
BANESTO	Banco Español de Crédito
BEM	Banc d'Estadístiques Municipals
BUP	Bachillerato Unificado y Polivalente
CDS	Centro Democrático y Social
CIDC	Information and Documentation Centre of Catalonia
CiU	Corporació Metropolitana de Barcelona
CMB	Metropolitan Corporation of Barcelona
COCINB	Official Chamber of Commerce. Industry and Navigation of Barcelona
CTNE	Compañía Telefónica Nacional de España
CTU	Urban Territory Contribution
EGB	Basic General Education
EMSHTR	Metropolitan Entity for Water Services and the Treatment of Residues
EMT	Metropolitan Entity for Transport
ENHER	Empresa Nacional Hidroeléctrica del Ribagorzana
EPA	Active Population Survey
ERC	Esquerra Republicana de Catalunya
FECSA	Fuerzas Eléctricas de Cataluña, S.A.
FNCM	National Municipal Cooperation Fund
FP	Professional Training
IC	Iniciativa per Catalunya
IEC	Statistic Institut of Catalonia
INE	National Statistics Institute
INEM	National Employment Institute
MMAMB	Metropolitan Area of Barcelona Municipal Council
MOPU	Ministry of Public Works and Urbanism
PESM	Pla Especial de Sanejament Metropolità (Plan Especial de Saneamiento Metropolitano)
PSC	Partit dels Socialistes de Catalunya
PTOP	Public Works and Territorial Policy
RDF	Fuel derived waste
RENFE	National Railway Network of Spain
TMB	Municipal Transport of Barcelona

AMB
Àrea Metropolitana de Barcelona
BIBLIOTECA