

Institut d'études politiques de Paris
ECOLE DOCTORALE DE SCIENCES PO
Programme doctoral en sociologie
Centre de Sociologie des Organisations

Doctorat en sociologie

**Paris and London: metropolitan dynamics and
economic governances (1990-2017)**
Volume 2 - Appendix

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defended on September 4th, 2020

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Summary

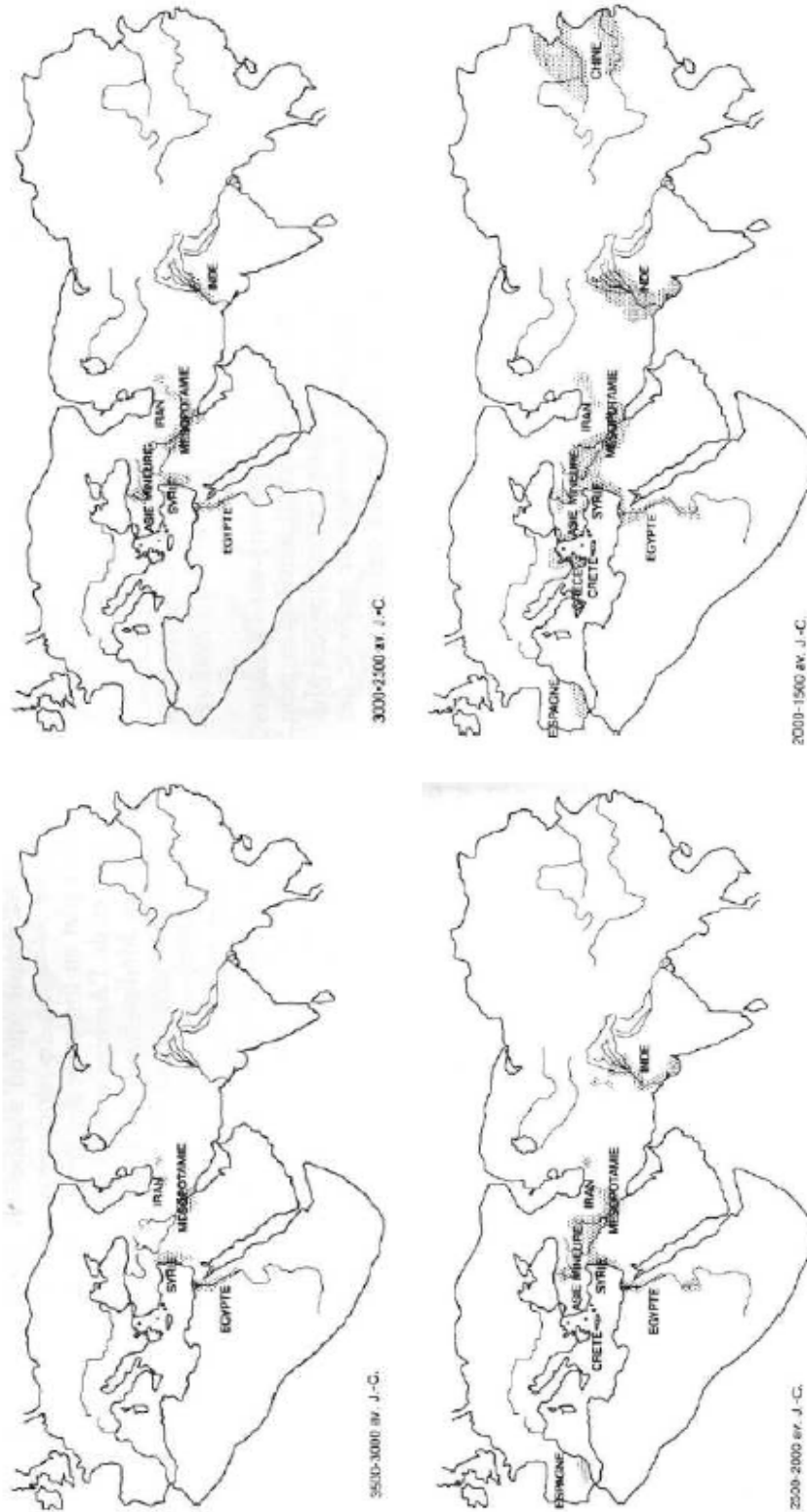
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List of interviews (2015-2019)

Nom	Prénom	Position	Company / Structure	City	Year
Auzannet	Pascal	President / Author of <i>Les Secrets du Grand Paris</i> (Hermann, 2018)	RATP Smart Systems	Paris	2019
Bedier	Pierre	President	Conseil départemental des Yvelines	Paris	2018
Bennett	Robert J.	Director of Research and Emeritus Professor/Author of <i>Local Business Voice: The history of the Chambers of Commerce in Britain, Ireland and Revolutionary America - 1760-2011</i> (Oxford University Press, 2011)	University of Cambridge / Former advisor to London First in the 1990s	London	2019
Bidart	Karine	Chief Executive	Paris & Co	Paris	2019
Boleat	Mark (Sir)	Chairman of the Policy & Resources Committee	City of London Corporation	London	2019
Bosetti	Nicolas	Research Manager	Centre for London	London	2017
Bracke	Philippe	Senior Economist on Housing Issues	Bank of England	London	2017
Braouezec	Patrick	President	Plaine Commune Local Authority	Paris	2018
Brown	Richard	Deputy Director	Centre for London	London	2017
Chouin	Loic	Director for Greater Paris	Regional Chamber of Commerce and Industry of Paris Ile-de-France	Paris	2019
Claverie-Aurousseau	Marie-Sophie	Chief Executive	Medef Grand Paris	Paris	2019
Craig	Andrew	Former Senior International Relations Advisor	London 2012	London	2019
Cursente	Arnaud	Director for Large Projects	CDC Habitat	Paris	2018
Curzon	Eddie	Director for London & South	Confederation of British Industry (CBI)	London	2019
de Naurois	Eugénie	Head of Corporate Affairs	City of London Corporation	London	2019
de Rendinger	Armand	Former member of Paris 2012 and consultant-specialist of Olympic bids and Olympic games	Paris 2012 (formally)	Paris	2019
Dickie	John	Director of Strategy and Policy	London First	London	2019
Falk	Nicholas	Founder and Director	URBED	London	2019
Figeat	Dominique	Director	Observatoire Régionale du Foncier d'Ile-de-France	Paris	2017
Gailly	Pierre-Antoine	Former President	Regional Chamber of Commerce and Industry of Paris Ile-de-France	Paris	2019
Godron	Jacques	President	Club des Entreprises du Grand Paris	Paris	2019
Gollain	Vincent	Director for Economic Development	Institut Paris Région	Paris	2019
Grotto	Lionel	Chief Executive	Paris Région Entreprises	Paris	2019
Hannah	Kat	Associate Director	Cushman & Wakefield	London	2017
Héraud	Magali	Former Head and Strategy & Insight	London and Partners	London	2014
Khan	Nabeel	Head of Economic Development	Greater London Authority	London	2019
Leam	David	Director of Infrastructure Policy	London First	London	2019
Lecroart	Paul	Senior Urban Planner	Institut Paris Région	Paris	2017
Ledoux	Nicolas	Director	Algoé Consultants	Paris	2017
Manns	Jonathan	Head of Regeneration and Planning	Colliers International	London	2017
Maschino	Lionelle	Former Director of the Greater Paris Delegation	Veolia Environnement	Paris	2019
Missika	Jean-Louis	Deputy Mayor for Economic Development, Urban Planning, Attractivity and Greater Paris,	City of Paris	Paris	2018
Missoffe	Alexandre	Chief Executive	Greater Paris Investment Agency	Paris	2019
Poidevin	Jean-Louis	Chief Executive for the Department of Public Authorities and Urban Development	Nexity	Paris	2017
Prager	Jean-Claude	Director of Economic Studies	Société du Grand Paris	Paris	2015, 2017
Recina	Kathy	Senior Policy Advisor	Confederation of British Industry (CBI)	London	2019
Robert	Damien	Chief Executive	Grand Paris Aménagement	Paris	2017, 2019
Schilansky	Jean-Louis	President	Medef Grand Paris	Paris	2019
Spires	Steven	Head of Strategy & Insight	London and Partners	London	2015
Varley	Nick	Former core team member	London 2012 (bidding team)	London	2019
Ware	Julian	Head of Major Project Funding	Transport for London	London	2019

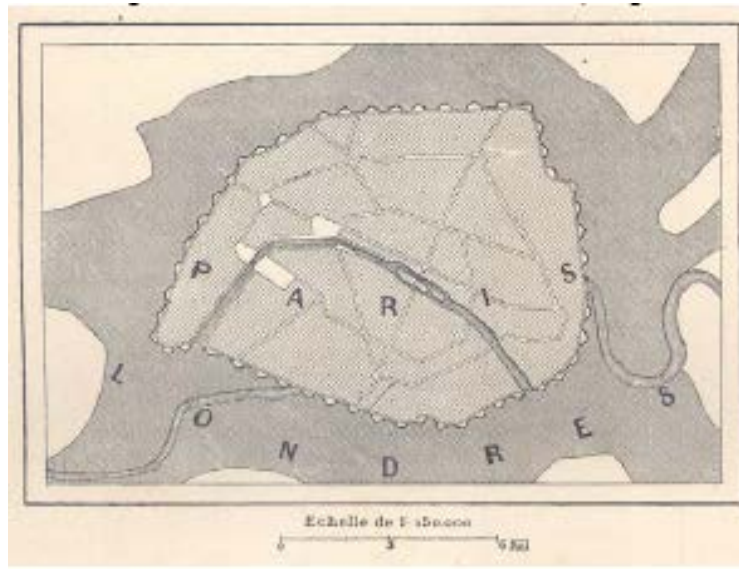
CHAPTER 1

The development of urban civilization between 3500 BC to 1500 BC



Source : Benevolo ,1980

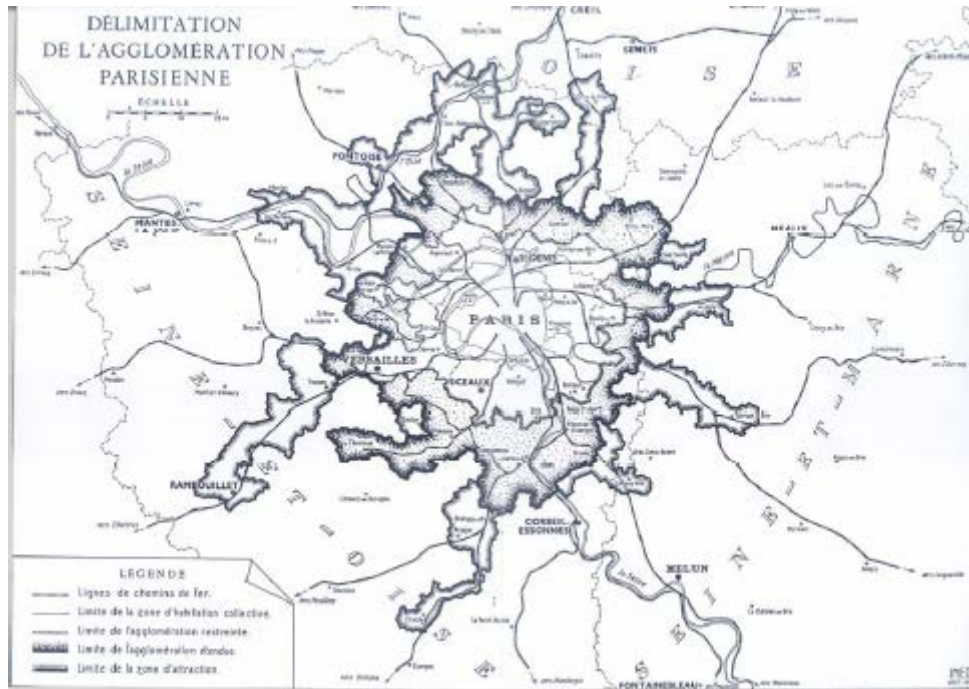
The agglomeration of Paris and London by Elisée Reclus, 1877



Source : (Bretagnolle, 2009, p. 20)

“The incredible agglomeration is no big that one cannot even agree on how expensive it should be considered. Where does the sea of houses to which the conventional term of London must apply stop ? (...). Officially, there are no less than seventeen towns of London, all distinct by the centre, the radius, the outlines” [“Si grande est la prodigieuse agglomération, que l’on peut même s’accorder sur l’étendue qu’il faut lui attribuer. Où s’arrête la mer de maisons à laquelle doit être appliqué le terme conventionnel de Londres ? (...). Officiellement, il n’y a pas moins de dix-sept villes de Londres, toutes distinctes par le centre, le rayon, les contours”] (Reclus, 1879).

The agglomeration of Paris



Source : (Bastié & Bichler, 1960)

Population UN 1950 (thousands)

Urban Agglomerations	Total population in 1950	World Rank
New York-Newark	12 338	1
Tokyo	11 275	2
London	8 361	3
Kinki M.M.A. (Osaka)	7 005	4
Paris	6 283	5
Moskva (Moscow)	5 356	6
Buenos Aires	5 166	7
Chicago	4 999	8
Kolkata (Calcutta)	4 604	9
Shanghai	4 288	10
Los Angeles-Long Beach-Santa Ana	4 046	11
Ciudad de México (Mexico City)	3 365	12
Berlin	3 338	13
Philadelphia	3 128	14
Mumbai (Bombay)	3 089	15
Rio de Janeiro	3 026	16
Sankt Peterburg (Saint Petersburg)	2 903	17
Detroit	2 769	18
Boston	2 551	19
Al-Qahirah (Cairo)	2 494	20
Tianjin	2 467	21
Manchester	2 422	22
São Paulo	2 334	23
Chukyo M.M.A. (Nagoya)	2 237	24
Birmingham (West Midlands)	2 229	25
Shenyang	2 148	26
Roma (Rome)	1 884	27
Milano (Milan)	1 883	28
San Francisco-Oakland	1 855	29
Barcelona	1 809	30
Glasgow	1 755	31
Madrid	1 700	32
West Yorkshire	1 692	33
Sydney	1 690	34
Hong Kong	1 682	35

Source : United Nations, World Urbanization Prospect, 2018

Population UN 2017 (thousands)

Urban Agglomerations	Total population in 2017	World Rank
Tokyo	37 397	1
Delhi	27 602	2
Shanghai	24 862	3
Ciudad de México (Mexico City)	21 500	4
São Paulo	21 392	5
Mumbai (Bombay)	19 756	6
Al-Qahirah (Cairo)	19 648	7
Kinki M.M.A. (Osaka)	19 289	8
Beijing	19 211	9
Dhaka	18 894	10
New York-Newark	18 762	11
Karachi	15 021	12
Buenos Aires	14 879	13
Kolkata (Calcutta)	14 594	14
Istanbul	14 540	15
Chongqing	14 332	16
Manila	13 272	17
Rio de Janeiro	13 175	18
Lagos	13 042	19
Tianjin	13 041	20
Kinshasa	12 624	21
Los Angeles-Long Beach-Santa Ana	12 420	22
Guangzhou, Guangdong	12 316	23
Moskva (Moscow)	12 288	24
Shenzhen	11 693	25
Lahore	11 263	26
Bangalore	10 990	27
Paris	10 845	28
Jakarta	10 401	29
Bogotá	10 278	30
Lima	10 194	31
Chennai (Madras)	10 189	32
Seoul	9 941	33
(...)		
London	8 916	37

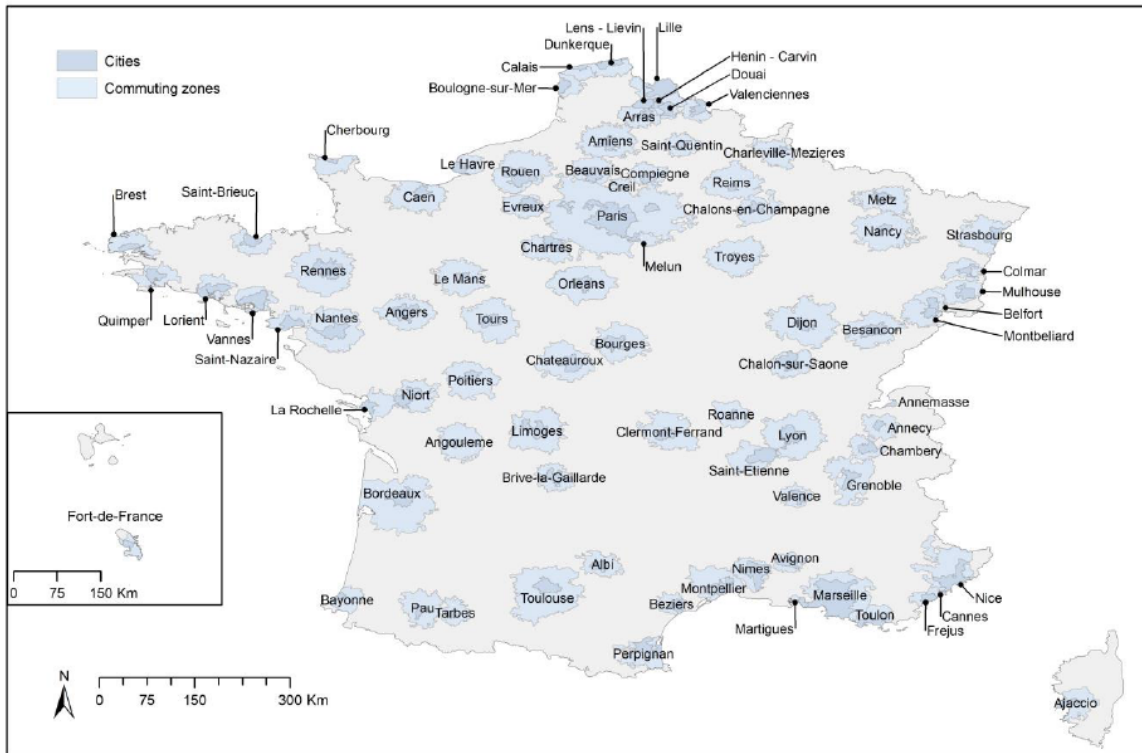
Source : United Nations, World Urbanization Prospect, 2018

Estimated population in 2035 UN (thousands)

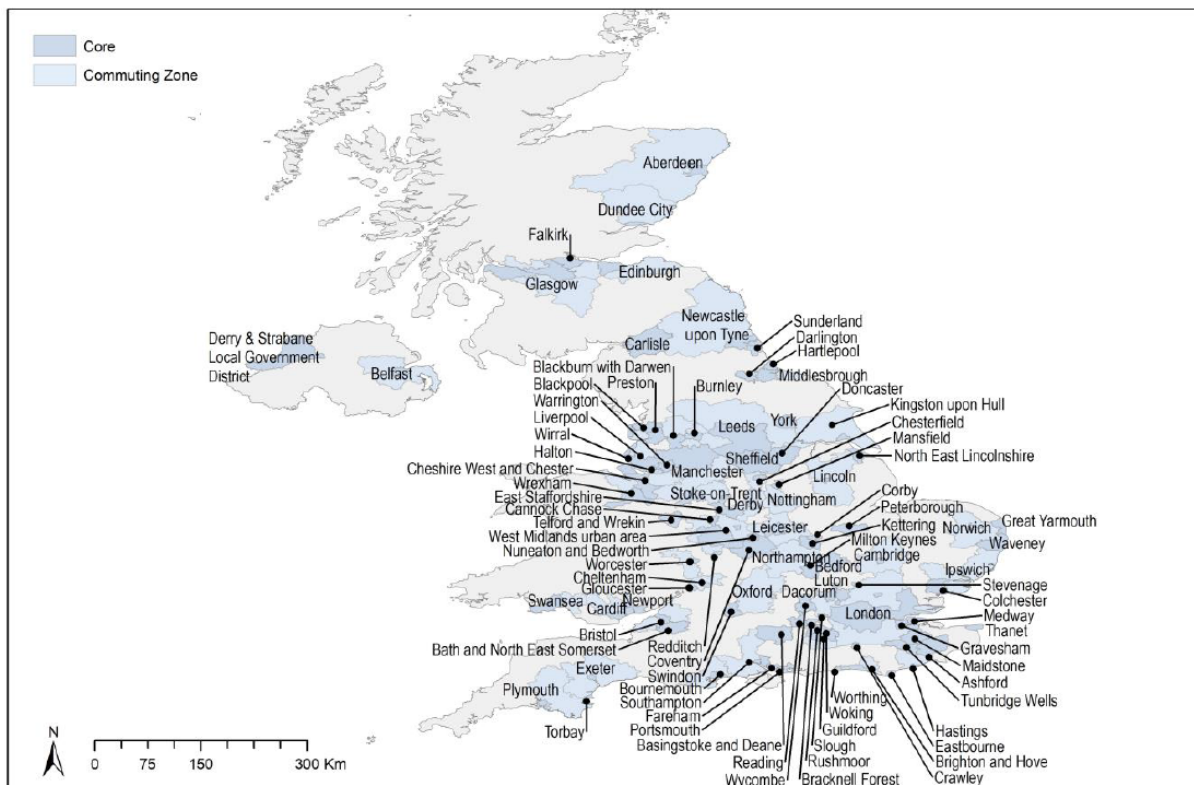
Urban Agglomerations	Estimated Population in 2035	World Rank
Delhi	43 345	1
Tokyo	36 014	2
Shanghai	34 341	3
Dhaka	31 234	4
Al-Qahirah (Cairo)	28 504	5
Mumbai (Bombay)	27 343	6
Kinshasa	26 682	7
Ciudad de México (Mexico City)	25 415	8
Beijing	25 366	9
São Paulo	24 490	10
Lagos	24 419	11
Karachi	23 128	12
New York-Newark	20 817	13
Chongqing	20 531	14
Kolkata (Calcutta)	19 564	15
Lahore	19 117	16
Manila	18 649	17
Kinki M.M.A. (Osaka)	18 346	18
Bangalore	18 066	19
Istanbul	17 986	20
Buenos Aires	17 128	21
Guangzhou, Guangdong	16 741	22
Tianjin	16 446	23
Chennai (Madras)	15 376	24
Shenzhen	15 185	25
Rio de Janeiro	14 810	26
Luanda	14 495	27
Hyderabad	14 152	28
Los Angeles-Long Beach-Santa Ana	13 778	29
Jakarta	13 688	30
Dar es Salaam	13 383	31
(...)		
Paris	12 065	37
(...)		
London	10 556	44

Source : United Nations, World Urbanization Prospect, 2018

Functional urban areas in France



Functional urban areas in the United Kingdom



Source : OECD Metropolitan Database

Population of France and England's main metropolitan areas (2000-2015)

	Population (thousands)		Rank		Share of the population of the metropolitan area in the national population	
	2001	2015	2001	2015	2001	2015
Paris	11 002	12 007	1	1	18,56%	18,67%
London	10 173	11 854	2	2	17,21%	18,21%
Manchester	3 023	3 291	3	3	5,11%	5,05%
West Midlands urban area	2 689	2 939	4	4	4,55%	4,51%
Leeds	2 365	2 580	5	5	4,00%	3,96%
Lyon	1 760	1 951	6	6	2,97%	3,03%
Glasgow	1 750	1 804	7	7	2,96%	2,77%
Marseille	1 618	1 751	8	8	2,73%	2,72%
Lille	1 295	1 345	9	9	2,19%	2,09%
Toulouse	1 049	1 328	13	10	1,77%	2,07%
Liverpool	1 161	1 192	10	11	1,96%	1,83%
Bordeaux	1 017	1 170	14	12	1,72%	1,82%
Sheffield	1 077	1 170	12	13	1,82%	1,80%
Newcastle upon Tyne	1 110	1 160	11	14	1,88%	1,78%
Bristol	825	935	15	15	1,40%	1,44%
Nantes	792	907	17	16	1,34%	1,41%
Nottingham	816	900	16	17	1,38%	1,38%
Leicester	759	869	20	18	1,28%	1,34%
Edinburgh	779	868	19	19	1,32%	1,33%
Nice	787	818	18	20	1,33%	1,27%
Belfast	732	778	21	21	1,24%	1,20%
Cardiff	712	775	23	22	1,20%	1,19%
Strasbourg	722	775	22	23	1,22%	1,20%
Rennes	595	718	24	24	1,00%	1,12%
Rouen	663	694	25	25	1,12%	1,08%
Southampton	615	676	26	26	1,04%	1,04%
Montpellier	563	672	27	27	0,95%	1,04%
Grenoble	621	658	28	28	1,05%	1,02%
Kingston upon Hull	565	595	29	29	0,96%	0,91%
Coventry	516	588	30	30	0,87%	0,90%
Oxford	479	535	31	31	0,81%	0,82%
Portsmouth	490	534	32	32	0,83%	0,82%
Toulon	521	530	33	33	0,88%	0,82%
Bournemouth	475	526	34	34	0,80%	0,81%
Saint-Etienne	514	521	35	35	0,87%	0,81%
Metropolitan France	59 267	64 301	N/A	N/A	100%	100%
United Kingdom	59 113	65 110	N/A	N/A	100%	100%

Source : OECD data. OECD's "metropolitan areas" are defined as "densely inhabited "cities", and their "commuting zone" whose labour market is "highly integrated with the central cores".

Area covered

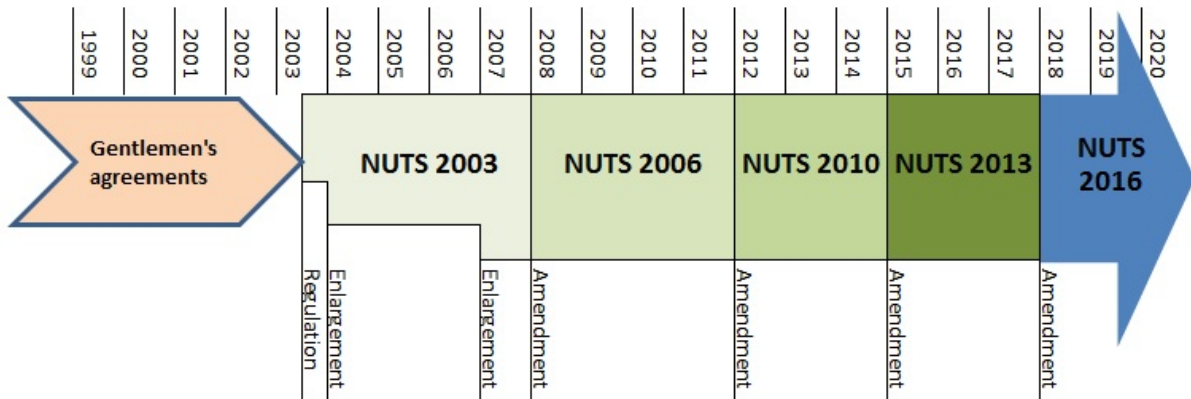
2016	Area covered by the metropolitan area	including area covered by the core (km ²)	including area covered by the commuting zone (km ²)	Share of the area covered by the core in the total metropolitan area
	km ²	km ²	km ²	%
Paris	12 079	2 074	10 005	17%
Aberdeen	6 496	186	6 310	3%
London	6 474	2 489	3 985	38%
Bordeaux	5 543	550	4 993	10%
Newcastle upon Tyne	5 425	405	5 020	7%
Toulouse	5 248	461	4 787	9%
Leeds	5 113	1 663	3 450	33%
Marseille	4 237	2 179	2 058	51%
Dijon	3 857	220	3 637	6%
Rennes	3 817	613	3 204	16%
Lyon	3 669	520	3 149	14%
Glasgow	3 365	1 070	2 295	32%
Limoges	3 177	475	2 702	15%
Nantes	3 163	535	2 628	17%
Manchester	3 117	1 274	1 843	41%
Nice	3 067	729	2 338	24%
Orleans	2 919	336	2 583	12%
Rouen	2 868	663	2 205	23%
Tours	2 852	340	2 512	12%
Nancy	2 832	143	2 689	5%
Clermont-Ferrand	2 663	303	2 360	11%
Grenoble	2 660	312	2 348	12%
Poitiers	2 503	253	2 250	10%
Kingston upon Hull	2 479	72	2 407	3%
Exeter	2 448	47	2 401	2%
Amiens	2 444	313	2 131	13%
Reims	2 428	88	2 340	4%
Besancon	2 389	434	1 955	18%
Angers	2 311	519	1 792	22%
Caen	2 248	186	2 062	8%
Dundee City	2 241	60	2 181	3%
Le Mans	2 240	158	2 082	7%
Montpellier	2 235	439	1 796	20%
Plymouth	2 133	81	2 052	4%
Lincoln	2 113	36	2 077	2%

Source : OECD data. OECD's "metropolitan areas" are defined as "densely inhabited "cities", and their "commuting zone" whose labour market is "highly integrated with the central cores".

The NUTS

	Minimum	Maximum
NUTS 1	3 000 000	7 000 000
NUTS 2	800 000	3 000 000
NUTS 3	150 000	800 000

Source: Regulation (EC) No 1059/2003 of the European Parliament and of the Council of 26 May 2003 on the establishment of a common classification of territorial units for statistics (NUTS)



Source : (Eurostat, 2018)

NUTS 3 have not been affected in both countries between.

The change in NUTS 3 between 1981 and 2017 in England

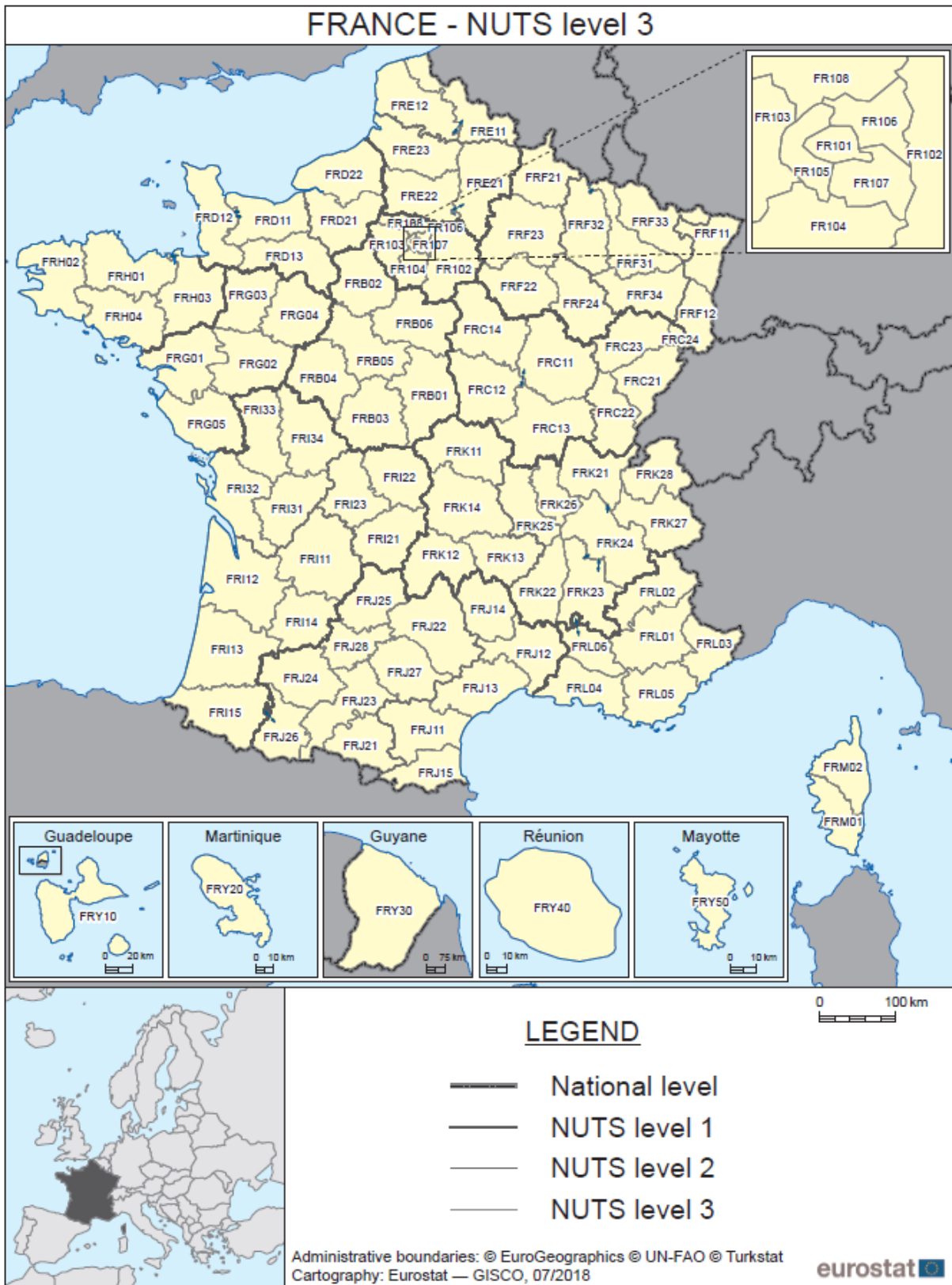
Statistical outlet for the time frame 1981-2001			➔	Statistical outlet for 2002 onwards		
NUTS 1	Nuts 3	Nuts 4		NUTS 1	Nuts 3	Nuts 4
East	Bedfordshire CC	Bedford		East	Bedford	Bedford
		Mid Bedfordshire			Central Bedfordshire	Central Bedfordshire
		South Bedfordshire				

NUTS 2 as applied to France by Eurostat



Source : Eurostat

NUTS 3 as applied to France by Eurostat



Source : Eurostat

NUTS 2 as applied to the United Kingdom by Eurostat



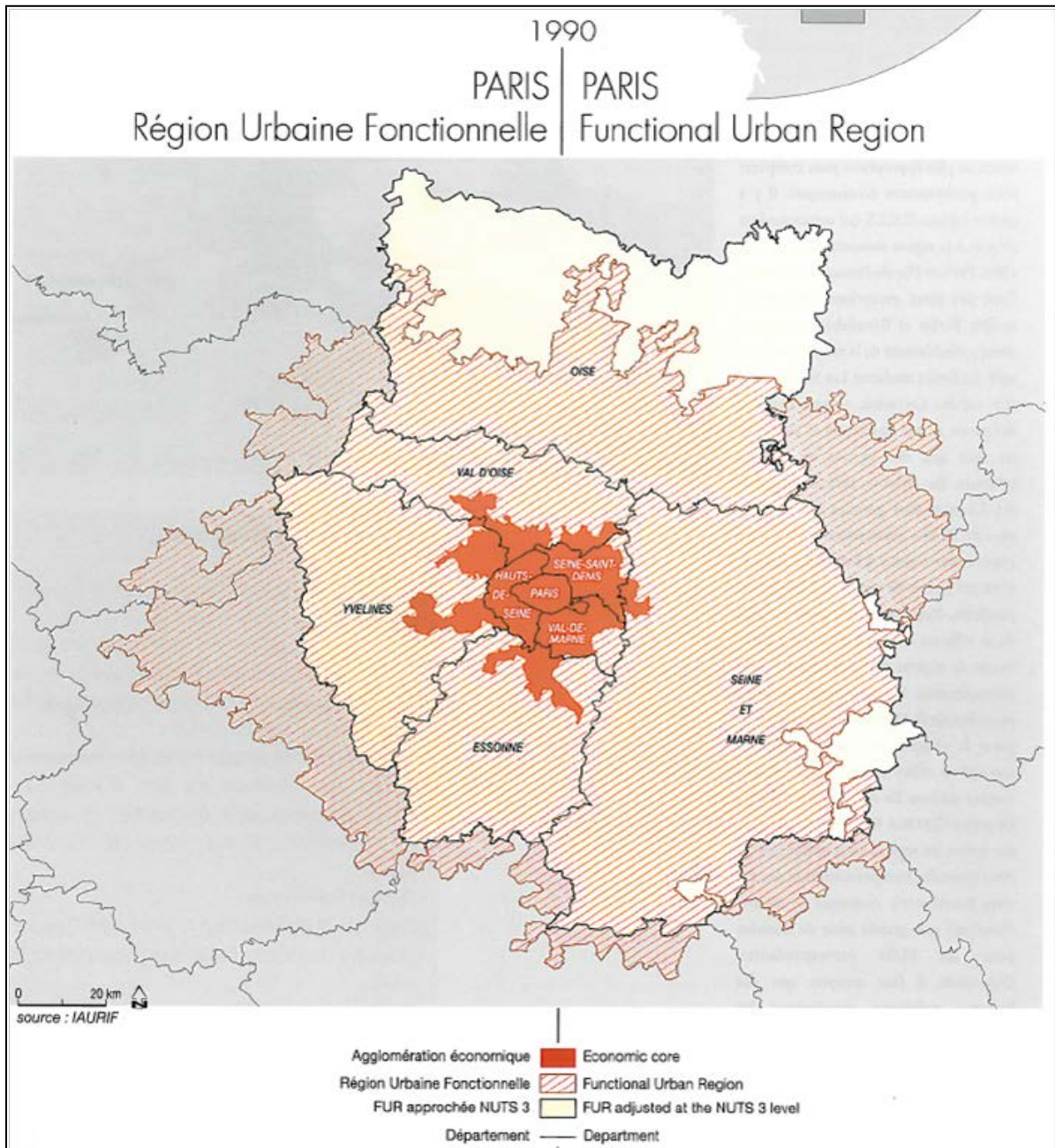
Source : Eurostat

NUTS 3 as applied to the United Kingdom (South) by Eurostat



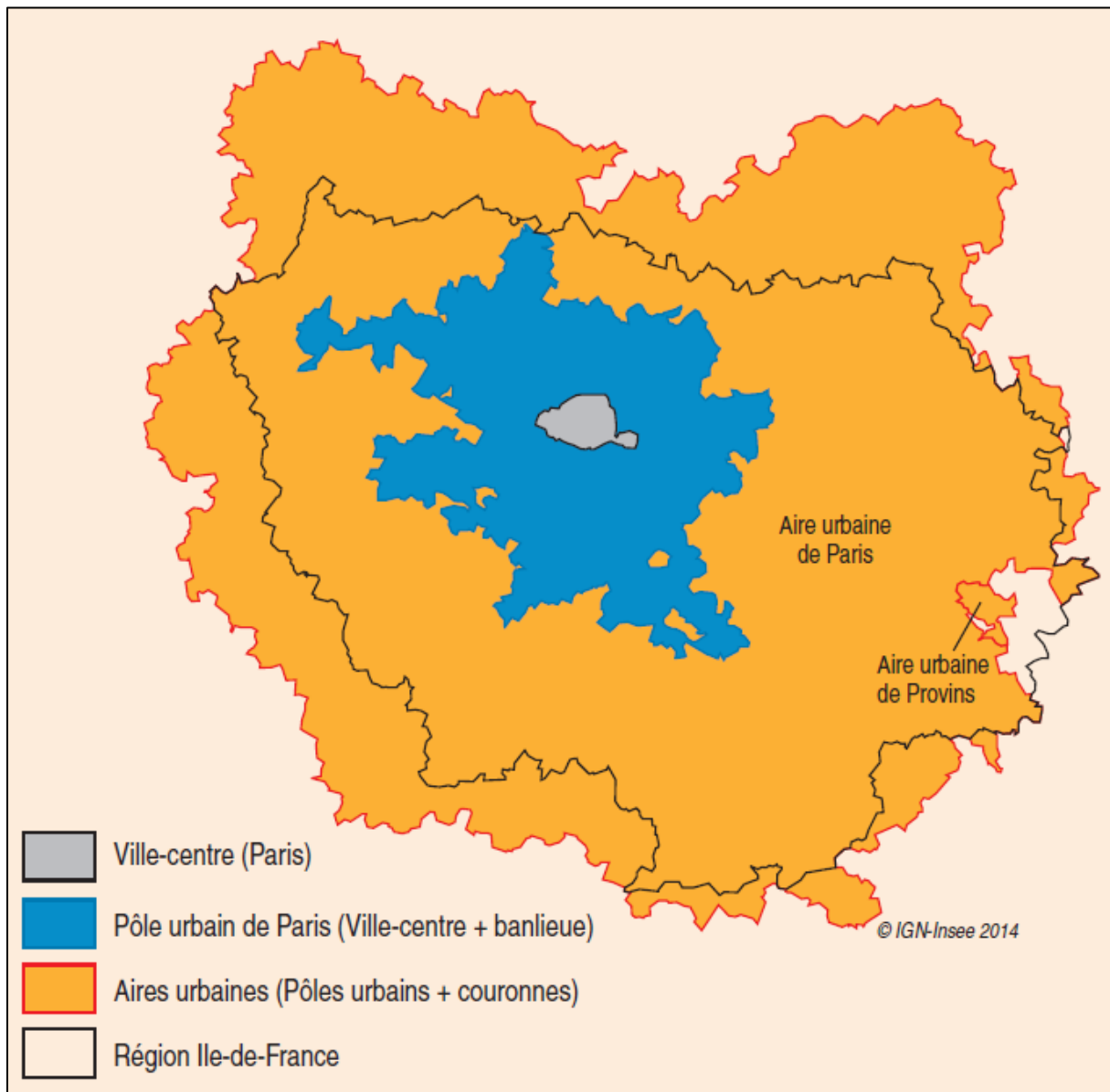
Source : Eurostat

The Paris FUR by the GEMACA Project



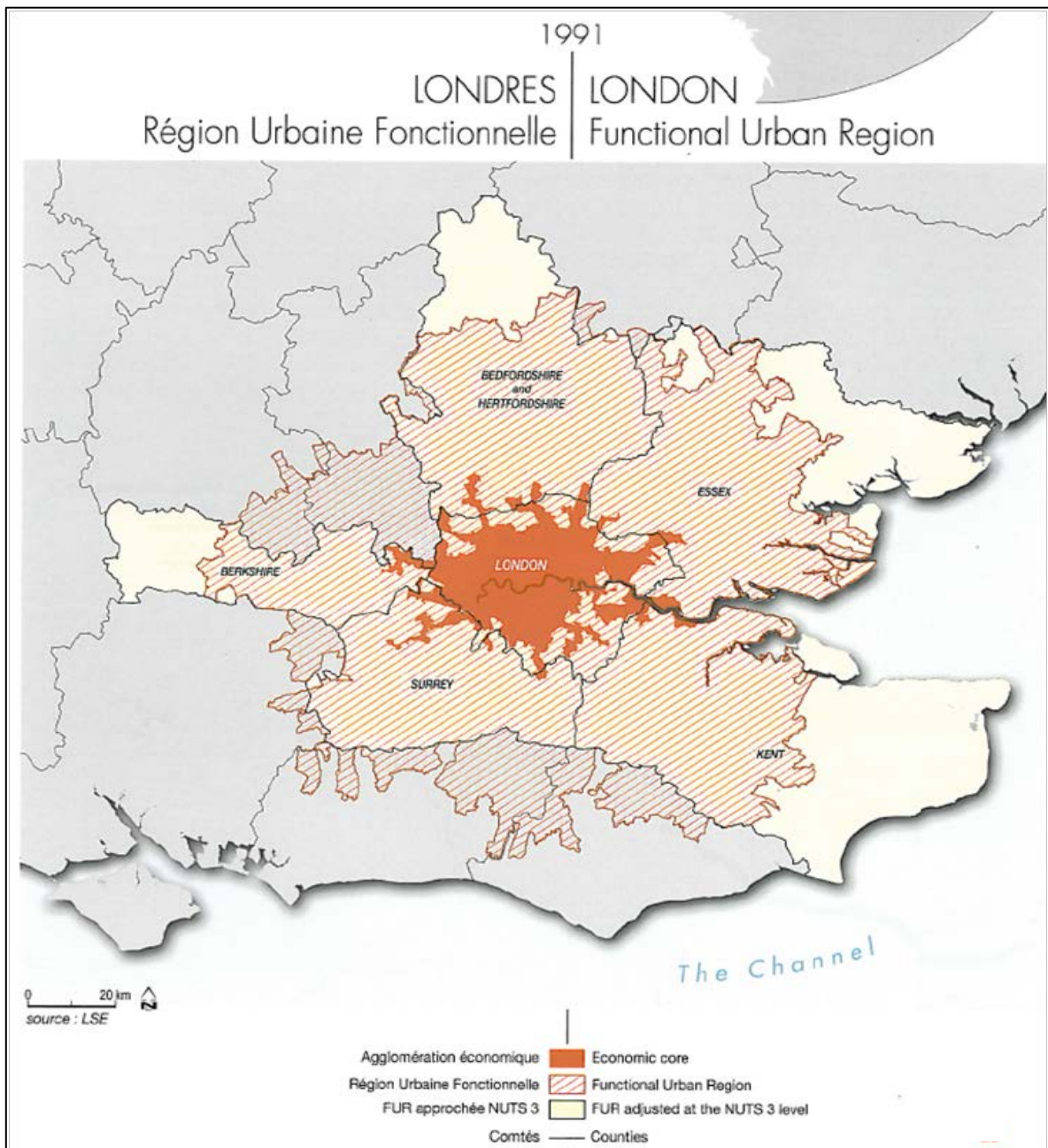
Source : (Cheshire and Gornostaeva, 2002, p.22)

The “aire urbaine” of Paris according to the INSEE 2010 “zonage” (2008 population census)



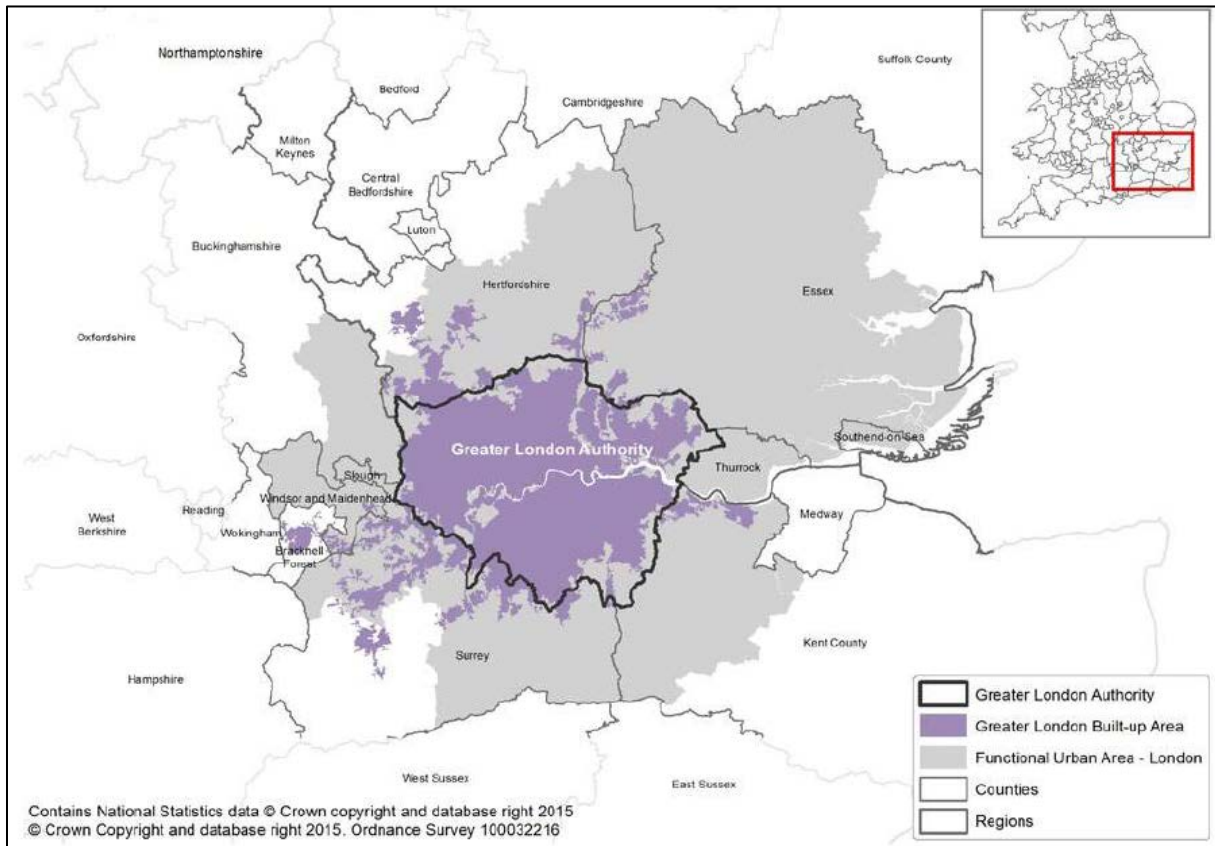
Source : (INSEE, 2014)

The London FUR by the GEMACA Project

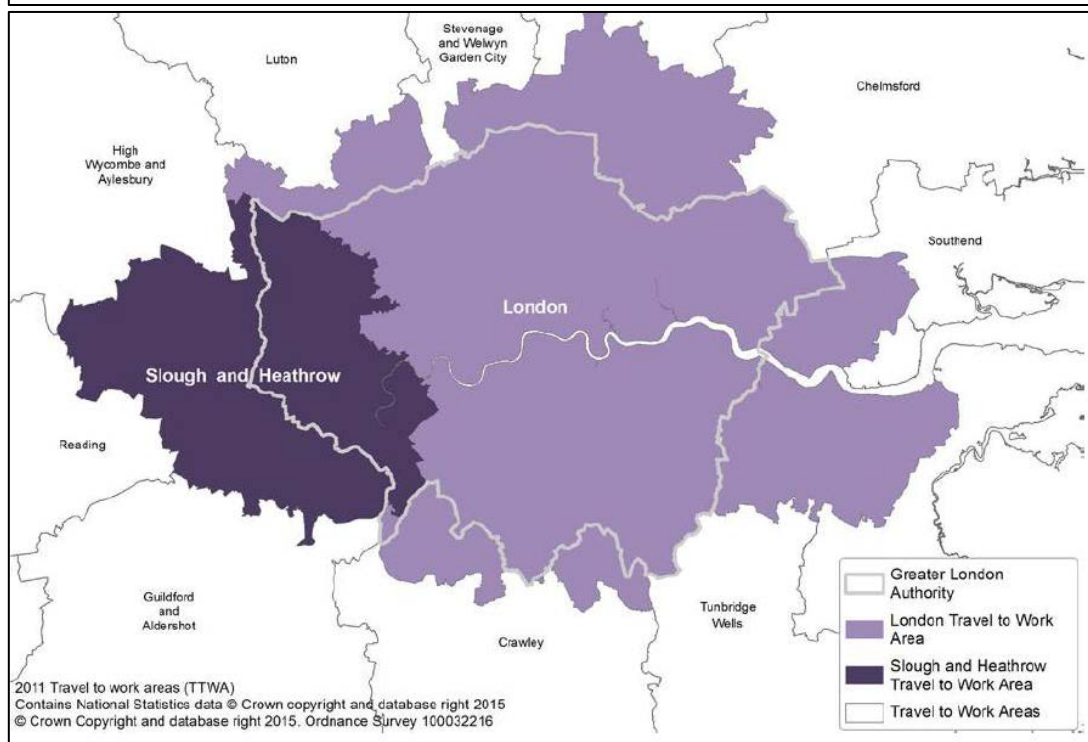
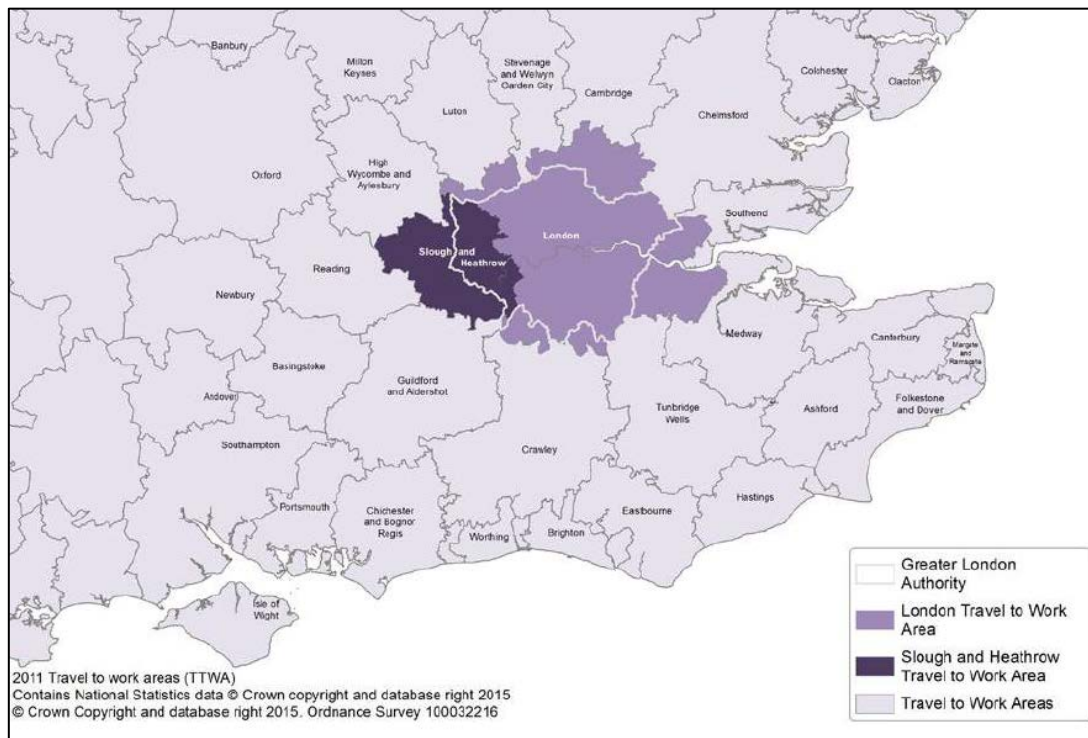


Source : (Cheshire and Gornostaeva, 2002, p.23)

London's functional urban area and built-up area according the Office for National Statistics 2011 Census



London's Travel To Work Areas according the 2011 Office for National Statistics Census



Source : (GLA Economics, 2016)

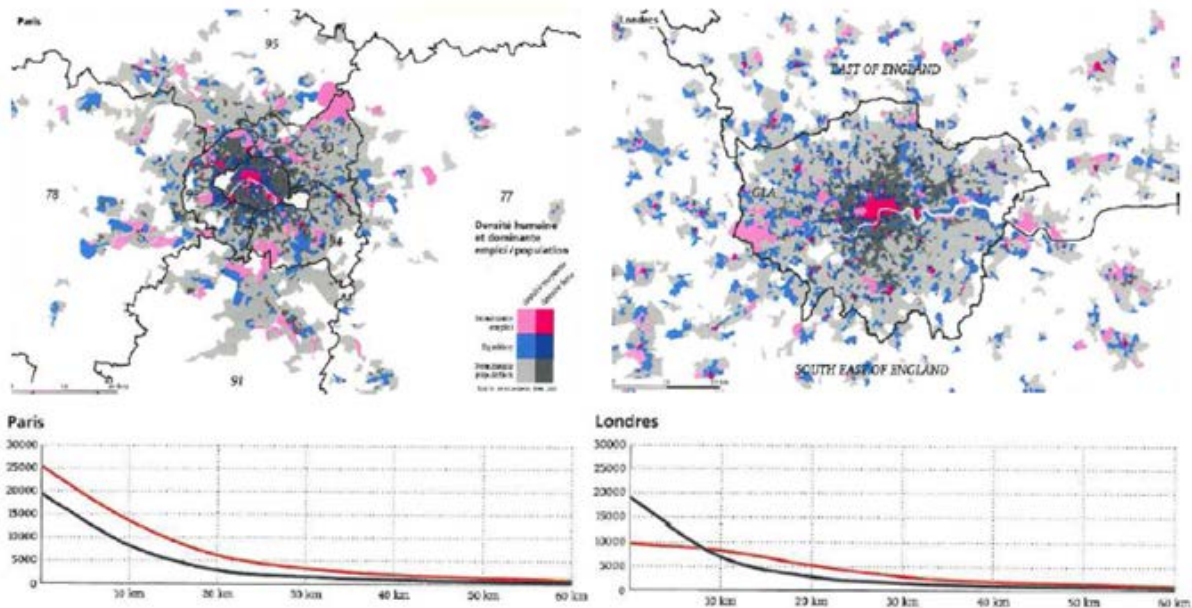
Paris as a core

Statistical outlet	
NUTS 2 / Régions	NUTS 3 / Départements
Région Ile-de-France	Paris
	Hauts-de-Seine
	Seine-Saint-Denis
	Val-de-Marne
	Yvelines
	Essonne
	Val-d'Oise
	Seine-et-Marne

London as a core

Statistical outlet		
NUTS 1	NUTS 2	NUTS 3
London	Inner London	Inner London - West
		Inner London - East
	Outer London	Outer London - East and North East
		Outer London - South
		Outer London - West and North West

Human densities (people + jobs) in Paris and London cores in the APUR 2008 study



Source : (Rol-Tanguy and al., 2008). The maps and graphs are based on the 1999 census and 2000 regional employment inquiry for Paris, and the Office for National Statistics (2001 census) for the London. Let us notice that the colours are reversed as compared to the maps : for the graphs red means population and black employment.

Paris as a functional urban region

Statistical outlet	
NUTS 2 / Régions	NUTS 3 / Départements
Région Ile-de-France	Paris
	Hauts-de-Seine
	Seine-Saint-Denis
	Val-de-Marne
	Yvelines
	Essonne
	Val-d'Oise
Seine-et-Marne	

London as a functional urban region

Statistical outlet		
NUTS 1	NUTS 2	NUTS 3
London	Inner London	Inner London - West
		Inner London - East
	Outer London	Outer London - East and North East
		Outer London - South
		Outer London - West and North West
East of England	East Anglia	Peterborough
		Cambridgeshire CC
		Norfolk
		Suffolk
	Bedfordshire and Hertfordshire	Luton
		Hertfordshire
		Bedford
	Essex	Central Bedfordshire
		Southend-on-Sea
		Thurrock
South East	Berkshire, Buckinghamshire and Oxfordshire	Essex CC
		Berkshire
		Milton Keynes
		Buckinghamshire CC
	Surrey, East and West Sussex	Oxfordshire
		Brighton and Hove
		East Sussex CC
		Surrey
	Hampshire and Isle of Wight	West Sussex
		Portsmouth
		Southampton
		Hampshire CC
	Kent	Isle of Wight
		Medway
		Kent CC

Paris as a mega-region

Statistical outlet	
NUTS 2 / Régions	NUTS 3 / Départements
Ile-de-France	Paris
	Hauts-de-Seine
	Seine-Saint-Denis
	Val-de-Marne
	Yvelines
	Essonne
	Val-d'Oise
	Seine-et-Marne
Champagne-Ardenne	Ardennes
	Aube
	Marne
	Haute-Marne
Picardie	Aisne
	Oise
	Somme
Haute-Normandie	Eure
	Seine-Maritime
Centre	Cher
	Eure-et-Loir
	Indre
	Indre-et-Loir
	Loir-et-Cher
	Loiret
Basse Normandie	Calvados
	Manche
	Orne
Bourgogne	Côte-d'Or
	Nièvre
	Saône-et-Loire
	Yonne
Pays de la Loire	Loire-Atlantique
	Maine-et-Loire
	Mayenne
	Sarthe
	Vendée

London as a mega-region

Statistical outlet		
NUTS 1	NUTS 2	NUTS 3
London	Inner London	Inner London - West
		Inner London - East
	Outer London	Outer London - East and North East
		Outer London - South
		Outer London - West and North West
	East of England	East Anglia
Cambridgeshire CC		
Norfolk		
Suffolk		
Bedfordshire and Hertfordshire		Luton
		Hertfordshire
		Bedford
		Central Bedfordshire
Essex		Southend-on-Sea
		Thurrock
		Essex CC
South East	Berkshire, Buckinghamshire and Oxfordshire	Berkshire
		Milton Keynes
		Buckinghamshire CC
		Oxfordshire
	Surrey, East and West Sussex	Brighton and Hove
		East Sussex CC
		Surrey
		West Sussex
	Hampshire and Isle of Wight	Portsmouth
		Southampton
		Hampshire CC
		Isle of Wight
	Kent	Medway
		Kent CC

Annual population estimates for Paris and London spaces (thousands), national sources

Annual population estimates (thousands)	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Paris and "petite couronne" / Equivalent core	6 107	6 088	6 094	6 086	6 091	6 101	6 117	6 122	6 132	6 132	6 134	6 138	6 137
Greater London / Equivalent core	6 805	6 765	6 753	6 755	6 767	6 774	6 766	6 729	6 752	6 799	6 829	6 829	6 844
Région IDF / Equivalent Paris FUR	10 032	10 075	10 132	10 172	10 239	10 316	10 403	10 491	10 571	10 645	10 696	10 753	10 793
Equivalent London FUR	12 615	12 584	12 593	12 621	12 660	12 689	12 692	12 681	12 713	12 777	12 830	12 851	12 882
Bassin parisien	19 151	19 247	19 357	19 447	19 552	19 665	19 779	19 905	20 025	20 134	20 221	20 315	20 390
Greater South East	18 903	18 911	18 958	19 042	19 145	19 242	19 301	19 340	19 390	19 485	19 580	19 629	19 672
Metropolitan France	54 029	54 335	54 650	54 895	55 157	55 411	55 682	55 966	56 270	56 577	56 841	57 111	57 369
United Kingdom	56 358	56 291	56 316	56 409	56 554	56 684	56 804	56 916	57 077	57 238	57 439	57 585	57 714
Paris and "petite couronne" / Equivalent core	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Greater London / Equivalent core	6 141	6 136	6 134	6 134	6 142	6 162	6 205	6 254	6 302	6 353	6 400	6 455	6 508
Région IDF / Equivalent Paris FUR	6 874	6 913	6 974	7 015	7 065	7 154	7 237	7 322	7 377	7 395	7 433	7 519	7 598
Equivalent London FUR	10 833	10 859	10 884	10 895	10 913	10 946	11 020	11 103	11 186	11 270	11 350	11 442	11 532
Bassin parisien	12 936	13 003	13 086	13 162	13 241	13 376	13 490	13 604	13 678	13 723	13 789	13 927	14 063
Greater South East	20 454	20 505	20 550	20 581	20 612	20 653	20 753	20 829	20 885	20 957	21 021	21 074	21 147
Metropolitan France	19 763	19 882	20 008	20 135	20 256	20 448	20 602	20 746	20 855	20 957	21 074	21 285	21 475
United Kingdom	57 565	57 753	57 936	58 116	58 299	58 497	58 858	59 267	59 686	60 102	60 505	60 963	61 400
Paris and "petite couronne" / Equivalent core	57 862	58 025	58 164	58 314	58 475	58 684	58 886	59 113	59 366	59 637	59 950	60 413	60 827
Greater London / Equivalent core	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017		
Région IDF / Equivalent Paris FUR	6 543	6 578	6 630	6 666	6 695	6 708	6 728	6 754	6 773	6 778	6 786		
Equivalent London FUR	7 693	7 812	7 943	8 061	8 204	8 308	8 417	8 539	8 667	8 770	8 825		
Bassin parisien	11 599	11 659	11 728	11 786	11 853	11 899	11 960	12 028	12 082	12 117	12 152		
Greater South East	14 226	14 411	14 597	14 784	14 988	15 147	15 317	15 512	15 701	15 869	15 964		
Metropolitan France	21 542	21 630	21 724	21 802	21 887	21 956	22 035	22 121	22 180	22 205	22 226		
United Kingdom	21 698	21 947	22 185	22 447	22 720	22 940	23 163	23 431	23 692	23 929	24 074		
	61 795	62 135	62 466	62 765	63 070	63 376	63 698	64 028	64 301	64 469	64 618		
	61 319	61 824	62 261	62 760	63 285	63 705	64 106	64 597	65 110	65 648	66 040		

Source : INSEE and Office for National Statistics / Annual population estimates

CHAPTER 2

Example of consistency tests between national and OECD data

Région Ile-de-France / Equivalent Paris FUR	1999	2000	2001	2002	2003	2004	2005	2006
Total Employment computed by INSEE	5 635	5 782	5 830	5 815	5 754	5 779	5 847	5 930
Total Employment computed by OECD	NA	5 782	5 830	5 815	5 754	5 779	5 847	5 930
Gap	NA	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%	0,00%

Région Ile-de-France / Equivalent Paris FUR	2007	2008	2009	2010	2011	2012	2013
Total Employment computed by INSEE	6 034	6 017	5 964	5 981	6 032	6 058	6 090
Total Employment computed by OECD	6 034	6 017	5 964	5 981	6 032	6 049	6 081
Gap	0,00%	0,00%	0,00%	0,00%	0,00%	0,15%	0,16%

Source : INSEE and OECD. The data here is given in thousands of people.

Région Ile-de-France / Equivalent Paris FUR	1997	1998	1999	2000	2001	2002	2003	2004
GDP computed by INSEE	363 834	376 775	400 656	421 557	435 758	452 160	461 183	477 144
GDP computed by OECD	360 972	373 860	397 197	421 009	435 192	451 572	460 575	476 583
Gap	0,79%	0,77%	0,86%	0,13%	0,13%	0,13%	0,13%	0,12%

Région Ile-de-France / Equivalent Paris FUR	2005	2006	2007	2008	2009	2010	2011	2012
GDP computed by INSEE	497 585	516 878	553 743	596 317	574 333	609 979	615 750	623 673
GDP computed by OECD	497 045	515 788	552 691	595 566	573 590	609 330	615 232	623 189
Gap	0,11%	0,21%	0,19%	0,13%	0,13%	0,11%	0,08%	0,08%

Source : INSEE and OECD. The data here is given in current millions of euros, before it is crunched by deflators.

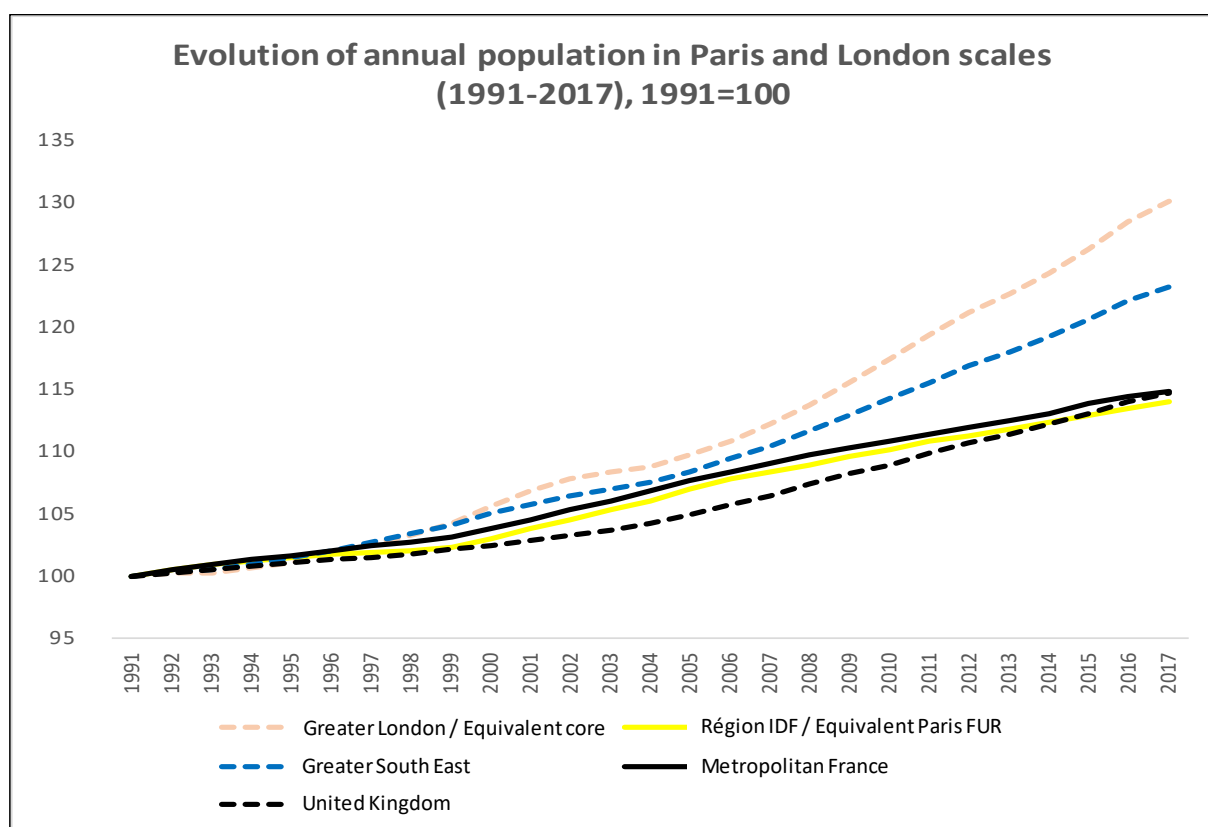
Annual population estimates for Paris and London spaces (thousands), national sources

Annual population estimates (thousands)	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Paris and "petite couronne" / Equivalent core	6 107	6 088	6 094	6 086	6 091	6 101	6 117	6 122	6 132	6 132	6 134	6 138	6 137
Greater London / Equivalent core	6 805	6 765	6 753	6 755	6 767	6 774	6 766	6 729	6 752	6 799	6 829	6 829	6 844
Région IDF / Equivalent Paris FUR	10 032	10 075	10 132	10 172	10 239	10 316	10 403	10 491	10 571	10 645	10 696	10 753	10 793
Equivalent London FUR	12 615	12 584	12 593	12 621	12 660	12 689	12 692	12 681	12 713	12 777	12 830	12 851	12 882
Bassin parisien	19 151	19 247	19 357	19 447	19 552	19 665	19 779	19 905	20 025	20 134	20 221	20 315	20 390
Greater South East	18 903	18 911	18 958	19 042	19 145	19 242	19 301	19 340	19 390	19 485	19 580	19 629	19 672
Metropolitan France	54 029	54 335	54 650	54 895	55 157	55 411	55 682	55 966	56 270	56 577	56 841	57 111	57 369
United Kingdom	56 358	56 291	56 316	56 409	56 554	56 684	56 804	56 916	57 077	57 238	57 439	57 585	57 714
Paris and "petite couronne" / Equivalent core	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Greater London / Equivalent core	6 141	6 136	6 134	6 134	6 142	6 162	6 205	6 254	6 302	6 353	6 400	6 455	6 508
Région IDF / Equivalent Paris FUR	6 874	6 913	6 974	7 015	7 065	7 154	7 237	7 322	7 377	7 395	7 433	7 519	7 598
Equivalent London FUR	10 833	10 859	10 884	10 895	10 913	10 946	11 020	11 103	11 186	11 270	11 350	11 442	11 532
Bassin parisien	12 936	13 003	13 086	13 162	13 241	13 376	13 490	13 604	13 678	13 723	13 789	13 927	14 063
Greater South East	20 454	20 505	20 550	20 581	20 612	20 653	20 753	20 829	20 882	20 982	21 095	21 201	21 447
Metropolitan France	19 763	19 882	20 008	20 135	20 256	20 448	20 602	20 746	20 855	20 957	21 074	21 285	21 475
United Kingdom	57 565	57 753	57 936	58 116	58 299	58 497	58 858	59 267	59 686	60 102	60 505	60 963	61 400
Paris and "petite couronne" / Equivalent core	57 862	58 025	58 164	58 314	58 475	58 684	58 886	59 113	59 366	59 637	59 950	60 413	60 827
Greater London / Equivalent core	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017		
Région IDF / Equivalent Paris FUR	6 543	6 578	6 630	6 666	6 695	6 708	6 728	6 754	6 773	6 778	6 786		
Equivalent London FUR	7 693	7 812	7 943	8 061	8 204	8 308	8 417	8 539	8 667	8 770	8 825		
Bassin parisien	11 599	11 659	11 728	11 786	11 853	11 899	11 960	12 028	12 082	12 117	12 152		
Greater South East	14 226	14 411	14 597	14 784	14 988	15 147	15 317	15 512	15 701	15 869	15 964		
Metropolitan France	21 542	21 630	21 724	21 802	21 887	21 956	22 035	22 121	22 180	22 205	22 226		
United Kingdom	21 698	21 947	22 185	22 447	22 720	22 940	23 163	23 431	23 692	23 929	24 074		
	61 795	62 135	62 466	62 765	63 070	63 376	63 698	64 028	64 301	64 469	64 618		
	61 319	61 824	62 261	62 760	63 285	63 705	64 106	64 597	65 110	65 648	66 040		

Source : INSEE and Office for National Statistics / Annual population estimates

Annual population estimates for Paris and London scales (thousands), OECD data (thousands)

	1991	1992	1993	1994	1995	1996	1997	1998	1999
Greater London / Equivalent core	6 814	6 829	6 837	6 859	6 893	6 944	6 995	7 040	7 110
Région IDF / Equivalent Paris core	10 696	10 753	10 793	10 833	10 859	10 884	10 895	10 913	10 946
Greater South East	19 532	19 604	19 650	19 718	19 822	19 945	20 071	20 196	20 352
Metropolitan France	58 313	58 605	58 886	59 104	59 315	59 522	59 726	59 935	60 159
United Kingdom	57 338	57 512	57 649	57 788	57 944	58 095	58 239	58 395	58 580
	2000	2001	2002	2003	2004	2005	2006	2007	2008
Greater London / Equivalent core	7 195	7 280	7 350	7 386	7 414	7 476	7 559	7 646	7 753
Région IDF / Equivalent Paris core	11 020	11 103	11 186	11 270	11 350	11 442	11 532	11 599	11 659
Greater South East	20 525	20 674	20 801	20 907	21 017	21 180	21 381	21 588	21 824
Metropolitan France	60 545	60 979	61 424	61 864	62 292	62 773	63 230	63 645	64 007
United Kingdom	58 785	59 000	59 240	59 501	59 794	60 182	60 620	61 073	61 572
	2009	2010	2011	2012	2013	2014	2015	2016	2017
Greater London / Equivalent core	7 878	8 003	8 134	8 257	8 363	8 477	8 606	8 759	8 868
Région IDF / Equivalent Paris core	11 728	11 786	11 853	11 899	11 960	12 028	12 082	12 139	12 194
Greater South East	22 067	22 317	22 584	22 831	23 053	23 287	23 563	23 857	24 076
Metropolitan France	64 350	64 659	64 979	65 277	65 600	65 942	66 456	66 731	66 989
United Kingdom	62 042	62 510	63 023	63 495	63 905	64 351	64 875	65 383	65 809



Source : OECD

OECD data on international migrants for French and British main regions

2015	FOREIGN BORN							
	Share of Foreign-Born Population	Share of EU Foreign-Born Population	Share of non-EU Foreign-Born	Share of 15+ age Foreign-Born	Evolution of the share of 15+ age Foreign-Born in the last 10 years	Share of women	Share of women among the EU population	Share of women among the Non-EU Foreign-Born population
Metropolitan France	11%	3%	8%	13%	0,6%	51%	53%	51%
Région IDF / Equivalent Paris FUR	21%	4%	17%	25%	1,1%	52%	55%	52%
Champagne-Ardennes	7%	3%	4%	8%	-0,3%	54%	53%	55%
Picardie	7%	2%	5%	9%	1,6%	52%	57%	50%
Haute-Normandie	7%	2%	5%	8%	2,1%	49%	51%	48%
Centre (FR)	8%	3%	5%	9%	0,8%	51%	49%	51%
Basse-Normandie	3%	1%	2%	3%	-0,5%	52%	60%	49%
United Kingdom	14%	5%	9%	15%	3,9%	52%	52%	51%
East of England	12%	5%	7%	13%	3,5%	52%	54%	51%
Greater London / Equivalent core	37%	11%	27%	44%	7,4%	52%	53%	52%
South East of England	13%	5%	8%	14%	3,9%	52%	54%	52%

2015	FOREIGN BORN							
	Dependency ratio	Share of Very Active Population	Share of New Foreign-Born (less than 10 years)	Share of Settled Foreign-Born (more than 10 years of presence)	Mean years of presence, all Foreign-Born	Share of EU Foreign-Born New Arrivals	Share of EU Settled Migrants	Share of non-EU Foreign-Born New Arrivals
Metropolitan France	28%	48%	25%	75%	23,4	25%	78%	23%
Région IDF / Equivalent Paris FUR	20%	56%	21%	79%	21,9	22%	78%	18%
Champagne-Ardennes	31%	44%	36%	64%	22,9	NA	91%	31%
Picardie	20%	61%	22%	78%	23,1	NA	82%	20%
Haute-Normandie	23%	54%	29%	71%	19,6	NA	99%	36%
Centre (FR)	26%	49%	22%	78%	24,8	17%	83%	22%
Basse-Normandie	28%	49%	29%	71%	20,0	NA	80%	30%
United Kingdom	19%	60%	51%	49%	14,3	61%	39%	36%
East of England	20%	60%	50%	50%	14,2	57%	44%	35%
Greater London / Equivalent core	17%	64%	45%	55%	14,0	58%	42%	34%
South East of England	19%	62%	48%	52%	14,5	53%	48%	38%

2015	FOREIGN BORN			NATIVE-BORN			
	Share of non-EU Settled Migrants	Share of Foreign-Born with host-country nationality	Difference from country average in share of nationals among the Foreign-Born	Share of women	Share of women among the EU population	Dependency ratio	Share of Very Active Population
Metropolitan France	77%	60%	2%	52%	52%	38%	38%
Région IDF / Equivalent Paris FUR	82%	55%	-5%	52%	52%	37%	39%
Champagne-Ardennes	69%	63%	4%	51%	51%	37%	37%
Picardie	80%	59%	-1%	50%	50%	38%	38%
Haute-Normandie	64%	54%	-5%	53%	53%	38%	37%
Centre (FR)	78%	52%	-8%	51%	51%	39%	36%
Basse-Normandie	70%	66%	6%	50%	50%	38%	37%
United Kingdom	64%	63%	-1%	51%	51%	38%	38%
East of England	65%	58%	-5%	51%	51%	39%	37%
Greater London / Equivalent core	67%	64%	0%	49%	49%	39%	39%
South East of England	62%	61%	-2%	51%	51%	39%	37%

Source : OECD. "Very active population" points out the share of population aged 25-54. The "dependency ratio" indicates the share of people aged 0-14 and 64+ or more related to same category of people. For instance, the dependency ratio for foreign-born points out the share of foreign-born aged 0-14 and 64+ within the whole foreign-born population.

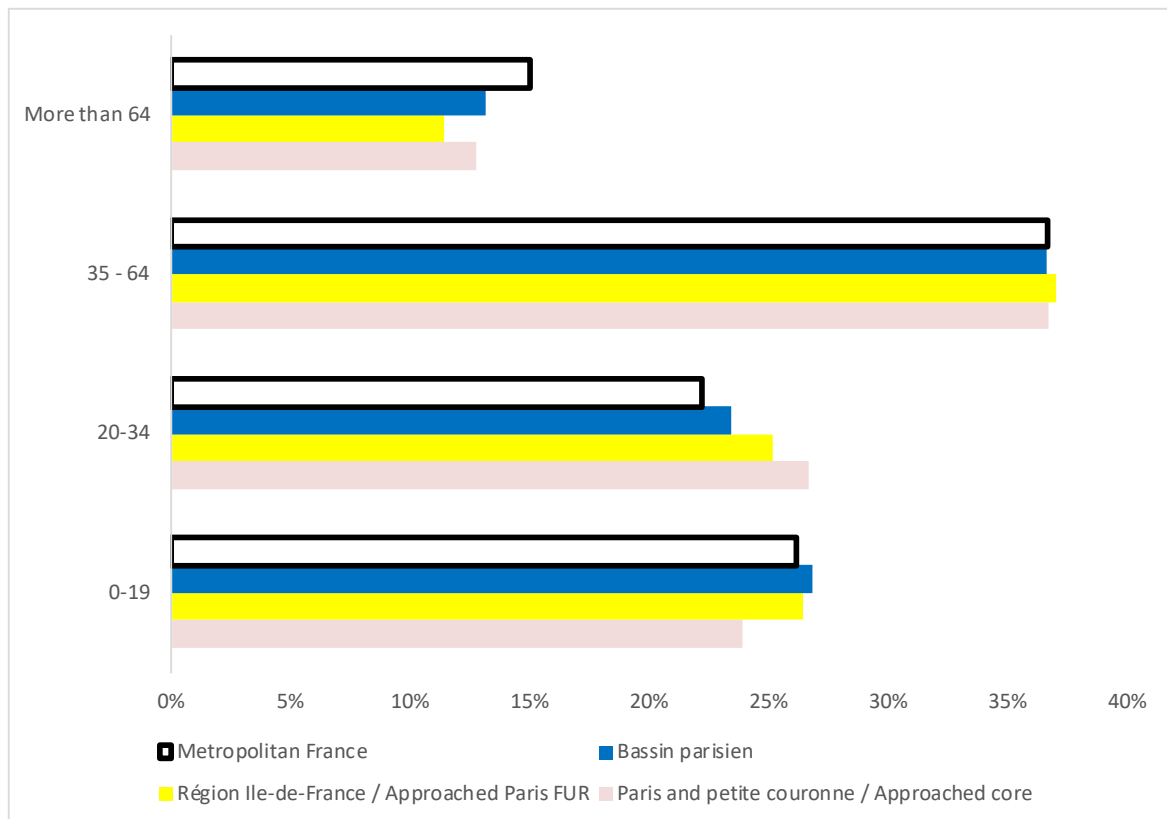
Annual additional population and its drivers in Greater London (2001-2012), thousands

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	%
Greater London / Equivalent core	54	18	38	86	79	96	119	130	119	143	104	6,1%
<i>Including net natural population change</i>	47	51	55	60	66	73	78	78	83	87	86	5,6%
<i>Including net international migration</i>	96	70	93	111	89	100	109	84	79	97	69	-3,0%
<i>Including net internal migration</i>	-89	-103	-11	-85	-77	-77	-68	-32	-43	-40	-52	-4,8%

Source : (Louchart, 2015)

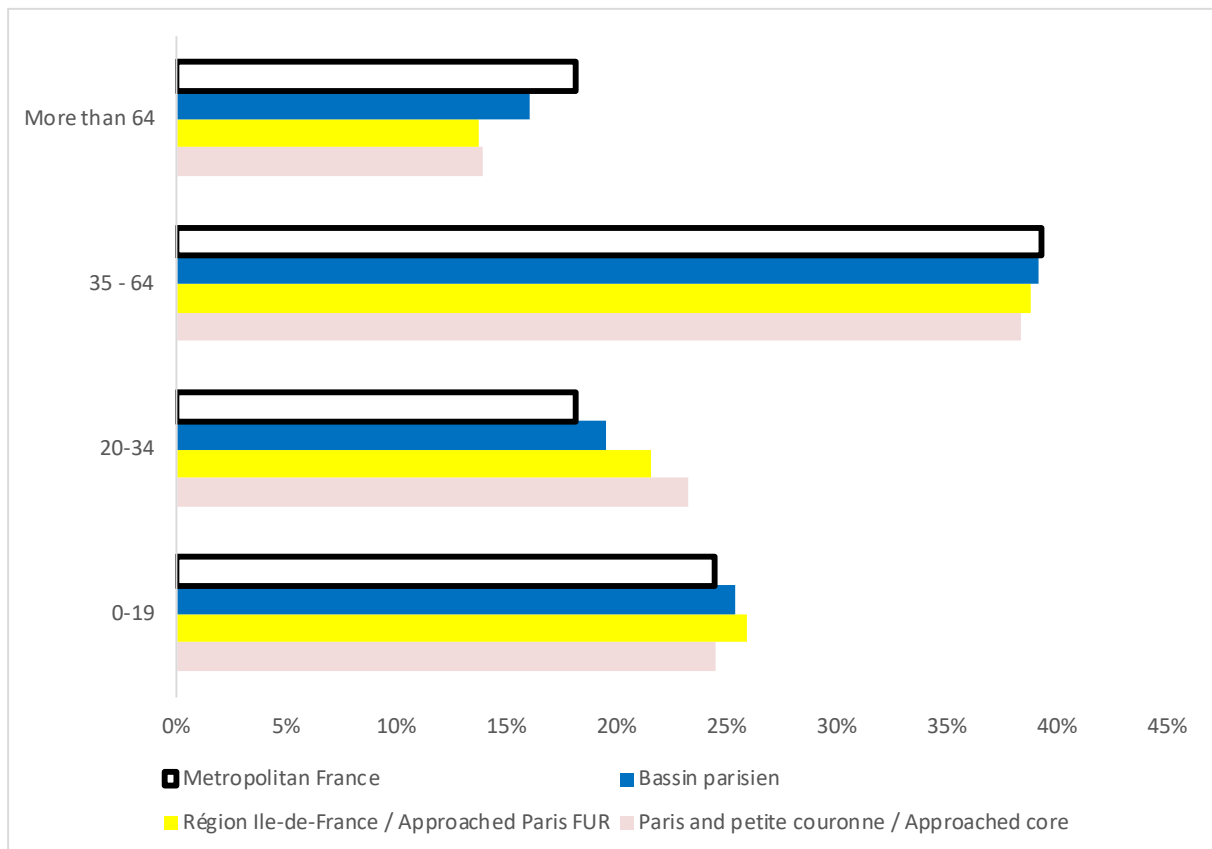
Age pyramid of Paris spaces in 1995

Age category	1995			
	Paris and petite couronne / Approached core	Région IDF / Equivalent Paris core	Bassin parisien	Metropolitan France
0-19	24%	26%	27%	26%
20-34	27%	25%	23%	22%
35 - 64	37%	37%	37%	37%
More than 64	13%	11%	13%	15%



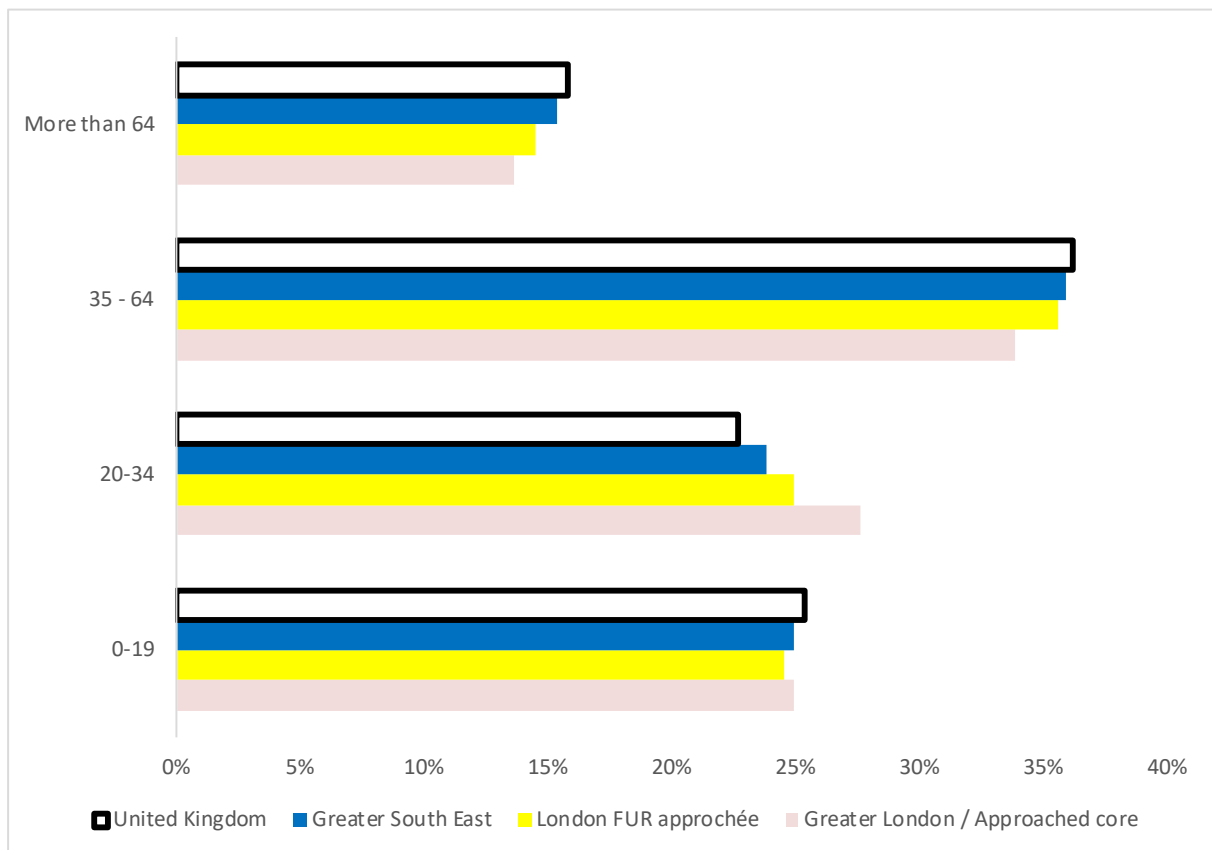
Age pyramid of Paris spaces in 2014

Age category	2014			
	Paris and petite couronne / Equivalent core	Région IDF / Equivalent Paris core	Bassin parisien	Metropolitan France
0-19	24%	26%	25%	24%
20-34	23%	22%	19%	18%
35 - 64	38%	39%	39%	39%
More than 64	14%	14%	16%	18%



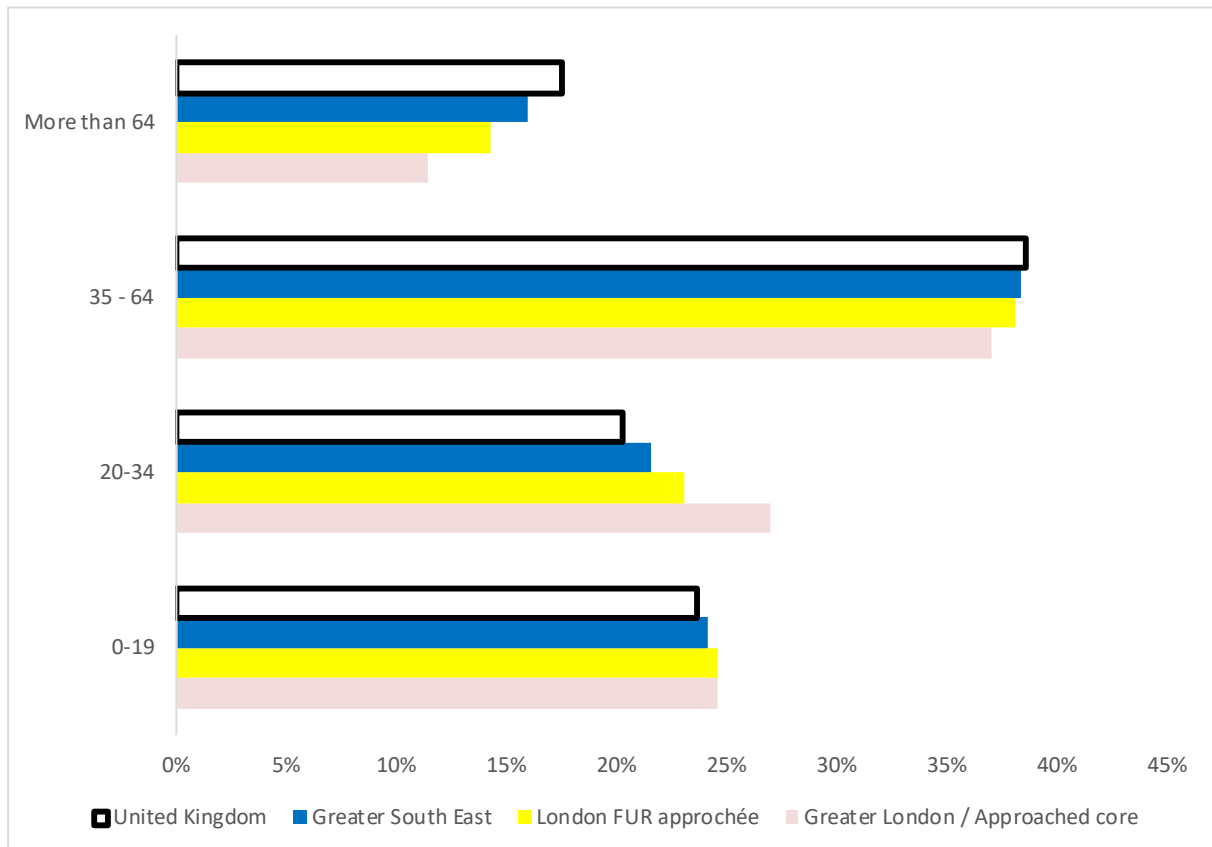
Age pyramid of London spaces in 1995

Age category	1995			
	Greater London / Equivalent core	Equivalent London FUR	Greater South East	United Kingdom
0-19	25%	24%	25%	25%
20-34	28%	25%	24%	23%
35 - 64	34%	36%	36%	36%
More than 64	14%	15%	15%	16%



Age pyramid of London spaces in 2014

Age category	2014			
	Greater London / Equivalent core	Equivalent London FUR	Greater South East	United Kingdom
0-19	25%	25%	24%	24%
20-34	27%	23%	22%	20%
35 - 64	37%	38%	38%	39%
More than 64	11%	14%	16%	18%



Demographic dependency ratio regarding age pyramids

Demographic dependency ratio (-15 ans 65+ related to 15-64)								
	1995	2000	2005	2010	2011	2012	2013	2014
Paris and petite couronne / Equivalent core	45%	46%	45%	46%	46%	47%	48%	48%
Greater London / Equivalent core	49%	47%	44%	43%	43%	43%	44%	44%
Région IDF / Equivalent Paris FUR	46%	47%	47%	48%	48%	49%	50%	51%
Equivalent London FUR	50%	49%	48%	47%	47%	48%	49%	49%
Bassin parisien	49%	50%	50%	50%	51%	51%	52%	53%
Greater South East	53%	52%	50%	49%	50%	50%	51%	52%
Metropolitan France	53%	54%	54%	54%	55%	56%	57%	58%
United Kingdom	55%	54%	52%	51%	52%	52%	54%	54%
Dependency ratio to young inactives (-15 related to 15-64)								
	1995	2000	2005	2010	2011	2012	2013	2014
Paris and petite couronne / Equivalent core	26%	26%	27%	27%	27%	27%	28%	28%
Greater London / Equivalent core	29%	28%	27%	27%	27%	27%	27%	27%
Région IDF / Equivalent Paris FUR	30%	29%	29%	29%	29%	29%	30%	30%
Equivalent London FUR	28%	28%	28%	27%	27%	28%	28%	28%
Bassin parisien	31%	30%	29%	29%	29%	29%	30%	30%
Greater South East	29%	29%	28%	27%	27%	27%	28%	28%
Metropolitan France	30%	29%	28%	28%	28%	29%	29%	29%
United Kingdom	30%	29%	28%	27%	27%	27%	27%	27%
Dependency ratio of elderly people (65+ related to 15-64)								
	1995	2000	2005	2010	2011	2012	2013	2014
Paris and petite couronne / Equivalent core	19%	19%	19%	19%	19%	20%	20%	21%
Greater London / Equivalent core	20%	18%	17%	16%	16%	16%	16%	16%
Région IDF / Equivalent Paris FUR	17%	18%	18%	19%	19%	20%	20%	21%
Equivalent London FUR	22%	21%	20%	20%	20%	20%	21%	21%
Bassin parisien	19%	20%	21%	21%	21%	22%	23%	23%
Greater South East	23%	23%	22%	22%	23%	23%	24%	24%
Metropolitan France	23%	25%	25%	26%	26%	27%	28%	29%
United Kingdom	24%	24%	24%	25%	25%	26%	27%	27%

Source : OECD

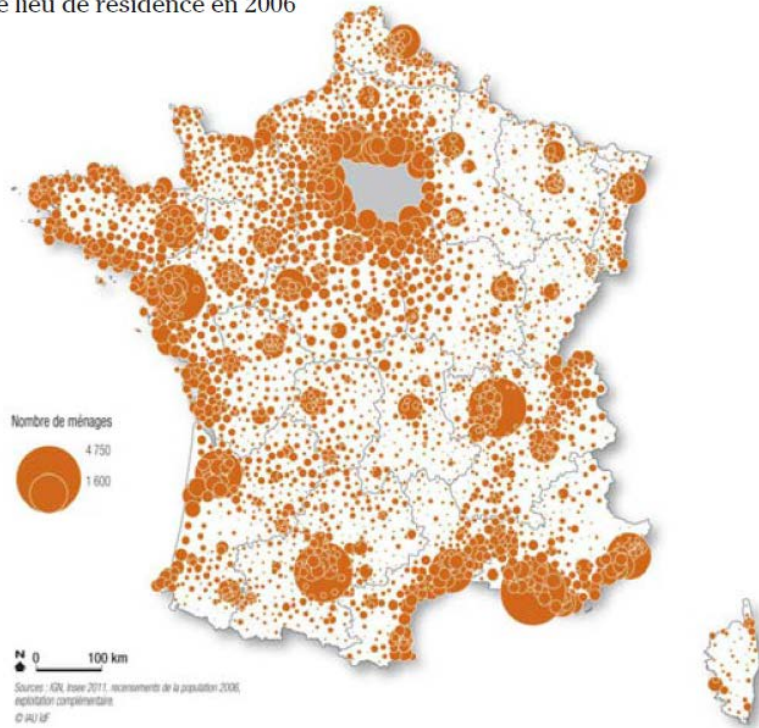
Detailed data on internal migration in England and Wales (Mid 2014 – Mid 2015)

Internal migration in England and Wales (Mid 2014 - Mid 2015)							
From	To	Number of people					
East Midlands (England)	East Midlands (England)	125 308					
	Greater London	14 842					
	North East (England)	3 576					
	North West (England)	11 128					
	Rest of Greater South East (East)	10 632					
	Rest of Greater South East (South East)	9 690					
	Rest of London FUR	9 815					
	South West (England)	8 867					
	Wales	2 990					
	West Midlands (England)	17 106					
	Yorkshire and The Humber	19 277					
Greater London	East Midlands (England)	16 012	Total people leaving Greater London	274 607	For	Total people	Share
	Greater London	382 232			Rest of London FUR	119 887	44%
	North East (England)	4 396			Greater South East (East)	16 059	6%
	North West (England)	14 873			Greater South East (South East)	43 997	16%
	Rest of Greater South East (East)	16 059			Rest of England and Wales	94 664	34%
	Rest of Greater South East (South East)	43 997			incl. South West	24 854	9%
	Rest of London FUR	119 887			incl. West Midlands	17 757	6%
	South West (England)	24 854			incl. East Midlands	16 012	6%
	Wales	5 538			incl. North West	14 873	5%
	West Midlands (England)	17 757			incl. Yorkshire and the Humber	11 233	4%
	Yorkshire and The Humber	11 233			incl. Wales	5 538	2%
Rest of London FUR	East Midlands (England)	14 603					
	Greater London	60 049					
	North East (England)	3 637					
	North West (England)	8 986					
	Rest of Greater South East (East)	26 881					
	Rest of Greater South East (South East)	49 141					
	Rest of London FUR	157 531					
	South West (England)	25 655					
	Wales	5 480					
	West Midlands (England)	11 172					
	Yorkshire and The Humber	8 620					
South West (England)	East Midlands (England)	6 985					
	Greater London	20 641					
	North East (England)	2 248					
	North West (England)	7 573					
	Rest of Greater South East (East)	5 087					
	Rest of Greater South East (South East)	24 470					
	Rest of London FUR	15 134					
	South West (England)	150 910					
	Wales	11 999					
	West Midlands (England)	13 254					
	Yorkshire and The Humber	5 707					
Wales	East Midlands (England)	3 141					
	Greater London	6 326					
	North East (England)	1 010					
	North West (England)	10 185					
	Rest of Greater South East (East)	1 654					
	Rest of Greater South East (South East)	4 714					
	Rest of London FUR	4 228					
	South West (England)	12 143					
	Wales	59 180					
	West Midlands (England)	8 258					
	Yorkshire and The Humber	2 906					
West Midlands (England)	East Midlands (England)	19 184					
	Greater London	15 867					
	North East (England)	2 362					
	North West (England)	14 998					
	Rest of Greater South East (East)	4 155					
	Rest of Greater South East (South East)	8 775					
	Rest of London FUR	8 279					
	South West (England)	16 666					
	Wales	8 794					
	West Midlands (England)	126 962					
	Yorkshire and The Humber	8 467					
Yorkshire and The Humber	East Midlands (England)	19 521					
	Greater London	13 894					
	North East (England)	10 820					
	North West (England)	22 929					
	Rest of Greater South East (East)	4 478					
	Rest of Greater South East (South East)	5 807					
	Rest of London FUR	7 246					
	South West (England)	6 409					
	Wales	2 726					
	West Midlands (England)	8 220					
	Yorkshire and The Humber	97 054					

Source : Office for National Statistics

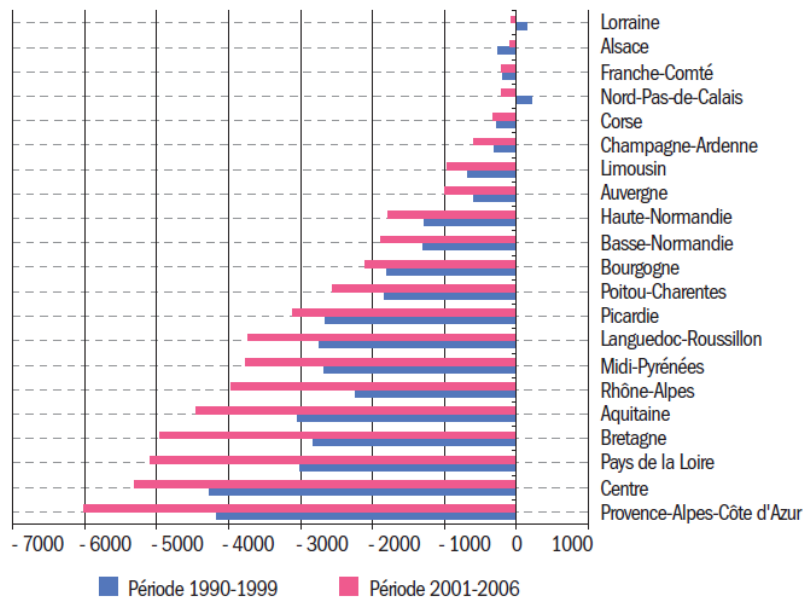
Destination of people leaving the Région Ile-de-France

Nombre de ménages ayant quitté l'Île-de-France entre 2001 et 2006 selon le lieu de résidence en 2006



Source : Insee, recensement de la population 2006, exploitation complémentaire
© Insee 2011

Solde annuel de migration nette des 30-59 ans entre l'Île-de-France et les régions de France métropolitaine (en nombre)



Source : Insee, recensements de la population 1999 et 2006, exploitations complémentaires

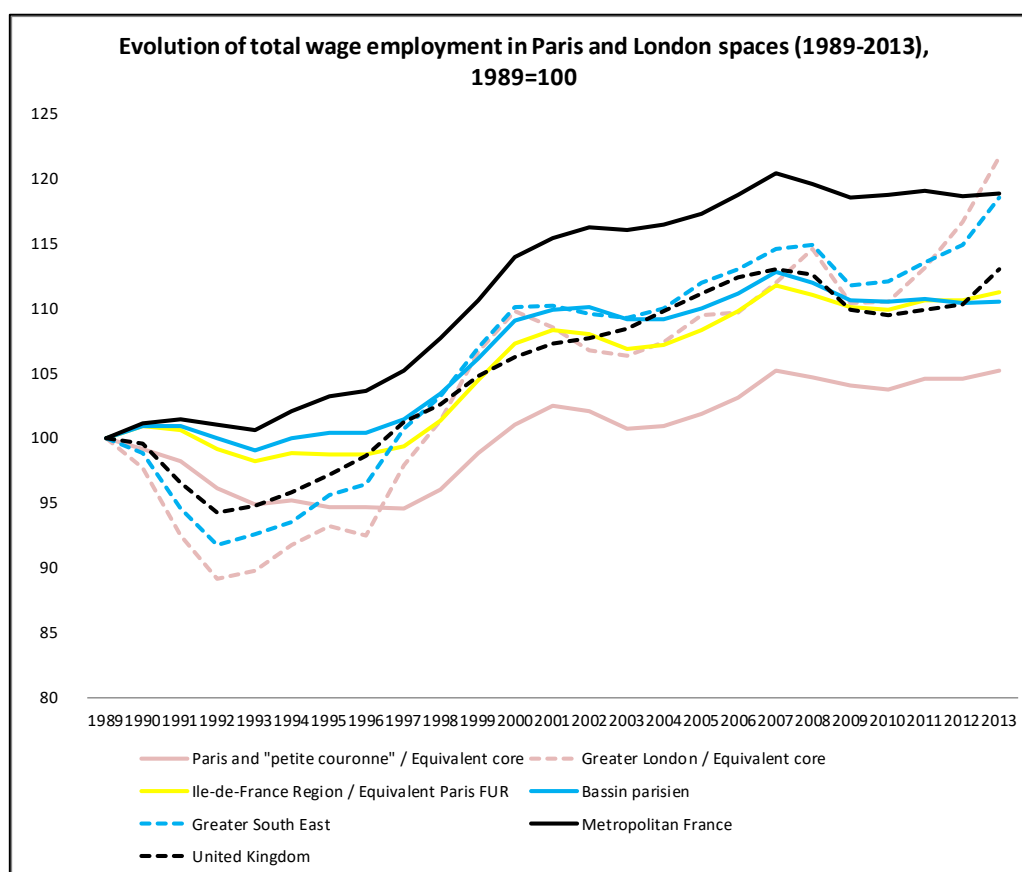
Source : (Institut Paris Région, 2011)

Evolution of wage employment in Paris and London spaces, national data (1989-2013), thousands

	1989	1990	1991	1992	1993	1994	1995	1996	1997
Paris and "petite couronne" / Equivalent core	3 679	3 648	3 612	3 537	3 492	3 502	3 484	3 482	3 479
Greater London / Equivalent core	3 835	3 747	3 548	3 418	3 442	3 520	3 573	3 547	3 753
Ile-de-France Region / Equivalent Paris FUR	5 112	5 156	5 141	5 069	5 022	5 050	5 048	5 048	5 079
Bassin parisien	8 249	8 326	8 320	8 247	8 172	8 248	8 281	8 284	8 363
Greater South East	9 262	9 151	8 761	8 496	8 577	8 664	8 851	8 930	9 325
Metropolitan France	20 041	20 270	20 337	20 249	20 152	20 448	20 686	20 770	21 084
United Kingdom	24 821	24 699	23 957	23 392	23 527	23 782	24 112	24 470	25 131

	1998	1999	2000	2001	2002	2003	2004	2005
Paris and "petite couronne" / Equivalent core	3 534	3 636	3 716	3 772	3 754	3 705	3 712	3 747
Greater London / Equivalent core	3 887	4 091	4 210	4 160	4 095	4 078	4 116	4 198
Ile-de-France Region / Equivalent Paris FUR	5 179	5 339	5 483	5 534	5 521	5 463	5 476	5 536
Bassin parisien	8 527	8 758	8 994	9 065	9 076	8 999	9 002	9 068
Greater South East	9 555	9 908	10 196	10 201	10 151	10 115	10 185	10 366
Metropolitan France	21 579	22 168	22 842	23 133	23 300	23 259	23 340	23 503
United Kingdom	25 452	25 993	26 366	26 630	26 730	26 903	27 234	27 588

	2006	2007	2008	2009	2010	2011	2012	2013
Paris and "petite couronne" / Equivalent core	3 794	3 870	3 849	3 827	3 818	3 847	3 846	3 872
Greater London / Equivalent core	4 204	4 294	4 394	4 233	4 237	4 339	4 472	4 665
Ile-de-France Region / Equivalent Paris FUR	5 612	5 710	5 676	5 626	5 619	5 654	5 655	5 686
Bassin parisien	9 165	9 302	9 233	9 125	9 112	9 134	9 102	9 114
Greater South East	10 463	10 615	10 642	10 354	10 383	10 510	10 636	10 978
Metropolitan France	23 794	24 130	23 967	23 744	23 790	23 851	23 781	23 821
United Kingdom	27 897	28 049	27 937	27 262	27 160	27 278	27 369	28 036

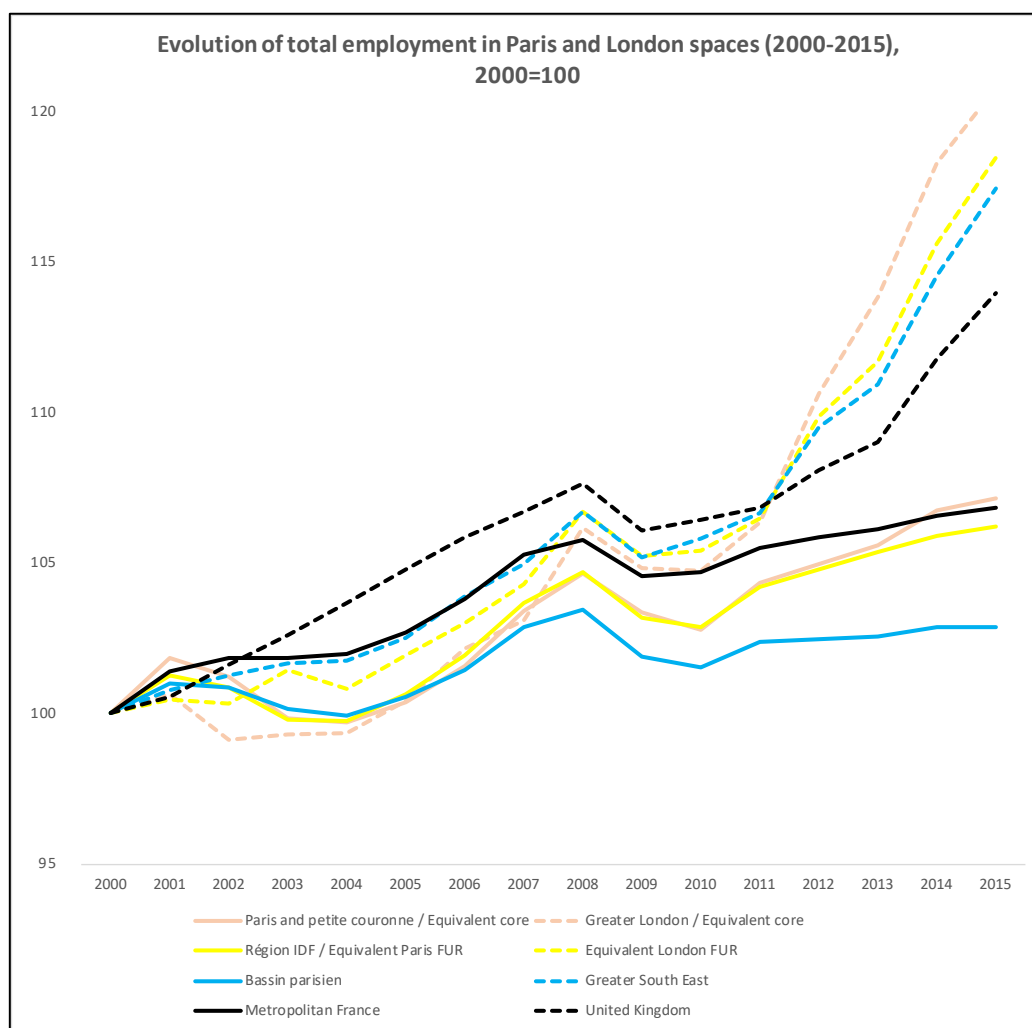


Source : INSEE and ONS / Annual Estimates of wage employment

Evolution of total employment in Paris and London spaces, OECD data (2000-2015), thousands

	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	3 988	4 062	4 036	3 981	3 976	4 003	4 050	4 124
Greater London / Equivalent core	4 308	4 336	4 270	4 279	4 280	4 327	4 400	4 441
Région IDF / Equivalent Paris FUR	5 872	5 947	5 922	5 859	5 857	5 911	5 986	6 086
Equivalent London FUR	7 240	7 274	7 264	7 345	7 299	7 380	7 456	7 551
Bassin parisien	10 242	10 344	10 331	10 258	10 235	10 298	10 391	10 537
Greater South East	10 593	10 674	10 725	10 770	10 777	10 859	11 007	11 121
Metropolitan France	25 683	26 042	26 163	26 161	26 193	26 374	26 664	27 039
United Kingdom	27 470	27 618	27 917	28 186	28 485	28 782	29 080	29 314

	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	4 174	4 121	4 099	4 160	4 185	4 211	4 256	4 273
Greater London / Equivalent core	4 574	4 516	4 512	4 581	4 766	4 905	5 097	5 204
Région IDF / Equivalent Paris FUR	6 148	6 060	6 039	6 119	6 154	6 186	6 218	6 237
Equivalent London FUR	7 726	7 619	7 631	7 708	7 954	8 087	8 372	8 576
Bassin parisien	10 596	10 437	10 400	10 486	10 494	10 504	10 535	10 536
Greater South East	11 304	11 144	11 207	11 299	11 601	11 753	12 133	12 440
Metropolitan France	27 166	26 859	26 888	27 099	27 185	27 252	27 373	27 434
United Kingdom	29 569	29 144	29 234	29 351	29 693	29 952	30 709	31 306



Source : OECD, Annual Employment Regional Estimates

Employment, Activity and Unemployment OECD data for Paris and London (1/2)

Labour Force participation								
	1999	2000	2001	2002	2003	2004	2005	2006
Paris and petite couronne / Equivalent core	61%	61%	61%	60%	60%	60%	59%	60%
Greater London / Equivalent core	63%	63%	62%	63%	62%	62%	62%	63%
Région IDF / Equivalent Paris FUR	62%	61%	62%	61%	60%	60%	60%	60%
Equivalent London FUR	63%	63%	63%	63%	62%	63%	63%	63%
Bassin parisien	57%	57%	57%	57%	58%	58%	58%	57%
Greater South East	63%	63%	63%	63%	63%	63%	63%	63%
Metropolitan France	52%	52%	54%	54%	55%	55%	55%	55%
United Kingdom	60%	61%	60%	60%	60%	60%	61%	61%
	2007	2008	2009	2010	2011	2012	2013	2014
Paris and petite couronne / Equivalent core	60%	60%	60%	59%	59%	59%	60%	60%
Greater London / Equivalent core	63%	64%	64%	64%	64%	65%	66%	66%
Région IDF / Equivalent Paris FUR	61%	61%	61%	60%	60%	60%	60%	60%
Equivalent London FUR	63%	64%	64%	63%	64%	64%	65%	65%
Bassin parisien	58%	58%	58%	57%	57%	57%	57%	57%
Greater South East	63%	64%	64%	63%	63%	63%	64%	64%
Metropolitan France	55%	55%	55%	55%	55%	55%	55%	55%
United Kingdom	61%	61%	61%	61%	61%	61%	61%	61%

Unemployment rate - ILO								
	1999	2000	2001	2002	2003	2004	2005	2006
Paris and petite couronne / Equivalent core	12%	10%	9%	9%	10%	10%	10%	10%
Greater London / Equivalent core	8%	7%	6%	7%	7%	7%	7%	8%
Région IDF / Equivalent Paris FUR	10%	9%	7%	8%	9%	9%	9%	9%
Equivalent London FUR	6%	5%	5%	5%	5%	6%	6%	6%
Bassin parisien	11%	9%	8%	8%	8%	9%	9%	9%
Greater South East	5%	5%	4%	5%	5%	5%	5%	6%
Metropolitan France	12%	10%	9%	9%	9%	9%	9%	9%
United Kingdom	6%	6%	5%	5%	5%	5%	5%	5%
	2007	2008	2009	2010	2011	2012	2013	2014
Paris and petite couronne / Equivalent core	9%	8%	9%	9%	9%	9%	9%	10%
Greater London / Equivalent core	7%	7%	9%	9%	9%	9%	9%	7%
Région IDF / Equivalent Paris FUR	8%	7%	8%	9%	9%	8%	9%	10%
Equivalent London FUR	6%	6%	8%	8%	8%	8%	8%	6%
Bassin parisien	8%	7%	9%	9%	9%	9%	10%	10%
Greater South East	5%	5%	7%	7%	7%	7%	7%	6%
Metropolitan France	8%	7%	9%	9%	9%	10%	10%	10%
United Kingdom	5%	6%	8%	8%	8%	8%	8%	6%

Source : OECD, Regional estimates for Labour Markets

Employment, Activity and Unemployment OECD data for Paris and London (2/2)

Unemployment rate - ILO (15-24 years old)								
	1999	2000	2001	2002	2003	2004	2005	2006
Greater London / Equivalent core	14%	15%	12%	12%	14%	15%	20%	19%
Région IDF / Equivalent Paris FUR	21%	16%	14%	15%	17%	19%	19%	20%
Greater South East	10%	10%	9%	9%	10%	11%	14%	14%
Metropolitan France	26%	20%	18%	19%	18%	20%	21%	22%
United Kingdom	12%	12%	10%	11%	11%	11%	13%	14%
	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	18%	20%	23%	24%	25%	25%	25%	19%
Région IDF / Equivalent Paris FUR	18%	19%	20%	21%	19%	19%	18%	21%
Greater South East	15%	15%	19%	19%	19%	20%	20%	16%
Metropolitan France	19%	19%	23%	23%	22%	24%	24%	23%
United Kingdom	14%	15%	19%	20%	21%	21%	21%	17%

Long-term unemployment rate - ILO (2 years+)								
	1999	2000	2001	2002	2003	2004	2005	2006
Greater London / Equivalent core	34%	31%	29%	24%	24%	21%	25%	28%
Région IDF / Equivalent Paris FUR	43%	41%	42%	34%	40%	39%	43%	46%
Greater South East	29%	27%	24%	21%	19%	18%	21%	23%
Metropolitan France	39%	40%	37%	33%	36%	39%	41%	41%
United Kingdom	30%	28%	28%	23%	23%	21%	21%	22%
	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	29%	29%	24%	35%	34%	31%	34%	33%
Région IDF / Equivalent Paris FUR	43%	41%	37%	41%	46%	44%	40%	43%
Greater South East	26%	23%	22%	32%	31%	32%	32%	30%
Metropolitan France	40%	37%	35%	40%	41%	40%	40%	43%
United Kingdom	24%	24%	25%	33%	33%	35%	36%	36%

Share of part-time jobs (-30 hours per week)								
	1999	2000	2001	2002	2003	2004	2005	2006
Greater London / Equivalent core	21%	22%	21%	21%	21%	21%	20%	20%
Région IDF / Equivalent Paris FUR	13%	13%	12%	12%	14%	14%	14%	14%
Greater South East	24%	24%	24%	24%	25%	25%	24%	24%
Metropolitan France	17%	17%	16%	16%	17%	17%	17%	17%
United Kingdom	25%	25%	25%	25%	26%	26%	25%	25%
	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	20%	21%	22%	23%	23%	23%	23%	22%
Région IDF / Equivalent Paris FUR	14%	13%	13%	13%	14%	14%	15%	16%
Greater South East	24%	24%	25%	26%	26%	26%	26%	26%
Metropolitan France	17%	17%	17%	18%	18%	18%	18%	18%
United Kingdom	25%	25%	26%	27%	27%	27%	27%	27%

Source : OECD, Regional estimates for Labour Markets

OECD's Employment protection Index applied to the OECD countries in 2013

Employment protection indicators across the OECD, 2013					
Individual protection		Collective dismissal		Temporary work	
1. United States	0.5	1. New Zealand	0.0	1. Canada	0.2
2. Canada	0.9	2. Chile	0.0	2. United States	0.3
3. United Kingdom	1.1	3. Finland	1.6	3. United Kingdom	0.5
4. New Zealand	1.4	4. Israel	1.9	4. New Zealand	0.9
5. Hungary	1.5	5. Korea	1.9	5. Australia	1.0
6. Ireland	1.5	6. Portugal	1.9	6. Ireland	1.2
7. Switzerland	1.5	7. Czech Republic	2.1	7. Netherlands	1.2
8. Australia	1.6	8. Sweden	2.5	8. Sweden	1.2
9. Japan	1.6	9. Norway	2.5	9. Iceland	1.3
10. Estonia	1.7	10. Australia	2.9	10. Japan	1.3
11. Slovakia	1.8	11. Estonia	2.9	11. Switzerland	1.4
12. Mexico	1.9	12. Denmark	2.9	12. Israel	1.6
13. Spain	2.0	13. Poland	2.9	13. Denmark	1.8
14. Iceland	2.0	14. United Kingdom	2.9	14. Germany	1.8
OECD average	2.0	15. United States	2.9	15. Finland	1.9
15. Belgium	2.1	OECD average	2.9	16. Hungary	2.0
16. Denmark	2.1	16. Canada	3.0	17. Czech Republic	2.1
17. Austria	2.1	17. Turkey	3.1	OECD average	2.1
18. Greece	2.1	18. Spain	3.1	18. Austria	2.2
19. Poland	2.2	19. Netherlands	3.2	19. Mexico	2.3
20. Turkey	2.2	20. Austria	3.3	20. Portugal	2.3
21. Norway	2.2	21. Japan	3.3	21. Poland	2.3
22. Israel	2.3	22. Greece	3.3	22. Belgium	2.4
23. Luxembourg	2.3	23. Slovakia	3.4	23. Chile	2.4
24. Korea	2.3	24. Slovenia	3.4	24. Slovakia	2.4
25. Finland	2.4	25. France	3.4	25. Korea	2.5
26. Slovenia	2.4	26. Ireland	3.5	26. Slovenia	2.5
27. Italy	2.4	27. Iceland	3.5	27. Italy	2.7
28. Sweden	2.5	28. Germany	3.6	28. Greece	2.9
29. Chile	2.5	29. Hungary	3.6	29. Estonia	3.0
30. France	2.6	30. Switzerland	3.6	30. Spain	3.2
31. Germany	2.7	31. Italy	3.8	31. Norway	3.4
32. Netherlands	2.8	32. Luxembourg	3.9	32. Luxembourg	3.8
33. Czech Republic	2.9	33. Mexico	4.4	33. France	3.8
34. Portugal	3.0	34. Belgium	5.1	34. Turkey	5.0

Deflators and Purchasing Power Parities used for Gross-Domestic Product (GDP) and Income series

Deflators used for GDP series (2010=100)	2000	2001	2002	2003	2004	2005	2006	2007
France	83,5892	85,2924	87,0705	88,6926	90,1698	91,966	94,0164	96,4797
United Kingdom	80,5412	81,1995	82,9727	84,9673	87,0639	89,2859	91,9042	94,2413
	2008	2009	2010	2011	2012	2013	2014	2015
France	98,8222	98,9574	100	101,06	102,367	103,164	103,768	104,996
United Kingdom	96,9214	98,4914	100	101,919	103,512	105,443	107,248	107,715
Deflators used for income series (2010=100)	2000	2001	2002	2003	2004	2005	2006	2007
France	86,0332	87,6703	88,5714	90,0082	91,8376	93,413	95,3241	97,4889
United Kingdom	85,7459	85,9086	86,2297	87,0849	88,2731	89,9101	92,2547	93,9537
	2008	2009	2010	2011	2012	2013	2014	2015
France	100,291	98,8051	100	101,978	103,19	103,869	104,027	104,363
United Kingdom	97,6522	98,3474	100	103,925	106,158	108,581	110,668	111,206
PPP used for GDP series (2010=100)	2000	2001	2002	2003	2004	2005	2006	2007
France (EUR/USD)	0,930388	0,910809	0,900678	0,930988	0,935644	0,916458	0,895501	0,889785
United Kingdom (GBP/EUR)	0,704627	0,693814	0,689877	0,696697	0,68822	0,707619	0,69712	0,710047
	2008	2009	2010	2011	2012	2013	2014	2015
France (EUR/USD)	0,881874	0,862944	0,853868	0,841361	0,844301	0,811643	0,807565	0,813835
United Kingdom (GBP/EUR)	0,701691	0,710055	0,701615	0,706052	0,701634	0,695248	0,698444	0,697453
PPP used for Income series (2010=100)	2000	2001	2002	2003	2004	2005	2006	2007
France (EUR/USD)	0,936234	0,911864	0,905547	0,93936	0,943283	0,92913	0,928266	0,927321
United Kingdom (GBP/EUR)	0,778246	0,756477	0,763978	0,759922	0,742713	0,762904	0,75009	0,759776
	2008	2009	2010	2011	2012	2013	2014	2015
France (EUR/USD)	0,925198	0,906956	0,896897	0,882667	0,886484	0,861092	0,859472	0,875191
United Kingdom (GBP/EUR)	0,763449	0,781518	0,777462	0,777677	0,787207	0,792885	0,798517	0,807433

Source : OECD

Gross-Domestic Product (GDP) and productivity ratios in Paris and London spaces, millions of national currencies, current prices

GDP in millions of national currency, current prices	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	304 743	317 011	327 503	332 784	343 789	360 400	372 595	399 266
Greater London / Equivalent core	220 055	226 475	236 619	252 855	266 286	286 583	304 372	331 644
Région IDF / Equivalent Paris FUR	421 009	435 191	451 571	460 575	476 583	497 046	515 787	552 691
Equivalent London FUR	347 452	357 432	373 823	398 982	414 934	444 576	468 344	502 404
Bassin parisien	659 588	679 925	702 484	717 414	744 795	770 570	798 751	849 270
Greater South East	478 888	397 007	418 221	449 117	464 722	488 233	519 989	541 287
Metropolitan France	1 485 300	1 544 630	1 594 260	1 637 440	1 710 760	1 771 980	1 853 270	1 945 670
United Kingdom	1 089 130	1 126 460	1 179 880	1 248 520	1 310 090	1 386 390	1 463 440	1 536 570
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	425 294	411 265	444 380	445 922	455 569	465 440	476 356	487 788
Greater London / Equivalent core	337 466	330 517	342 417	358 820	376 268	394 618	425 322	435 716
Région IDF / Equivalent Paris FUR	595 566	573 589	609 330	615 232	629 003	642 908	651 735	667 641
Equivalent London FUR	515 984	501 922	518 842	539 334	562 519	588 898	628 324	646 816
Bassin parisien	889 650	857 545	897 398	914 356	928 685	944 718	951 894	972 160
Greater South East	576 013	606 193	646 910	670 664	654 814	694 281	728 930	754 657
Metropolitan France	1 995 850	1 939 020	1 998 480	2 059 280	2 086 930	2 115 260	2 147 610	2 194 240
United Kingdom	1 572 470	1 529 540	1 579 880	1 635 060	1 685 220	1 752 550	1 837 060	1 888 740

GDP per capita	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	49 111	50 692	51 966	52 384	53 719	55 836	57 254	61 025
Greater London / Equivalent core	30 408	30 929	32 077	34 194	35 826	38 114	40 060	43 107
Région IDF / Equivalent Paris FUR	38 204	39 196	40 371	40 867	41 989	43 440	44 725	47 650
Equivalent London FUR	25 756	26 273	27 331	29 073	30 092	31 921	33 304	35 316
Bassin parisien	31 782	33 039	33 480	34 008	35 131	36 133	37 244	39 424
Greater South East	23 244	19 136	20 054	21 431	22 051	22 938	24 214	24 946
Metropolitan France	25 235	26 062	26 711	27 244	28 274	29 066	30 184	31 486
United Kingdom	18 496	19 056	19 875	20 935	21 853	22 948	24 059	25 059
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	64 651	62 027	66 663	66 603	67 918	69 185	70 527	72 018
Greater London / Equivalent core	43 198	41 613	42 476	43 735	45 288	46 881	49 807	50 274
Région IDF / Equivalent Paris FUR	51 081	48 907	51 698	51 906	52 864	53 756	54 187	55 258
Equivalent London FUR	35 804	34 385	35 094	35 985	37 137	38 448	40 506	41 196
Bassin parisien	41 129	39 474	41 162	41 776	42 298	42 873	43 032	43 831
Greater South East	26 246	27 325	28 820	29 519	28 544	29 974	31 110	31 853
Metropolitan France	32 121	31 041	31 841	32 651	32 929	33 208	33 542	34 125
United Kingdom	25 435	24 567	25 174	25 836	26 453	27 338	28 439	29 008

GDP per job	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	76 424	78 044	81 138	83 600	86 470	90 038	91 997	96 816
Greater London / Equivalent core	51 081	52 231	55 414	59 092	62 216	66 231	69 175	74 678
Région IDF / Equivalent Paris FUR	71 701	73 183	76 259	78 608	81 373	84 093	86 168	90 808
Equivalent London FUR	47 991	49 138	51 462	54 320	56 848	60 241	62 814	66 535
Bassin parisien	64 402	65 734	67 997	69 935	72 766	74 830	76 871	80 596
Greater South East	45 208	37 194	38 995	41 701	43 122	44 961	47 242	48 673
Metropolitan France	57 832	59 313	60 937	62 591	65 314	67 186	69 505	71 958
United Kingdom	39 648	40 787	42 264	44 296	45 992	48 169	50 325	52 418
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	101 898	99 799	108 419	107 182	108 849	110 533	111 916	114 144
Greater London / Equivalent core	73 779	73 188	75 890	78 328	78 948	80 452	83 446	83 727
Région IDF / Equivalent Paris FUR	96 866	94 656	100 899	100 549	102 215	103 932	104 812	107 044
Equivalent London FUR	66 785	65 878	67 991	69 971	70 722	72 820	75 051	75 422
Bassin parisien	83 960	82 163	86 285	87 197	88 498	89 935	90 354	92 272
Greater South East	50 957	54 396	57 724	59 356	56 445	59 073	60 078	60 664
Metropolitan France	73 469	72 192	74 327	75 992	76 769	77 620	78 456	79 983
United Kingdom	53 180	52 482	54 043	55 707	56 755	58 512	59 822	60 332

Source : OECD

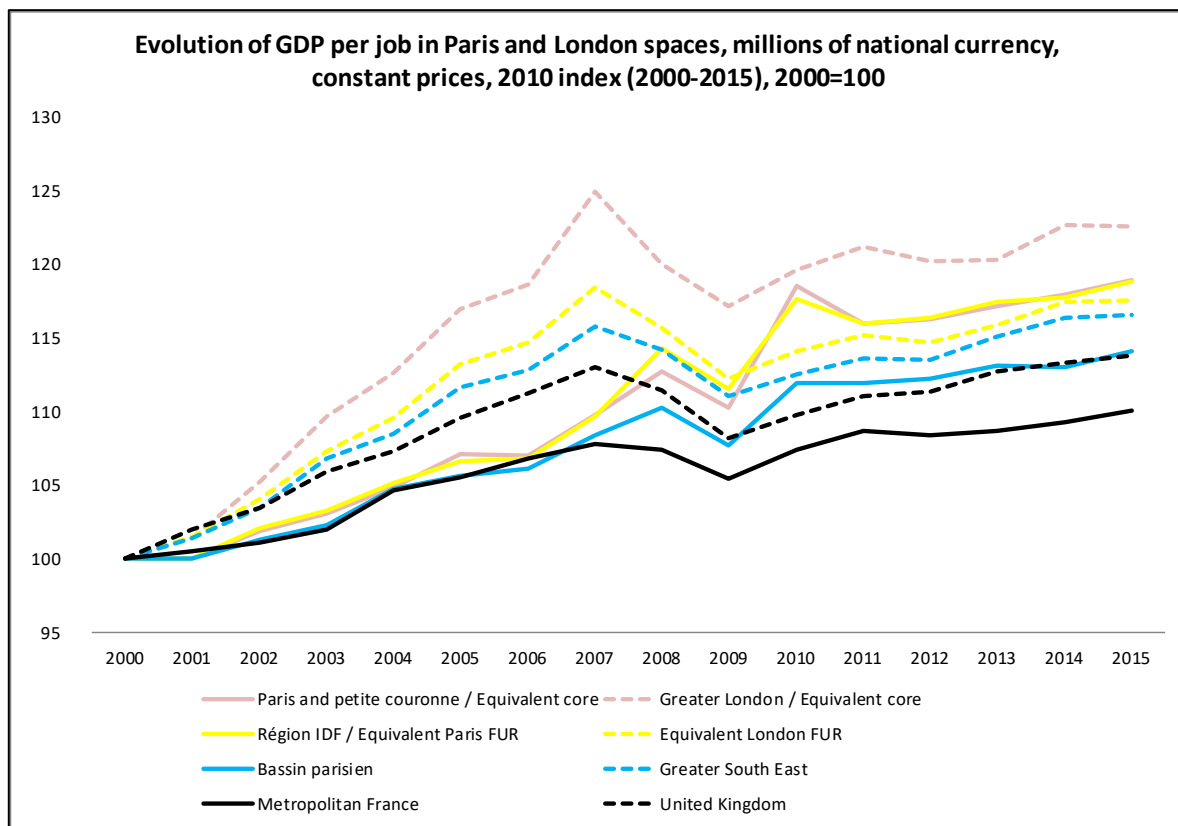
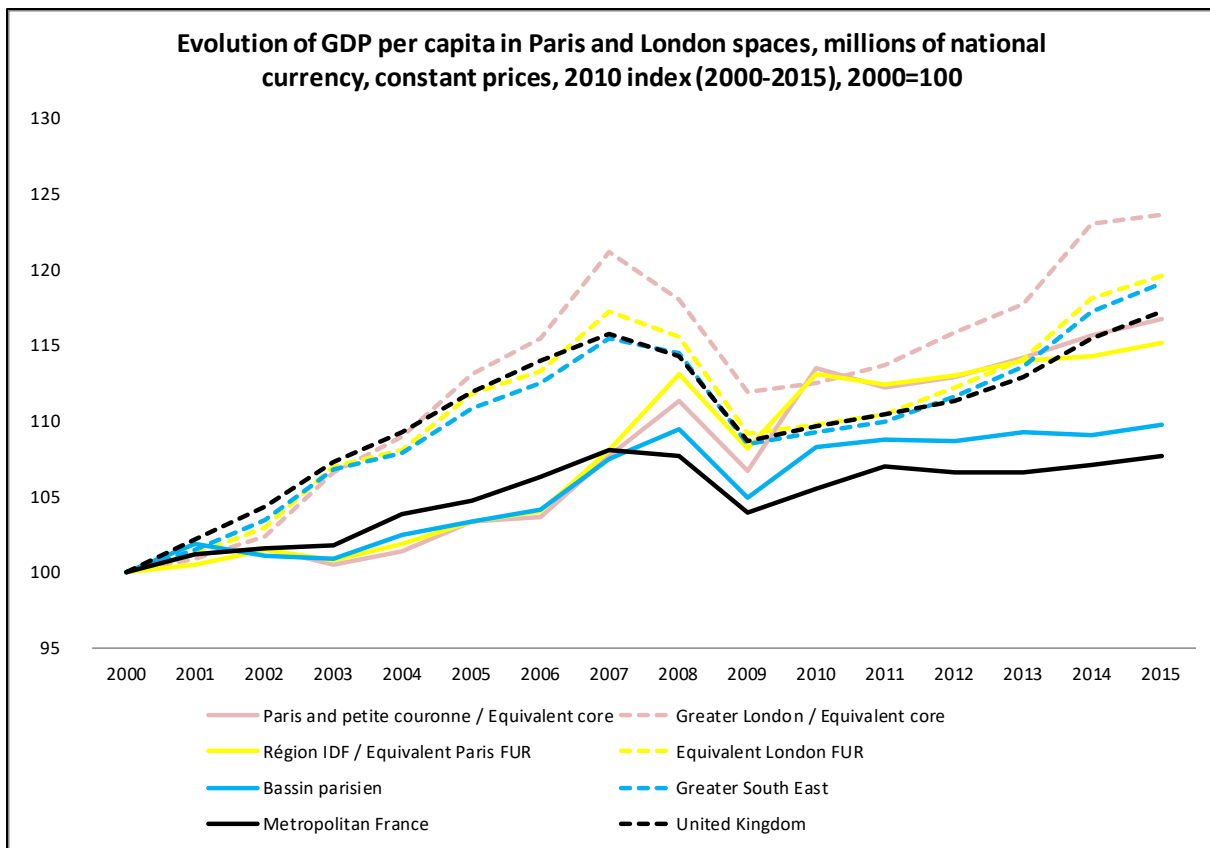
Gross-Domestic Product (GDP) and productivity ratios in Paris and London spaces, millions of national currencies, constant prices (index 2010)

GDP in millions of national currency, constant prices (2010 Index)	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	364 573	371 675	376 136	375 210	381 268	391 885	396 309	413 834
Greater London / Equivalent core	273 221	278 911	285 177	297 591	305 852	320 972	331 184	351 909
Région IDF / Equivalent Paris FUR	503 665	510 234	518 627	519 293	528 539	540 468	548 614	572 857
Equivalent London FUR	431 397	440 190	450 537	469 571	476 585	497 924	509 601	533 103
Bassin parisien	789 083	797 169	806 800	808 877	825 991	837 887	849 587	880 258
Greater South East	594 587	607 544	622 894	645 915	656 383	680 623	697 106	723 012
Metropolitan France	1 776 910	1 810 980	1 831 000	1 846 190	1 897 260	1 926 770	1 971 220	2 016 660
United Kingdom	1 352 270	1 387 280	1 422 010	1 469 410	1 504 750	1 552 750	1 592 350	1 630 460
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	430 363	415 599	444 380	441 244	445 033	451 165	459 058	464 575
Greater London / Equivalent core	348 185	335 580	342 417	352 063	363 501	374 247	396 579	404 510
Région IDF / Equivalent Paris FUR	602 665	579 633	609 330	608 778	614 456	623 190	628 068	635 870
Equivalent London FUR	532 374	509 610	518 842	529 178	543 433	558 498	585 862	600 491
Bassin parisien	900 253	866 581	897 398	904 764	907 207	915 743	917 328	925 897
Greater South East	724 863	694 671	707 733	720 835	739 193	759 136	792 555	814 181
Metropolitan France	2 019 640	1 959 450	1 998 480	2 037 680	2 038 670	2 050 380	2 069 620	2 089 830
United Kingdom	1 622 410	1 552 960	1 579 880	1 604 270	1 628 050	1 662 080	1 712 920	1 753 460

GDP per capita	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	58 753	59 433	59 683	59 063	59 576	60 714	60 898	63 252
Greater London / Equivalent core	37 755	38 090	38 659	40 243	41 149	42 688	43 589	45 741
Région IDF / Equivalent Paris FUR	45 705	45 955	46 366	46 077	46 566	47 235	47 572	49 389
Equivalent London FUR	31 978	32 356	32 939	34 217	34 564	35 752	36 238	37 474
Bassin parisien	38 022	38 737	38 452	38 344	38 960	39 290	39 614	40 862
Greater South East	28 860	29 284	29 868	30 821	31 146	31 977	32 461	33 321
Metropolitan France	30 190	30 557	30 677	30 718	31 357	31 605	32 105	32 635
United Kingdom	22 964	23 468	23 953	24 639	25 100	25 702	26 178	26 590
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	65 422	62 681	66 663	65 904	66 347	67 063	67 965	68 591
Greater London / Equivalent core	44 570	42 251	42 476	42 911	43 751	44 461	46 441	46 674
Région IDF / Equivalent Paris FUR	51 690	49 422	51 698	51 361	51 641	52 107	52 219	52 629
Equivalent London FUR	36 941	34 912	35 094	35 308	35 877	36 464	37 768	38 246
Bassin parisien	41 620	39 890	41 162	41 338	41 320	41 558	41 469	41 746
Greater South East	33 028	31 313	31 530	31 727	32 222	32 774	33 826	34 365
Metropolitan France	32 504	31 368	31 841	32 308	32 168	32 189	32 324	32 501
United Kingdom	26 242	24 943	25 174	25 350	25 556	25 927	26 517	26 931

GDP per job	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	91 428	91 502	93 187	94 258	95 897	97 903	97 853	100 349
Greater London / Equivalent core	63 422	64 325	66 786	69 547	71 461	74 179	75 269	79 241
Région IDF / Equivalent Paris FUR	85 778	85 803	87 584	88 630	90 244	91 440	91 652	94 122
Equivalent London FUR	59 585	60 516	62 023	63 931	65 295	67 469	68 348	70 600
Bassin parisien	77 046	77 069	78 094	78 851	80 699	81 367	81 764	83 537
Greater South East	56 130	56 918	58 079	59 974	60 906	62 678	63 333	65 013
Metropolitan France	69 187	69 541	69 986	70 570	72 434	73 055	73 928	74 584
United Kingdom	49 227	50 231	50 937	52 133	52 826	53 949	54 758	55 621
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	103 113	100 850	108 419	106 058	106 331	107 143	107 852	108 712
Greater London / Equivalent core	76 123	74 309	75 890	76 853	76 270	76 299	77 806	77 731
Région IDF / Equivalent Paris FUR	98 020	95 654	100 899	99 494	99 851	100 745	101 006	101 950
Equivalent London FUR	68 907	66 887	67 991	68 653	68 322	69 061	69 979	70 020
Bassin parisien	84 960	83 029	86 285	86 282	86 451	87 177	87 073	87 881
Greater South East	64 124	62 336	63 151	63 796	63 718	64 591	65 322	65 449
Metropolitan France	74 345	72 953	74 327	75 194	74 993	75 239	75 607	76 177
United Kingdom	54 869	53 286	54 043	54 658	54 829	55 491	55 779	56 010

Source : OECD



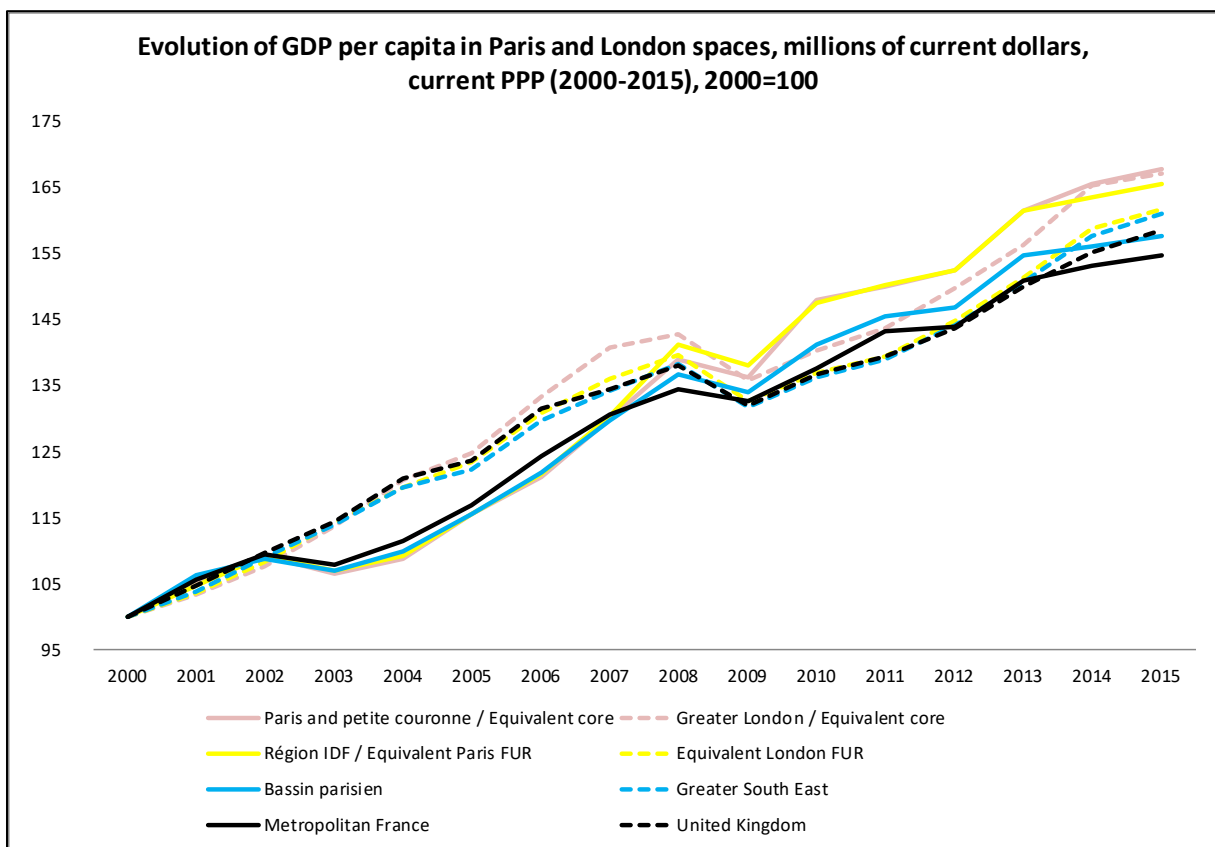
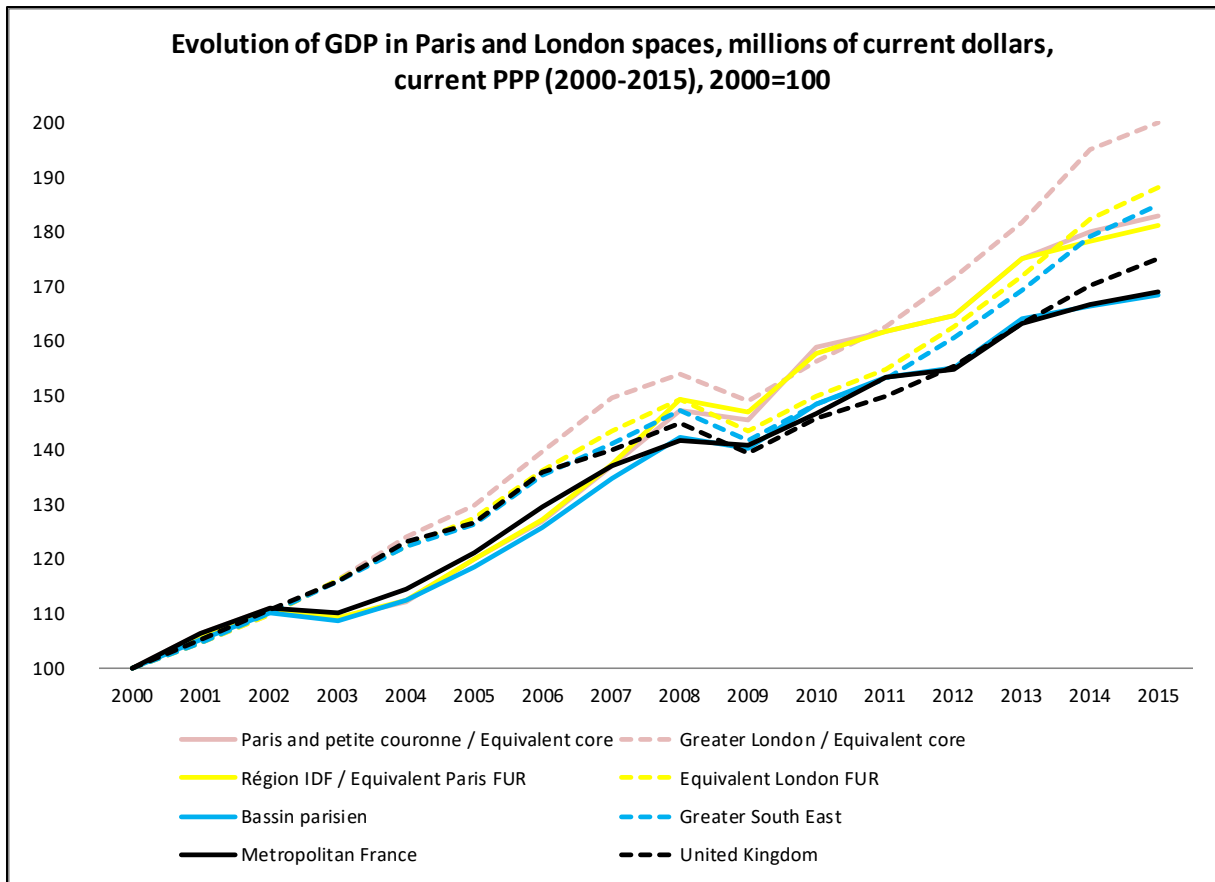
**Gross-Domestic Product (GDP) and productivity ratios in Paris and London spaces, current dollars,
current PPP**

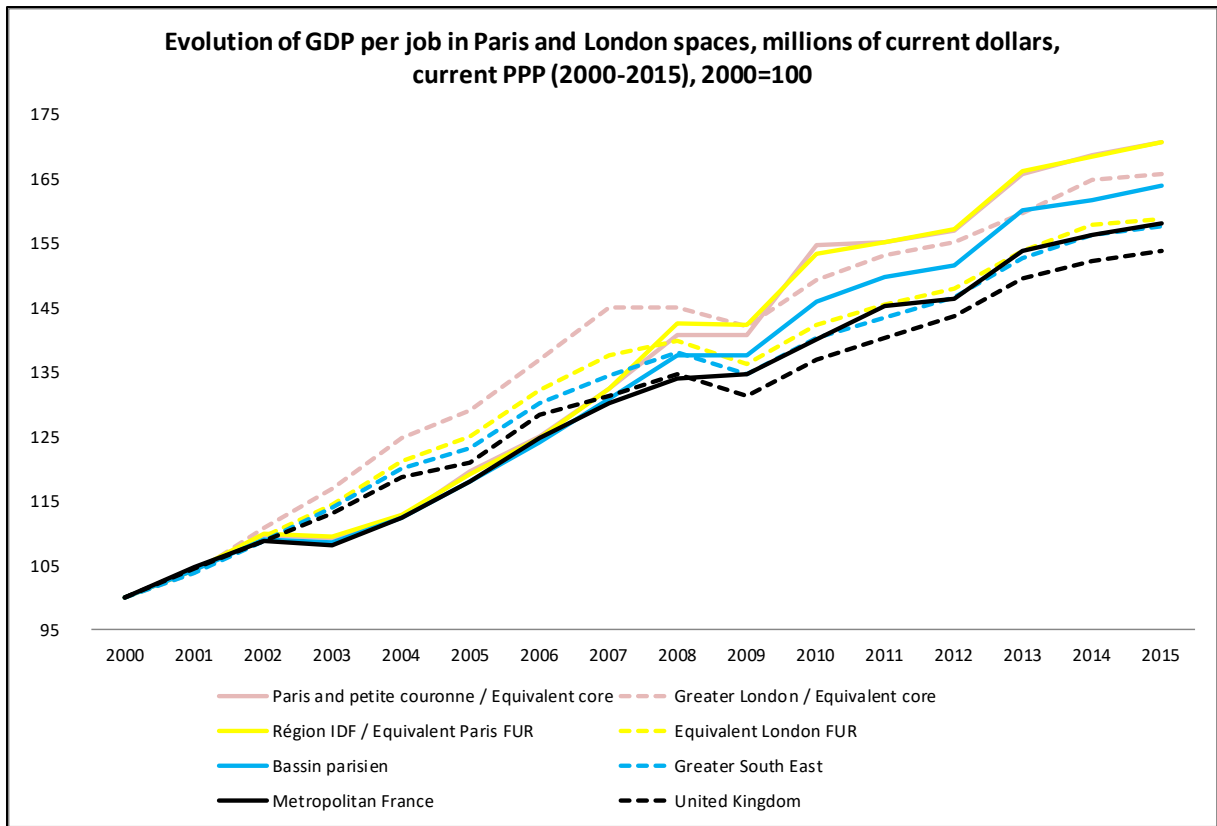
GDP in current millions of dollars, current PPP	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	327 544	348 055	363 618	357 453	367 436	393 253	416 075	448 723
Greater London / Equivalent core	312 300	326 419	342 987	362 934	386 921	404 996	436 614	467 073
Région IDF / Equivalent Paris FUR	452 509	477 808	501 368	494 717	509 364	542 355	575 976	621 152
Equivalent London FUR	493 101	515 170	541 868	572 677	602 909	628 270	671 827	707 564
Bassin parisien	708 939	746 508	779 950	770 595	796 024	840 813	891 960	954 467
Greater South East	679 633	711 030	749 165	787 741	830 364	858 796	919 024	959 621
Metropolitan France	1 596 430	1 695 890	1 770 070	1 758 820	1 828 430	1 933 510	2 069 530	2 186 670
United Kingdom	1 545 680	1 623 580	1 710 280	1 792 050	1 903 590	1 959 230	2 099 260	2 164 030
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	482 261	476 584	520 432	530 001	539 581	573 454	589 867	599 370
Greater London / Equivalent core	480 932	465 481	488 042	508 206	536 274	567 593	608 956	624 726
Région IDF / Equivalent Paris FUR	675 341	664 688	713 612	731 235	744 999	792 107	807 037	820 365
Equivalent London FUR	735 344	706 877	739 497	763 874	801 727	847 034	899 605	927 398
Bassin parisien	1 008 817	993 744	1 050 980	1 086 759	1 099 946	1 163 958	1 178 721	1 194 542
Greater South East	1 001 221	963 575	1 008 720	1 040 532	1 090 532	1 151 327	1 216 986	1 257 422
Metropolitan France	2 263 190	2 246 980	2 340 500	2 447 560	2 471 780	2 606 140	2 659 360	2 696 180
United Kingdom	2 240 970	2 154 110	2 251 770	2 315 780	2 401 860	2 520 760	2 630 220	2 708 050

GDP per capita	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	52 785	55 656	57 696	56 268	57 414	60 926	63 935	68 584
Greater London / Equivalent core	43 155	44 578	46 496	49 080	52 056	53 863	57 466	60 710
Région IDF / Equivalent Paris FUR	41 063	43 035	44 823	43 897	44 877	47 400	49 944	53 553
Equivalent London FUR	36 552	37 868	39 617	41 730	43 725	45 111	47 774	49 738
Bassin parisien	34 160	36 275	37 172	36 529	37 547	39 427	41 590	44 307
Greater South East	32 988	34 273	35 923	37 589	39 402	40 348	42 795	44 225
Metropolitan France	27 123	28 615	29 656	29 264	30 219	31 716	33 706	35 386
United Kingdom	26 249	27 466	28 809	30 049	31 753	32 430	34 512	35 291
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	73 311	71 879	78 071	79 161	80 443	85 240	87 332	88 493
Greater London / Equivalent core	61 562	58 606	60 540	61 943	64 546	67 431	71 311	72 083
Région IDF / Equivalent Paris FUR	57 923	56 674	60 546	61 693	62 613	66 231	67 099	67 899
Equivalent London FUR	51 025	48 426	50 019	50 967	52 930	55 302	57 994	59 067
Bassin parisien	46 639	45 744	48 207	49 653	50 098	52 822	53 286	53 858
Greater South East	45 620	43 434	44 939	45 799	47 538	49 706	51 940	53 073
Metropolitan France	36 424	35 971	37 290	38 807	39 002	40 914	41 534	41 931
United Kingdom	36 248	34 598	35 879	36 593	37 703	39 322	40 717	41 592

GDP per job	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	82 142	85 687	90 086	89 797	92 418	98 245	102 733	108 809
Greater London / Equivalent core	72 493	75 281	80 325	84 818	90 402	93 597	99 230	105 173
Région IDF / Equivalent Paris FUR	77 065	80 350	84 669	84 436	86 970	91 759	96 223	102 057
Equivalent London FUR	68 108	70 823	74 596	77 968	82 602	85 131	90 106	93 705
Bassin parisien	69 220	72 171	75 495	75 120	77 771	81 651	85 842	90 580
Greater South East	64 159	66 613	69 852	73 142	77 050	79 086	83 495	86 289
Metropolitan France	62 159	65 122	67 657	67 231	69 807	73 310	77 615	80 871
United Kingdom	56 268	58 787	61 263	63 579	66 828	68 071	72 189	73 822
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	115 547	115 649	126 974	127 392	128 922	136 185	138 584	140 254
Greater London / Equivalent core	105 145	103 074	108 165	110 938	112 521	115 717	119 473	120 047
Région IDF / Equivalent Paris FUR	109 841	109 690	118 167	119 508	121 065	128 052	129 787	131 530
Equivalent London FUR	95 178	92 778	96 907	99 101	100 795	104 740	107 454	108 139
Bassin parisien	95 206	95 212	101 052	103 638	104 818	110 806	111 884	113 379
Greater South East	88 572	86 466	90 008	92 091	94 003	97 960	100 304	101 079
Metropolitan France	83 310	83 658	87 047	90 320	90 925	95 633	97 151	98 280
United Kingdom	75 788	73 913	77 026	78 900	80 890	84 160	85 650	86 503

Source : OECD





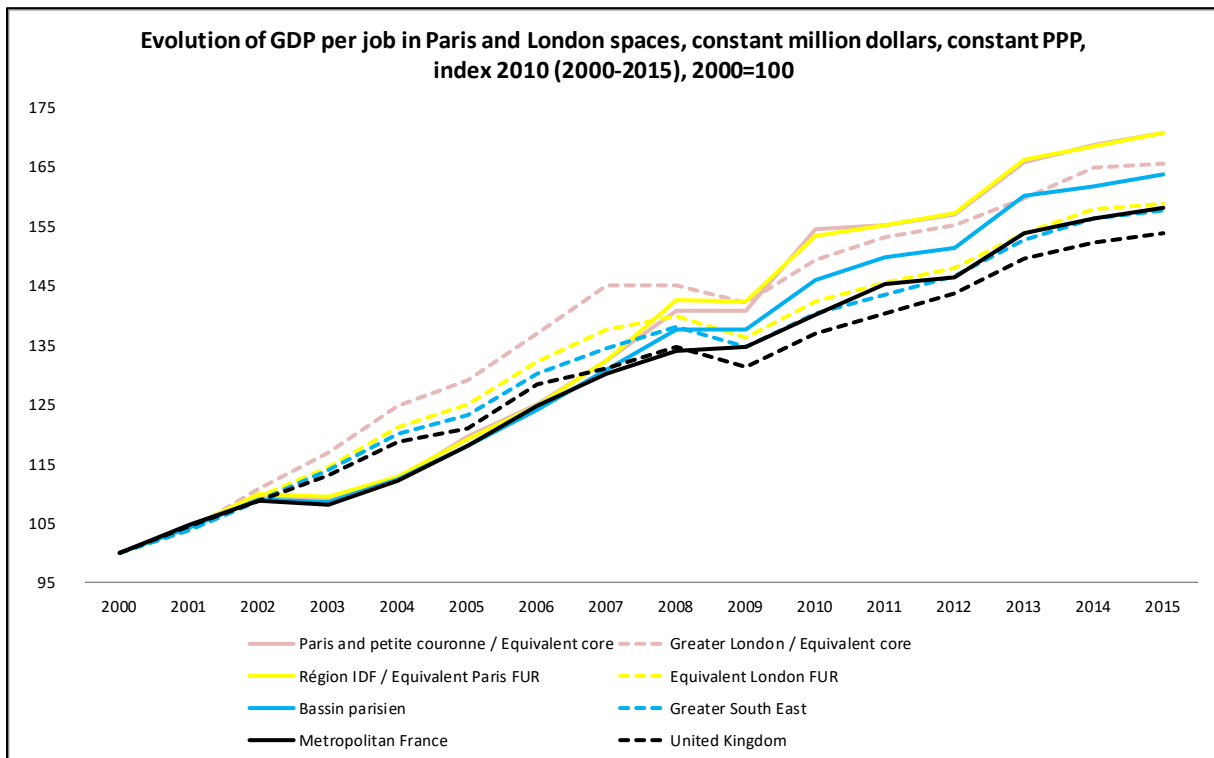
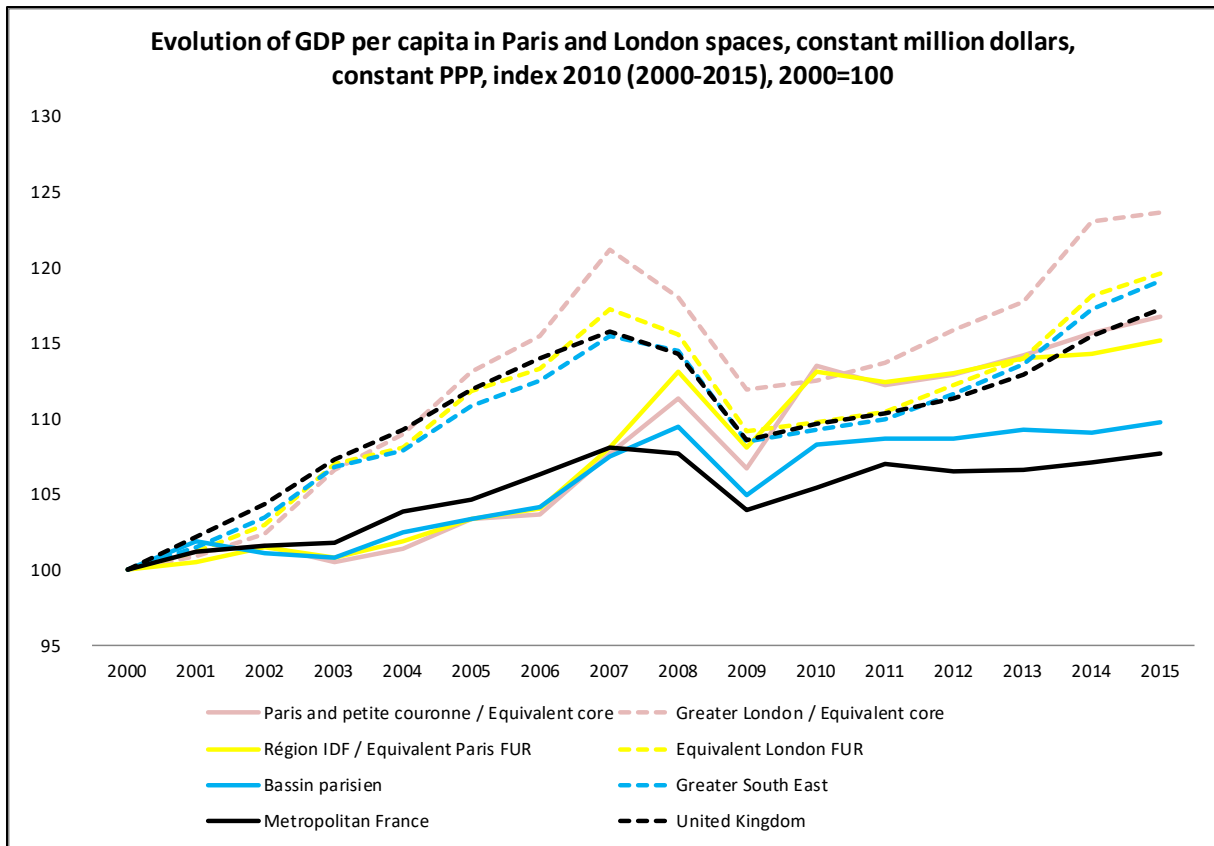
Gross-Domestic Product (GDP) and productivity ratios in Paris and London spaces, constant million dollars, constant PPP, index 2010

GDP in constant million dollars, constant PPP (index 2010)	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	426 966	435 284	440 508	439 424	446 519	458 952	464 133	484 659
Greater London / Equivalent core	389 417	397 528	406 457	424 152	435 925	457 476	472 031	501 570
Région IDF / Equivalent Paris FUR	589 862	597 556	607 385	608 166	618 994	632 964	642 504	670 897
Equivalent London FUR	614 863	627 396	642 142	669 272	679 269	709 683	726 325	759 824
Bassin parisien	924 127	933 598	944 876	947 309	967 353	981 283	994 986	1 030 907
Greater South East	847 455	865 922	887 799	920 612	935 532	970 081	993 574	1 030 498
Metropolitan France	2 081 010	2 120 910	2 144 360	2 162 150	2 221 960	2 256 530	2 308 570	2 361 800
United Kingdom	1 927 360	1 977 260	2 026 770	2 094 320	2 144 690	2 213 110	2 269 550	2 323 870
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	504 015	486 724	520 432	516 758	521 197	528 379	537 622	544 085
Greater London / Equivalent core	496 262	478 296	488 042	501 789	518 092	533 408	565 237	576 541
Région IDF / Equivalent Paris FUR	705 804	678 831	713 612	712 964	719 615	729 844	735 557	744 695
Equivalent London FUR	758 783	726 338	739 497	754 228	774 546	796 017	835 019	855 869
Bassin parisien	1 054 323	1 014 888	1 050 980	1 059 606	1 062 468	1 072 465	1 074 321	1 084 358
Greater South East	1 033 135	990 102	1 008 720	1 027 394	1 053 560	1 081 984	1 129 615	1 160 439
Metropolitan France	2 365 280	2 294 790	2 340 500	2 386 410	2 387 560	2 401 290	2 423 820	2 447 480
United Kingdom	2 312 400	2 213 410	2 251 770	2 286 540	2 320 430	2 368 940	2 441 390	2 499 180

GDP per capita	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	68 808	69 604	69 897	69 171	69 771	71 105	71 320	74 077
Greater London / Equivalent core	53 811	54 289	55 100	57 358	58 649	60 843	62 127	65 194
Région IDF / Equivalent Paris FUR	53 527	53 820	54 301	53 963	54 536	55 319	55 713	57 842
Equivalent London FUR	45 578	46 117	46 948	48 769	49 263	50 957	51 649	53 412
Bassin parisien	44 529	45 366	45 033	44 906	45 628	46 014	46 394	47 855
Greater South East	41 134	41 739	42 571	43 929	44 392	45 577	46 267	47 492
Metropolitan France	35 356	35 786	35 927	35 975	36 723	37 015	37 599	38 220
United Kingdom	32 730	33 449	34 140	35 118	35 774	36 633	37 311	37 898
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	76 618	73 408	78 071	77 183	77 702	78 540	79 597	80 330
Greater London / Equivalent core	63 524	60 219	60 540	61 161	62 358	63 370	66 192	66 523
Région IDF / Equivalent Paris FUR	60 536	57 880	60 546	60 151	60 479	61 025	61 156	61 636
Equivalent London FUR	52 652	49 760	50 019	50 323	51 135	51 971	53 831	54 511
Bassin parisien	48 742	46 717	48 207	48 412	48 391	48 670	48 567	48 890
Greater South East	47 074	44 629	44 939	45 221	45 926	46 713	48 211	48 980
Metropolitan France	38 067	36 737	37 290	37 837	37 673	37 698	37 856	38 063
United Kingdom	37 403	35 551	35 879	36 131	36 425	36 954	37 794	38 384

GDP per job	2000	2001	2002	2003	2004	2005	2006	2007
Paris and petite couronne / Equivalent core	107 075	107 161	109 135	110 390	112 309	114 659	114 599	117 523
Greater London / Equivalent core	90 394	91 681	95 189	99 124	101 852	105 726	107 280	112 941
Région IDF / Equivalent Paris FUR	100 458	100 487	102 573	103 798	105 689	107 089	107 337	110 230
Equivalent London FUR	84 926	86 252	88 401	91 119	93 063	96 163	97 415	100 626
Bassin parisien	90 231	90 259	91 459	92 346	94 510	95 292	95 757	97 834
Greater South East	80 001	81 124	82 779	85 479	86 808	89 334	90 267	92 662
Metropolitan France	81 027	81 443	81 963	82 648	84 831	85 558	86 580	87 348
United Kingdom	70 162	71 593	72 600	74 304	75 292	76 892	78 045	79 275
	2008	2009	2010	2011	2012	2013	2014	2015
Paris and petite couronne / Equivalent core	120 759	118 110	126 974	124 208	124 529	125 480	126 310	127 317
Greater London / Equivalent core	108 496	105 911	108 165	109 537	108 706	108 748	110 896	110 788
Région IDF / Equivalent Paris FUR	114 795	112 024	118 167	116 522	116 940	117 986	118 292	119 398
Equivalent London FUR	98 212	95 332	96 907	97 850	97 378	98 432	99 740	99 798
Bassin parisien	99 500	97 238	101 052	101 048	101 247	102 097	101 974	102 921
Greater South East	91 396	88 846	90 008	90 928	90 816	92 060	93 103	93 283
Metropolitan France	87 068	85 438	87 047	88 063	87 827	88 116	88 547	89 214
United Kingdom	78 204	75 947	77 026	77 903	78 147	79 091	79 501	79 831

Source : OECD



From national nomenclatures to a common nomenclature for GVA analysis by industry

Industries		SIC 2007		Common nomenclature	
NAF rev.2		SIC 2007		Common nomenclature	
Agriculture, sylviculture et pêche		Agriculture, forestry and fishing		Agriculture, forestry and fishing	
Industries manufacturières, industries extractives et autres		Production		Production	
Industries extractives, énergie, eau, gestion des déchets et dépollution		Mining and quarrying		of which mining quarrying ; Electricity, gas, steam and air conditioning supply	
		Electricity, gas, steam and air conditioning supply		of which mining quarrying ; Electricity, gas, steam and air conditioning supply ; water supply, sewerage, waste management and remediation activities	
		Water supply; sewerage, waste management and remediation activities			
Cokéfaction et raffinage					
Fabrication d'équipements électriques, informatiques ; fabrication de machines					
Fabrication de denrées alimentaires, de boissons et de produits à base de tabac					
Fabrication de matériels de transport					
Fabrication d'autres produits industriels					
Construction		Construction		Construction	
Commerce de gros et de détail, transports, hébergement et restauration		Distribution; transport; accommodation and food		Distribution; transport; accommodation and food	
Commerce ; réparation d'automobiles et de motos					
Transport et entreposage		ND		ND	
Hébergement et restauration					
Information et communication		Information and communication		Information and communication	
Activités financières et d'assurance		Financial and insurance activities		Financial and insurance activities	
Activités immobilières		Real estate activities		Real estate activities	
Activités scientifiques et techniques ; services administratifs et de soutien		Professional, Scientific and technical activities ; Administrative and support services		Business service activities	
Administration publique, enseignement, santé humaine et action sociale		Public administration; education; health		Public administration; education; health	
Autres activités de services		Other services and household activities		Other services and household activities	



Source : OECD

**GVA by industry in Paris and London spaces (million national currency, constant prices, index 2010)
(2000-2012) (1/2)**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Agriculture, forestry and fishing													
Paris and petite couronne / Equivalent core	31	36	49	52	51	47	41	57	78	55	73	77	96
Greater London / Equivalent core	184	219	134	114	139	124	110	102	99	90	103	101	100
Région IDF / Equivalent Paris FUR	545	593	604	558	500	444	444	620	572	412	593	633	784
Equivalent London FUR	1 315	1 298	1 268	1 189	1 302	1 055	1 065	1 203	1 168	917	1 147	1 158	1 315
Bassin parisien	6 163	6 318	6 470	6 384	6 405	6 153	5 323	6 446	6 197	4 683	6 779	6 850	7 802
Greater South East	3 749	3 619	3 686	3 742	3 940	3 273	3 163	3 620	3 594	2 770	3 560	3 464	3 986
Production													
Paris and petite couronne / Equivalent core	30 805	30 264	32 339	32 084	32 613	31 691	32 597	32 468	29 429	27 912	29 088	29 267	29 887
Greater London / Equivalent core	21 386	21 420	20 862	16 710	17 605	17 454	18 712	19 398	15 940	14 677	13 967	14 657	16 704
Région IDF / Equivalent Paris FUR	49 532	48 804	50 565	49 719	50 642	50 251	50 258	50 614	47 461	45 695	47 932	48 736	49 689
Equivalent London FUR	51 198	50 214	49 207	43 110	42 316	44 350	44 891	45 796	40 419	35 231	36 655	35 819	40 188
Bassin parisien	88 080	87 556	89 540	88 515	89 876	89 126	88 981	90 379	86 105	82 755	85 108	87 512	89 692
Greater South East	93 181	89 799	89 659	79 720	78 868	82 016	83 595	84 265	75 223	65 358	68 990	68 603	76 502
<i>of which mining quarrying, Electricity, gas, steam and air conditioning supply, water supply, sewerage, waste management and remediation activities</i>													
Paris and petite couronne / Equivalent core	7 661	8 263	9 448	9 325	9 730	8 933	9 829	8 966	8 498	8 372	8 056	8 599	9 303
Greater London / Equivalent core	4 670	4 966	5 274	3 943	4 471	4 414	5 372	6 334	5 689	5 961	4 758	5 211	6 838
Région IDF / Equivalent Paris FUR	9 760	9 815	11 565	11 490	11 982	11 301	12 173	11 104	10 198	10 911	10 492	11 152	11 933
Equivalent London FUR	9 670	10 110	10 733	9 262	9 095	10 231	11 000	12 008	10 927	11 236	10 036	9 959	12 862
Bassin parisien	14 577	14 788	16 755	16 640	17 394	16 492	17 544	15 883	14 134	15 568	15 211	16 162	17 009
Greater South East	14 836	15 087	16 317	14 734	14 195	15 940	17 343	18 712	16 724	17 040	15 647	15 299	19 442
<i>of which manufacturing</i>													
Paris and petite couronne / Equivalent core	23 144	22 001	22 891	22 759	22 884	22 758	22 768	23 501	20 931	19 539	21 031	20 668	20 584
Greater London / Equivalent core	16 716	16 454	15 588	12 767	13 135	13 040	13 340	13 064	10 251	8 715	9 209	9 446	9 867
Région IDF / Equivalent Paris FUR	39 772	38 989	39 000	38 229	38 660	38 949	38 086	39 510	37 262	34 784	37 440	37 583	37 756
Equivalent London FUR	41 527	40 104	38 474	33 847	33 221	34 118	33 892	33 788	29 492	23 995	26 618	25 861	27 326
Bassin parisien	73 503	72 768	72 785	71 875	72 483	72 634	71 437	74 497	71 970	67 188	69 897	71 350	72 684
Greater South East	78 345	74 712	73 342	64 986	64 673	66 076	66 252	65 553	58 498	48 318	53 343	53 304	57 060
Construction													
Paris and petite couronne / Equivalent core	7 811	7 786	8 177	8 526	9 000	9 533	10 203	11 253	15 043	13 377	13 734	13 747	14 377
Greater London / Equivalent core	13 575	13 903	14 823	14 758	15 119	15 785	17 440	18 912	17 134	13 122	15 118	16 210	18 716
Région IDF / Equivalent Paris FUR	13 515	14 073	14 630	15 068	15 921	16 905	18 106	19 968	25 500	23 596	24 475	24 255	25 354
Equivalent London FUR	25 700	26 753	29 323	29 606	30 280	32 119	34 035	37 335	33 047	26 043	28 748	31 633	34 583
Bassin parisien	22 125	23 168	24 053	24 933	26 450	27 964	30 214	33 325	39 244	37 129	37 603	37 820	38 835
Greater South East	40 042	41 822	45 856	45 864	47 681	50 066	52 990	57 129	49 744	40 340	44 057	48 088	51 544
Distribution, transport ; accomodation and food													
Paris and petite couronne / Equivalent core	47 161	49 647	48 840	49 691	51 134	54 001	54 737	59 696	65 507	62 280	65 171	66 241	67 341
Greater London / Equivalent core	61 771	61 164	60 078	57 403	60 904	64 739	64 174	69 276	63 097	51 576	55 055	57 313	61 807
Région IDF / Equivalent Paris FUR	67 329	71 497	73 830	76 069	78 624	81 301	82 957	90 492	102 370	96 062	98 965	99 457	100 803
Equivalent London FUR	101 042	100 781	100 583	97 466	101 840	107 029	108 448	115 391	103 019	85 541	92 076	94 488	102 599
Bassin parisien	95 636	101 332	104 955	108 520	111 507	114 387	116 728	125 691	137 869	131 217	134 068	135 017	136 606
Greater South East	147 795	150 083	151 107	145 600	152 300	158 081	162 378	171 838	152 118	128 790	140 328	143 055	156 407

Source : OECD

GVA by industry in Paris and London spaces (million national currency, constant prices, index 2010)
(2000-2012) (2/2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Information and communication													
Paris and petite couronne / Equivalent core	29 288	31 881	33 447	33 129	33 926	34 911	35 230	37 867	52 356	50 815	51 456	51 580	50 805
Greater London / Equivalent core	36 590	36 097	37 261	36 456	39 210	39 596	39 086	42 313	41 024	32 999	37 283	38 769	41 341
Région IDF / Equivalent Paris FUR	35 124	37 303	39 417	39 525	40 261	40 780	41 587	44 699	58 688	56 804	57 534	57 887	56 780
Equivalent London FUR	54 170	52 923	55 576	53 656	57 383	59 058	59 660	62 110	58 763	47 943	52 901	55 274	60 556
Bassin parisien	40 080	42 730	45 229	45 441	46 498	46 983	48 022	51 157	62 178	60 067	60 763	61 110	59 925
Greater South East	68 980	68 691	71 713	69 414	74 173	76 252	78 490	81 593	75 511	62 330	68 335	70 252	77 893
Financial and insurance activities													
Paris and petite couronne / Equivalent core	23 018	22 086	23 214	23 510	25 497	27 227	28 564	31 105	29 937	31 395	37 556	36 870	36 207
Greater London / Equivalent core	36 373	36 018	38 789	41 707	50 293	62 086	67 909	78 714	62 366	62 983	66 941	70 255	74 610
Région IDF / Equivalent Paris FUR	25 650	24 707	25 858	26 090	28 185	29 930	31 425	34 220	32 868	34 335	41 035	40 183	39 674
Equivalent London FUR	44 215	44 037	47 256	50 433	60 565	73 180	80 577	92 790	73 253	73 984	77 003	78 914	84 680
Bassin parisien	30 055	28 704	30 036	30 310	32 716	34 594	36 285	39 225	37 620	39 649	47 257	46 037	45 588
Greater South East	52 532	52 730	56 049	59 855	71 868	86 523	95 544	110 202	86 374	88 291	90 329	90 885	98 305
Real estate activities													
Paris and petite couronne / Equivalent core	29 638	31 833	32 585	34 119	35 895	38 488	40 788	43 810	42 768	39 478	49 085	46 965	48 646
Greater London / Equivalent core	25 611	26 280	26 029	25 079	26 214	27 239	28 827	32 495	33 526	27 790	34 258	37 426	45 281
Région IDF / Equivalent Paris FUR	44 035	46 875	47 839	49 750	52 718	56 539	60 202	64 663	67 055	62 082	69 937	69 453	70 899
Equivalent London FUR	44 357	44 571	45 666	44 751	46 181	49 007	50 309	55 039	55 671	45 238	56 568	61 116	72 293
Bassin parisien	60 957	64 759	65 982	68 840	73 341	78 631	84 008	90 083	93 963	88 383	95 006	95 349	97 254
Greater South East	66 359	68 165	69 566	67 249	70 286	72 990	76 964	84 460	84 449	68 451	85 415	90 731	106 503
Professional, Scientific and technical activities ; Administrative and support services													
Paris and petite couronne / Equivalent core	52 454	56 567	58 712	58 216	58 012	61 930	65 230	72 506	80 248	76 280	80 601	82 061	82 856
Greater London / Equivalent core	51 692	52 635	54 663	52 272	54 130	56 851	61 779	66 249	61 729	52 825	57 376	60 952	68 149
Région IDF / Equivalent Paris FUR	66 065	69 498	72 033	73 186	73 028	77 499	82 528	91 733	101 826	96 299	101 556	104 046	104 808
Equivalent London FUR	74 126	76 370	80 056	76 993	79 400	83 153	89 413	94 749	87 486	75 212	80 771	84 330	94 776
Bassin parisien	81 346	85 300	88 034	89 609	90 825	95 706	101 836	112 167	121 447	113 762	119 405	122 877	123 338
Greater South East	98 636	102 560	107 790	103 523	108 123	112 223	121 920	128 553	117 589	101 239	108 692	113 443	126 755
Public administration, education and health													
Paris and petite couronne / Equivalent core	40 788	41 720	43 170	45 444	47 661	49 378	49 102	51 408	54 610	57 646	60 988	60 895	61 941
Greater London / Equivalent core	37 742	39 134	42 543	42 878	46 145	49 533	52 679	55 010	49 565	47 522	49 757	51 535	57 260
Région IDF / Equivalent Paris FUR	60 944	62 540	64 665	66 949	69 992	73 093	73 766	77 231	81 825	85 633	90 239	91 174	93 110
Equivalent London FUR	60 392	63 206	68 191	67 965	73 217	78 042	84 337	88 450	79 705	75 793	79 780	81 293	89 155
Bassin parisien	95 068	98 137	102 010	105 703	109 969	114 645	116 782	121 941	127 926	132 515	137 649	140 609	143 677
Greater South East	97 443	101 999	109 584	107 901	117 067	124 388	134 867	141 000	127 201	120 087	127 430	128 425	140 034
Other service and household activities													
Paris and petite couronne / Equivalent core	12 512	13 548	14 592	15 205	15 571	16 620	17 164	18 291	12 791	12 514	12 711	12 791	13 594
Greater London / Equivalent core	13 426	13 524	15 052	13 908	15 082	16 348	16 516	16 917	15 947	13 291	15 090	15 757	17 763
Région IDF / Equivalent Paris FUR	15 118	15 904	17 470	18 254	18 930	19 809	20 611	21 965	17 847	17 563	16 848	16 731	17 901
Equivalent London FUR	19 447	19 836	21 770	20 853	22 421	23 957	24 196	25 252	23 779	20 536	23 627	24 367	27 136
Bassin parisien	19 020	19 952	21 620	22 514	23 377	24 357	25 334	26 821	22 912	22 643	22 700	22 607	23 823
Greater South East	27 704	28 339	30 768	30 018	32 116	34 074	34 653	36 462	34 396	29 798	34 217	34 507	38 447
Paris and petite couronne / Equivalent core	273 507	285 368	295 127	299 975	309 360	323 826	333 655	358 461	382 767	371 753	400 464	400 494	405 750
Greater London / Equivalent core	298 349	300 395	310 234	301 287	324 841	349 757	367 233	399 387	360 421	316 875	344 948	362 974	401 732
Région IDF / Equivalent Paris FUR	377 855	391 752	406 929	415 168	428 855	446 606	461 883	496 205	536 012	518 481	549 114	552 556	559 802
Equivalent London FUR	475 962	479 990	498 897	486 021	514 905	560 950	576 933	618 115	556 310	486 437	529 274	548 393	607 282
Bassin parisien	538 529	557 934	577 930	590 770	610 965	632 544	653 513	697 235	735 460	712 803	746 338	755 788	766 540
Greater South East	696 421	707 808	735 778	712 886	756 421	799 887	844 563	899 121	806 199	707 455	771 354	791 453	876 376

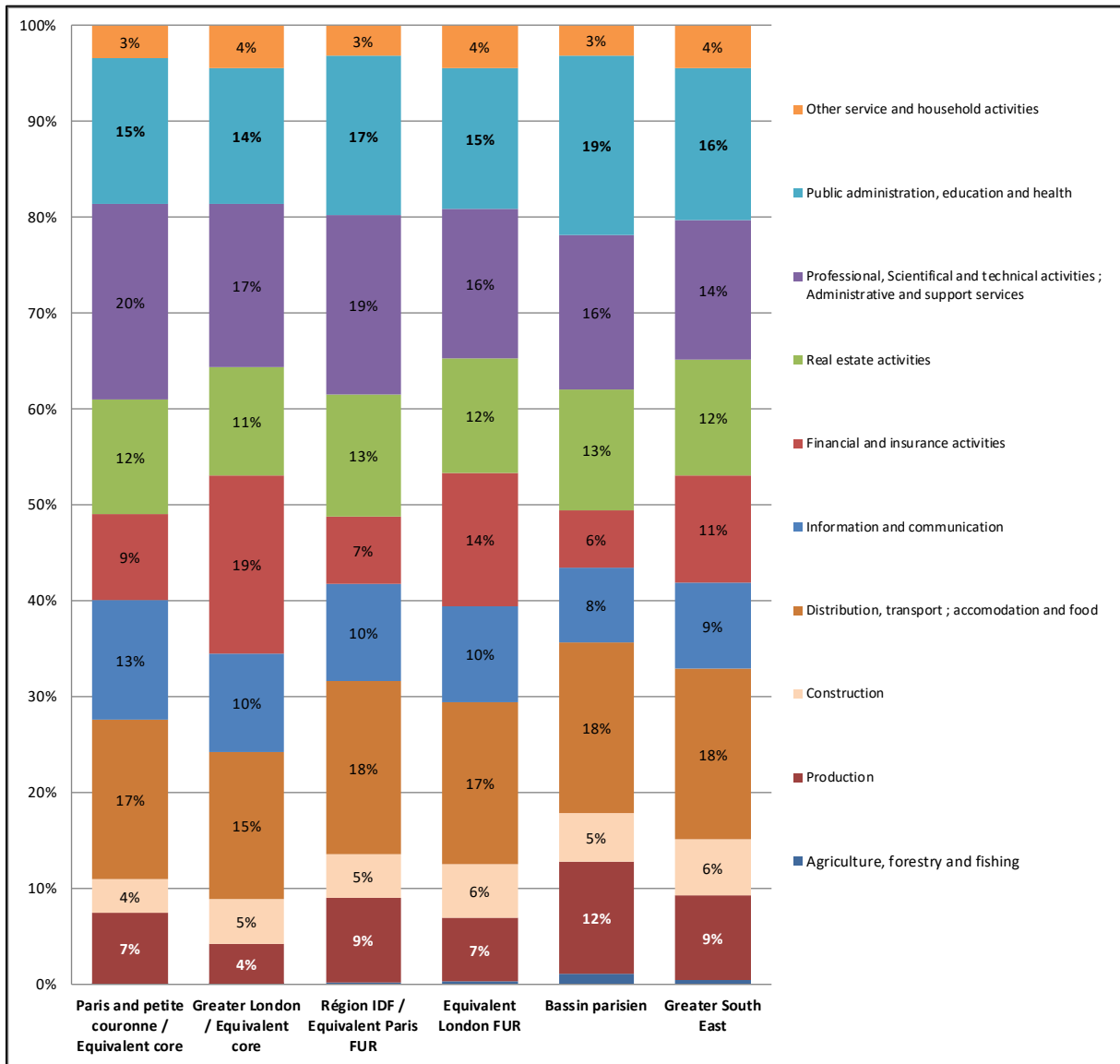
Source : OECD

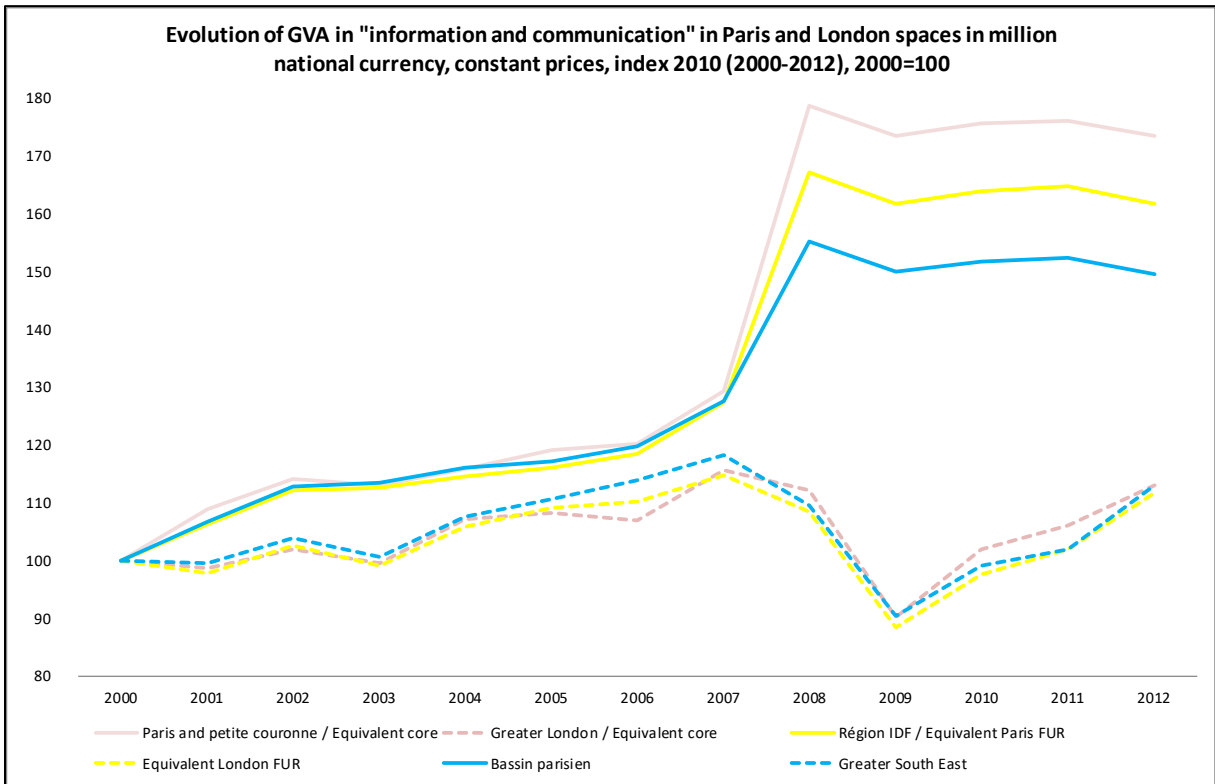
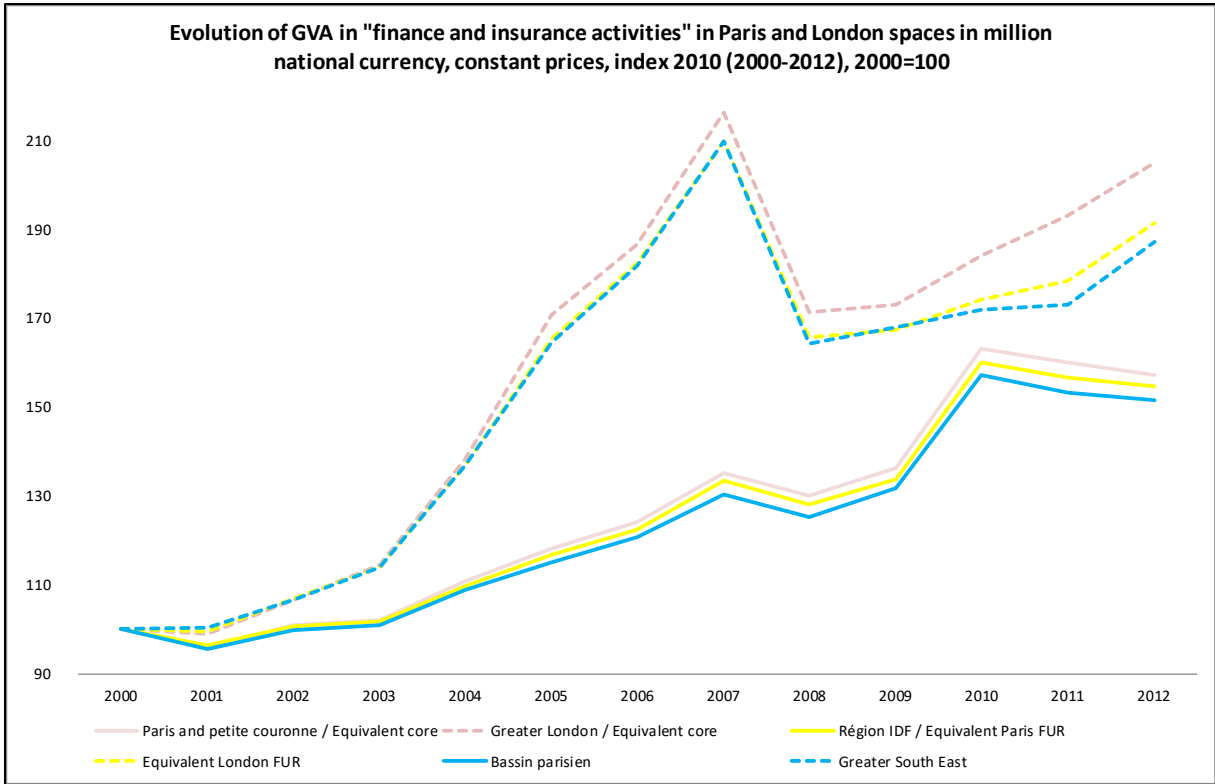
Decomposition of GVA by industry in Paris and London spaces (2000-2012)

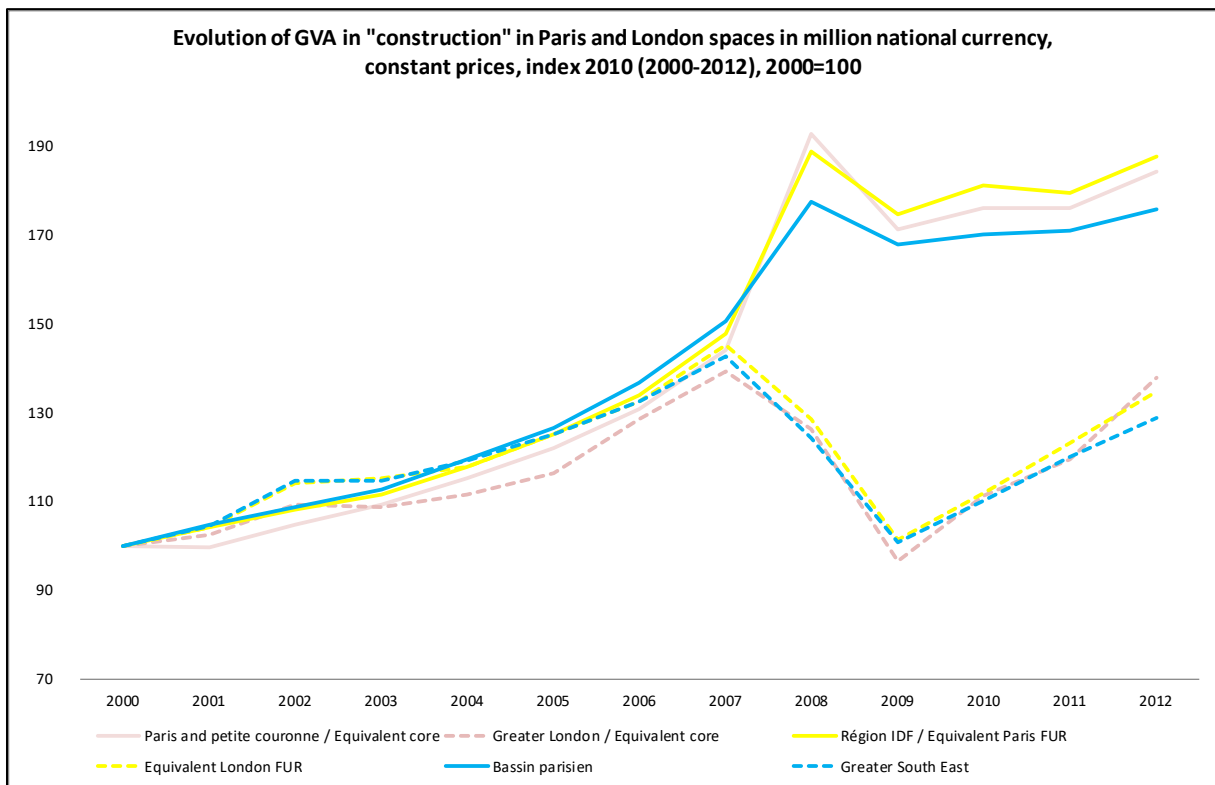
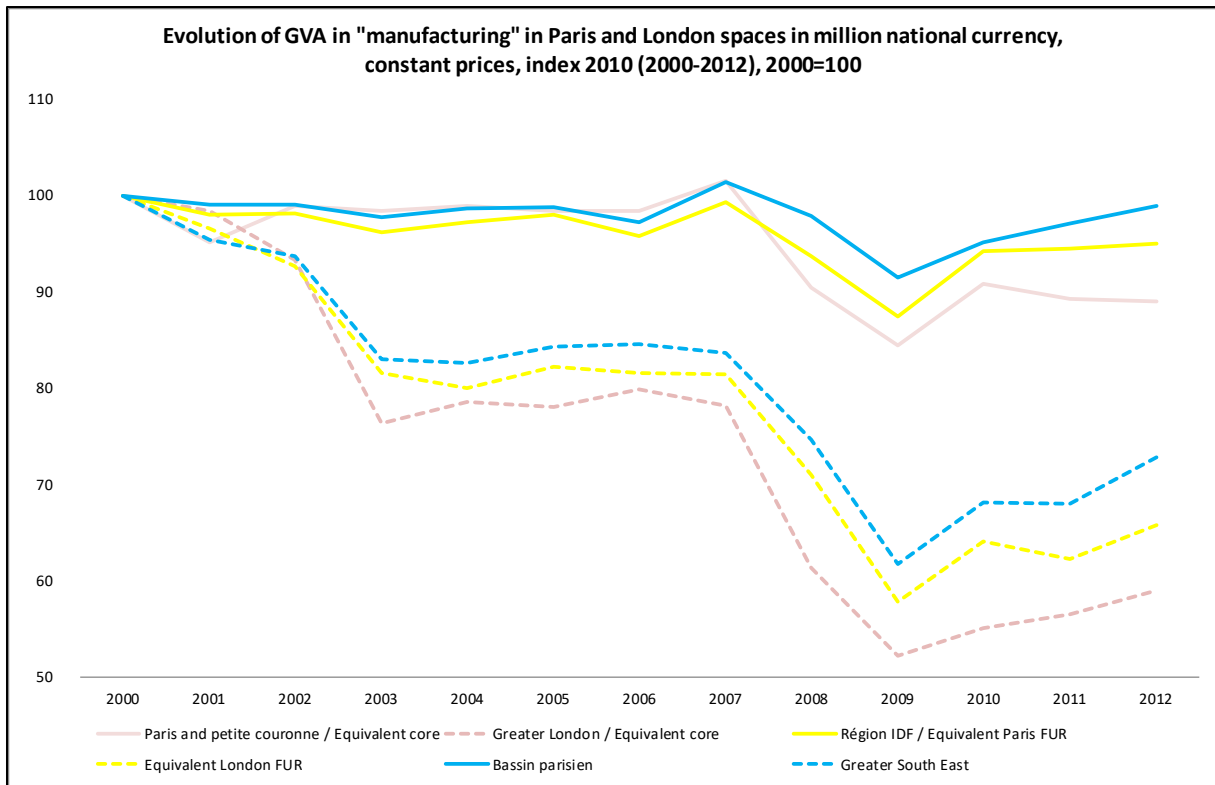
	Paris and petite couronne / Equivalent core		Région IDF / Equivalent Paris FUR		Bassin parisien		Decomposition of GVA by industry in Paris and London spaces		Greater London / Equivalent core		Equivalent London FUR		Greater South East	
	2000	2012	2000	2012	2000	2012	2000	2012	2000	2012	2000	2012	2000	2012
	Agriculture, sylviculture et pêche	0%	0%	0%	0%	1%	1%	Agriculture, forestry and fishing	0%	0%	0%	0%	0%	1%
Production	11%	7%	13%	9%	16%	12%	Production	7%	4%	11%	7%	13%	9%	9%
Construction	3%	4%	4%	5%	4%	5%	Construction	5%	5%	5%	6%	6%	6%	6%
Commerce de gros et de détail, transports, hébergement et restauration	17%	17%	18%	18%	18%	18%	Distribution, transport ; accommodation and food	21%	15%	21%	17%	21%	21%	18%
Information et communication	11%	13%	9%	10%	7%	8%	Information and communication	12%	10%	11%	10%	10%	9%	9%
Activités financières et d'assurance	8%	9%	7%	7%	6%	6%	Financial and insurance activities	12%	19%	9%	14%	8%	11%	11%
Activités immobilières	11%	12%	12%	13%	11%	13%	Real estate activities	9%	11%	9%	12%	10%	12%	12%
Activités scientifiques et techniques ; services administratifs et de soutien	19%	20%	17%	19%	15%	16%	Professional, Scientific and technical activities ; Administrative and support services	17%	17%	16%	16%	14%	14%	14%
Administration publique, enseignement, santé humaine et action sociale	15%	15%	16%	17%	18%	19%	Public administration, education and health	13%	14%	13%	15%	14%	14%	16%
Autres activités de services	5%	3%	4%	3%	4%	3%	Other service and household activities	5%	4%	4%	4%	4%	4%	4%
TOTAL	100%	100%	100%	100%	100%	100%	TOTAL	100%	100%	100%	100%	100%	100%	100%

Source : OECD

Decomposition of GVA by industry in Paris and London spaces in 2012







From national nomenclatures to a common nomenclature for the analysis of wage employment by industry

Industries		Common nomenclature
NAF rev.2	SIC 2007	
Agriculture	Agriculture, forestry and fishing	Agriculture, forestry and fishing
Industrie	Production	Production
Fabrication de denrées alimentaires, de boissons et de produits à base de tabac	<i>of which Manufacturing</i>	<i>of which Manufacturing</i>
Cokéfaction et raffinage		
Fabrication d'équipements électriques, électroniques, informatiques, fabrication de machines		
Fabrication de produits informatiques, électroniques et optiques		
Fabrication d'équipements électriques		
Fabrication de machines et d'équipements n.c.a.		
Fabrication de matériel de transports		
Fabrication d'autres produits industriels		
Fabrication de textiles, industries de l'habillement, industrie du cuir et de la chaussure		
Travail du bois, industrie du papier et imprimerie		
Industrie chimique		
Industrie pharmaceutique		
Fabrication de produits en caoutchouc et en plastique		
Métallurgie et fabrication de produits métalliques à l'exception des machines et des équipements		
Autres industries manufacturières ; réparation et installation de machines et d'équipements		
Industries extractives, énergie, eau, gestion des déchets et dépollution	Mining and quarrying ; electricity, gas, steam and air conditioning supply ; water supply ; sewerage, waste management and remediation activities	<i>of which mining and quarrying ; urban services (incl. electricity, gaz, water and waste management)</i>
Industries extractives	Mining and quarrying	Mining and quarrying
Production et distribution d'électricité, de gaz, de vapeur et d'air conditionné	Electricity, gas, steam and air conditioning supply	Electricity, gas, steam and air conditioning supply
Production et distribution d'eau ; assainissement, gestion des déchets et dépollution	Water supply; sewerage, waste management and remediation activities	Water supply; sewerage, waste management and remediation activities
Construction	Construction	Construction
Tertiaire marchand	Market services	Market services
Commerce ; réparation d'automobiles, et de motocycles	Wholesale and retail trade; repair of motor vehicles and motorcycles	Wholesale and retail trade; repair of motor vehicles and motorcycles
Transports et entreposage	Transportation and storage	Transportation and storage
Hébergement et restauration	Accommodation and food service activities	Accommodation and food service activities
Information et communication	Information and communication	Information and communication
Edition, audiovisuel et diffusion	NA	NA
Télécommunications		
Activités informatiques et services d'information		
Activités financières et d'assurance	Financial and insurance activities	Financial and insurance activities
Activités immobilières	Real estate activities	Real estate activities
Activités scientifiques et techniques ; services administratifs et de soutien	Professional, scientific and technical activities; administrative and support service activities	Professional, scientific and technical activities; administrative and support service activities
Activités juridiques, comptables, de gestion, d'architecture, d'ingénierie, de contrôle et d'analyses techniques	Professional, scientific and technical activities	Professional, scientific and technical activities
Recherche-développement scientifique		
Autres activités spécialisées, scientifiques et techniques		
Activités de services administratif et de soutien	Administrative and support service activities	Administrative and support service activities
Autres activités de services	Other services activities	Other services activities
Arts, spectacles et activités récréatives	Arts, entertainment and recreation	Arts, entertainment and recreation
Activités des ménages en tant qu'employeurs ; activités indifférenciées des ménages en tant que producteurs de biens et services pour usage propre	Activities of households as employers; undifferentiated goods-and services-producing activities of households for own use	Activities of households as employers; undifferentiated goods-and services-producing activities of households for own use
Autres activités de services	Other service activities	Other service activities
Activités extra-territoriales		
Tertiaire non marchand	Non market services	Non market services
Administration publique	Public administration and defence; compulsory social security	Public administration and defence; compulsory social security
Enseignement	Education	Education
Activités pour la santé humaine	Human health and social work activities	Human health and social work activities
Hébergement médico-social et social et action sociale sans hébergement		



**Evolution of wage employment by industry in Paris and London spaces (1989-2013), thousands,
INSEE and ONS data (1/4)**

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Agriculture, forestry and fishing																									
Paris and "petite couronne" / Equivalent core	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1
Greater London / Equivalent core	2	2	2	4	4	3	3	4	5	5	5	10	5	2	2	3	1	-	2	2	-	1	1	-	2
Ile-de-France Region / Equivalent Paris-FUR	5	6	6	7	7	7	8	9	9	9	8	7	7	6	6	6	6	6	6	5	5	5	4	5	5
Bassin parisien	54	55	58	58	58	58	62	65	67	71	67	64	62	61	62	62	61	60	58	55	54	53	55	55	57
Greater South East	88	83	81	80	81	67	71	79	90	84	78	86	74	67	62	73	64	67	58	66	47	59	65	49	58
Metropolitan France	212	215	224	228	232	237	249	298	273	285	278	271	260	258	261	260	263	248	236	227	225	221	226	229	236
United Kingdom	291	282	282	282	281	253	256	267	287	268	251	236	235	211	230	246	233	252	220	227	200	219	223	205	238
Production																									
Paris and "petite couronne" / Equivalent core	575	559	535	489	449	433	419	398	390	363	340	328	323	316	301	294	281	280	277	272	264	253	245	247	244
Greater London / Equivalent core	385	348	305	287	265	261	269	263	267	259	261	257	229	204	191	185	174	166	162	149	141	131	136	133	128
Ile-de-France Region / Equivalent Paris-FUR	853	895	815	756	704	683	671	644	637	616	606	601	596	583	561	547	533	526	515	504	487	471	463	463	456
Bassin parisien	1764	1758	1701	1619	1531	1504	1483	1452	1441	1421	1409	1420	1408	1377	1333	1298	1265	1243	1221	1191	1135	1099	1085	1078	1055
Greater South East	1393	1294	1155	1072	1047	1051	1081	1048	1077	1079	1048	1034	989	926	874	819	793	770	757	706	690	687	685	678	651
Metropolitan France	4551	4547	4431	4261	4075	4046	4061	3989	3983	3990	3984	4068	4060	3978	3880	3789	3701	3642	3599	3521	3354	3269	3252	3231	3174
United Kingdom	5182	4925	4519	4220	4161	4211	4310	4336	4354	4290	4136	4016	3838	3626	3432	3261	3131	3073	3025	2808	2768	2734	2717	2714	2724
<i>of which manufacturing</i>																									
Paris and "petite couronne" / Equivalent core	510	496	473	428	390	373	359	338	330	306	283	271	266	258	247	238	225	221	218	212	202	192	188	190	187
Greater London / Equivalent core	340	305	264	249	222	231	242	236	240	229	236	226	201	181	169	162	153	141	137	124	119	104	107	106	104
Ile-de-France Region / Equivalent Paris-FUR	772	766	736	679	629	606	594	566	559	541	529	522	516	503	484	468	455	447	434	423	403	388	383	383	375
Bassin parisien	1637	1632	1575	1495	1409	1379	1367	1326	1311	1294	1280	1287	1273	1241	1201	1165	1132	1109	1085	1056	997	962	951	941	920
Greater South East	1266	1170	1038	963	930	946	962	961	988	987	969	946	897	838	784	742	713	685	674	618	599	589	582	574	562
Metropolitan France	4224	4223	4107	3940	3756	3718	3721	3656	3645	3652	3640	3713	3700	3617	3522	3428	3342	3283	3238	3161	2992	2908	2880	2864	2808
United Kingdom	4687	4454	4083	3817	3798	3880	3887	4001	4017	3955	3825	3690	3497	3322	3137	2985	2857	2780	2729	2486	2442	2392	2360	2348	2369
<i>of which mining and quarrying : urban services (incl. electricity, gaz, water and waste management)</i>																									
Paris and "petite couronne" / Equivalent core	65	63	63	60	59	60	61	60	60	56	57	57	57	58	54	56	56	58	59	60	62	61	57	58	57
Greater London / Equivalent core	45	43	41	38	33	30	27	27	27	30	25	31	28	23	22	23	21	25	25	25	22	27	29	27	24
Ile-de-France Region / Equivalent Paris-FUR	80	79	79	77	75	77	78	77	78	76	77	79	80	81	78	78	78	79	81	81	81	84	83	80	81
Bassin parisien	127	126	126	124	122	126	126	127	129	127	130	133	135	136	132	134	133	134	136	136	138	137	135	136	136
Greater South East	127	124	117	109	117	105	89	87	89	92	79	88	92	88	90	77	80	85	88	88	91	98	103	104	89
Metropolitan France	327	324	324	321	320	328	331	333	338	338	344	355	360	361	358	361	359	359	361	359	362	362	362	367	366
United Kingdom	495	471	436	403	363	331	323	335	337	355	311	326	341	304	295	276	274	293	296	307	326	342	357	366	355
Construction																									
Paris and "petite couronne" / Equivalent core	212	201	196	186	172	167	161	148	140	136	137	133	136	132	131	130	134	136	143	145	144	142	143	146	148
Greater London / Equivalent core	175	173	155	139	124	128	127	117	153	160	160	161	166	158	155	145	154	156	158	145	148	132	138	155	146
Ile-de-France Region / Equivalent Paris-FUR	344	349	342	323	295	287	279	256	243	236	240	242	246	241	239	240	245	253	265	268	266	263	265	270	275
Bassin parisien	549	557	548	524	488	481	471	440	428	423	433	444	452	447	447	451	463	479	501	516	498	492	491	491	488
Greater South East	460	456	397	356	317	328	334	346	435	435	454	462	473	456	462	459	483	485	502	497	482	476	441	449	449
Metropolitan France	1369	1379	1354	1292	1226	1230	1166	1155	1164	1204	1204	1255	1283	1283	1294	1319	1367	1428	1488	1498	1458	1439	1430	1431	1387
United Kingdom	1381	1364	1238	1139	1088	1091	1068	1038	1232	1271	1303	1305	1337	1312	1331	1379	1425	1482	1470	1479	1350	1242	1248	1225	1244

**Evolution of wage employment by industry in Paris and London spaces (1989-2013), thousands,
INSEE and ONS data (2/4)**

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
Market services																										
Paris and "petite couronne" / Equivalent core	2 031	2 030	2 013	1 994	1 994	2 007	2 024	2 055	2 072	2 152	2 264	2 351	2 408	2 395	2 361	2 375	2 411	2 448	2 511	2 497	2 482	2 499	2 536	2 529	2 533	
Greater London / Equivalent core	2 379	2 385	2 290	2 215	2 292	2 390	2 442	2 393	2 559	2 680	2 866	2 959	2 990	2 873	2 853	2 878	2 945	2 986	3 081	3 124	2 944	3 007	3 065	3 149	3 339	
Ile-de-France Region / Equivalent Paris FUR	2 622	2 657	2 655	2 648	2 659	2 710	2 719	2 764	2 812	2 925	3 068	3 194	3 277	3 272	3 243	3 261	3 312	3 370	3 455	3 432	3 398	3 427	3 467	3 456	3 459	
Basin parisien	3 667	3 718	3 774	3 718	3 726	3 810	3 841	3 906	3 999	4 145	4 336	4 523	4 625	4 640	4 610	4 635	4 693	4 770	4 888	4 841	4 797	4 845	4 883	4 848	4 844	
Greater South East	5 168	5 201	5 046	4 913	5 046	5 182	5 363	5 412	5 680	5 921	6 242	6 472	6 523	6 469	6 429	6 474	6 600	6 691	6 847	6 887	6 529	6 614	6 727	6 810	7 118	
Metropolitan France	7 979	8 116	8 166	8 161	8 197	8 413	8 568	8 723	8 998	9 341	9 767	10 216	10 455	10 875	10 874	10 887	11 022	11 017	11 276	11 159	11 100	11 251	11 328	11 254	11 268	
United Kingdom	12 155	12 343	11 969	11 800	12 046	12 284	12 527	12 810	13 269	13 577	14 038	14 429	14 685	14 833	14 928	15 171	15 438	15 705	15 941	15 879	15 765	15 794	15 478	15 578	16 057	
Wholesale and retail trade; repair of motor vehicles and motorcycles																										
Paris and "petite couronne" / Equivalent core	449	444	436	421	414	420	415	415	413	418	433	432	438	431	427	426	429	428	429	420	413	415	422	420	421	
Greater London / Equivalent core	587	575	547	530	539	570	568	515	557	584	631	619	610	599	585	583	581	583	583	583	583	545	543	572	599	
Ile-de-France Region / Equivalent Paris FUR	667	676	670	649	641	651	646	648	653	667	686	693	706	699	698	698	699	703	707	696	684	684	692	689	689	
Basin parisien	1 038	1 048	1 040	1 013	1 004	1 017	1 018	1 025	1 035	1 056	1 083	1 101	1 124	1 125	1 126	1 124	1 126	1 130	1 140	1 128	1 111	1 112	1 122	1 115	1 111	
Greater South East	1 518	1 524	1 497	1 440	1 479	1 526	1 560	1 544	1 629	1 667	1 702	1 745	1 739	1 741	1 712	1 698	1 712	1 713	1 725	1 712	1 620	1 663	1 651	1 663	1 692	
Metropolitan France	2 535	2 555	2 538	2 495	2 488	2 527	2 562	2 596	2 699	2 782	2 883	2 945	2 990	2 971	2 990	2 995	3 006	3 024	3 064	3 046	3 011	3 016	3 040	3 024	3 015	
United Kingdom	4 014	4 025	3 985	3 901	4 008	4 091	4 153	4 202	4 341	4 393	4 407	4 487	4 545	4 592	4 587	4 617	4 621	4 621	4 603	4 492	4 478	4 421	4 427	4 433		
Transportation and storage																										
Paris and "petite couronne" / Equivalent core	226	229	226	220	214	210	209	208	197	206	221	232	229	227	224	220	222	223	223	225	222	222	218	216	217	
Greater London / Equivalent core	250	254	243	227	218	219	208	224	232	237	241	243	238	223	227	230	238	233	241	242	223	214	211	223	221	
Ile-de-France Region / Equivalent Paris FUR	312	321	320	316	311	311	313	313	311	321	340	363	365	365	359	356	360	364	368	371	366	366	363	360	359	
Basin parisien	494	504	504	500	492	492	494	494	494	507	528	563	568	573	566	564	561	564	573	576	564	564	560	554	551	
Greater South East	511	519	504	480	463	474	465	484	482	495	524	512	507	499	498	501	522	520	528	532	501	479	485	506	502	
Metropolitan France	1 167	1 184	1 187	1 186	1 169	1 168	1 178	1 177	1 184	1 213	1 253	1 335	1 360	1 375	1 365	1 357	1 352	1 348	1 364	1 362	1 338	1 348	1 353	1 345	1 340	
United Kingdom	1 174	1 178	1 149	1 101	1 082	1 085	1 081	1 100	1 111	1 141	1 191	1 195	1 211	1 208	1 216	1 226	1 259	1 273	1 303	1 297	1 243	1 229	1 246	1 245	1 263	
Accommodation and food service activities																										
Paris and "petite couronne" / Equivalent core	149	153	154	149	150	151	152	154	156	162	167	175	180	185	187	190	193	198	204	202	202	205	210	214	215	
Greater London / Equivalent core	203	201	179	178	178	218	229	215	193	228	246	278	289	278	293	301	293	303	315	300	315	300	302	325	324	351
Ile-de-France Region / Equivalent Paris FUR	191	196	199	193	195	198	200	202	206	215	221	232	238	245	249	251	256	262	269	268	268	273	279	282	283	
Basin parisien	256	262	266	261	265	270	273	277	285	296	305	319	328	338	343	346	353	361	370	368	368	374	382	385	384	
Greater South East	534	519	463	460	497	514	520	530	532	586	630	627	646	678	692	688	694	694	705	710	673	702	729	709	788	
Metropolitan France	571	586	597	600	615	629	642	657	682	709	736	766	790	818	825	839	854	876	902	896	901	917	932	937	933	
United Kingdom	1 453	1 487	1 384	1 391	1 402	1 421	1 442	1 432	1 567	1 634	1 679	1 677	1 728	1 786	1 817	1 856	1 861	1 857	1 872	1 864	1 803	1 779	1 810	1 814	1 970	
Information and communication																										
Paris and "petite couronne" / Equivalent core	214	221	222	227	228	235	239	246	255	272	302	326	337	320	308	314	319	327	337	338	333	331	335	336	334	
Greater London / Equivalent core	214	214	205	198	200	206	210	229	243	269	286	310	314	290	282	277	290	291	307	316	295	301	313	317	361	
Ile-de-France Region / Equivalent Paris FUR	240	247	249	256	259	268	271	280	290	309	340	366	380	362	350	357	362	372	381	383	375	378	382	383	381	
Basin parisien	274	282	285	292	296	305	308	317	328	347	380	408	403	404	391	397	403	412	423	424	416	417	420	421	418	
Greater South East	402	402	386	376	381	390	401	424	469	509	559	609	613	585	576	557	576	581	595	614	583	571	610	624	684	
Metropolitan France	449	463	471	482	487	501	508	518	537	562	607	652	677	650	634	640	655	671	687	695	685	690	700	706	704	
United Kingdom	718	712	685	667	676	692	704	731	802	861	949	1 041	1 073	1 054	1 042	1 016	1 038	1 060	1 067	1 066	1 053	1 029	1 056	1 064	1 117	

**Evolution of wage employment by industry in Paris and London spaces (1989-2013), thousands,
INSEE and ONS data (3/4)**

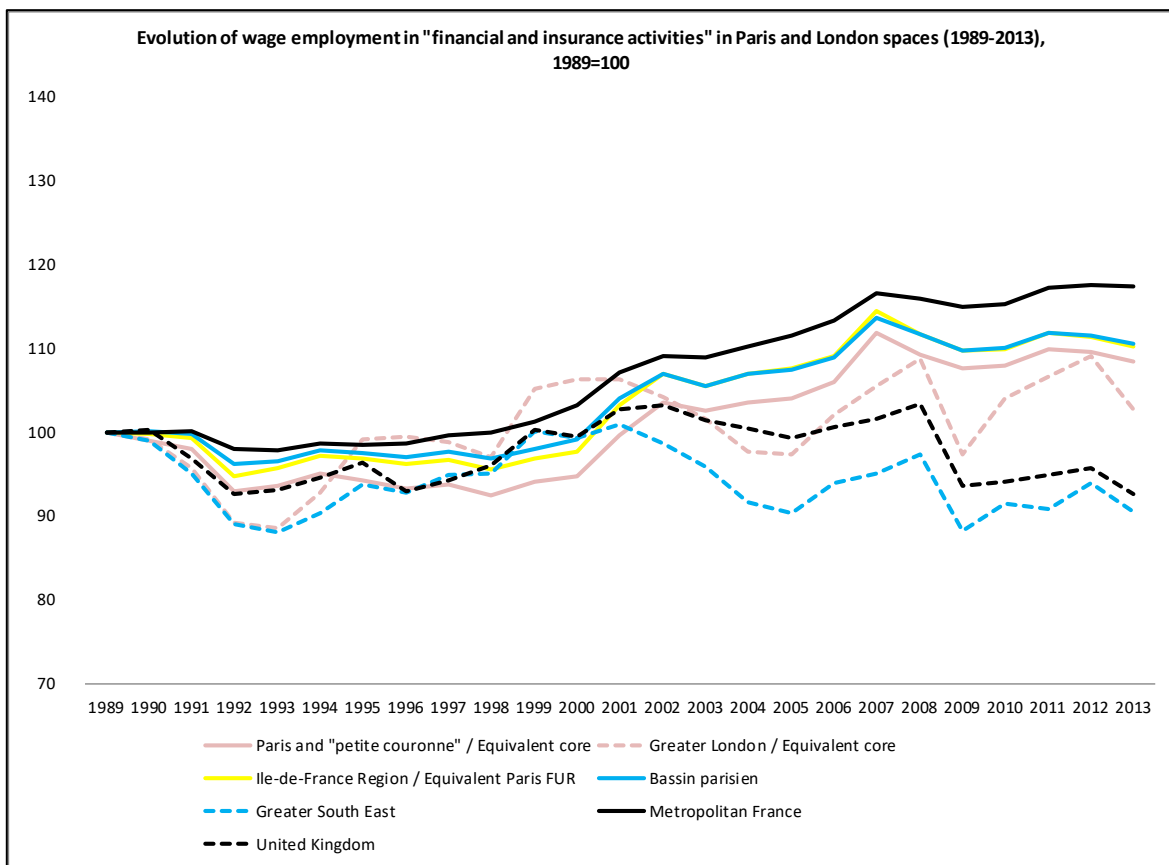
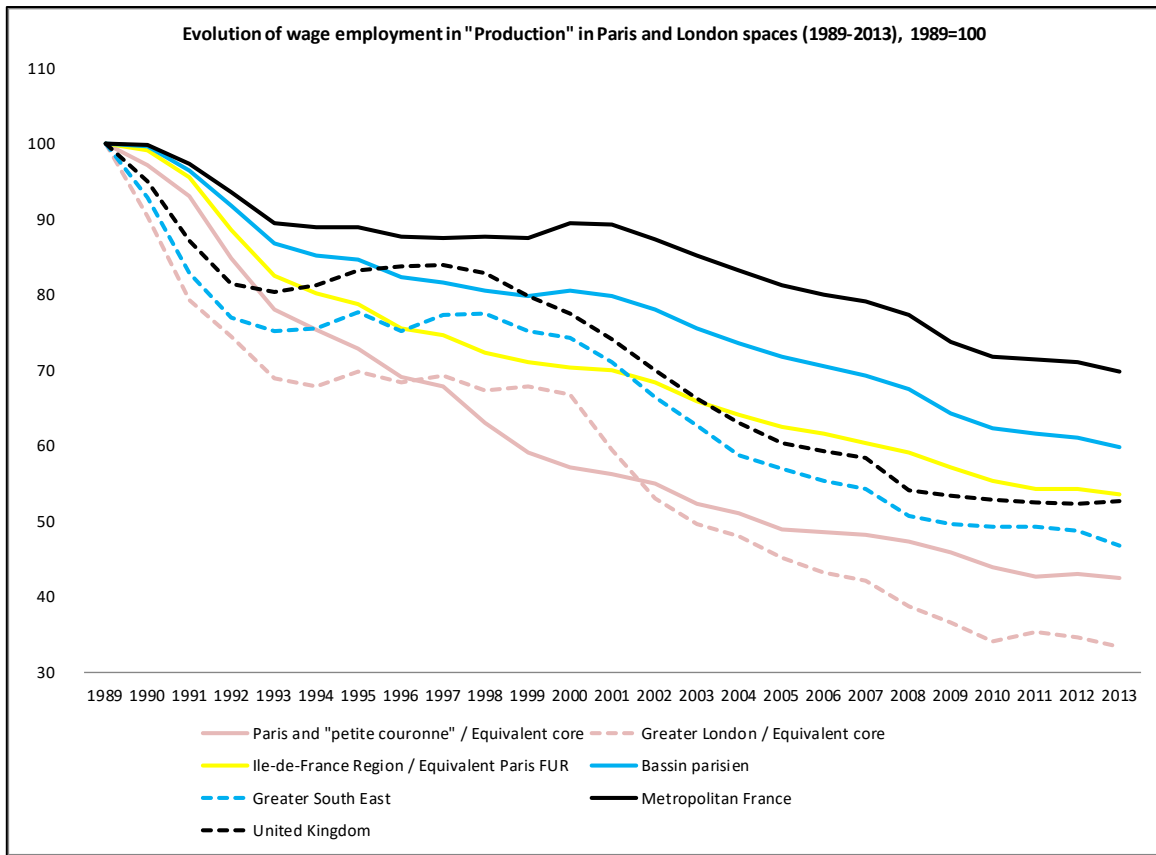
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Financial and insurance activities	265	262	260	247	248	252	250	247	248	245	249	251	264	275	272	274	276	281	297	290	285	286	291	290	287
Paris and "petite couronne" / Equivalent core	331	328	317	295	293	287	288	289	327	321	326	332	352	345	336	323	322	338	349	360	322	344	353	361	340
Greater London / Equivalent core	295	293	289	280	282	287	286	284	285	282	288	288	305	316	311	316	322	338	349	360	322	344	353	361	340
le-de-France Region / Equivalent Paris EUR	379	379	378	371	369	367	371	369	367	370	367	371	375	384	405	400	405	407	412	430	423	416	417	424	413
Bassin parisien	584	578	555	530	514	527	542	542	554	555	585	580	589	576	560	535	527	548	555	588	515	534	530	548	528
Greater South East	715	714	715	701	699	705	704	704	711	714	723	737	765	789	778	788	797	809	832	821	824	838	840	840	839
Metropolitan France	1 116	1 118	1 080	1 033	1 039	1 056	1 075	1 097	1 052	1 072	1 119	1 110	1 146	1 152	1 131	1 120	1 108	1 122	1 134	1 154	1 044	1 049	1 058	1 068	1 033
United Kingdom																									
Real estate activities																									
Paris and "petite couronne" / Equivalent core	54	48	46	59	61	59	56	57	56	57	62	56	58	58	54	56	58	58	61	61	61	62	62	61	62
Greater London / Equivalent core	55	52	52	52	52	58	60	56	57	59	64	70	64	63	64	66	72	74	78	95	98	79	79	78	78
le-de-France Region / Equivalent Paris EUR	67	62	59	74	76	73	70	72	71	73	79	72	74	75	69	72	75	76	80	78	78	78	79	79	78
Bassin parisien	96	90	87	101	109	100	96	98	97	99	106	100	101	103	96	99	103	105	111	107	106	107	107	106	105
Greater South East	95	97	94	94	100	103	108	103	109	115	128	138	131	132	131	138	151	156	165	162	200	205	202	212	238
Metropolitan France	227	217	216	230	231	223	216	215	218	217	222	226	226	226	230	218	227	235	246	237	234	236	237	234	231
United Kingdom	210	211	207	208	216	226	232	223	235	243	258	271	266	280	291	311	344	368	402	432	428	401	419	435	468
Professional, scientific and technical activities; administrative and support service activities																									
Paris and "petite couronne" / Equivalent core	502	505	501	506	506	520	520	536	546	583	614	658	679	673	658	660	675	687	699	695	697	703	718	714	722
Greater London / Equivalent core	683	605	583	577	603	636	681	671	731	780	810	888	866	828	831	862	907	932	973	978	946	975	968	1 004	1 110
le-de-France Region / Equivalent Paris EUR	634	646	647	655	662	683	685	705	723	773	817	876	904	899	888	889	914	932	951	939	933	946	961	957	969
Bassin parisien	820	837	842	852	855	897	903	931	976	1 035	1 107	1 190	1 214	1 213	1 205	1 215	1 243	1 269	1 301	1 284	1 253	1 286	1 303	1 286	1 305
Greater South East	1 172	1 199	1 181	1 184	1 245	1 286	1 377	1 381	1 486	1 570	1 646	1 773	1 751	1 724	1 724	1 805	1 885	1 936	2 011	1 965	1 996	1 914	1 977	2 038	2 154
Metropolitan France	1 620	1 674	1 689	1 695	1 695	1 806	1 843	1 901	2 083	2 145	2 323	2 507	2 542	2 584	2 629	2 662	2 720	2 802	2 886	2 788	2 772	2 802	2 808	2 862	2 937
United Kingdom	2 534	2 573	2 543	2 555	2 645	2 747	2 871	2 973	3 117	3 187	3 288	3 468	3 492	3 509	3 586	3 758	3 959	4 119	4 249	4 178	4 024	4 093	4 233	4 324	4 514
of which professional, scientific and technical activities																									
Paris and "petite couronne" / Equivalent core	275	283	280	283	288	291	293	302	308	329	344	370	376	370	361	365	371	379	386	388	387	392	403	401	408
Greater London / Equivalent core	310	308	294	293	307	325	342	329	355	375	386	424	416	403	421	431	463	482	509	536	508	531	510	549	632
le-de-France Region / Equivalent Paris EUR	358	367	365	369	381	386	387	396	401	428	443	471	482	480	472	475	483	491	499	502	497	505	519	518	526
Bassin parisien	434	446	446	452	462	467	468	478	485	516	533	565	580	579	573	580	588	596	608	612	606	615	622	631	659
Greater South East	580	591	578	583	616	659	674	668	682	716	761	818	810	808	823	864	912	936	977	999	988	999	1 008	1 055	1 157
Metropolitan France	815	844	847	852	859	876	883	898	921	973	1 000	1 054	1 088	1 106	1 109	1 136	1 157	1 186	1 221	1 234	1 231	1 250	1 284	1 293	1 310
United Kingdom	1 186	1 200	1 181	1 191	1 236	1 283	1 322	1 316	1 322	1 363	1 427	1 504	1 516	1 529	1 607	1 670	1 783	1 851	1 903	1 970	1 921	1 943	1 993	2 069	2 194
Administrative and support service activities																									
Paris and "petite couronne" / Equivalent core	227	222	220	222	218	229	227	233	238	254	271	288	303	303	297	295	304	308	313	307	309	311	316	313	313
Greater London / Equivalent core	293	297	289	284	296	311	339	342	376	405	424	464	450	425	410	431	444	450	464	442	438	444	458	455	478
le-de-France Region / Equivalent Paris EUR	276	279	282	287	281	297	298	309	322	345	375	404	421	419	416	414	431	441	441	452	437	446	441	442	439
Bassin parisien	386	391	396	400	398	400	434	453	453	491	519	573	625	634	632	635	655	673	693	652	647	671	671	655	665
Greater South East	592	608	603	601	629	647	703	713	804	854	884	964	941	916	901	941	973	999	1 034	966	921	915	969	983	1 017
Metropolitan France	805	830	842	841	827	930	960	1 008	1 112	1 173	1 322	1 453	1 454	1 478	1 501	1 526	1 563	1 616	1 665	1 554	1 541	1 632	1 624	1 569	1 607
United Kingdom	1 348	1 373	1 362	1 364	1 409	1 464	1 549	1 657	1 795	1 824	1 861	1 964	1 976	1 980	1 979	2 088	2 176	2 268	2 346	2 208	2 102	2 150	2 240	2 255	2 320
Other services activities																									
Paris and "petite couronne" / Equivalent core	171	169	168	166	173	179	185	193	200	209	216	219	223	226	231	234	239	246	261	267	269	275	278	278	276
Greater London / Equivalent core	166	153	164	158	166	165	172	176	184	194	208	208	238	232	227	244	232	235	247	235	219	230	243	233	248
le-de-France Region / Equivalent Paris EUR	214	215	217	225	233	240	249	260	272	286	298	303	307	311	317	323	329	340	360	367	371	378	380	379	375
Bassin parisien	312	316	322	334	347	359	380	397	414	439	456	465	472	479	484	490	498	516	540	552	563	568	565	559	552
Greater South East	332	363	366	399	367	362	385	404	419	424	469	479	547	542	534	542	533	544	563	554	528	546	543	510	552
Metropolitan France	697	723	753	775	813	853	914	952	996	1 072	1 116	1 133	1 153	1 167	1 179	1 189	1 212	1 252	1 295	1 305	1 340	1 338	1 321	1 307	1 288
United Kingdom	986	939	936	944	978	966	969	1 012	1 044	1 046	1 147	1 180	1 224	1 252	1 258	1 257	1 274	1 285	1 272	1 285	1 238	1 236	1 235	1 201	1 259

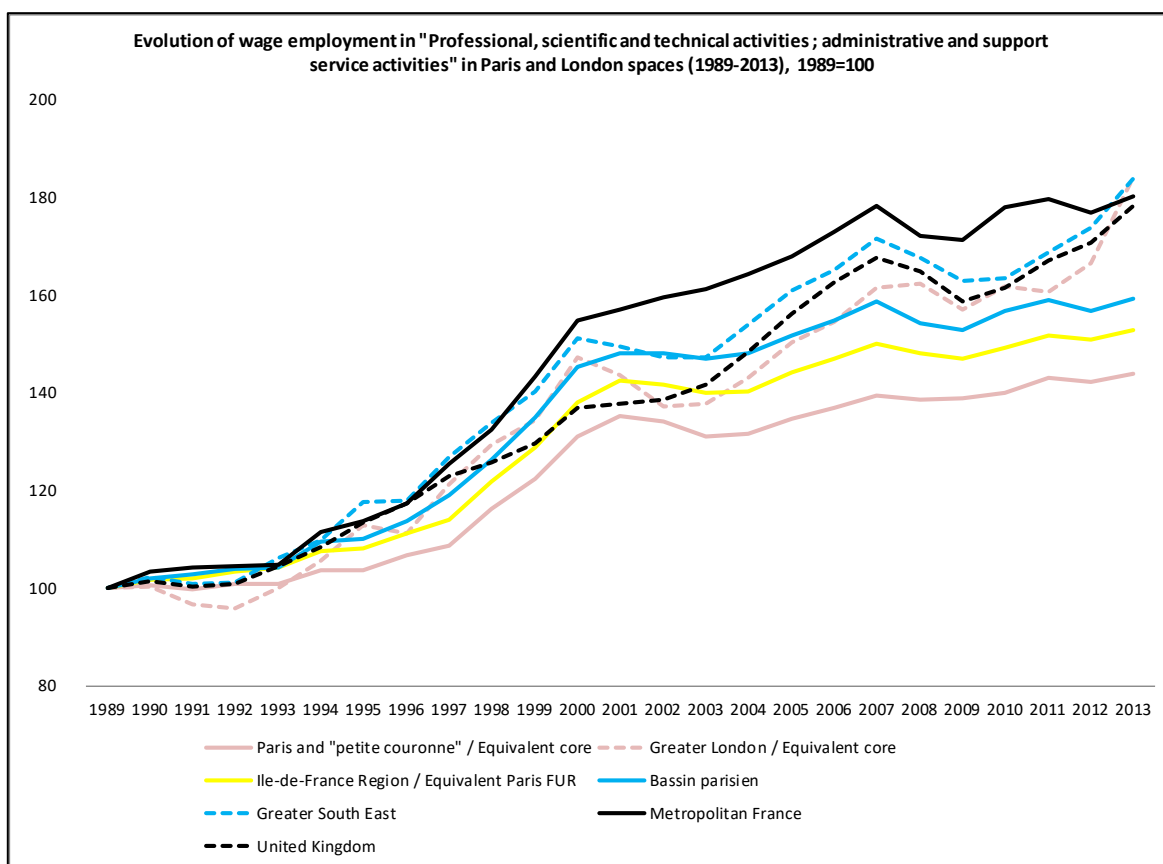
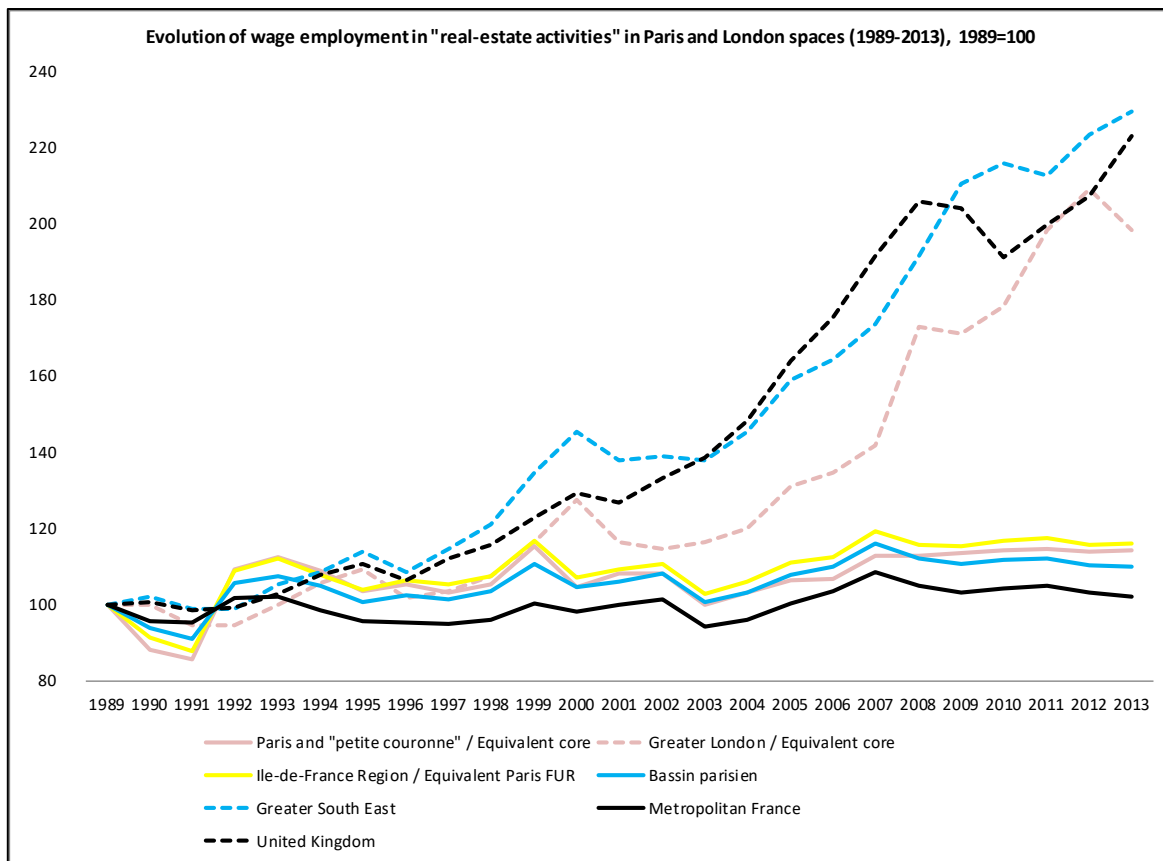
**Evolution of wage employment by industry in Paris and London spaces (1989-2013), thousands,
INSEE and ONS data (4/4)**

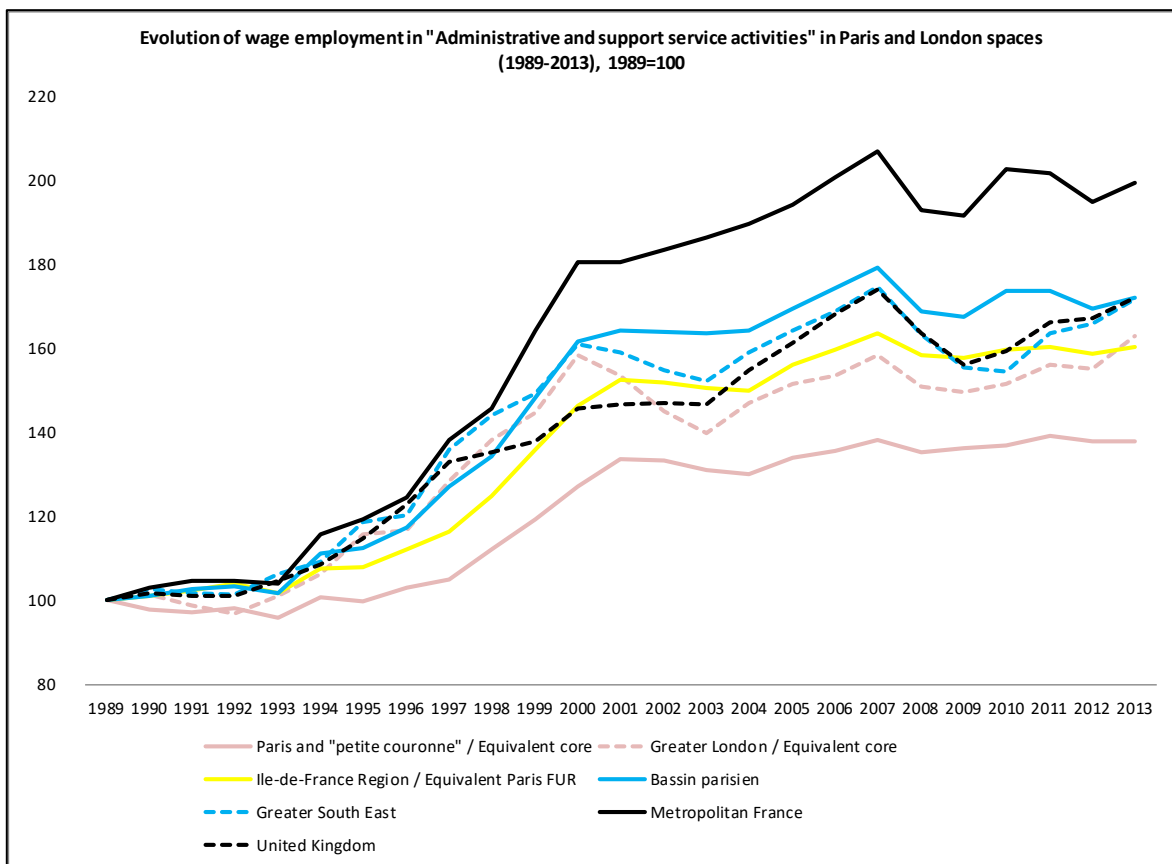
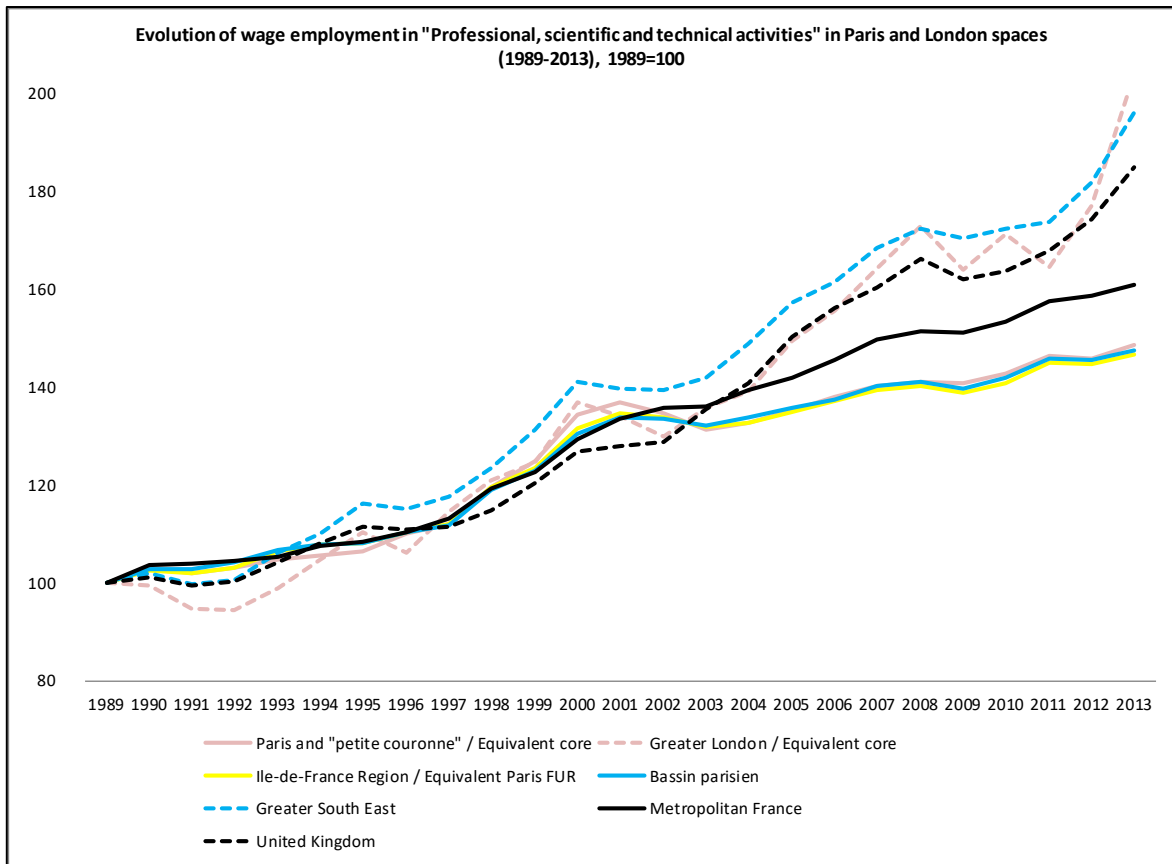
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Non market services																									
Paris and "petite couronne" / Equivalent core	860	857	868	866	875	874	878	879	875	881	884	902	903	910	910	912	919	929	938	935	956	923	922	923	946
Greater London / Equivalent core	894	839	796	773	757	738	732	770	769	783	799	823	800	858	877	905	924	896	891	974	1000	966	999	1035	1050
Ile-de-France Region / Equivalent Paris FUR	1287	1298	1323	1335	1356	1363	1370	1376	1378	1393	1416	1440	1409	1418	1414	1422	1440	1457	1470	1467	1469	1453	1455	1460	1491
Basin parisien	2213	2238	2289	2329	2369	2394	2414	2421	2429	2468	2513	2543	2518	2551	2547	2557	2586	2613	2635	2640	2640	2622	2620	2631	2670
Greater South East	2153	2117	2082	2075	2086	2036	2002	2045	2043	2056	2086	2142	2142	2233	2238	2360	2426	2450	2451	2536	2606	2597	2592	2650	2702
Metropolitan France	5929	6012	6161	6307	6422	6521	6604	6634	6675	6799	6936	7032	7075	7206	7230	7284	7388	7498	7531	7583	7607	7609	7615	7654	7757
United Kingdom	5812	5885	5949	5951	5951	5943	5961	6019	5989	6046	6265	6380	6335	6748	6982	7177	7361	7385	7398	7549	7679	7671	7612	7647	7773
Public administration and defence; compulsory social security																									
Paris and "petite couronne" / Equivalent core	391	390	394	391	392	388	391	395	394	398	401	406	404	406	405	405	411	414	407	410	409	400	396	394	397
Greater London / Equivalent core	252	255	260	248	237	228	221	221	217	217	226	225	215	235	240	235	247	237	225	236	238	222	214	214	217
Ile-de-France Region / Equivalent Paris FUR	540	545	558	562	568	570	577	584	589	600	605	620	617	621	613	618	625	635	627	633	632	622	619	617	621
Basin parisien	859	871	890	902	913	923	935	942	949	972	987	1004	1003	1015	1008	1018	1028	1040	1038	1049	1046	1031	1023	1022	1026
Greater South East	561	559	562	550	551	506	487	468	460	460	479	477	469	484	494	502	518	516	491	494	499	476	482	441	443
Metropolitan France	2174	2218	2272	2310	2344	2381	2423	2446	2467	2529	2579	2629	2662	2713	2720	2755	2776	2810	2828	2844	2847	2831	2810	2812	2830
United Kingdom	1453	1475	1502	1485	1460	1416	1396	1381	1358	1352	1407	1404	1431	1479	1515	1544	1556	1556	1548	1526	1536	1483	1381	1350	1338
Education																									
Paris and "petite couronne" / Equivalent core	197	199	201	202	204	208	209	207	207	208	214	216	218	217	217	216	216	217	221	217	218	213	215	216	229
Greater London / Equivalent core	287	248	218	219	220	213	211	219	224	242	250	255	252	270	278	292	287	288	292	306	322	315	328	336	344
Ile-de-France Region / Equivalent Paris FUR	340	346	350	357	364	367	368	365	365	368	379	382	351	352	350	346	350	349	350	340	340	332	332	333	349
Basin parisien	582	587	598	611	621	627	628	622	621	628	644	647	617	619	609	596	600	601	596	576	571	562	557	557	579
Greater South East	712	688	661	658	683	670	656	683	698	679	715	734	730	767	797	819	824	855	870	889	916	911	927	935	983
Metropolitan France	1549	1555	1585	1621	1643	1638	1662	1650	1649	1667	1712	1725	1705	1710	1675	1684	1638	1646	1621	1577	1565	1556	1535	1537	1587
United Kingdom	1929	1919	1893	1869	1879	1886	1903	1894	1928	1962	2075	2117	2144	2233	2324	2375	2446	2434	2450	2492	2519	2489	2515	2535	2609
Human health and social work activities																									
Paris and "petite couronne" / Equivalent core	272	268	273	273	278	278	278	278	275	275	279	280	282	287	288	291	293	298	310	308	309	310	312	313	320
Greater London / Equivalent core	355	336	318	306	300	297	300	330	328	324	323	343	333	353	359	378	380	376	374	432	440	429	457	485	489
Ile-de-France Region / Equivalent Paris FUR	407	407	414	417	424	426	425	428	424	425	432	438	444	445	445	450	457	465	473	492	493	497	499	504	510
Basin parisien	772	779	801	816	834	845	852	857	858	868	882	892	898	917	930	943	958	972	1001	1015	1023	1029	1040	1052	1065
Greater South East	880	870	859	867	872	860	859	884	885	897	892	931	943	972	987	1089	1074	1088	1090	1153	1191	1210	1233	1274	1276
Metropolitan France	2207	2240	2304	2376	2435	2482	2519	2538	2559	2602	2645	2678	2708	2782	2835	2885	2943	3002	3082	3143	3196	3222	3270	3305	3340
United Kingdom	2430	2491	2554	2597	2622	2631	2662	2704	2703	2732	2783	2859	2960	3036	3143	3258	3369	3395	3400	3531	3624	3699	3716	3762	3826
Paris and "petite couronne" / Equivalent core	3679	3648	3612	3537	3482	3502	3484	3482	3479	3534	3636	3716	3772	3754	3705	3712	3747	3794	3870	3849	3827	3818	3847	3846	3872
Greater London / Equivalent core	3385	3747	3548	3438	3442	3520	3373	3547	3753	3887	4091	4210	4160	4095	4078	4116	4198	4204	4294	4394	4233	4237	4339	4472	4665
Ile-de-France Region / Equivalent Paris FUR	5112	5156	5141	5069	5022	5050	5048	5048	5079	5179	5339	5483	5534	5521	5463	5476	5586	5612	5710	5676	5626	5619	5654	5655	5686
Basin parisien	8249	8326	8320	8247	8172	8248	8281	8284	8363	8527	8758	8994	9065	9076	8999	9002	9068	9165	9302	9333	9125	9112	9134	9102	9114
Greater South East	9262	9151	8761	8466	8577	8664	8651	8930	9325	9555	9908	10196	10201	10151	10115	10285	10366	10463	10615	10642	10354	10383	10510	10636	10978
Metropolitan France	20041	20270	20337	20349	20452	20448	20686	20770	21084	21579	22168	22842	23333	23300	23259	23340	23593	23794	24130	23967	23744	23790	23851	23781	23821
United Kingdom	24821	24699	23957	23392	23527	23782	24112	24470	25131	25452	25993	26366	26630	26730	26903	27234	27588	27897	28049	27937	27262	27160	27278	27369	28036

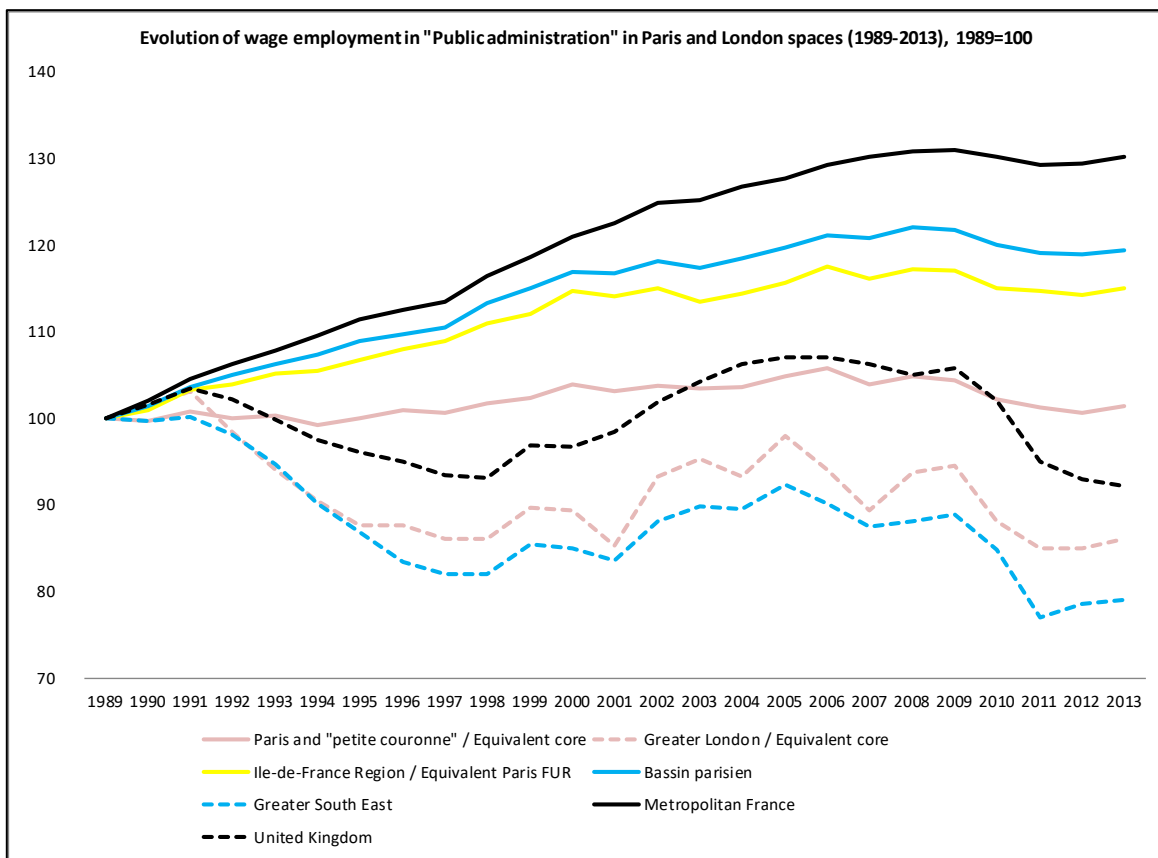
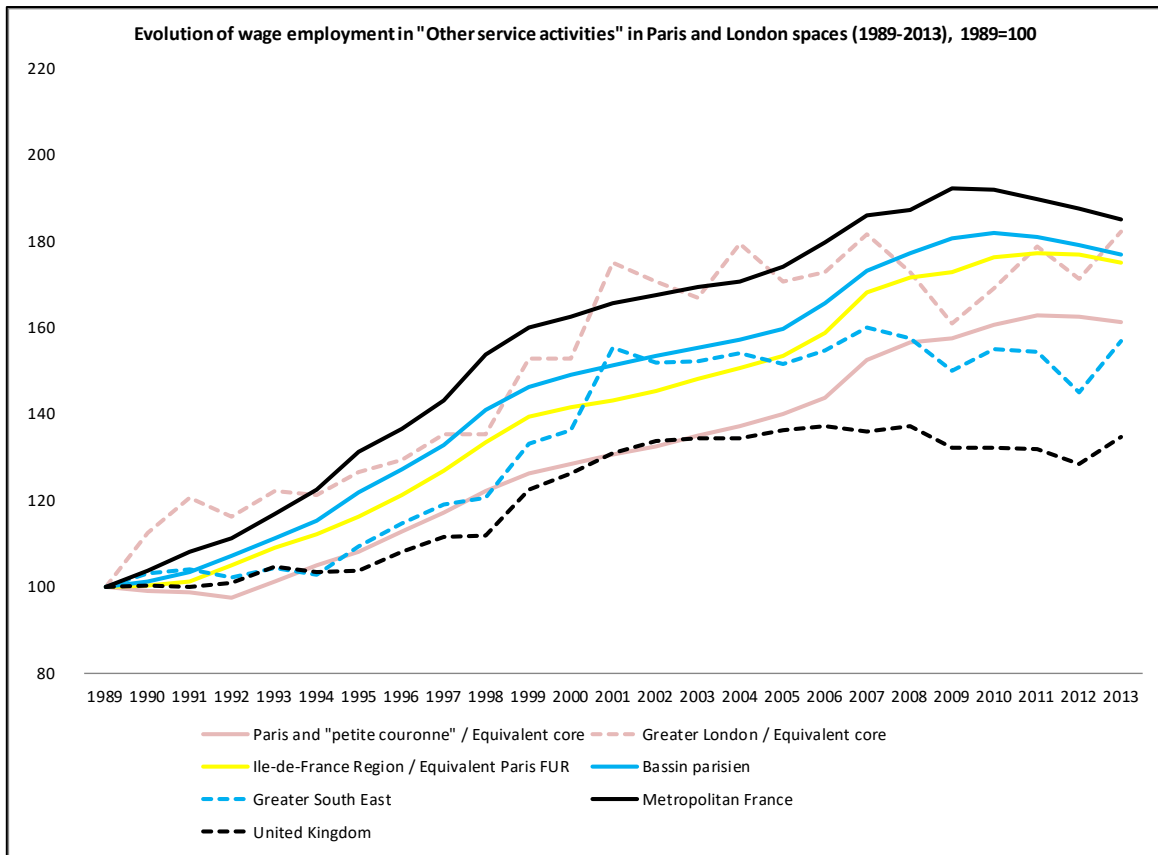
**Decomposition of wage employment by industry in Paris and London spaces (1989-2013), INSEE
and ONS data**

1989						2013					
Decomposition of wage employment by industry in Paris and London spaces											
Paris and petite couronne / Equivalent core	Greater London / Equivalent core	Région IDF / Equivalent Paris FUR	Basin parisien	Greater South East	Metropolitan France	United Kingdom	Paris and petite couronne / Equivalent core	Greater London / Equivalent core	Région IDF / Equivalent Paris FUR	Basin parisien	Greater South East
0%	0%	0%	1%	1%	1%	1%	0%	0%	0%	1%	1%
16%	10%	17%	21%	15%	23%	21%	6%	3%	8%	12%	6%
14%	9%	15%	20%	14%	21%	19%	5%	2%	7%	10%	5%
2%	1%	2%	2%	1%	2%	2%	1%	1%	1%	1%	1%
6%	5%	7%	7%	5%	7%	6%	4%	3%	5%	4%	4%
55%	62%	51%	44%	56%	40%	49%	65%	72%	61%	53%	65%
12%	15%	13%	13%	16%	13%	16%	11%	13%	12%	12%	15%
6%	7%	6%	6%	6%	6%	5%	6%	5%	6%	5%	5%
4%	5%	4%	3%	6%	3%	6%	6%	8%	5%	4%	7%
6%	6%	5%	3%	4%	2%	3%	9%	8%	7%	5%	6%
7%	9%	6%	5%	6%	4%	4%	7%	7%	6%	5%	4%
1%	1%	1%	1%	1%	1%	1%	2%	2%	1%	1%	2%
14%	16%	12%	10%	13%	8%	10%	19%	24%	17%	14%	20%
7%	8%	7%	5%	6%	4%	5%	11%	14%	9%	7%	10%
6%	8%	5%	5%	6%	4%	5%	8%	10%	8%	7%	9%
5%	4%	4%	4%	4%	3%	4%	7%	5%	7%	6%	5%
23%	23%	25%	27%	23%	30%	23%	24%	23%	26%	29%	25%
11%	7%	11%	10%	6%	11%	6%	10%	5%	11%	11%	4%
5%	7%	7%	7%	8%	8%	8%	6%	7%	6%	6%	9%
7%	9%	8%	9%	10%	11%	10%	8%	10%	9%	12%	12%
100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Agriculture, forestry and fishing						TOTAL					
Production						TOTAL					
of which mining and quarrying ; urban services (incl. electricity, gas, water and waste management)						TOTAL					
Construction						TOTAL					
Tertiaire marchand						TOTAL					
Distribution, transport ; accommodation and food						TOTAL					
of which distribution and transport						TOTAL					
of which accommodation and food						TOTAL					
Information and communication						TOTAL					
Financial and insurance activities						TOTAL					
Real estate activities						TOTAL					
Professional, Scientific and technical activities ; Administrative and support services						TOTAL					
of which Professional, Scientific and technical activities						TOTAL					
of which Administrative and support services						TOTAL					
Other services and household activities						TOTAL					
Tertiaire non marchand						TOTAL					
Public Administration						TOTAL					
Education						TOTAL					
Health and social activities						TOTAL					









Evolution of PCT Patent applications in Paris and London spaces (1990-2015)

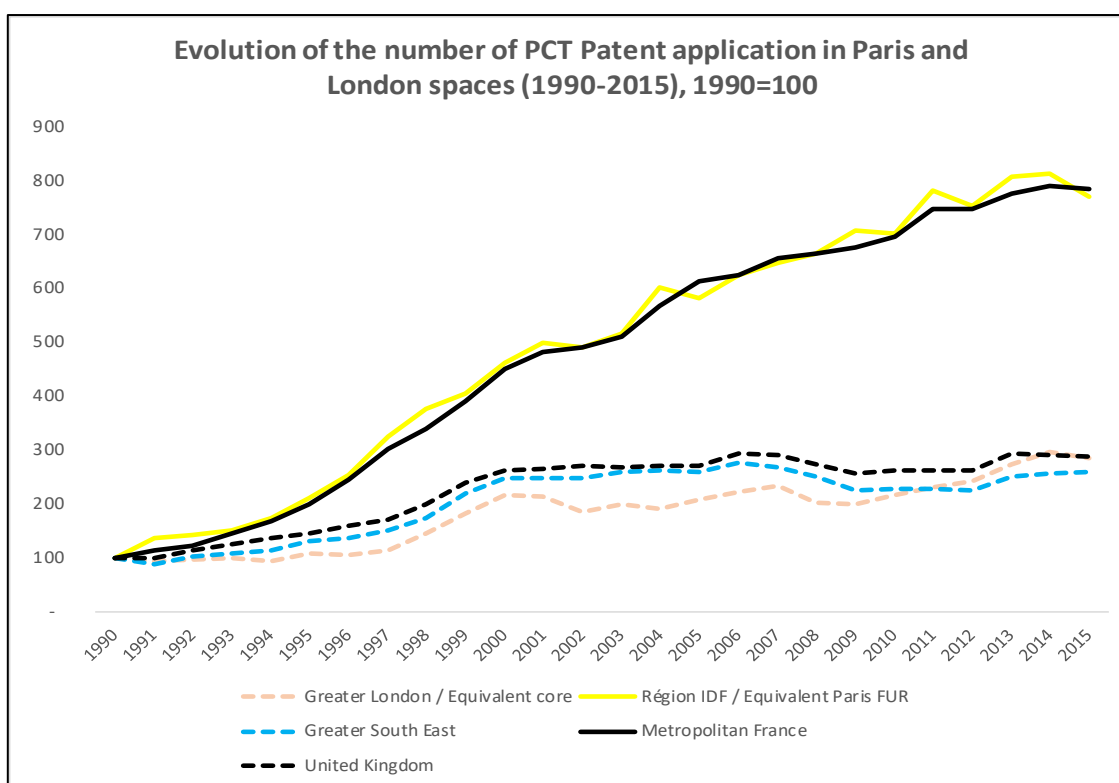
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Greater London / Equivalent core	296	280	287	296	283	325	313	338	433	538	641	635	548
Région IDF / Equivalent Paris FUR	377	514	535	570	655	801	963	1 222	1 422	1 532	1 748	1 885	1 854
Greater South East	1 201	1 082	1 242	1 324	1 389	1 573	1 658	1 833	2 112	2 636	2 980	2 984	3 003
Metropolitan France	1 034	1 173	1 286	1 517	1 749	2 067	2 528	3 122	3 519	4 059	4 672	4 976	5 065
United Kingdom	2 180	2 208	2 487	2 767	3 024	3 211	3 473	3 762	4 337	5 258	5 761	5 814	5 890

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Greater London / Equivalent core	593	567	618	661	692	597	593	640	685	720	811	879	845
Région IDF / Equivalent Paris FUR	1 952	2 274	2 190	2 357	2 438	2 503	2 667	2 644	2 944	2 836	3 040	3 069	2 905
Greater South East	3 117	3 171	3 124	3 344	3 235	3 032	2 725	2 759	2 752	2 697	3 023	3 084	3 111
Metropolitan France	5 287	5 889	6 337	6 461	6 787	6 883	6 989	7 200	7 739	7 723	8 026	8 169	8 102
United Kingdom	5 867	5 899	5 935	6 436	6 364	5 977	5 615	5 704	5 747	5 752	6 423	6 339	6 268

Evolution of PCT Patent applications in Paris and London spaces (1990-2015) per million people

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Greater London / Equivalent core	44	41	42	43	41	47	45	48	62	76	89	87	75
Région IDF / Equivalent Paris FUR	35	48	50	53	61	74	89	112	130	140	159	170	166
Greater South East	62	55	63	67	70	79	83	91	104	129	145	144	144
Metropolitan France	18	20	22	26	30	35	43	52	59	68	77	82	83
United Kingdom	38	39	43	48	52	55	60	65	74	90	98	99	99

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Greater London / Equivalent core	80	76	83	88	91	77	75	80	84	87	97	104	98
Région IDF / Equivalent Paris FUR	173	200	191	204	210	215	227	224	248	238	254	255	241
Greater South East	149	150	147	156	149	138	123	123	121	118	131	132	131
Metropolitan France	86	95	101	102	107	108	109	111	119	118	122	124	122
United Kingdom	99	99	99	106	104	97	91	91	91	91	101	99	97



Source : OECD

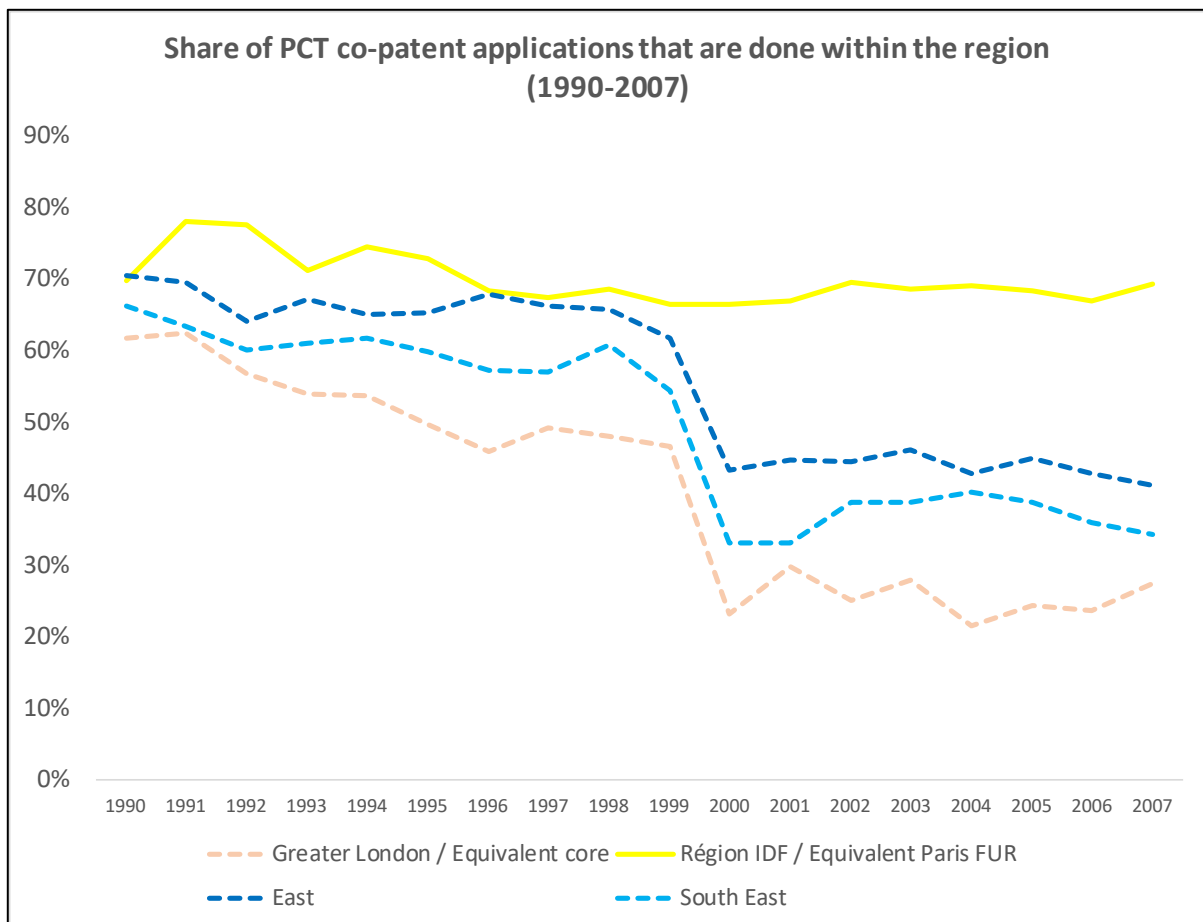
Evolution of the share of PCT patent application by industry

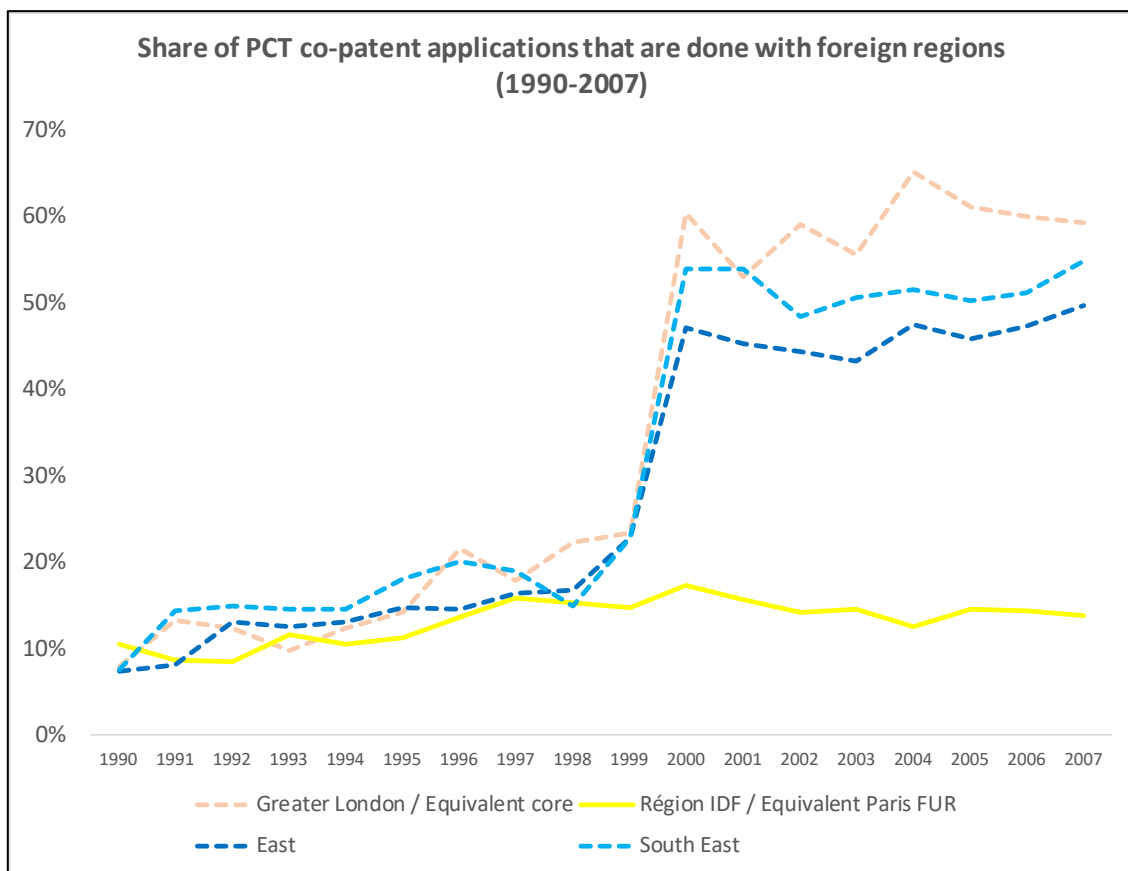
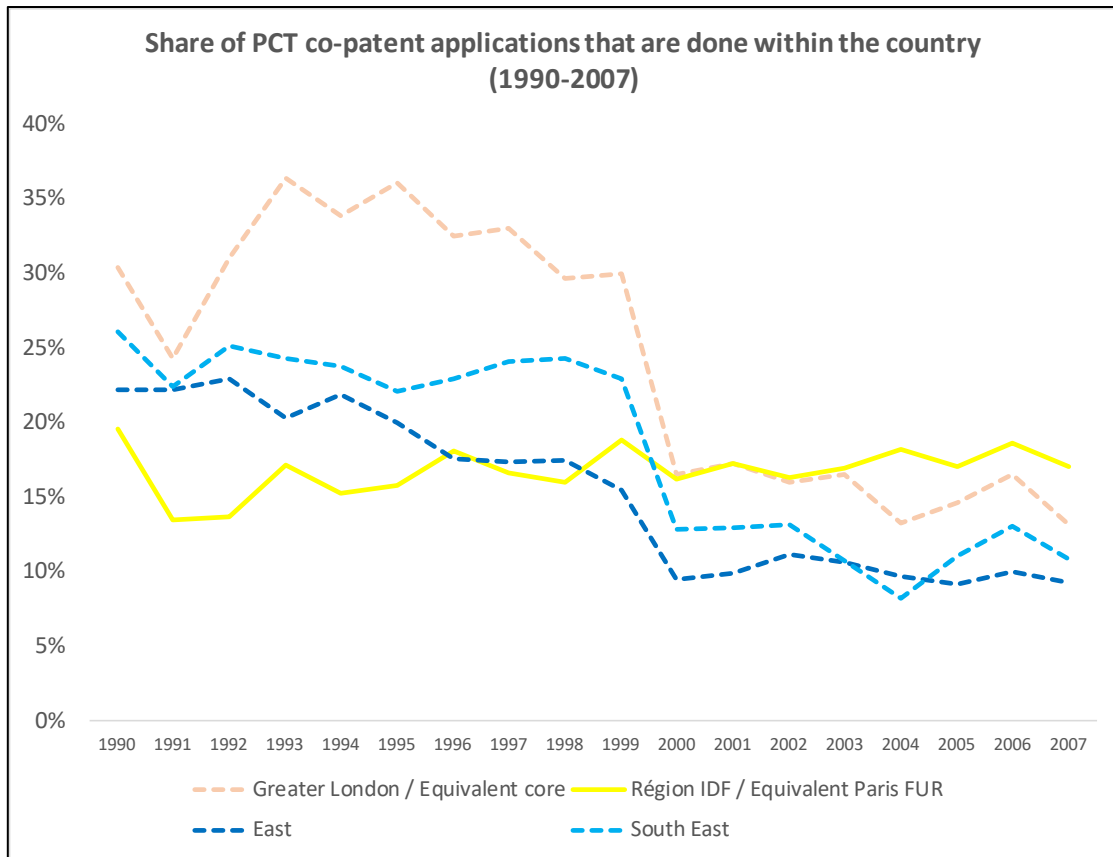
Total PCT Patent application					
	1990	2000	2005	2010	2015
Greater London / Equivalent core	296	641	618	640	845
Région IDF / Equivalent Paris FUR	377	1 748	2 190	2 644	2 905
Greater South East	1 201	2 980	3 124	2 759	3 111
Metropolitan France	1 034	4 672	6 337	7 200	8 102
United Kingdom	2 180	5 761	5 935	5 704	6 268
<i>Share in information and communication technologies</i>					
	1990	2000	2005	2010	2015
Greater London / Equivalent core	20%	49%	42%	46%	47%
Région IDF / Equivalent Paris FUR	26%	40%	39%	31%	30%
Greater South East	32%	46%	43%	40%	41%
Metropolitan France	22%	32%	33%	29%	28%
United Kingdom	27%	38%	35%	32%	33%
<i>Share in medical</i>					
	1990	2000	2005	2010	2015
Greater London / Equivalent core	11%	6%	10%	8%	10%
Région IDF / Equivalent Paris FUR	6%	4%	5%	4%	6%
Greater South East	6%	8%	8%	8%	10%
Metropolitan France	8%	6%	6%	5%	6%
United Kingdom	7%	8%	8%	11%	10%
<i>Share in pharmaceuticals</i>					
	1990	2000	2005	2010	2015
Greater London / Equivalent core	22%	18%	15%	10%	11%
Région IDF / Equivalent Paris FUR	15%	13%	8%	7%	6%
Greater South East	17%	18%	16%	11%	10%
Metropolitan France	10%	10%	8%	6%	5%
United Kingdom	11%	14%	13%	8%	8%
<i>Share in nanotech</i>					
	1990	2000	2005	2010	2015
Greater London / Equivalent core	0,3%	0,7%	0,9%	1,1%	0,3%
Région IDF / Equivalent Paris FUR	0,0%	1,0%	1,1%	1,0%	0,4%
Greater South East	0,2%	0,6%	1,0%	1,1%	0,4%
Metropolitan France	0,1%	0,8%	1,3%	1,3%	0,3%
United Kingdom	0,2%	0,6%	1,0%	1,0%	0,3%
<i>Share in biotechs</i>					
	1990	2000	2005	2010	2015
Greater London / Equivalent core	14%	18%	15%	11%	11%
Région IDF / Equivalent Paris FUR	18%	11%	6%	6%	7%
Greater South East	10%	13%	10%	9%	11%
Metropolitan France	11%	9%	5%	7%	7%
United Kingdom	8%	11%	9%	7%	8%

Source : OECD

Share of PCT co-patent applications that are done within the region, within the country or with foreign regions (1990-2015)

<i>Share of PCT co-patent applications that are done within the region</i>	1990	1995	2000	2005	2007	2010	2015
Greater London / Approached core	62%	50%	23%	25%	28%	34%	49%
Région IDF / Approached Paris FUR	70%	73%	66%	68%	69%	NA	NA
East	71%	65%	43%	45%	41%	37%	46%
South East	66%	60%	33%	39%	34%	34%	45%
<i>Share of PCT co-patent applications that are done within the country</i>							
	1990	1995	2000	2005	2007	2010	2015
Greater London / Approached core	30%	36%	17%	15%	13%	10%	8%
Région IDF / Approached Paris FUR	20%	16%	16%	17%	17%	NA	NA
East	22%	20%	10%	9%	9%	11%	5%
South East	26%	22%	13%	11%	11%	9%	8%
<i>Share of PCT co-patent applications that are done with foreign regions</i>							
	1990	1995	2000	2005	2007	2010	2015
Greater London / Approached core	8%	14%	60%	61%	59%	56%	44%
Région IDF / Approached Paris FUR	11%	11%	17%	15%	14%	NA	NA
East	7%	15%	47%	46%	50%	52%	49%
South East	8%	18%	54%	50%	55%	57%	47%





Evolution of R&D Expenditures by share of GDP in Paris and London spaces and decomposition by performing sector

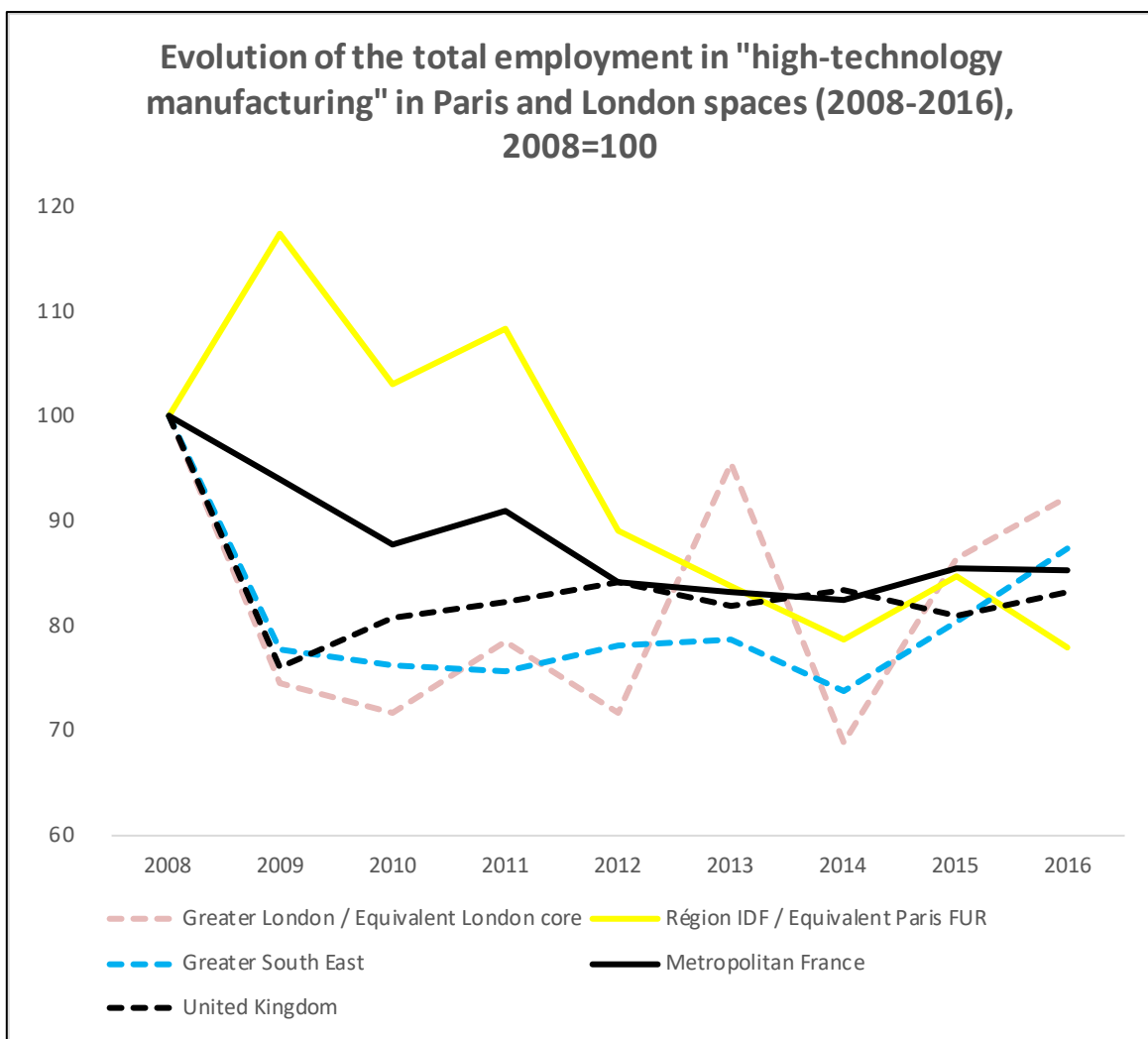
Total R&D Expenditure (% of GDP)											
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Greater London / Equivalent core	0,8%	0,9%	0,9%	0,9%	0,9%	0,9%	1,0%	1,0%	1,0%	1,0%	1,1%
Région IDF / Equivalent Paris FUR	NA	2,9%	2,9%	2,8%	3,0%	2,9%	3,0%	2,9%	2,9%	NA	NA
East	3,6%	4,0%	4,2%	4,0%	4,0%	4,0%	3,5%	3,3%	3,6%	3,6%	3,5%
South East	2,3%	2,3%	2,4%	2,2%	2,4%	2,4%	2,7%	2,4%	2,4%	2,4%	2,3%
Metropolitan France	2,0%	2,1%	2,0%	2,1%	2,2%	2,2%	2,2%	2,2%	2,2%	2,2%	2,3%
United Kingdom	1,6%	1,6%	1,6%	1,6%	1,7%	1,7%	1,7%	1,6%	1,7%	1,7%	1,7%
<i>Share performed by the Business</i>											
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Greater London / Equivalent core	28%	35%	37%	35%	31%	28%	34%	39%	35%	42%	42%
Région IDF / Equivalent Paris FUR	NA	66%	66%	66%	65%	65%	67%	69%	69%	NA	NA
East	79%	82%	82%	81%	79%	76%	77%	76%	77%	77%	76%
South East	72%	71%	71%	69%	69%	66%	70%	68%	68%	69%	72%
Metropolitan France	62%	63%	63%	63%	62%	63%	64%	65%	65%	65%	64%
United Kingdom	62%	62%	63%	62%	60%	61%	63%	64%	64%	65%	66%
<i>Share performed by the Government sector</i>											
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Greater London / Equivalent core	13%	11%	10%	10%	11%	11%	9%	9%	8%	8%	10%
Région IDF / Equivalent Paris FUR	NA	15%	15%	15%	15%	15%	14%	13%	13%	NA	NA
East	9%	7%	7%	8%	8%	7%	4%	5%	4%	4%	4%
South East	12%	13%	12%	14%	13%	14%	13%	13%	14%	12%	9%
Metropolitan France	18%	17%	16%	16%	16%	14%	14%	13%	13%	13%	13%
United Kingdom	11%	10%	9%	9%	9%	10%	8%	8%	8%	7%	7%
<i>Share performed by the Higher Education Sector</i>											
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Greater London / Equivalent core	57%	53%	53%	55%	59%	57%	54%	50%	53%	47%	45%
Région IDF / Equivalent Paris FUR	NA	18%	18%	18%	18%	18%	18%	17%	17%	NA	NA
East	12%	11%	11%	12%	13%	12%	14%	15%	14%	14%	NA
South East	56%	56%	57%	61%	62%	59%	53%	58%	60%	60%	NA
Metropolitan France	19%	19%	19%	20%	21%	22%	21%	21%	21%	21%	22%
United Kingdom	26%	26%	26%	26%	28%	27%	26%	27%	27%	26%	25%

Source : OECD

Evolution of total employment in "high-technology manufacturing" in Paris and London spaces (2008-2016), thousands

	2008	2009	2010	2011	2012	2013	2014	2015	2016
Greater London / Equivalent London core	29	22	21	23	21	28	20	25	27
Région IDF / Equivalent Paris FUR	66	78	68	72	59	55	52	56	51
Greater South East	170	132	130	129	133	134	125	137	149
Metropolitan France	307	289	270	280	258	255	253	263	262
United Kingdom	361	275	292	297	304	296	302	292	301

Share of jobs in high-technology manufacturing	2008	2009	2010	2011	2012	2013	2014	2015	2016
Greater London / Equivalent London core	0,76%	0,57%	0,55%	0,59%	0,52%	0,68%	0,47%	0,57%	0,59%
Région IDF / Equivalent Paris FUR	1,24%	1,48%	1,32%	1,37%	1,12%	1,05%	0,99%	1,07%	0,97%
Greater South East	1,56%	1,23%	1,20%	1,18%	1,20%	1,19%	1,08%	1,16%	1,23%
Metropolitan France	1,16%	1,10%	1,03%	1,06%	0,98%	0,97%	0,96%	0,99%	0,98%
United Kingdom	1,22%	0,94%	1,00%	1,01%	1,03%	0,99%	0,98%	0,94%	0,95%

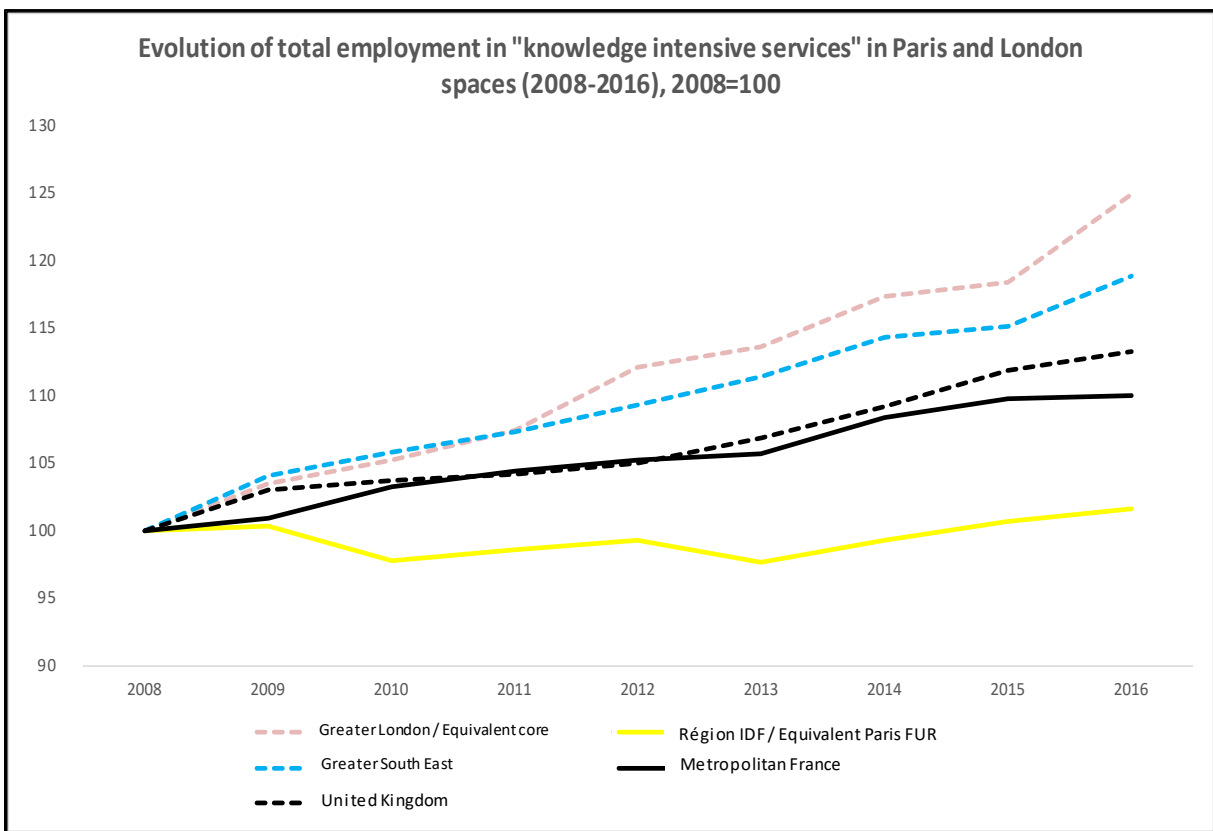


Source : OECD

Evolution of total employment in “knowledge-intensive services” in Paris and London spaces (2008-2016), thousands

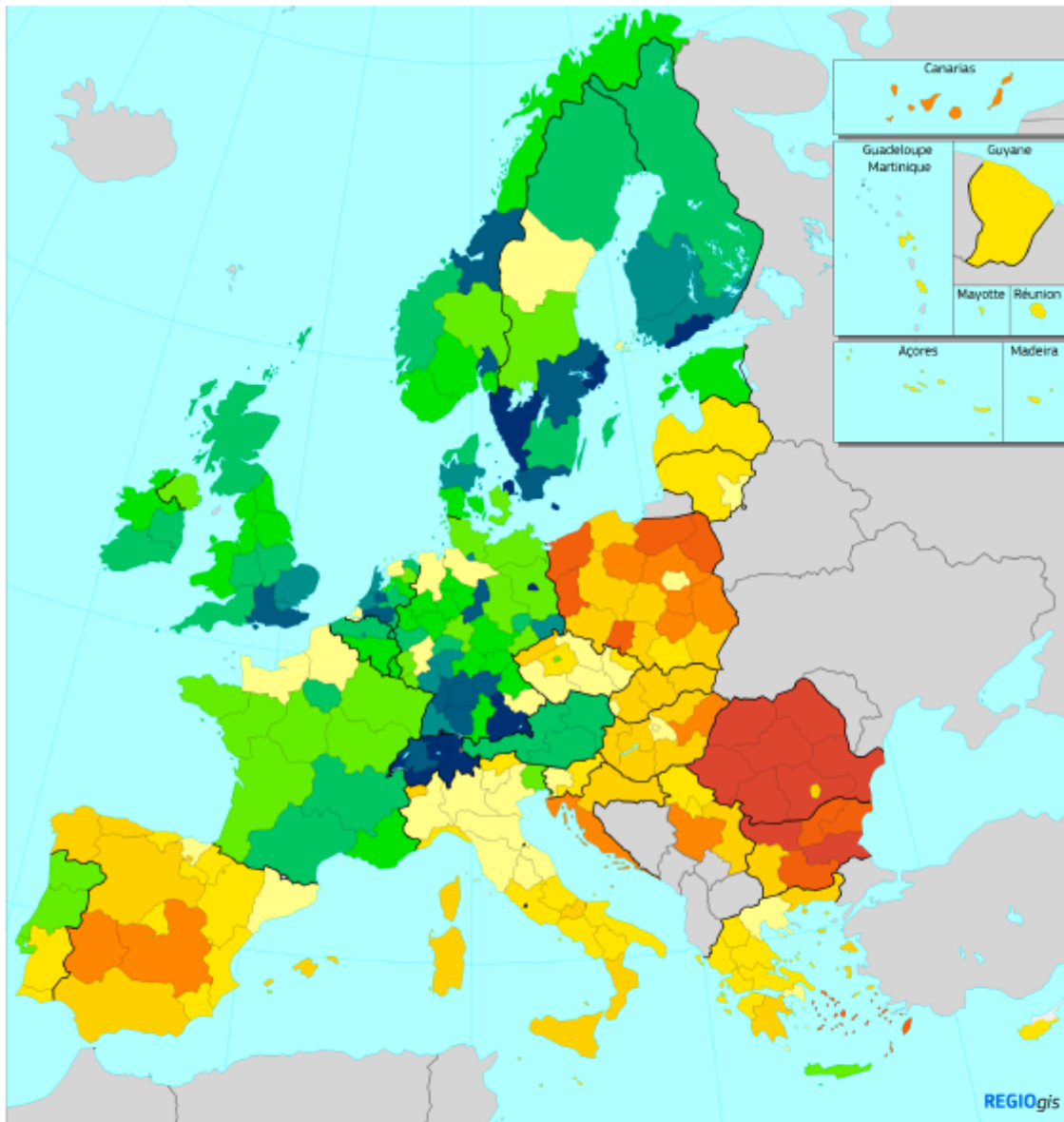
	2008	2009	2010	2011	2012	2013	2014	2015	2016
Greater London / Equivalent London core	2 109	2 183	2 220	2 268	2 365	2 396	2 477	2 499	2 636
Région IDF / Equivalent Paris FUR	2 759	2 769	2 697	2 721	2 739	2 696	2 742	2 779	2 803
Greater South East	5 393	5 616	5 706	5 791	5 897	6 010	6 167	6 214	6 410
Metropolitan France	11 130	11 238	11 497	11 627	11 722	11 765	12 064	12 222	12 250
United Kingdom	13 614	14 037	14 128	14 188	14 296	14 547	14 864	15 233	15 431

Share of jobs in knowledge-intensive services	2008	2009	2010	2011	2012	2013	2014	2015	2016
Greater London / Equivalent London core	55%	58%	58%	59%	60%	58%	58%	57%	58%
Région IDF / Equivalent Paris FUR	52%	53%	52%	52%	52%	51%	52%	53%	53%
Greater South East	50%	52%	53%	53%	53%	53%	53%	53%	53%
Metropolitan France	42%	43%	44%	44%	44%	45%	46%	46%	46%
United Kingdom	46%	48%	49%	48%	48%	49%	48%	49%	49%



Source : OECD

The regional performance group of European regions in the 2019 Regional Innovation Scoreboard



Regional performance groups



Source: European Commission - Regional Innovation Scoreboard 2019

For Cyprus, Estonia, Latvia, Luxembourg and Malta, performance group membership is identical to that in the RIS 2019 report. For these countries, the corresponding colour codes for middle one-third regions have been used.

Occurrence of regional performance groups by country in the 2019 EU Regional Innovation Scoreboard

	Performance group EIS 2019	Regional Innovation Leaders			Regional Strong Innovators			Regional Moderate Innovators			Regional Modest Innovators		
		+		-	+		-	+		-	+		-
		12	13	13	24	24	25	32	32	33	10	10	10
Switzerland	Innovation Leader	6	1										
Sweden	Innovation Leader	2	2		2		1	1					
Finland	Innovation Leader	1		2	1			1					
Denmark	Innovation Leader	1		1	1	1	1						
Netherlands	Innovation Leader		2	2	3	2	1	2					
Luxembourg	Strong Innovator												
Belgium	Strong Innovator			1	1	1							
United Kingdom	Strong Innovator		1	2	4	4	1						
Norway	Strong Innovator		2		1	3	1						
Germany	Strong Innovator	2	5	5	3	11	8	4					
Austria	Strong Innovator				3								
Ireland	Strong Innovator				2	1							
France	Strong Innovator				3	1	6	2	1	1			
Estonia	Strong Innovator												
Portugal	Moderate Innovator						3		4				
Czechia	Moderate Innovator						1	4	2	1			
Slovenia	Moderate Innovator							1	1				
Cyprus	Moderate Innovator												
Malta	Moderate Innovator												
Italy	Moderate Innovator						1	8	7	5			
Spain	Moderate Innovator							2	7	5	3	1	1
Greece	Moderate Innovator						1	2	6	3		1	
Lithuania	Moderate Innovator							1	1				
Slovakia	Moderate Innovator							1		3			
Hungary	Moderate Innovator							2		5	1		
Latvia	Moderate Innovator												
Serbia	Moderate Innovator								2	1	1		
Poland	Moderate Innovator							1	1	6	4	5	
Croatia	Moderate Innovator									1	1		
Bulgaria	Modest Innovator									1		3	2
Romania	Modest Innovator									1			7

Source: EU 2019 Regional Innovation Scoreboard

The 2019 Regional Innovation Scoreboard from the European Union
Relative performance to EU in "2011"

Regional Innovation Scoreboard 2019 - Relative Performance to EU in "2011"			RII2011	RII2013	RII2015	RII2017	RII2019
EU28			100,0	101,2	101,0	102,0	104,7
1	CH04	Zürich	174,1	168,8	169,1	171,5	167,6
2	CH07	Ticino	146,7	148,1	143,1	149,7	164,2
3	FI1B	Helsinki-Uusimaa	150,6	157,3	152,0	149,7	163,4
4	SE11	Stockholm	160,9	167,0	163,0	161,8	161,1
5	DK01	Hovedstaden	164,3	169,9	169,3	159,0	158,1
6	CH05	Ostschweiz	143,1	146,9	146,4	149,4	157,3
7	CH03	Nordwestschweiz	165,6	161,3	165,6	160,9	156,6
8	CH06	Zentralschweiz	156,5	154,0	149,7	150,5	152,9
9	DE30	Berlin	136,6	142,8	143,3	142,3	152,3
10	CH01	Région lémanique	147,7	145,7	148,8	147,3	147,3
11	DE21	Oberbayern	153,6	161,3	150,9	148,6	147,1
12	SE23	Västsverige	142,5	149,7	152,8	145,1	145,4
13	SE22	Sydsverige	155,7	156,4	152,3	151,1	143,4
14	DE12	Karlsruhe	152,3	153,7	150,4	140,3	143,3
15	NO06	Trøndelag	125,1	127,4	134,9	144,5	143,2
16	NO01	Oslo og Akershus	125,0	126,7	122,1	135,3	141,9
17	CH02	Espace Mittelland	135,2	133,0	134,3	134,8	141,2
18	NL31	Utrecht	126,9	137,1	137,0	137,6	141,2
19	DE14	Tübingen	148,3	147,7	140,1	143,3	139,1
20	SE12	Ostra Mellansverige	145,6	150,8	138,4	140,3	138,1
21	DE91	Braunschweig	127,4	134,1	132,1	125,1	137,0
22	UKJ	South East	122,0	123,8	125,9	137,7	136,0
23	DE11	Stuttgart	143,1	145,2	141,2	137,4	135,6
24	NL41	Noord-Brabant	128,7	137,8	135,9	131,2	135,2
25	DE25	Mittelfranken	138,7	146,5	134,5	132,0	133,5
26	DK04	Midtjylland	135,5	141,1	137,7	135,8	133,3
27	DEB3	Rheinessen-Pfalz	140,3	143,3	140,4	126,9	132,5
28	FI19	Länsi-Suomi	127,5	125,0	122,6	124,2	130,4
29	DE13	Freiburg	140,3	142,5	139,7	131,2	129,3
30	UKH	East of England	125,3	127,5	121,3	129,3	129,0
31	NL32	Noord-Holland	119,0	129,1	126,5	126,0	128,7
32	DE71	Darmstadt	131,1	138,1	131,8	125,0	128,6
33	DE60	Hamburg	123,8	132,2	133,1	119,7	128,1
34	DED2	Dresden	129,0	133,5	125,9	114,9	127,7
35	BE1	Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest	114,2	126,0	113,4	114,0	127,7
36	UKI	London	116,8	119,6	129,3	133,2	127,4
37	NL33	Zuid-Holland	117,0	126,9	127,9	126,1	127,2
38	FI1C	Etelä-Suomi	116,2	121,1	117,3	118,0	126,5
39	AT3	Westösterreich	110,5	116,8	115,8	119,0	125,5
40	BE2	Vlaams Gewest	122,9	120,7	123,0	124,1	125,1
41	UKK	South West	114,1	114,6	119,3	118,7	124,7
42	NL22	Gelderland	115,3	127,1	125,5	122,6	124,4
43	NL42	Limburg	111,9	124,6	120,4	118,5	123,7
44	DEA2	Köln	129,1	131,9	127,2	128,7	123,0
45	FI1D	Pohjois- ja Itä-Suomi	112,3	124,0	116,2	117,8	122,9
46	NO05	Vestlandet	104,3	106,9	102,4	119,5	122,8
47	FR1	Île de France	125,3	125,6	126,9	128,7	122,0
48	AT2	Südösterreich	112,5	113,9	116,8	121,5	121,7
49	UKG	West Midlands	98,5	102,8	106,4	115,8	121,1
50	FRK	Auvergne - Rhône-Alpes	117,1	117,8	123,7	124,1	120,8

Source : Regional Innovation Scoreboard 2019

The 2019 Regional Innovation Scoreboard from the European Union
Performance groups

Regional Innovation Scoreboard 2019 - Performance Groups			"2011" - score relative to EU 2011	"2019" - score relative to EU 2011	"2019" - score relative to EU 2019	Performance group
EU28			100,0	104,7	100,0	--
1	CH04	Zürich	174,1	167,6	160,1	Leader +
2	CH07	Ticino	146,7	164,2	156,8	Leader +
3	FI1B	Helsinki-Uusimaa	150,6	163,4	156,0	Leader +
4	SE11	Stockholm	160,9	161,1	153,8	Leader +
5	DK01	Hovedstaden	164,3	158,1	151,0	Leader +
6	CH05	Ostschweiz	143,1	157,3	150,2	Leader +
7	CH03	Nordwestschweiz	165,6	156,6	149,6	Leader +
8	CH06	Zentralschweiz	156,5	152,9	146,1	Leader +
9	DE30	Berlin	136,6	152,3	145,4	Leader +
10	CH01	Région lémanique	147,7	147,3	140,7	Leader +
11	DE21	Oberbayern	153,6	147,1	140,4	Leader +
12	SE23	Västsverige	142,5	145,4	138,8	Leader +
13	SE22	Sydsverige	155,7	143,4	137,0	Leader
14	DE12	Karlsruhe	152,3	143,3	136,9	Leader
15	NO06	Trøndelag	125,1	143,2	136,8	Leader
16	NO01	Oslo og Akershus	125,0	141,9	135,6	Leader
17	CH02	Espace Mittelland	135,2	141,2	134,8	Leader
18	NL31	Utrecht	126,9	141,2	134,8	Leader
19	DE14	Tübingen	148,3	139,1	132,9	Leader
20	SE12	Östra Mellansverige	145,6	138,1	131,9	Leader
21	DE91	Braunschweig	127,4	137,0	130,8	Leader
22	UKJ	South East	122,0	136,0	129,9	Leader
23	DE11	Stuttgart	143,1	135,6	129,5	Leader
24	NL41	Noord-Brabant	128,7	135,2	129,1	Leader
25	DE25	Mittelfranken	138,7	133,5	127,5	Leader
26	DK04	Midtjylland	135,5	133,3	127,3	Leader -
27	DEB3	Rhein Hessen-Pfalz	140,3	132,5	126,5	Leader -
28	FI19	Länsi-Suomi	127,5	130,4	124,5	Leader -
29	DE13	Freiburg	140,3	129,3	123,5	Leader -
30	UKH	East of England	125,3	129,0	123,2	Leader -
31	NL32	Noord-Holland	119,0	128,7	123,0	Leader -
32	DE71	Darmstadt	131,1	128,6	122,8	Leader -
33	DE60	Hamburg	123,8	128,1	122,4	Leader -
34	DED2	Dresden	129,0	127,7	121,9	Leader -
35	BE1	Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest	114,2	127,7	121,9	Leader -
36	UKI	London	116,8	127,4	121,6	Leader -
37	NL33	Zuid-Holland	117,0	127,2	121,5	Leader -
38	FI1C	Etelä-Suomi	116,2	126,5	120,8	Leader -
39	AT3	Westösterreich	110,5	125,5	119,9	Strong +
40	BE2	Vlaams Gewest	122,9	125,1	119,4	Strong +
41	UKK	South West	114,1	124,7	119,1	Strong +
42	NL22	Gelderland	115,3	124,4	118,8	Strong +
43	NL42	Limburg	111,9	123,7	118,2	Strong +
44	DEA2	Köln	129,1	123,0	117,4	Strong +
45	FI1D	Pohjois- ja Itä-Suomi	112,3	122,9	117,4	Strong +
46	NO05	Vestlandet	104,3	122,8	117,3	Strong +
47	FR1	Île de France	125,3	122,0	116,5	Strong +
48	AT2	Südösterreich	112,5	121,7	116,2	Strong +
49	UKG	West Midlands	98,5	121,1	115,6	Strong +
50	FRK	Auvergne - Rhône-Alpes	117,1	120,8	115,4	Strong +

Source : Regional Innovation Scoreboard 2019

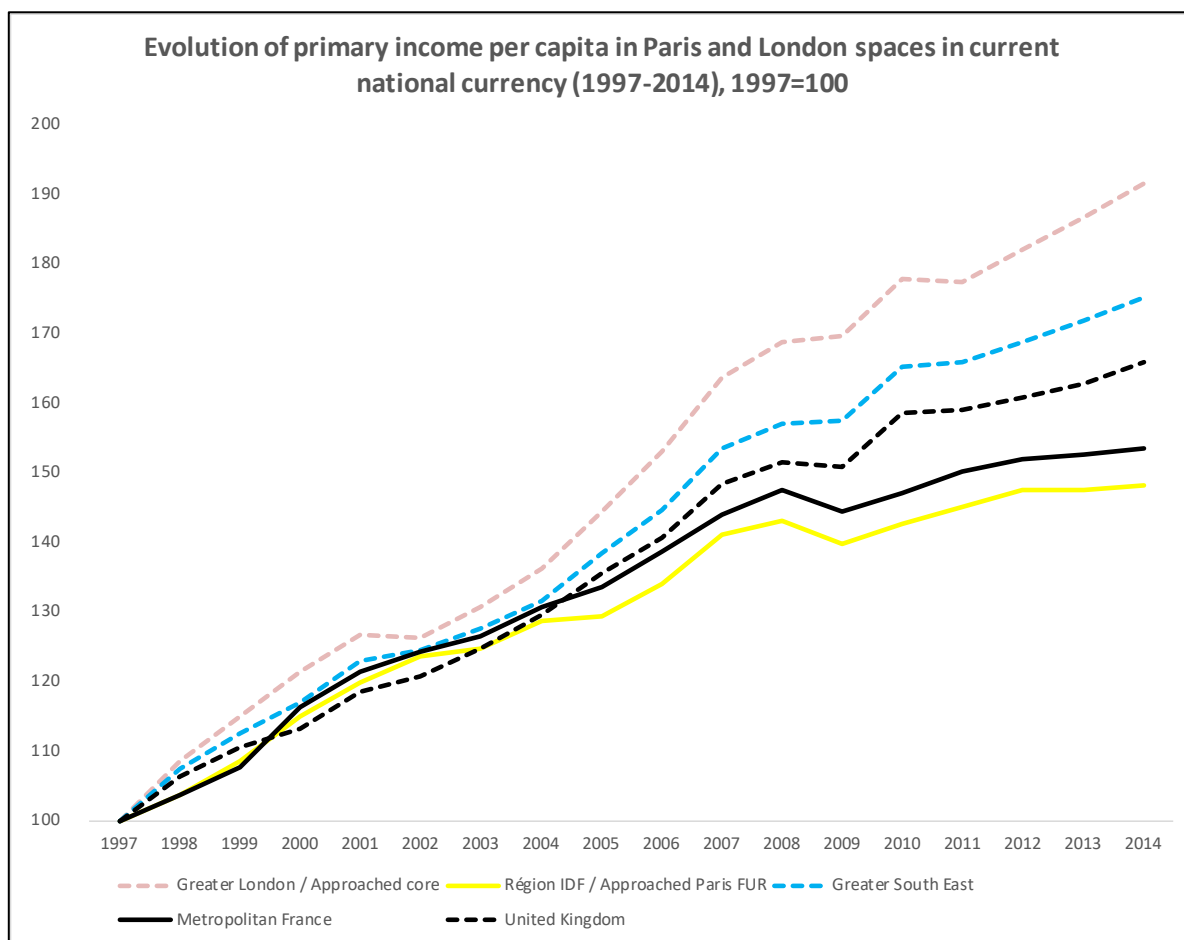
The 2019 Regional Innovation Scoreboard from the European Union – 2019 Indicators for French and British Regions

Regional Innovation Scoreboard 2019 - Normalised scores by indicator, most recent year		Population with tertiary education	Lifelong learning	Scientific publications	Most-cited publications	R&D expenditure public sector	R&D expenditure business sector	Non-R&D innovation expenditures	Product or process innovators	Marketing or organisational innovators
France										
FR	Ile de France	0.812	0.524	0.723	0.556	0.651	0.733	0.413	0.573	0.638
FR	Centre - Val de Loire	0.415	0.539	0.378	0.502	0.458	0.551	0.743	0.543	0.595
FR	Bourgogne - Franche-Comté	0.384	0.512	0.382	0.542	0.396	0.585	0.632	0.581	0.583
FR	Normandie	0.309	0.481	0.329	0.642	0.329	0.516	0.695	0.507	0.504
FR	Nord-Pas de Calais - Picardie	0.377	0.466	0.383	0.543	0.418	0.403	0.452	0.479	0.509
FR	Alsace - Champagne-Ardenne - Lorraine	0.422	0.497	0.493	0.520	0.535	0.410	0.592	0.521	0.589
FR	Pays de la Loire	0.609	0.636	0.425	0.497	0.434	0.445	0.483	0.548	0.604
FR	Bretagne	0.454	0.605	0.493	0.516	0.608	0.569	0.672	0.468	0.511
FR	Aquitaine - Limousin - Poitou-Charentes	0.530	0.578	0.441	0.452	0.480	0.441	0.682	0.499	0.548
FR	Languedoc-Roussillon - Midi-Pyrénées	0.512	0.633	0.631	0.557	0.878	0.780	0.573	0.613	0.675
FR	Auvergne - Rhone-Alpes	0.539	0.696	0.622	0.543	0.697	0.659	0.703	0.608	0.643
FR	Provence-Alpes-Cote d'Azur	0.510	0.466	0.563	0.545	0.692	0.635	0.487	0.528	0.651
FR	Corse	0.320	0.221	0.194	0.496	0.313	0.064	0.510	0.412	0.528
United Kingdom										
UK	North East	0.445	0.357	0.648	0.481	0.474	0.356	0.605	0.481	0.512
UK	North West	0.528	0.406	0.499	0.678	0.440	0.571	0.587	0.479	0.518
UK	Yorkshire and The Humber	0.481	0.424	0.612	0.662	0.480	0.381	0.606	0.530	0.471
UK	East Midlands	0.494	0.400	0.551	0.620	0.404	0.623	0.559	0.591	0.551
UK	West Midlands	0.458	0.342	0.536	0.731	0.378	0.536	0.596	0.622	0.510
UK	East of England	0.465	0.381	0.745	0.881	0.608	0.657	0.246	0.630	0.578
UK	London	0.928	0.460	0.912	0.815	0.485	0.344	0.800	0.450	0.519
UK	South East	0.600	0.466	0.775	0.759	0.552	0.654	0.500	0.642	0.546
UK	South West	0.575	0.478	0.597	0.739	0.446	0.520	0.582	0.542	0.542
UK	Wales	0.447	0.406	0.576	0.621	0.428	0.399	1.000	0.511	0.564
UK	Scotland	0.776	0.406	0.788	0.705	0.419	0.419	0.558	0.506	0.564
UK	Northern Ireland	0.377	0.275	0.547	0.595	0.416	0.546	0.569	0.487	0.540
Regional Innovation Scoreboard 2019 - Normalised scores by indicator, most recent year										
France										
FR	Ile de France	0.581	0.480	0.569	0.531	0.446	0.475	0.493	0.360	0.360
FR	Centre - Val de Loire	0.513	0.453	0.336	0.430	0.137	0.231	0.309	0.502	0.502
FR	Bourgogne - Franche-Comté	0.554	0.452	0.284	0.402	0.161	0.409	0.411	0.478	0.478
FR	Normandie	0.464	0.442	0.269	0.396	0.115	0.331	0.428	0.535	0.535
FR	Nord-Pas de Calais - Picardie	0.463	0.337	0.300	0.364	0.155	0.392	0.358	0.361	0.361
FR	Alsace - Champagne-Ardenne - Lorraine	0.500	0.345	0.349	0.371	0.230	0.272	0.366	0.655	0.655
FR	Pays de la Loire	0.541	0.497	0.361	0.322	0.155	0.451	0.452	0.407	0.407
FR	Bretagne	0.472	0.412	0.377	0.520	0.229	0.265	0.313	0.543	0.543
FR	Aquitaine - Limousin - Poitou-Charentes	0.482	0.422	0.356	0.337	0.257	0.333	0.325	0.596	0.596
FR	Languedoc-Roussillon - Midi-Pyrénées	0.603	0.605	0.467	0.416	0.213	0.388	0.460	0.487	0.487
FR	Auvergne - Rhone-Alpes	0.607	0.534	0.490	0.691	0.251	0.430	0.448	0.504	0.504
FR	Provence-Alpes-Cote d'Azur	0.529	0.414	0.414	0.430	0.311	0.336	0.403	0.646	0.646
FR	Corse	0.346	0.124	0.088	0.074	0.148	0.159	--	0.271	0.271
United Kingdom										
UK	North East	0.492	0.944	0.280	0.467	0.114	0.238	0.460	1.000	1.000
UK	North West	0.489	0.939	0.470	0.627	0.204	0.189	0.460	0.934	0.934
UK	Yorkshire and The Humber	0.542	1.000	0.431	0.360	0.370	0.459	0.370	0.783	0.783
UK	East Midlands	0.604	0.980	0.470	0.357	0.254	0.325	0.481	1.000	1.000
UK	West Midlands	0.828	1.000	0.314	0.445	0.304	0.341	0.485	1.000	1.000
UK	East of England	0.637	1.000	0.688	0.610	0.357	0.392	0.538	0.380	0.380
UK	London	0.453	0.891	0.558	0.270	0.625	0.439	0.783	0.722	0.722
UK	South East	0.655	1.000	0.638	0.473	0.378	0.444	0.640	1.000	1.000
UK	South West	0.543	1.000	0.384	0.484	0.295	0.384	0.489	1.000	1.000
UK	Wales	0.522	0.968	0.313	0.313	0.158	0.210	0.338	1.000	1.000
UK	Scotland	0.517	1.000	0.355	0.309	0.208	0.187	0.379	0.966	0.966
UK	Northern Ireland	0.498	0.820	0.276	0.232	0.191	0.207	0.403	0.645	0.645

Evolution of Primary Income (total and per capita) in Paris and London spaces in current national currency (1997-2014)

Primary income (millions of national currency)	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	101 165	110 628	118 598	126 621	133 804	134 216	139 374	146 055	156 566
Région IDF / Equivalent Paris FUR	224 097	232 881	244 280	260 812	273 617	284 405	288 939	300 650	304 555
Greater South East	271 700	293 685	310 232	325 423	344 096	350 267	360 713	374 421	397 400
Metropolitan France	864 342	899 484	936 742	1 017 980	1 069 360	1 103 530	1 131 460	1 176 270	1 211 540
United Kingdom	662 543	706 534	736 936	757 623	795 726	813 597	845 348	882 401	930 883
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	167 601	181 570	190 060	194 253	206 816	209 961	218 030	226 500	235 965
Région IDF / Equivalent Paris FUR	317 769	336 379	343 015	336 981	345 538	353 695	360 939	363 017	366 605
Greater South East	418 958	449 657	465 135	471 347	500 637	508 315	522 605	537 387	553 895
Metropolitan France	1 267 040	1 323 760	1 362 860	1 341 120	1 372 220	1 408 890	1 431 640	1 446 060	1 462 200
United Kingdom	972 177	1 033 300	1 063 760	1 066 540	1 129 920	1 143 770	1 164 300	1 186 150	1 217 640

Primary income per capita (national currency)	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	14 422	15 657	16 578	17 497	18 273	18 195	18 848	19 650	20 823
Région IDF / Equivalent Paris FUR	20 568	21 341	22 317	23 667	24 644	25 426	25 638	26 488	26 617
Greater South East	13 494	14 498	15 172	15 796	16 586	16 796	17 212	17 767	18 671
Metropolitan France	14 873	15 429	16 014	17 295	18 043	18 489	18 826	19 441	19 873
United Kingdom	11 362	12 083	12 558	12 866	13 461	13 705	14 175	14 719	15 409
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	22 059	23 601	24 329	24 457	25 655	25 591	26 242	26 909	27 633
Région IDF / Equivalent Paris FUR	27 554	29 001	29 420	28 732	29 317	29 840	30 335	30 353	30 480
Greater South East	19 509	20 723	21 194	21 246	22 303	22 373	22 781	23 201	23 640
Metropolitan France	20 636	21 422	21 934	21 470	21 863	22 338	22 590	22 702	22 837
United Kingdom	15 983	16 851	17 206	17 130	18 004	18 073	18 276	18 503	18 850

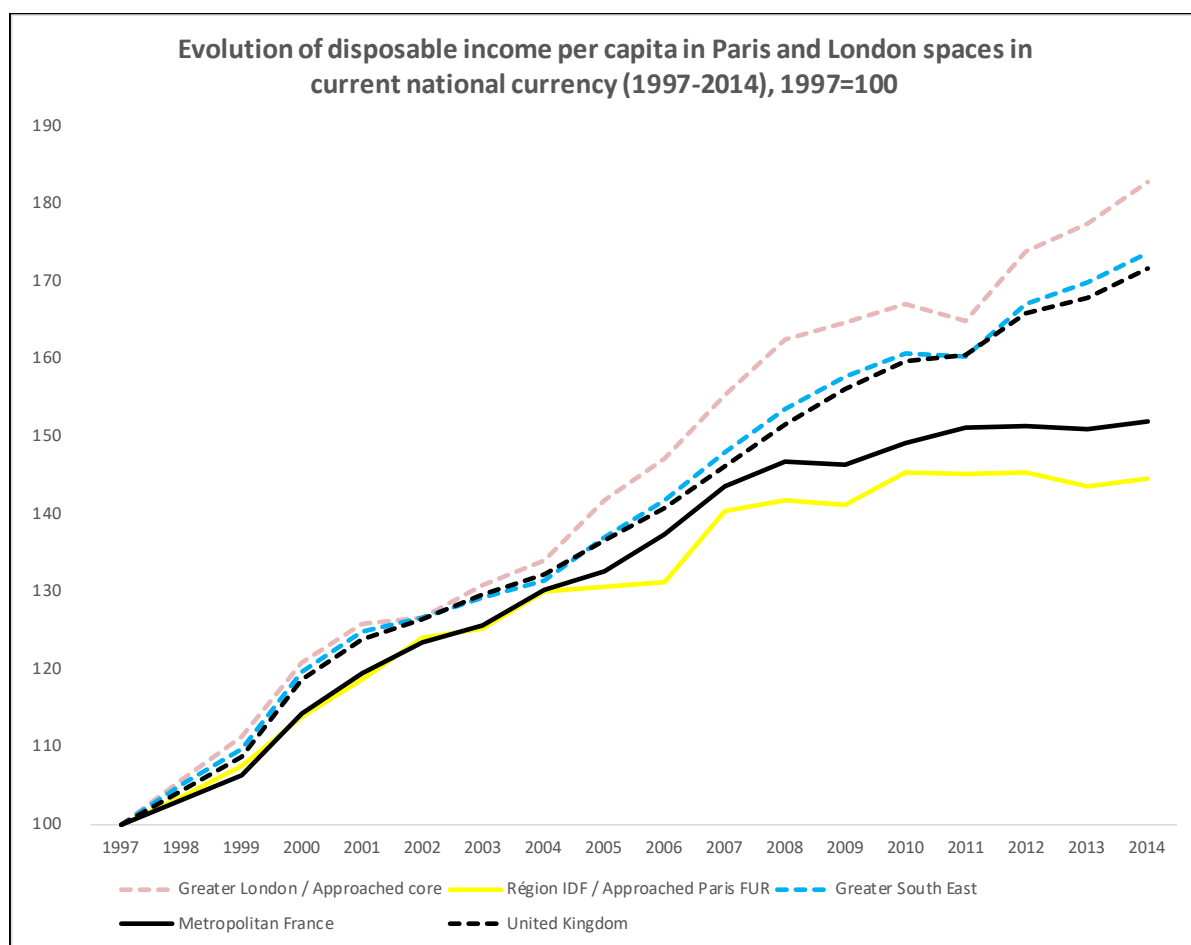


Source : OECD

Evolution of Disposable Income (total and per capita) in Paris and London spaces in current national currency (1997-2014)

Disposable income (millions of national currency)	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	86 490	92 154	98 076	107 792	113 549	115 196	119 265	122 755	131 382
Région IDF / Equivalent Paris FUR	170 939	177 169	184 656	196 753	206 555	217 549	221 371	231 630	234 370
Greater South East	234 834	248 239	261 490	287 641	302 083	308 098	315 894	323 206	340 176
Metropolitan France	753 688	780 086	805 981	872 742	918 221	955 259	978 428	1 020 990	1 048 390
United Kingdom	588 875	615 953	643 642	705 758	739 538	757 421	780 783	800 465	833 044
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	137 814	147 299	156 538	161 172	166 003	166 810	177 996	184 082	192 480
Région IDF / Equivalent Paris FUR	237 423	255 252	259 209	259 655	268 866	270 010	271 444	269 386	272 866
Greater South East	354 964	374 364	393 151	408 014	420 526	424 877	446 829	458 709	474 699
Metropolitan France	1 094 050	1 150 010	1 182 690	1 184 800	1 213 120	1 235 960	1 242 960	1 246 790	1 261 950
United Kingdom	865 136	904 632	945 636	981 143	1 011 960	1 025 670	1 067 550	1 087 080	1 118 970

Disposable Income per capita (national currency)	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	12 330	13 043	13 709	14 895	15 507	15 616	16 128	16 515	17 473
Région IDF / Equivalent Paris FUR	15 689	16 235	16 870	17 854	18 604	19 449	19 642	20 407	20 483
Greater South East	11 663	12 255	12 788	13 962	14 561	14 774	15 074	15 336	15 982
Metropolitan France	12 969	13 381	13 778	14 828	15 493	16 005	16 280	16 874	17 197
United Kingdom	10 098	10 534	10 968	11 985	12 511	12 759	13 092	13 352	13 789
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	18 139	19 146	20 038	20 292	20 592	20 332	21 424	21 869	22 540
Région IDF / Equivalent Paris FUR	20 587	22 007	22 232	22 139	22 812	22 780	22 813	22 524	22 687
Greater South East	16 529	17 253	17 914	18 391	18 734	18 701	19 478	19 804	20 260
Metropolitan France	17 818	18 610	19 034	18 967	19 328	19 597	19 612	19 573	19 709
United Kingdom	14 223	14 753	15 296	15 759	16 124	16 207	16 758	16 958	17 322

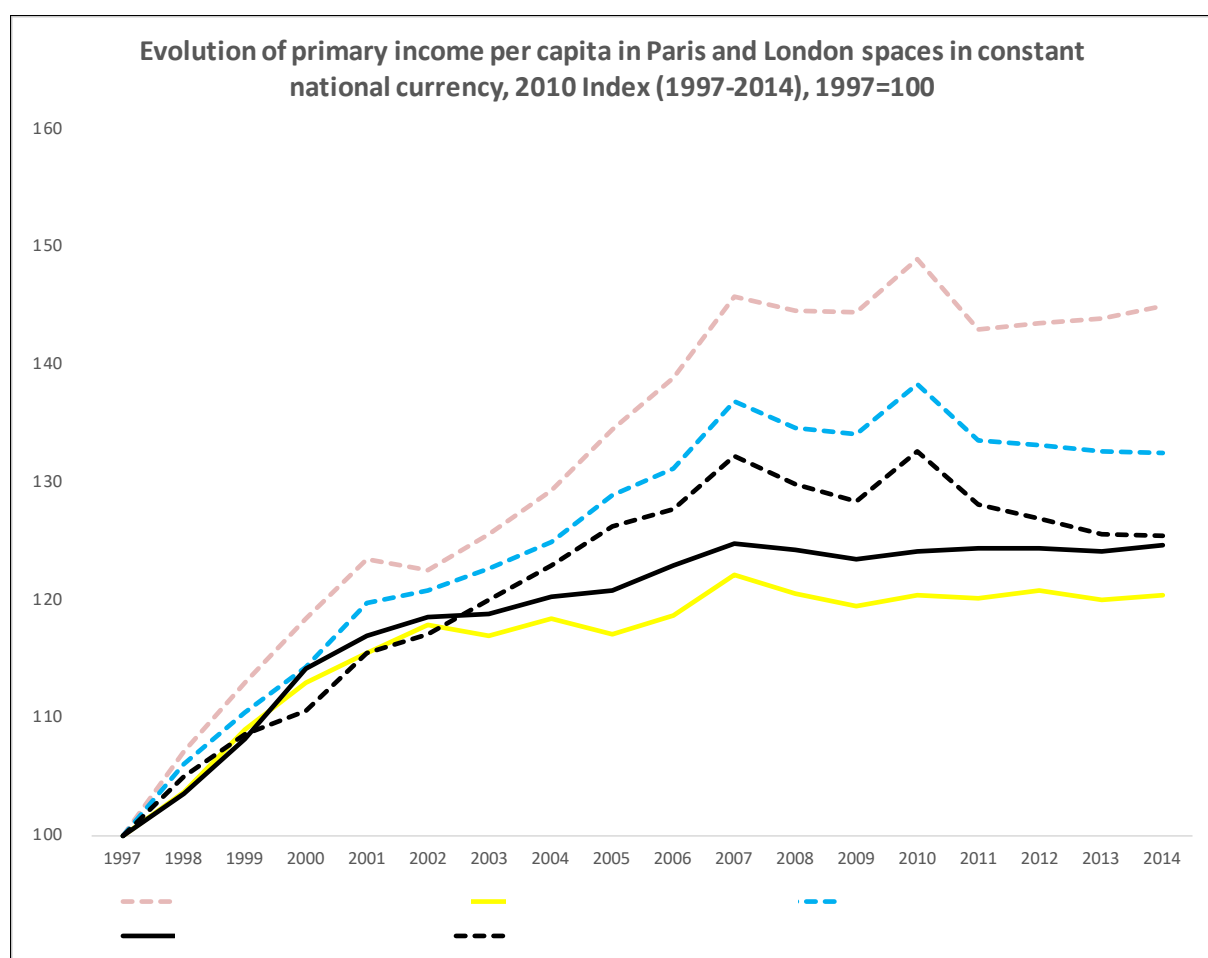


Source : OECD

Evolution of Primary Income (total and per capita) in Paris and London spaces in constant national currency, 2010 Index (1997-2014)

Primary income (millions of national currency)	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	120 836	130 428	139 166	147 670	155 751	155 650	160 043	165 459	174 136
Région IDF / Equivalent Paris FUR	265 287	275 292	290 452	303 152	312 098	321 102	321 014	327 371	326 031
Greater South East	324 531	346 248	364 034	379 520	400 536	406 202	414 208	424 162	441 997
Metropolitan France	1 023 210	1 063 290	1 113 800	1 183 240	1 219 750	1 245 920	1 257 060	1 280 820	1 296 970
United Kingdom	791 373	832 987	864 738	883 568	926 248	943 523	970 718	999 626	1 035 350
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	181 672	193 255	194 630	197 517	206 816	202 031	205 383	208 601	213 220
Région IDF / Equivalent Paris FUR	333 357	345 044	342 019	341 056	345 538	346 836	349 782	349 495	352 412
Greater South East	454 131	478 595	476 318	479 267	500 637	489 117	492 291	494 920	500 504
Metropolitan France	1 329 190	1 357 860	1 358 900	1 357 340	1 372 220	1 381 570	1 387 390	1 392 200	1 405 600
United Kingdom	1 053 800	1 099 800	1 089 330	1 084 460	1 129 920	1 100 570	1 096 760	1 092 420	1 100 270

Primary income per capita (national currency)	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	17 226	18 460	19 453	20 406	21 270	21 100	21 643	22 261	23 159
Région IDF / Equivalent Paris FUR	24 348	25 227	26 535	27 509	28 110	28 707	28 484	28 843	28 494
Greater South East	16 118	17 093	17 803	18 421	19 306	19 478	19 765	20 127	20 766
Metropolitan France	17 606	18 239	19 040	20 103	20 581	20 875	20 915	21 169	21 275
United Kingdom	13 571	14 245	14 735	15 005	15 669	15 893	16 277	16 674	17 138
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	23 911	25 119	24 914	24 868	25 655	24 625	24 720	24 782	24 969
Région IDF / Equivalent Paris FUR	28 906	29 748	29 335	29 080	29 317	29 262	29 397	29 222	29 300
Greater South East	21 147	22 057	21 703	21 603	22 303	21 528	21 460	21 367	21 361
Metropolitan France	21 648	21 974	21 870	21 729	21 863	21 891	21 856	21 856	21 953
United Kingdom	17 325	17 936	17 620	17 418	18 004	17 391	17 216	17 041	17 033

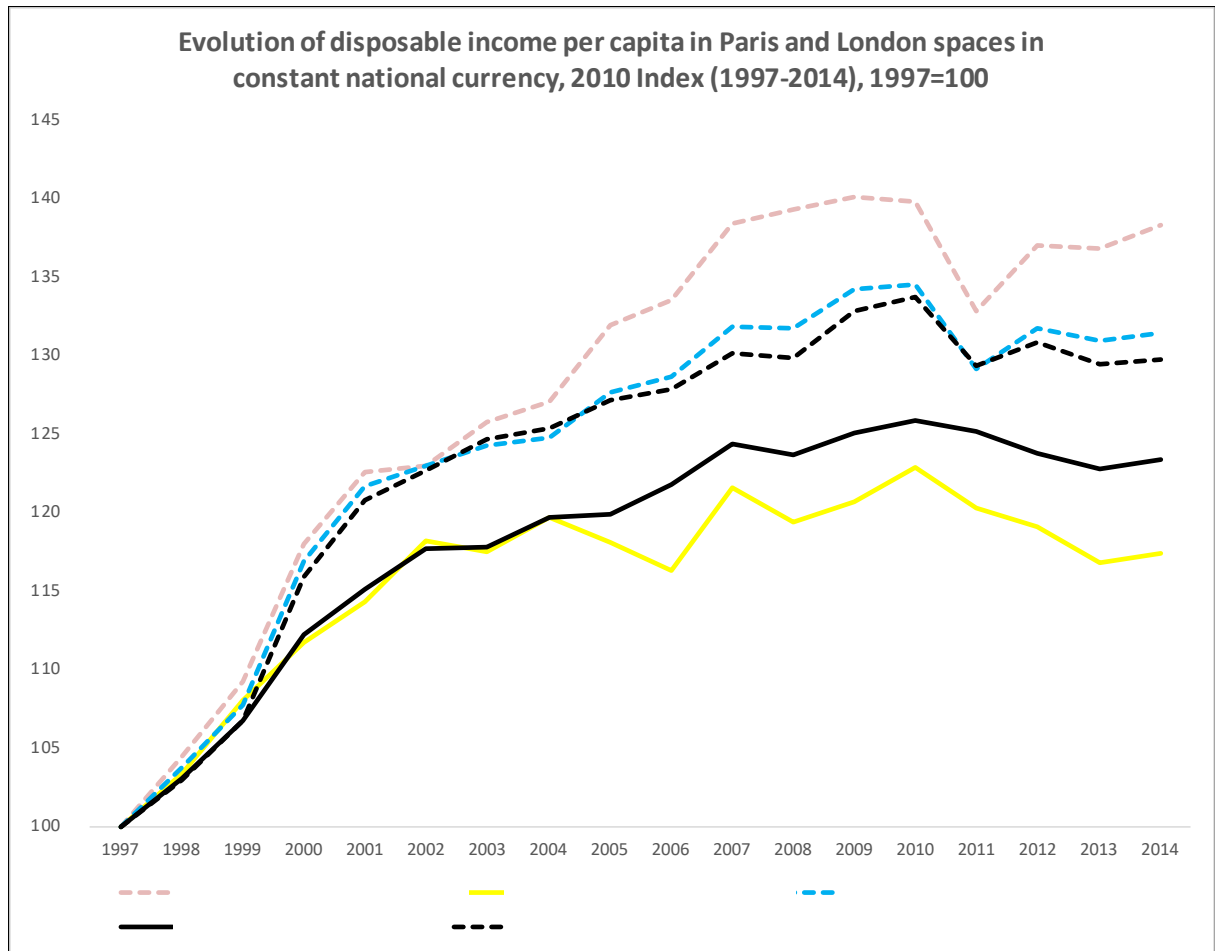


Source : OECD

Evolution of Disposable Income (total and per capita) in Paris and London spaces in constant national currency, 2010 Index (1997-2014)

Disposable income (millions of national currency)	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	103 308	108 647	115 085	125 711	132 174	133 591	136 953	139 062	146 126
Région IDF / Equivalent Paris FUR	202 358	209 435	219 558	228 695	235 605	245 620	245 945	252 216	250 896
Greater South East	280 497	292 667	306 839	335 458	351 633	357 299	362 744	366 143	378 352
Metropolitan France	892 219	922 150	958 322	1 014 420	1 047 360	1 078 520	1 087 040	1 111 740	1 122 310
United Kingdom	703 380	726 194	755 265	823 081	860 843	878 376	896 577	906 805	926 530
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	149 384	156 778	160 302	163 881	166 003	160 510	167 671	169 535	173 926
Région IDF / Equivalent Paris FUR	249 069	261 827	258 457	262 795	268 866	264 774	263 054	259 351	262 303
Greater South East	384 765	398 456	402 603	414 871	420 526	408 831	420 910	422 460	428 940
Metropolitan France	1 147 710	1 179 630	1 179 260	1 199 130	1 213 120	1 211 990	1 204 540	1 200 340	1 213 100
United Kingdom	937 769	962 849	968 371	997 630	1 011 960	986 938	1 005 630	1 001 170	1 011 110

Disposable income per capita (national currency)	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	14 727	15 377	16 087	17 371	18 051	18 110	18 520	18 709	19 434
Région IDF / Equivalent Paris FUR	18 573	19 192	20 058	20 753	21 220	21 959	21 823	22 221	21 927
Greater South East	13 931	14 448	15 006	16 283	16 949	17 133	17 309	17 374	17 776
Metropolitan France	15 352	15 818	16 383	17 235	17 672	18 070	18 087	18 374	18 410
United Kingdom	12 062	12 419	12 870	13 978	14 563	14 796	15 034	15 126	15 337
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	19 661	20 378	20 520	20 633	20 592	19 564	20 181	20 141	20 367
Région IDF / Equivalent Paris FUR	21 597	22 573	22 168	22 407	22 812	22 338	22 108	21 685	21 808
Greater South East	17 917	18 363	18 344	18 701	18 734	17 995	18 348	18 239	18 307
Metropolitan France	18 692	19 089	18 979	19 197	19 328	19 216	19 006	18 844	18 946
United Kingdom	15 417	15 702	15 663	16 023	16 124	15 595	15 786	15 617	15 653

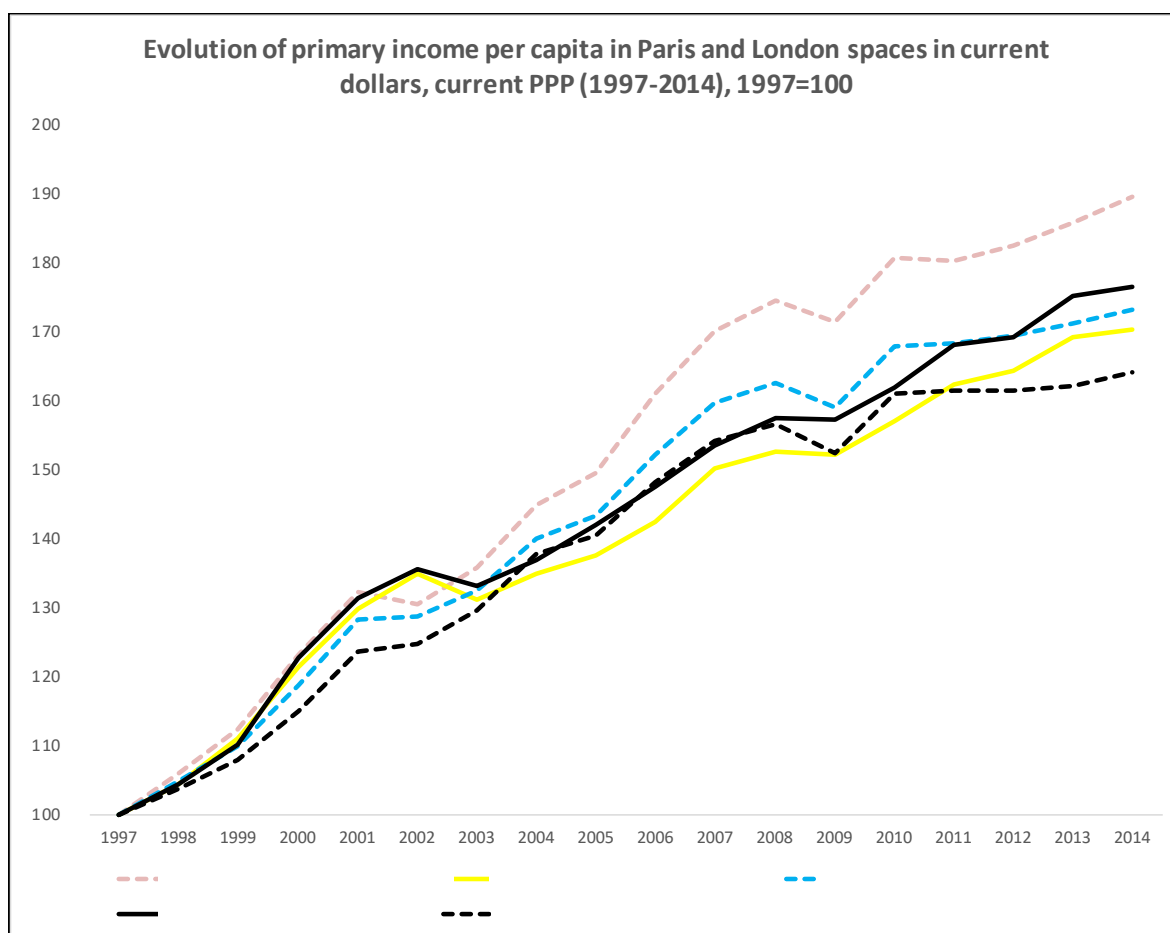


Source : OECD

Evolution of Primary Income (total and per capita) in Paris and London spaces in current dollars, current PPP (1997-2014)

Primary Income in M\$	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	128 056	136 728	146 738	162 701	176 878	175 681	183 405	196 651	205 224
Région IDF / Equivalent Paris FUR	226 805	237 294	252 854	278 575	300 063	314 069	307 592	318 727	327 786
Greater South East	343 922	362 973	383 841	418 149	454 866	458 478	474 670	504 125	520 904
Metropolitan France	874 788	916 528	969 623	1 087 310	1 172 720	1 218 640	1 204 500	1 247 000	1 303 950
United Kingdom	838 655	873 225	911 788	973 501	1 051 880	1 064 950	1 112 410	1 188 080	1 220 180
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	223 441	238 978	248 950	248 559	266 015	269 985	276 966	285 666	295 504
Région IDF / Equivalent Paris FUR	342 326	362 743	370 748	371 552	385 259	400 711	407 157	421 578	426 547
Greater South East	558 543	591 828	609 256	603 119	643 939	653 633	663 873	677 762	693 655
Metropolitan France	1 364 950	1 427 510	1 473 050	1 478 710	1 529 970	1 596 180	1 614 960	1 679 340	1 701 280
United Kingdom	1 296 080	1 360 000	1 393 360	1 364 710	1 453 350	1 470 750	1 479 020	1 496 000	1 524 870

Primary Income per capita in \$	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	18 255	19 352	20 512	22 483	24 156	23 816	24 802	26 457	27 294
Région IDF / Equivalent Paris FUR	20 817	21 745	23 100	25 279	27 026	28 078	27 293	28 081	28 647
Greater South East	17 081	17 919	18 772	20 296	21 925	21 985	22 650	23 921	24 473
Metropolitan France	15 052	15 721	16 576	18 473	19 787	20 418	20 041	20 610	21 389
United Kingdom	14 382	14 933	15 537	16 532	17 794	17 939	18 653	19 818	20 197
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	29 409	31 062	31 867	31 294	32 998	32 907	33 336	33 938	34 605
Région IDF / Equivalent Paris FUR	29 684	31 274	31 799	31 680	32 687	33 807	34 219	35 250	35 464
Greater South East	26 009	27 275	27 760	27 186	28 688	28 770	28 939	29 261	29 605
Metropolitan France	22 231	23 101	23 707	23 672	24 376	25 308	25 482	26 364	26 571
United Kingdom	21 308	22 179	22 538	21 919	23 157	23 240	23 217	23 336	23 606

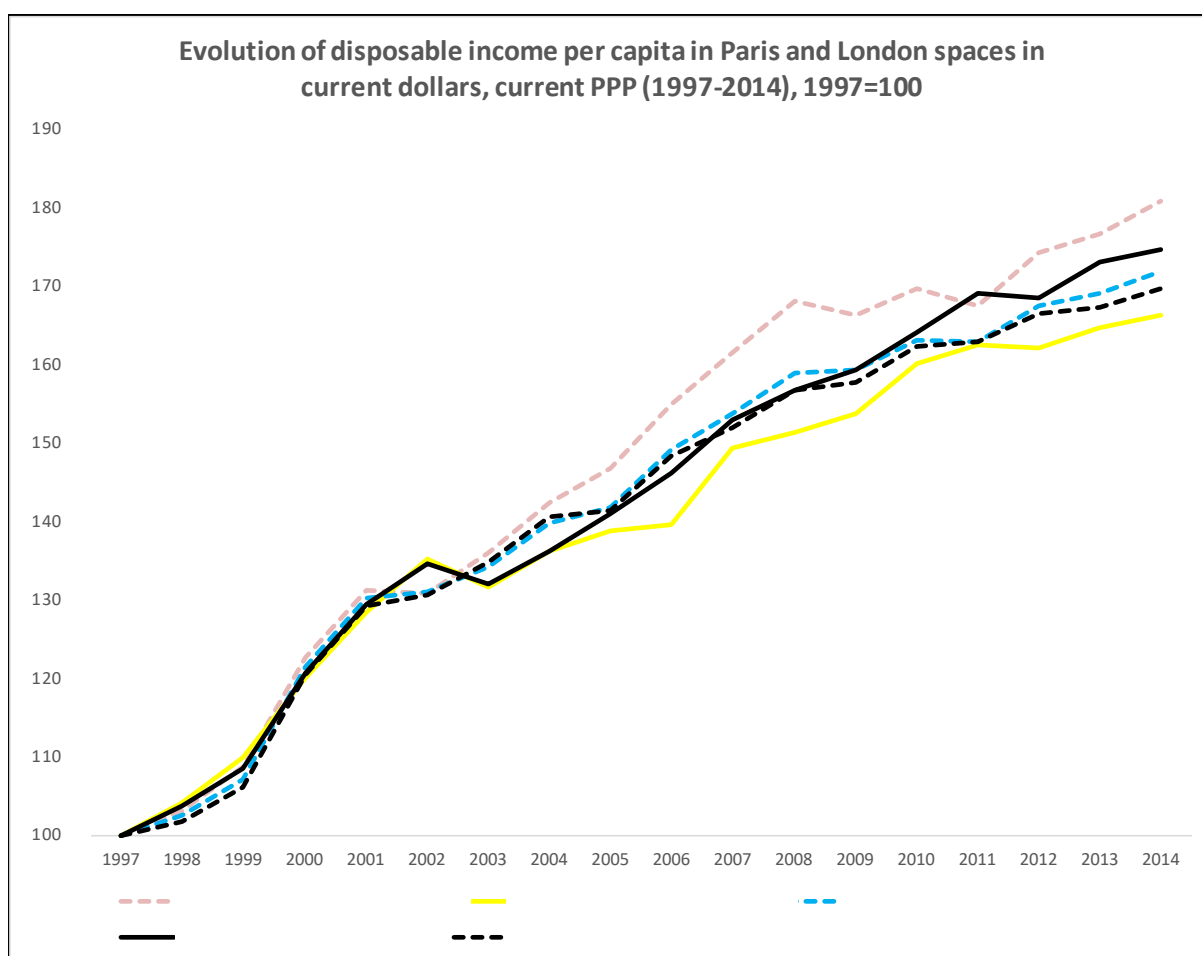


Source : OECD

Evolution of Disposable Income (total and per capita) in Paris and London spaces in current dollars, current PPP (1997-2014)

Disposable Income in M\$	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	109 480	113 896	121 346	138 507	150 102	150 784	156 944	165 279	172 214
Région IDF / Equivalent Paris FUR	173 005	180 527	191 138	210 154	226 520	240 241	235 661	245 557	252 247
Greater South East	297 255	306 805	323 533	369 603	399 328	403 282	415 694	435 170	445 898
Metropolitan France	762 797	794 867	834 272	932 184	1 006 970	1 054 900	1 041 590	1 082 380	1 128 350
United Kingdom	745 405	761 273	796 358	906 857	977 608	991 417	1 027 450	1 077 760	1 091 940
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	183 730	193 871	205 041	206 230	213 520	214 498	226 111	232 167	241 046
Région IDF / Equivalent Paris FUR	255 770	275 257	280 166	286 292	299 774	305 903	306 203	312 843	317 481
Greater South East	473 229	492 729	514 968	522 079	540 897	546 342	567 613	578 533	594 474
Metropolitan France	1 178 590	1 240 140	1 278 310	1 306 350	1 352 570	1 400 260	1 402 120	1 447 910	1 468 290
United Kingdom	1 153 380	1 190 660	1 238 640	1 255 430	1 301 620	1 318 890	1 356 130	1 371 040	1 401 310

Disposable Income per capita in \$	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	15 607	16 120	16 962	19 139	20 499	20 441	21 224	22 237	22 904
Région IDF / Equivalent Paris FUR	15 879	16 543	17 462	19 070	20 402	21 478	20 910	21 634	22 045
Greater South East	14 763	15 146	15 822	17 940	19 248	19 338	19 836	20 649	20 949
Metropolitan France	13 125	13 634	14 262	15 838	16 991	17 674	17 330	17 889	18 509
United Kingdom	12 783	13 019	13 570	15 400	16 538	16 700	17 228	17 978	18 074
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	24 182	25 199	26 246	25 965	26 486	26 144	27 215	27 582	28 228
Région IDF / Equivalent Paris FUR	22 178	23 731	24 029	24 410	25 434	25 808	25 735	26 158	26 396
Greater South East	22 036	22 708	23 464	23 533	24 097	24 047	24 743	24 977	25 372
Metropolitan France	19 195	20 069	20 573	20 913	21 550	22 202	22 124	22 731	22 932
United Kingdom	18 962	19 417	20 035	20 164	20 740	20 840	21 288	21 387	21 693

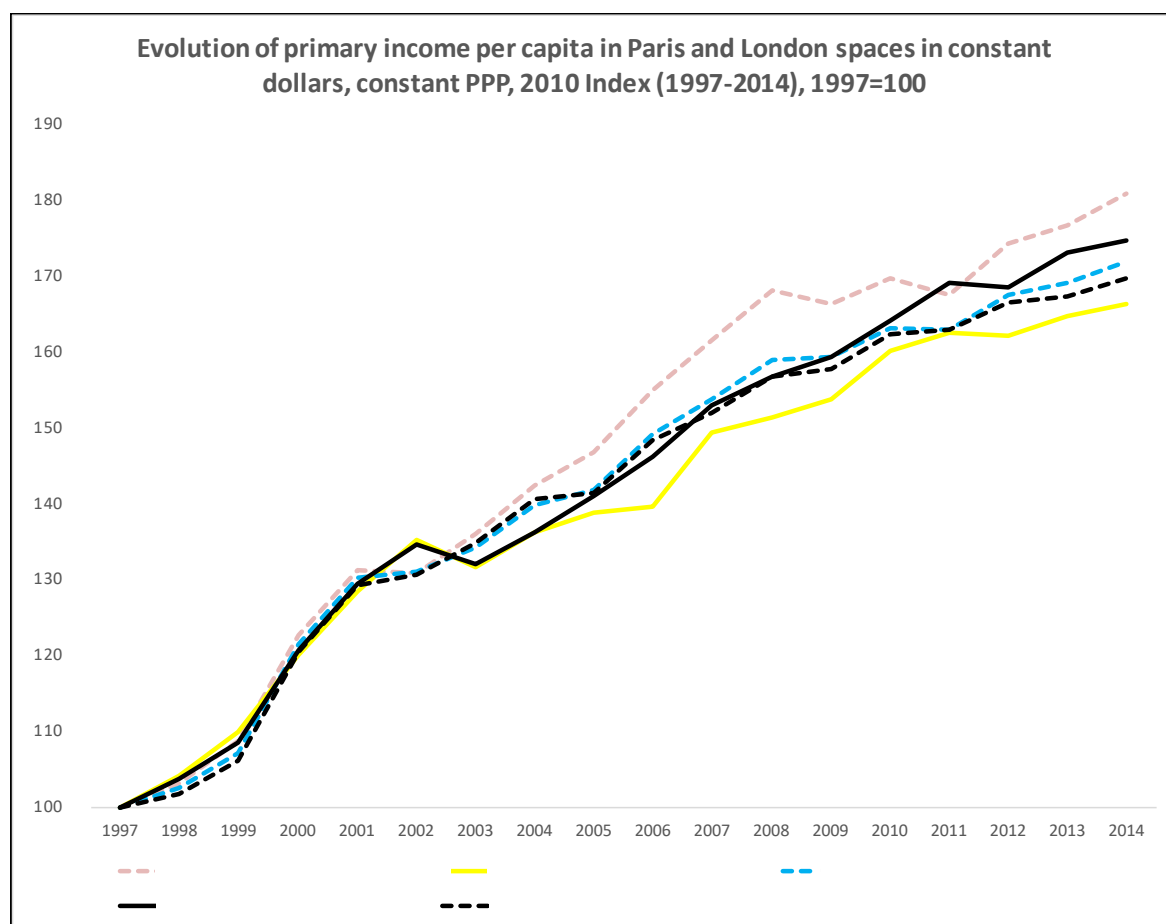


Source : OECD

Evolution of Primary Income (total and per capita) in Paris and London spaces in constant dollars, constant PPP, 2010 Index (1997-2014)

Primary Income in M\$	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	155 424	167 761	179 000	189 939	200 333	200 202	205 854	212 819	223 980
Région IDF / Equivalent Paris FUR	295 783	306 938	323 840	338 001	347 975	358 015	357 917	365 004	363 510
Greater South East	417 424	445 357	468 233	488 153	515 184	522 472	532 770	545 572	568 513
Metropolitan France	1 140 840	1 185 520	1 241 830	1 319 260	1 359 970	1 389 150	1 401 570	1 428 050	1 446 060
United Kingdom	1 017 890	1 071 420	1 112 260	1 136 480	1 191 370	1 213 590	1 248 570	1 285 760	1 331 700
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	233 673	248 571	250 340	254 054	266 015	259 860	264 171	268 310	274 251
Région IDF / Equivalent Paris FUR	371 678	384 708	381 336	380 263	385 259	386 706	389 991	389 671	392 924
Greater South East	584 121	615 585	612 657	616 452	643 939	629 122	633 203	636 584	643 766
Metropolitan France	1 481 980	1 513 950	1 515 120	1 513 380	1 529 970	1 540 390	1 546 870	1 552 240	1 567 180
United Kingdom	1 355 430	1 414 600	1 401 140	1 394 880	1 453 350	1 415 590	1 410 690	1 405 110	1 415 200

Primary Income per capita in \$	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	22 156	23 744	25 021	26 247	27 359	27 140	27 838	28 633	29 789
Région IDF / Equivalent Paris FUR	27 147	28 127	29 585	30 672	31 341	32 007	31 758	32 158	31 769
Greater South East	20 731	21 986	22 899	23 694	24 833	25 053	25 422	25 888	26 710
Metropolitan France	19 630	20 335	21 229	22 414	22 947	23 274	23 320	23 602	23 720
United Kingdom	17 455	18 323	18 953	19 300	20 154	20 443	20 936	21 447	22 043
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	30 755	32 309	32 045	31 986	32 998	31 673	31 796	31 876	32 116
Région IDF / Equivalent Paris FUR	32 229	33 168	32 707	32 423	32 687	32 626	32 776	32 582	32 669
Greater South East	27 200	28 370	27 915	27 787	28 688	27 691	27 602	27 483	27 475
Metropolitan France	24 137	24 499	24 384	24 227	24 376	24 423	24 408	24 369	24 476
United Kingdom	22 283	23 069	22 663	22 404	23 157	22 368	22 144	21 919	21 908

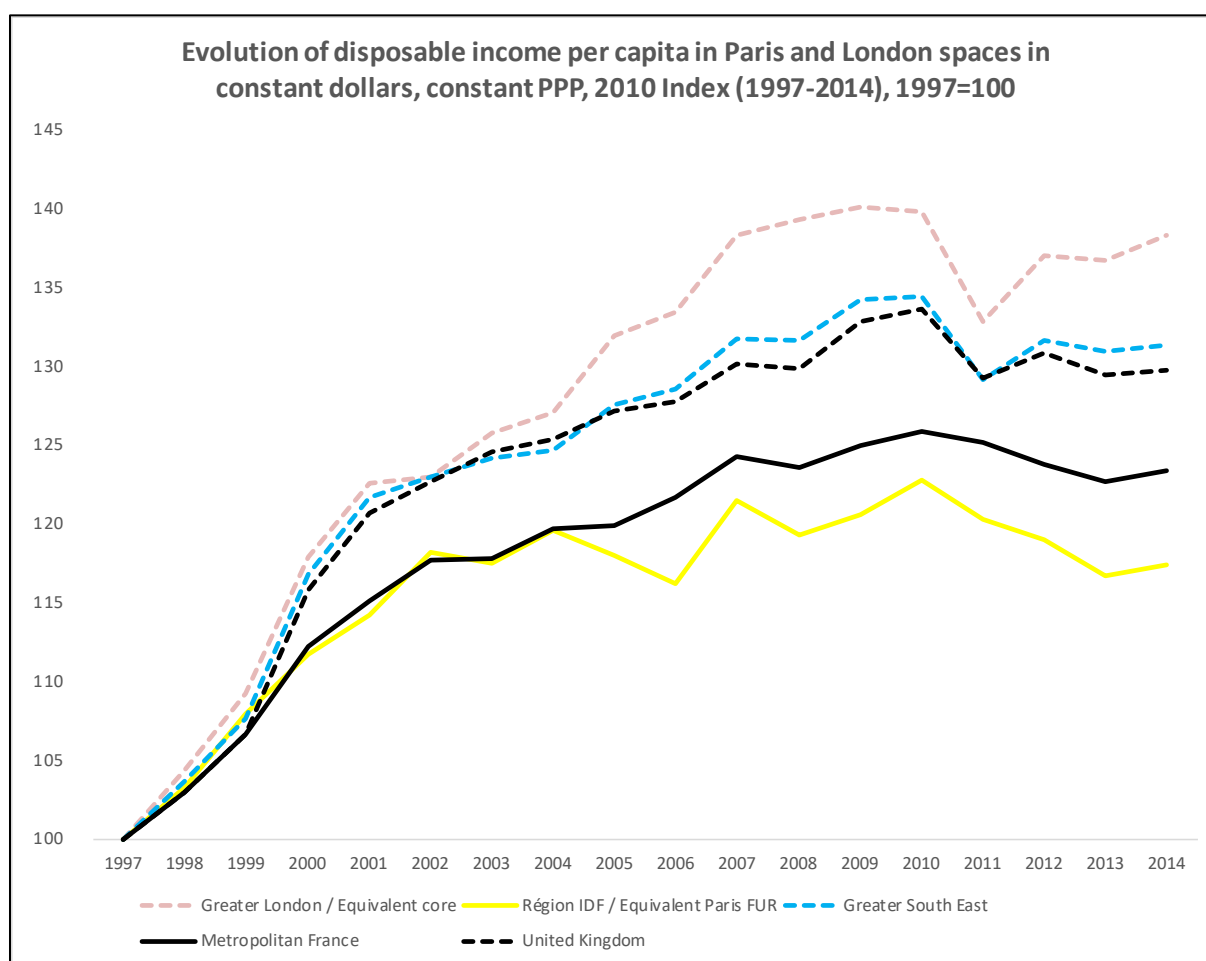


Source : OECD

Evolution of Disposable Income (total and per capita) in Paris and London spaces in constant dollars, constant PPP, 2010 Index (1997-2014)

Disposable Income in M\$	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	132 878	139 746	148 026	161 694	170 007	171 830	176 154	178 867	187 953
Région IDF / Equivalent Paris FUR	225 620	233 510	244 798	254 984	262 689	273 856	274 218	281 210	279 738
Greater South East	360 785	376 440	394 667	431 478	452 282	459 571	466 575	470 946	486 651
Metropolitan France	994 785	1 028 160	1 068 490	1 131 040	1 167 760	1 202 500	1 212 000	1 239 530	1 251 330
United Kingdom	904 713	934 057	971 449	1 058 680	1 107 250	1 129 800	1 153 210	1 166 370	1 191 740
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	192 144	201 654	206 186	210 789	213 520	206 454	215 665	218 062	223 710
Région IDF / Equivalent Paris FUR	277 701	291 925	288 168	293 004	299 774	295 211	293 293	289 165	292 456
Greater South East	494 900	512 509	517 843	533 621	540 897	525 853	541 390	543 383	551 718
Metropolitan France	1 279 650	1 315 240	1 314 820	1 336 980	1 352 570	1 351 320	1 343 000	1 338 330	1 352 550
United Kingdom	1 206 190	1 238 450	1 245 550	1 283 190	1 301 620	1 269 440	1 293 480	1 287 740	1 300 530

Disposable Income per capita in \$	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	18 942	19 779	20 692	22 344	23 217	23 294	23 821	24 065	24 997
Région IDF / Equivalent Paris FUR	20 708	21 398	22 364	23 138	23 660	24 483	24 332	24 776	24 448
Greater South East	17 918	18 584	19 301	20 943	21 801	22 037	22 264	22 347	22 864
Metropolitan France	17 117	17 636	18 266	19 216	19 704	20 147	20 166	20 486	20 526
United Kingdom	15 514	15 974	16 554	17 978	18 731	19 031	19 337	19 456	19 726
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	25 289	26 211	26 393	26 539	26 486	25 164	25 958	25 906	26 197
Région IDF / Equivalent Paris FUR	24 080	25 168	24 716	24 983	25 434	24 906	24 650	24 178	24 315
Greater South East	23 045	23 620	23 595	24 053	24 097	23 145	23 600	23 460	23 547
Metropolitan France	20 841	21 284	21 161	21 403	21 550	21 426	21 191	21 011	21 124
United Kingdom	19 830	20 197	20 147	20 610	20 740	20 059	20 304	20 088	20 133



Source : OECD

Evolution the ratio of Disposable Income / Primary Income in Paris and London spaces

Current national currency

	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	85%	83%	83%	85%	85%	86%	86%	84%	84%
Région IDF / Equivalent Paris FUR	76%	76%	76%	75%	75%	76%	77%	77%	77%
Greater South East	86%	85%	84%	88%	88%	88%	88%	86%	86%
Metropolitan France	87%	87%	86%	86%	86%	87%	86%	87%	87%
United Kingdom	89%	87%	87%	93%	93%	93%	92%	91%	89%
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	82%	81%	82%	83%	80%	79%	82%	81%	82%
Région IDF / Equivalent Paris FUR	75%	76%	76%	77%	78%	76%	75%	74%	74%
Greater South East	85%	83%	85%	87%	84%	84%	86%	85%	86%
Metropolitan France	86%	87%	87%	88%	88%	88%	87%	86%	86%
United Kingdom	89%	88%	89%	92%	90%	90%	92%	92%	92%

Constant national currency

	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	85%	83%	83%	85%	85%	86%	86%	84%	84%
Région IDF / Equivalent Paris FUR	76%	76%	76%	75%	75%	76%	77%	77%	77%
Greater South East	86%	85%	84%	88%	88%	88%	88%	86%	86%
Metropolitan France	87%	87%	86%	86%	86%	87%	86%	87%	87%
United Kingdom	89%	87%	87%	93%	93%	93%	92%	91%	89%
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	82%	81%	82%	83%	80%	79%	82%	81%	82%
Région IDF / Equivalent Paris FUR	75%	76%	76%	77%	78%	76%	75%	74%	74%
Greater South East	85%	83%	85%	87%	84%	84%	86%	85%	86%
Metropolitan France	86%	87%	87%	88%	88%	88%	87%	86%	86%
United Kingdom	89%	88%	89%	92%	90%	90%	92%	92%	92%

Current dollars, current PPP

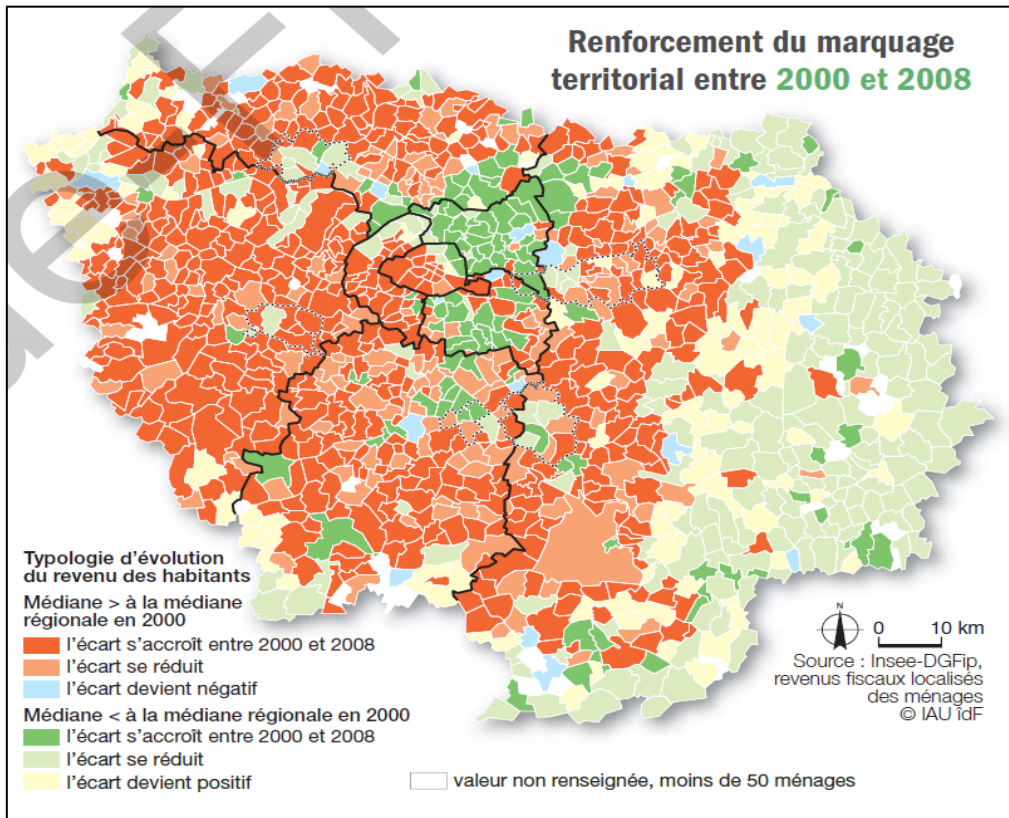
	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	85%	83%	83%	85%	85%	86%	86%	84%	84%
Région IDF / Equivalent Paris FUR	76%	76%	76%	75%	75%	76%	77%	77%	77%
Greater South East	86%	85%	84%	88%	88%	88%	88%	86%	86%
Metropolitan France	87%	87%	86%	86%	86%	87%	86%	87%	87%
United Kingdom	89%	87%	87%	93%	93%	93%	92%	91%	89%
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	82%	81%	82%	83%	80%	79%	82%	81%	82%
Région IDF / Equivalent Paris FUR	75%	76%	76%	77%	78%	76%	75%	74%	74%
Greater South East	85%	83%	85%	87%	84%	84%	86%	85%	86%
Metropolitan France	86%	87%	87%	88%	88%	88%	87%	86%	86%
United Kingdom	89%	88%	89%	92%	90%	90%	92%	92%	92%

Constant dollars, constant PPP, Index 2010

	1997	1998	1999	2000	2001	2002	2003	2004	2005
Greater London / Equivalent core	85%	83%	83%	85%	85%	86%	86%	84%	84%
Région IDF / Equivalent Paris FUR	76%	76%	76%	75%	75%	76%	77%	77%	77%
Greater South East	86%	85%	84%	88%	88%	88%	88%	86%	86%
Metropolitan France	87%	87%	86%	86%	86%	87%	86%	87%	87%
United Kingdom	89%	87%	87%	93%	93%	93%	92%	91%	89%
	2006	2007	2008	2009	2010	2011	2012	2013	2014
Greater London / Equivalent core	82%	81%	82%	83%	80%	79%	82%	81%	82%
Région IDF / Equivalent Paris FUR	75%	76%	76%	77%	78%	76%	75%	74%	74%
Greater South East	85%	83%	85%	87%	84%	84%	86%	85%	86%
Metropolitan France	86%	87%	87%	88%	88%	88%	87%	86%	86%
United Kingdom	89%	88%	89%	92%	90%	90%	92%	92%	92%

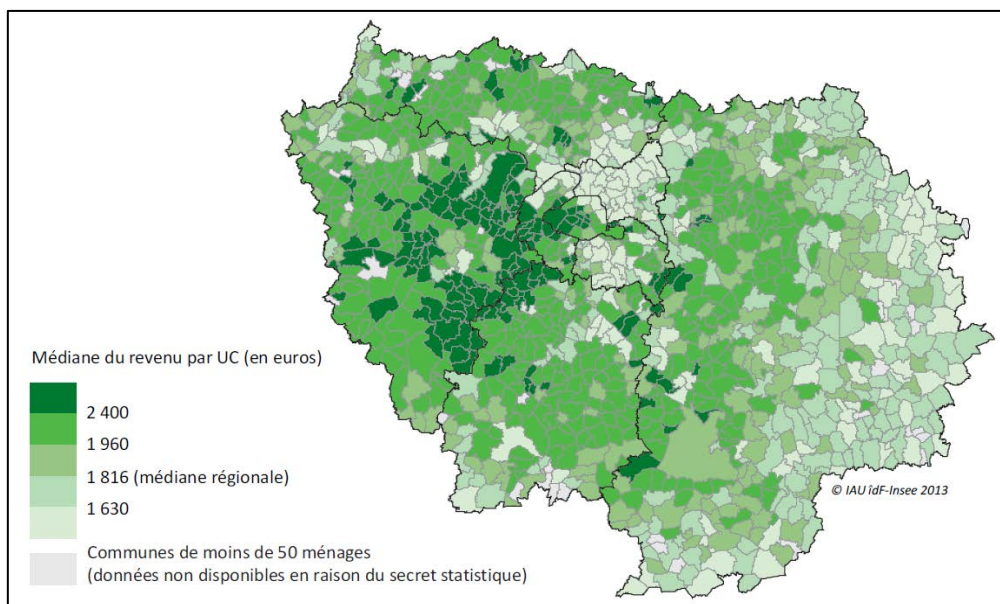
Source : OECD

The increase of intra-regional inequalities in the Paris region from 2000 to 2008



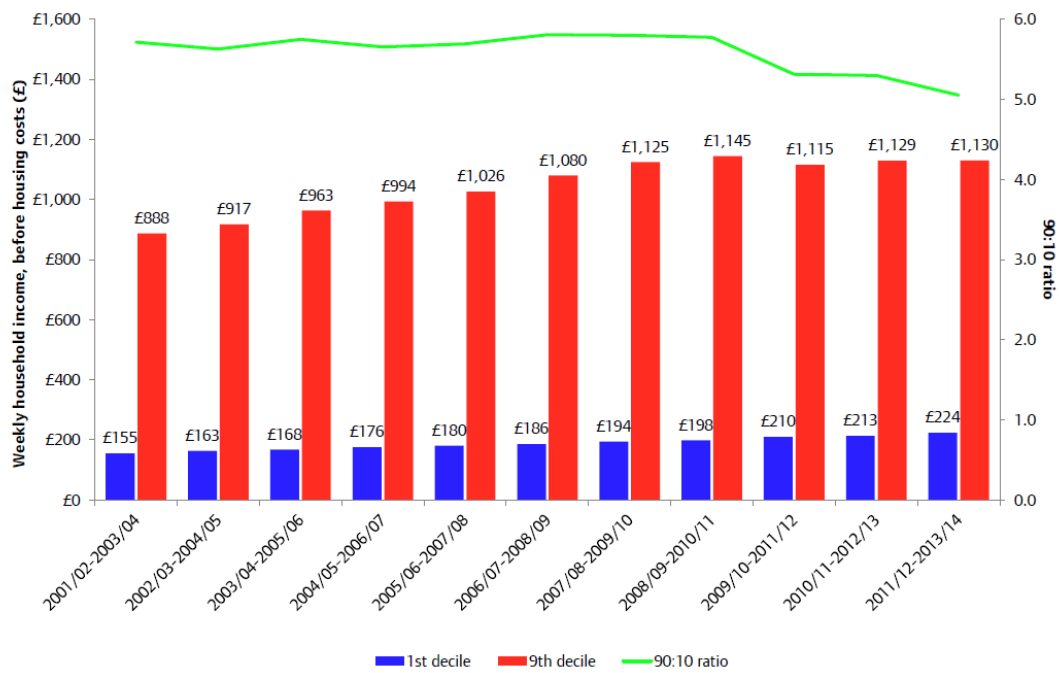
Source : Institut Paris Region. Dark colors (red and green) indicate an increase of household primary income in relation to the regional mean. The communes "dark red" witnessed an increased gap with the regional mean by the top. The ones in dark green witnessed a an increased gap by the bottom.

Localized household primary income in the Paris region in 2010



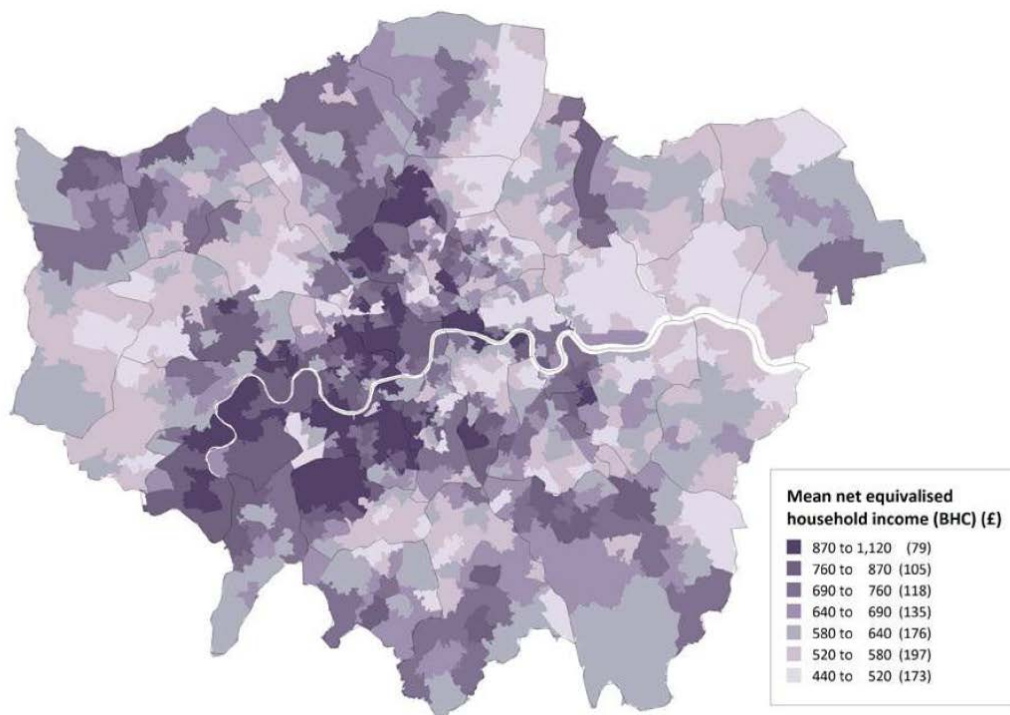
Source : Institut Paris Region

The distribution of nominal household income (BHC) in London (2001-2014)



Source : Greater London Authority / Family Resources Survey (3-year averages), net household income (BHC or before housing costs) equivalised to account for household size

Mean equivalised household income (BHC) in London in 2012



Source : Greater London Authority / ONS Small Area Income Estimates 11/12

Regional well-being indicators by OECD in 2014

2014	REGIONAL WELL-BEING						
	Disposable income per capita	Employment rate	Unemployment rate	Number of rooms per person	Share of labour force with at least secondary education	Life expectancy at birth	Standardised mortality rate
	<i>US Dollar</i>	<i>Percentage</i>	<i>Percentage</i>	<i>Number</i>	<i>Percentage</i>	<i>Years</i>	<i>Per 1 000 inhabitants</i>
Metropolitan France	21 704	64	10	1,7	81,0	82,3	6,8
Région IDF / Equivalent Paris FUR	26 032	66	10	1,5	80,7	83,8	6,1
Champagne-Ardennes	20 229	61	11	1,9	75,5	81,2	7,5
Picardie	20 370	61	12	1,8	73,0	80,6	8,0
Haute-Normandie	20 830	61	12	1,8	78,4	81,2	7,5
Centre (FR)	21 513	64	10	1,9	77,8	82,3	6,9
Basse-Normandie	20 751	66	8	1,9	79,8	82,0	7,1
United Kingdom	20 950	73	6	1,9	81,8	81,1	7,8
East of England	22 901	77	5	2,1	80,4	82,2	7,3
Greater London / Equivalent core	27 831	71	7	1,8	86,5	82,3	7,1
South East of England	24 606	78	5	2,0	84,3	82,2	7,3
2014	REGIONAL WELL-BEING						
	Air pollution, level of PM2.5	Homicide rate	Voter turnout in general election	Share of households with internet broadband access	Perceived social network support	Self-evaluation of life satisfaction	Perception of corruption
	<i>Micrograms per cubic metre</i>	<i>Per 100 000 inhabitants</i>	<i>Percentage</i>	<i>Percentage</i>	<i>Percentage</i>	<i>Index</i>	<i>Percentage</i>
Metropolitan France	11,6	1,1	80,3	77,0	92,3	6,7	59,8
Région IDF / Equivalent Paris FUR	14,0	1,3	78,2	84,0	91,6	6,6	54,5
Champagne-Ardennes	13,5	0,7	79,8	76,0	85,4	6,5	62,4
Picardie	13,7	1,1	81,1	77,0	90,0	6,6	59,7
Haute-Normandie	10,7	0,9	81,1	80,0	90,2	6,5	66,9
Centre (FR)	10,9	0,7	81,9	75,0	90,1	6,5	61,6
Basse-Normandie	10,2	0,5	83,2	65,0	92,2	6,5	55,4
United Kingdom	9,2	1,0	66,1	88,0	94,8	6,9	45,9
East of England	12,1	0,9	67,6	87,0	94,6	6,9	47,9
Greater London / Equivalent core	11,3	1,3	65,5	92,0	92,9	6,7	42,0
South East of England	10,1	0,8	68,5	91,0	93,6	6,9	45,5

Source : OECD

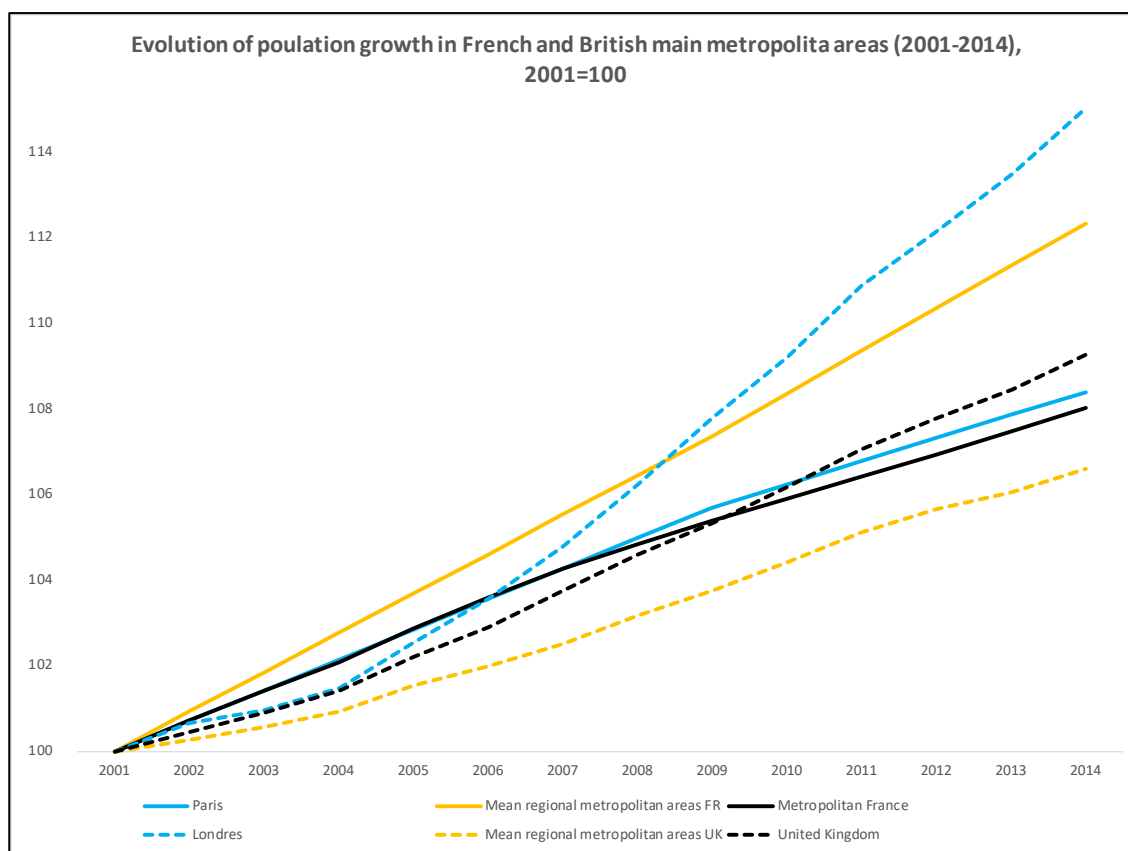
Evolution of population in French and British main metropolitan areas (2001-2014), thousands

	2001	2002	2003	2004	2005	2006	2007	2008
Paris	11 002	11 081	11 159	11 237	11 316	11 394	11 472	11 551
<i>Lyon</i>	1 760	1 774	1 789	1 804	1 818	1 833	1 848	1 862
<i>Marseille</i>	1 618	1 630	1 643	1 656	1 668	1 681	1 693	1 706
<i>Lille</i>	1 295	1 301	1 307	1 313	1 319	1 324	1 330	1 336
<i>Toulouse</i>	1 049	1 068	1 088	1 107	1 126	1 145	1 164	1 184
<i>Bordeaux</i>	1 017	1 029	1 040	1 051	1 063	1 074	1 086	1 097
<i>Nantes</i>	792	800	809	817	825	834	842	850
<i>Nice</i>	787	791	796	801	805	810	814	819
<i>Mean regional metropolitan areas FR</i>	1 188	1 199	1 210	1 221	1 232	1 243	1 254	1 265
Metropolitan France	59 267	59 686	60 102	60 505	60 963	61 400	61 795	62 135
Londres	10 173	10 239	10 270	10 322	10 432	10 537	10 660	10 808
<i>Manchester</i>	3 023	3 031	3 049	3 062	3 079	3 101	3 121	3 145
<i>West Midlands urban areas</i>	2 689	2 700	2 712	2 724	2 744	2 759	2 776	2 799
<i>Leeds</i>	2 365	2 376	2 386	2 403	2 429	2 443	2 460	2 478
<i>Glasgow</i>	1 750	1 748	1 744	1 743	1 745	1 746	1 754	1 761
<i>Liverpool</i>	1 161	1 160	1 160	1 161	1 163	1 163	1 163	1 163
<i>Sheffield</i>	1 077	1 080	1 084	1 090	1 099	1 103	1 108	1 115
<i>Newcastle upon Tyne</i>	1 110	1 112	1 113	1 113	1 117	1 120	1 125	1 128
<i>Mean regional metropolitan areas UK</i>	1 882	1 887	1 892	1 900	1 911	1 919	1 929	1 941
United Kingdom	59 113	59 366	59 637	59 950	60 413	60 827	61 319	61 824
	2009	2010	2011	2012	2013	2014	2015	
Paris	11 629	11 688	11 748	11 807	11 867	11 926	12 007	
<i>Lyon</i>	1 877	1 897	1 918	1 938	1 958	1 978	1 951	
<i>Marseille</i>	1 718	1 725	1 731	1 738	1 744	1 751	NA	
<i>Lille</i>	1 342	1 348	1 354	1 361	1 367	1 373	1 345	
<i>Toulouse</i>	1 203	1 222	1 240	1 259	1 278	1 296	1 328	
<i>Bordeaux</i>	1 109	1 125	1 141	1 158	1 174	1 190	1 170	
<i>Nantes</i>	859	873	887	902	916	930	907	
<i>Nice</i>	823	824	824	824	824	825	818	
<i>Mean regional metropolitan areas FR</i>	1 276	1 288	1 299	1 311	1 323	1 335	NA	
Metropolitan France	62 466	62 765	63 070	63 376	63 698	64 028	64 301	
Londres	10 964	11 111	11 279	11 407	11 544	11 701	11 854	
<i>Manchester</i>	3 166	3 190	3 215	3 233	3 246	3 265	3 291	
<i>West Midlands urban areas</i>	2 819	2 841	2 865	2 883	2 899	2 919	2 939	
<i>Leeds</i>	2 492	2 509	2 525	2 539	2 551	2 563	2 580	
<i>Glasgow</i>	1 770	1 777	1 787	1 790	1 791	1 796	1 804	
<i>Liverpool</i>	1 165	1 168	1 172	1 177	1 179	1 184	1 192	
<i>Sheffield</i>	1 122	1 130	1 140	1 149	1 154	1 161	1 170	
<i>Newcastle upon Tyne</i>	1 133	1 140	1 145	1 148	1 153	1 157	1 160	
<i>Mean regional metropolitan areas UK</i>	1 952	1 965	1 978	1 988	1 996	2 006	2 019	
United Kingdom	62 261	62 760	63 285	63 705	64 106	64 597	65 110	

Source : OECD

**Evolution of population in French and British main metropolitan areas (2001-2014), indexes,
2001=100**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Paris	100	101	101	102	103	104	104	105	106	106	107	107	108	108	109
<i>Lyon</i>	100	101	102	103	103	104	105	106	107	108	109	110	111	112	111
<i>Marseille</i>	100	101	102	102	103	104	105	105	106	107	107	107	108	108	NA
<i>Lille</i>	100	100	101	101	102	102	103	103	104	104	105	105	106	106	104
<i>Toulouse</i>	100	102	104	106	107	109	111	113	115	116	118	120	122	124	127
<i>Bordeaux</i>	100	101	102	103	105	106	107	108	109	111	112	114	115	117	115
<i>Nantes</i>	100	101	102	103	104	105	106	107	108	110	112	114	116	117	115
<i>Nice</i>	100	101	101	102	102	103	103	104	105	105	105	105	105	105	104
<i>Mean regional metropolitan areas FR</i>	100	101	102	103	104	105	106	106	107	108	109	110	111	112	NA
Metropolitan France	100	101	101	102	103	104	104	105	105	106	106	107	107	108	108
Londres	100	101	101	101	103	104	105	106	108	109	111	112	113	115	117
<i>Manchester</i>	100	100	101	101	102	103	103	104	105	106	106	107	107	108	109
<i>West Midlands urban areas</i>	100	100	101	101	102	103	103	104	105	106	107	107	108	109	109
<i>Leeds</i>	100	100	101	102	103	103	104	105	105	106	107	107	108	108	109
<i>Glasgow</i>	100	100	100	100	100	100	100	101	101	102	102	102	102	103	103
<i>Liverpool</i>	100	100	100	100	100	100	100	100	100	101	101	101	101	102	103
<i>Sheffield</i>	100	100	101	101	102	103	103	104	104	105	106	107	107	108	109
<i>Newcastle upon Tyne</i>	100	100	100	100	101	101	101	102	102	103	103	103	104	104	105
<i>Mean regional metropolitan areas UK</i>	100	100	101	101	102	102	103	103	104	104	105	106	106	107	107
United Kingdom	100	100	101	101	102	103	104	105	105	106	107	108	108	109	110



Source : OECD

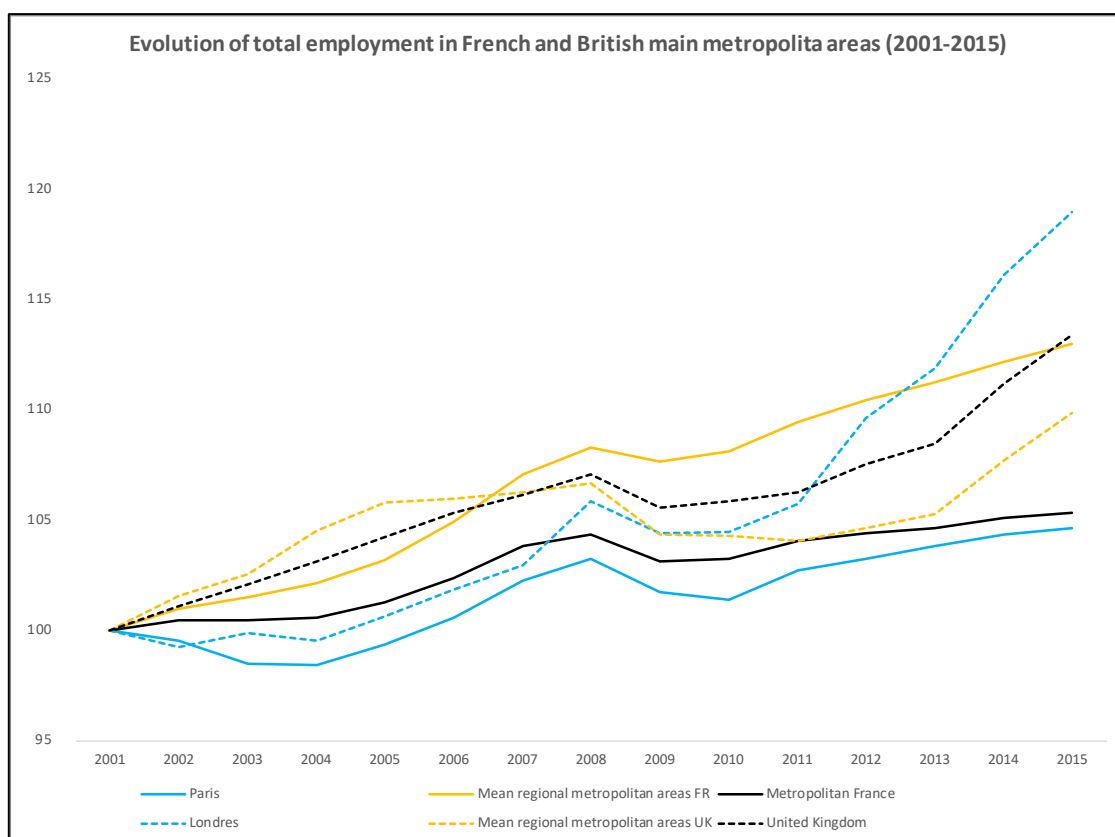
Evolution of employment in French and British main metropolitan areas (2001-2015), thousands

	2001	2002	2003	2004	2005	2006	2007	2008
Paris	5 928	5 902	5 840	5 836	5 888	5 961	6 060	6 121
Lyon	877	880	879	882	890	905	927	936
Marseille	670	681	687	695	703	710	722	730
Lille	530	533	531	529	527	533	542	543
Toulouse	508	515	523	530	540	554	566	576
Bordeaux	456	462	463	464	469	478	488	494
Nantes	353	356	359	364	370	377	388	394
Nice	322	325	330	332	335	341	346	349
<i>an regional metropolitan areas</i>	531	536	539	542	548	557	568	575
Metropolitan France	26 042	26 163	26 161	26 193	26 374	26 664	27 039	27 166
Londres	5 646	5 604	5 639	5 620	5 681	5 750	5 813	5 974
Manchester	1 393	1 397	1 419	1 449	1 452	1 439	1 456	1 456
<i>West Midlands urban areas</i>	1 235	1 259	1 274	1 268	1 279	1 294	1 283	1 276
Leeds	1 085	1 094	1 103	1 151	1 151	1 155	1 158	1 164
Glasgow	805	818	815	824	855	860	865	885
Liverpool	480	493	493	499	510	504	507	510
Sheffield	437	443	453	474	478	482	482	482
Newcastle upon Tyne	460	482	488	498	512	514	513	514
<i>an regional metropolitan areas</i>	842	855	864	880	891	893	895	898
United Kingdom	27 618	27 917	28 186	28 485	28 782	29 080	29 314	29 569
	2009	2010	2011	2012	2013	2014	2015	
Paris	6 032	6 011	6 090	6 121	6 153	6 184	6 202	
Lyon	928	934	945	956	966	975	985	
Marseille	729	728	735	739	744	753	755	
Lille	536	537	541	539	537	539	540	
Toulouse	577	582	592	602	609	615	621	
Bordeaux	495	499	507	515	523	528	534	
Nantes	390	394	400	407	408	413	416	
Nice	344	343	346	347	347	346	348	
<i>an regional metropolitan areas</i>	571	574	581	586	591	596	600	
Metropolitan France	26 859	26 888	27 099	27 185	27 252	27 373	27 434	
Londres	5 894	5 898	5 969	6 188	6 317	6 556	6 716	
Manchester	1 449	1 463	1 443	1 460	1 483	1 525	1 540	
<i>West Midlands urban areas</i>	1 216	1 226	1 229	1 255	1 266	1 282	1 317	
Leeds	1 150	1 163	1 167	1 170	1 180	1 196	1 232	
Glasgow	840	808	810	800	796	839	854	
Liverpool	505	503	504	502	502	514	515	
Sheffield	474	471	475	477	474	490	495	
Newcastle upon Tyne	519	515	506	506	505	504	524	
<i>an regional metropolitan areas</i>	879	878	876	881	886	907	925	
United Kingdom	29 144	29 234	29 351	29 693	29 952	30 709	31 306	

Source : OECD

**Evolution of employment in French and British main metropolitan areas (2001-2015), thousands,
2001=100**

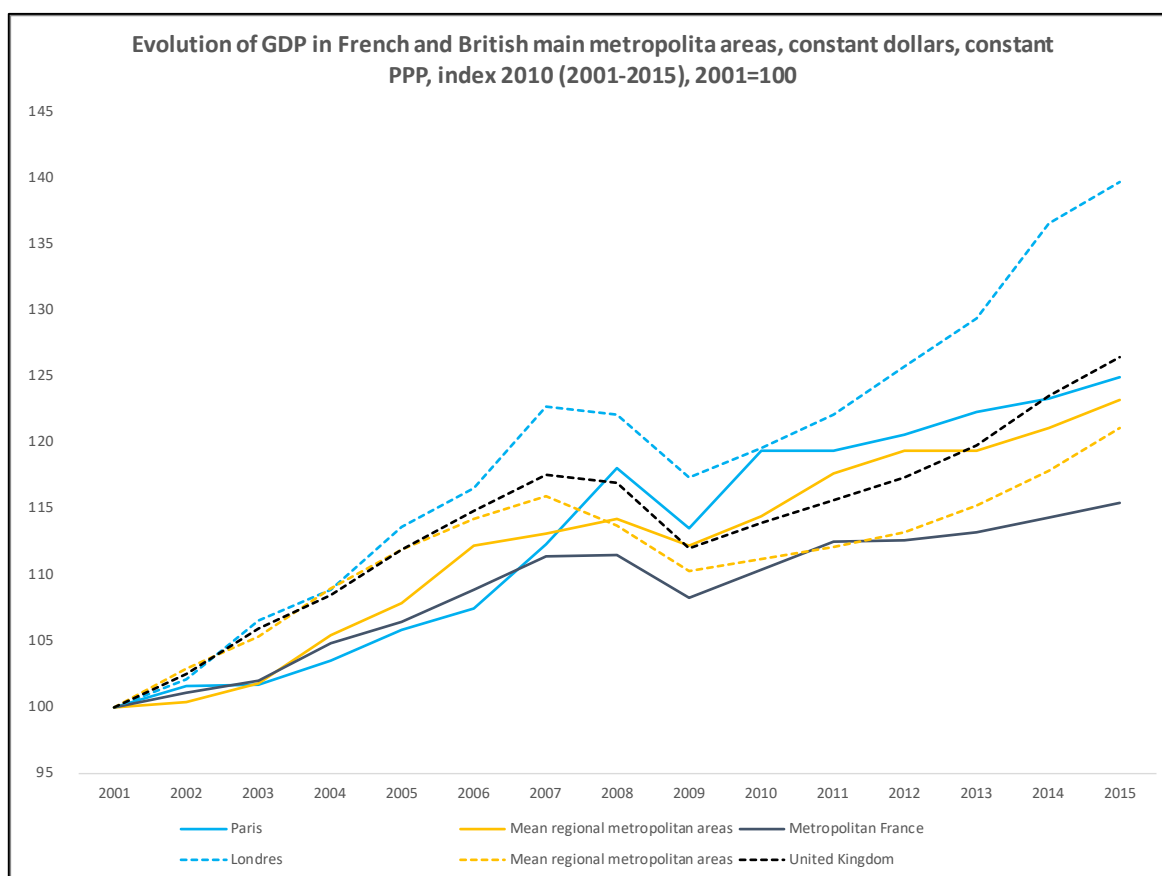
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Paris	100	100	99	98	99	101	102	103	102	101	103	103	104	104	105
<i>Lyon</i>	100	100	100	101	101	103	106	107	106	106	108	109	110	111	112
<i>Marseille</i>	100	102	103	104	105	106	108	109	109	109	110	110	111	112	113
<i>Lille</i>	100	101	100	100	99	101	102	102	101	101	102	102	101	102	102
<i>Toulouse</i>	100	101	103	104	106	109	111	113	114	115	117	119	120	121	122
<i>Bordeaux</i>	100	101	101	102	103	105	107	108	109	109	111	113	115	116	117
<i>Nantes</i>	100	101	102	103	105	107	110	112	110	111	113	115	116	117	118
<i>Nice</i>	100	101	103	103	104	106	107	109	107	107	108	108	108	108	108
<i>Mean regional metropolitan areas FR</i>	100	101	102	102	103	105	107	108	108	108	109	110	111	112	113
Metropolitan France	100	100	100	101	101	102	104	104	103	103	104	104	105	105	105
Londres	100	99	100	100	101	102	103	106	104	104	106	110	112	116	119
<i>Manchester</i>	100	100	102	104	104	103	104	104	104	105	104	105	106	109	111
<i>West Midlands urban areas</i>	100	102	103	103	104	105	104	103	98	99	99	102	102	104	107
<i>Leeds</i>	100	101	102	106	106	107	107	107	106	107	108	108	109	110	114
<i>Glasgow</i>	100	102	101	102	106	107	107	110	104	100	101	99	99	104	106
<i>Liverpool</i>	100	103	103	104	106	105	106	106	105	105	105	105	105	107	107
<i>Sheffield</i>	100	101	104	109	109	110	110	110	108	108	109	109	108	112	113
<i>Newcastle upon Tyne</i>	100	105	106	108	111	112	111	112	113	112	110	110	110	110	114
<i>Mean regional metropolitan areas UK</i>	100	102	103	105	106	106	106	107	104	104	104	105	105	108	110
United Kingdom	100	101	102	103	104	105	106	107	106	106	106	108	108	111	113



Source : OECD

Evolution of GDP in French and British main metropolitan areas (2001-2015), constant million dollars, constant PPP, index 2010, 2001=100

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Paris	100	102	102	103	106	107	112	118	114	119	119	121	122	123	125
<i>Lyon</i>	100	99	100	105	106	111	112	117	113	116	119	121	121	123	125
<i>Marseille</i>	100	100	102	106	109	113	113	113	111	116	117	121	118	119	120
<i>Lille</i>	100	102	104	106	107	110	112	113	109	109	113	111	112	112	113
<i>Toulouse</i>	100	101	103	105	110	119	117	120	120	119	125	130	133	137	140
<i>Bordeaux</i>	100	100	101	104	106	110	111	108	109	111	115	116	114	118	120
<i>Nantes</i>	100	101	103	106	109	112	114	116	113	113	119	120	122	123	128
<i>Nice</i>	100	100	102	106	108	111	112	110	107	112	113	113	112	112	113
<i>Mean regional metropolitan areas</i>	100	100	102	105	108	112	113	114	112	114	118	119	119	121	123
Metropolitan France	100	101	102	105	106	109	111	112	108	110	113	113	113	114	115
Londres	100	102	107	109	114	117	123	122	117	120	122	126	129	136	140
<i>Manchester</i>	100	103	105	108	112	114	117	115	112	114	113	116	120	120	124
<i>West Midlands urban areas</i>	100	102	102	105	107	108	110	107	102	105	106	107	109	113	116
<i>Leeds</i>	100	103	107	111	114	115	119	115	111	111	113	113	115	116	121
<i>Glasgow</i>	100	101	104	108	113	115	114	115	112	109	110	111	114	121	121
<i>Liverpool</i>	100	104	109	111	113	119	117	117	120	120	117	116	114	119	122
<i>Sheffield</i>	100	105	107	111	113	115	122	115	110	113	114	116	118	118	122
<i>Newcastle upon Tyne</i>	100	106	108	114	118	121	119	119	113	115	120	120	118	121	123
<i>Mean regional metropolitan areas</i>	100	103	105	109	112	114	116	114	110	111	112	113	115	118	121
United Kingdom	100	103	106	108	112	115	118	117	112	114	116	117	120	123	126



Source : OECD

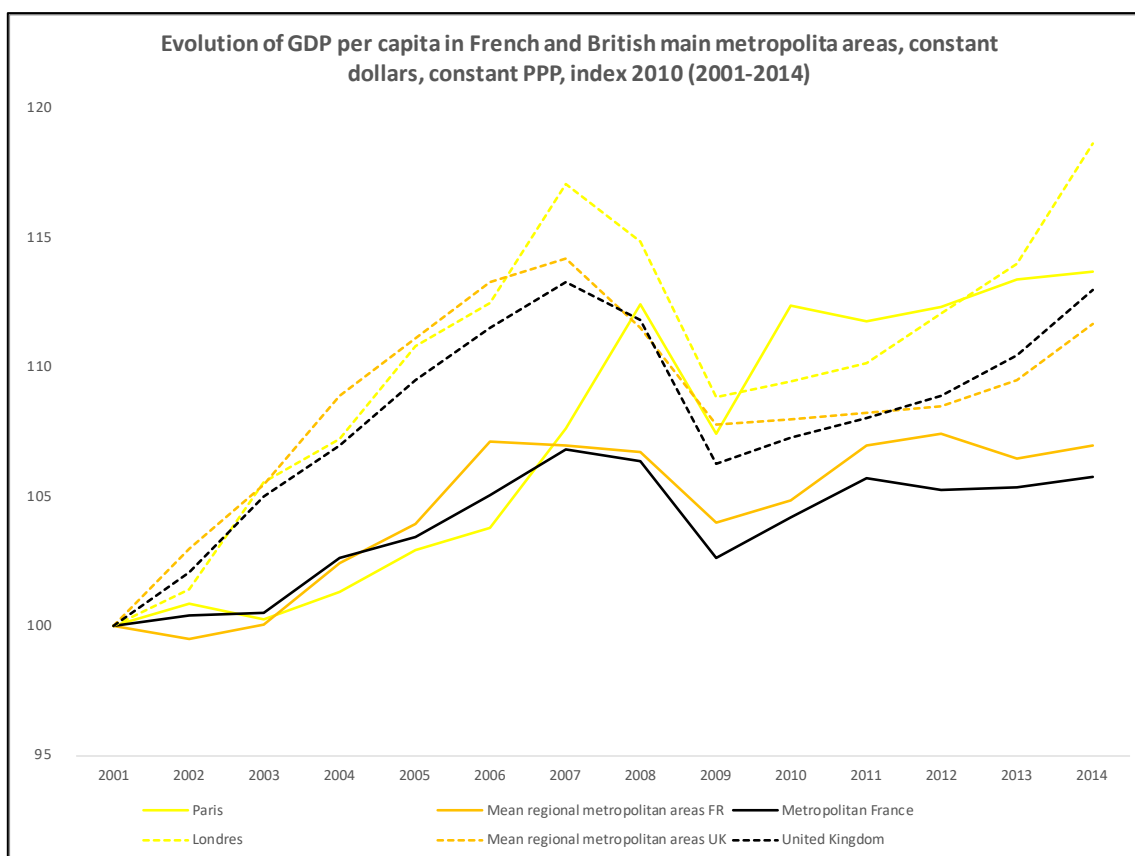
Evolution of GDP per capita in French and British main metropolitan areas (2001-2015), constant dollars, constant PPP, index 2010

	2001	2002	2003	2004	2005	2006	2007	2008
Paris	54 055	54 514	54 187	54 755	55 636	56 094	58 190	60 770
Lyon	41 609	40 975	41 015	42 532	42 800	44 310	44 438	45 843
Marseille	34 009	33 669	34 004	35 348	36 112	36 857	36 703	36 429
Lille	29 887	30 283	30 737	31 248	31 464	32 217	32 683	32 661
Toulouse	38 592	38 406	38 177	38 442	39 594	42 078	40 622	41 044
Bordeaux	35 745	35 416	35 364	35 871	36 150	37 148	37 252	35 892
Nantes	34 685	34 559	34 976	35 657	36 147	36 812	37 240	37 431
Nice	34 537	34 508	34 896	36 023	36 578	37 399	37 529	36 488
an regional metropolitan areas	35 581	35 402	35 596	36 446	36 978	38 117	38 067	37 970
Metropolitan France	35 786	35 927	35 975	36 723	37 015	37 599	38 220	38 067
Londres	49 082	49 776	51 805	52 642	54 389	55 212	57 469	56 386
Manchester	30 037	30 844	31 262	32 052	32 988	33 517	34 099	33 070
West Midlands urban areas	28 882	29 234	29 319	30 062	30 267	30 344	30 764	29 697
Leeds	29 056	29 839	30 757	31 735	32 228	32 475	33 168	31 932
Glasgow	29 281	29 468	30 474	31 654	33 106	33 702	33 224	33 568
Liverpool	26 020	27 022	28 494	28 989	29 301	30 802	30 518	30 304
Sheffield	23 839	25 049	25 417	26 207	26 282	26 759	28 272	26 459
Newcastle upon Tyne	25 111	26 527	27 029	28 654	29 402	30 161	29 453	29 389
an regional metropolitan areas	27 461	28 283	28 965	29 908	30 511	31 109	31 357	30 631
United Kingdom	33 449	34 140	35 118	35 774	36 633	37 311	37 898	37 403
	2009	2010	2011	2012	2013	2014	2015	
Paris	58 062	60 754	60 419	60 725	61 301	61 469	61 883	
Lyon	43 956	44 814	45 569	45 536	45 114	45 349	46 913	
Marseille	35 701	37 004	37 073	38 214	37 295	37 481	NA	
Lille	31 536	31 351	32 188	31 591	31 700	31 537	32 650	
Toulouse	40 471	39 585	40 800	41 840	42 275	42 799	42 730	
Bordeaux	35 691	36 001	36 728	36 510	35 366	36 025	37 405	
Nantes	36 251	35 588	36 836	36 644	36 453	36 452	38 736	
Nice	35 413	36 799	37 198	37 189	36 980	36 752	37 400	
Mean regional metropolitan areas FR	37 003	37 306	38 056	38 218	37 883	38 056	39 306	
Metropolitan France	36 737	37 290	37 837	37 673	37 698	37 856	38 063	
Londres	53 436	53 729	54 060	55 014	55 954	58 243	58 827	
Manchester	32 155	32 402	31 909	32 568	33 644	33 434	34 318	
West Midlands urban areas	27 980	28 694	28 775	28 827	29 160	30 114	30 616	
Leeds	30 595	30 289	30 783	30 649	30 926	31 143	32 254	
Glasgow	32 491	31 408	31 628	31 726	32 741	34 451	34 358	
Liverpool	31 088	31 079	30 220	29 751	29 313	30 356	30 911	
Sheffield	25 153	25 671	25 697	25 921	26 219	26 051	26 814	
Newcastle upon Tyne	27 768	28 020	29 088	29 136	28 450	29 160	29 525	
Mean regional metropolitan areas UK	29 604	29 652	29 729	29 797	30 065	30 673	31 257	
United Kingdom	35 551	35 879	36 131	36 425	36 954	37 794	38 384	

Source : OECD

Evolution of GDP per capita in French and British main metropolitan areas (2001-2015), constant dollars, constant PPP, index 2010, 2001=100

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Paris	100	101	100	101	103	104	108	112	107	112	112	112	113	114	114
<i>Lyon</i>	100	98	99	102	103	106	107	110	106	108	110	109	108	109	113
<i>Marseille</i>	100	99	100	104	106	108	108	107	105	109	109	112	110	110	NA
<i>Lille</i>	100	101	103	105	105	108	109	109	106	105	108	106	106	106	109
<i>Toulouse</i>	100	100	99	100	103	109	105	106	105	103	106	108	110	111	111
<i>Bordeaux</i>	100	99	99	100	101	104	104	100	100	101	103	102	99	101	105
<i>Nantes</i>	100	100	101	103	104	106	107	108	105	103	106	106	105	105	112
<i>Nice</i>	100	100	101	104	106	108	109	106	103	107	108	108	107	106	108
<i>Mean regional metropolitan areas FR</i>	100	99	100	102	104	107	107	107	104	105	107	107	106	107	NA
Metropolitan France	100	100	101	103	103	105	107	106	103	104	106	105	105	106	106
Londres	100	101	106	107	111	112	117	115	109	109	110	112	114	119	120
<i>Manchester</i>	100	103	104	107	110	112	114	110	107	108	106	108	112	111	114
<i>East Midlands urban area</i>	100	101	102	104	105	105	107	103	97	99	100	100	101	104	106
<i>Leeds</i>	100	103	106	109	111	112	114	110	105	104	106	105	106	107	111
<i>Glasgow</i>	100	101	104	108	113	115	113	115	111	107	108	108	112	118	117
<i>Liverpool</i>	100	104	110	111	113	118	117	116	119	119	116	114	113	117	119
<i>Sheffield</i>	100	105	107	110	110	112	119	111	106	108	108	109	110	109	112
<i>Newcastle upon Tyne</i>	100	106	108	114	117	120	117	117	111	112	116	116	113	116	118
<i>Mean regional metropolitan areas UK</i>	100	103	105	109	111	113	114	112	108	108	108	109	109	112	114
United Kingdom	100	102	105	107	110	112	113	112	106	107	108	109	110	113	115



Source : OECD

Analysis of wage employment created in Paris and the approached regional metropolises (1989-2013)

Wage employment evolution (1989-2013) THOUSANDS	TOTAL	Agriculture	Industry	Construction	Market services	Non market services
Paris and petite couronne / Equivalent core	193	0	-331	-64	502	86
Région Ile-de-France / Equivalent Paris FUR	574	-1	-397	-69	837	204
Rhône (Lyon)	153	0	-46	-2	135	66
Bouche-du-Rhône (Marseille)	167	-1	-17	-2	120	67
Nord (Lille)	121	0	-94	3	132	79
Haute-Garonne (Toulouse)	202	1	10	7	133	51
Gironde (Bordeaux)	161	4	-10	6	106	55
Loire-Atlantique (Nantes)	180	1	-4	8	125	51
Alpes-Maritimes (Nice)	74	0	-10	-6	55	36
Mean regional metropolitan areas	151	0	-24	2	115	58

Wage employment creation (1989-2013)	TOTAL CREATION	Agriculture	Industry	Construction	Market services	Non market services
Paris and petite couronne / Equivalent core	588	0%	NA	NA	85%	15%
Région Ile-de-France / Equivalent Paris FUR	1 041	NA	NA	NA	80%	20%
Rhône (Lyon)	201	0%	NA	NA	67%	33%
Bouche-du-Rhône (Marseille)	187	NA	NA	NA	64%	36%
Nord (Lille)	214	0%	NA	2%	62%	37%
Haute-Garonne (Toulouse)	202	0%	5%	4%	66%	25%
Gironde (Bordeaux)	171	2%	NA	4%	62%	32%
Loire-Atlantique (Nantes)	184	0%	NA	5%	68%	27%
Alpes-Maritimes (Nice)	91	0%	NA	NA	60%	40%
Mean regional metropolitan areas	179	0%	5%	3%	64%	33%

Wage employment creation (1989-2013)	Market services Creation	<i>of which wholesale and retail trade ; repair trade ; repair of motor vehicles and motorcycles</i>	<i>of which transportation and storage</i>	<i>of which accomodation and food service activities</i>	<i>of which Information and communication</i>
Paris and petite couronne / Equivalent core	540	NA	NA	12%	22%
Région Ile-de-France / Equivalent Paris FUR	837	3%	6%	11%	17%
Rhône (Lyon)	139	12%	7%	11%	12%
Bouche-du-Rhône (Marseille)	120	13%	7%	15%	5%
Nord (Lille)	132	8%	4%	11%	9%
Haute-Garonne (Toulouse)	133	14%	6%	9%	11%
Gironde (Bordeaux)	106	14%	5%	11%	7%
Loire-Atlantique (Nantes)	125	18%	8%	6%	11%
Alpes-Maritimes (Nice)	55	13%	5%	16%	13%
Mean regional metropolitan areas	116	13%	6%	11%	10%

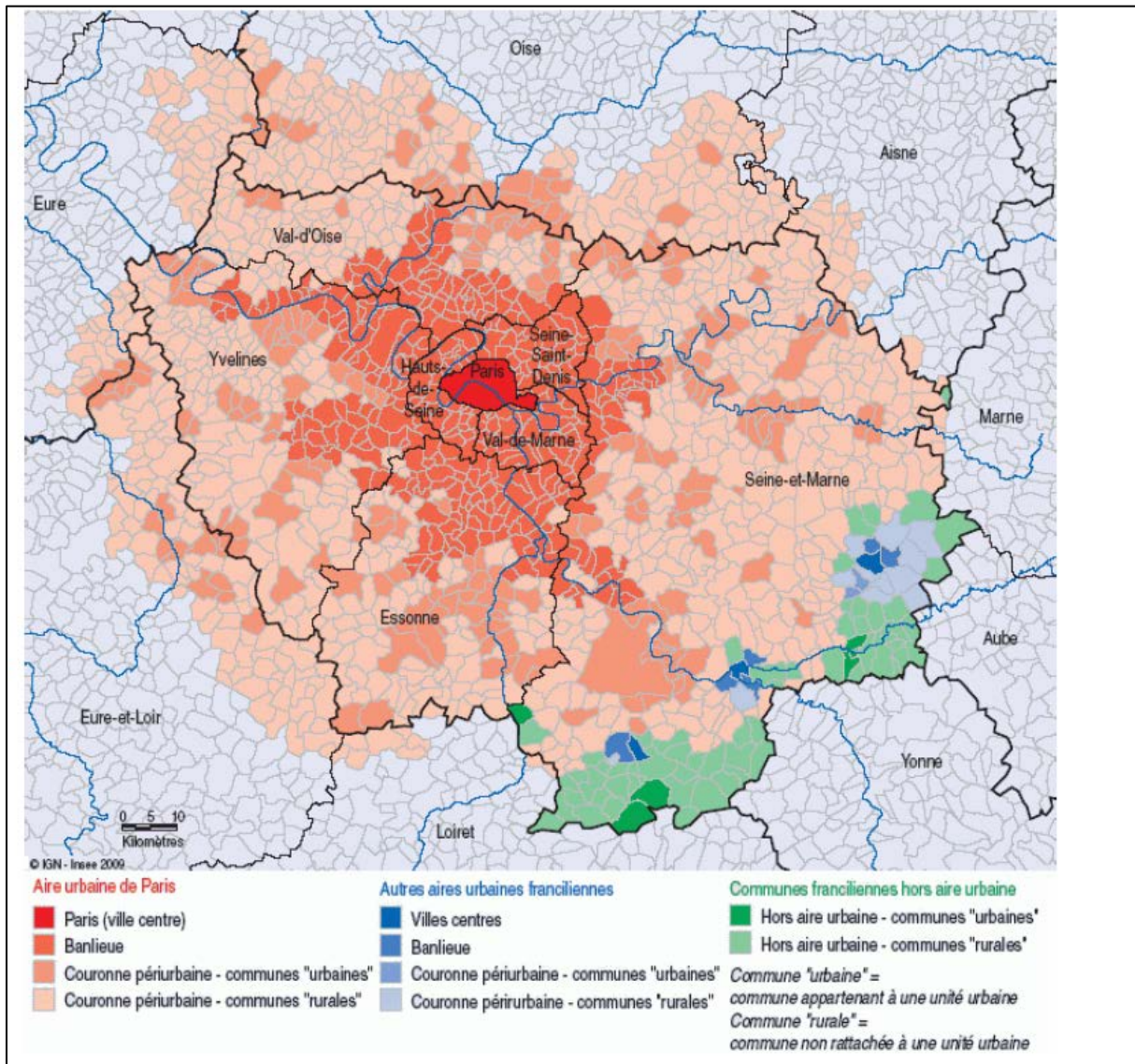
Wage employment creation (1989-2013)	<i>of which financial and insurance activities</i>	<i>of which real estate activities</i>	<i>of which professional, scientific and technical activities ; administrative and support activities</i>	<i>of which other services activities</i>
Paris and petite couronne / Equivalent core	4%	1%	41%	19%
Région Ile-de-France / Equivalent Paris FUR	4%	1%	40%	19%
Rhône (Lyon)	5%	NA	39%	13%
Bouche-du-Rhône (Marseille)	4%	1%	39%	16%
Nord (Lille)	7%	1%	47%	14%
Haute-Garonne (Toulouse)	5%	1%	41%	14%
Gironde (Bordeaux)	5%	2%	40%	16%
Loire-Atlantique (Nantes)	6%	2%	37%	11%
Alpes-Maritimes (Nice)	3%	-1%	34%	18%
Mean regional metropolitan areas	5%	1%	40%	15%

Wage employment creation (1989-2013)	<i>Professional, scientific and technical activities ; administrative and support activities</i> Creation	Legal, accounting, management, architecture, engineering, control and technical services	Scientific Research & Development	Other specialised services	Administrative and support activities
Paris and petite couronne / Equivalent core	220	56%	2%	4%	39%
Région Ile-de-France / Equivalent Paris FUR	335	46%	1%	3%	50%
Rhône (Lyon)	55	38%	6%	1%	55%
Bouche-du-Rhône (Marseille)	47	39%	5%	1%	55%
Nord (Lille)	62	34%	2%	4%	59%
Haute-Garonne (Toulouse)	55	49%	5%	3%	43%
Gironde (Bordeaux)	42	25%	9%	3%	63%
Loire-Atlantique (Nantes)	46	32%	4%	6%	59%
Alpes-Maritimes (Nice)	19	31%	15%	1%	54%
Mean regional metropolitan areas	47	35%	7%	3%	55%

Wage employment creation (1989-2013)	Non market services Creation	<i>of which Public administration</i>	<i>of which Education</i>	<i>of which Human health</i>	<i>of which Social work activities</i>
Paris and petite couronne / Equivalent core	86	6%	37%	-22%	79%
Région Ile-de-France / Equivalent Paris FUR	204	40%	4%	-8%	65%
Rhône (Lyon)	66	40%	14%	-2%	47%
Bouche-du-Rhône (Marseille)	67	43%	9%	4%	44%
Nord (Lille)	79	34%	-4%	12%	58%
Haute-Garonne (Toulouse)	51	43%	16%	3%	38%
Gironde (Bordeaux)	55	43%	7%	2%	48%
Loire-Atlantique (Nantes)	51	36%	2%	13%	49%
Alpes-Maritimes (Nice)	36	47%	9%	8%	37%
Mean regional metropolitan areas	58	41%	8%	6%	46%

CHAPTER 3

The "aire urbaine" of Paris



Source: INSEE (map generated in 2009 with data from the 2006 census)

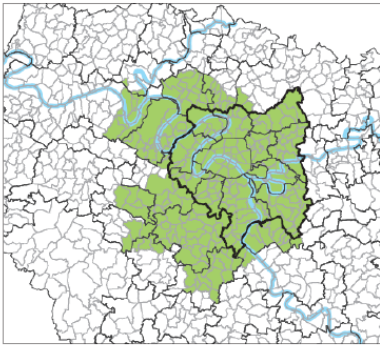
The merging of communes during the second half of the 20th century in Europe

COUNTRIES	Reference year	Number of "communes" (most local lawyer) at the reference year	Number of "communes" (most local lawyer) in 2013	Evolution (%) in (years)		Number of lawyers of local authorities	Mean population by "commune" in 2013
Allemagne	1952	24 272	11 197	-54%	61	3	7 301
Autriche	1950	3 999	2 356	-41%	63	2	3 553
Belgique	1950	2 669	596	-78%	63	3	18 260
Danemark	1950	1 387	277	-80%	63	2	20 022
Espagne	1950	9 214	8 109	-12%	63	3	5 682
France	1950	38 800	36 700	-5%	63	3	1 766
Italie	1950	7 781	8 092	4%	63	3	7 473
Pays-Bas	1950	1 015	441	-57%	63	2	37 667
Portugal	1950	303	305	1%	63	1	34 872
Royaume-Uni	1950	2 028	238	-88%	63	1	261 324
Suède	1950	2 281	290	-87%	63	2	32 338

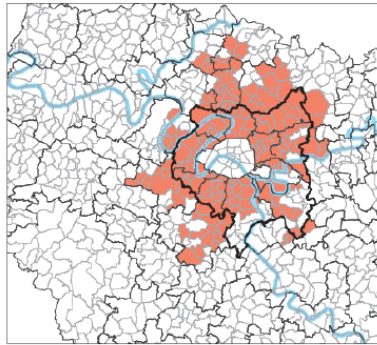
Source: This data comes from 2013 report on the Chiffres-clés de l'Europe locale et régionale by Dexia Crédit Local and the CCRE

The « syndicat intercommunaux » for urban utilities

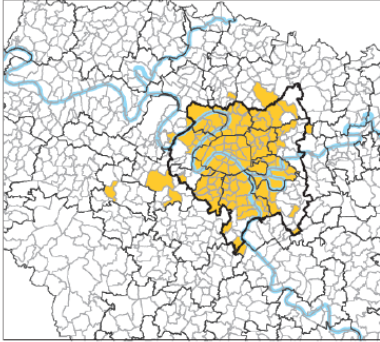
SIAAP - 282 communes
(assainissement)



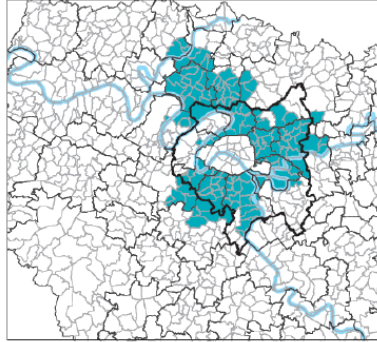
SIGEIF - 185 communes
(gaz et électricité)



SIPPEREC - 105 communes
(énergie et réseau de communication)



SEDIF - 150 communes
(alimentation en eau potable)



LES GRANDS SYNDICATS URBAINS

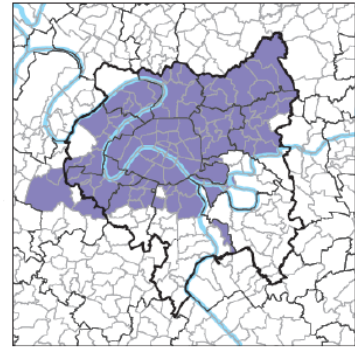
2017

Région Ile-de-France

Territoire des communes couvertes par les grands syndicats

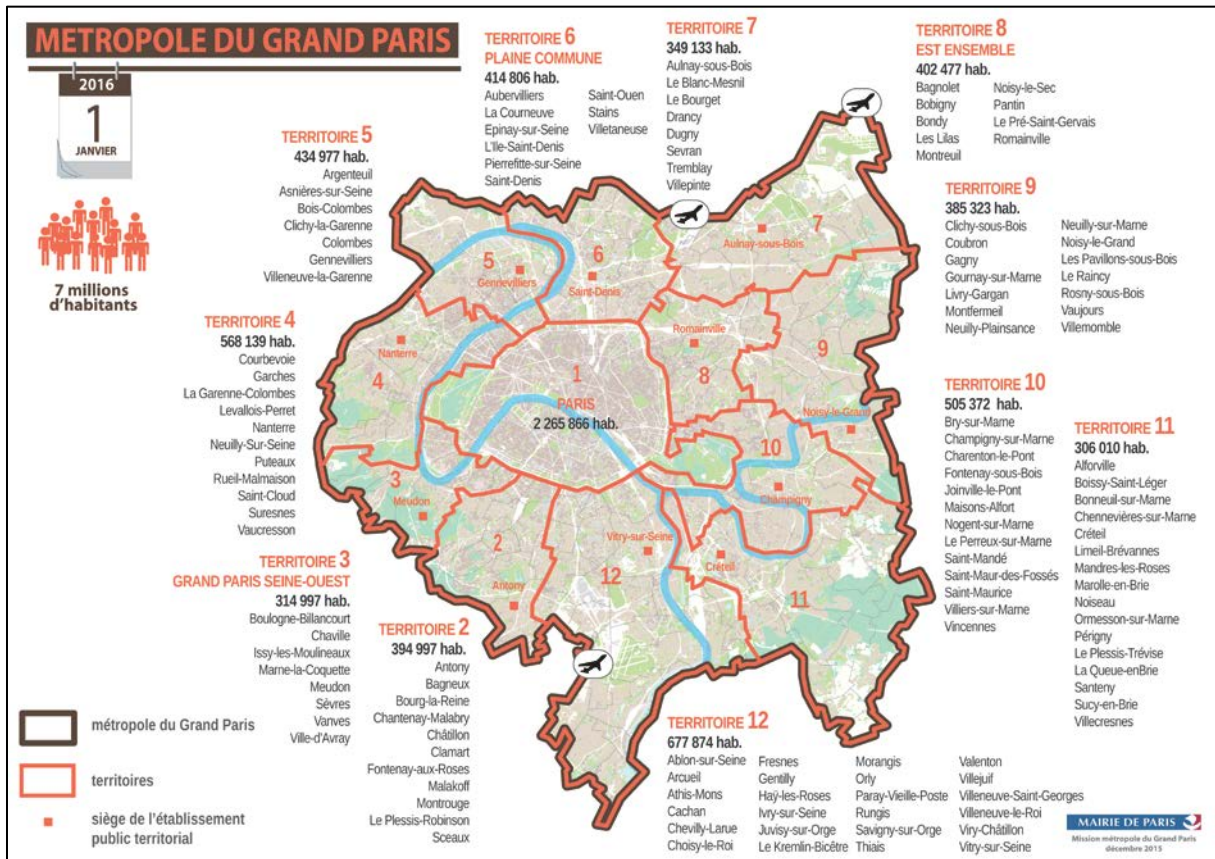
-  commune
-  EPT, EPCI
-  Métropole du Grand Paris

SYCTOM - 84 communes
(traitement des déchets ménagers)



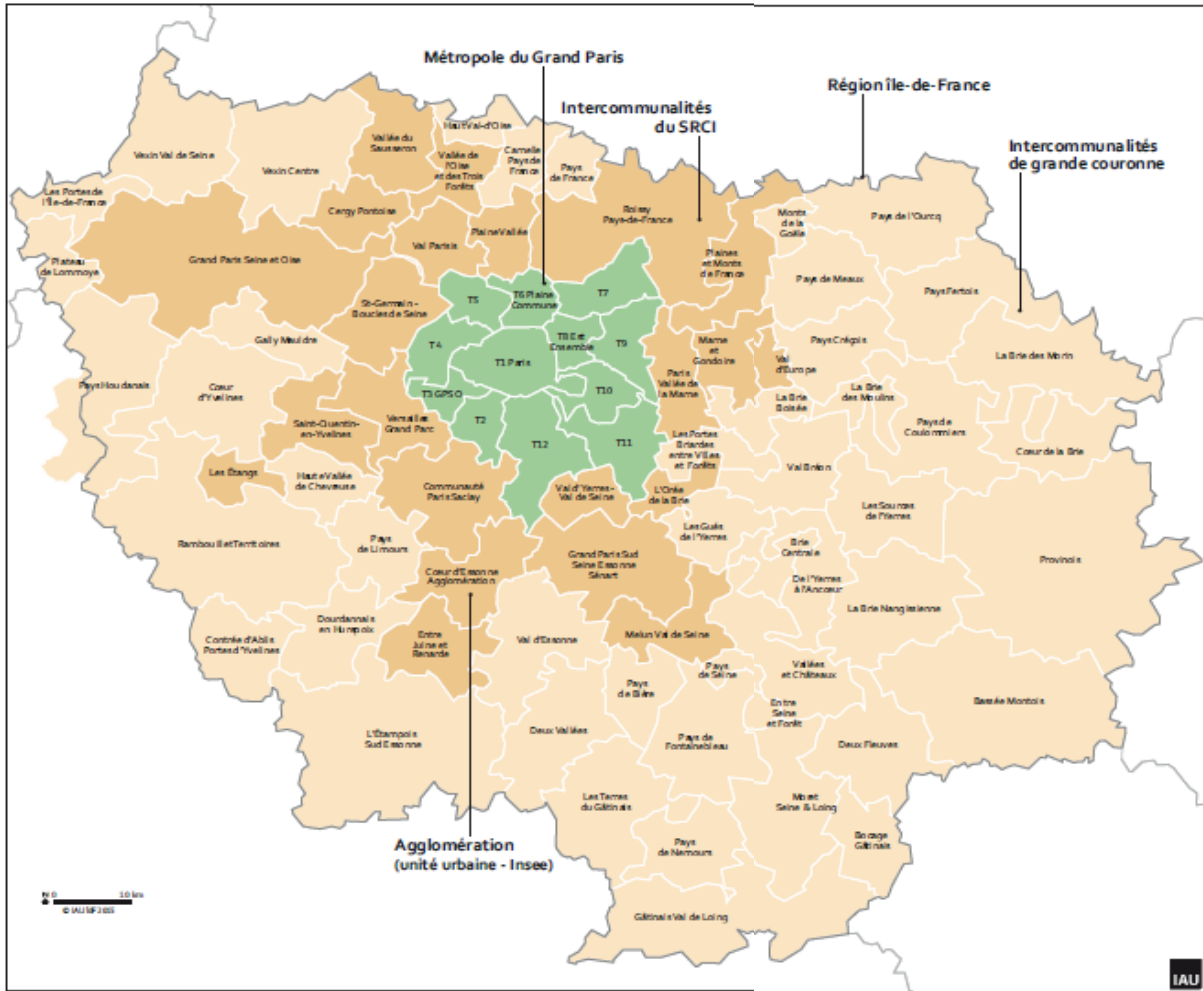
Source : Institut Paris Region

The Metropole du Grand Paris and the 12 Etablissements Publics Territoriaux (EPT)



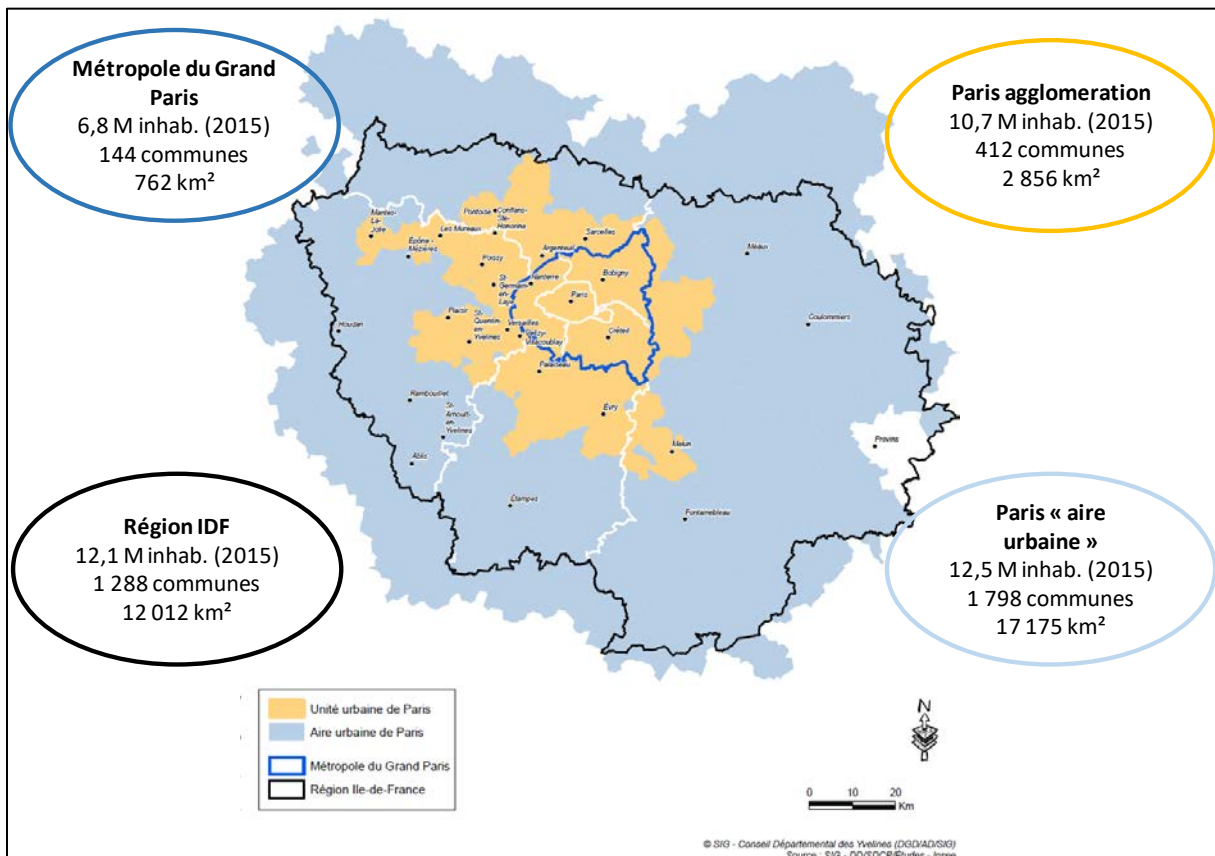
Source: Mairie de Paris

The intercommunalités in the Paris region since January 1st, 2016

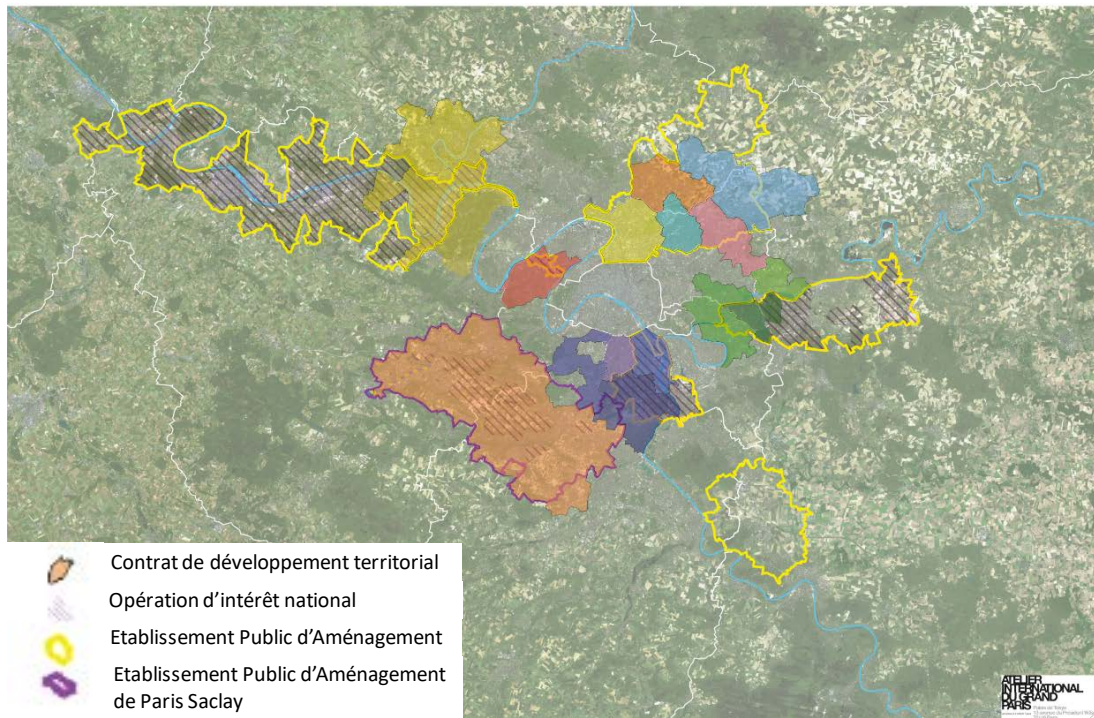


Source: Institut Paris Region

Morphological, functional and institutional scales in Paris



The indirect presence of the central government in the Paris region in 2011



Source: Atelier International du Grand Paris

The Greater London Authority and the figure of the Mayor



Ken Livinstone
(2000-2008)



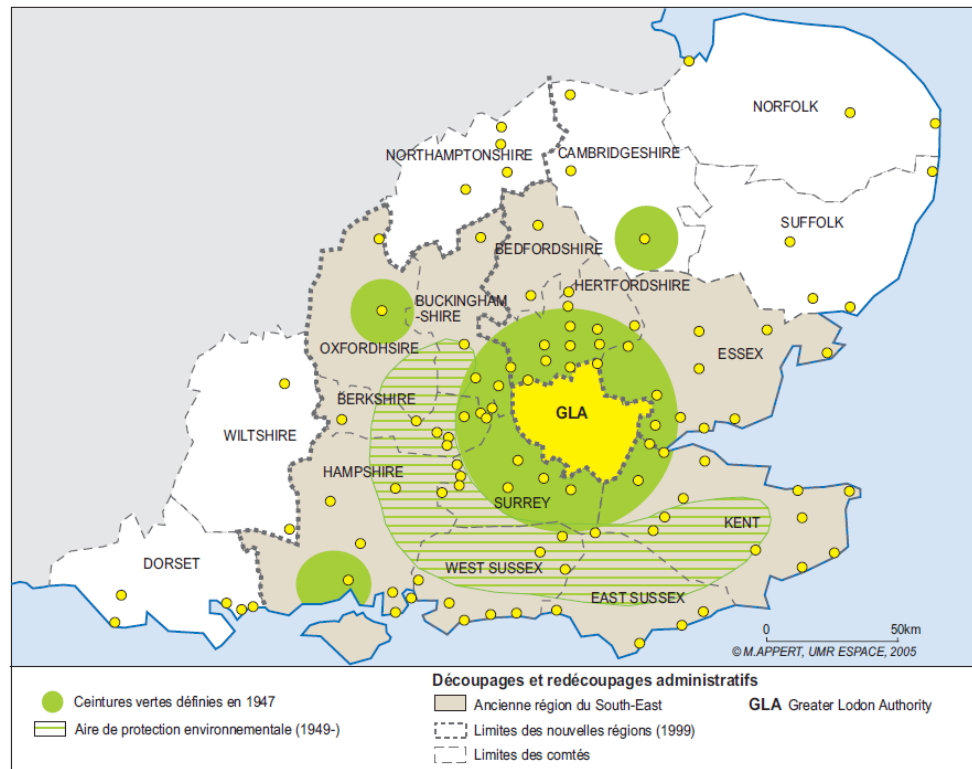
Boris Jonhson
(2008-2016)



Sadiq Kahn
(2016-)

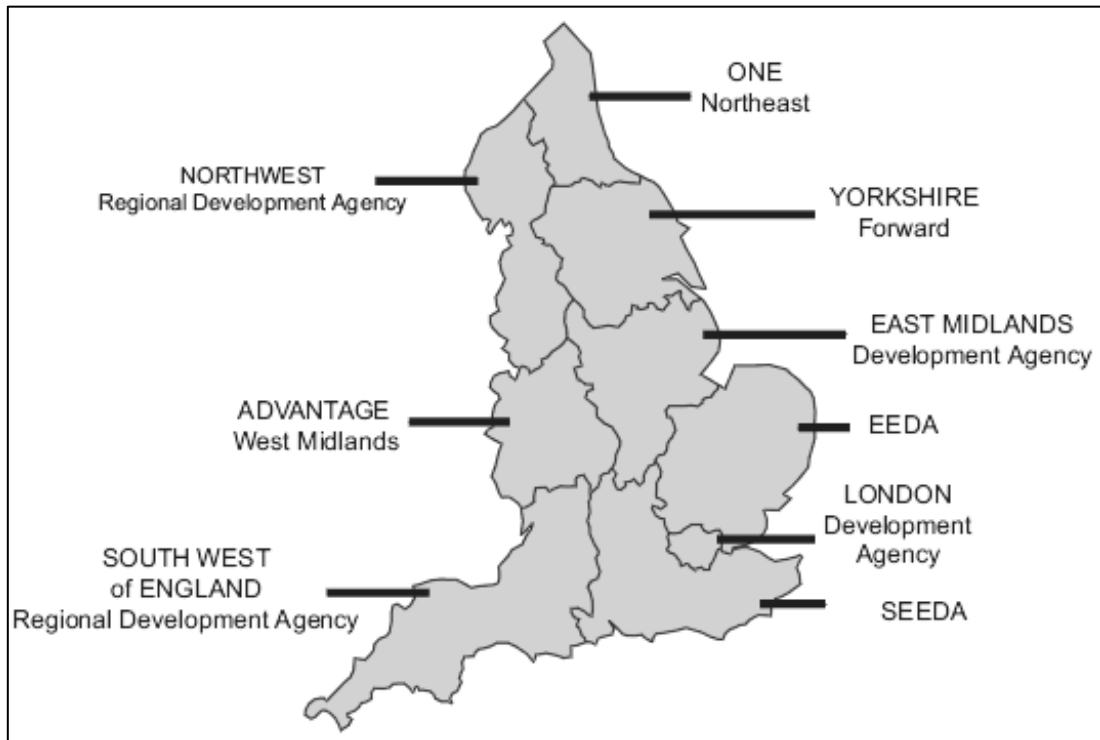


The local authorities of the Greater South East



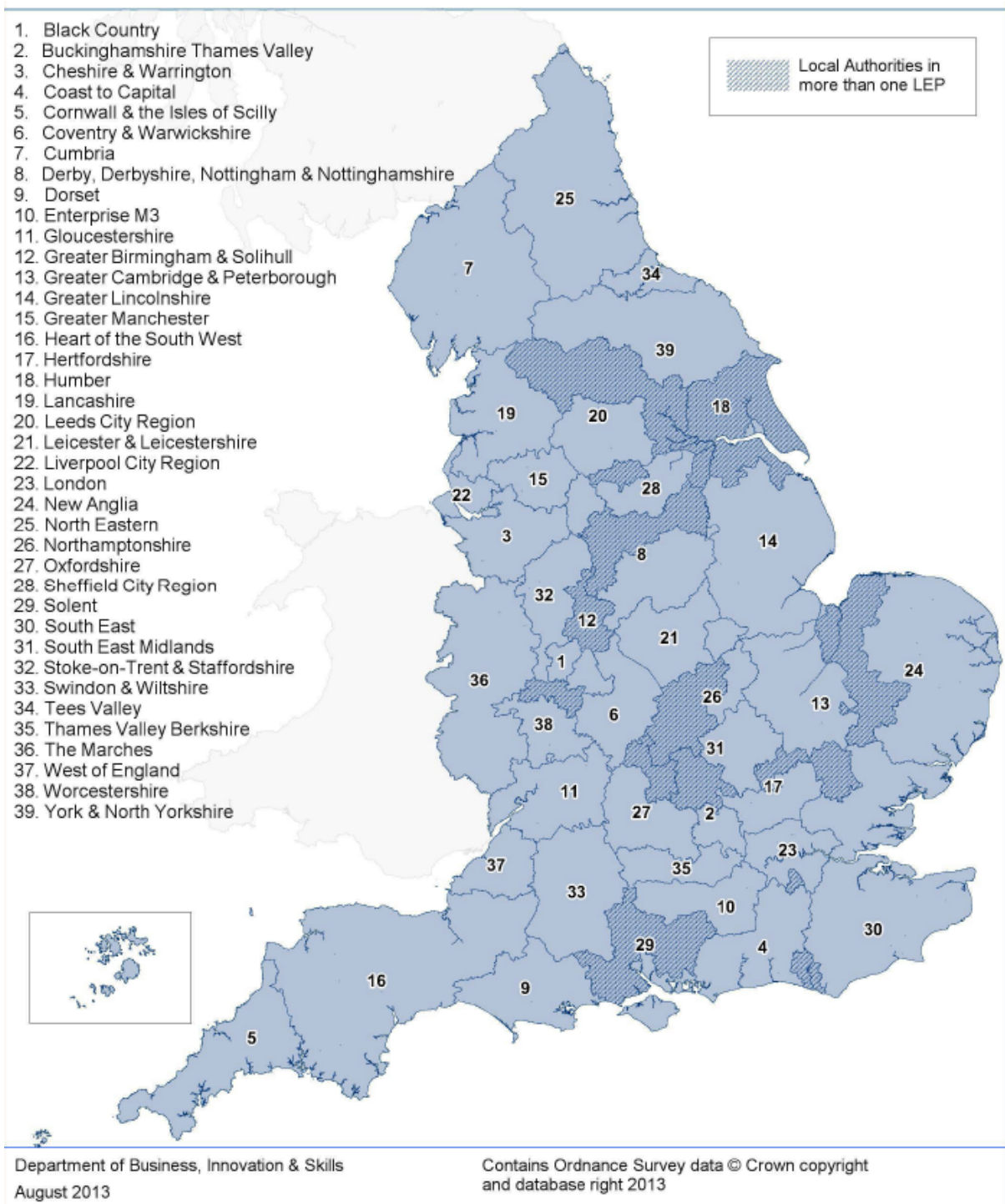
Source: (Appert, 2005, pp. 3–8)

The Regional Development Agencies in England (1998-2010)



Source: House of Commons

Local Enterprise Partnerships in England in 2013



Source: Department of Business, Innovation and Skills

Sub-national government structure and municipal structure in the main West-European countries

Reference year	2016						
Indicator	Value						
	Number of subnational governments				Municipal structure		
	Municipal level (number of SNG)	Intermediary level (number of SNG)	Regional or state level (number of SNG)	Total (number of SNG)	Average number of inhabitants per municipality	Average number of municipalities (per 100 000 inhabitants)	Average municipal area
Unit	Number	Number	Number	Number	Inhabitants	Per 100 000 inhabitants	Square kilometres
Country							
Germany	11 054	401	16	11 471	7 449	13	32
Spain	8 124	50	17	8 191	5 720	17	62
France	35 357	101	18	35 476	1 885	53	16
Italy	7 960	..	20	7 980	7 617	13	37
United Kingdom	391	27	3	421	167 898	1	620
OECD 26 unitary countries	65 337	508	342	66 187	9 499	11	84
EU28-Total	86 840	969	263	88 072	5 887	17	49

Reference year	2016			
Indicator	As a percentage of general government, same transaction			
	Municipalities by population size class			
	Share of municipalities less than 2 000 inhabitants	Share of municipalities with 2 000 to 4 999 inhabitants	Share of municipalities with 5 000 to 19 999 inhabitants	Share of municipalities with 20 000 or more inhabitants
Unit	Percentage	Percentage	Percentage	Percentage
Country				
Germany	54	20	20	6
Spain	72	12	11	5
France	86	9	4	1
Italy	44	26	24	6
United Kingdom	-	-	-	100
OECD 26 unitary countries	ND	ND	ND	ND
EU28-Total	ND	ND	ND	ND

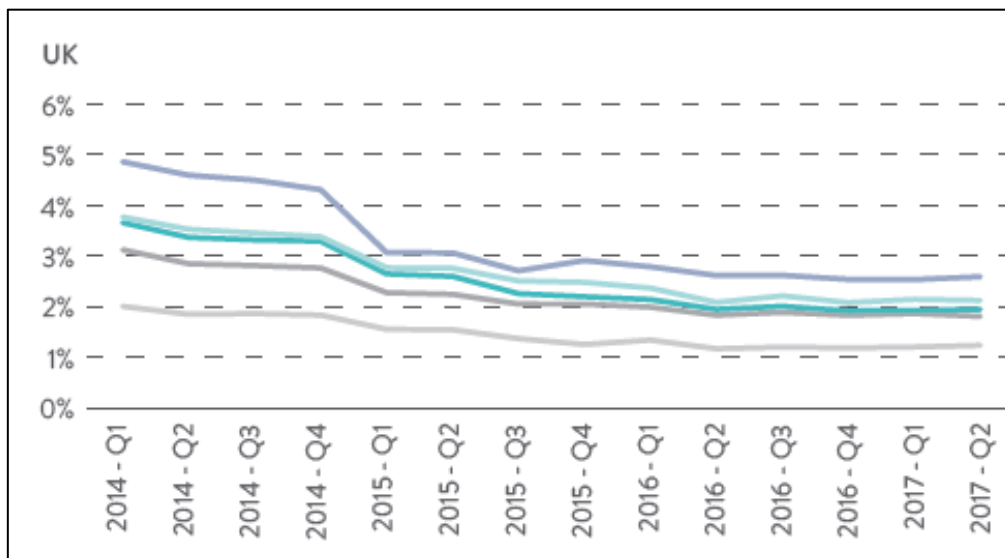
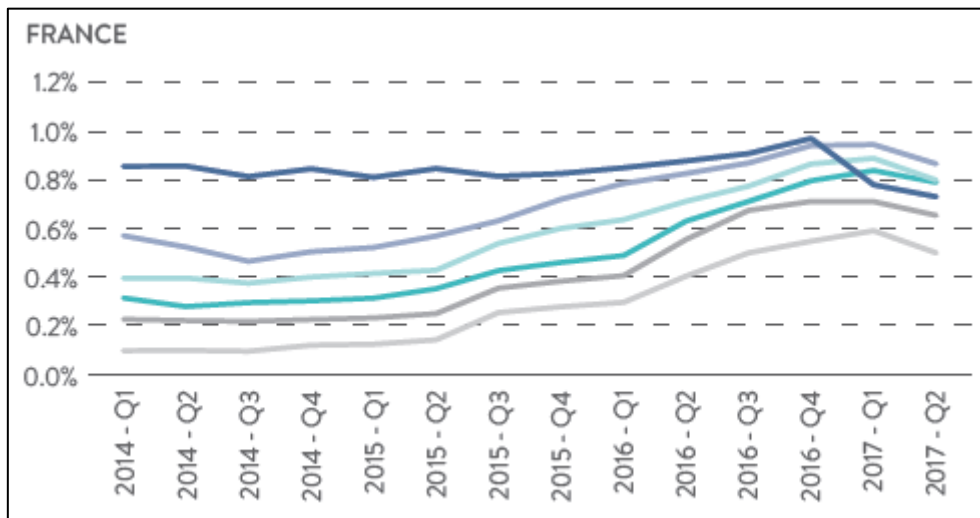
Source : OECD

**Total expenditures by government and subnational government in France and the United Kingdom
in 2016**

Reference year	2016						
Indicator	Total expenditures						
	General government			Subnational government			
	Value	Per capita	As percentage of GDP	Value	Per capita	As percentage of GDP	As a percentage of general government (same transaction)
Unit	<i>US Dollar, Billions</i>	<i>US Dollar</i>	<i>Percentage</i>	<i>US Dollar, Billions</i>	<i>US Dollar</i>	<i>Percentage</i>	<i>Percentage</i>
Country							
France	1 559	23 318	56	308	4 607	11	20
United Kingdom	1 161	17 684	42	281	4 283	10	24
OECD 26 unitary countries	ND	17 582	43	ND	4 663	11	25
EU28-Total	9 381	18 347	46	3 136	6 133	15	33

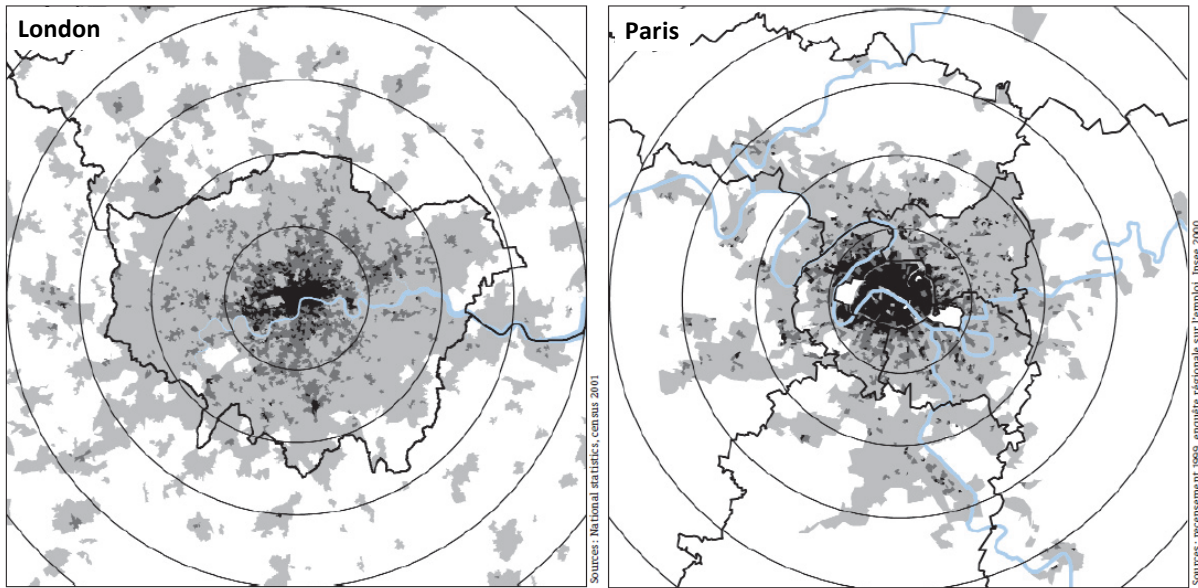
Source : OECD

Share of active loans that are delinquent or defaulted per country and loan-to-value (LTV) bucket



Source : (European Mortgage Federation ; 29)

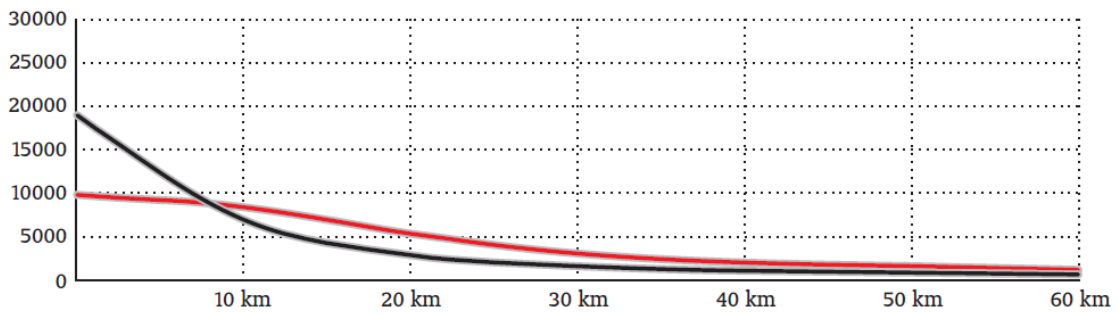
Density of population and employment per hectares



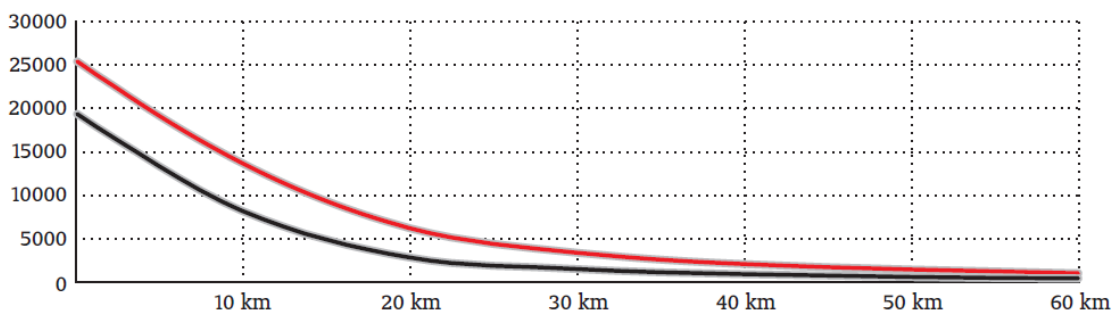
Source: (Rol-Tanguy and al., 2008, p. 15) / INSEE (2000 data) and ONS (Census 2001)

Density of population and employment when going away from the centre

London



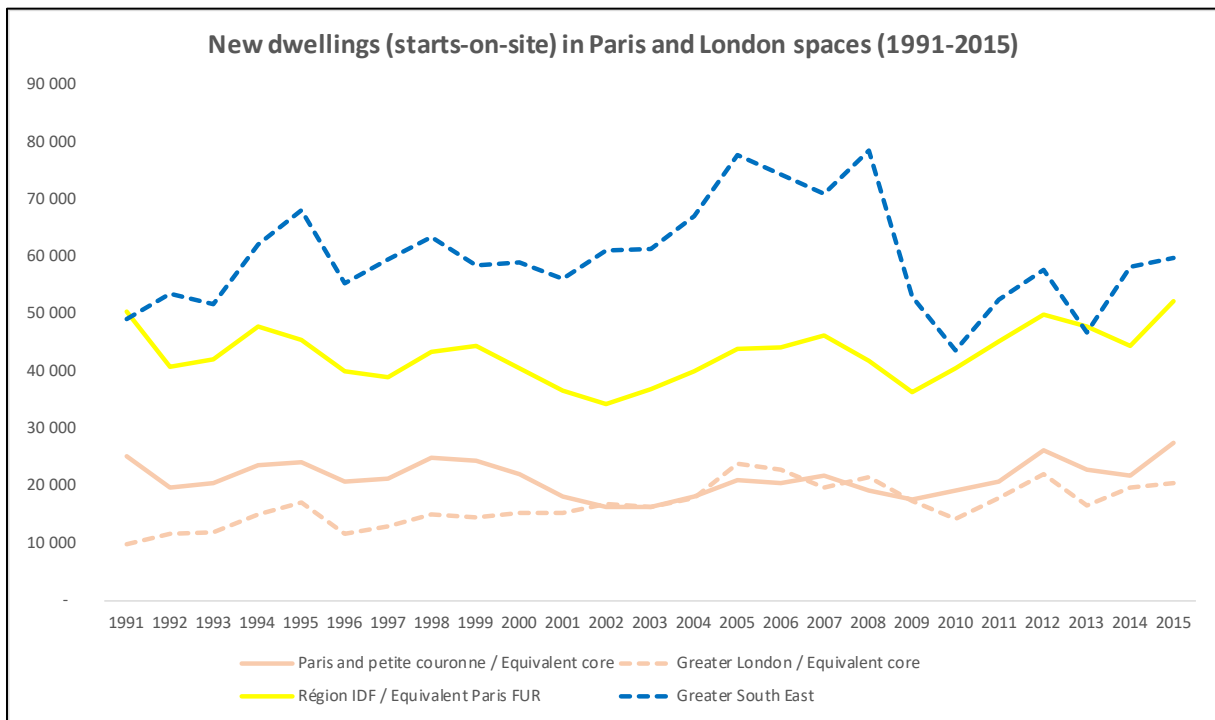
Paris



— Employment
— Population

Source : (Rol-Tanguy and al., 2008, p. 15)

New dwellings (starts-on-site) in Paris and London spaces (1991-2015)



Source: Sit@del (France) and ONS (UK)

Annual additional population and annual number of new dwellings (starts-on-site) in Paris and London spaces (1991-2015)

Additional population									
	1991	1992	1993	1994	1995	1996	1997	1998	1999
Paris and "petite couronne" / Equivalent core	2 803	3 808	- 1 675	4 493	- 5 494	- 1 246	120	7 527	20 002
Greater London / Equivalent core	30 528	94	15 083	29 036	39 596	61 284	40 431	50 659	88 415
Région IDF / Equivalent Paris FUR	50 891	57 720	40 138	39 809	25 752	24 873	11 579	17 195	33 390
Bassin parisien	87 592	93 305	75 364	64 092	51 136	44 622	31 648	30 686	40 885
Greater South East	94 747	49 039	43 441	91 004	118 765	125 772	127 282	121 508	191 395
Metropolitan France	263 661	269 872	258 628	195 847	187 527	183 424	180 059	182 944	197 651
United Kingdom	201 200	145 800	129 400	148 200	162 700	139 600	149 800	160 700	209 500
	2000	2001	2002	2003	2004	2005	2006	2007	
Paris and "petite couronne" / Equivalent core	43 280	48 490	48 578	50 474	46 993	54 824	53 219	34 889	
Greater London / Equivalent core	82 800	85 691	54 268	18 146	37 913	86 279	78 816	95 648	
Région IDF / Equivalent Paris FUR	73 979	82 833	82 739	84 511	80 216	91 853	90 255	66 468	
Bassin parisien	100 360	-174 135	402 859	113 123	105 591	125 180	120 621	95 545	
Greater South East	154 524	144 033	108 236	102 323	117 520	210 164	190 422	223 418	
Metropolitan France	361 585	408 374	419 327	415 942	403 580	457 843	436 469	395 505	
United Kingdom	201 700	226 900	252 700	271 000	313 700	462 900	413 800	492 000	
	2008	2009	2010	2011	2012	2013	2014	2015	
Paris and "petite couronne" / Equivalent core	35 588	52 112	35 733	29 130	12 379	19 899	26 771	18 827	
Greater London / Equivalent core	118 688	130 433	118 901	142 912	103 962	109 031	122 000	127 400	
Région IDF / Equivalent Paris FUR	60 394	68 980	57 994	66 617	45 651	61 305	67 758	54 579	
Bassin parisien	88 356	93 698	77 353	85 610	68 588	79 647	85 226	58 947	
Greater South East	248 512	238 049	261 709	272 941	220 845	222 046	268 100	261 500	
Metropolitan France	339 628	330 843	299 526	305 109	305 627	321 894	330 093	272 863	
United Kingdom	504 700	436 700	499 000	525 600	419 900	400 700	491 100	513 200	

Source: Sitadel for France and ONS for the UK. This data relates to the "starts-on-site" ("logements commencés") and neither the dwellings authorized (only available in France) nor the dwellings completed (only available in the UK).

New dwellings (starts-on-site)									
	1991	1992	1993	1994	1995	1996	1997	1998	1999
Paris and petite couronne / Equivalent core	25 058	19 630	20 572	23 673	24 186	20 773	21 279	25 009	24 409
Greater London / Equivalent core	9 860	11 480	11 970	15 020	16 970	11 650	12 990	14 880	14 560
Région IDF / Equivalent Paris FUR	50 284	40 753	42 004	47 769	45 336	39 925	38 835	43 279	44 394
Bassin parisien	83 439	73 371	79 822	88 791	82 288	76 590	75 102	83 889	86 820
Greater South East	49 050	53 410	51 830	62 160	68 050	55 300	59 650	63 520	58 500
Metropolitan France	291 376	262 948	261 716	302 616	281 314	270 320	279 850	321 164	331 458
United Kingdom	167 150	172 760	171 210	197 120	204 690	175 230	195 100	198 150	186 720
	2000	2001	2002	2003	2004	2005	2006	2007	
Paris and petite couronne / Equivalent core	21 934	18 144	16 336	16 358	18 214	20 873	20 384	21 666	
Greater London / Equivalent core	15 300	15 140	16 890	16 340	17 980	23 870	22 900	19 560	
Région IDF / Equivalent Paris FUR	40 514	36 489	34 328	36 879	40 059	43 895	44 158	46 173	
Bassin parisien	79 463	76 676	74 548	80 881	91 564	101 983	106 730	105 969	
Greater South East	59 020	56 130	61 020	61 380	67 030	77 810	74 450	71 050	
Metropolitan France	314 648	315 043	321 158	341 818	390 666	437 827	461 095	454 229	
United Kingdom	192 900	183 480	194 140	197 110	213 190	224 540	234 270	222 900	
	2008	2009	2010	2011	2012	2013	2014	2015	
Paris and petite couronne / Equivalent core	19 213	17 697	19 122	20 746	26 187	22 718	21 699	27 433	
Greater London / Equivalent core	21 540	17 270	14 140	17 740	22 140	16 510	19 700	20 490	
Région IDF / Equivalent Paris FUR	41 805	36 224	40 501	45 169	49 987	47 673	44 466	52 138	
Bassin parisien	90 897	79 055	86 276	92 789	90 119	84 413	76 164	82 184	
Greater South East	78 600	53 040	43 610	52 390	57 640	46 750	58 270	59 770	
Metropolitan France	361 306	303 482	352 271	360 523	316 688	298 113	279 326	273 546	
United Kingdom	219 090	119 150	124 130	138 220	136 120	127 170	162 190	172 520	

Source: INSEE and ONS

Additional new dwellings per 1000 inhabitants (1991-2015)

New dwellings (starts-on-site) per 1000 inhabitants									
	1991	1992	1993	1994	1995	1996	1997	1998	1999
Paris and petite couronne / Equivalent core	4,09	3,20	3,35	3,86	3,94	3,39	3,47	4,08	3,97
Greater London / Equivalent core	1,45	1,68	1,75	2,19	2,47	1,69	1,86	2,12	2,06
Région IDF / Equivalent Paris FUR	4,72	3,81	3,91	4,43	4,18	3,68	3,57	3,97	4,07
Bassin parisien	4,14	3,63	3,93	4,35	4,02	3,74	3,65	4,08	4,21
Greater South East	2,52	2,73	2,64	3,16	3,44	2,78	2,98	3,15	2,89
Metropolitan France	5,15	4,63	4,58	5,27	4,89	4,68	4,83	5,53	5,69
United Kingdom	2,92	3,01	2,97	3,42	3,54	3,02	3,35	3,40	3,19
	2000	2001	2002	2003	2004	2005	2006	2007	
Paris and petite couronne / Equivalent core	3,56	2,92	2,61	2,60	2,87	3,26	3,16	3,33	
Greater London / Equivalent core	2,14	2,09	2,31	2,22	2,43	3,21	3,05	2,57	
Région IDF / Equivalent Paris FUR	3,70	3,31	3,09	3,30	3,55	3,87	3,86	4,00	
Bassin parisien	3,85	3,69	3,62	3,85	4,34	4,81	5,00	4,94	
Greater South East	2,89	2,72	2,94	2,94	3,20	3,69	3,50	3,31	
Metropolitan France	5,38	5,35	5,42	5,73	6,50	7,24	7,56	7,40	
United Kingdom	3,29	3,12	3,28	3,32	3,57	3,75	3,88	3,66	
	2008	2009	2010	2011	2012	2013	2014	2015	
Paris and petite couronne / Equivalent core	2,94	2,69	2,88	3,11	3,91	3,39	3,23	4,06	
Greater London / Equivalent core	2,80	2,21	1,78	2,20	2,70	1,99	2,34	2,40	
Région IDF / Equivalent Paris FUR	3,60	3,11	3,45	3,83	4,22	4,01	3,72	4,33	
Bassin parisien	4,22	3,65	3,97	4,26	4,12	3,84	3,46	3,72	
Greater South East	3,62	2,42	1,97	2,33	2,54	2,04	2,52	2,55	
Metropolitan France	5,85	4,88	5,64	5,74	5,02	4,70	4,39	4,27	
United Kingdom	3,57	1,93	1,99	2,20	2,15	2,00	2,53	2,67	

	Yearly average of new dwellings per 1000 inhabitants (1991-2015)
Metropolitan France	5,45
Bassin parisien	4,04
Région IDF / Equivalent Paris FUR	3,81
Paris and petite couronne / Equivalent core	3,35
United Kingdom	3,03
Greater South East	2,86
Greater London / Equivalent core	2,23

Total office floorspace in Paris and London spaces (thousands m²) (2000-2013)

Total office floorspace (thousands m ²)	2000	2001	2002	2003	2004	2005	2006
Paris and petite couronne / Equivalent core	32 048	32 515	32 901	33 147	34 212	34 779	35 381
Greater London / Equivalent core	24 102	24 409	24 865	25 186	25 340	25 046	24 761
Région IDF / Equivalent Paris FUR	43 292	44 205	44 509	45 205	46 852	47 537	48 329
Greater South East	43 662	44 569	45 615	46 141	46 367	45 664	45 389
	2007	2008	2009	2010	2011	2012	2013
Paris and petite couronne / Equivalent core	36 158	36 543	36 798	37 402	38 082	37 669	39 075
Greater London / Equivalent core	24 689	24 806	25 216	25 457	25 784	25 811	25 978
Région IDF / Equivalent Paris FUR	49 237	49 793	50 381	51 510	52 458	52 018	52 780
Greater South East	45 500	45 650	46 112	46 527	46 854	46 984	47 124

Source: *Observatoire Régionale de l'Immobilier d'Entreprise for Paris / Office for National Statistics for London*

Total employment in market services in Paris and London spaces (thousands) (2000-2013)

Total employment in market services (thousands)	2000	2001	2002	2003	2004	2005	2006
Paris and petite couronne / Equivalent core	2 351	2 408	2 395	2 361	2 375	2 411	2 448
Greater London / Equivalent core	2 959	2 960	2 873	2 853	2 878	2 945	2 986
Région IDF / Equivalent Paris FUR	3 194	3 277	3 272	3 243	3 261	3 312	3 370
Greater South East	6 472	6 523	6 469	6 429	6 474	6 600	6 691
	2007	2008	2009	2010	2011	2012	2013
Paris and petite couronne / Equivalent core	2 511	2 497	2 482	2 499	2 536	2 529	2 533
Greater London / Equivalent core	3 081	3 124	2 944	3 007	3 065	3 149	3 339
Région IDF / Equivalent Paris FUR	3 455	3 432	3 398	3 427	3 467	3 456	3 459
Greater South East	6 847	6 837	6 529	6 614	6 727	6 810	7 118

Source: *INSEE and ONS*

Average m² per employment in Paris and London spaces (2000-2013)

Average m ² per employment	2000	2001	2002	2003	2004	2005	2006
Paris and petite couronne / Equivalent core	14	14	14	14	14	14	14
Greater London / Equivalent core	8	8	9	9	9	9	8
Région IDF / Equivalent Paris FUR	14	13	14	14	14	14	14
Greater South East	7	7	7	7	7	7	7
	2007	2008	2009	2010	2011	2012	2013
Paris and petite couronne / Equivalent core	14	15	15	15	15	15	15
Greater London / Equivalent core	8	8	9	8	8	8	8
Région IDF / Equivalent Paris FUR	14	15	15	15	15	15	15
Greater South East	7	7	7	7	7	7	7

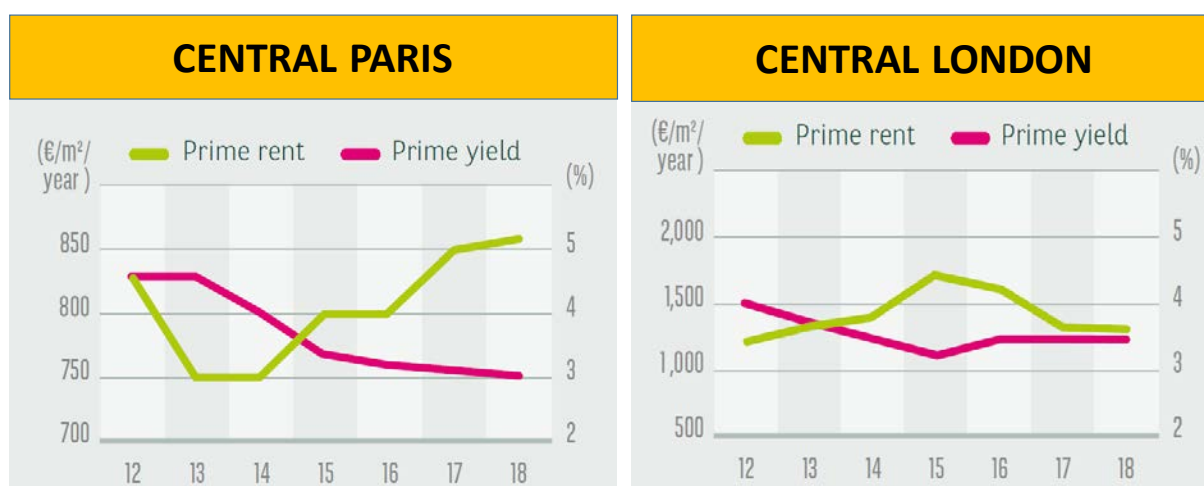
Source: *Observatoire Régionale de l'Immobilier d'Entreprise for Paris / Office for National Statistics for London*

Office market key figures for Central Paris and Central London (2013-2018)

Take up of office real estate (m ²)						
	2013	2014	2015	2016	2017	2018
Central Paris	1 559 176	1 863 776	1 929 932	2 109 514	2 348 264	2 159 027
Central London	1 199 258	1 490 932	1 275 480	1 058 424	1 177 744	1 400 461
Investment in commercial property (million euros)						
	2013	2014	2015	2016	2017	2018
Central Paris	12 437	17 691	22 411	21 280	17 720	22 987
Central London	33 156	25 437	24 855	18 939	22 479	20 330
Vacancy rate for office real-estate (%)						
	2013	2014	2015	2016	2017	2018
Central Paris	8,3	8,5	7,9	6,9	6,5	5,5
Central London	6,5	5,1	4,3	5,7	6,2	5,0

Source: European Office Market, 2019 Report by BNP Paribas Real Estate

Prime office: rents & yields (Central Paris and Central London, 2012-2018)

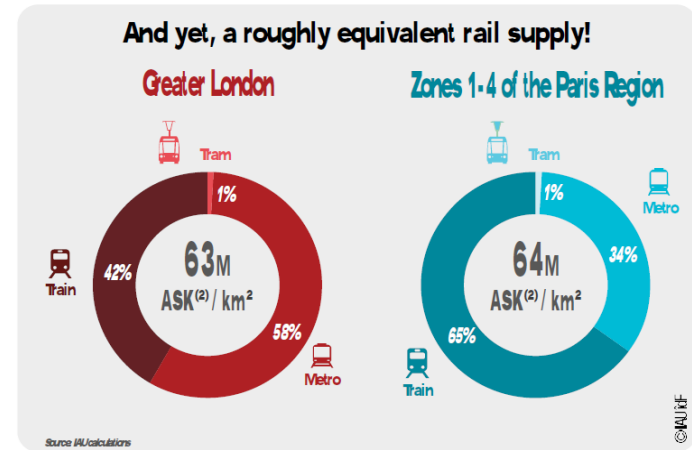
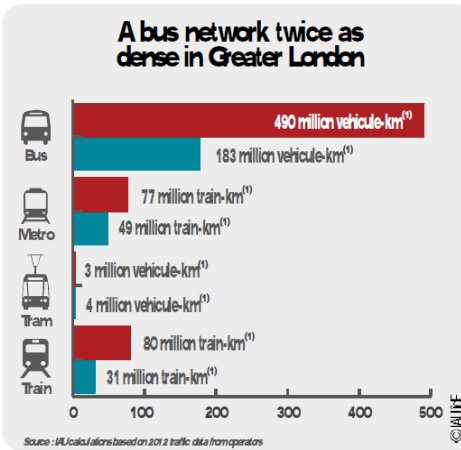
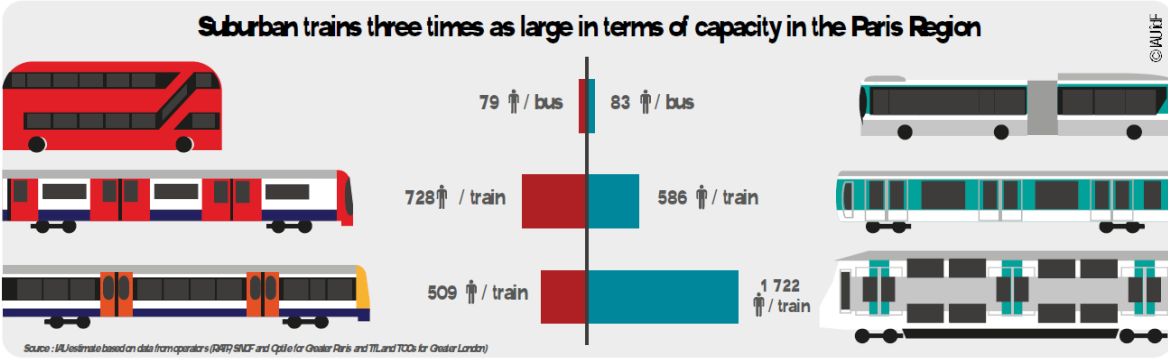
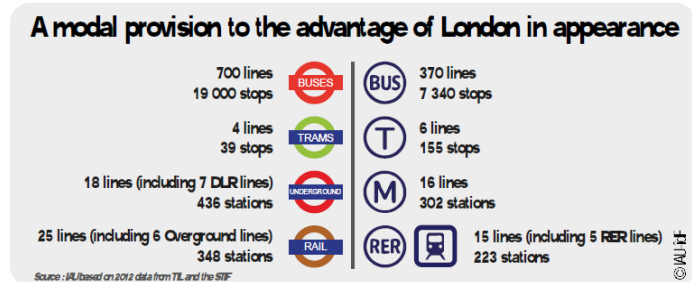
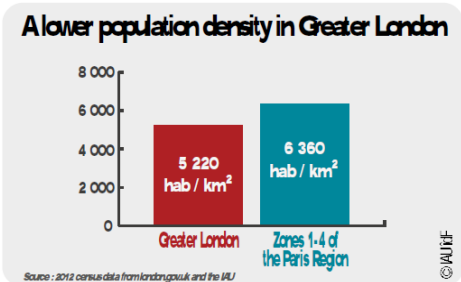
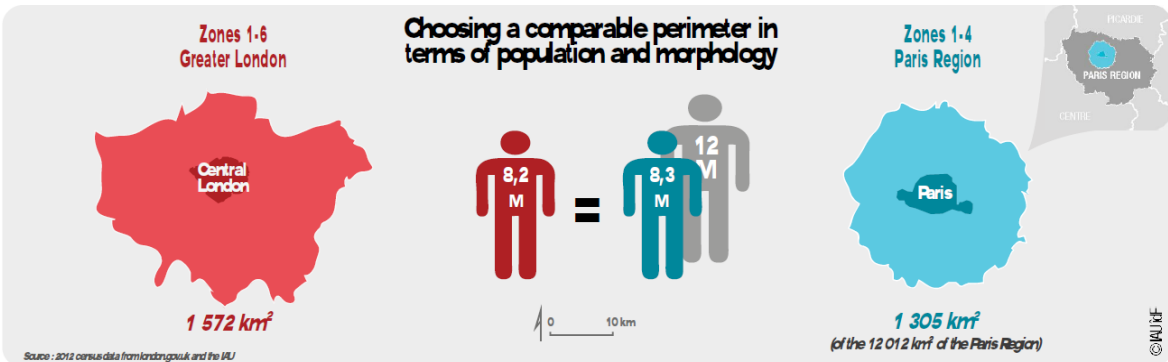


Source: European Office Market, 2019 Report by BNP Paribas Real Estate

General data on transport systems in Paris and London

	Région Ile-de-France		Greater London		Paris source		London source	
	Early	Recent	Early	Recent	Early	Recent	Early	Recent
Area covered (km ²)	12011		1572		OECD		OECD	
Population	10.7M (1991)	12.2M (2018)	6.8M (1991)	8.9M (2018)	INSEE	INSEE, ONS and OECD		
Density (inhab./km ²)	891	1016	4326	5662				
Average trip* distance	4.7 km (1991)	4.7 km (2018)	15 km (1991)	8.9 km (2018)				
Average trip* time	24 mn (1991)	23 mn (2018)	29 mn	34.7 mn				
Average trip rate (number of trips/day for residents)	3.5 / resident / day (1991)	3.8 / resident / day (2018)	2.5 / resident / day (1991)	2.1 / resident / day (2018)	EGT 2001	EGT 2020	TfL Travel in London Reports	
Average time spent travelling/day	82 minutes / person / day	90 minutes / person / day	74 minutes (2007)	73 minutes (2014)				
Estimated number of trips / day	Modal share							
Car	33 M	43 M	21 M	27 M				
Bus	43%	34%	49%	35%				
Tram and/or light rail			10%	14%				
Subway (incl. DLR)	20%	22%	7%	11%	EGT 2001	EGT 2020	TfL Travel in London Report 12"	
Commuter rail			6%	11%				
Cycle and/or motorcycle	2%	3%	2%	4%				
Walk	33%	40%	25%	25%				
Other	2%	1%	-	-				
Structure of the network								
Roads (km)	ND	37,447 km (2015)	14,741 km (1991)	14,808 km (2018)				Dept. Transport
Buses (number of lines)	ND	1519 (2020)	No data	675 (2018)				
Buses (km)	ND	24,774 km (2011)	No data	490 km (2018)				
Subway (number of lines)								
Subway (km)								
Commuter rail (number of lines)								
Commuter rail (km)								
Tram and/or light rail (number of lines)								
Tram and/or light rail (km)								
Cars (share of households with at least one)								
Cabs (number)								
Bikes (estimated number)								
Shared-system bikes (number)								
Other (in particular emerging modes of mobility)								

The comparison of transport provision in two Paris and London comparable scales by the Institut Paris Region in 2015



(1) Indicator expressing the number of kilometres operated annually
(2) Available seat kilometre (a supply indicator based on the multiplication of operated kilometres by rolling stock capacity)

Updated on October 2nd, 2015



Source: Institut Paris Region / The detailed note can be found in the following [link](#).

Institutional organization of London transport throughout the 20th century

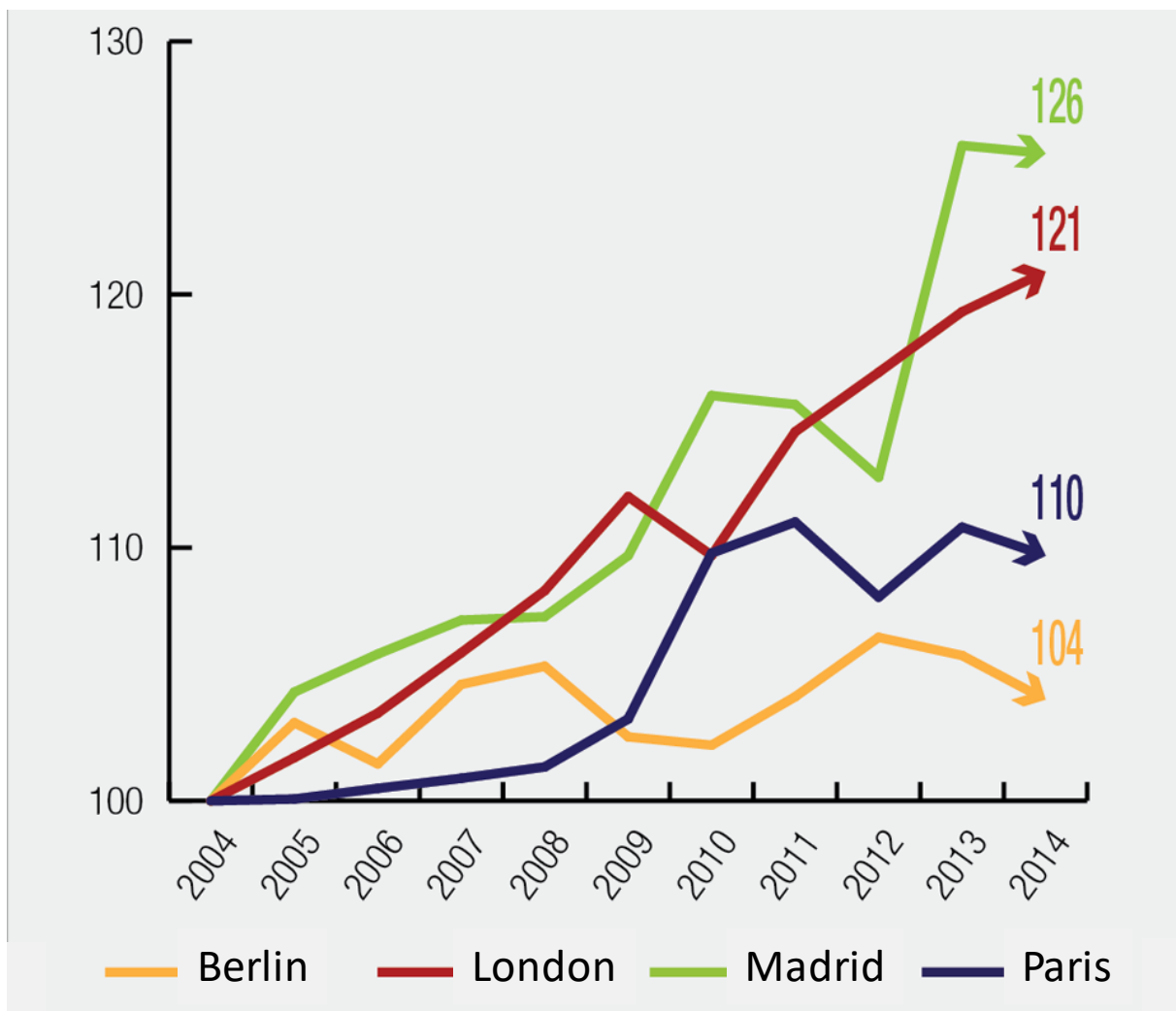
Name	Creation	Under the supervision of	Brand of management
London Passenger Transport Board	1933	London City Council	London Transport
London Transport Executive	1948	British Transport Commission (Department for Transport)	London Transport
London Transport Board	1963	Department for Transport	London Transport
Greater London Council	1970	Greater London Council	London Transport
London Regional Transport	1984	Department for Transport	London Transport
Transport for London	2000	Greater London Authority	Transport for London

Organizational comparison between transport authorities in Paris and London

	STIF / Ile-de-France Mobilités	Transport for London
Area covered (km ²)	12 011	1 572
Number of employees	389 (2015)	27,000 (2018)
Budget (recent year)	€9.4bn (2015)	£10.2bn (2018)
Funding (same recent year)	"Versement Transport": 40% Fares: 28.5% Grants: 19.5% Employers (Navigo pass for staff): 9% Other incomes: 3%	Fares: 47% Grants: 33% Borrowing & cash reserves: 8% Other incomes: 12%
Means of Transport managed		
<i>Car</i>	No	Yes
<i>Bus</i>	Yes	Yes
<i>Subway / Overground</i>	Yes	Yes
<i>Cycling</i>	Yes	Yes
<i>Walk</i>	No	Yes
<i>Other</i>	Cable-car (project)	Cable-car (in operation)
Who operates ?		
<i>Car</i>	NA	Transport for London Road Network + all traffic lights: TfL Motorways: Highways England Remaining roads: London boroughs
<i>Bus</i>	Optile (multiple private operators, 1081 lines) RATP (352 lines) SNCF (16 night lines)	Multiple private operators under contract
<i>Subway / Overground</i>	Paris metro: RATP (monopoly on all existing lines until 2035) RER: RATP + SNCF Transilien: SNCF Tram: RATP, SNCF, Keolis	Tube: TfL DLR: KeolisAmey Docklands Ltd. Overground: ArrivaRail London (Deutsche Bahn Group) + Network Rail (tracks and signals management) Crossrail 1 (TfL Rail / Elizabeth Line): MTR Crossrail Ltd Tram: FirstGroup
<i>Cycling</i>	Véligo: IDFM	Santander Cycles : Serco
<i>Walk</i>	NA	Healthy Street Strategy (recommendations for building contractors)
<i>Other</i>	NA	Cable-car: Emirates

Source: Ile-de-France Mobilités and Transport for London

Evolution of monthly fares for zones 1-2 from 2004 to 2014 outside VAT and inflation (2004=100)

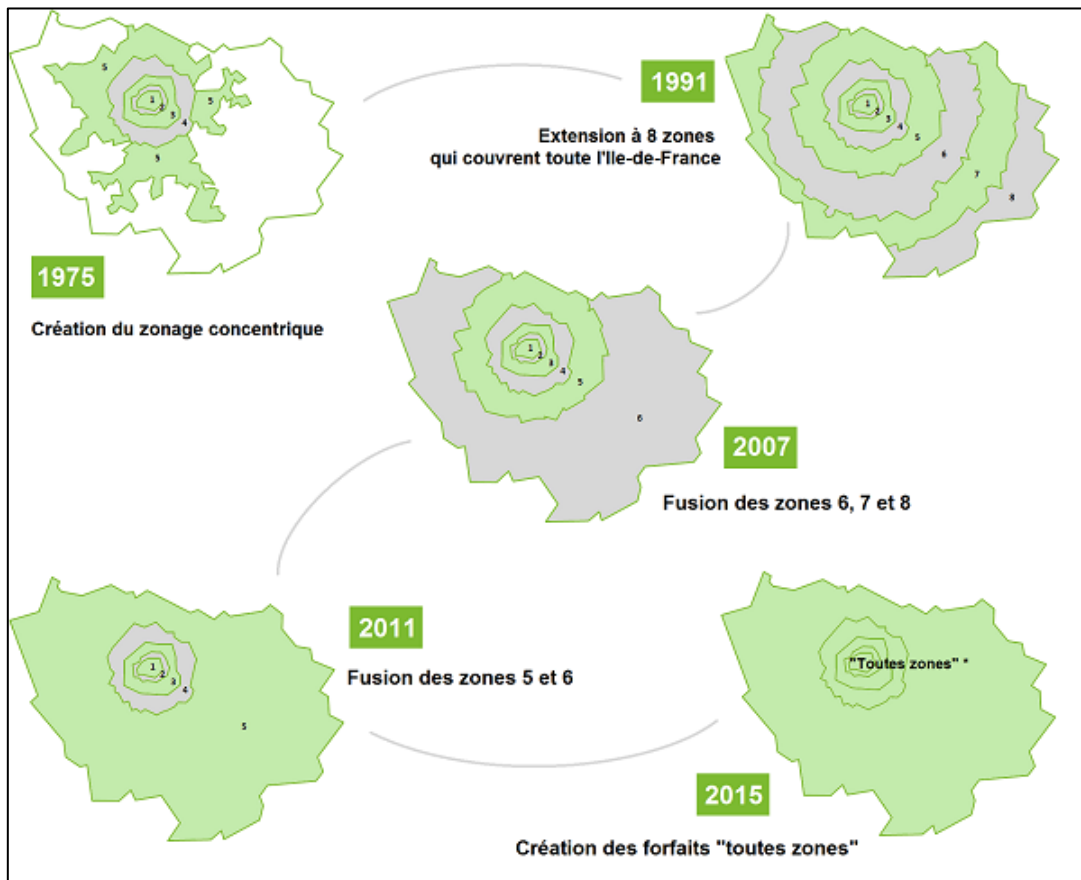


Source: Institut Paris Région. The evolution of prices in Paris takes includes the increase of VAT rates (from 5.5% to 7% in 2011 and 10% in 2013), while it is not applied to public transport in the UK. The results of their analysis can be found in the following [link](#).

Monthly fares (euros) in 2014	Zones 1-2 and bus	Zones 1-4 IdFM / 1-6 TfL	Zones 1-5 IdFM / 1-9 TfL	Tarif for a single bus ticket
Ile-de-France	67	105	113	€1.70
London Bus	92	92	92	€1.73 (£1.45)
London	144	266	373	

Source: Institut Paris Région. The results of their analysis can be found in the following [link](#).

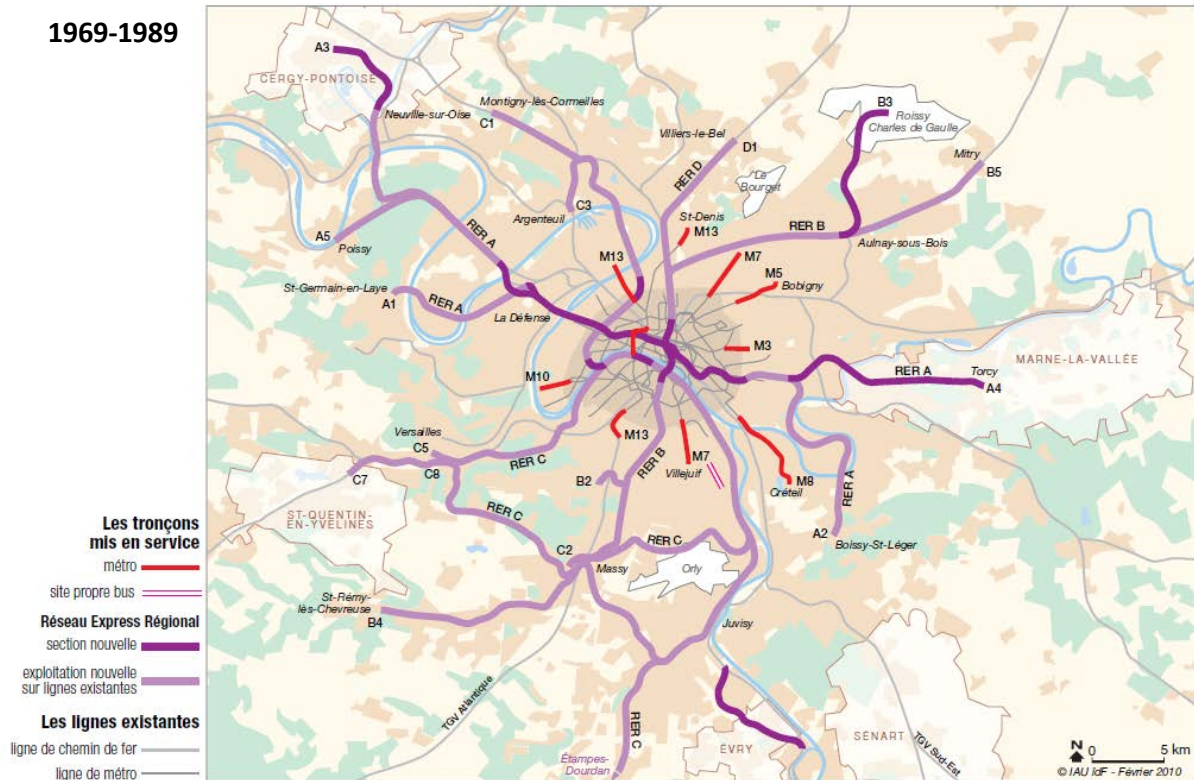
The progressive merging of the transport zones in the Paris region



Source: Région Ile-de-France

The development of public transport in Paris

1969-1989

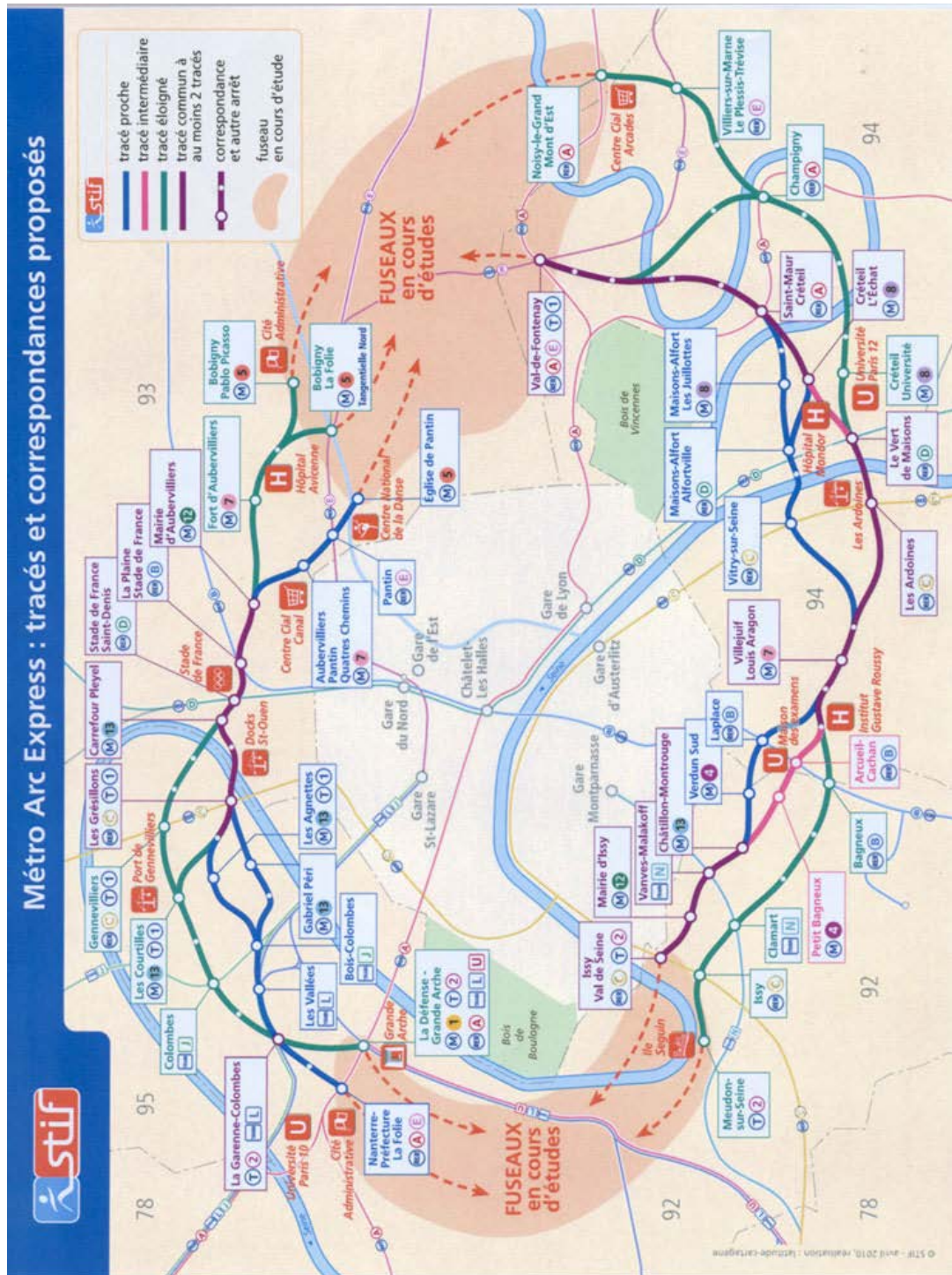


1990-2010



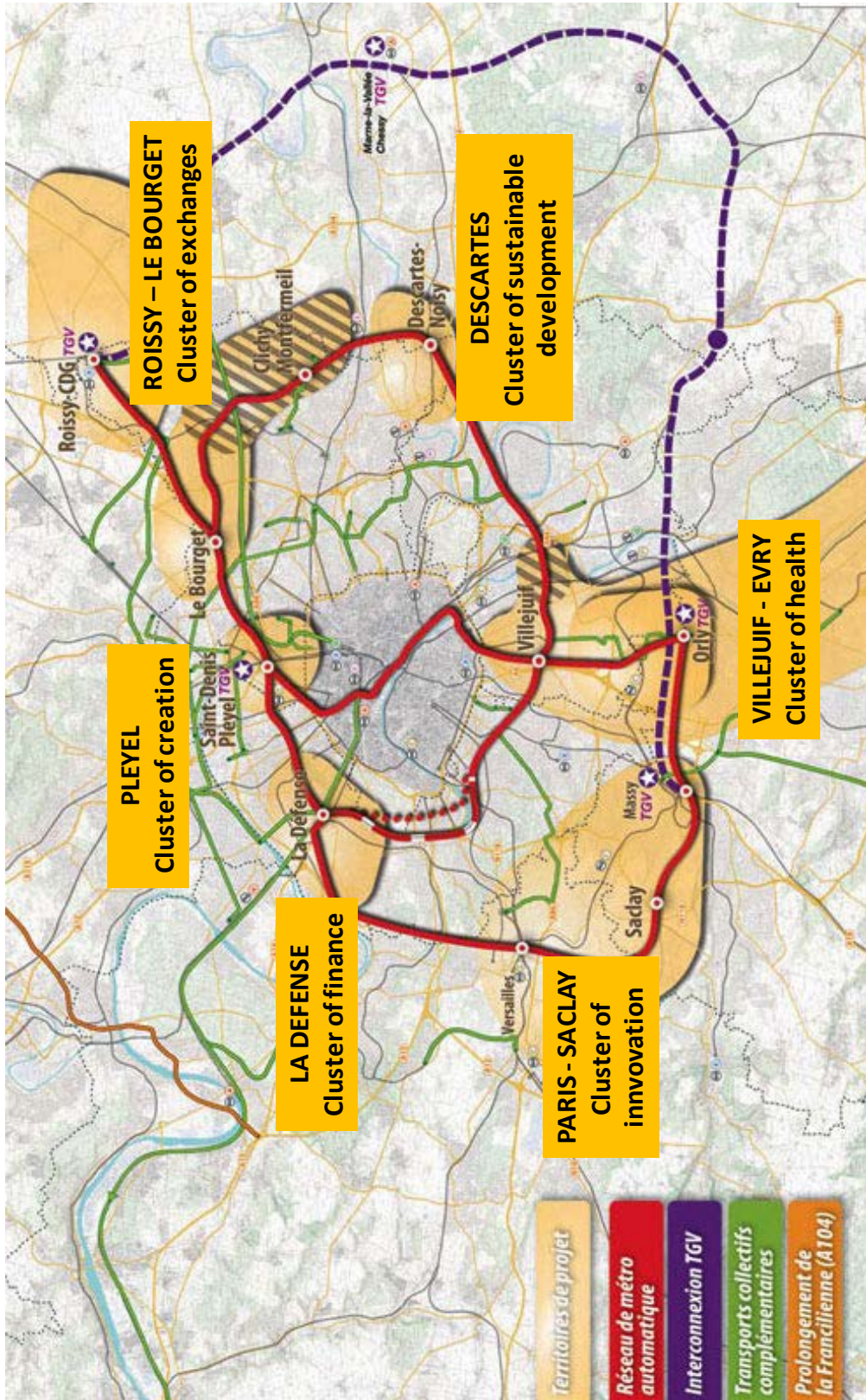
Source: Institut Paris Région

The Arc Express project in January 2011



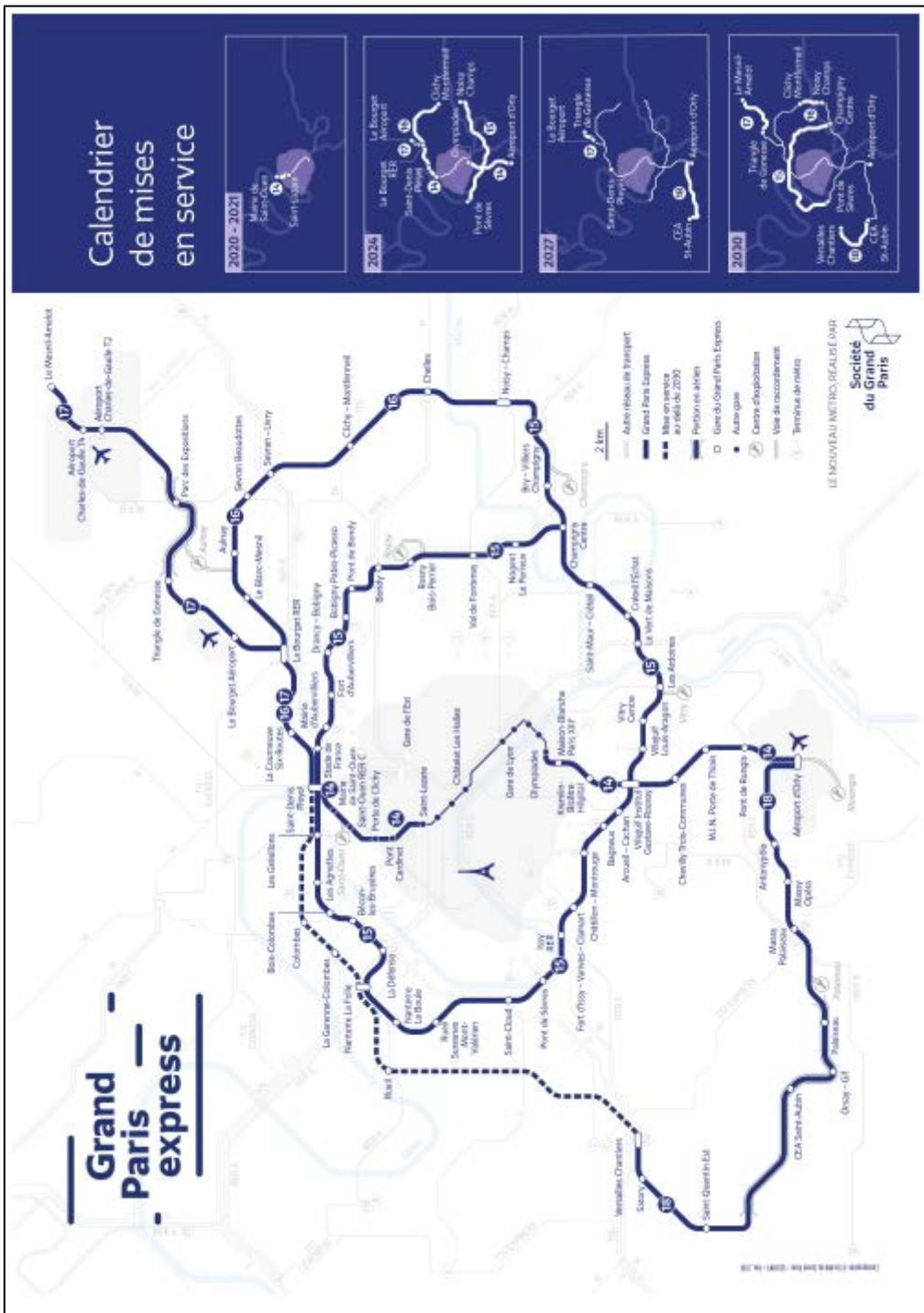
Source: Syndicat des Transports d'Ile-de-France

The Grand Huit project and the linking of clusters



Source : Secrétariat d'Etat au développement de la région capitale

The Grand Paris Express project and the latest (2018) phasing of construction

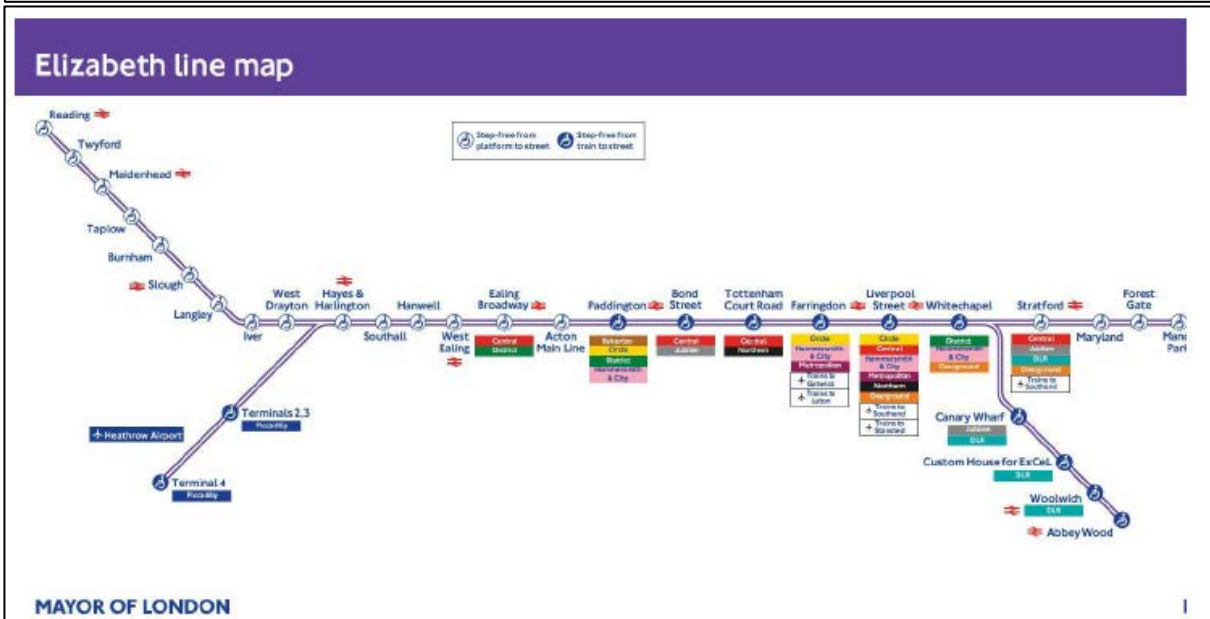
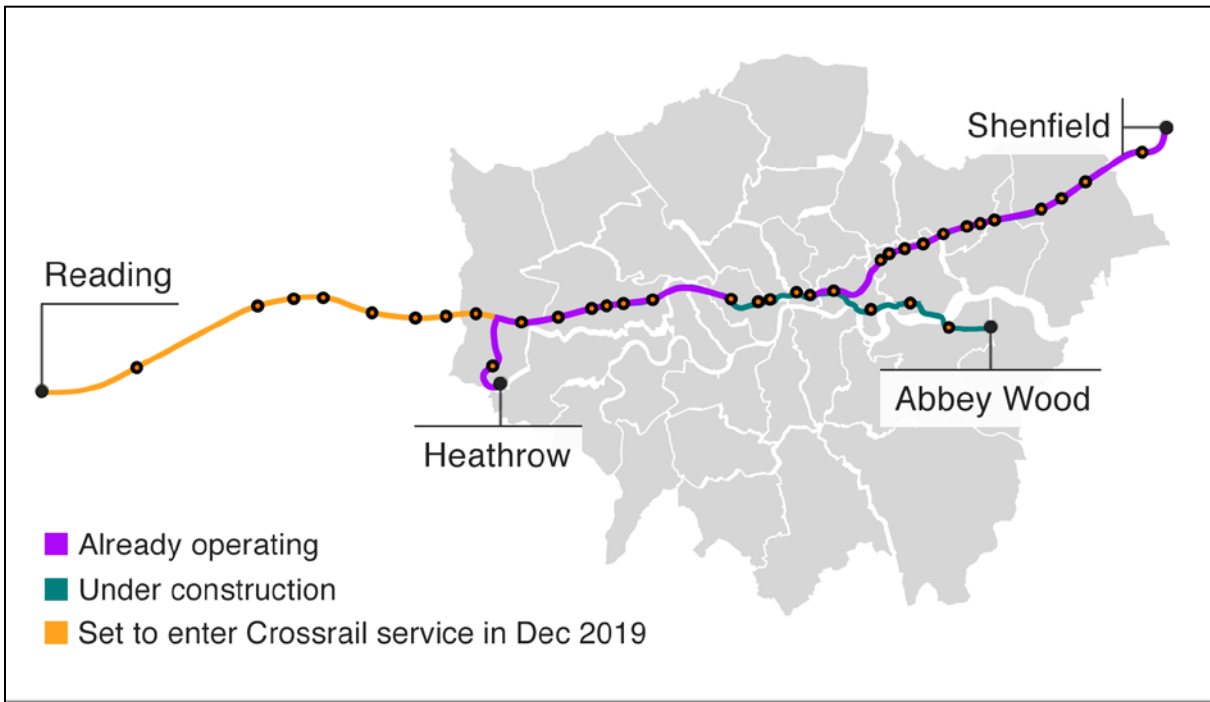


Source: Société du Grand Paris

The successive evolutions of the Grand Paris Express project

Project	Date	Alignment and rolling stock	Stations	Estimated cost	Calendar
Métrophérique <i>RATP</i>	2006	50 km ring railroad around Paris	50	€Bn	-
Arc Express <i>STIF</i>	2006	50 km ring railroad around Paris Two alignment already mapped : - Northern part - Southern part	40 to 50	€6 - 8Bn	September 2010 – January 2011 : public consultation Early 2011 : first schemes 2012 : beginning of construction 2019 : opening of the Southern part
Réseau de transports publics du Grand Paris (Greater Paris Public Transports Network, GPPTN) <i>French State</i>	2008	155 km alignment connecting major economic clusters. - Blue line: Orly - Roissy - Red line: ring railroad Bourget - Descartes - Villejuif - Défense - Green line : Orly - Saclay - Défense - Roissy	42	€21 - 23Bn <i>Grant of 4Bn from the French State Financing scheme from the Île-de-France Region</i>	September 2010 – January 2011 : public consultation 2013 : beginning of construction 2018 : partial opening 2023 : completion
Grand Paris Express (GPE)	January 26th, 2011	200 km network with features from both Arc Express and GPPTN. - Alignment mostly similar to GPPTN. - New Eastern Arch in Seine Saint Denis to be added.	49 (Eastern Part excluded)	GPE : €20.5Bn €1.9Bn to modernize the existing network (CPER, Contrat de Plan État-Région) Total : €22.4Bn	2025 : completion
Comprehensive Grand Paris Express scheme	May 10th, 2011	211 km railroad across Greater Paris - Blue line: Pleyel - Orly - Green line: 50km with « adapted capacity » - Red line: ring railroad Pleyel - Champigny and Greater East - Orange line : Eastern Part - New stations : Eastern Part and planned by the public debate	72	GPE : €20.5Bn CPER : €5.1Bn Total : €25.6Bn	2025 : completion
New comprehensive Greater Paris Express Scheme after Auzannet's report	2012	Same as before.	72	GPE : €22.6Bn + €3Bn for the rolling stock SGP's contribution to the CPER: €2.9Bn €2.6Bn cutbacks on the GPE	2020 : 15 South, 14 North, 18 to Saclay 2023 : 16, 15's Noisy-Rosny branch 2026 : Bourget - Pleyel (16 & 17), Rosny - Champigny (15 East), 14 South 2030 : completion
Prime Minister Ayrault's decisions, « New Greater Paris Transports » Arbitrage Ayrault, « Nouveau Grand Paris des Transports »	March 6th, 2013	200 km alignment keeping the 4 lines of the 2012 Comprehensive Scheme. The eastern branch of the line 15 is replaced by an extension of the line 11.	68	€2.6Bn <i>The French State's Grant is cut back to €1Bn.</i>	Same as before, with priority to line 15, except between Nanterre and Pleyel. 2030 : completion
Prime Minister Valls' decisions	October. 13th, 2014	Same as before.	68	Same as before. The SGP must now also fund preliminary studies for existing projects such as the RER E line extension.	- 2020 : 15 South, 14 North & South, line 18 - 2023 : line 16, Charles de Gaulle Express - 2024 : 17 to Roissy, 18 to Saclay. - 2025 : 15 North-East, 11 East - 2030 : completion
Prime Minister Philippe's decisions	February. 2018	Same as before.	68	€5,1Bn€ + €3,4Bn for IDFM Carrez Report: the SGP needs an additional €250M/year.	- 2024 : 14 North & South, Bourget - Pleyel (16 & 17), 15 South, Bourget - Clichy (16) - 2027 : Orly - Saclay (government's priority) & line 17 (with the unanswered question of the completion Le Bourget's connection before the 2024 Paris Olympics) - 2030 : Clichy - Noisy, Saclay - Versailles, Le Bourget - Roissy, 15 East and West

The Crossrail 1 route



Source : Crossrail and Greater London Authority

The Crossrail funding plan as of July 2018

Crossrail Funding Plan as of July 2018 (M£)			
Contributor	Funding mechanism	Start Date	Contribution
Dept. for Transport	Direct contribution		4 960
	Additional contribution	July 2018	150
GLA	Business Rate Supplement		4 100
	Dept. For Transport loan	December 2018	1 300
	Community Infrastructure Levy		300
	Direct contribution		100
TfL	Direct contribution		1 900
	Dept. For Transport loan	December 2018	750
	Additional contribution	July 2018	150
Network Rail	Tracks improvement program		2 300
	Dept. For Transport loan		290
	Direct contribution	July 2019	220
Crossrail Ltd.	Land and property sales		550
Private sector	Developers' contribution*		300
	City of London		250
	Voluntary contributions		100
	Heathrow Airport Ltd.		70
Total public			16 520
<i>Total private (direct contributions)</i>			<i>1 270</i>
Total			17 790
	*Berkeley Homes Developers, Canary Wharf Group		

Source : Transport for London

CHAPTER 4

The reconstitution of Roman Paris during High Roman Empire



Source : (Busson, 2019) / Cover by Jean-Claude Golvin

The reconstitution of Roman London under the High Empire



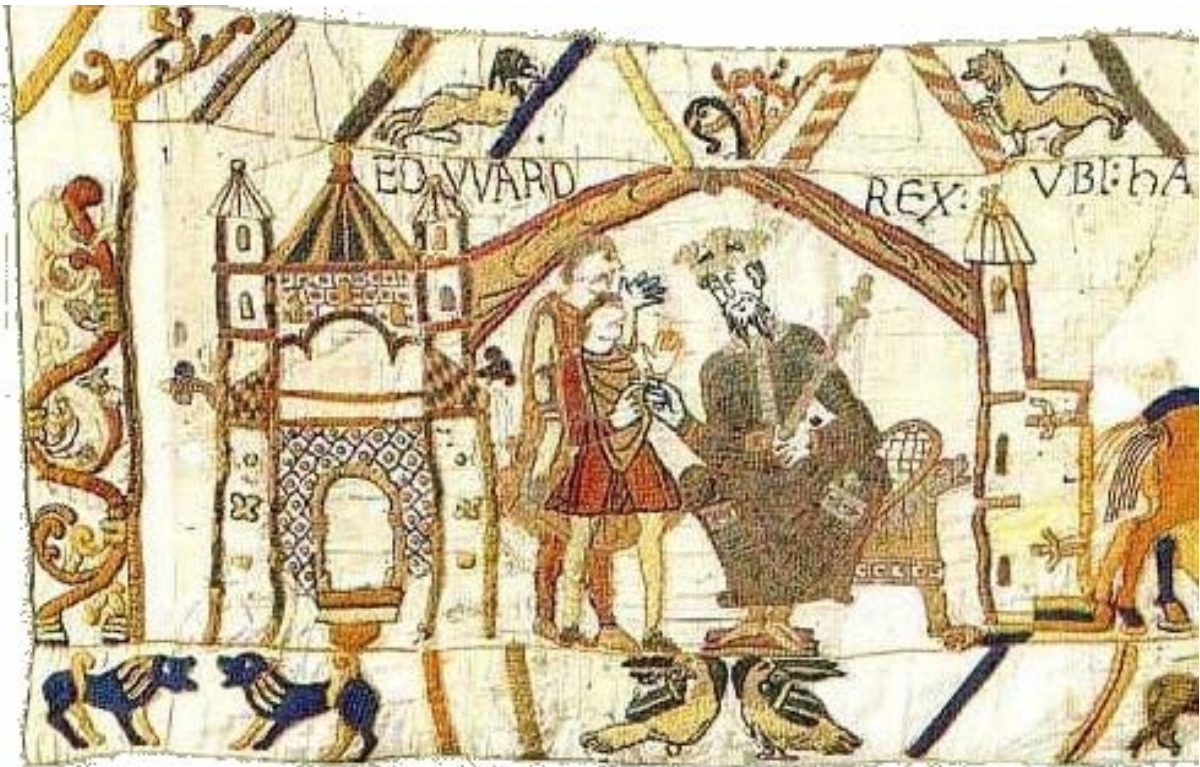
Source: (White, 2014, pp. 8–9)

Paris under Charles V (reigns from 1364 and 1380)



Source: (Pinon & Le Boudec, 2014). This representation was made by the engraver Mathieu Merian in 1615. The North is on the left, which means that the fortress of the Louvre appears on the foreground. On the right (southern bank), appears the former wall of Philippe Auguste which on the right (northern bank) has been replaced and extended by the one of Charles V.

The consecration by God of the Westminster cathedral by Edward the Confessor



Source : Bayeux Tapestry

Tudor London in 1574, as depicted by Georg Braun and Franz Hogenberg



Source: (White, 2014, pp. 10–11). *The duality between the City of London (in the middle and on the northern bank of the Thames) and Westminster (on the left) is clearly visible, so is the urban continuity that step by step links the two polarities across the Strand. Commenting on this map, Peter Ackroyd writes that “the clean thoroughfares and discrete groups of buildings are in a sense deceptive; the sixteenth century was already spiraling out of control” (Ackroyd, 2000, pp. 296–297)*

The “révolte des Cabochiens” in 1413



Source : (Duby & Lobrichon, 2008, p. 64) / Anonymous, *Vigiles de Charles VII*, c.1484

The « massacre à l’entrée des Bourguignons » in 1418



Source : (Duby & Lobrichon, 2008, p. 65) / Anonymous, *Vigiles de Charles VII*, c.1484

« Le Prévôt des marchands Etienne Marcel et le Dauphin Charles », painting by Lucien Mélinge, 1879

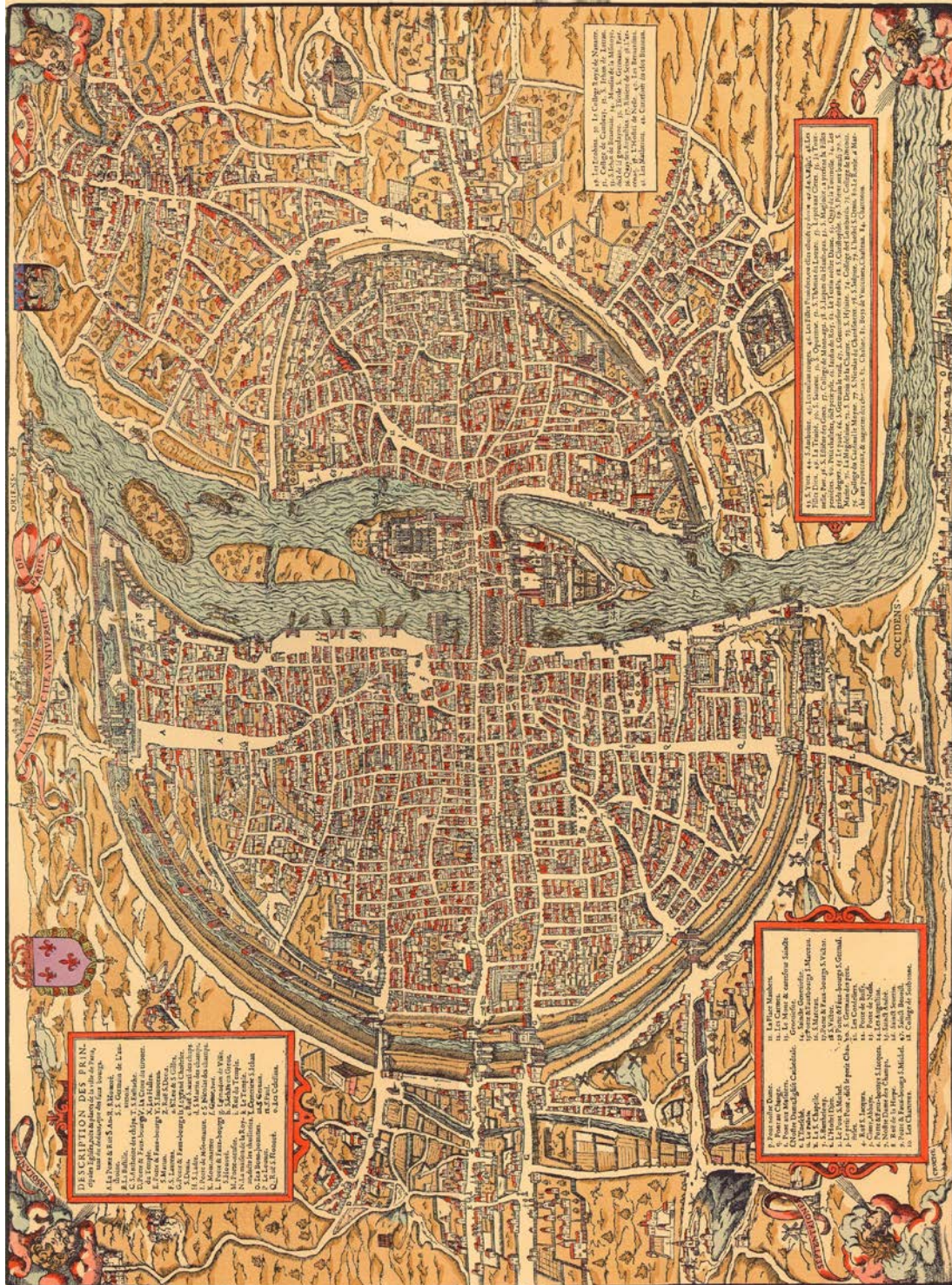


Source : (Bove, Deluermoz, & Lyon-Caen, 2017, pp. 144–145). Medieval chronicles relate that Etienne Marcel exchanged his hood with the Dauphin for reassuring him.

The statue of Etienne Marcel in the gardens of the Hotel de Ville

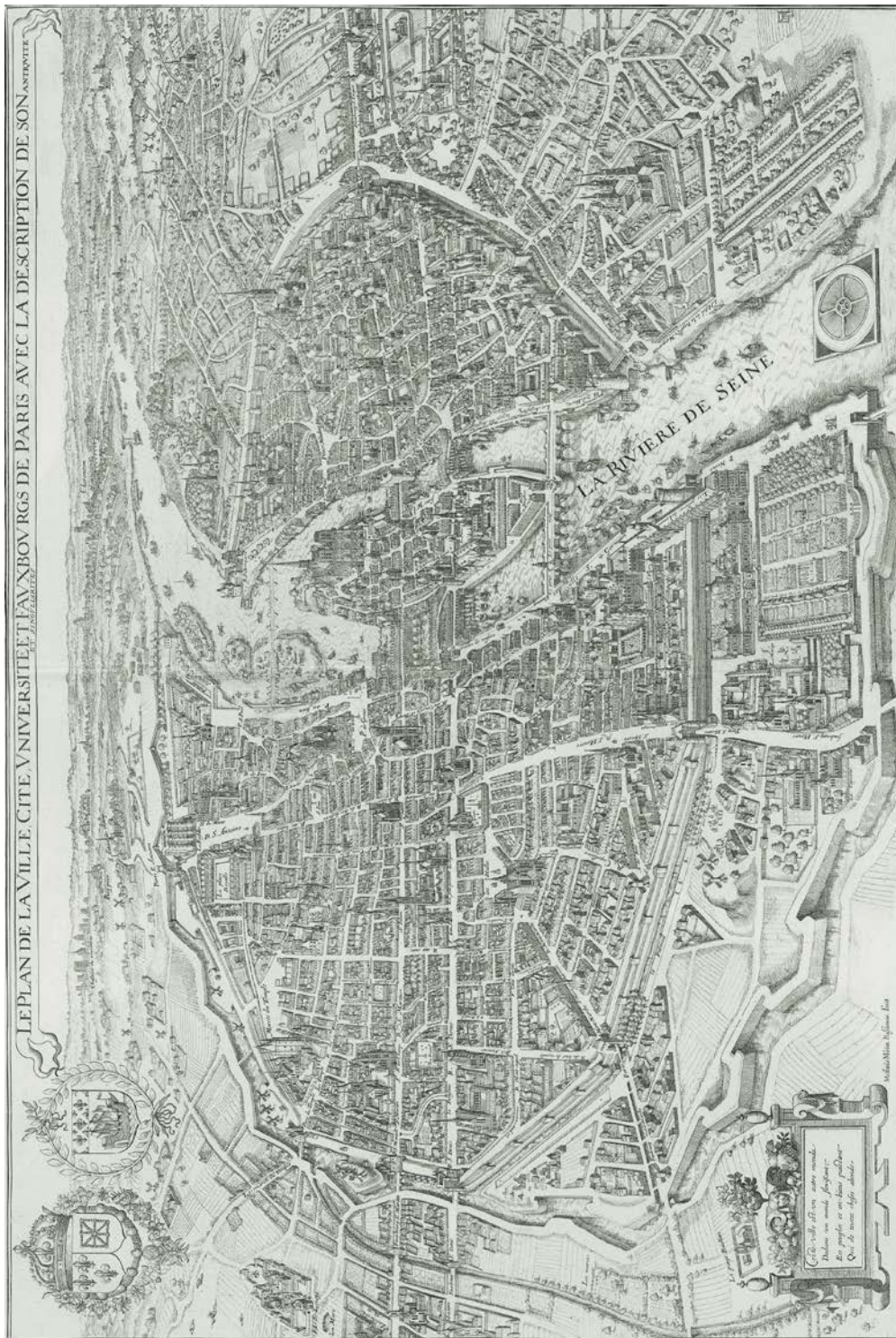


Paris around 1550



Source: Plan Belleforest, published in 1550

Paris around 1615



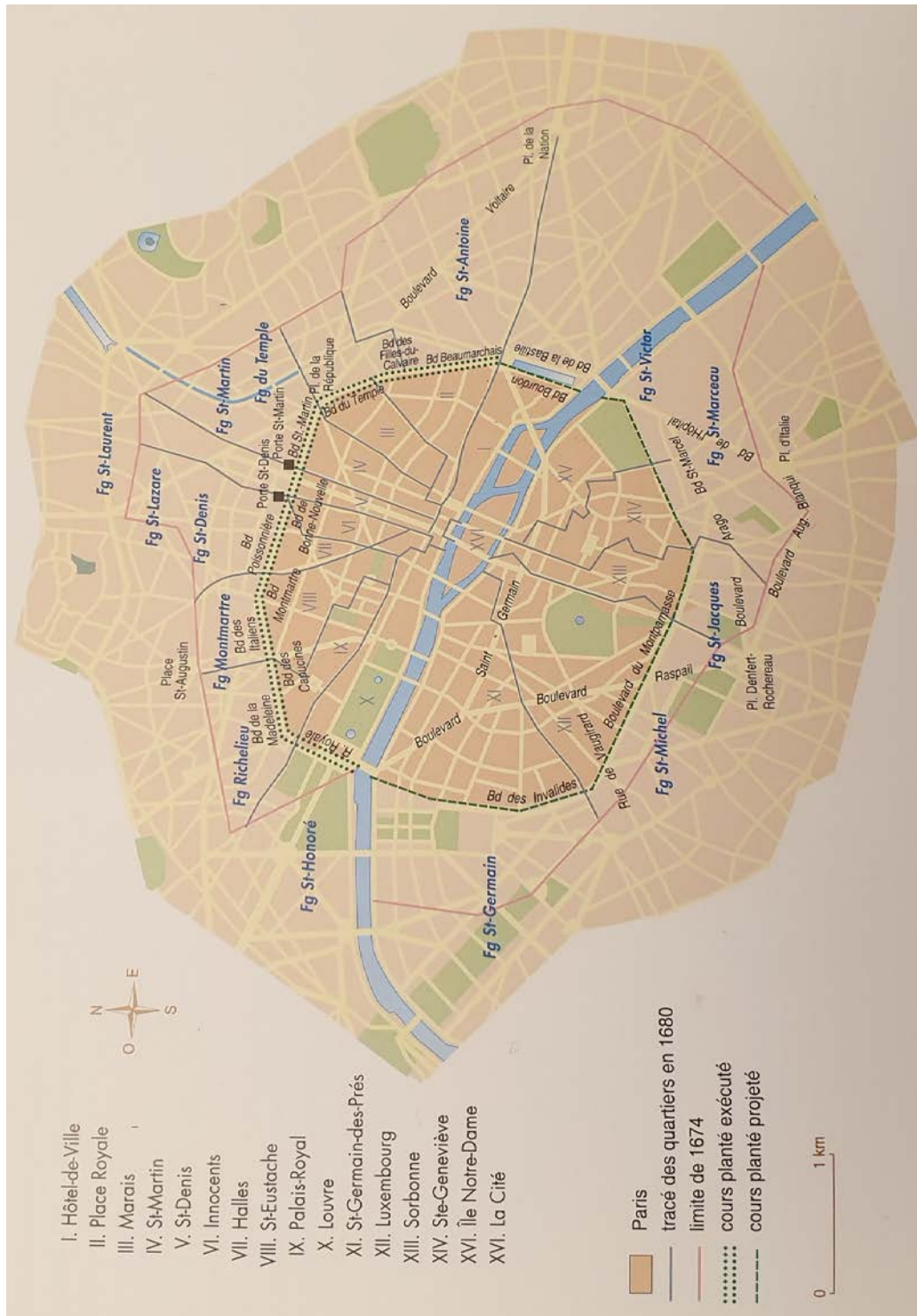
Source : Plan de Mérian, 1615

Paris in 1734-1739



Source : Plan de Turgot

Paris, open city in 1670



Source : (Chadych & Leborgne, 2018, p. 87). The former walls are still “visible” through these various boulevards: Beaumarchais, Saint-Martin or Poissonnière for instance (the “Grand Boulevards” in the north).

London around 1560s

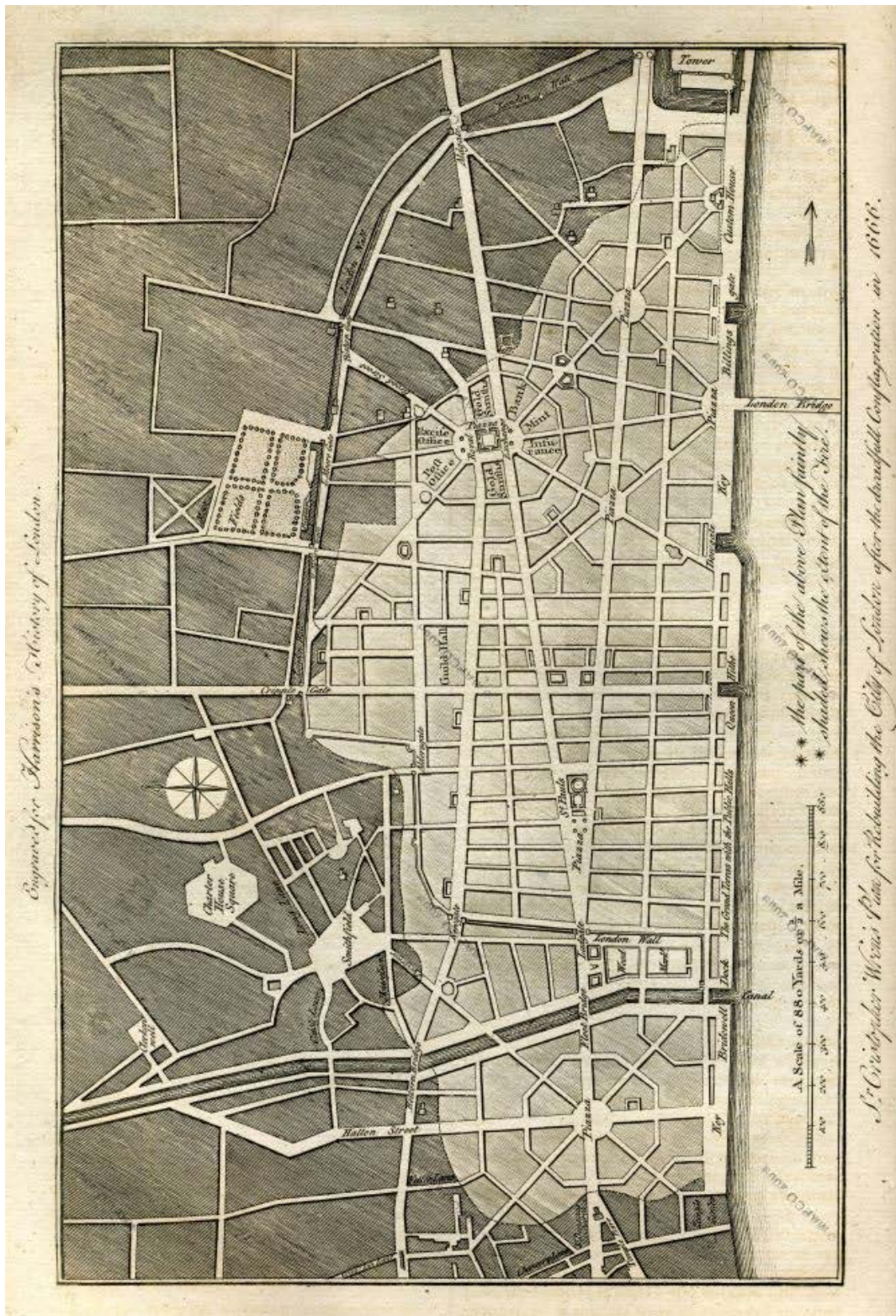


Source: The "Woodcut" map of London / from a reproduction in 1874

The Great Fire of London (1666) by Lieve Verschuier



Sir Christopher Wren's plan for rebuilding the City of London

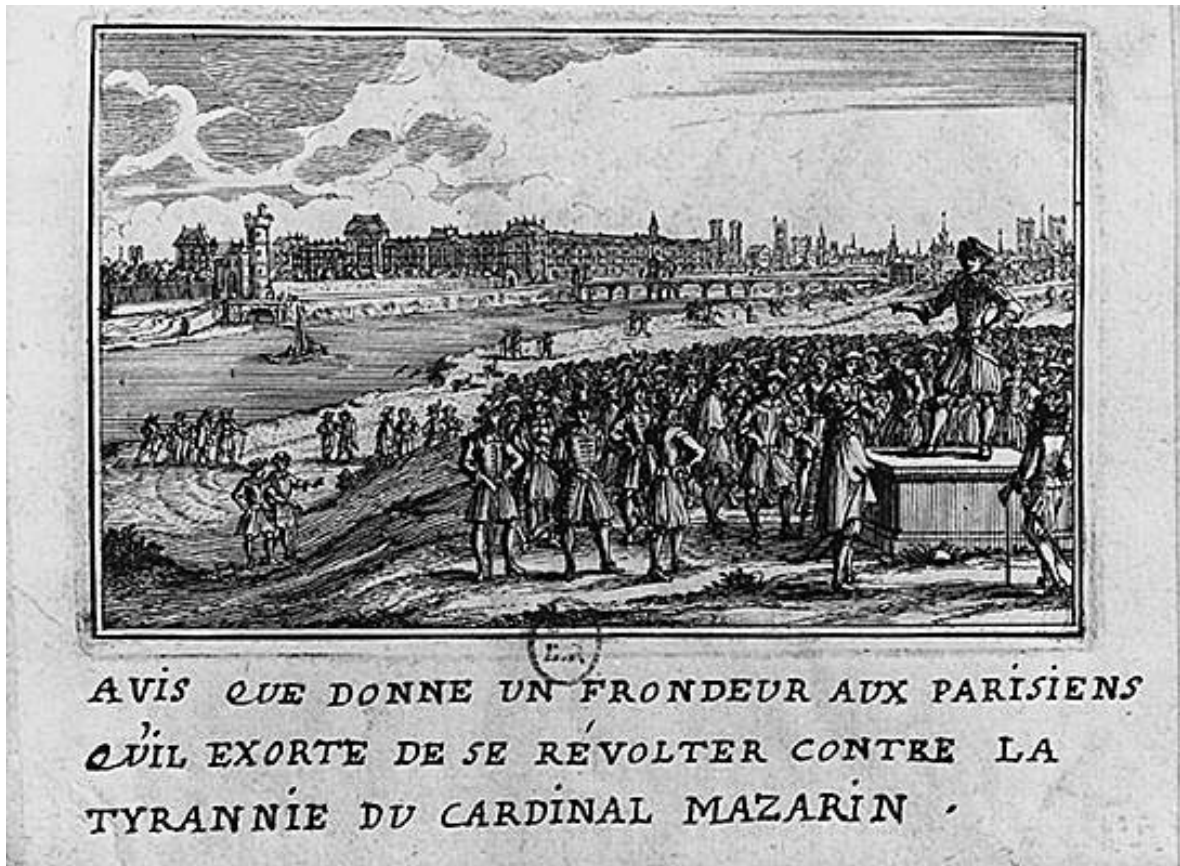


Source: (Bourgne, Carré, & Garcias, 2018, p. 143)

The development of West End in the late 17th century (view of London from Greenwich, painted by Johannes Vosterman, c.1680)



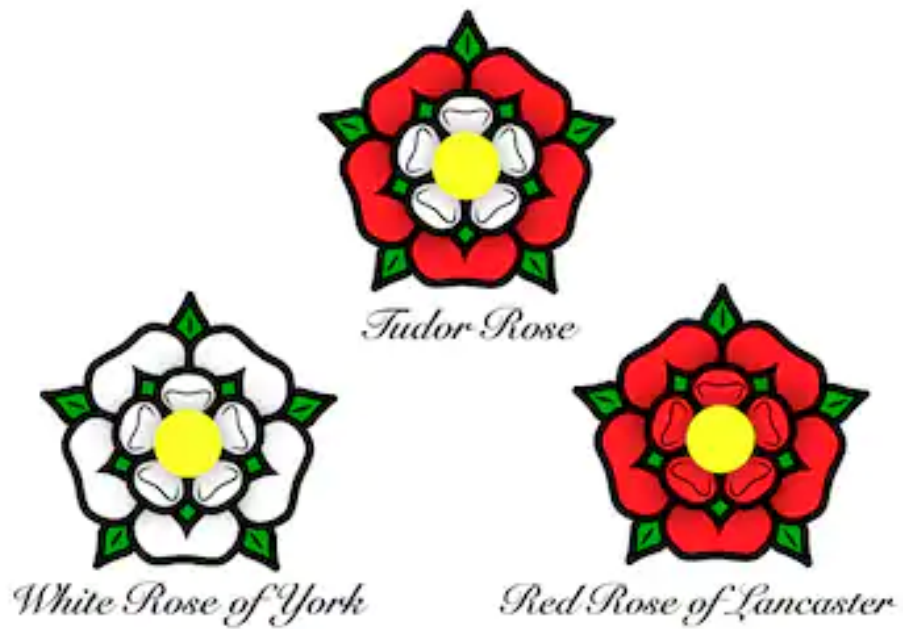
The Fronde against Mazarin ("Frondeur exhortant un groupe de Parisien à se révolter contre le cardinal Mazarin", anonymous)



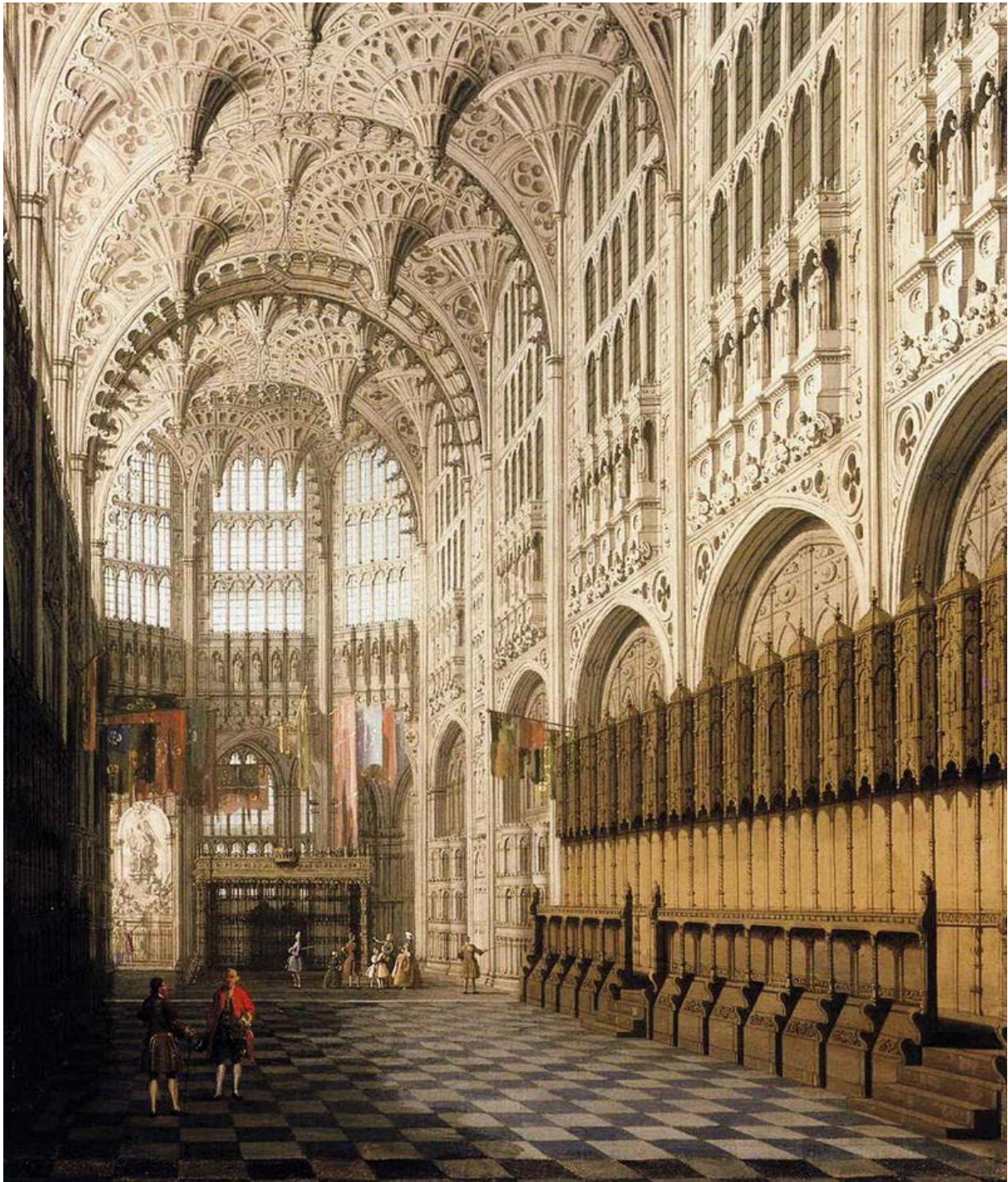
Lancasters and Yorks : Henry of Lancaster / Elizabeth of York



War of the Two Roses



Westminster Abbey (painted by Canaletto, 1750)



Queen Mary I of England (“Bloody Mary”)



The 1555 execution of Bishop Nicholas Ridley and Father Hugh Latimer (as depicted in the *Book of Martyrs* by John Foxe)



Lenthall kneels to Charles I during the attempted arrest of the Five Members (painting by Charles West Cope)

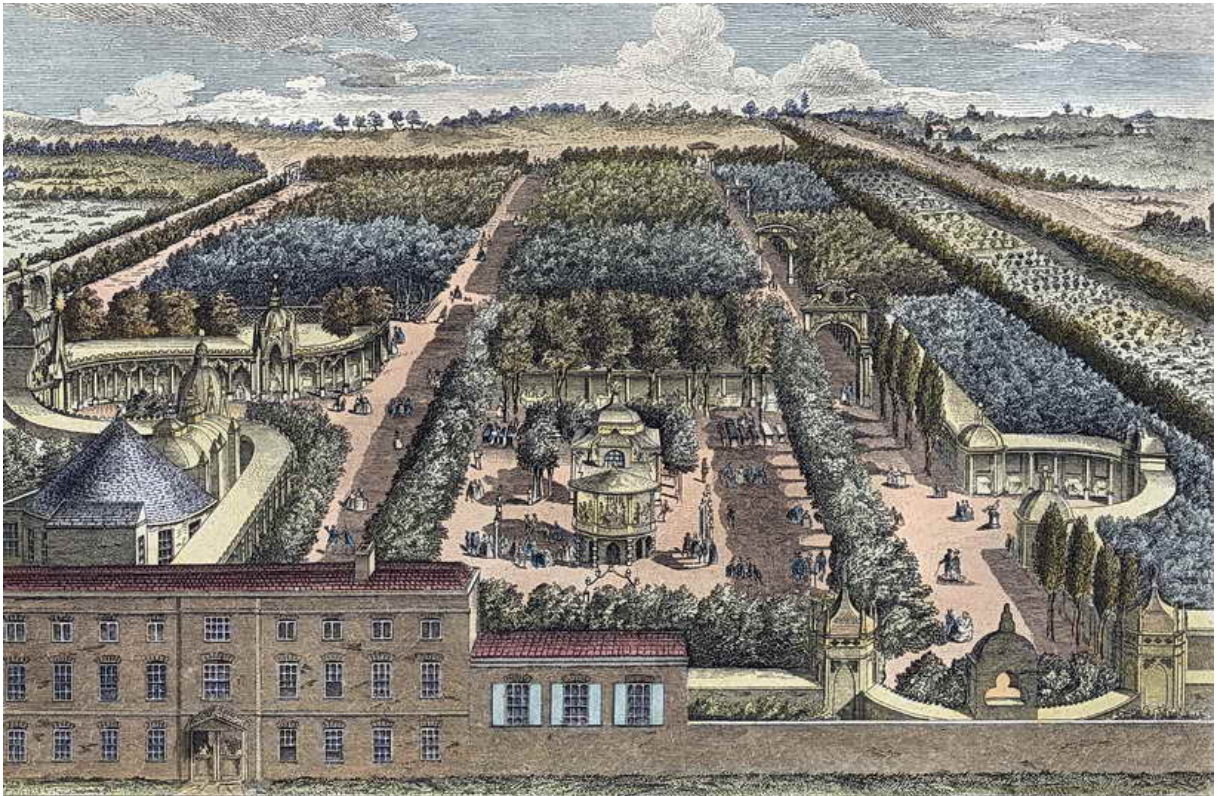


King William III and Queen Mary II (anonymous)



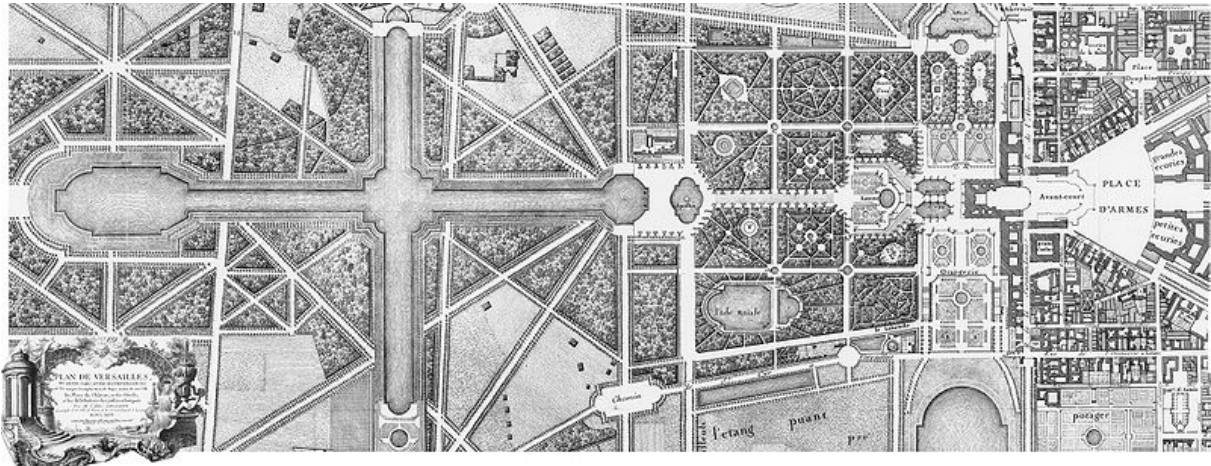
William III becomes king of England by agreeing to the Bill of Rights (presented by the character on the left) in exchange from the Crown, embodying the notion of “government by consent”.

A bird's eye perspective of Vauxhall Gardens around 1750



Source: (White, 2014, p. 84). The bandstand or "Orchestra" is in the centre and the supper boxes in loggias around the edges.

The French garden: the model of Versailles (reproduction by Jean Delagrive in 1746)

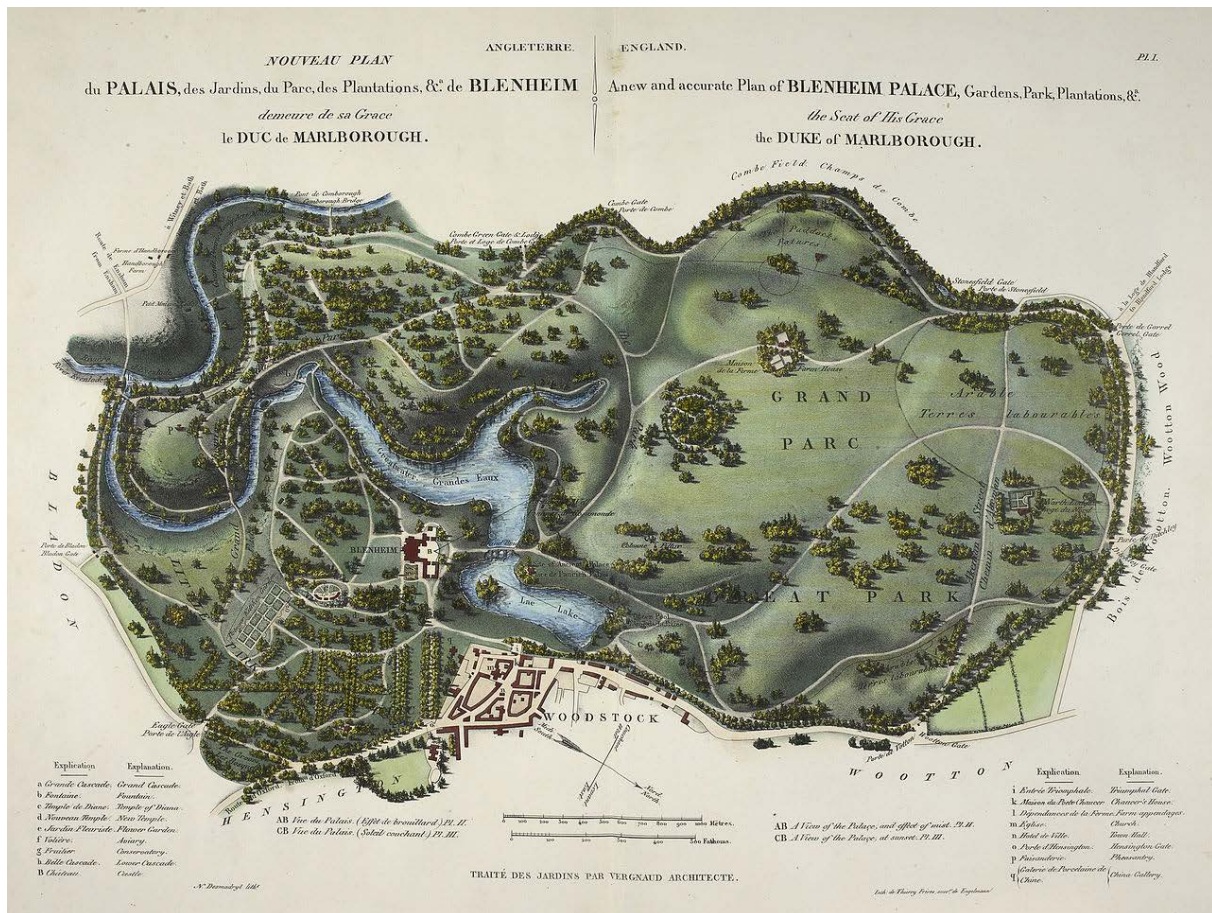


A contemporary view



In the French conception the garden must not imitate nature but on the contrary embody the supremacy of Reason over it. Hence the domination of straight axis as an abstraction. The French garden epitomises political absolutism, as visible in the model of Versailles. All the axes converge to the castle and then split, forming a sandglass movement. Everything emanates from the castle and everything comes back to its centre and its summit. From the position of the king, at the highest position of the steps, the entire garden must be visible.

The British garden through the example of the Blenheim Palace (Oxfordshire)



In the British conception the garden imitates nature, which does not mean at all that it is not planned. But it is not placed under the authority of a house. The garden is multipolar and structured by curvy axes. It is organized around different poles with fabrics (inspired by the Italian conception of *fabrica*), which relate to various elements of culture disseminated throughout the walk in the middle of nature. Nature and culture are presented in a dialectic relationship. The garden is less a theatre than a novel with an episodic structure, from fabric to fabric. The English garden is an Anti-French garden based on older and mainly Italian conceptions. The French Cartesian and supposedly dogmatic vision of knowledge is replaced by an experimental vision of knowledge based on senses.

Before the Seven Years' War (1756-1763), which marks the replacement of the French hegemony in Europe and in the world by the British one, the French conception dominates. After this the British conception increasingly becomes the reference. There is notably no garden of royal initiative in Britain.

The establishment of the Academy of Science by Louis XIV and the foundation of the Observatory
(painting by Henri Testelin, 1667)



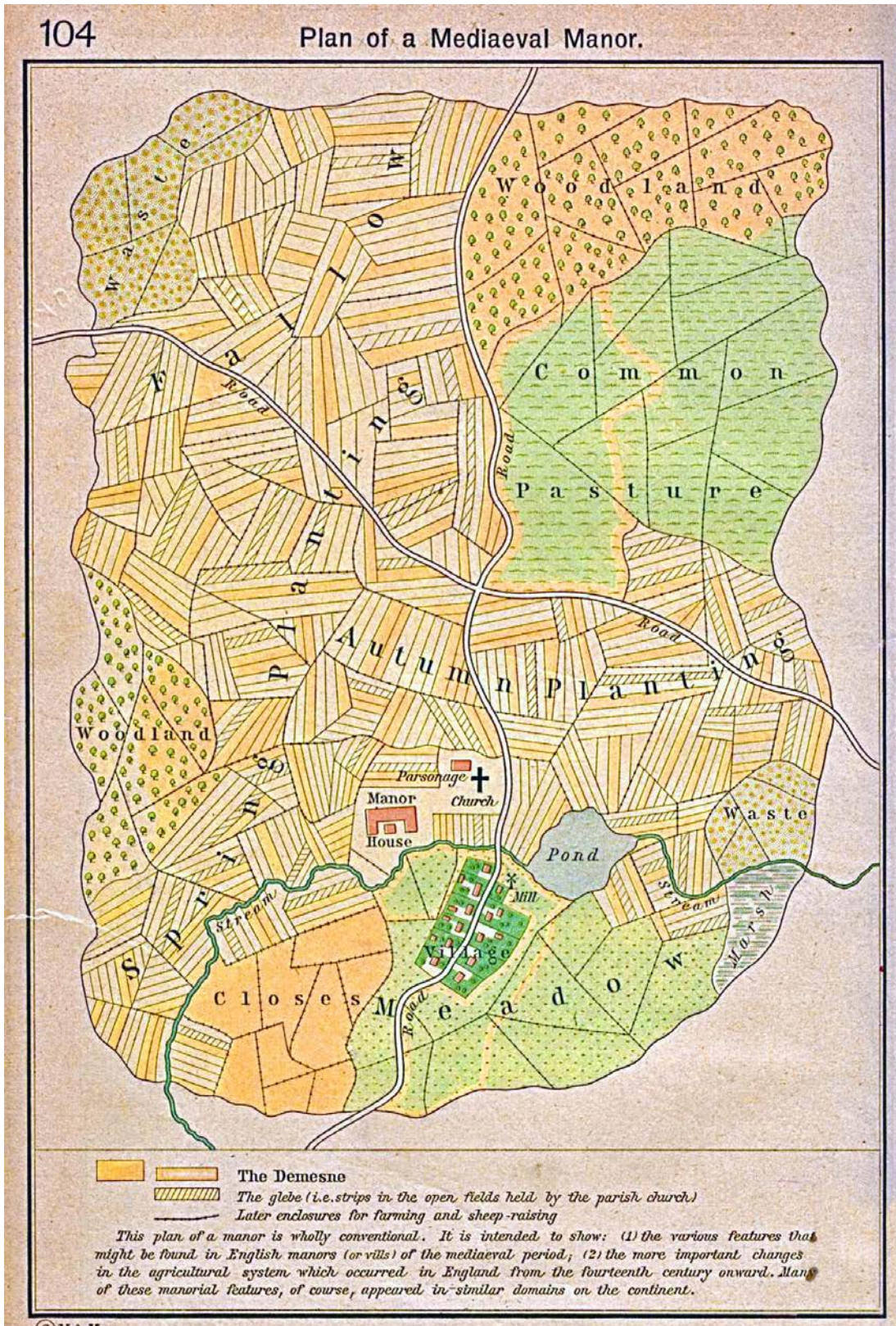
Visitation of the Manufacture des Gobelins by Louis XIV (painting by Simon Renard de Saint-André, 1667)



Plan of a British Medieval Manor

104

Plan of a Mediaeval Manor.



Mr. and Mrs. Andrews by Thomas Gainsborough (1748-49)



The Lincolnshire Ox by George Stubbs (1790)

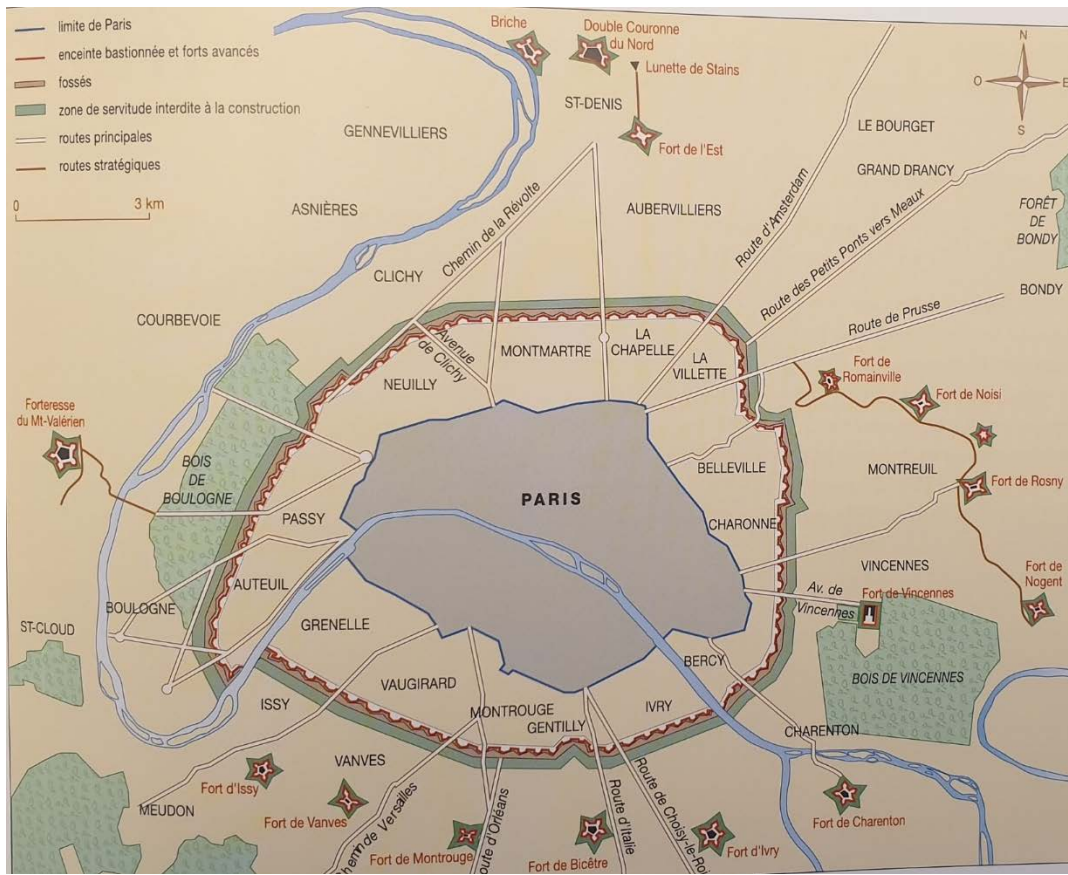


The 1790 walls of the Fermiers Généraux



Source : (Chadych & Leborgne, 2018, p. 115)

The 1840 fortifications of Thiers

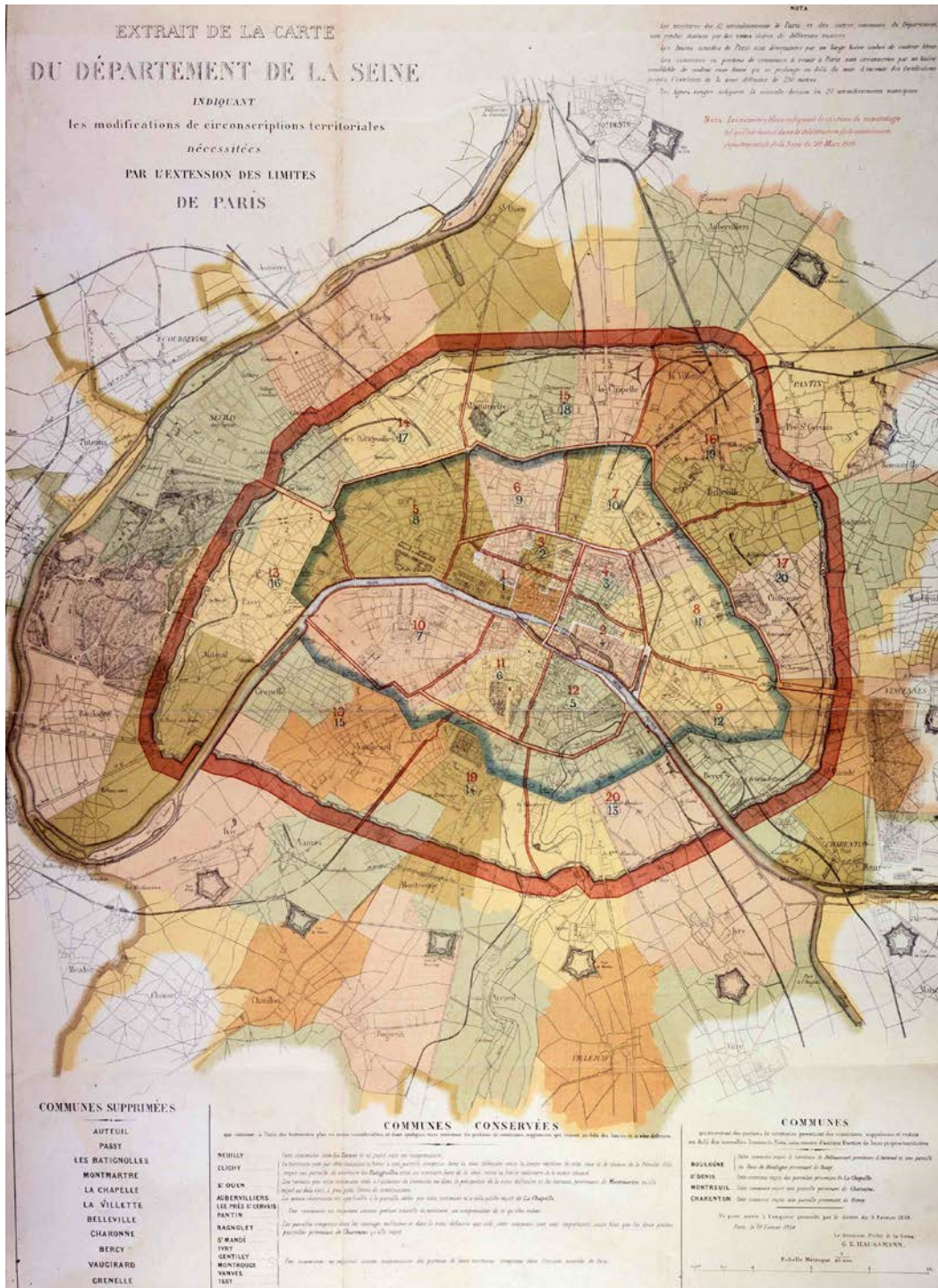


Source: (Chadych & Leborgne, 2018, p. 153).



Source : Archives of Paris (picture taken in 1871)

The 1859 annexation of suburban communes by Haussmann



The annexation of 1859 as a colonization of suburbs by Paris (Charles Vernier, *Le Charivari*)



The annexation of 1859 as a benediction for suburban communes (Charles Vernier, *Le Charivari*)



The transformation of Paris by the Prefect Haussmann under Napoléon III



Source: (Chadych & Leborgne, 2018, p. 161).

The Haussmann façade

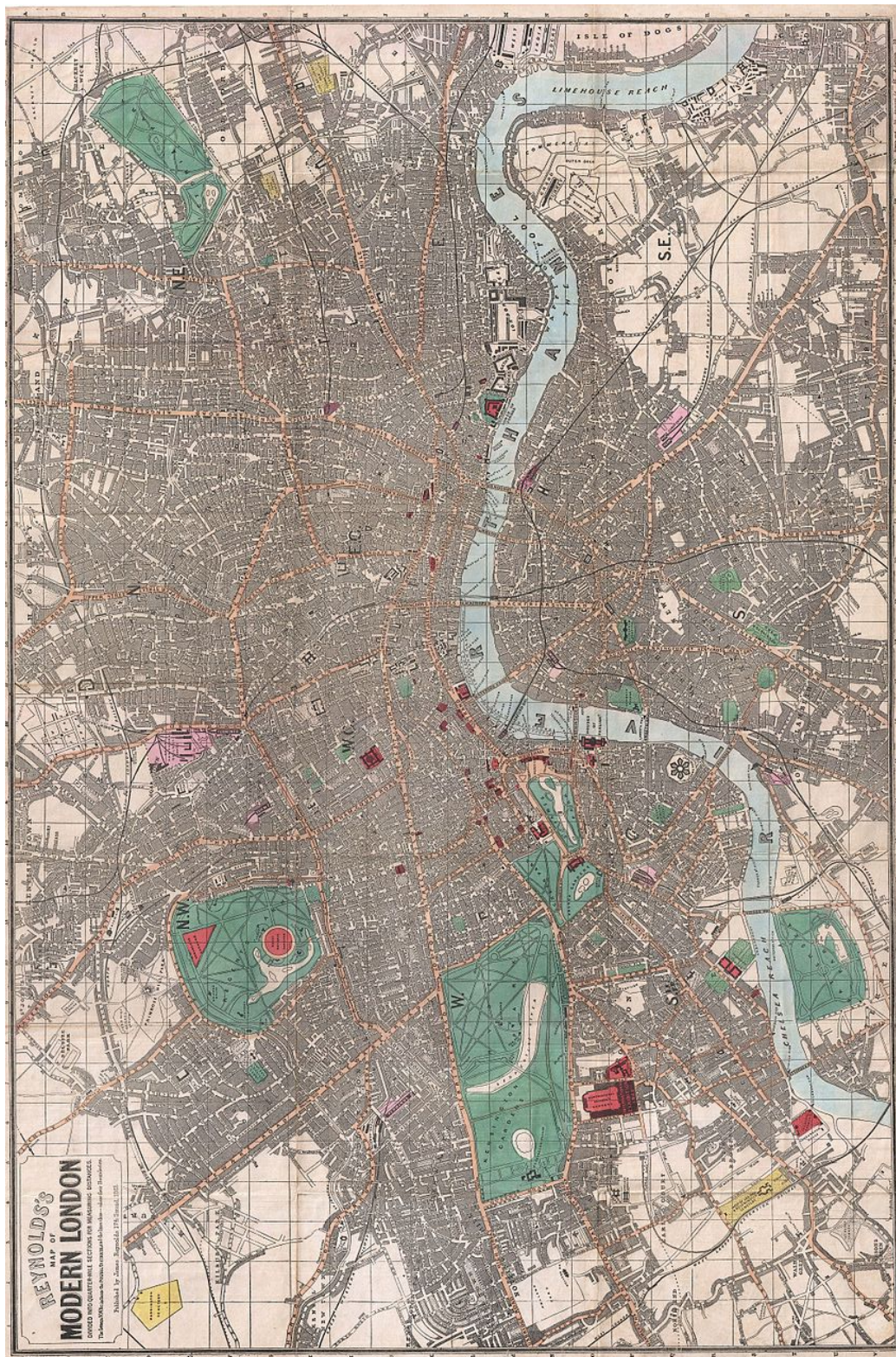


The Haussmann building is built in stone. The ground floor has generally a high ceiling that can accommodate shops with a “mezzanine” on the first floor for housing or storage. Balconies are found in the second and fifth floors, with the second one being designed for the upper-classes while the one of the fifth floor has aesthetic functions for the general balance of the façade. The third and fourth floors are more conventional with poorer window frames and last floor was for attics. All this was before the invention of elevators that contributed to socially harmonize buildings.

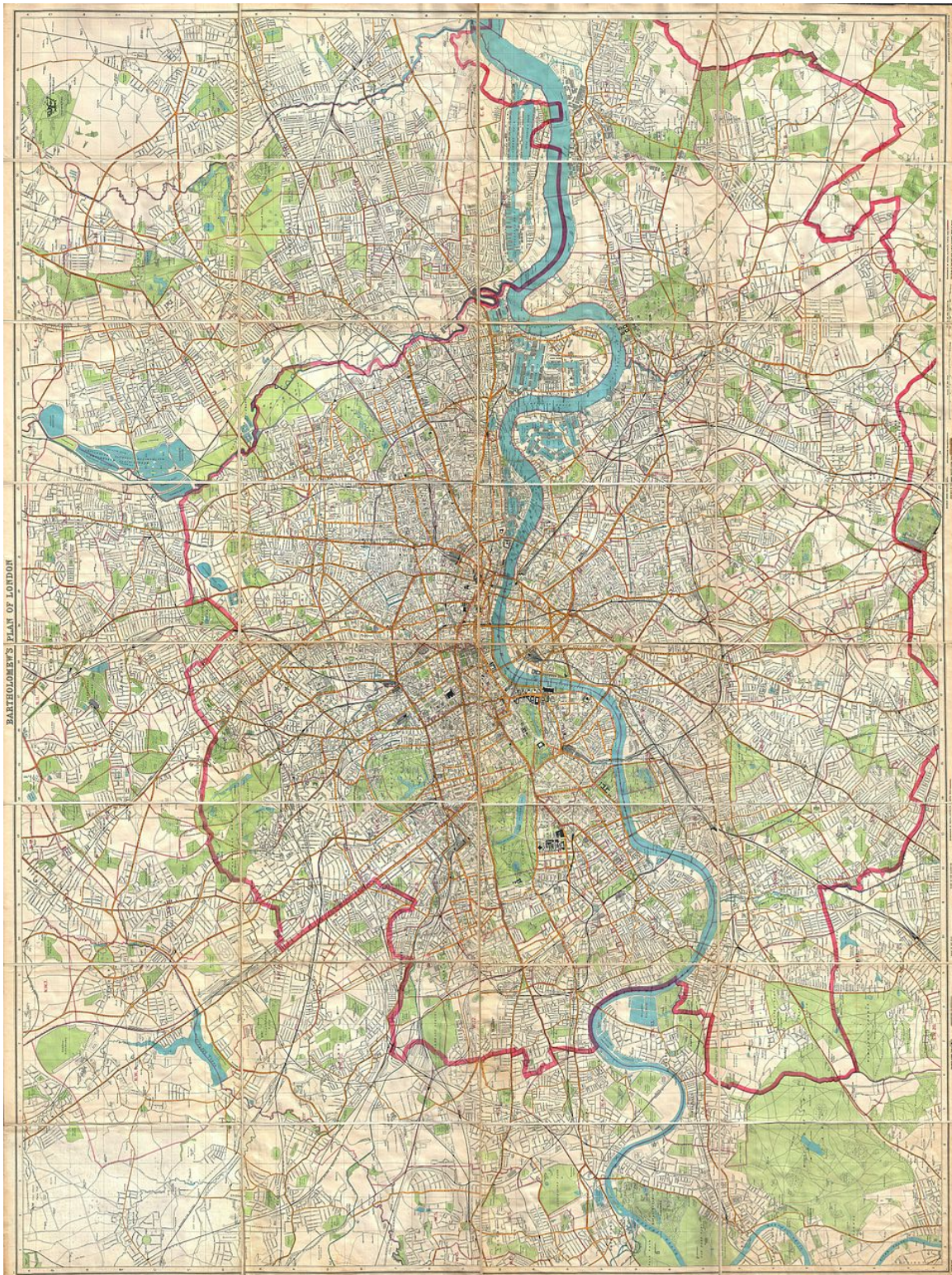
London in 1806 by Edward Mogg



London in 1862 by James Reynold

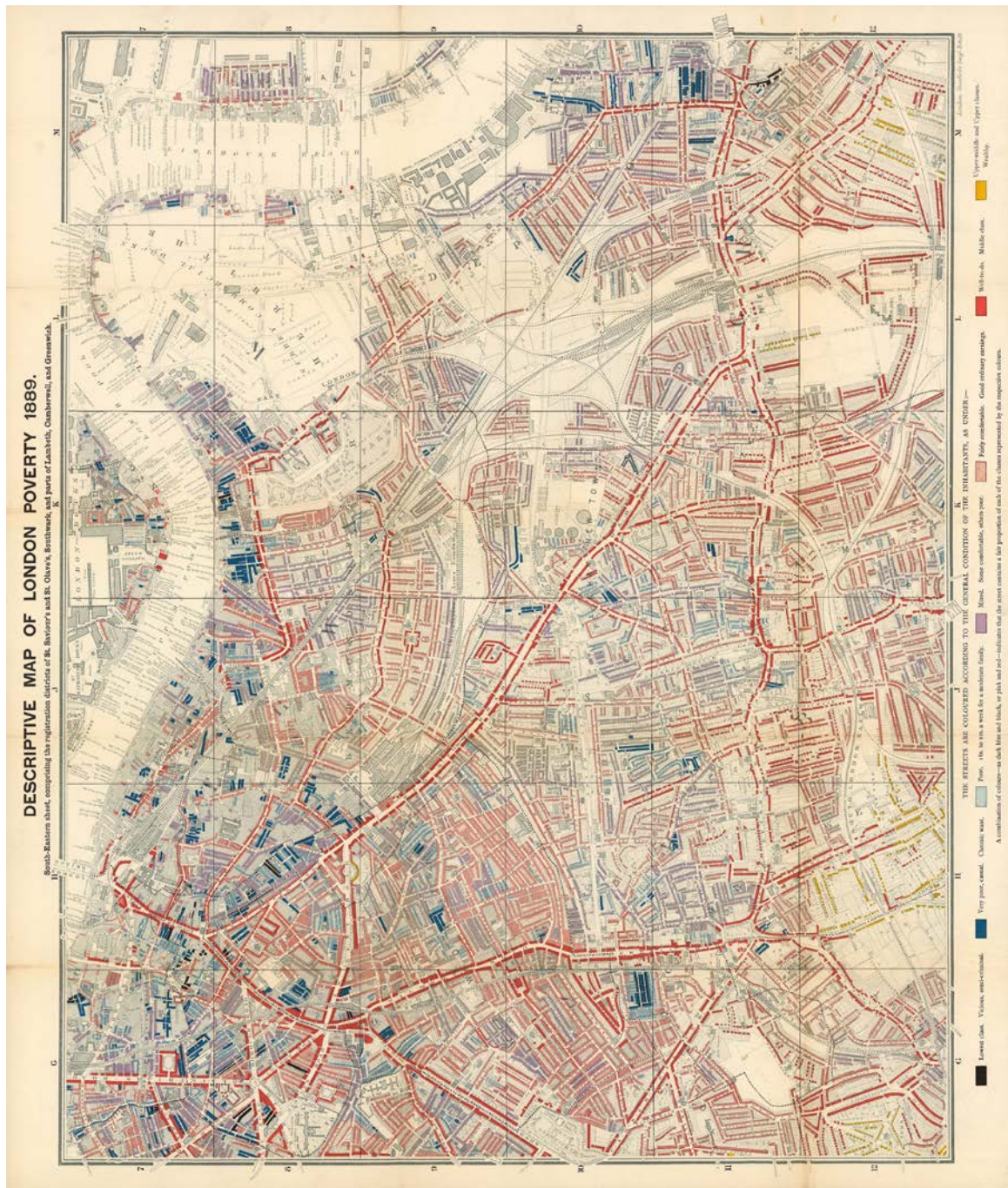


London in 1900 by John Bartholomew



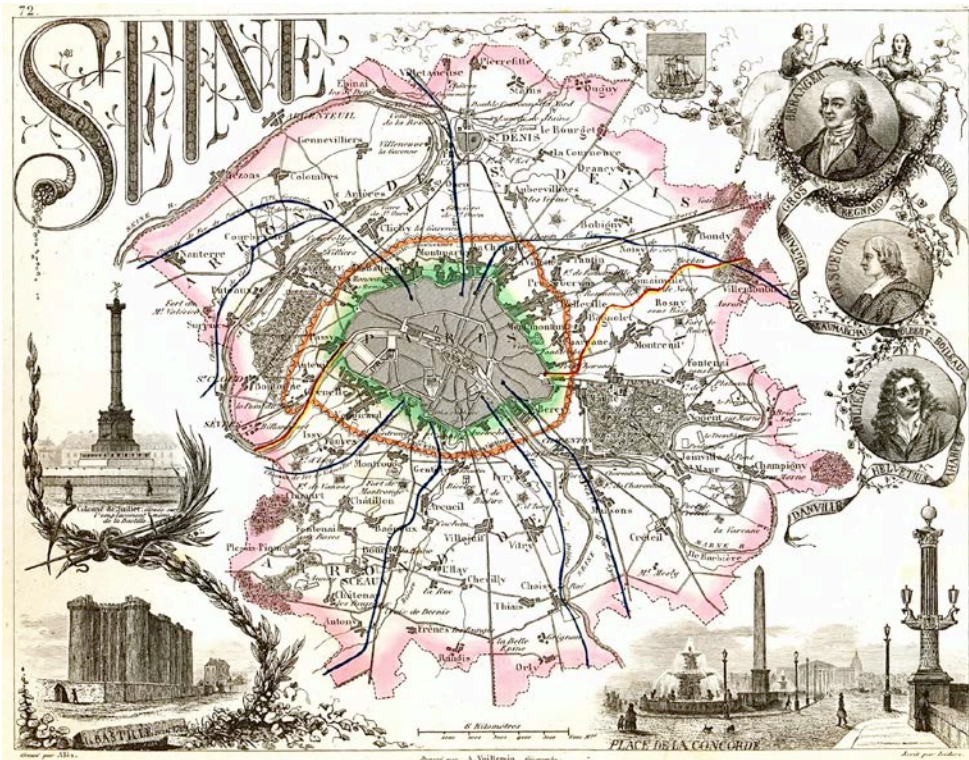
The thick red line draws the limit of the London County Council (LCC) created in 1889.

Charles Booth's Map

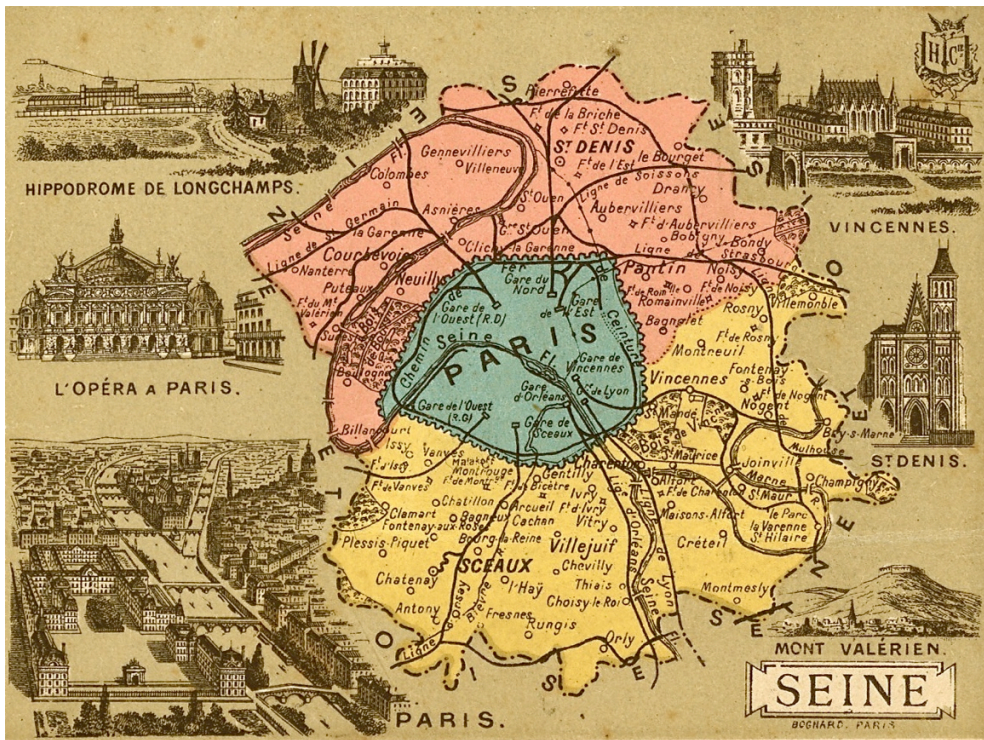


The different colours each relate to a specific “social condition” referring to both socioeconomic and moral features. For instance black means “lowest-class. Vicious, semi-criminal”, dark blue means “very-poor, casual. Chronic want” and red means “well-to-do. Middle-class” (Ross & Clark, 2012, p. 211).

The Seine District in 1851

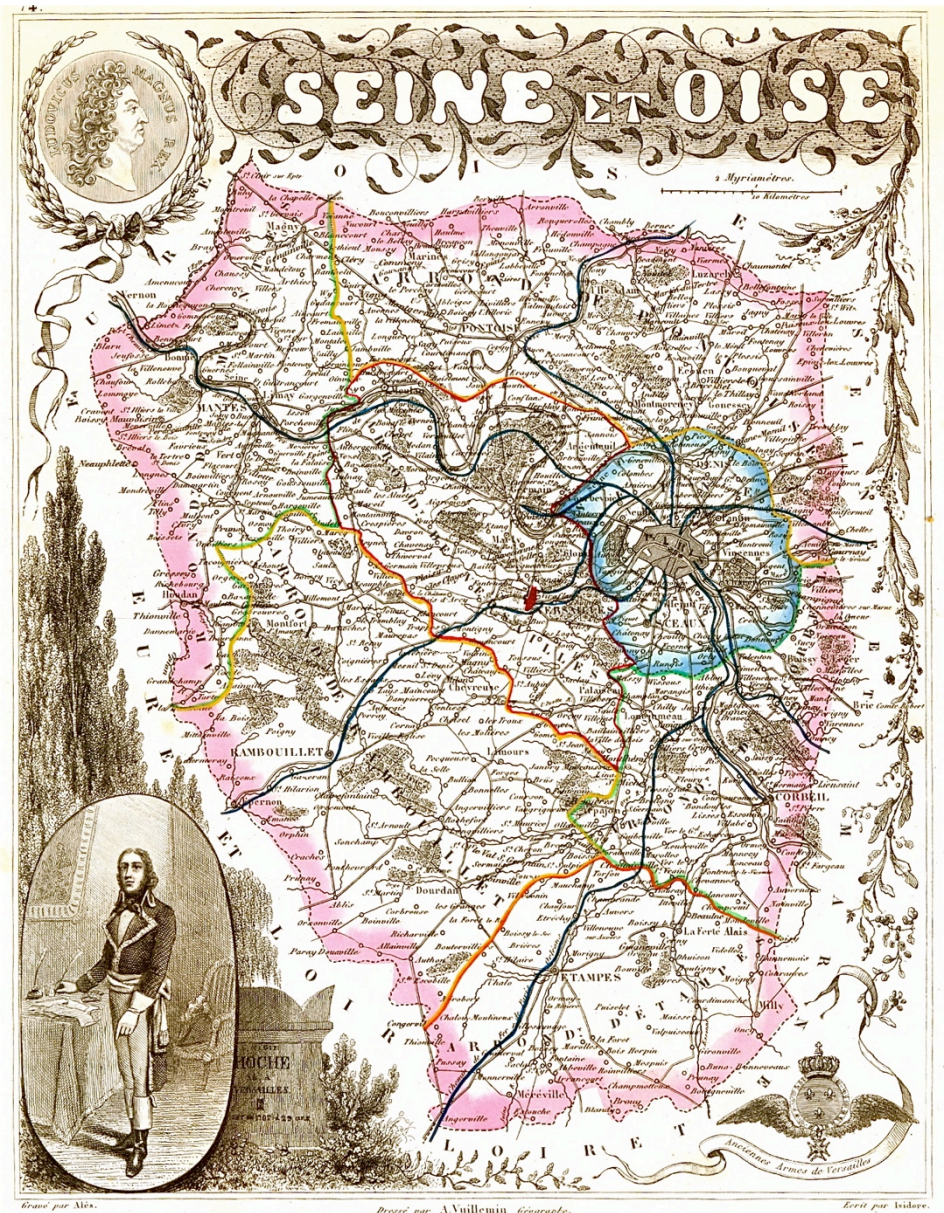


The Seine district in 1906



The sub-divisions of Saint-Denis (north) and Bagneux (south) are abolished in 1880.

The Seine-et-Oise District in 1851



The Seine-et-Oise District encompasses the Seine District in the centre (in blue).

Liberty Leading the People by Eugène Delacroix (1830)



« Lamartine repoussant le drapeau rouge à l'Hôtel de Ville » by Felix Philippoteaux (1848)



“Napoléon à terre” by Bruno Braquehais (1871)



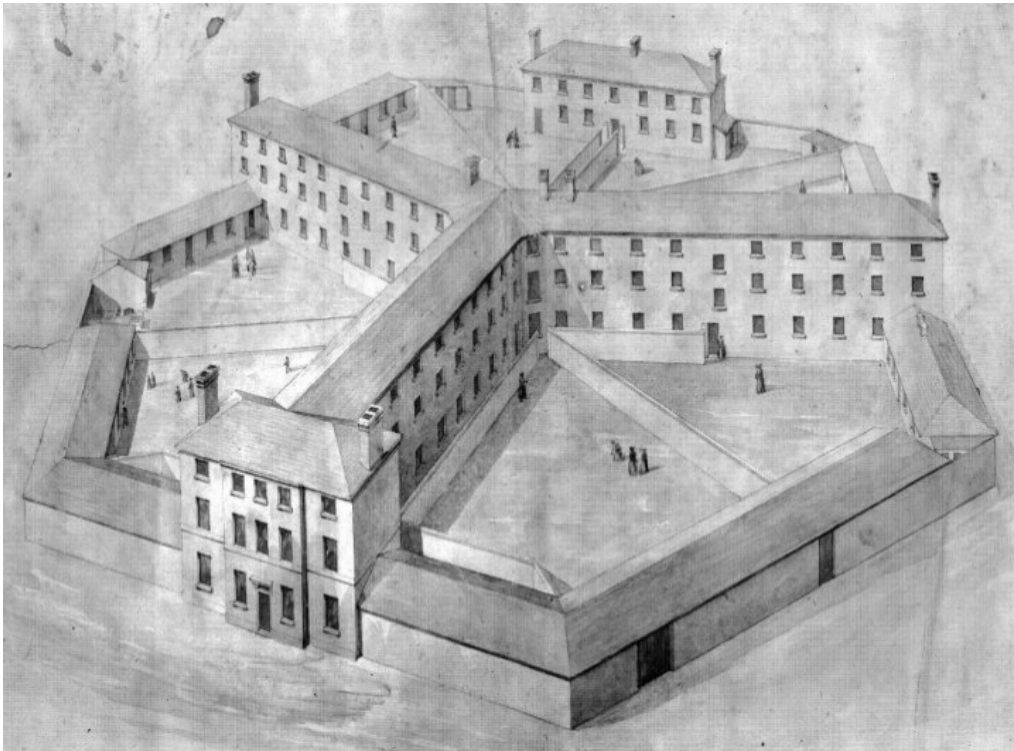
“Barricade sur la rue de Rivoli” by Bruno Braquehais (1871)



Sir Edwin Chadwick



The British workhouse and the *panopticon* model



The model of the *panopticon* is founded on the possibility for a warden placed in the central power to observe every inmates of the workhouse, and thus generate the feeling for them to be constantly watched.



Monster Soup commonly called Thames Water, by William Heath (1828)



Father Thames introducing his offspring to the fair City of London



Bribery and Corruption



BRIBERY AND CORRUPTION

HON. MEMBER (on Terrace of Parliament Palace): "O, you horrid, dirty old river!"

FATHER THAMES: "Don't *you* talk, Mister Whatsyername! Which of us has the cleaner hands, I wonder?"

Richard Arkwright's Cotton Mills by Joseph Wright of Derby (1782-83)



Richard Arkwright by Joseph Wright of Derby (1789-90)



Manchester from Kersal Moor by William Wylde (1857)



The British Coalfields in the 19th century



Source: "The Coal Mining Industry of the United Kingdom" by R.A.S.Redmayne for *The Engineering Magazine* (1904)

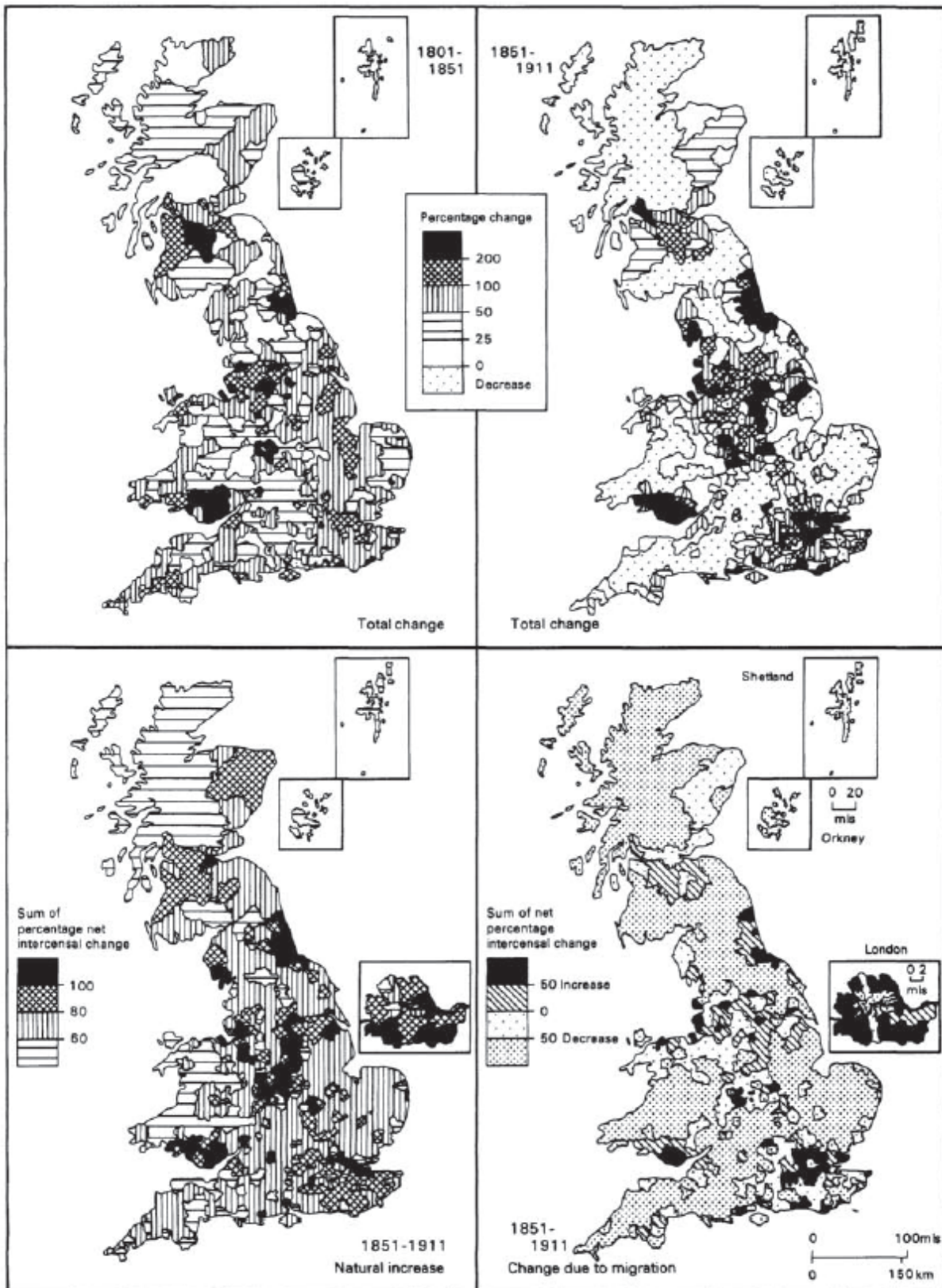
An Experiment on a Bird in an Air Pump, by Joseph Wright of Derby, 1768



A Philosopher Lecturing on the Orrery by Joseph Wright of Derby (around 1766)

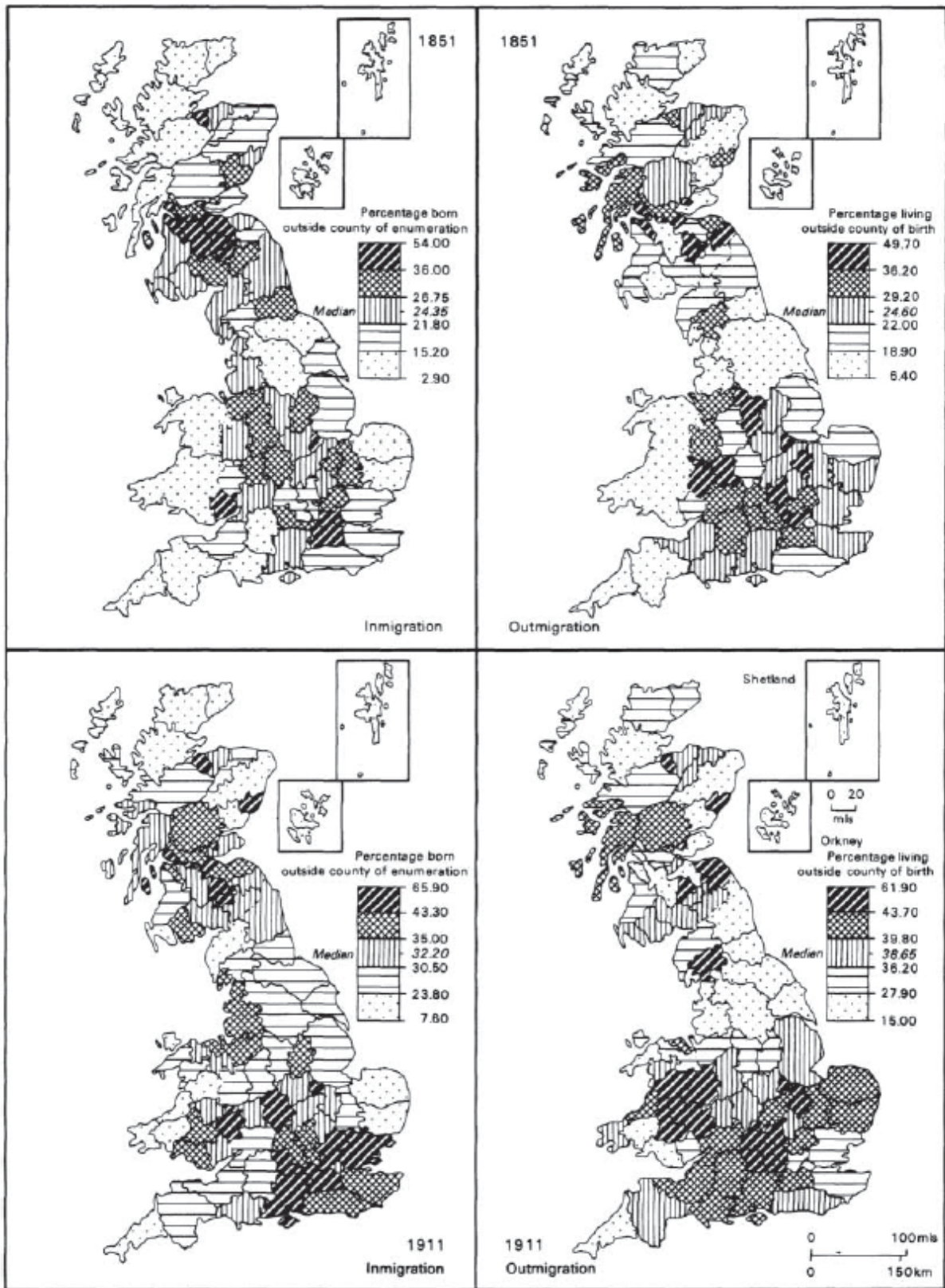


Population growth (1801-1911) and components of growth (1851-1911) in Britain



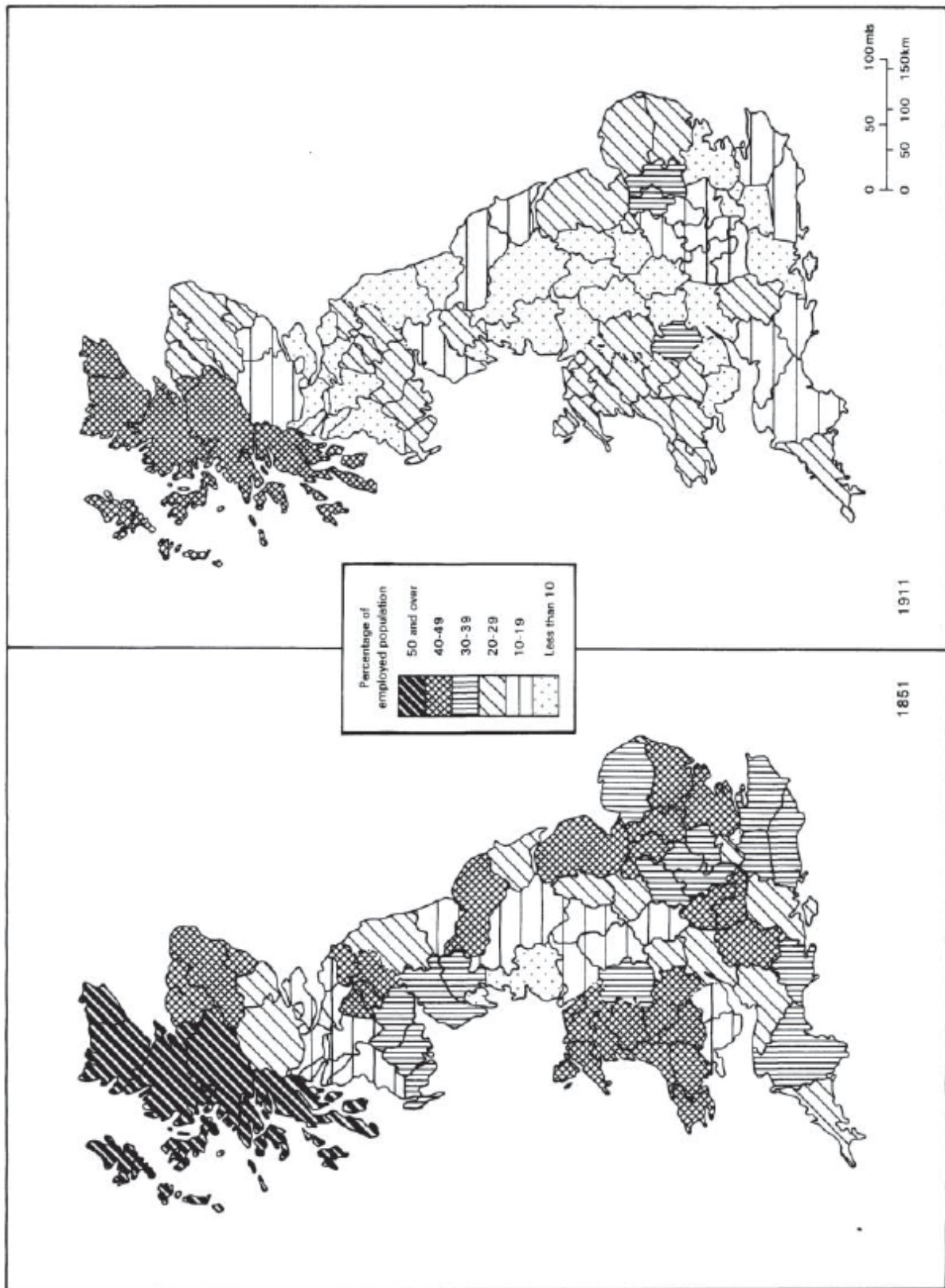
Source: (Lawton, 1986, p. 44)

Migration in Britain in 1851 and 1911



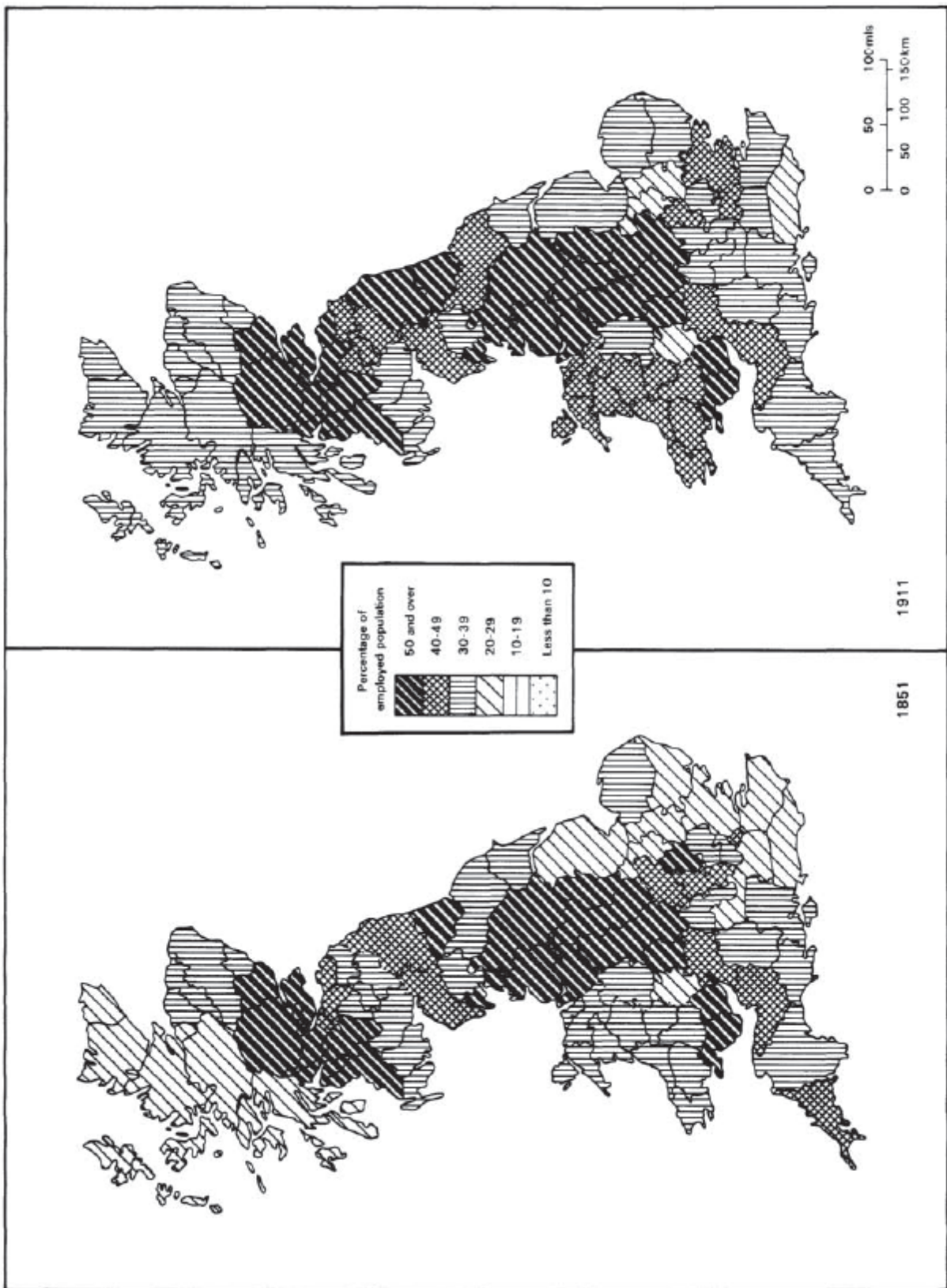
Source: (Lawton, 1986, p. 56)

Employment in agriculture in Britain (1851 and 1911)



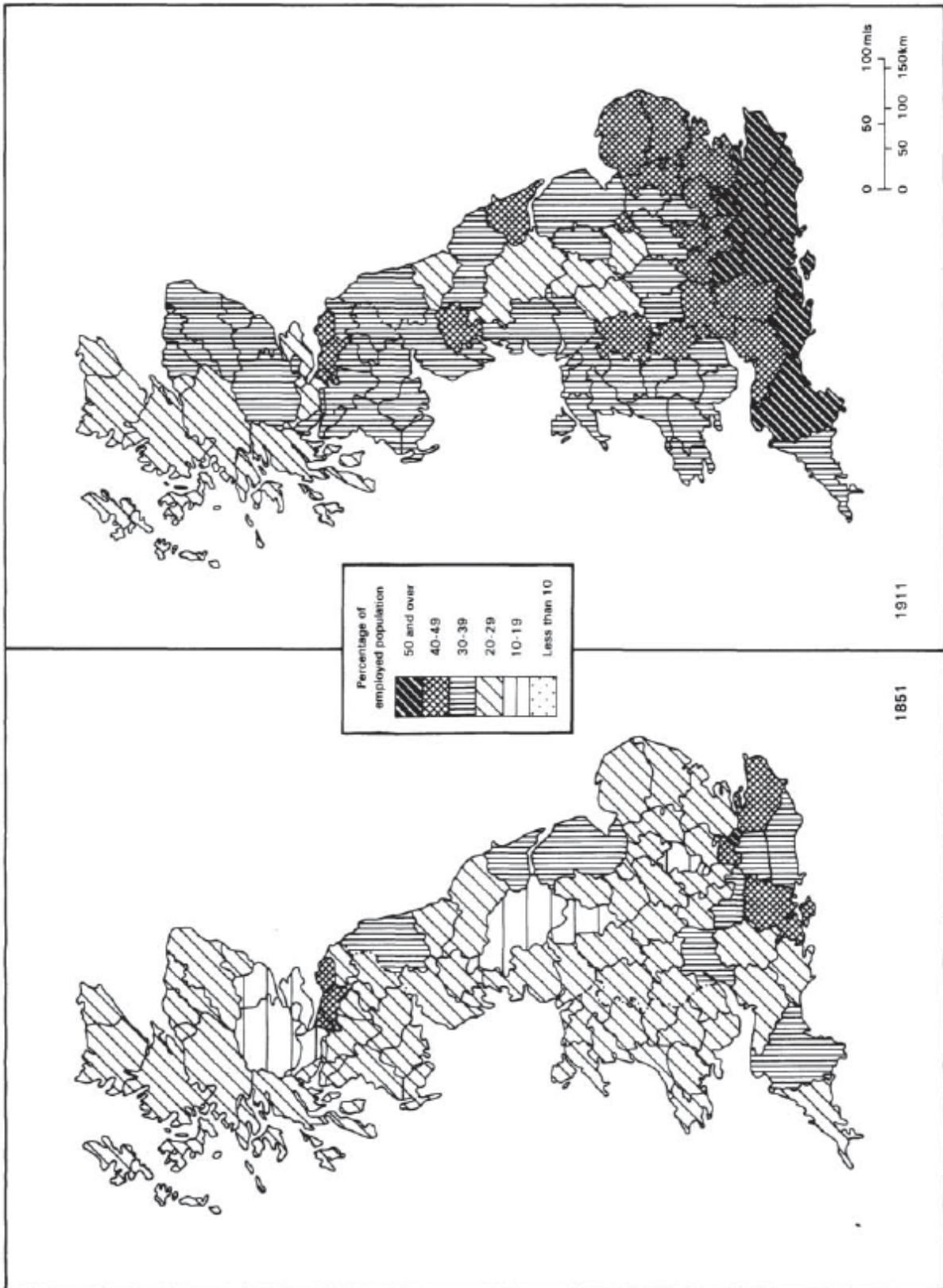
Source: (Lee, 1986, p. 62)

Employment in manufacturing in Britain (1851 and 1911)



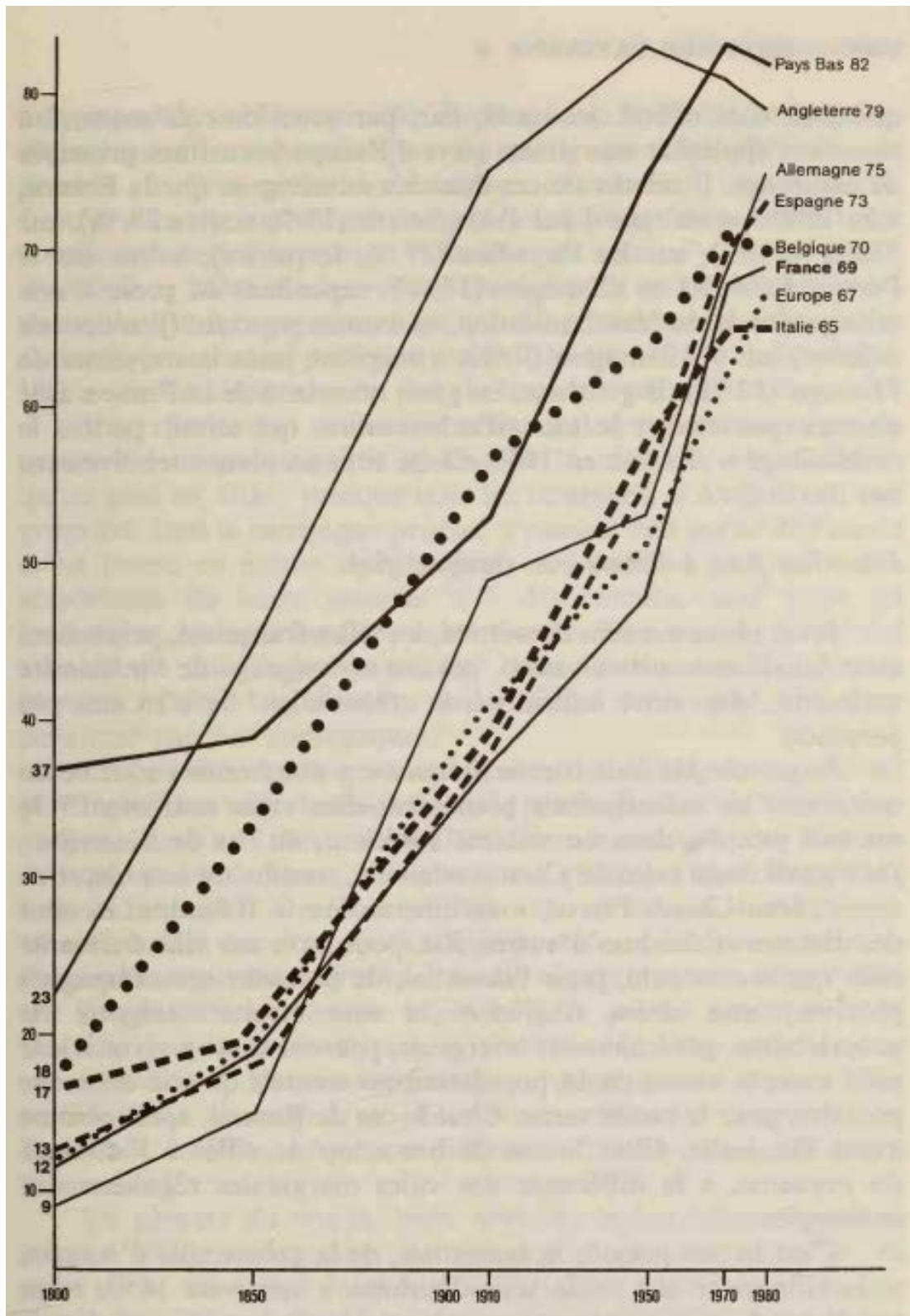
Source: (Lee, 1986, p. 63)

Employment in services in Britain (1851 and 1911)



Source: (Lee, 1986, p. 64)

Evolution of the rate of urbanization in European countries (1800-1990)



Source: (Braudel, 1990, p. 213) / from Paul Bairoch, *Villes et économies dans l'histoire* (1985, p.288)

The development of the « Habitation à Bon Marché » (HBM), Porte de Clignancourt (1937)



The lotissements created in the Interwar period



Source: (Fourcaut, 1993, p. 456)

Poster for a lotissement next to Juvisy (1910)

GRAND LOTISSEMENT DES BOIS DE BEAUSÉJOUR
LE PLUS CHARMANT COIN DES ENVIRONS DE PARIS
A l'entrée de la grande forêt de Sainte-Geneviève, sur la belle route de Corbeil à Versailles.

Près de Juvisy, à 35 minutes de Paris-Orsay
 (CHEMIN DE FER D'ORLÈANS)
 Descendre à Epinay-sur-Orge.

NOMBREUX TRAINS PAR JOUR
 qui vont être encore
 AUGMENTÉS SOUS PEU

le Métropolitain amène les voyageurs
 directement
 en gare d'Austerlitz.

Vue splendide de la Vallée de Juvisy et de la forêt.

PURETÉ DE L'AIR et vue d'une grande étendue.

Chasse et Pêche

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A VENDRE
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TERRAINS ENTIÈREMENT BOISÉS
 En bordure de belle avenue complètement terminée.
De 2 francs à 8 francs le mètre
 Facilité de paiement, crédit par le vendeur, pas d'obligation de construire.
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Pour visiter et traiter, s'adresser à :
M. HENRI DESCHE, 16, Rue Saint-Marc, PARIS
 Téléphone 292-73

Bois de Beauséjour, les Dimanches et Fêtes

N.B. — Pour grande connaissance de ce lotissement, s'adresser à
 M. LANGLOIS, notaire, Boulevard Haussmann, 97, à Paris; et à
 M. LECLERCQ, notaire, à Paris-our-Orge (S-44-92).

219373

Source: Ville de Paris (Bibliothèque Forney Roger-Viollet)

The construction of the *grands ensembles* : the example of Villiers-le-Bel

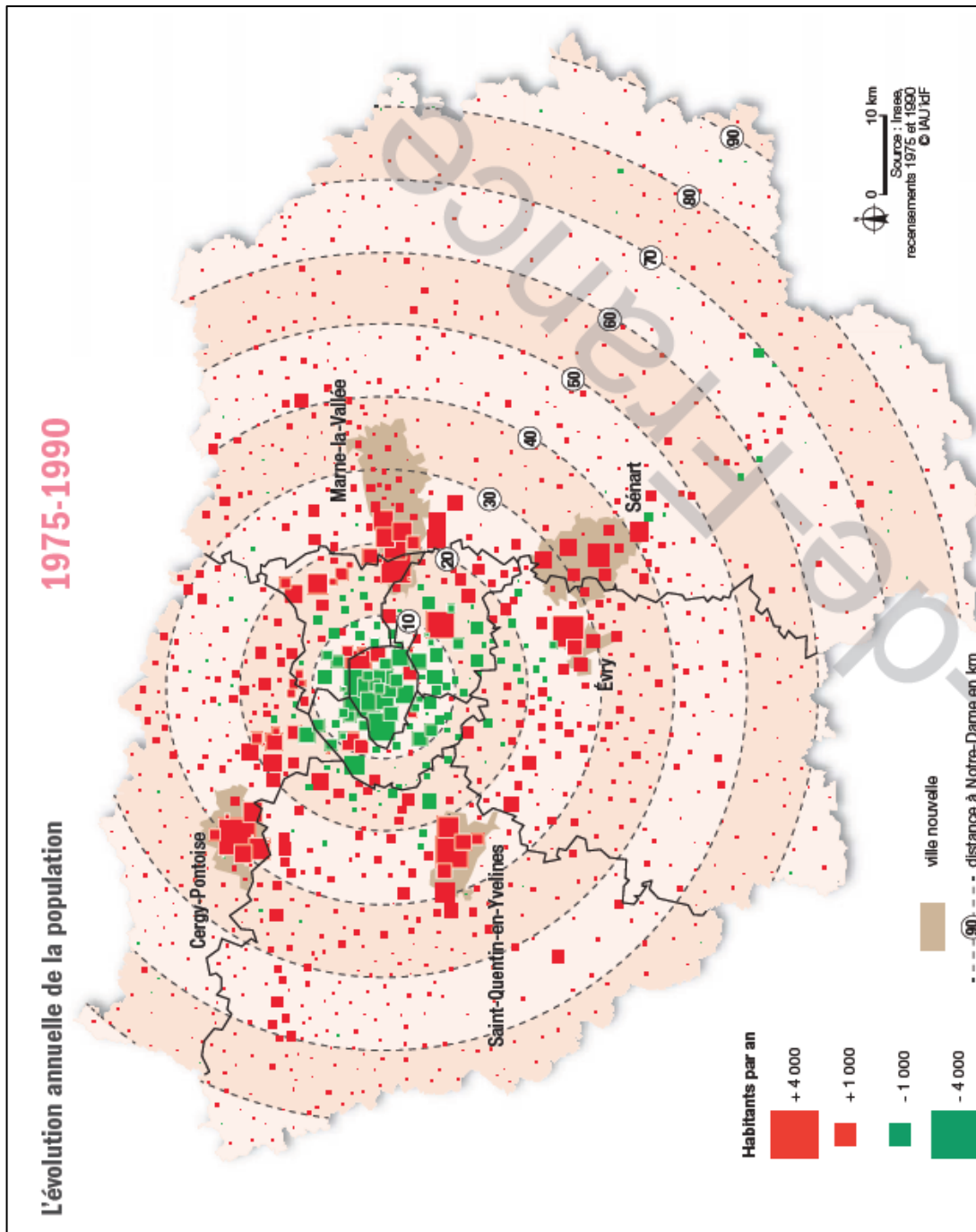


The construction of the *grands ensembles* : the example the 4000 (La Courneuve)

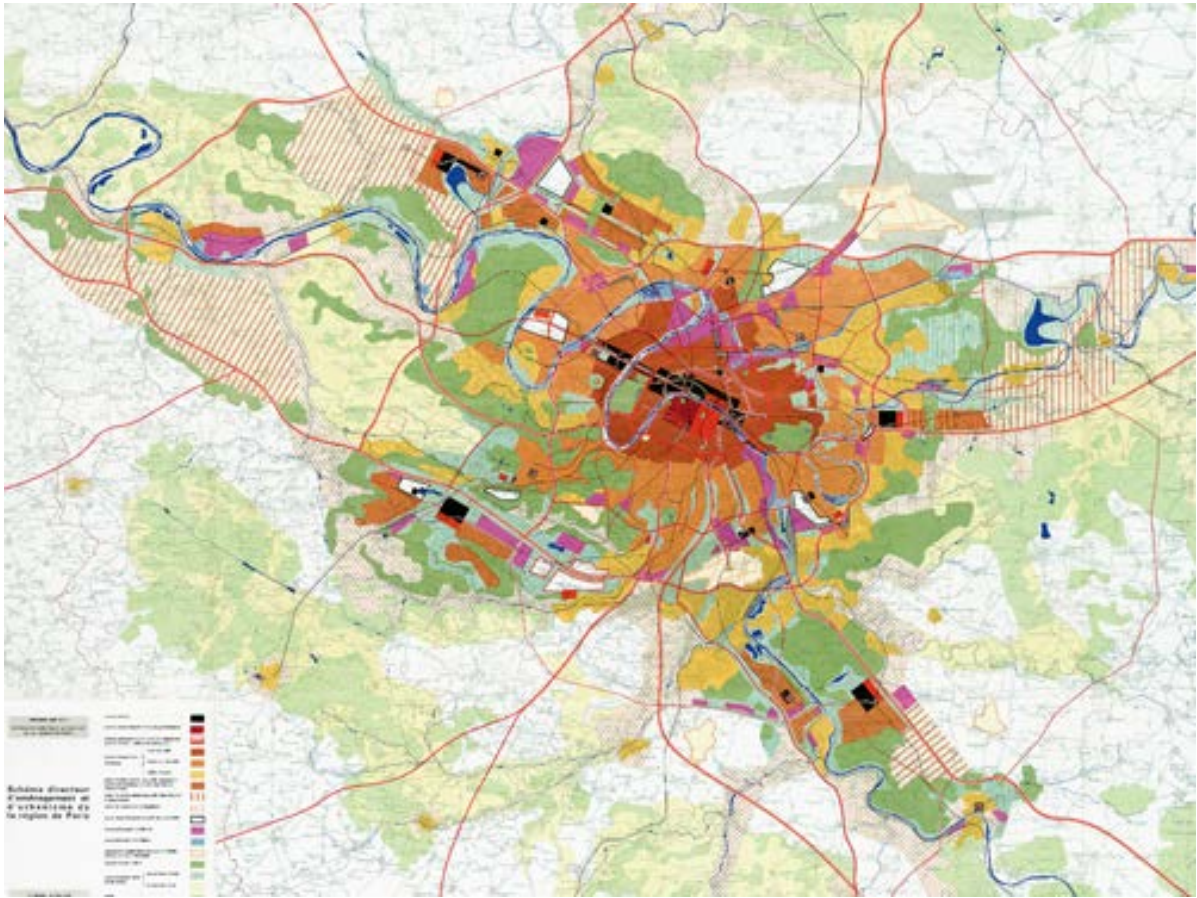


Source : (Bourillon & Fourcaut, 2012, pp. 343–356)

Annual evolution of population in the Paris region (1975-1990)

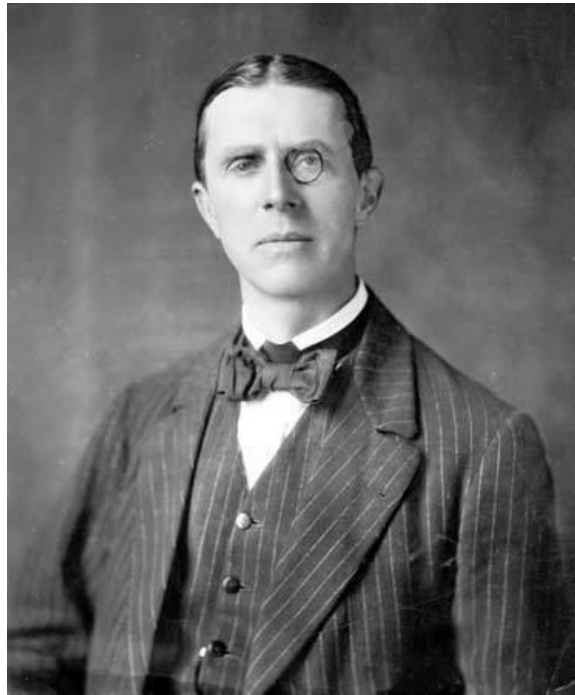


The 1965 Schéma d'aménagement et d'urbanisme de la region parisienne (SDAURP)



Source: Institut Paris Région

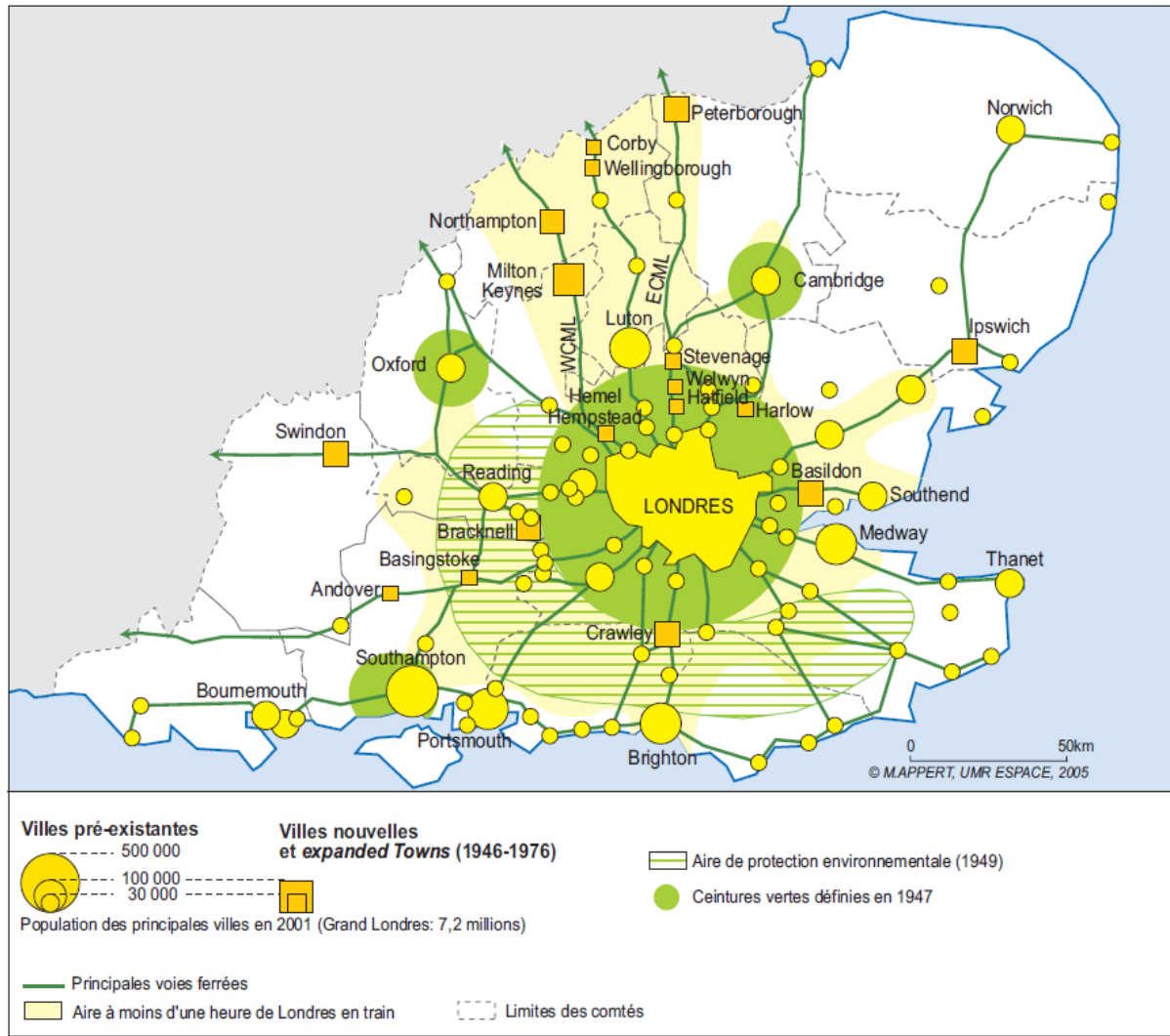
Sir Patrick Abercrombie



King George VI and Queen Elizabeth with Sir Patrick Abercrombie and J. H. Forshaw at an exhibition for the London Plan



The legacy of British Post-War regional planning policies



Source: (Appert, 2005, p. 4)

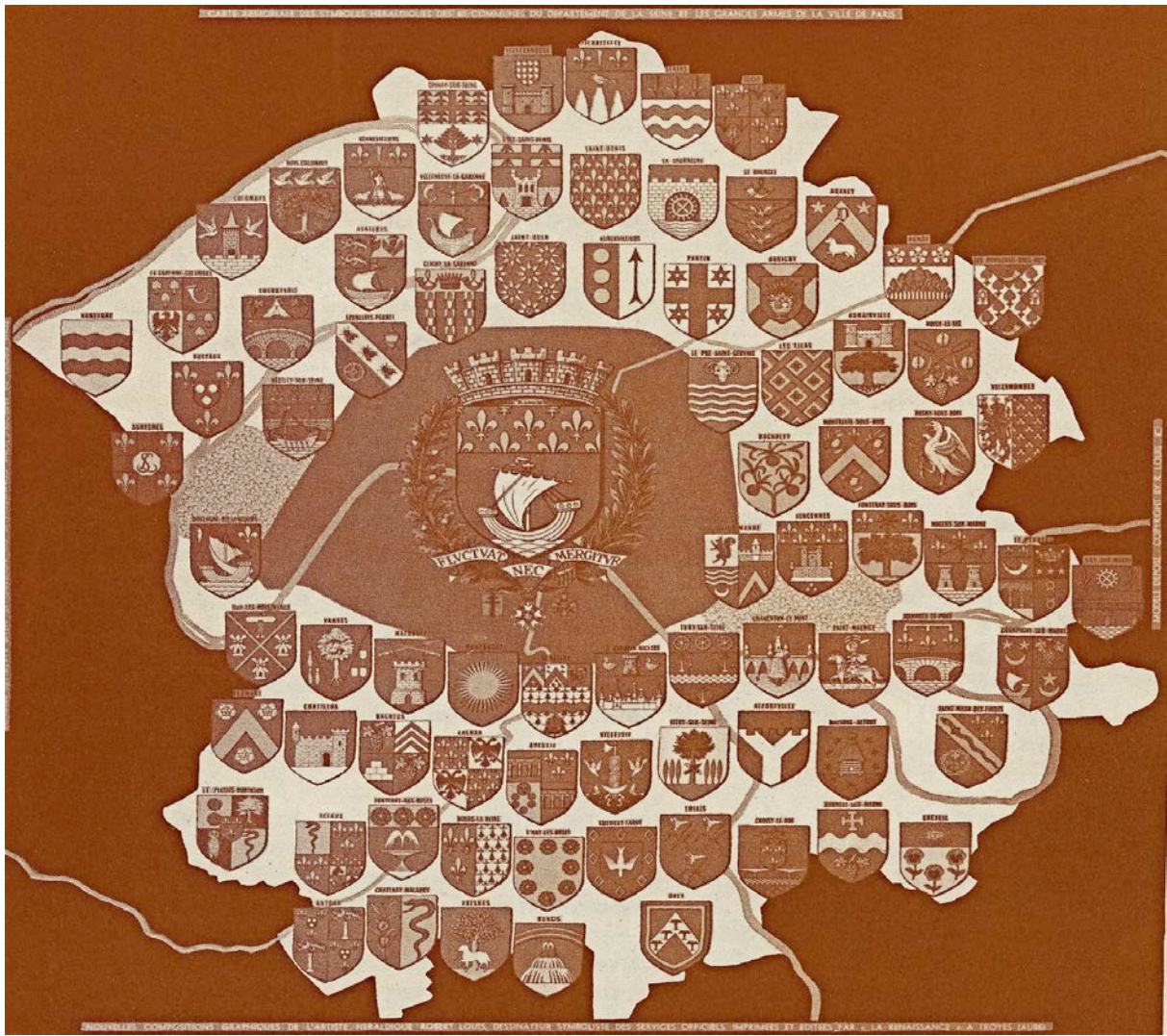
The “banlieue-paillasson” by Louis-Ferdinand Céline

« Pauvre banlieue parisienne, paillasson devant la ville où chacun s'essuie les pieds, crache un bon coup, passe, qui songe à elle ? Personne. Abrutie d'usines, gavée d'épandages, dépecée, en loques, ce n'est plus qu'une terre sans âme, un camp de travail maudit, où le sourire est inutile, la peine perdue, terne la souffrance. Paris « le coeur de la France », quelle chanson ! quelle publicité ! La banlieue tout autour qui crève ! Calvaire à plat permanent, de faim, de travail, et sous bombes, qui s'en soucie ? Personne, bien sûr. Elle est vilaine et voilà tout. Les dernières années n'ont pas arrangé les choses. On s'en doute. Banlieue de hargne toujours vaguement mijotante d'une espèce de révolution que personne ne pousse ni n'achève, malade à mourir toujours et ne mourant pas. (...) »

« La banlieue souffre et pas qu'un peu, expie sans foi le crime de rien. Jamais temps ne furent plus vides. Beau poète celui qui s'enchant de Bretagne ! de Corse ! d'Angoumois ! d'Hespérides ! La belle affaire ! chanter Bezons, voilà l'épreuve ! »

Louis-Ferdinand Céline, Preface to *Bezons à travers les âges* by Alfred Serouille (1943)

Map of the 80 coats of arms of the Seine District in 1951 (1959)



The pioneers of Greater Paris



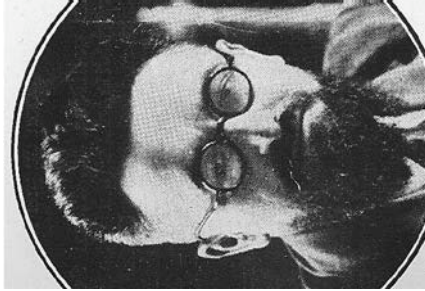
Théodore TISSIER

Mayor of Bagneux from 1899 to 1935
 Founder and President of the large
 « syndicats intercommunaux »
 de l'agglomération parisienne



Louis DAUSSET

Municipal councillor of Paris, President of the
 municipal council of Paris (1901-1902)
 President of the Seine district (1919-1920)
 Président of the Comité supérieur
 d'aménagement et d'organisation générale
 de la région parisienne (CSAORP)



Henri SELLIER

Mayor of Suresnes from 1919 to 1941
 Founder of the public offices of HBM and of
 social health
 President of the Seine district 1927 to 1928



André MORIZET

Senator-Mayor of Boulogne-Billancourt
 from 1919 to 1942



Georges MARRANE

Mayor of Ivry-sur-Seine (1925-1965)
 President of the Seine district from 1936 to 1937 and in 1945

Albert Thomas and Henri Sellier's propositions for the creation of a "Grand Paris"

**Extract from the preface by Albert Thomas to the 1915 report by Henri Sellier in the collection
« Les documents du socialisme »**

“(…) In an immense agglomeration such as the Seine, it is necessary that all the resources be each used at their own places. We need a large central administration for all the district. We need, in every corner, a clever use of good will and implications. Henri Sellier described the general framework of the new organization that must be created: a general council elected in a way that puts the general problems at the foreground of the preoccupations of the Assembly, that abolishes the spirit of wards or arrondissements, that both manages the communal services of the city of Paris and of the suburban communes, namely that gathers the municipal council, the general council and, to a certain extent, the municipal councils of the communes.

Next to this, either in the suburban communes, either in the Paris arrondissements, elected councils and commissions will have attributions strictly limited to local issues. The system is simple. It is dictated by economic and social necessities. The aim is no longer to claim, in an anachronistic way, the municipal autonomy of Paris or the common right regime for Paris and its banlieue. An exceptional situation requires an exceptional organization. But its elaboration cannot be inspired by these political scruples, by this fear of the large revolutionary city that had formerly brought an exception regime for Paris. It must only be inspired by the necessity of a good administration organization (…)

**Extraits de la préface d'Albert Thomas au rapport d'Henri Sellier de 1915 publié dans la collection «
Les documents du socialisme »**

(…) Dans une immense agglomération comme celle de la Seine, il faut que toutes les compétences soient utilisées chacune à leur place. Il faut une grande administration centrale pour tout le département. Il faut, dans chaque coin, l'utilisation intelligente des bonnes volontés et des dévouements. Henri Sellier a décrit dans ses grandes lignes l'organisation nouvelle qui doit être instituée : un conseil général élu par un mode de scrutin qui place les problèmes généraux au premier plan des préoccupations de l'Assemblée, qui abolisse l'esprit de canton ou d'arrondissement, qui gère à la fois les services communaux de la ville de Paris et des communes suburbaines, qui englobe en un mot le conseil municipal, le conseil général et, dans une certaine mesure, les conseils municipaux des Communes.

A côté, soit dans ces Communes de banlieue, soit dans les arrondissements de Paris, des conseils et des commissions élus auront des attributions strictement limitées aux questions locales. Le système est simple. Il est dicté par les nécessités économiques et sociales. Il ne s'agit plus de réclamer, selon une formule surannée, l'autonomie municipale de Paris ou le régime de droit commun pour Paris et sa banlieue. Une situation exceptionnelle exige une organisation exceptionnelle. Mais sa conception ne peut être inspirée par ces scrupules politiques, par cette peur de la grande cité révolutionnaire qui faisait créer naguère pour Paris un régime d'exception. Elle doit être inspirée seulement par la nécessité d'une bonne organisation administrative. (…)

Source : (Dallier, 2008, pp. 21–23)

Henri Sellier's views on large agglomerations, from a communication in "Les sciences administratives, revue de l'union internationale des villes », n.3-4, 1925

« In general, the problem is raised as follows : originally there is an identity between the urban agglomeration and the administrative unit. This unity, city or commune, shelters, in the limits of its history, the whole agglomerated or spread population, proceeding from the same economic and social urban life, and having a total solidarity of interests. The phenomenon of urban concentration happening, the initial agglomeration progressively receives an influx of population such as it is meant to settle outside the administrative boundaries of the city or commune. Part of the population must, while continuing to take part to a unique economic activity and urban life, be sorted on the territory of different administrative units, having no intricate link with one another.

This phenomenon is all the more strengthened that the development and improvement of urban transports facilitates the exodus to the periphery. The Paris agglomeration, to take this example, has a central core: Commune of Paris, with 3 million people and, for only taking the part of the agglomeration within the limits of the district (Seine departement), one million and a half inhabitants who are divided between 79 communes independent from both the city of Paris and one another. Yet it is both sociologically and economically impossible to differentiate the people from each or each part of the agglomeration. The communal boundaries resulting in old historical traditions have topographically disappeared completely, the commune interpenetrate one another, the populations have the same administrative and economic and social preoccupations, and still each commune being administratively independent, the problem arises of knowing how the common services will be organized, how the communes can be led to collaborate in commercial or industrial areas, in wealthy residential ones, as aggregates of working-class or destitute populations. The resources produced by the economic activity of the agglomeration and which are the base of local taxes, are sometimes concentrated in some communes, whereas the charges implied, both in terms of health, assistance and education services, by the influx on the specific territory of "Lumpen Proletariat" or even of working-class populations of modest conditions, are supported by the communes that do not have the possibility of finding in their administrative boundaries the necessary resources for compensating them (...) »

Original French text

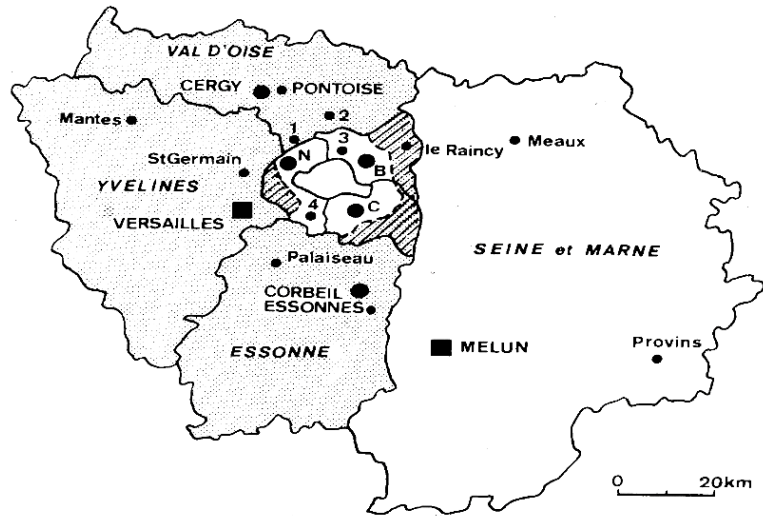
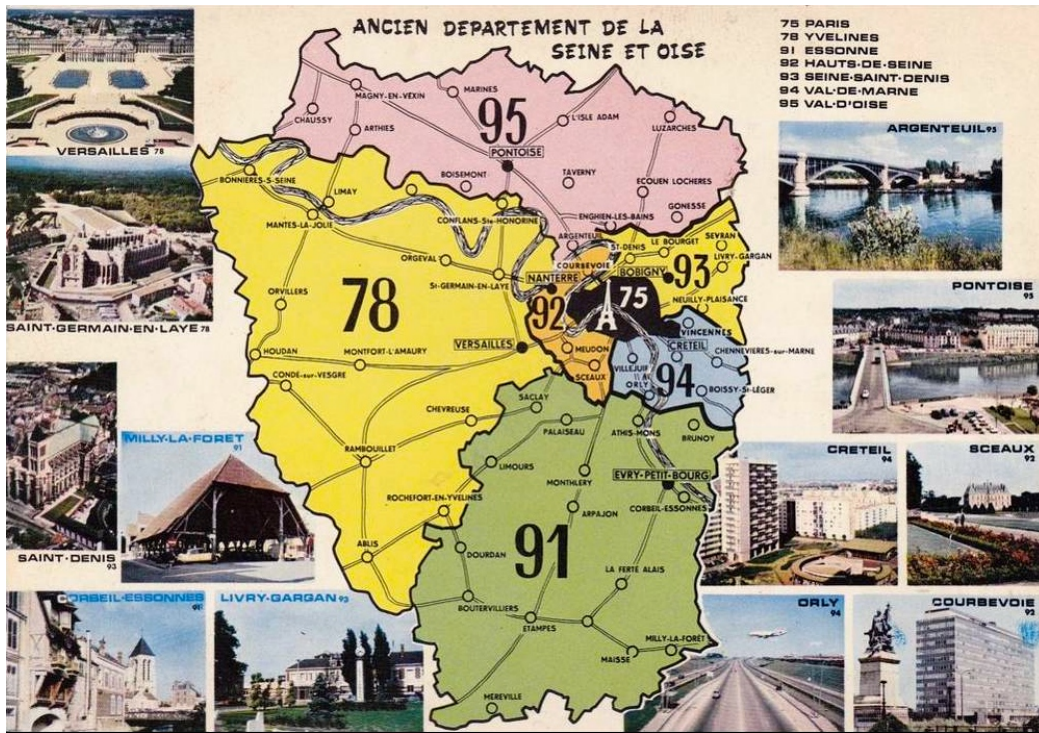
« En général, le problème se pose de la façon suivante : A l'origine il y a identité entre l'agglomération urbaine et l'unité administrative. Cette unité, ville ou commune, contient, dans les limites de son territoire, l'ensemble de la population agglomérée ou éparse, procédant de la même vie économique et sociale urbaine, et ayant une solidarité complète d'intérêts. Le phénomène de la concentration urbaine intervenant, l'agglomération initiale reçoit progressivement un afflux de population tel que celle-ci est appelée à s'établir en dehors des limites administratives de la ville ou commune. Une partie de la population doit, en continuant à participer d'une activité économique et d'une vie urbaine uniques, être répartie sur le territoire d'unités administratives différentes, n'ayant entre elles aucun lien étroit.








Ce phénomène est encore accentué au fur et à mesure que le développement et le perfectionnement des transports urbains facilitent l'exode vers la périphérie. L'agglomération parisienne, pour prendre cet exemple, comporte un noyau central : Commune de Paris, avec 3 millions d'habitants et, pour ne prendre que la partie de cette agglomération qui est comprise dans les limites du district (département de la Seine), 1 million ½ d'habitants qui sont répartis entre 79 communes indépendantes à la fois de la ville de Paris et les unes des autres. Or il est, au point de vue sociologique et économique, impossible de différencier les habitants de telle ou telle partie de l'agglomération. Les limites communales

résultant de vieilles traditions historiques ont topographiquement complètement disparu, les communes s'interpénètrent les unes les autres, les populations ont les mêmes besoins administratifs et les mêmes préoccupations économiques et sociales, et cependant chaque commune étant administrativement indépendante, le problème se pose de savoir comment vont être organisés les services communs, comment les communes peuvent être appelées à collaborer en quartier commercial ou industriel, en centre de résidence bourgeois, en agrégat de populations ouvrières ou miséreuses. Les ressources produites par l'activité économique de l'agglomération, et qui servent de base aux impositions locales, se trouvent parfois concentrées dans certaines communes, alors que les charges qu'entraîne, tant du point de vue des services d'hygiène que de ceux d'assistance et d'enseignement, l'afflux sur un territoire déterminé de « Lumpen Prolétariat » ou même de populations ouvrières de conditions modestes, sont supportées par les communes qui n'ont pas la possibilité de trouver dans leurs limites administratives les ressources nécessaires pour les compenser. (...) »

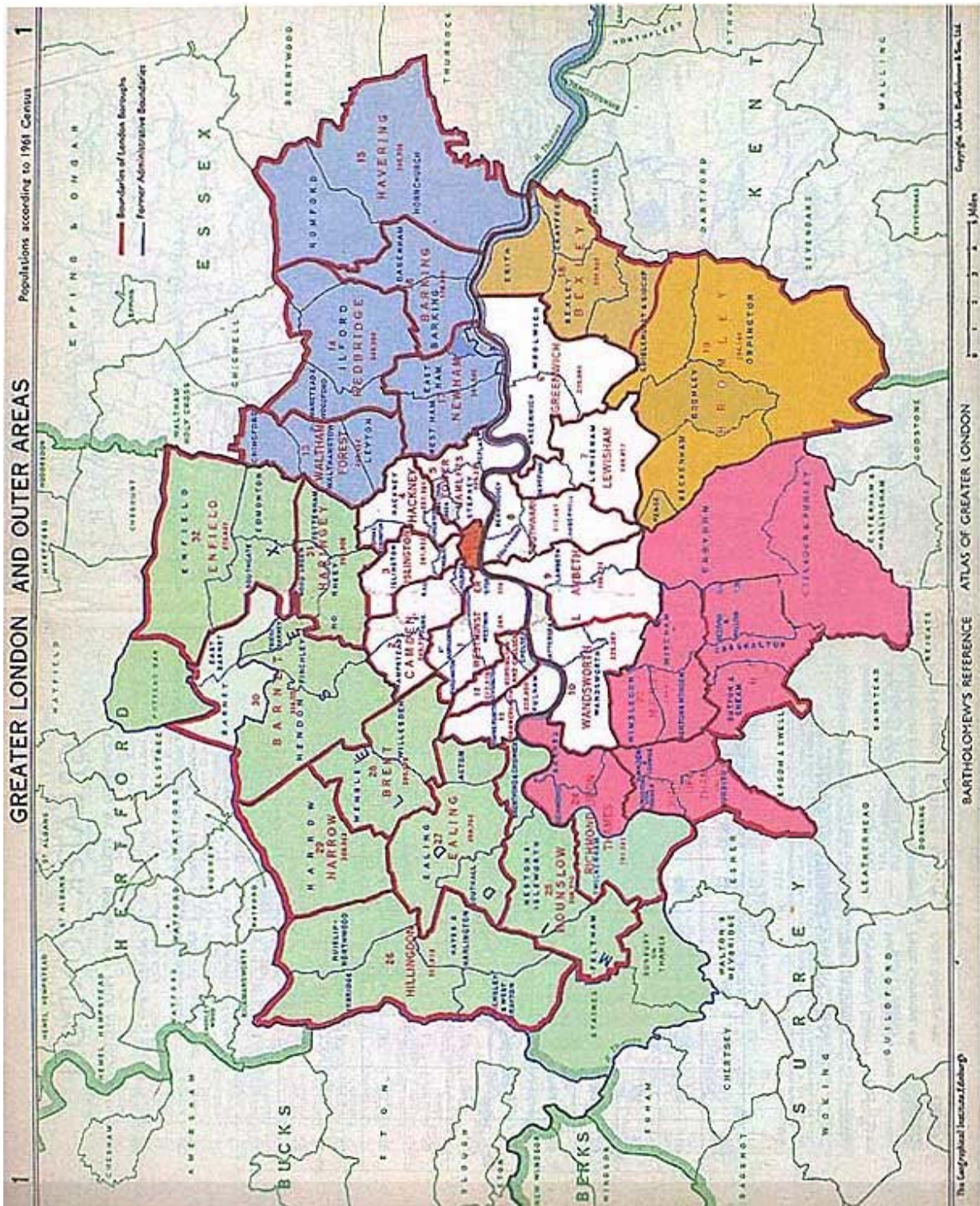
Source : (Dallier, 2008, pp. 21–23)

The splitting of the Seine and Seine-et-Oise districts (196)



-  Ancien département de la Seine
-  Ancien département de Seine-et-Oise
-  Portions de territoire prélevées sur la Seine-et-Oise pour former une partie des départements de l'actuelle petite couronne
-  Limite des actuels départements
-  Préfectures préexistantes à la réforme administrative de 1964
-  Nouvelles préfectures (N : Nanterre, Hauts-de-Seine ; B : Bobigny, Seine-Saint-Denis ; C : Créteil : Val-de-Marne)
-  Sous-préfectures (1 : Argenteuil ; 2 : Montmorency ; 3 : Saint-Denis ; 4 : Antony)

The creation of the Greater London Council (1964)



Source: Atlas of Greater London

The demographic evolution of Paris and London through history (11th century – Early 1980s)

Population (thousands)	12th	13th	14th	15th	Mid-16th	Late 16th	17th	Early 18th
Paris	20	200	270	100	350	300	500	600
London	18	50	100	50	180	400	500	675

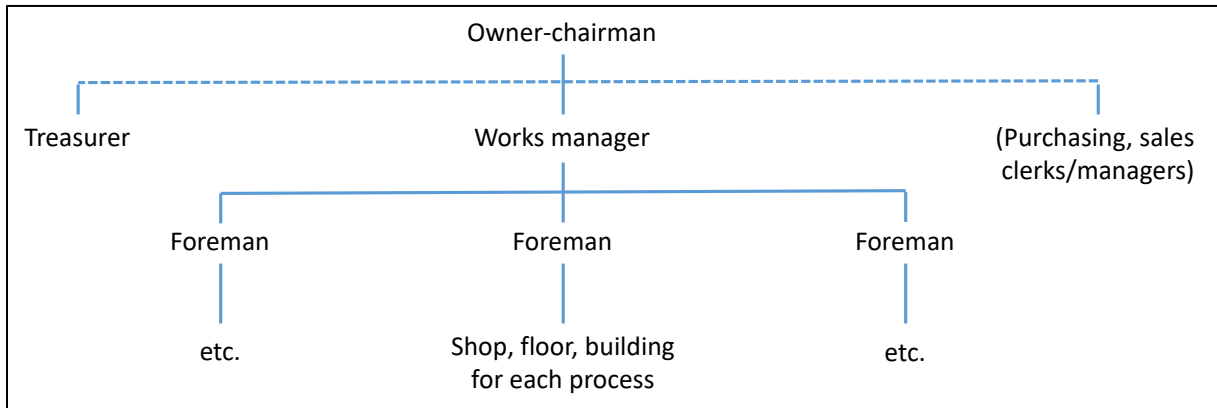
Population (thousands)	Late 18th	Early 19th	Mid-19th	Early 20th	1920s	Mid-XXth	Early 1980s
Paris	700	548	2 000	4 000	6 000	6 800	10 000
London	900	900	4 500	7 000	8 000	9 800	9 000

CITY	SOURCES	SCALE
12th		
Paris	Yvan Combeau, <i>Histoire de Paris</i> (p.21)	City boundaries (equals agglomeration)
London	Historyoflondon.co.uk	
13th		
Paris	Claude Gauvard and Boris Bove, <i>Paris du Moyen Age</i> (p.7). In 1328 they estimate the population of Paris between 210,000 and 270,000 inhabitants but mention recent and convincing historical research in favour of the upper one.	City boundaries (equals agglomeration)
London	Jean Favier, <i>Bourgeois de Paris au Moyen-Age</i> (p.13)	
14th		
Paris	Claude Gauvard and Boris Bove, <i>Paris du Moyen Age</i> (p.7). In 1328 they estimate the population of Paris between 210,000 and 270,000 inhabitants but mention recent and convincing historical research in favour of the upper one.	City boundaries (equals agglomeration)
London	Rémy Bethmond, <i>Histoire de Londres</i> (p.46)	
15th		
Paris	George Duby, <i>Histoire de Paris par la peinture</i> (p.17)	City boundaries (equals agglomeration)
London	Steve Rappaport, <i>Worlds within worlds</i> (p.61)	
Early 16th		
Paris	Yvan Combeau, <i>Histoire de Paris</i> , p.32	City boundaries (equals agglomeration)
London	Rémy Bethmond, <i>Histoire de Londres</i> (p.77)	
Late 16th		
Paris	Yvan Combeau, <i>Histoire de Paris</i> , p.32	City boundaries (equals agglomeration)
London	Rémy Bethmond, <i>Histoire de Londres</i> (p.77)	
17th		
Paris	Yvan Combeau, <i>Histoire de Paris</i> , p.32	Agglomeration (equals functional urban region)
London	Finlay and Shrearer, "Population Growth and Suburban London", p.39	
Early 18th		
Paris	Bove et al, <i>Le Gouvernement des Parisiens</i> , p.23	Agglomeration (equals functional urban region)
London	Finlay, <i>Population and the Metropolis</i> , p.51	
Late 18th		
Paris	Bove et al, <i>Le Gouvernement des Parisiens</i> , p.23	Agglomeration (equals functional urban region)
London	Finlay, <i>Population and the Metropolis</i> , p.51	
Early 19th		
Paris	Yvan Combeau, <i>Histoire de Paris</i> , p.51	Agglomeration (equals functional urban region)
London	Official British census	
Mid-19th		
Paris	Bastié and Brichler, "Délimitation de l'agglomération parisienne", p.434	Agglomeration (equals functional urban region)
London	Official British census	
Late 19th		
Paris	Bastié and Brichler, "Délimitation de l'agglomération parisienne", p.434	Agglomeration (equals functional urban region)
London	Official British census	
1920s		
Paris	Bastié and Brichler, "Délimitation de l'agglomération parisienne", p.434	Agglomeration (equals functional urban region)
London	Rémy Bethmond, <i>Histoire de Londres</i> (p.195)	
Mid-XXth		
Paris	Cheshire and Gornostaeva, "More useful Londons" (p.186)	Functional urban region
London	Cheshire and Gornostaeva, "More useful Londons" (p.186)	
Early 1980s		
Paris	Cheshire and Gornostaeva, "More useful Londons" (p.186)	Functional urban region
London	Cheshire and Gornostaeva, "More useful Londons" (p.186)	

CHAPTER 5

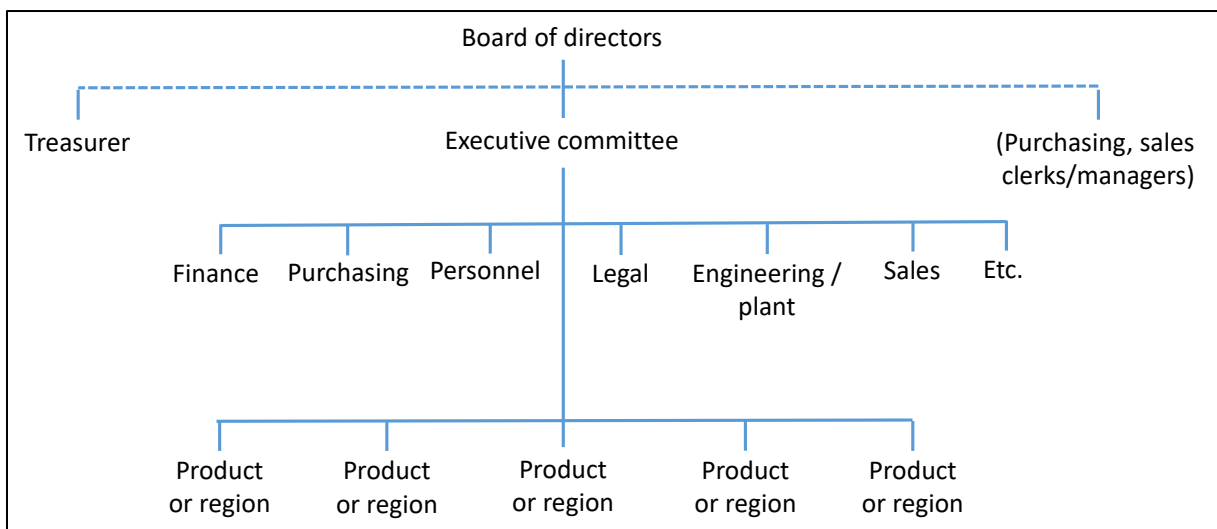
The three steps of the firm by Alfred Chandler and Herman Deams, as schematized by Christopher Schmitz

The “personal” form of organization



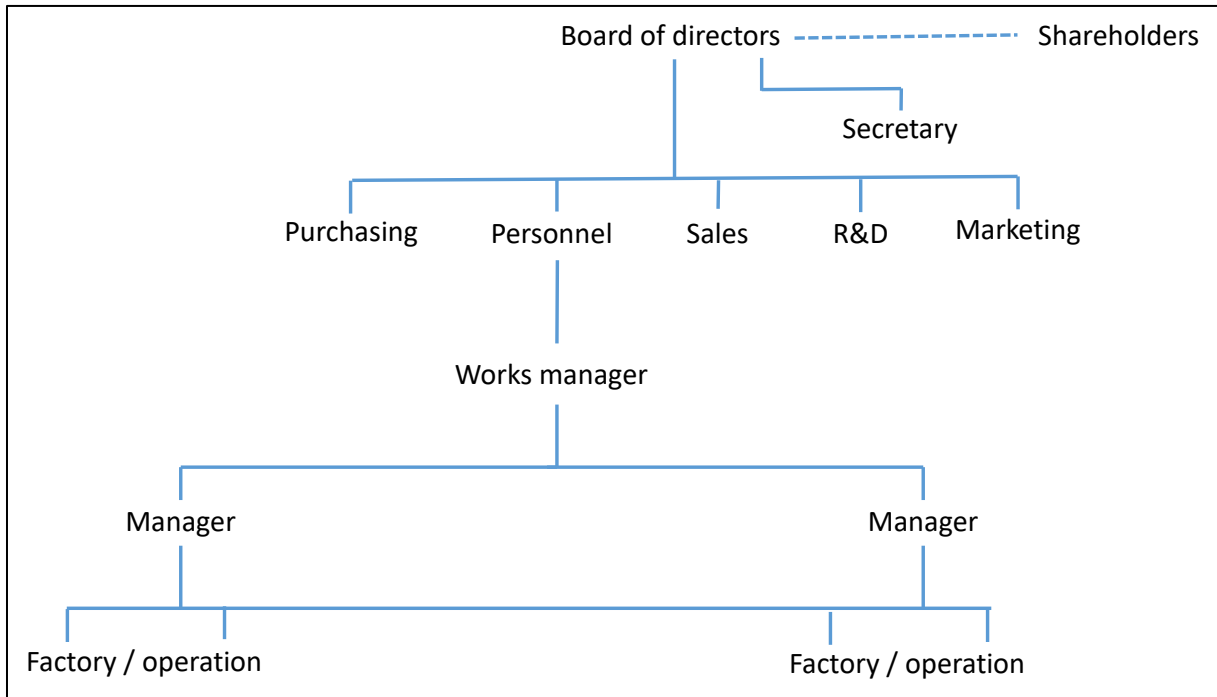
Source: (Schmitz, 1993, p. 38)

The “entrepreneurial” form of organization



Source: (Schmitz, 1993, p. 39)

The “managerial” form of organization



Source: (Schmitz, 1993, p. 40)

Ownership of top 100 companies in France and the UK in 1998

Ownership	France No.	UK No.
Public Company – Dispersed Shareholding	22	95
Public Company – Concentrated Shareholding	42	5
Dominant Family Shareholding	15	0
Dominant State Shareholding	15	0
Co-operative Enterprise/ Groupement d'Intérêt Économique (GIE)	6	0
	100	100

Note: A company with a dispersed shareholding is defined as no single shareholder or shareholder group holding 20% or more of equity. A company with a concentrated shareholding is defined by a single shareholder or shareholder group holding 20% or more of equity. A dominant family or state holding is 20% or more of equity.

Source : (Maclean, Harvey and Press, 2006, p. 67)

Board structures of top 100 companies in France and the UK in 1998

Structure	France		UK	
	1998	2003	1998	2003
Unitary Main Board (UK unitary)	-	-	100	100
Conseil d'Administration + Comité Exécutif (French unitary)	75	72	-	-
Conseil de Surveillance + Directoire (French dual)	25	28	-	-

Note: In some cases, the data for 2003 relate to a successor company.

Source : (Maclean, Harvey and Press, 2006, p. 78)

Size and composition of directorial teams of top 100 companies in France and the UK in 1998

	France		UK	
	Mean	Standard Deviation	Mean	Standard Deviation
Executives	6	3.32	6	2.11
Non-Executives	12	4.93	6	2.30
All	18	6.03	12	3.25

Source : (Maclean, Harvey and Press, 2006, p. 84)

Social origins of top 100 directors of French and UK companies in 1998

Social Class	France (%) (n=94)	UK (%) (n=91)
Upper	42.55	35.17
Upper-Middle	34.04	28.57
Lower-Middle	19.15	25.27
Lower	4.26	10.99

Source : (Maclean, Harvey and Press, 2006, p. 91)

Classification of social origins

Social Class of Parental Family	Evidence Needed for Inclusion of Subject in Class
Upper	Born into a family with substantial wealth and a large income based on inheritance or a parent occupying a leading position in society. Strong evidence of advantages resulting from family possession of very high levels of economic, cultural, social and symbolic capital.
Upper-Middle	Born into a family with one or more parent with a prestigious job and high earnings. Strong evidence of advantages resulting from family possession of high levels of economic, cultural and social capital.
Lower-Middle	Born into a family with a middling income and comfortable lifestyle. Some evidence of advantages resulting from family possession of economic and cultural capital.
Lower	Born into a family with a modest or low income. Little evidence of advantages resulting from family possession of significant amounts of capital of any kind.

Source : (Maclean, Harvey and Press, 2006, p. 266)

Schools and higher education institutions most frequently attended by members of the French business of 1998

Rank	Institution	Frequency of Attendance	% of All Known Attendances
Schools			
1	Lycée Louis-le-Grand, Paris	79	9.42
2	Lycée Janson-de-Sailly, Paris	55	6.56
3	Lycée Saint-Louis, Paris	37	4.41
4	Ecole Sainte-Geneviève, Versailles	32	3.81
5	Lycée Carnot, Paris	25	2.98
6	College Stanislas, Paris	16	1.91
7=	Lycée Buffon, Paris	12	1.43
7=	Lycée du Parc, Lyon	12	1.43
7=	Lycée Henri IV, Paris	12	1.43
10	Ecole Saint-Louis-de-Gonzague, Paris	10	1.19
	Other	549	65.43
	Total Known Attendances	839	100.00
Higher Education			
1	Ecole Polytechnique	163	12.01
2	Institut d'Etudes Politiques (IEP), Sciences-Po, Paris	160	11.79
3	Ecole Nationale d'Administration (ENA)	125	9.21
4	Ecole des Hautes Etudes Commerciales (HEC)	82	6.04
5=	Paris I-Panthéon Sorbonne	65	4.79
5=	Paris II-Panthéon Assas	65	4.79
7	Ecole des Mines de Paris (ENSMP)	53	3.91
8	Harvard	36	2.65
9	Ecole Centrale	33	2.43
10	Institut Européen d'Administration des Affaires (INSEAD)	22	1.62
	Other	553	40.75
	Total Known Attendances	1,357	100.00

Source : (Maclean, Harvey and Press, 2006, p. 101)

Schools and higher education institutions most frequently attended by members of the UK business elite of 1998

Rank	Institution	Frequency of Attendance	% of All Known Attendances
Schools			
1	Eton College	33	6.59
2	Winchester College	13	2.59
3=	Harrow School	11	2.20
3=	Marlborough College	11	2.20
5=	Ampleforth College, York	6	1.20
5=	Charterhouse School	6	1.20
5=	Shrewsbury School	6	1.20
5=	Glasgow Academy	6	1.20
9=	Malvern College, Worcestershire	5	1.00
9=	Rugby School	5	1.00
	Other	399	79.62
	Total Known Attendances	501	100.00
Higher Education			
1	Cambridge	119	16.21
2	Oxford	97	13.22
3	Harvard	47	6.40
4	Manchester/UMIST	23	3.13
5	London School of Economics	21	2.86
6	Glasgow	18	2.45
7	Imperial	16	2.18
8	Birmingham	15	2.04
9=	Edinburgh	14	1.91
9=	London Business School	14	1.91
	Other	350	47.69
	Total Known Attendances	734	100.00

Source : (Maclean, Harvey and Press, 2006, p. 106)

Career profiles of top 100 directors in France and the UK in 1998

	France	UK
Corporate	41	84
Enterprise to Corporate	9	2
Public Administration to Corporate	49	3
Law to Corporate	0	6
Media to Corporate	0	2
Politics to Corporate	1	1
Academia to Corporate	0	1
Sport to Corporate	0	1
	100	100

Notes: This table tracks how people found their way into a director role in a top 100 company. People who entered the corporate sector at an early age and worked their way up are classified as having a corporate only career profile. Other people, who spent a significant time earlier in their career working in another field, are classified as having moved into the corporate sector. Those who founded a company or who helped in making a small enterprise into a top 100 company are classified as having moved from the enterprise sector into the corporate sector.

Source : (Maclean, Harvey and Press, 2006, p. 127)

Career foundations of top 100 directors in France and the UK in 1998

	France	UK
General, Operations and Project Management	32	32
Engineering, Science and Technical	32	19
Finance and Accounting	9	27
State Policy and Administration	26	2
Marketing and Media	0	11
Law	0	7
Human Resources and Communications	0	2
Research and Academia	1	0
	100	100

Notes: This table classifies the main activities engaged in by future top 100 directors during the first decade of their career. In France, many future top 100 directors began their careers as government employees. These are distributed in the table within three categories according to function and orientation: engineering, science and technical; finance and accounting; state policy and administration.

Source : (Maclean, Harvey and Press, 2006, p. 131)

Equity participation of the French government in top 100 companies in 1998

Company	Top 100 Rank	% of Equity Held	Industry Group
Charbonnages de France	85	100.00	Oil and Gas, Mining and Materials
EdF	7	100.00	Utilities and Telecommunications
EMC	61	100.00	Oil and Gas, Mining and Materials
Gaz de France	32	100.00	Oil and Gas, Mining and Materials
La Poste	27	100.00	Utilities and Telecommunications
RATP	46	100.00	Transport and Distribution Services
SNCF	25	100.00	Transport and Distribution Services
Snecma	48	97.20	Manufacturing
Air France	28	94.57	Transport and Distribution Services
Cogema	52	81.50	Oil and Gas, Mining and Materials
France Télécom	2	75.00	Utilities and Telecommunications
Française des Jeux	74	72.00	Media, Consumer Services/Products
Aérospatiale	30	62.16	Manufacturing
Framatome	47	51.00	Utilities and Telecommunications
Renault	6	45.87	Manufacturing
Bull	54	17.40	Manufacturing
Seita	51	11.10	Media, Consumer Services/Products
Dassault Aviation	58	10.75	Manufacturing
Peugeot Citroën	24	5.77	Manufacturing
Total	9	1.70	Oil and Gas, Mining and Materials
Usinor	21	1.00	Oil and Gas, Mining and Materials
Airbus Industrie	66	* 0.00	Manufacturing
Elf Aquitaine	4	** 0.00	Oil and Gas, Mining and Materials

Notes: * Aérospatiale had a major shareholding in Airbus Industrie, giving the French government leverage over its direction.

** Following the privatisation of Elf Aquitaine in 1993, the French government retained an element of control through the possession of a 'golden share' which gave special powers to the Minister of Economic Affairs.

Source : (Maclean, Harvey and Press, 2006, p. 187)

Consolidated information from CAC40 company databases

Company Name	Employee Count	Number people in the board	Average age in the board	Share of foreign people	Share of women in the board	Years at Organization	Years on Board	Years in Current Role	% having other positions	% being on current other Public Boards	% being on Current Private	% being on current Other Boards
ACCOR SA	192 627	12	52,4	42%	50%	9,7	4,9	4,0	66,7%	50,0%	58,3%	8,3%
AIRBUS SE (Airbus Group SE prior to 01/2017)	129 442	12	59,4	75%	25%	5,7	4,0	3,6	100,0%	100,0%	83,3%	8,3%
ARCELORMITTAL SA (Arcelor SA prior to 11/2007)	208 583	9	60,0	89%	33%	8,9	7,5	6,7	100,0%	66,7%	77,8%	22,2%
ATOS SE (Atos SA prior to 09/2015)	97 267	12	64,3	50%	50%	8,8	8,2	7,3	58,3%	41,7%	41,7%	8,3%
AXA SA	116 514	16	61,4	44%	50%	7,1	5,1	3,2	93,8%	56,3%	93,8%	12,5%
BNP PARIBAS SA	196 128	14	58,1	36%	43%	7,0	5,8	4,8	78,6%	64,3%	71,4%	21,4%
BOUYGUES SA	117 997	14	55,4	0%	50%	11,5	10,2	8,4	85,7%	57,1%	50,0%	14,3%
CAPGEMINI SE (Cap Gemini SA prior to 06/2017)	199 698	13	60,0	23%	38%	11,5	6,3	3,3	84,6%	76,9%	53,8%	0,0%
CARREFOUR SA	378 923	19	59,3	16%	42%	4,9	4,4	4,2	78,9%	47,4%	63,2%	0,0%
COMPAGNIE DE ST-GOBAN SA	179 149	14	59,0	21%	43%	8,5	5,6	4,5	78,6%	64,3%	64,3%	0,0%
MICHELIN (CIE GENERALE DES ETABLISSEMENTS)	107 807	10	61,8	20%	40%	9,5	6,5	3,8	70,0%	60,0%	50,0%	0,0%
CREDIT AGRICOLE SA	76 305	21	60,5	5%	48%	7,6	5,1	4,7	85,7%	28,6%	85,7%	0,0%
DANONE SA (Groupe Danone SA prior to 04/2009)	104 843	16	58,0	31%	44%	10,9	6,6	4,5	68,8%	37,5%	50,0%	0,0%
DASSAULT SYSTEMES SE	161 140	13	62,8	23%	38%	12,4	10,5	5,9	69,2%	61,5%	53,8%	7,7%
ENGIE SA (GDF Suez SA prior to 07/2015)	4 738	19	59,1	26%	42%	6,9	4,7	4,6	63,2%	52,6%	52,6%	0,0%
ESSILORLUXOTTICA (Essilor International SA prior to 10/2018)	66 918	16	57,1	63%	44%	6,2	3,2	1,8	75,0%	43,8%	68,8%	0,0%
HERMES INTERNATIONAL SA	13 483	15	52,6	13%	40%	10,7	7,4	7,1	80,0%	33,3%	66,7%	0,0%
KERING SA (PPR SA prior to 06/2013)	44 055	12	51,6	25%	67%	10,2	7,9	6,2	66,7%	50,0%	58,3%	0,0%
AIR LIQUIDE SA	65 200	12	61,2	50%	42%	10,2	7,4	4,9	83,3%	66,7%	66,7%	16,7%
LOREAL SA	82 606	15	57,0	27%	47%	11,4	8,3	7,3	66,7%	46,7%	46,7%	0,0%
LEGRAND SA	34 105	10	58,6	30%	50%	7,2	6,3	4,1	70,0%	70,0%	50,0%	20,0%
LVMH MOET HENNESSY VUITTON SE (LVMH Moët-Hennessy Vuitton SA prior to 03/2015)	145 247	15	63,2	27%	40%	13,4	13,3	12,1	73,3%	60,0%	53,3%	6,7%
ORANGE (France Telecom SA prior to 07/2013)	151 556	18	54,1	6%	39%	6,5	3,8	3,0	66,7%	50,0%	61,1%	0,0%
PERNOD-RICARD SA	18 914	15	53,6	33%	47%	10,0	6,0	4,7	66,7%	46,7%	66,7%	6,7%
PEUGEOT SA (Groupe PSA)	172 927	17	59,9	29%	35%	13,0	5,7	3,6	76,5%	52,9%	70,6%	5,9%
PUBLICIS GROUPE SA	77 767	17	60,0	35%	41%	11,8	9,7	6,2	88,2%	29,4%	88,2%	5,9%
RENAULT SA (REGIE NATIONALE DES USINES)	181 344	20	59,1	25%	35%	7,8	4,3	3,5	75,0%	45,0%	55,0%	10,0%
SAFRAN (Safran SA prior to 05/2006)	58 324	17	62,2	12%	47%	5,3	3,4	3,2	70,6%	41,2%	64,7%	0,0%
SANOFI SA (Sanofi-Aventis prior to 05/2011)	106 566	16	58,9	38%	44%	6,4	4,4	4,0	75,0%	37,5%	68,8%	0,0%
SCHNEIDER ELECTRIC SE (Schneider Electric SA prior to 09/2014)	117 042	13	58,5	62%	38%	7,9	5,8	4,1	69,2%	53,8%	46,2%	7,7%
SOETE GENERALE SA	147 125	14	57,6	36%	43%	7,5	5,1	4,6	71,4%	50,0%	57,1%	0,0%
SODEXO SA (Sodexo Alliance prior to 02/2008)	460 663	12	55,3	17%	58%	17,2	13,1	8,2	75,0%	33,3%	58,3%	0,0%
STMICROELECTRONICS NV (SGS-THOMSON Microelectronics NV prior to 1998)	45 468	10	56,8	60%	30%	6,4	4,7	4,2	70,0%	40,0%	50,0%	0,0%
TECHNIPFMIC PLC	37 000	14	62,9	57%	21%	2,1	2,1	2,1	85,7%	57,1%	57,1%	0,0%
TOTAL SA (Total Finat Elf prior to 05/2003)	98 277	12	61,1	42%	50%	10,3	5,0	4,3	83,3%	75,0%	58,3%	0,0%
UNIBAIL-R SE/WFD UNIBAIL-R NV (Unibail-Rodamco SE prior to 06/2018)	2 012	13	57,9	69%	38%	3,9	3,9	3,6	69,2%	38,5%	53,8%	7,7%
VEOLIA ENVIRONNEMENT SA (Vivendi VALEO SA)	111 600	13	63,3	15%	38%	7,6	6,2	3,8	84,6%	53,8%	69,2%	7,7%
VEOLIA ENVIRONNEMENT SA (Vivendi Environnement prior to 04/2003)	168 800	15	61,1	27%	40%	8,8	7,2	3,9	93,3%	73,3%	53,3%	0,0%
VINCI SA (SGE Group prior to 04/2000)	194 428	15	61,7	40%	47%	10,4	7,5	5,0	80,0%	46,7%	66,7%	0,0%
VIVENDI SA (Vivendi Universal prior to 04/2006)	41 743	19	55,1	11%	32%	7,2	3,8	3,6	63,2%	52,6%	57,9%	0,0%

Source: BoardEx and Standard and Poor's Databases

Consolidated information from FTSE 100 company databases (1/2)

Company Name	Employee Count	Number people in the board	Average age in the board	Share of foreign people	Share of women in the board	Years at Organization	Years on Board	Years in Current Role	% having other positions	% being on Current other Public Boards	% being on Current Private Boards	% being on current Other Boards
ANGLO AMERICAN PLC	69 000	11	62.5	82%	27%	10.2	6.7	4.6	90.9%	72.7%	81.8%	18.2%
ASHTEAD GROUP PLC	15 996	7	55.6	29%	29%	9.3	7.6	7.4	100.0%	85.7%	71.4%	28.6%
ASSOCIATED BRITISH FOODS PLC	137 014	8	60.9	50%	25%	8.5	7.7	6.3	50.0%	25.0%	37.5%	12.5%
ASTRAZENECA PLC (Zenecca Group PLC prior to 04/1989)	61 100	12	61.1	67%	33%	8.2	5.6	3.6	83.3%	58.3%	83.3%	16.7%
AVIVA PLC (CIGNA prior to 07/2002)	30 021	11	58.4	36%	27%	7.6	6.1	4.9	81.8%	63.6%	72.7%	18.2%
BAE SYSTEMS PLC (British Aerospace prior to 05/2000)	76 000	11	59.4	27%	36%	11.8	10.2	7.8	90.9%	63.6%	72.7%	18.2%
BARCLAYS PLC	83 500	14	61.7	29%	29%	11.4	7.6	5.6	71.4%	57.1%	28.6%	7.1%
BHP GROUP PLC (BHP Billiton PLC prior to 11/2018)	62 476	9	60.3	56%	33%	10.3	8.4	5.8	100.0%	77.8%	88.9%	0.0%
BP PLC (BP Amoco PLC prior to 05/2001)	74 000	14	64.4	57%	36%	9.4	5.3	4.9	78.6%	35.7%	71.4%	0.0%
BRITISH AMERICAN TOBACCO PLC	91 402	11	62.9	55%	27%	4.9	4.5	3.7	81.8%	27.3%	81.8%	0.0%
BT GROUP PLC	105 800	10	57.5	20%	20%	12.3	10.1	5.1	60.0%	50.0%	50.0%	10.0%
CARNIVAL PLC (P&O Princess Cruises prior to 04/2003)	84 600	12	65.6	75%	33%	4.7	3.4	3.4	66.7%	50.0%	58.3%	0.0%
COMPASS GROUP PLC (Compass Demerger Ltd prior to 11/2000)	556 841	10	56.4	50%	30%	11.1	8.4	7.0	70.0%	50.0%	60.0%	0.0%
CRH PLC	89 213	13	61.0	92%	38%	6.8	6.1	4.7	69.2%	61.9%	51.8%	15.4%
DIAGEO PLC	29 917	8	58.9	63%	38%	11.9	11.8	11.8	62.5%	62.5%	50.0%	0.0%
EXPERIAN PLC (Experian Group Ltd prior to 07/2008)	16 495	11	55.4	64%	27%	10.0	6.2	4.3	72.7%	45.9%	72.7%	9.1%
FERGUSON PLC (Woolley PLC prior to 07/2017)	34 056	11	54.9	36%	36%	12.2	4.5	2.8	72.7%	54.9%	63.6%	9.1%
GLAXOSMITHKLINE PLC	98 462	12	61.0	58%	42%	10.0	6.3	3.5	66.7%	25.0%	66.7%	8.3%
GLENCORE PLC (Glencore Xstrata PLC prior to 05/2014)	145 977	8	66.1	75%	25%	7.4	4.0	2.3	100.0%	62.5%	75.0%	25.0%
HBSBC HOLDINGS PLC	238 217	14	60.4	50%	36%	7.1	3.8	3.7	57.1%	28.6%	42.9%	0.0%
IMPERIAL BRANDS PLC (Imperial Tobacco Group PLC prior to 02/2016)	33 300	10	57.5	10%	40%	10.5	9.1	8.2	90.0%	60.0%	70.0%	0.0%
INTERNATIONAL COONSOLIDATED AIRLINES GROUP SA (IAG)	63 994	12	61.0	83%	33%	2.7	2.7	2.7	83.3%	58.3%	50.0%	0.0%
LEGAL & GENERAL GROUP PLC	7 570	11	54.4	18%	27%	11.7	7.7	4.3	81.8%	45.9%	54.9%	0.0%
LLOYDS BANKING GROUP PLC (Lloyds TSB Group PLC prior to 07/2009)	64 928	12	59.8	17%	25%	6.5	4.7	4.1	83.3%	66.7%	75.0%	0.0%
LONDON STOCK EXCHANGE GROUP PLC (London Stock Exchange PLC prior to 05/2006)	4 741	13	57.3	62%	23%	7.4	3.7	4.1	58.8%	46.2%	46.2%	0.0%
NATIONAL GRID PLC (National Grid Transco prior to 07/2005)	23 023	12	59.8	42%	33%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
PRUDENTIAL PLC (Prudential Corporation PLC prior to 01/2009)	27 151	16	60.9	38%	13%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
RECKITT BENCKISER GROUP PLC (Reckitt Benckiser PLC prior to 07/2015)	40 400	10	59.7	40%	30%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
RELX PLC (RELX PLC prior to 07/2015)	31 000	11	61.6	64%	36%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
RIO TINTO PLC (Rio Tinto Corporation PLC prior to 06/1998)	46 807	11	59.2	64%	27%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
ROLLS-ROYCE HOLDINGS PLC (Rolls-Royce Group PLC prior to 05/2011)	93 900	13	60.2	31%	31%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
ROYAL DUTCH SHELL PLC	84 000	11	63.1	91%	45%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
SMITH & NEPHEW PLC	15 933	12	60.8	50%	25%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
SSE PLC (Scottish and Southern Energy PLC prior to 10/2011)	20 785	10	55.9	0%	30%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
STANDARD CHARTERED PLC	85 402	12	60.9	50%	33%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
TESCO PLC	327 916	13	58.8	31%	31%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
ROYAL BANK OF SCOTLAND GROUP PLC	67 060	13	61.0	31%	31%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
UNILEVER PLC	140 366	12	58.8	83%	42%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
VODAFONE GROUP PLC (Vodafone Airtouch PLC prior to 07/2000)	106 135	12	61.3	58%	42%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
WFP PLC (WFP prior to 11/2008)	134 413	11	60.1	82%	37%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
WIGAN GROUP PLC	241	9	58.4	33%	33%	11.2	4.8	3.5	55.6%	44.4%	44.4%	11.1%
ADMIRAL GROUP PLC	9 336	10	54.4	10%	40%	5.2	4.0	4.0	90.0%	80.0%	70.0%	10.0%
ANTIPAGASTA PLC	5 410	11	64.8	100%	38%	6.0	6.0	5.4	100.0%	81.8%	81.8%	0.0%
AUTO TRADER GROUP PLC	822	6	52.2	17%	33%	5.0	3.9	3.9	100.0%	50.0%	100.0%	0.0%
BARRATT DEVELOPMENTS PLC	6 330	8	55.9	0%	38%	8.3	6.6	4.9	87.5%	87.5%	75.0%	0.0%
BRITISH LAND CO PLC	85	13	56.2	0%	23%	11.7	7.1	4.5	69.2%	38.5%	46.2%	0.0%
BUNZL PLC	17 995	7	58.9	43%	29%	9.6	7.9	6.6	85.7%	71.4%	57.1%	0.0%
BURBERRY GROUP PLC	9 752	11	59.3	45%	45%	9.0	5.0	4.9	54.5%	45.5%	54.5%	0.0%
CENTRICA PLC	34 901	11	55.9	36%	27%	3.4	1.3	1.3	81.8%	45.9%	72.7%	0.0%
COCA-COLA HBC AG	29 427	13	55.1	69%	23%	10.9	7.1	6.8	76.9%	30.8%	61.5%	0.0%
GRODA INTERNAZIONALE PLC	4 309	9	56.8	11%	33%	10.6	7.4	5.3	100.0%	77.8%	66.7%	0.0%
DCC PLC	10 430	10	59.9	60%	20%	14.9	12.9	10.9	50.0%	30.0%	50.0%	0.0%

Source: BoardEx and Standard and Poor's Databases

Consolidated information from FTSE 100 company databases (2/2)

Company Name	Employee Count	Number people in the board	Average age in the board	Share of foreign people	Share of women in the board	Years at Organization	Years on Board	Years in Current Role	% having other positions	% being on current Public Boards	% being on Current Private Boards	% being on current Other Boards
DIRECT LINE INSURANCE GROUP PLC	10 808	12	55.5	0%	42%	8.8	7.3	6.1	66.7%	50.0%	41.7%	8.3%
DS SMITH PLC	27 097	7	58.4	0%	29%	9.4	5.9	2.1	57.1%	57.1%	42.9%	0.0%
EASYJET PLC	14 000	10	56.2	50%	30%	7.1	3.8	3.3	14.0%	40.0%	60.0%	0.0%
EVRAZ PLC	70 186	9	57.6	67%	22%	6.9	4.7	4.7	77.8%	66.7%	77.8%	0.0%
FRESNILLO PLC	4 888	11	68.5	91%	27%	16.8	12.1	8.3	90.9%	36.4%	90.9%	0.0%
GVC HOLDINGS PLC	2 657	9	33%	33%	22%	7.7	5.3	5.1	66.7%	44.4%	44.4%	0.0%
HALMA PLC	6 341	10	52.6	30%	40%	4.0	3.5	3.5	60.0%	30.0%	60.0%	0.0%
HARGREAVES LANSDOWN PLC	1 499	8	58.4	13%	50%	6.5	3.2	2.7	87.5%	50.0%	87.5%	0.0%
HIKMA PHARMACEUTICALS PLC	8 521	10	60.5	80%	20%	4.4	4.4	4.3	70.0%	40.0%	60.0%	0.0%
HISCOX LTD	2 700	12	6.3	50%	25%	9.1	6.3	4.0	83.3%	58.3%	66.7%	8.3%
INFORMA PLC (T&F Informa prior to 08/2005)	7 539	12	58.6	25%	25%	15.6	10.1	5.3	75.0%	41.7%	58.3%	0.0%
INTERCONTINENTAL HOTELS GROUP PLC	6 658	11	58.0	64%	36%	4.1	4.1	3.8	72.7%	45.5%	54.5%	0.0%
INTERTEK GROUP PLC (Intertek Testing Services prior to 05/2008)	43 906	10	58.7	20%	30%	11.2	4.8	4.0	80.0%	70.0%	60.0%	0.0%
ITV PLC	6 055	10	57.4	20%	40%	3.5	3.5	3.3	60.0%	40.0%	40.0%	10.0%
SAINSBURY(J) PLC	186 900	11	59.5	36%	27%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
WOOD GROUP (JOHN) PLC	29 031	10	57.6	30%	40%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
JOHNSON MATTHEY PLC	14 130	9	59.0	33%	33%	8.0	6.0	3.3	88.9%	44.4%	77.8%	11.1%
KINGFISHER PLC	78 000	11	55.7	45%	55%	5.8	5.7	4.4	90.9%	72.7%	63.6%	0.0%
LAND SECURITIES GROUP PLC	570	10	55.7	10%	40%	10.9	8.5	4.0	90.0%	60.0%	60.0%	0.0%
MARKS & SPENCER GROUP PLC	84 621	9	55.4	11%	33%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
MELROSE INDUSTRIES PLC (New Melrose Industries PLC prior to 11/2016)	11 351	9	60.4	0%	22%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
MICRO FOCUS INTERNATIONAL PLC	13 879	9	55.7	33%	44%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
MONDI PLC	26 300	8	62.0	63%	25%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
NEXT PLC	28 318	9	55.0	11%	44%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
NMC HEALTH PLC	13 672	10	57.5	60%	20%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
OCADO GROUP PLC	13 452	12	55.3	8%	25%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
PADDY POWER BETFAIR PLC (Paddy Power PLC prior to 02/2016)	7 640	8	55.9	50%	25%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
PEARSON PLC	30 339	10	58.9	40%	30%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
PERSKIMMON PLC	4 535	7	56.0	0%	29%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
RENTOKIL INITIAL PLC	36 096	9	58.9	11%	33%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
RIGHTMOVE PLC (Rightmove Group prior to 01/2008)	479	8	53.4	38%	50%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
RSA INSURANCE GROUP PLC (Royal & Sun Alliance Insurance Group PLC prior to 05/2008)	13 363	9	60.8	33%	33%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
SCHRODERS PLC	4 619	10	56.8	10%	30%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
SCOTTISH MORTGAGE INVESTMENT TRUST PLC (Scottish Mortgage & Trust prior to 08/2003)	0	5	60.4	20%	40%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
SEGRO PLC (Slough Estates prior to 05/2007)	293	10	57.5	0%	20%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
SEVERN TRENT PLC	6 633	8	57.6	13%	38%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
SMITHS GROUP PLC (Smiths Industries PLC prior to 11/2000)	21 700	10	62.5	50%	20%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
SMURFIT KAPPA GROUP PLC (Smurfit Kappa PLC prior to 04/2007)	46 350	13	62.9	92%	23%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
SPIRAX-SARCO ENGINEERING PLC	6 316	9	58.3	22%	22%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
ST JAMES'S PLACE PLC (St James's Place Capital prior to 05/2008)	2 014	8	57.3	0%	13%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
STANDARD LIFE ABERDEEN PLC (Standard Life PLC prior to 08/2017)	7 768	12	60.4	17%	25%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
TAYLOR WIMPEY PLC (Taylor Woodrow prior to 07/2007)	4 995	9	54.6	0%	44%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
BERKELEY GROUP HOLDINGS PLC	2 689	16	56.8	0%	25%	3.8	3.2	3.1	75.0%	37.5%	56.3%	0.0%
SAGE GROUP PLC	13 660	8	60.3	38%	25%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
TUI AG (Preussag prior to 06/2002)	69 546	26	56.2	85%	31%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
UNITED UTILITIES GROUP PLC	5 223	10	56.6	0%	30%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
WHITBREAD PLC	52 705	10	55.4	20%	40%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%
WM MORRISON SUPERMARKETS PLC	105 487	9	58.8	11%	22%	N/A	N/A	N/A	100.0%	100.0%	0.0%	0.0%

Source: BoardEx and Standard and Poor's Databases

Extract from the BoardEx database for two French CAC40 companies

Company Name	Individual Name	Individual ID	Age	Gender	Nationality	Role Name	Board Level	Role Start Date	Sector	Years at Organization	Years on Board	Years in Current Role	Number of positions	Current			Historic		
														Public Boards	Other Boards	Current Boards	Public Boards	Private Boards	Other Boards
BOUYGUES SA	Charlotte Bougues	202980	27	Female	French	Permanent Representative	Supervisory Director	11 Jun 2018	Construction & Building Materials	07	07	07	2	1	1	1	1	1	1
	Martin Bougues	12684	66	Male	French	Chairman/CEO	Executive Director	05 Sep 1989	Construction & Building Materials	45,1	37,1	29,4	6	2	4	5	9		
	Olivier Bougues	13345	68	Male	French	Deputy CEO	Executive Director	25 Apr 2002	Construction & Building Materials	45,1	35,1	16,8	16	4	11	1	6	20	1
	William Bougues	2029761	31	Male	French	Permanent Representative	Supervisory Director	11 Jun 2018	Construction & Building Materials	07	07	07	4	1	3	1	3		
	Francis Castagné	1715316	55	Male	French	Employee Representative	Supervisory Director	27 Apr 2016	Construction & Building Materials	2,8	2,8	2,8	2	1	1	1	1	1	
	Alexandre de Rothschild	1148215	38	Male	French	External Director	Supervisory Director	27 Apr 2017	Construction & Building Materials	1,8	1,8	1,8	4	2	2	3	2		
	Cora Gayraud	326918	59	Female	French	Independent Director	Supervisory Director	21 Apr 2016	Construction & Building Materials	2,8	2,8	2,8	4	4		5	2		
	The Hon. Mrs Anne-Marie Lofrac	205547	67	Female	French	Independent Director	Supervisory Director	26 Apr 2012	Construction & Building Materials	6,8	6,8	6,8	4	4		7	6		
	Patrick Kron	6999	65	Male	French	External Director	Supervisory Director	06 Dec 2006	Construction & Building Materials	12,2	12,2	12,2	8	4	4	9	21		
	Doctor Helman Le Pas de Sécherazal	51506	53	Male	French	Independent Director	Supervisory Director	24 Apr 2008	Construction & Building Materials	10,8	10,8	10,8	2	1	1	6	14	1	
	Doctor Colette Lewiner	331973	73	Female	French	Independent Director	Supervisory Director	29 Apr 2010	Construction & Building Materials	8,8	8,8	8,8	6	6		12	3		
	Sandra Nombret	1078971	45	Female	French	Shareholder Employees Representative	Supervisory Director	29 Apr 2010	Construction & Building Materials	8,8	8,8	8,8	1	1		1	1	1	
	Rose-Marie van Lierberghe	329190	72	Female	French	Independent Director	Supervisory Director	25 Apr 2013	Construction & Building Materials	5,8	5,8	5,8	3	3		6	5		
	Michèle Vlain	1078970	57	Female	French	Shareholder Employees Representative	Supervisory Director	29 Apr 2010	Construction & Building Materials	8,8	8,8	8,8	1	1		1	1		
	Frédéric Afnat	1898895	48	Male	French	Employee Representative	Supervisory Director	08 Nov 2016	Clothing & Personal Products	2,3	2,3	2,3	1	1		1	1		
	Dorothee Altmaier	1899813	57	Female	French	Board Member - SD	Supervisory Director	06 Jun 2017	Clothing & Personal Products	1,7	1,7	1,7	5	1	4	1	4		
	Charles-Eric Bauer	513306	55	Male	French	Board Member - SD	Supervisory Director	03 Jun 2008	Clothing & Personal Products	29,1	10,7	10,7	2	1	1	1	2		
	Henri-Louis Bauer	1309259	54	Male	French	Co-Chairman (Executive)	Executive Director	01 Jul 2012	Clothing & Personal Products	6,6	6,6	6,6	3	1	2	1	2		
	Monique Cohen	332660	63	Female	French	Independent Vice Chairwoman	Supervisory Director	03 Jun 2014	Clothing & Personal Products	4,7	4,7	4,7	16	3	13	6	17	2	
	Eric De Seynes	513290	58	Male	French	Chairman	Supervisory Director	03 Mar 2011	Clothing & Personal Products	11,7	11,7	7,9	4	1	3	1	11		
Avel M Dumas	1205322	50	Male	French	Co-Chairman (Executive)	Executive Director	05 Jun 2013	Clothing & Personal Products	26,1	5,7	5,7	2	2		2	2			
Matthieu Dumas	647102	46	Male	French	Board Member - SD	Supervisory Director	03 Jun 2008	Clothing & Personal Products	10,7	10,7	10,7	1	1		1	1	1		
Julie Guérard	513284	43	Female	French	Board Member - SD	Supervisory Director	02 Jun 2005	Clothing & Personal Products	13,7	13,7	13,7	14	2	12	2	13			
Olympia Guérard	1898816	41	Female	Portuguese	Board Member - SD	Supervisory Director	06 Jun 2017	Clothing & Personal Products	12,1	1,7	1,7	2	1	1	1	1	1		
Blaise Guérard-Hermès	1205539	35	Male	French	Board Member - SD	Supervisory Director	29 May 2012	Clothing & Personal Products	6,8	6,8	6,8	1	1		1	1	1		
Sharon MacBeath	1337839	50	Female	British	Independent Board Member	Supervisory Director	31 May 2016	Clothing & Personal Products	2,8	2,8	2,8	3	3		3	3			
Renauld Momméja	513288	56	Male	French	Board Member - SD	Supervisory Director	02 Jun 2005	Clothing & Personal Products	13,7	13,7	13,7	7	1	6	1	12			
Robert Peugeot	29828	68	Male	French	Independent Board Member	Supervisory Director	24 Jan 2007	Clothing & Personal Products	12,1	12,1	12,1	11	7	4	4	13	26		
Dominique Marie Sérégnier	330204	65	Female	French	Independent Vice Chairwoman	Supervisory Director	04 Jun 2013	Clothing & Personal Products	5,7	5,7	5,7	10	1	9	6	40			

Source: BoardEx and Standard and Poor's Databases

Extract from the BoardEx database for two British FTSE 40/100 companies

Company Name	Individual Name	Individual ID	Age	Gender	Nationality	Role Name	Board Level	Role Start Date	Sector	Years at Organization	Years on Board	Years in Current Role	Number of positions	Current Public Boards	Current Private Boards	Current and Historic Public Boards	Current and Historic Private Boards	Current and Historic Other Boards
BARCLAYS	Michael (Mike) St John Ashley	1126078	64	Male	British	Independent NED	Supervisory Director	18 Sep 2013	Banks	10,8	10,8	10,8	2	1	1	6	14	1
	Timothy (Tim) James Breckon	25338	61	Male	British	Independent NED	Supervisory Director	01 Nov 2012	Banks	8,8	8,8	8,8	6	6		12	3	
	Sir Ian Michael Cheshire	3887	59	Male	British	Independent NED	Supervisory Director	03 Apr 2017	Banks	8,8	8,8	8,8	1	1		1	1	
	Mary Anne Ciringo	344460	59	Female	American	Independent NED	Supervisory Director	25 Jul 2018	Banks	5,8	5,8	5,8	3	3		6	5	
	Mary Elizabeth Francis	310008	70	Female	British	Independent NED	Supervisory Director	01 Oct 2016	Banks	8,8	8,8	8,8	1	1		1		
	Crawford Scott Gillies	510325	62	Male	British	Senior Independent NED	Supervisory Director	01 Apr 2018	Banks	13,8	13,8	13,8	1,8	2	2	10	14	
	Reuben Jeffery III	896959	65	Male	American	Independent NED	Supervisory Director	16 Jul 2009	Banks	5,3	5,3	5,3	3	3		3	6	
	Matthew John Lester	490595	55	Male	British	Independent NED	Supervisory Director	01 Sep 2017	Banks	0,1	0,1	0,1	0,1	5	2	3	3	9
	John T. McFarlane	25324	71	Male	British	Group Chairman (Non-Executive)	Supervisory Director	30 Nov 2015	Banks	8,8	8,8	8,8	8,8	3	2	1	2	2
	Tuskar Morzaria	1321339	50	Male	British	GFD	Executive Director	15 Oct 2013	Banks	13,4	2,4	2,4	2,4	1	1		1	
	Doctor Dembisa Felicia Mayo	885046	50	Female	British	Independent NED	Supervisory Director	01 May 2010	Banks	2,8	2,8	2,8	7	3	4	3	4	
	Diane Lynn Schuerman	514579	66	Female	American	Independent NED	Supervisory Director	25 Jun 2015	Banks	25,7	22,7	6,7	16	1	15	2	25	
	James (Jes) Edward Staley	534939	62	Male	American	Group CEO	Executive Director	01 Dec 2015	Banks	41,6	2,4	2,4	1	1		1		
	Michael (Mike) John Turner	14318	70	Male	British	Independent NED	Supervisory Director	01 Jan 2018	Banks	4,7	4,7	4,7	2	2		5	3	
	Kathleen Louise Casey	1199354	52	Female	American	Independent NED	Supervisory Director	01 Mar 2014	Banks	4,8	4,8	4,8	1	1		1		
The Hon. Shih (Laura) May-Lung Chia	515420	69	Female	Chinese	Independent NED	Supervisory Director	01 Mar 2011	Banks	1,9	1,9	1,9	1	1		1			
Henri de la Croix de Castries	14974	64	Male	French	Independent NED	Supervisory Director	01 Mar 2016	Banks	9,4	1,4	1,4	1	1		1	2		
Lord (Jonathan Douglas) Evans of Weardale	1312851	61	Male	British	Independent NED	Supervisory Director	06 Aug 2013	Banks	0,9	0,9	0,9	2	1	1	1	4		
John Michael Flint	1282510	50	Male	British	Group Chief Executive	Executive Director	21 Feb 2018	Banks	0,8	0,8	0,8	4	2	2	3	4		
Yun-Lien (Irene) Lee	442216	65	Female	Australian	Independent NED	Supervisory Director	01 Jul 2015	Banks	4,3	3,8	3,8	3	3		4			
Doctor Heidi Goldberg Miller	31901	65	Female	American	Independent NED	Supervisory Director	01 Sep 2014	Banks	30,1	12,8	12,8	5	1	4	1	12		
Marc Merssen Moses	1093554	61	Male	British	Group Chief Risk Officer	Executive Director	01 Jan 2014	Banks	4,8	4,8	4,8	4	2	2	4	9		
David Thomas Nish	12006	58	Male	British	Independent NED	Supervisory Director	01 May 2016	Banks	1,8	1,8	1,8	2	2		2	2		
Ewer James Stevenson	1308047	52	Male	British	Group CFO	Executive Director	01 Jan 2019	Banks	0,8	0,8	0,8	3	1	2	10	14		
Jonathan (Jon) Richard Symonds	99817	60	Male	British	Group Chairman (Senior Independent)	Supervisory Director	06 Aug 2018	Banks	0,8	0,8	0,8	2	1	1	1	1		
Jackson (Jack) Peter Tai	342499	69	Male	American	Independent NED	Supervisory Director	12 Sep 2016	Banks	7,8	7,8	7,8	1	1		1	1	1	
Mark Edward Tucker	11780	61	Male	British	Group Chairman (Non-Executive)	Supervisory Director	01 Oct 2017	Banks	30,1	10,1	10,1	1	1		1	1		
Pauline F. van der Meer-Moïr	555290	59	Female	Dutch	Independent NED	Supervisory Director	01 Sep 2015	Banks	0,8	0,8	0,8	1	1		1			

Source: BoardEx and Standard and Poor's Databases

The construction of consolidated nomenclature for the analysis of CAC 40 and FTSE 40/100 companies by industry

Industry (BoardEx database)	Consolidated nomenclature
Aerospace & Defence	Professional, scientific and technical activities ; Administrative and support services
Automobile & Parts	Distribution, transport ; accomodation and food
Banks	Financial and insurance activities
Beverages	Distribution, transport ; accomodation and food
Business Services	Professional, scientific and technical activities ; Administrative and support services
Chemicals	Production
Clothing & Personal Products	Distribution, transport ; accomodation and food
Construction & Building Materials	Construction
Containers & Packaging	Distribution, transport ; accomodation and food
Electricity	Production
Electronic & Electrical Equipment	Production
Engineering & Machinery	Professional, scientific and technical activities ; Administrative and support services
Food & Drug Retailers	Distribution, transport ; accomodation and food
Food Producers & Processors	Distribution, transport ; accomodation and food
Forestry & Paper	Production
General Retailers	Distribution, transport ; accomodation and food
Health	Public Administration, Education and Health
Household Products	Distribution, transport ; accomodation and food
Information Technology Hardware	Professional, scientific and technical activities ; Administrative and support services
Insurance	Financial and insurance activities
Investment Companies	Financial and insurance activities
Leisure & Hotels	Distribution, transport ; accomodation and food
Life Assurance	Financial and insurance activities
Media & Entertainment	Information and Communication
Mining	Production
Oil & Gas	Production
Pharmaceuticals and Biotechnology	Professional, scientific and technical activities ; Administrative and support services
Private Equity	Financial and insurance activities
Real Estate	Real estate activities
Software & Computer Services	Professional, scientific and technical activities ; Administrative and support services
Speciality & Other Finance	Financial and insurance activities
Steel & Other Metals	Production
Telecommunication Services	Information and Communication
Tobacco	Distribution, transport ; accomodation and food
Utilities - Other	Production

The matching table for analyzing the compared location of headquarters of CAC 40 companies

City	Location
Issy-Les-Moulineaux	Paris and petite couronne / Equivalent Core
Paris	Paris and petite couronne / Equivalent Core
Leiden	Outside Metropolitan France
Grand Duchy of Luxembourg	Outside Metropolitan France
Bezons	Région Ile-de-France / Equivalent Paris FUR
Boulogne-Billancourt	Paris and petite couronne / Equivalent Core
Courbevoie	Paris and petite couronne / Equivalent Core
Montrouge	Paris and petite couronne / Equivalent Core
Velizy-Villacoublay	Région Ile-de-France / Equivalent Paris FUR
Charenton-le-Pont	Paris and petite couronne / Equivalent Core
Limoges	Rest of Metropolitan France
Clichy	Paris and petite couronne / Equivalent Core
Clermont-Ferrand	Rest of Metropolitan France
Rueil-Malmaison	Paris and petite couronne / Equivalent Core
Geneva	Outside Metropolitan France
London	Outside Metropolitan France

The matching table for analyzing the compared location of headquarters of FTSE 40/100 companies

City	Location	City	Location
Aberdeen	Rest of United Kingdom	Foxrock (County Dublin)	Outside the United Kingdom
Addlestone (Surrey)	Rest of Equivalent London FUR	Goole (East Riding of Yorkshire)	Rest of United Kingdom
Amersham (Buckinghamshire)	Rest of Greater South East	Hamilton, HM	Outside the United Kingdom
Baar (Zurich)	Outside the United Kingdom	Hannover	Outside the United Kingdom
Blackwater, Camberley (Surrey)	Rest of Equivalent London FUR	Hatfield (Hertfordshire)	Rest of Equivalent London FUR
Bradford (West Yorkshire)	Rest of United Kingdom	High Wycombe (Buckinghamshire)	Rest of Equivalent London FUR
Brentford (Middlesex)	Rest of Equivalent London FUR	London	Greater London / Equivalent core
Bristol	Rest of United Kingdom	Luton (Bedfordshire)	Rest of Equivalent London FUR
Bromley (Kent)	Rest of Equivalent London FUR	Madrid	Outside the United Kingdom
Caldecotte, Milton Keynes (Buckinghamshire)	Rest of Greater South East	Malahide Road (County Dublin)	Outside the United Kingdom
Cambridge (Cambridgeshire)	Rest of Greater South East	Manchester	Rest of United Kingdom
Cardiff	Rest of United Kingdom	Mexico	Outside the United Kingdom
Cheltenham (Gloucestershire)	Rest of Greater South East	Newbury (Berkshire)	Rest of Equivalent London FUR
Chertsey (Surrey)	Rest of Equivalent London FUR	Newcastle Upon Tyne (Tyne and Wear)	Rest of United Kingdom
Cirencester (Gloucestershire)	Rest of Greater South East	Perth and Kinross	Rest of United Kingdom
Clonskeagh (County Dublin)	Outside the United Kingdom	Porz Avenue, Dunstable (Bedfordshire)	Rest of Equivalent London FUR
Coalville (Leicestershire)	Rest of United Kingdom	Slough (Berkshire)	Rest of Equivalent London FUR
Cobham (Surrey)	Rest of Equivalent London FUR	Southampton (Hampshire)	Rest of Greater South East
Coventry (West Midlands)	Rest of United Kingdom	The Hague (Zuid-Holland)	Outside the United Kingdom
Denham (Buckinghamshire)	Rest of Equivalent London FUR	Warrington (Cheshire)	Rest of United Kingdom
Douglas	Outside the United Kingdom	Welwyn Garden City (Hertfordshire)	Rest of Equivalent London FUR
Dublin 16 (County Dublin)	Outside the United Kingdom	Windsor (Berkshire)	Rest of Equivalent London FUR
Edinburgh	Rest of United Kingdom	York (North Yorkshire)	Rest of United Kingdom
Enderby (Leicestershire)	Rest of United Kingdom	Zug	Outside the United Kingdom

The share of women and foreign people in CAC 40 and FTSE 40/100 boards by industry

Consolidated nomenclature	Share of women in boards			Share of foreign people in boards		
	CAC 40	FTSE 40	FTSE 100	CAC 40	FTSE 40	FTSE 100
Construction	49%	36%	36%	24%	73%	27%
Distribution, transport ; accomodation and food	46%	33%	31%	27%	56%	51%
Financial and insurance activities	47%	26%	28%	29%	39%	30%
Information and Communication	36%	36%	33%	16%	61%	44%
Production	38%	30%	28%	51%	61%	55%
Professional, scientific and technical activities ; Administrative and support services	40%	35%	30%	40%	52%	43%
Public Administration, Education and Health	44%	27%	24%	63%	45%	52%
Real estate activities	33%	N/A	29%	75%	/	3%
Total	42%	31%	30%	35%	53%	42%

The nationality of Board Members of CAC 40

Nationality	Region	Count	Share
French	Europe	335	65%
American	North America	26	5%
British	Europe	25	5%
German	Europe	20	4%
Italian	Europe	20	4%
Canadian	North America	10	2%
Belgian	Europe	10	2%
Dutch	Europe	7	1%
Spanish	Europe	7	1%
Brazilian	South America	6	1%
Chinese	Asia	5	1%
Swiss	Europe	5	1%
Indian	Asia	4	1%
Portuguese	Europe	4	1%
Australian	Oceania	3	1%
Singaporean	Asia	3	1%
Luxembourger	Europe	3	1%
Qatari	Middle East	3	1%
Japanese	Asia	3	1%
Senegalese	Africa	2	0%
Swedish	Europe	1	0%
Austrian	Europe	1	0%
Norwegian	Europe	1	0%
Turkish	Middle East	1	0%
Indonesian	Oceania	1	0%
Moroccan	Africa	1	0%
South Korean	Asia	1	0%
Polish	Europe	1	0%
Iranian	Middle East	1	0%
Czech	Europe	1	0%
Algerian	Africa	1	0%
TOTAL		512	100%

Source : BoardEx and Standard and Poor's Databases

The nationality of Board Members of FTSE 40

Nationality	Region	Count	Share
British	Europe	188	47%
American	North America	87	22%
Australian	Oceania	19	5%
Irish	Europe	11	3%
Canadian	North America	10	3%
Dutch	Europe	10	3%
Spanish	Europe	9	2%
German	Europe	8	2%
French	Europe	7	2%
South African	Africa	6	2%
Italian	Europe	6	2%
Chinese	Asia	5	1%
Indian	Asia	4	1%
Swedish	Europe	4	1%
Singaporean	Asia	4	1%
Swiss	Europe	3	1%
Brazilian	South America	3	1%
Danish	Europe	2	1%
New Zealander	Oceania	2	1%
Norwegian	Europe	2	1%
Russian	Asia	1	0%
Austrian	Europe	1	0%
Portuguese	Europe	1	0%
Nigerian	Africa	1	0%
Taiwanese	Asia	1	0%
Zimbabwean	Africa	1	0%
Belgian	Europe	1	0%
Ghanaian	Africa	1	0%
Egyptian	Africa	1	0%
TOTAL		399	100%

Source : BoardEx and Standard and Poor's Databases

The nationality of Board Members of FTSE 100

Nationality	Region	Count	Share
British	Europe	541	58%
American	North America	135	14%
German	Europe	31	3%
Irish	Europe	29	3%
Australian	Oceania	23	2%
French	Europe	19	2%
Canadian	North America	16	2%
Dutch	Europe	16	2%
South African	Africa	12	1%
Mexican	South America	11	1%
Italian	Europe	10	1%
Spanish	Europe	10	1%
Chilean	South America	8	1%
Indian	Asia	8	1%
Chinese	Asia	7	1%
Swedish	Europe	7	1%
Swiss	Europe	7	1%
Danish	Europe	5	1%
Russian	Asia	5	1%
Austrian	Europe	5	1%
Singaporean	Asia	4	0%
New Zealander	Oceania	4	0%
Brazilian	South America	3	0%
Jordanian	Middle East	3	0%
Emirian	Middle East	3	0%
Portuguese	Europe	2	0%
Norwegian	Europe	2	0%
Nigerian	Africa	2	0%
Croatian	Europe	1	0%
Turkish	Middle East	1	0%
Greek	Europe	1	0%
Luxembourger	Europe	1	0%
Icelandic	Europe	1	0%
Kenyan	Africa	1	0%
Colombian	South America	1	0%
Taiwanese	Asia	1	0%
Zimbabwean	Africa	1	0%
Belgian	Europe	1	0%
Ghanaian	Africa	1	0%
Egyptian	Africa	1	0%
TOTAL		940	100%

Source : BoardEx and Standard and Poor's Databases

**Comparative table on the Chambre de Commerce et d'Industrie of Paris (CCIP), Ile-de-France (CRCI)
and on the London Chamber of Commerce and Industry (LCCI) (1/2)**

	CCIP (until 2010)	LCCI	CRCI (2010 onwards)
Jurisdictional status	French administrative public body (Ministry of the Economy and Finance). CCIP : from the 2013 reform onwards, local Chambers merged and became a regional public body	Private limited company (employers + firms managers)	Regional Public body (Statut de personne publique associée pour les affaires régionales). Englobes CCIP, CCI Essonne, CCIV. Created in 2012 (décret)
Area covered	Paris and petite couronne	Greater London	Region Ile-de-France
Prerogatives	Claimed political influence (through Parliament relation body). Advice (urban planning projects such as La Défense, Fairs). Manages Educational bodies (Business Schools such as HEC, ESSEC, ESCP Europe)	Local representation of businesses	"No political or coercive powers", "no financial autonomy, depends on remuneration voted every year" (Pierre-Antoine Gailly)
Date of birth	1966	1881, London Chamber. (from 1971 onwards : London Chamber of Commerce and Industry)	2009, huge CCI reform leading to the creation of a Paris IDF Region CCI in 2013 (gathering 6 Department CCI (Paris, Versailles-Yvelines, Hauts-de-Seine, SSD, VdM, VO) et 2 local CCI (Essonne and Seine-et-Marne)
Number of members	ND (see CRCI)	4,000 (2014) ; 80% SMEs. 31 members = "patron members"= most involved (Bank & Finance sector (RBS, HSBC, Lloyd), BTP, consulting ; 4 000 members	Represents 800 000 firms = all the firms located in the CRCI territory
Employees	ND (see CRCI)	85 employees, 4 services : (1) membership-marketing-events, (2) policy and campaigning (=5 employees) (3) operations, (4) financial control	3663 (2014)
Budget	ND	5,9 M€ pounds (2010) = 1,2M€ membership fees + 4,6 M€ firm services + annuities	2014 : 4.12 b€ (74% = TFC)
Funding	Dedicated taxes on businesses	Trade documents, sale of information	Dedicated taxes on businesses

**Comparative table on the Chambre de Commerce et d'Industrie of Paris (CCIP), Ile-de-France (CRCI)
and on the London Chamber of Commerce and Industry (LCCI) (2/2)**

	CCIP (until 2010)	LCCI	CRCI (2010 onwards)
Membership	Compulsory	Voluntary (4 000)	Compulsory (800 000)
Fees	No fees directly paid by members : every firm has to register (Registre de Commerce et des Sociétés) and thus is affiliated to a CCI. CCIs receive a tax paid by firms (TFC, Taxe pour les Frais de Chambre, depending on firms' revenues = 30% of CCI budget).	Between £460 and £4000 or more (depending on the number of employees)	TFC (Taxe pour frais de chambre consulaire) is dedicated to CCI (and Chambre des Métiers et de l'Artisanat (CMA), Chambre de l'Agriculture (pour les exploitants agricoles)). TFC = A special direct local tax ; its amount depends on the revenue of the firm Charged services to firms cannot be set by a CCI without status amendments that requires a legislative change
Governance	NA (see CRCI)	Executive entity meets 4 times a year. Prerogatives: voting budget, set LCCI strategy. = Board's members + 14 vice-présidents and former LCCI executives + ex officio members (Lloyds, Lord Mayor of London, Head of London Stock Exchange, City and Westminster MPs, 17 elected members + local branch executives + head of the LCCI committees). AG = all LCCI members. Prerogatives : accounts validation + annual report presentation + president and vice-presidents elections	General Assembly = CRCI deliberative organ. Composition (60 members) : CCI Essonne (8 members), CCI Paris (27 members), CCI Seine-et-Marne (8 members), CCI Versailles Val d'Oise Yvelines (17 members). => controlled by CCIP that chairs the Regional Chamber every 2 years and has 27 seats out of 60.
Organization	NA (see CRCI)	7 teams : (1) Member Relationship Team, (2) Events team, (3) Export Documentation team, (4) International Business team, (5) Marketing team, (6) Policy, public affairs, media and research team, (7) support services team ; 6 committees (Defence & security, International Trade, Work and Education Policy Advisory, Property and Construction Sector Advisory Committee, Transport Policy advisory Committee, Asian Business Association	3 teams (apart from the "Pole Supports") : 1. Education and Working skills (10 Education bodies) ; 2. Economic development ; 3. Territory development (6 members : CCID 75, CCID 94, CCID 78, CCID 95, CCID 92, CCID 93)
Role	3 traditional activities : (1) Equipment management (business and economic infrastructures - airports, harbors, fairs...) ; (2) Consulting ; (3) Education and skills (Grandes Ecoles). From 60s onwards : business development services (legal and HR advice)	But : (1) International trade development and representation of London Business interests (2) Support members Services : (1) administration and legal support ; (2) import/export support (3) Logistics support (4) Networking ; (5) Opinion polling members Philosophy : "heavier emphasis on the business-to-business networking and on promoting trade missions (selling staff from London to the rest of the world) than they do on public policy" (Dickie)	Support firms through business development, work skills and education, represent employees and employers' interests. Activities : public-interest public-led missions; business support and advice (especially concerning import and export) ; management of education bodies (Grandes Ecoles) ; Equipment and infrastructures management (especially airports and ports) ; research studies concerning industry, business, Education, urban planning
Actions	NA (see CRCI)	- Airport: extended North West Runway scheme (2009-2010) - election campaign (2009-2010) : setting of "LCCI Mayoral electoral pledge" forum - Greenbelt (https://www.londonchamber.co.uk/policy-and-campaigning/campaigns/)	3 core activities (cf COP) : (1) business support (services and advice) (2) territory development promotion and support (3) education bodies management
Engagements / Mobilizing Campaigns	Not visible	London Quarterly Economic Survey, policy briefings on topical issues (skills, immigration, housing, transport, infrastructures, export), London Business Matters	Not visible
Types of publications (if applicable)	NA (see CRCI)		50 studies/reports published every year ; annual market research and opinion polls ; fairs promotion booklets

The Board Member of the Chambre Régionale de Commerce et d'Industrie d'Ile-de-France and the London Chamber of Commerce and Industry

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
Kling	Didier	CCI Paris Ile-de-France	Président	CCIP Ile-de-France	Président
Didier	Bruno	CCI Paris Ile-de-France	Vice-Président	Arkalista	Fondateur et Dirigeant
Parmentier	Agnès	CCI Paris Ile-de-France	Trésorière adjointe	Leriche Location / Klik's	Chef d'entreprise
Restino	Dominique	CCI Paris Ile-de-France	Vice-Président	Expertise	Président Fondateur
Jacquemard	Jean-Robert	CCI Paris Ile-de-France	Vice-Président	Veolia Eau Seine et Marne	Président du conseil de surveillance
Bachelier	Gérard	CCI Paris Ile-de-France	Vice-Président	AO Concept	Fondateur et Dirigeant
Miller	Emmanuel	CCI Paris Ile-de-France	Vice-Président	Direction RH	Directeur Général
Ponthier	Patrick	CCI Paris Ile-de-France	Vice-Président	Aceni Services Associés	Chef d'entreprise
Dubrac	Danielle	CCI Paris Ile-de-France	Vice-Président	Cabinet Sabimmo	Chef d'entreprise
Delmas	Gérard	CCI Paris Ile-de-France	Vice-Président	ND	ND
Kuchly	Pierre	CCI Paris Ile-de-France	Vice-Président	LSI Le Savoir industriel	Chef d'entreprise
Solignac	Phillippe	CCI Paris Ile-de-France	Board Member	ND	ND
André-Leruste	Cécile	CCI Paris Ile-de-France	Vice-Président	Accenture (Europe Banking Lead)	Managing Director
Frantz	Jérôme	CCI Paris Ile-de-France	Vice-Président	Hachette Driout et Industries	Membre du conseil de surveillance
Bernheim	Patrick	CCI Paris Ile-de-France	Board Member	Ecole Supérieure des Systèmes de Management (ESSYM)	Président
Clair	Michel	CCI Paris Ile-de-France	Board Member	ND	ND
Desnus	Didier	CCI Paris Ile-de-France	Vice-Président	ND	ND
Adams	Jeffrey	London CCI	President and Chairman	United House Developments	Chairman
Riesel	Geoffrey	London CCI	Deputy Chairman	Gett UK	Senior Advisor
Lackey	Lynette	London CCI	Treasurer	one5two LLP	Partner
Caxton-Spencer	Roderick	London CCI	Member of the Board	Besso Ltd	Deputy Chairman
Kotecha	Nish	London CCI	Member of the Board	Finboot Ltd	Co-founder and Chair
Onslow-Cole	Julia	London CCI	Member of the Board	Fragomen Worldwide	Partner
Impey	Anthony	London CCI	Member of the Board	Optimity	Founder
Matharu	Tony	London CCI	Member of the Board	Integrity International Group	Director
Broadbelt	Claire	London CCI	Member of the Board	Fraud Defence Group	Partner
Frost	David	London CCI	Chief Executive	Prime Minister	EU Advisor
Bishop	Peter	London CCI	Deputy Chief Executive	ICC World Chambers Federation International Certificate of Origins Council	Chairman
Stanfield	Neil	London CCI	Finance Director and Company Secretary	London Chamber of Commerce and Industry	Finance Director and Company Secretary

Comparative table on the MEDEF Paris, CBI London and the MEDEF Grand Paris (1/2)

	Medef Paris	CBI London	Medef Grand Paris (2015 onwards)
Jurisdictional status	Charity (Association Loi 1901)	Non-profit organisation created by royal charter (economy representative). Csq : CBI does not have to publish its legal data	Informal body, no legal entity
Date of Birth	"L'Union Patronale" (Employers Union) becomes Medef IDF in 1997 CNP (Conseil National de Patrons Français) becomes Medef in 1997	1965 (British Employers' Confederation, the Federation of British Industries and the National Association of British Manufacturers merged)	2015 : "from the MGP creation onwards, we thought there was a need for a body that could be an interlocutor"; also : "the need for a coherent offer as for firms' locations" ("before that, 25% of our members were not within Medef Paris' limits ; members have asked for a global membership")
Area covered	City of Paris (no precise boundary)	Greater London Members : CBI UK : 240 000 en 2014 (Grilliat 2014), 190 000 today (Website) ;	Paris and petite couronne ; "no fixed scale : it is a flexible system"
Number of members (recent year)	ND ; Interview : "we try to make our membership representative of the Parisian economy"	2 catégories of members : businessess that are direct members (2) trade unions representing professional sectors High representativity of the biggest company, but also of the SMEs through trade unions CBI London membership : ND	NA
Employees	8 : 1 Président, 1 Executive Director (délégué général), 1 Administrative Manager (responsable/secrétaire admin), 1 Skills Manager (responsable emploi/formation), 1 Skills training Regional coordinator (coordinateur régional de la formation professionnelle), 2 press and communication officers (responsables presse et communication), 1 Support services manager (responsable services généraux) ND for Medef Paris / For Medef IDF :	CBI UK : 210 (2014) CBI London : 7 employees (2014)	NA
Budget (recent year)	Annual budget : 1M€ euros (336,200 euros from membership fees, 284,020 of subsidies (public missions for CRAMIF or Forum emploi)). The rest of the budget, 383,000 are non explicitly identified revenue Principle : "we try to live only with membership fees"	CBI UK : 24,8M€ (including 19 M€ from membership fees, 4 M€ from trade activities) CBI London : ND	NA

Comparative table on the MEDEF Paris, CBI London and the MEDEF Grand Paris (2/2)

	Medef Paris Voluntary	CBI London Voluntary	Medef Grand Paris (2015 onwards) NA
Membership	No fees set at national scale. SMEs : 600 euros/year. Big firm : around 10 000 euros per year. Depending on the body that received the fees from the member, Medef IDF, after negotiation, receives fees from Medef France, local interprofessionnel and professionnel IDF Medef.	"we correlate our subscription on the size of businesses" (membership fees per members : 75 pounds (2014))	NA
Fees	The fees are fixed taking into account the National added value of the sector weighted depending on the representativity of the professional organization. All fees are negotiated		NA
Organization	Medef = a confederation of 80 professional federations + 100 local/territory Medef (among which 13 regional Medef). No direct subscription to the federations : firms subscribe through trade associations and their territory. ==> firms are represented through their sector and territory (bottom-up logic)	Lobbying is organised through committees of members and CBI players (UK CBI but also CBI)	NR
Role	Play a part in the National Medef actions (<i>partenaire social, gestionnaire social</i> (supplementary pension negotiations, etc), (3) lobbying Medef Paris = local Medef => "we manage the Medef label at local level (municipal elections, Grand Paris Express taxes, etc.) + mandates (Prud'hommes, URSAFF, CPAM) Services for members (as a 1901 status association, Medef Paris is allowed to do that)	"We exist basically to lobby the government on businesses' behalf"; "We provide a shortcut to the government"; "we look after [all types of businesses]"; Expertise Areas: (1) Understanding policy (political expertise), (2) Interpreting economic trends and date; (3) navigating international markets; (4) Make devolution work for your business; (5) Building a diverse and inclusive workplace; (6) Growing your political literacy (lobbying expertise)	Principles: "(1) common membership (2) common services (3) common voice (coordinated position)
Commitments/campaigns	Municipal elections, promotion of Grand Paris Express	Transport, Education ("connect business and education to help every student succeed"), Sustainability ("Event dans le cadre de la London Business Action Week" to "discuss how to make your business more sustainable"); London Business Survey (https://www.cbi.org.uk/articles/strengthening-londons-business-environment/); Airport, Crossrail	NA
Types of publications (if applicable)	Publications by Medef (ex : http://www.medef-idf.fr/wp-content/uploads/2019/07/Medef_idf_Medecine_du_Travail.pdf) or promotion of Medef France publications (http://www.medef-idf.fr/wp-content/uploads/2019/07/11205-nos-convictions-re-2019.pdf) ou publications en collaboration avec la CCI (entre autres)	(1) London Brief; (2) Newsletter; (3) CBI/KPMG London Business Survey	NA

Board Members of the MEDEF Ile-de-France and the Confederation of Business Industry for London

(1/4)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
SCHILANSKY	Jean-Louis	MEDEF Paris	Président	Centre Hydrocarbures Non-Conventionnels	Président
ZNAVY	Charles	MEDEF Paris	Vice-président	Pierre Hermé	Président
BARBEY	Vincent	MEDEF Paris	Secrétaire	Ocentis SARL	Président
ASSOULINE	Michèle	MEDEF Paris	Vice-président	Sparkling PME Développement	Président
BOZO	Pierre-Jean	MEDEF Paris	Vice-président	B4B Consulting	Associé
MARANDEL	Martine	MEDEF Paris	Vice-président	MJ Conseils	Dirigeant
DREYFUSS	Arnaud	MEDEF Paris	Membre du conseil exécutif	Groupe STR (Sztumpfman)	Dirigeant
LESCURE	Catherine	MEDEF Paris	Membre du conseil exécutif	EDF	Délégué régional
QUENTIN-MAUROY	Jérôme	MEDEF Paris	Membre du conseil exécutif	Tegerim	Président
THOUVENEL	Eric	MEDEF Paris	Membre du conseil exécutif	KMPG	Associé (Direction Région Paris Centre)
BRAJEUX	Pierre	MEDEF Hauts-de-Seine	Président	Torann France	Président
LO JACOMO	Agnès	MEDEF Hauts-de-Seine	Président d'honneur	Chabe Limousines	Président
TRON-LOZAI	Thierry	MEDEF Hauts-de-Seine	Vice-président	ADIMECO	Président
BAEKERROOT	Marc	MEDEF Hauts-de-Seine	Vice-président	Colas	Directeur d'agence
ROUGAGNOU	Bruno	MEDEF Hauts-de-Seine	Treasurer	Cabinet Révision - Transmission	ND
DAGAN	Frédéric	MEDEF Hauts-de-Seine	Secrétaire	Fédération Française du Bâtiment	Représentant départemental
ROTERMUND	Patricia	MEDEF Hauts-de-Seine	Tésorier adjoint	FIDAL	Directeur associé (Bureau La Défense)
RAINFRAY	Lionel	MEDEF Hauts-de-Seine	Secrétaire adjoint	LTJ DIFFUSION ARTHUR	Président
MARTIN	Bruno-Alain	MEDEF Hauts-de-Seine	Autres administrateurs	ENTREPRENEURS & GO	Président
MOSSE	Marc	MEDEF Hauts-de-Seine	Autres administrateurs	MICROSOFT	Directeur des Affaires publiques et juridiques (France)
OGHLY	Marie-Christine	MEDEF Hauts-de-Seine	Autres administrateurs	ENGINSOFT	Président
PAPAZ	Didier	MEDEF Hauts-de-Seine	Autres administrateurs	GADOL OPTIC 2000	Président
PATRIER	Isabelle	MEDEF Hauts-de-Seine	Autres administrateurs	TOTAL	Directeur
ALONSO	Franz	MEDEF Hauts-de-Seine	Autres administrateurs	TW2A	Président
AMRAM	Philippe	MEDEF Hauts-de-Seine	Autres administrateurs	Fédération Française du Bâtiment	Responsable régional
BERTRANDIAS	Georges	MEDEF Hauts-de-Seine	Autres administrateurs	BERGEST	Président
CELLIER	Jean-François	MEDEF Hauts-de-Seine	Autres administrateurs	Fédération des Entreprises de Propriété	ND
VERMES	Jean-Paul	MEDEF Hauts-de-Seine	Autres administrateurs	FONDATION HOPITAL FOCH – Suresnes	Président
ZAHER	Rezlaine	MEDEF Hauts-de-Seine	Autres administrateurs	EXECUTIVE STUDIO – Levallois-Perret	Président
de CAMAS	Sophie	MEDEF Hauts-de-Seine	Autres administrateurs	L'Oréal	DRH Groupe
FRANTZ	Jérôme	MEDEF Hauts-de-Seine	Autres administrateurs	Hachette Driout et Industries	Membre du conseil de surveillance
GRANGE	Grégoire	MEDEF Hauts-de-Seine	Autres administrateurs	ASSURANCES & CONSEIL	Président
LE IMAIRE	Gilles	MEDEF Hauts-de-Seine	Autres administrateurs	Union des Industries Chimiques	Responsable régional
ROUX	Pascale	MEDEF Hauts-de-Seine	Autres administrateurs	ROUX INGENIERIE – Levallois-Perret	Président
ROUX de BEZIEUX	Geoffroy	MEDEF Hauts-de-Seine	Autres administrateurs	NOTUS TECHNOLOGIES	Président
THIEFINE	Sandrine	MEDEF Hauts-de-Seine	Autres administrateurs	POMPES FUNEBRES DE France	Président
PONTHIER	Patrick	MEDEF Hauts-de-Seine	Autres administrateurs	Président de la CCI 92	Président
PRADON-DANTON	Nicolas	MEDEF Hauts-de-Seine	Autres administrateurs	Conseil des Prud'hommes de Boulogne Billancourt	Président
PUYPEROUX	Patrice	MEDEF Hauts-de-Seine	Autres administrateurs	CPLC – Neuilly	Président

Board Members of the MEDEF Ile-de-France and the Confederation of Business Industry for London

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SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
PHILIBIN	Jean-Claude	MEDEF Hauts-de-Seine	Autres administrateurs	Conseil National des Professions de l'Automobile	Secrétaire Général
GAUTHIER	Loïc	MEDEF Seine et Marne	Représentant MEDEF Brie/Tournaï/Ozoir	EOZ	Directeur général
ETIENNE	Dominique	MEDEF Seine et Marne	Représentant MEDEF Brie/Tournaï/Ozoir	SOTUBEMA	Directeur général
VIVIER	Franck	MEDEF Seine et Marne	Représentant MEDEF Marne la Vallée	SODIAS	Président
AYADI	Nadia	MEDEF Seine et Marne	Représentant MEDEF Marne la Vallée	Association Femmes Chefs d'Entreprises (77)	Présidente
MOULLERON	André	MEDEF Seine et Marne	Représentant MEDEF Meaux/Coulommiers	Boulangerie Moulleron	Dirigeant
PATERNI	Eric	MEDEF Seine et Marne	Représentant MEDEF Melun	CYCLEVA	Dirigeant
CLYTI-LUINAUD	Sylvie	MEDEF Seine et Marne	Représentant MEDEF Melun	Cabinet Cylti-Luinaud	Dirigeant
ROMAIN	Céline	MEDEF Seine et Marne	Représentant MEDEF Melun	RURBAN COOP	Dirigeant
BERNAERT	Pierre	MEDEF Seine et Marne	Représentant MEDEF Montreuil / Provins	BLVI	Dirigeant
BERTIN	Jérôme	MEDEF Seine et Marne	Représentant MEDEF Seine et Loing	Bertin & Bertin - Avocats associés	Dirigeant
MICHON	Yannick	MEDEF Seine et Marne	Représentant MEDEF Sénart	ASSA ABLOY	Dirigeant
SEMPERE	Gérard	MEDEF Seine et Marne	Représentant Fédération Bancaire Française	Société générale	Représentant agence Melun
GUILMONT	Alain	MEDEF Seine et Marne	Représentant Experts Comptables	FIDELIANCE	Directeur général
COTTIN	Jean-Marie	MEDEF Seine et Marne	Représentant Experts Comptables	EFEF	Directeur général
Roux	Sylvain	MEDEF Seine et Marne	Représentant FNAIM	Chelles Centre immobilier	Dirigeant
CAZALON	Jean-Michel	MEDEF Seine et Marne	Représentant FEP Ile-de-France	SNE	Représentant Roissy-en-Brie
BENOJET	Philippe	MEDEF Seine et Marne	Représentant FFB 77	ACORUS	Dirigeant
CRIEF	Laurent	MEDEF Seine et Marne	Représentant FFB 77	SNE	Dirigeant
RABOURDIN	Jean-Louis	MEDEF Seine et Marne	Représentant GIM / UIMM 77	UIMM	Dirigeant
LAMBERT	Jean-Yves	MEDEF Seine et Marne	Représentant GIM / UIMM 77	ELBI	Dirigeant
BANQUET D'ORX	Jean-Marc	MEDEF Seine et Marne	Représentant Hôtellerie	UMIH	Dirigeant
ERMEL	Rodolphe	MEDEF Seine et Marne	Représentant Hôtellerie	EHC	Dirigeant
LAPLACE	Eric	MEDEF Seine et Marne	Représentant AMICS	AMICS	Dirigeant
LORY	Pierre	MEDEF Seine et Marne	Personnes qualifiées votantes	N/A	N/A
VITTE	Pierre	MEDEF Seine et Marne	Personnes qualifiées votantes	Entreprise Vitte	Dirigeant
VERNHES	Frédéric	MEDEF Val d'Oise	PRESIDENT D'HONNEUR	CFI Gonnesse	Dirigeant
JONQUERES	Michel	MEDEF Val d'Oise	PRESIDENT	GRUPE HUTCHINSON	Ancien Dirigeant
ECRAN	Philippe	MEDEF Val d'Oise	VICE -PRESIDENT en charge des relations avec les Associations Locales d'Entrepreneurs	CERENS Argenteuil	Dirigeant
MUNCH	Pierre	MEDEF Val d'Oise	VICE -PRESIDENT en charge de la sensibilisation des entreprises à l'international	CEFTVAL Persan	Dirigeant
RANGAN	Myriam	MEDEF Val d'Oise	SECRETARE	ERGAIS Bezons Cergy	Dirigeant
CASTRO	Joëlle	MEDEF Val d'Oise	SECRETARE ADJOINT	AGS / MOBILITAS Beauchamp	Dirigeant
TURBAT	Bruno	MEDEF Val d'Oise	TRESORIER	EJ International Meru	Dirigeant
MONTI	Jean-Claude	MEDEF Val d'Oise	TRESORIER ADJOINT	MONTI Claude et Fils Ennery	Dirigeant
ALEXEEF	Michel	MEDEF Val d'Oise	Autre administrateur	Azur Technologies Megny en Vexin	Dirigeant
BONNET	Julie	MEDEF Val d'Oise	Autre administrateur	J2B Concept Argenteuil	Dirigeant
CAUSSY	Ramesh	MEDEF Val d'Oise	Autre administrateur	PARTNERING 3.0 La Frette sur Seine	Dirigeant
CHAURAND	Jean-Christophe	MEDEF Val d'Oise	Autre administrateur	E.C.A.T Taverny	Dirigeant
GLUSMAN	Joël	MEDEF Val d'Oise	Autre administrateur	Crystal Groupe / Roissy	Dirigeant

Board Members of the MEDEF Ile-de-France and the Confederation of Business Industry for London

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SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
GRATZMULLER	Carole	MEDEF Val d'Oise	Autre administrateur	ETNA INDUSTRIE Argenteuil	Dirigeant
LE MASSON	Elisabeth	MEDEF Val d'Oise	Autre administrateur	Groupe ADP Roissy	Délégué à l'environnement et au développement durable
HOUBERT	Philippe	MEDEF Val d'Oise	Autre administrateur	3M Cergy	Directeur de la RSE
KESPY-YAHI	Claudia	MEDEF Val d'Oise	Autre administrateur	CAP ENFANTS Bezons	Dirigeant
NABAT FLECHER	Anne-Laure	MEDEF Val d'Oise	Autre administrateur	TELLIER Argenteuil	Dirigeant
NAVAZ	Mokhtar	MEDEF Val d'Oise	Autre administrateur	ENTIB Argenteuil	Dirigeant
PATRY	Laurence	MEDEF Val d'Oise	Autre administrateur	PATRY Parisan	Dirigeant
PLANTEBLAT	Jean-François	MEDEF Val d'Oise	Autre administrateur	Groupe Barrière Enghien les Bains	Dirigeant
POMMERET	Evelyne	MEDEF Val d'Oise	Autre administrateur	EMILIE SARL Beauchamp	Dirigeant
SAINT CRICQ	Olivier	MEDEF Val d'Oise	Autre administrateur	TELMA St Ouen l'Aumone	Dirigeant
SIMON	Jean-Marie	MEDEF Val d'Oise	Autre administrateur	ATOS Bezons	Dirigeant
PERRINOT	Fabienne	MEDEF Essonne	Président	Acteurs & Enjeux	Fondatrice et Dirigeante
THEROND	Christian	MEDEF Essonne	Vice-président, président club des grandes entreprises	CT-Développement	Consultant-gérant
BILLEBAULT	Corinne	MEDEF Essonne	Délégué général	ND	ND
MOUGIN	Jean-Pierre	MEDEF Essonne	Vice-président, président comité MEDEF sport Essonne	GN Caceipa / Comité National Olympique et Sportif Français (CNOSF)	Président / Vice-Président
NOUVELLON	Joseph	MEDEF Essonne	Vice-président, président club 91	ND	ND
DEMONCEAUX	Henri	MEDEF Essonne	Vice-président, président commission emploi, formation et insertion	AJE 91	Président
Taylor-Martin	Susan	CBI London (2013)	ND	Thomson Reuters	President Reuters Media
Ford	Sara	CBI London (2013)	ND	Accenture	Managing director
Dimes	Lucy	CBI London (2013)	ND	Alcatel-Lucent	CEO UK & Ireland
Keeble	John	CBI London (2013)	ND	Aon Ltd	Marketing & communications director
Littlemore	Chris	CBI London (2013)	ND	Archial	CEO
Turzynski	John	CBI London (2013)	ND	Arup	Director London & South East
Walters	Patrick	CBI London (2013)	ND	Associated British Holdings Ltd	Commercial director
Hempstead	Caroline	CBI London (2013)	ND	Astrazeneca plc	VP Global corporate affairs
Mahoney	Hugo	CBI London (2013)	ND	Atkins	Director of business development UK
Balley	Richard	CBI London (2013)	ND	BAM Construct UK Limited	Executive director
Astaire	Mark	CBI London (2013)	ND	Barclays plc	Vice-chairman UK Investment banking
Eisenberg	Neville	CBI London (2013)	ND	Berwin Leighton Paisner LLP	Managing director
Latchman	David	CBI London (2013)	ND	Birkbeck university of London	Master
Goldsmith	Ian	CBI London (2013)	ND	Brakes Group	COO Group
King	Tom	CBI London (2013)	ND	British airways	Head of government affairs
Campling	Andrew	CBI London (2013)	ND	BT Group plc	London general manager
Kent	John	CBI London (2013)	ND	CBRE	Executive director - Central London Business team
Skinner	Tim	CBI London (2013)	ND	Cisco systems Ltd	Enterprise operations director
Sizeland	Paul	CBI London (2013)	ND	City of London Corporation	director of economic development
Deardon	Matthew	CBI London (2013)	ND	Clear channel UK Limited	CEO
Mitchell	Jamie	CBI London (2013)	ND	Daylesford Organic	CEO
Fletcher	Paul	CBI London (2013)	ND	Deloitte	Practice senior partner - London
Neal	Tim	CBI London (2013)	ND	EC Harris LLP	Partner - regional leader UK & Ireland
Cox	Sid	CBI London (2013)	ND	EDF Energy	Director of B2B
Halkes	Nigel	CBI London (2013)	ND	EY	London market leader

Board Members of the MEDEF Ile-de-France and the Confederation of Business Industry for London
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SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
McCall	Kenneth	CBI London (2013)	ND	Europcar UK Group	Managing director
Lewis	Richard	CBI London (2013)	ND	Eversheds	Corporate partner
Turner	Pete	CBI London (2013)	ND	Experian	Managing director, consumer services
Lowe	Simon	CBI London (2013)	ND	Grand Thornton LLP	Partner UK - large corporate practice leader
Heep	Nigel	CBI London (2013)	ND	Heys	Managing director UK & Ireland
Bagnald	Carol	CBI London (2013)	ND	HSBC	Regional director London
Gardener	Sarah Williams	CBI London (2013)	ND	IBM	Government affairs director - UK
Hales	Graham	CBI London (2013)	ND	Interbrand	CEO London
Conary	Greg	CBI London (2013)	ND	Invensys PLC	Vice-president office of the CEO
Bouverat	Philip	CBI London (2013)	ND	JCB	Director global accounts
Mottram	Andy	CBI London (2013)	ND	Jones Lang LaSalle Ltd	International director, member of EMEA management board
Mahoney	Neil	CBI London (2013)	ND	Lloyds Banking Group	Commercial banking operations director
Dhaliwal	Harbinder	CBI London (2013)	ND	Logica (a CGI company)	Managing director, transport & commercial
Cahill	Mark	CBI London (2013)	ND	Manpower	Managing director UK & Ireland
Ginty	Tony	CBI London (2013)	ND	Marks & Spencer	Head of public affairs
Salisbury	Nigel	CBI London (2013)	ND	Marsh Ltd	Managing director
Cody	Laren	CBI London (2013)	ND	McDonald's	Vice-president, strategic planning, digital & IT UK
Sneader	Kevin	CBI London (2013)	ND	McKinsey & Company	Managing partner UK & Ireland
Williams	David	CBI London (2013)	ND	Middlesex University	Director for corporate engagement
Howells	Keith	CBI London (2013)	ND	Mott MacDonald Group	Chairman
Newman	Iain	CBI London (2013)	ND	Nabarro LLP	Partner, head of corporate
Barratt	Jeffery	CBI London (2013)	ND	Norton Rose LLP	Senior banking partner
Waud	Stephen	CBI London (2013)	ND	OCS Group Limited	Executive director
Rees	David	CBI London (2013)	ND	PA Consulting	Head of local government services
Roberts	Martin	CBI London (2013)	ND	Pinsent Masons	Partner, head of London office
Snell	David	CBI London (2013)	ND	PWC	Partner
Riesel	Geoffrey	CBI London (2013)	ND	Radio Taxis Group Ltd	Chairman & CEO
King	Steven	CBI London (2013)	ND	Santander	Regional director UK
Oram	Robin	CBI London (2013)	ND	ND	L&SE senior manager, pre-construction & development / SPV board director
Hopkins	Brendon	CBI London (2013)	ND	Standard Chartered Bank	Group head strategy, west
Alexander	Amanda	CBI London (2013)	ND	Stork & May	Partner
Mehta	Amit Dev	CBI London (2013)	ND	Tata Capital plc	Senior vice-president
Dix	Michele	CBI London (2013)	ND	Transport for London	Managing director of planning
Caddick	Stephen	CBI London (2013)	ND	University college London	Vice-provost
Hunt	Robert	CBI London (2013)	ND	Veolia Environment	Executive director UK
Wilkinson	Fiona	CBI London (2013)	ND	Visa	Senior vice-president - corporate communications (Europe)
Charnley	Alan	CBI London (2013)	ND	Xerox	Managing director UK & Ireland
Andrews	Peter	CBI London (2013)	ND	Bank of England	Agent for Greater London

Comparative table on Paris Ile-de-France Capitale Economique (Greater Paris Investment Agency) and London First (1/2)

	Greater Paris Investment Agency	London First
Jurisdictional status	Association 1901	Private, limited by guarantee, no share capital, use of 'limited' exemption'
Date of birth	Club Paris Capitale Economique was created in 1991, became Paris-IDF-CE in 1997.	1992
Area covered	Région Ile-de-France	Greater London
Number of members	2014 : 58 ; Big French and international firms located in Paris IDF (CAC 40 (9), big consulting firms (Ernst, McKinsey, KPMG, Deloitte), Bank and Finance (Crédit agricole, PWC, BNP), Construction (Bouygues, Colas), Transport (Air France, ADP), La Poste, GDF, EDF, Total, IDF CCIs, professional trade unions (Medef IDF, Medef Paris, fédération nationale des travaux publics, FNAIM) + a few public bodies dedicated to urban projects (EPA and SEM)	1993 : 150 (cf. speech given by Stephen O'Brien in 1993 published in Planning in London, september 1993) 2014 : 198 (Grilliat 2014) 2019 : 235 (LF website) Most active members : London First Partners, BAA, Bank of America Merrill Lynch, Berwin, Leighton Paisner, BT, Canary Wharf, CB Richard Ellis, CH2M Hill, Deloitte, EDF, Energy, Gensler, Grosvenor, HSBC, Invenys Plc, KPMG, Land Securities, Lend, Lease, London Gatwick Airport, London Higher, PwC, Qatari Diar, Quintain Estates & Development, The Crown Estate, Thales, UK Power Networks
Employees	2014 : 4 2019 : 5 (1 CEO, 1 Benchmark and international studies manager, 1 international delegations and roadshows manager, 1 membership and partnership manager, 1 project manager)	"Small staff of policy experts and campaigners" 30-35 persons in 2014. 39 persons are inventoried on London First website today
Budget	Low budget : 1,4 millions euros in 2011, entirely dedicated to core activities (BSS outsourced). Budget : 400,000 euros comes from CCP (35%) + membership fees between 800,000 and 1,400,000 (18,000 euros per year on average). Charges : 28% de wages/social security contributions. The rest of the budget = "operational actions"	Annual budget (2014) 3,500,000€/year, mostly coming from members subscription (3 millions). The rest of the budget (600 000 pounds) comes from participations to deals and from services sold by London First. London First receives no public money
Membership	Voluntary. Unlike Medef and CCI, PidfCE selects its members (cooptation and then validation by GA) depending on 3 criteria : firms that strengthen Paris attractiveness as a FDI destination), resources, expertise in their sector. Rq : there are 2 political bodies only among members (and it is quite recent, between 1 or 2 years) : MGP and 1 EPT (A.M : "it is quite strange but we work efficiently together"). There always have been public bodies among members : Paris La Défense, EPA.	Voluntary. There are 2 levels of London First's membership: (1) Partner (upper level of membership): they steer London First's policy development and promote London First's visibility. They enjoy a better access to high quality events and opportunities. Notable Partners: Airbnb, Canary Wharf Group PLC, Deloitte, EY, Grant Thornton, Grosvenor, Heathrow, KPMG, London City Airport, Mastercard, PwC, Uber. There are 30 Partner members. (2) Corporate: 235 members (in total)

**Comparative table on Paris Ile-de-France Capitale Economique (Greater Paris Investment Agency)
and London First (2/2)**

	Greater Paris Investment Agency	London First
Fees	<p>Membership fees : 18,000 euros on average. There are adapted fees for public bodies "because they struggle to get that sort of things voted" (AM)</p>	<p>Membership rate: 40,000€/member (cf interview Griliat) ; in the 2000s, one witnessed a "gentle upward drift in resources", because of the increasing number of members and the raise in membership price. Despite variations due to financial crashes and the dotcom bubble, there has been a "general upward trend"</p>
Organization	<p>Different from public bodies : flexible organisation + organisation defined by members.</p> <p>3 decision levels : (1) General Assembly sets strategic orientations (members vote one a year) : validation of the new target countries, annual seminar topic (benchmarks and publications) and committees reports</p> <p>(2) BDD (21 members) : meets once a year, sets the strategic committees (=3/year, work on 3 IDF public policy topics (ex : Grand Paris, business real estate, SDRIF, etc.) ; the strategic committees are led by members themselves (voluntary basis) ; organisation = 3 or 4 meetings of the members committed to the strategic committee, supervised by a member of PIDFCE teams who writes a debriefing</p> <p>(3) Members = decisions through their implication in committees/studies</p>	<p>there is a London First board, elected by London First's members. The board makes policy and takes decisions for London First in principle. However, in practice, the decisions taken by the board are only decisions applying to novel and contentious issues. If such an issue is met by the management team, it is taken to the chairman, who will decide whether or not it deserves to be taken to the whole board. If not, the chairman just gives his agreement.</p> <p>The Board is composed of a Chairman, a Director and a Treasurer. The rest of the Board is formed by over 10 Directors. The Board meets 3 or 4 times per year.</p> <p>London First's board is non-executive. It is composed of "influential business leaders". London First deliberately included senior local government members on its board (and the director of the Government Office for London observed) (source : 2006 HALL. Role of business in London p7)</p>
Actions	<p>2014 : (1) FDI canvassing and roadshows in order to identify investors that have an interest in IDF. (delegations' participants : a specific sector's representatives + PIDFCE president + Ministers (not systematically) + other institutional actors such as Agence Française pour les Investissements internationaux or Medef IDF ; more non-official foreign diplomatic/economic events/meetings in order to promote IDF assets (prospectation).</p> <p>(2) lobbying : dinners, gala, trips, private conversations, etc. (sectors concerned : tax (labour laws, construction, etc.), amenities (transport, accommodation for expatriates, offices, etc.), public policies (R&D, innovation).</p> <p>(3) expertise (a smaller part of PIDFCE's activity) on IDF international attractivity and assets</p>	<p>London First has 4 types of activities. Each year: (1) 200 events, "ranging from small policy roundtables to the London Infrastructure Summit" (among others: breakfasts, London First's "Next Horizon Member Breakfast series", etc.) (2) "Thought leadership" publications "including major policy reports" (there is also a blog) (3) Regular meetings with "Ministers, the Mayor and other policy makers" (4) Communication "through the media and other channels": London First's specificity is its reliance on external expert bodies like LSE researchers.</p>
Services délivrés aux entreprises	<p>-Networking among members and with political actors (national elected representatives specifically)</p> <p>-Search for opportunities, at the international scale</p> <p>-Breakfasts, dinners organised for members, foreign business executives, foreign diplomacy representatives</p>	<p>Benefits delivered by London First: (1) Access: "insight and intelligence from an unrivalled perspective of business and public sectors"; (2) Profile: "multiple routes that better position an organisation with audiences they want to influence"; (3) Networking: "year-round programme, including private briefings, specialist best practice exchange, consultations, informal events for client prospecting and multi-sector alliance-building". London First's networking events, as opposed to LCCI's, gathers big businesses</p>
Types of publications (if applicable)	<p>- Press releases (ex : "l'attractivité internationale de Paris gagne encore du terrain", in collaboration with Paris Région Entreprises)</p> <p>- Studies (ex : Global Cities investment monitor, in collaboration with KPMG)</p> <p>- MIPIM booklets (Grand Paris Développement)</p> <p>- Forum Grand Paris brochures</p>	<p>Many publications are made public. They result from 2 possible processes: (1) A study is ordered by London First but produced by one (or several) London First members. (2) A study is produced by a commission composed of London First members and external experts. That type of study is more time-consuming, as the members of these commissions meet 3 or 4 times, reaching sometimes 9 months.</p>

**Board Members of Paris Ile-de-France Capitale Economique (Greater Paris Investment Agency) and
London First**

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
NIBOUREL	CHRISTIAN	Paris IDF Capitale Economique	Administrateur	ACCENTURE	PRÉSIDENT France BENELUX
BLANDINIÈRES	THIERRY	Paris IDF Capitale Economique	Administrateur	INVIVO	DIRECTEUR GÉNÉRAL
CHENU	JOSÉ-MICHAËL	Paris IDF Capitale Economique	Administrateur	VINCI SA	DIRECTEUR MARKETING STRATÉGIQUE ET DÉVELOPPEMENT URBAIN
CAPOBIANCO	MARIE-CLAIRE	Paris IDF Capitale Economique	Administrateur	BNP PARIBAS	DIRECTEUR DES RÉSEAUX FRANCE, MEMBRE DU COMITÉ EXÉCUTIF
CUVILLIER	CHRISTOPHE	Paris IDF Capitale Economique	Administrateur	UNIBAIL-RODAMCO-WESTFIELD	PRÉSIDENT-DIRECTEUR GÉNÉRAL
DIDIER	BRUNO	Paris IDF Capitale Economique	Administrateur	CCI PARIS ILE-DE-FRANCE	VICE-PRÉSIDENT, TRÉSORIER
GUILLOUARD	CATHERINE	Paris IDF Capitale Economique	Administrateur	RATP	PRÉSIDENTE-DIRECTRICE GÉNÉRALE
GUYOT	ETIENNE	Paris IDF Capitale Economique	Administrateur	CCI PARIS ILE-DE-FRANCE	PRÉFET, DIRECTEUR GÉNÉRAL
HOCHER	JEAN-YVES	Paris IDF Capitale Economique	Administrateur	CREDIT AGRICOLE CIB	DIRECTEUR GÉNÉRAL (CALYON)
MOUSSALEM	NADRA	Paris IDF Capitale Economique	Administrateur	COLONY NORTHSTAR	DIRECTEUR EXÉCUTIF EUROPE
KLING	DIDIER	Paris IDF Capitale Economique	Administrateur	CCI PARIS ILE-DE-FRANCE	PRÉSIDENT
WAHL	PHILIPPE	Paris IDF Capitale Economique	Administrateur	GROUPE LA POSTE	PRÉSIDENT-DIRECTEUR GÉNÉRAL
KOCHER	ISABELLE	Paris IDF Capitale Economique	Administrateur	ENGIE	DIRECTRICE GÉNÉRALE
DE ROMANET	AUGUSTIN	Paris IDF Capitale Economique	Administrateur	GROUPE ADP	PRÉSIDENT-DIRECTEUR GÉNÉRAL
MONLOUBOU	PHILIPPE	Paris IDF Capitale Economique	Administrateur	ENEDIS	PRÉSIDENT DU DIRECTOIRE
HOUZE	PHILIPPE	Paris IDF Capitale Economique	Administrateur	GROUPE GALERIES LAFAYETTE	PRÉSIDENT DU DIRECTOIRE
CAULIER	JEAN-CHARLES	Paris IDF Capitale Economique	Administrateur	CONDUENT	SENIOR DIRECTOR, SALES, PUBLIC TRANSPORT INTERNATIONAL
BOINET	SVEN	Paris IDF Capitale Economique	Administrateur	GROUPE ACCORHOTELS	DIRECTEUR GÉNÉRAL DÉLÉGUÉ
SIMON	PIERRE	Paris IDF Capitale Economique	Administrateur	PARIS-ILE DE FRANCE CAPITALE ECONOMIQUE	PRÉSIDENT D'HONNEUR
MICHEL	BERNARD	Paris IDF Capitale Economique	Administrateur	VIPARIS	PRÉSIDENT
Drechsler	Paul	London First	Chairman	Bibby Line Group	Chairman
Beale	Inga	London First	Deputy Chair	Insuring Women's Futures / Lloyd's of London	Patron / Former CEO
Bourke	Evelyn	London First	Member of the Board	Bupa Group / Bank of Ireland	CEO / Non-Executive Director
Brok	Martin	London First	Member of the Board	Starbucks EMEA	President
Jain	Angela	London First	Member of the Board	ITV Studios Entertainment	Managing director
Kiernan	Peter	London First	Non-executive Director	Egon Zehnder / OMIERS Private Equity	Senior Adviser / Senior Adviser
McWilliam	Craig	London First	Member of the Board	Grosvenor	CEO (Britain & Ireland)
Norris	Peter	London First	Member of the Board	Virgin Group	Chairman
Powell	Ian	London First	Member of the Board	Capita plc	Chairman
Randery	Tanuja	London First	Member of the Board	McKinsey	Partner
Reynolds	Mark	London First	Member of the Board	Mace	Chief executive
Sproul	David	London First	Member of the Board	Deloitte	Chief executive UK
Tucker	John	London First	Non-executive Director	UK Bank	Independent Consultant
Warrington	Stephen	London First	Non-executive Director	Jellyfish	Global Vice-President for E-commerce & Retail
Whitbread	Jasmine	London First	Chief Executive	WPP PLC	Non-Executive Director
Wilson	Nigel	London First	Member of the Board	Legal & General	Chief Executive

Board Members of the Canary Wharf Group and the London Economic Action Partnership (LEAP)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
Iacobescu	George (Sir)	Canary Wharf Group	Chairman and Chief Executive	The City UK / The Financial Times	Member of the Advisory Board / Member of the Real Estate Advisory Board
Anderson	Peter	Canary Wharf Group	Managing Director for Finance	High Speed Office Limited	Board Member
Archer	Richard	Canary Wharf Group	Managing Director for Leasing and Marketing		No other position
Bryant	Clifford	Canary Wharf Group	Chief Executive Director (Canary Wharf Contractors)		No other position
Caruso	Eugenio	Canary Wharf Group	Chief Executive Director (Canary Wharf Contractors)		No other position
Dawber	Howard	Canary Wharf Group	Managing Director for Strategy and Adviser on government-business relations	Community Foundation for East London / Olympic Legacy Trust	Chair / Board Member
Ferguson	Ian	Canary Wharf Group	Commercial Director		No other position
Garwood	John	Canary Wharf Group	Managing Director / Group Company Secretary		No other position
Gullett	Philip	Canary Wharf Group	Managing Director for Development		No other position
Henderson	Christopher	Canary Wharf Group	Lawyer		No other position
Jordan	Anthony	Canary Wharf Group	Managing Director	Wood Wharf Property Holdings	Director
Lyons	Russell	Canary Wharf Group	Group Financial Controller	Jollygate Limited	Director
Waxer	Camille	Canary Wharf Group	Managing Director for Retail and Urban Transformation		No other position
Depledge	Alex	LEAP	Board Member	Resi	Founder and CEO
Caulcott	Celia	LEAP	Board Member	UCL	Vice-provost Enterprise
Knowles-Cutler	Angus	LEAP	Board Member	Deloitte	Vice-chair
Campbell	Natalie	LEAP	Board Member	ND	Entrepreneur
Pitkeathley	Simon	LEAP	Board Member	Euston and Camden Bids	CEO
Clark	Greg	LEAP	Board Member	ND	Economic strategist
Newbigin	John	LEAP	Board Member	Chair Creative England	Founder
O'Shea	Colette	LEAP	Board Member	Land Securities	MD London

Elected Members of the City of London Corporation in 2019 (1/3)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
Abrahams	George Christopher	City of London Corporation	Councillor	George Abrahams Group	Managing Director
Absalom	John David	City of London Corporation	Councillor	Absalom Properties Limited	Managing Director
Addy	Caroline Kordai	City of London Corporation	Councillor	Chambers of Sir Edward Garnier	Barrister in independent practice
Ali	Munsur	City of London Corporation	Councillor	Kool Cats Consultancy	Director
Ameer	Rehana Banu	City of London Corporation	Councillor	Prosap Technologies Limited	Director
Anderson	Randall Keith	City of London Corporation	Councillor		Self-employed Lawyer
Anstee	Nicholas	City of London Corporation	Alderman	King & Wood Malleons (KWM)	Senior Director
Barr	Alexander Robertson Martin	City of London Corporation	Councillor	Janus Henderson Investors	Senior Portfolio Manager
Barrow	Douglas	City of London Corporation	Councillor	Templar Executives	MCERT Ambassador
Bastow	Adrian Mark	City of London Corporation	Councillor	NIIT Insurance Technologies	Marketing Director
Bell	Matthew	City of London Corporation	Councillor	The Farrington Practice	Psychotherapist
Bennett	John	City of London Corporation	Councillor	Worshipful Company of International Bankers	Liveryman
Bennett	Peter Gordon	City of London Corporation	Councillor		No other position (retired)
Bensted-Smith	Nicholas Michael	City of London Corporation	Councillor	Loriners Investment Company / Christ's Hospital	Director / Member of Council & Trustee
Boden	Christopher Paul	City of London Corporation	Councillor	Cabsaver Management Limited	Director
Bostock	Mark	City of London Corporation	Councillor	Heathrow Hub Ltd / Runway Innovations Ltd	Director / Director
Bottomley	Keith David Forbes	City of London Corporation	Councillor		Communications consultant
Bowman	Charles Edward Beck	City of London Corporation	Alderman	PriceWaterhouseCoopers (PWC)	Chartered Accountant and Senior Partner
Bradshaw	David John	City of London Corporation	Councillor	Peter Jones Department Store	John Lewis Partnership
Broeke	Tijs	City of London Corporation	Councillor	Government Relations Manager for UK, Ireland, Benelux and Nordics	Consultant / Non-Executive Director
Cassidy	Michael John	City of London Corporation	Councillor	Citibank / P2P Global Investments	Consultant
Chadwick	Roger Arthur Holden	City of London Corporation	Councillor	EC Financial Associates	Consultant
Chapman	John Douglas	City of London Corporation	Councillor	Independent consultant (JDC Consultant)	
Christian	Dominic Gerard	City of London Corporation	Councillor	Aon Reinsurance Solutions / Lloyds of London	Global Chairman / Member of Council
Clementi	Thomas Cowley	City of London Corporation	Councillor	MS Anlin Underwriting Limited	CEO
Colthurst	Henry Nicholas Almoth	City of London Corporation	Councillor	R&Q Capital No.1 Ltd / Almoth Enterprises Ltd	Director / Director
Doshi-Smith	Graeme	City of London Corporation	Councillor	Firecrest Risk Ltd / Fidelity International	Owner and Managing Director / Director
Dostalova	Karina	City of London Corporation	Councillor	Cristal Pigments UK Ltd	Global Head of International Communications
Duckworth	Simon D'Olier	City of London Corporation	Councillor	Adapt PLC / Barrings Targeted Returns Fund	Non-Executive Director / Chair of Advisory Board
Dunphy	Peter Gerard	City of London Corporation	Councillor	Chapter Chambers Management Ltd / Gizmo Film Production	Director / Director
Durcan	Mary	City of London Corporation	Councillor		No other position (retired)
Edhem	Emma	City of London Corporation	Alderman	No. 5 Chambers / EMYA Global	Barrister / Chairman
Estlin	Peter	City of London Corporation	Alderman	Barclays plc / Rotschild and Co	Senior Advisor / Non-Executive Director
Everett	Kevin Malcolm	City of London Corporation	Councillor		Business and Education Consultant
Fairweather	Anne Helen	City of London Corporation	Councillor	Nationwide Building Society	Policy and Public Affairs Manager Lead
Fernandes	Sophie Anne	City of London Corporation	Councillor	Atos (UK and Ireland)	Public Affairs Manager
Fletcher	John William	City of London Corporation	Councillor		No other position (retired)
Fredericks	Marianne Bernadette	City of London Corporation	Councillor		No other position
Garbutt	John	City of London Corporation	Alderman	Chartered Institute of Securities and Investment	Fellow
Gifford	Roger	City of London Corporation	Alderman	SEB Private Bank	UK Country Manager

Elected Members of the City of London Corporation in 2019 (2/3)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
Gowman	Alison	City of London Corporation	Alderman	DIA Piper UK	Consultant
Goyal	Prem	City of London Corporation	Alderman	Global Markets Consultants / Rise Inc.	CEO / Non-Executive Director
Graham	Tracey	City of London Corporation	Councilman	Royal London Mutual Insurance Society Ltd	Non-Executive Director
Graves	David Andrew	City of London Corporation	Alderman	Cripplegate Ward Club / City of London Solicitors' Company	President / Master
Hailes	Timothy Russell	City of London Corporation	Alderman	FiveIQ Limited / Five Islands Capital	Non-Executive Director / General Counsel and Executive Director
Haines	Caroline Wilma	City of London Corporation	Councilman	City of London School	Education (self-employed)
Haines	Stephen Decatur	City of London Corporation	Councilman		Governor
Harrower	Graeme	City of London Corporation	Councilman		No other position
Hayward	Christopher Michael	City of London Corporation	Councilman	Hayward Properties / JBP Associates	Non-Executive Director / Director
Hill	Christopher	City of London Corporation	Councilman	Clark Advisor	Partner
Hoffman	Tom	City of London Corporation	Councilman	City Livery Club and Guild of Freemen	Life Member
Holmes	Ann	City of London Corporation	Councilman		Management Consultant (self-employed)
Howard	Robert Picton Seymour	City of London Corporation	Alderman	Charles Stanley & CO Limited	Senior Compliance Officer
Hudson	Michael	City of London Corporation	Councilman	Gamespati plc	Company Secretary
Hughes-Penney	Robert Charles	City of London Corporation	Alderman	Rathbone Brothers plc	Investment Director
Hyde	Wendy	City of London Corporation	Councilman	Worshipful Company of World Traders	Court Assistant
Clark	Jamie Ingham	City of London Corporation	Councilman	TIC Consulting / Electrum Holding	Director / Director
James	Clare	City of London Corporation	Councilman	PTL	Actuary
Jones	Gregory	City of London Corporation	Alderman	Chambers of Andrew Tait QC / Gaia Re-Developers	Barrister / Non-Executive Director
Jones	Henry Llewellyn Michael	City of London Corporation	Councilman		No other position
Joshi	Shravan Jashwantra	City of London Corporation	Councilman	SM Ventures Ltd / Chicago Mercantile Exchange	Director / Consultant
Keaveny	Sheriff Vincent Thomas	City of London Corporation	Alderman	Piper UK	Partner
King	Alastair John Naisbitt	City of London Corporation	Alderman	Naisbitt King Asset Management / Talbot Capital	Chairman / Chairman
Knowles-Cutler	Angus	City of London Corporation	Councilman	Deloitte	London Office Managing Partner and UK Vice Chairman
Langley	Susan	City of London Corporation	Alderman	AI Gallagher Holdings / UK Asset Resolution Croft Roads	Chairwoman / Senior Independent Director
Lawrence	Gregory Alfred	City of London Corporation	Councilman	G Lawrence Wholesale Meats	Director
Levene	Tim	City of London Corporation	Councilman	Augmentum Capital GP / Galmairley Ltd	CEO / Director
Littlechild	Vivienne	City of London Corporation	Councilman		No other position (retired)
Lloyd-Owen	Natasha Maria Cabrera	City of London Corporation	Councilman		Barrister (self-employed)
Lodge	Oliver Arthur Wynlayne	City of London Corporation	Councilman		
Lord	Edward	City of London Corporation	Councilman	OWL Regulatory Consulting	Director
Luder	Ian David	City of London Corporation	Councilman	Edward Lord Ltd / Social Care Housing Ltd	Managing Director / Chair
Lyons	Nicholas Stephen Leland	City of London Corporation	Alderman	Taxation Disciplinary Board	Registrant Panel Member
Maimelli	Michael Raymond	City of London Corporation	Alderman	Phoenix Group Holdings / Clipstone Reit plc	Chairman / Chairman
Martinelli	Paul Nicholas	City of London Corporation	Councilman	Z/Yen Group Limited	Director
Masojada	Broniek	City of London Corporation	Alderman	PJ Martinelli Ltd	Director
Mayer	Andrew Paul	City of London Corporation	Councilman	Hiscox Ltd / Pool Reinsurance Company	Chief Executive / Director
Mayhew	Jeremy	City of London Corporation	Councilman	Institute of Economic Affairs	Chief Operating Officer
McGuinness	Catherine	City of London Corporation	Councilman	Legal Services Board / UK Government's Regulatory Policy Committee	Non-Executive Member / Member
McMurtrie	Andrew Stratton	City of London Corporation	Councilman		Self-Employed Consultant
Mead	Wendy	City of London Corporation	Councilman	Diocese of Southwark	Chair of the Investment Committee
Merrett	Robert Allan	City of London Corporation	Councilman	The Save Bart's Campaign (NHS campaign group) JP Morgan Chase Bank	Chairman and Spokesman International Banker

Elected Members of the City of London Corporation in 2019 (3/3)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
Meyers	Andrien Gereith Dominic	City of London Corporation	Councillman	Chartered Accountant / Investment and Management Professional / Advisor to National and Local	
Mooney	Brian Desmond Francis	City of London Corporation	Councillman	Royal Geographical Society	Fellow
Morris	Hugh Fenton	City of London Corporation	Councillman	Laureate Legal Services / Lapwing Legal Services	Chief Executive / Chief Executive
Moss	Alastair Michael	City of London Corporation	Councillman	Memery Crystal / Tobin (UK)	Member / Board Advisor
Moyes	Sylvia Doreen	City of London Corporation	Councillman		No other position (retired)
Murphy	Benjamin Daniel	City of London Corporation	Councillman	UBS Investment Bank	Chief Operating Officer
Nash	Joyce Carruthers	City of London Corporation	Councillman		No other position (retired)
Newkham	Barbara Patricia Graham	City of London Corporation	Councillman	Worshipful Company of Turners	Member
Packham	Graham	City of London Corporation	Councillman		No other position (retired)
Parmley	Andrew Charles	City of London Corporation	Alderman	St James Garlickhythe	Honorary organist
Patel	Dhruv	City of London Corporation	Councillman	Clockwork Pharmacy Group	Partner
Pearson	Susan Jane	City of London Corporation	Councillman	Richard Cloudeley School (Islington)	Governor
Petrie	John	City of London Corporation	Councillman	Bank of England	Senior Adviser
Pimlott	William	City of London Corporation	Councillman	Short Books Unit	Junior Publisher
Pleasance	Judith	City of London Corporation	Councillman	Special Projects and Events / Turkish-British Chamber of Commerce	Consultant / Chairman
Pollard	James Henry George	City of London Corporation	Councillman	C&E Capital Consulting / Premier Asset Management	Managing Director and Owner / Head of Closed End Fund
Priest	Henrika Johanna Sofia	City of London Corporation	Councillman	Jones Lang LaSalle (JLL)	Investor Services Marketing Manager
Pritchard	Jason Paul	City of London Corporation	Councillman	House of Commons / Community Energy London	Parliamentary Assistant / Director
Quilter	Stephen Douglas Richard David	City of London Corporation	Councillman	Interactive Brokers Group	Member
Regan	Richard David	City of London Corporation	Councillman		Part-time consultant for surgical awards (retired)
Rogula	Elizabeth	City of London Corporation	Councillman	Insurance Consultant (self-employed)	
Russell	William Anthony Bowater	City of London Corporation	Alderman	Beacon Hill Property Ltd / CDAM UK Ltd	Director / Director
Saused	James de	City of London Corporation	Councillman	Janus Henderson Investors	Director and Head of Investment Trusts
Sayed	Ruby	City of London Corporation	Councillman	Member of the Bar of England and Wales (self-employed)	
Scotland	Patricia	City of London Corporation	Alderman	UBS Limited	Non-Executive Director (and member of the Bar of England and Wales, self-employed)
Scott	John George Stewart	City of London Corporation	Councillman	Historystore Ltd	Chairman
Seaton	Ian Christopher Norman	City of London Corporation	Councillman	Lloyds of London	Underwriter
Sells	Oliver	City of London Corporation	Councillman	Member of the Bar of England & Wales (self-employed)	
Shilson	Giles Robert Evelyn	City of London Corporation	Councillman	Indie Books / Ancient & Accepted Rite	Associate Director / Chief Executive
Simons	Jeremy Lewis	City of London Corporation	Councillman	Worshipful Company of Scientific Instrument Makers / Castle Baynard Ward Club	Liveryman / Member
Sleigh	Tom	City of London Corporation	Councillman	Amazon UK	Senior Business Manager
Snyder	Michael	City of London Corporation	Councillman	Kingston Smith LLP / Metro Bank plc	Consultant / Director
Thomson	James Michael Douglas	City of London Corporation	Councillman	Keepmoat Homes / MI Gleeson plc	Non-Executive Director / Chief Executive Officer
Tomlinson	John	City of London Corporation	Councillman	Barbican Centre Board / Cripplegate Foundation	Chairman / Trustee
Tumbridge	James Richard	City of London Corporation	Councillman	Venmer Shipley / Kinetica Group of companies (five companies)	Partner / Director
Upton	William	City of London Corporation	Councillman	Chambers of Stephen Hockman QC / Upton Underwriting Ltd	Barrister / Director
Wheatley	Mark Raymond Peter Henry Delano	City of London Corporation	Councillman	Parkwell Management Consultants & Subsidiary Compeer Limited	Director
Woodhouse	Philip	City of London Corporation	Councillman	Woodhouse Carey & Browne Limited	Company Director
Wootton	David Hugh	City of London Corporation	Alderman	Local Partnership llp	Director
Yarrow	Alan Colin Drake	City of London Corporation	Alderman	Chartered Institute for Securities & Investment / Arbutnot Banking Group plc	Chairman / Director

Board Members of the Conseil économique, social et environnemental régional (CESER) Ile-de-France (1/5)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
BRIALLART	Patrick	CESER	1er collègue	U2P	ND
HILAIRE	Yann	CESER	2e collègue	CFE-CGC	ND
RUJZ	Maurice	CESER	2e collègue	CFE-CGC	ND
GOUEL	Blandine	CESER	N/A	Chargée de coordination du pôle Président/Directeur	ND
AICHI	Leila	CESER	3e collègue	Personnalité qualifiée choisie en raison de sa compétence en matière d'environnement et de développement durable	ND
ANTOINE	Philippe	CESER	2e collègue	Union régionale CFDT	ND
ARACIL	Patrick	CESER	2e collègue	Union régionale UNSA	Secrétaire général régional UNSA éducation - Secrétaire général adjoint de l'URIF UNSA
ARRIGHI	Flore	CESER	2e collègue	Union régionale CFE-CGC	ND
AYUSO	Sandrine	CESER	3e collègue	INSEERM	ND
BACHELIER	Gérad	CESER	1er collègue	CCI Paris Ile-de-France	Vice-président CCIR Paris Ile-de-France - Président CCI Versailles-Yvelines
BALAZOT	Catherine	CESER	1er collègue	CPME	ND
BARATEAU	Cécile	CESER	1er collègue	MEDEF	ND
BARILLON	Pascal	CESER	1er collègue	CRMA	ND
BARRIO	Cécile	CESER	1er collègue	CPME	ND
BEDURET	Patrice	CESER	2e collègue	Union régionale UNSA	ND
BENEFICE	Thierry	CESER	2e collègue	Union régionale CGT	ND
BENSAID-COHEN	Véronique	CESER	1er collègue	MEDEF	ND
BERGER	Eric	CESER	1er collègue	MEDEF	Président, administrateur de la FNTP
BERTAIL	René	CESER	2e collègue	Union régionale CFTC	ND
BESANCENOT	Marie-Doha	CESER	1er collègue	MEDEF	ND
BESSAC	Etienne	CESER	1er collègue	MEDEF	ND
BESSARD	Jean-Bernard	CESER	2e collègue	Union régionale FO	ND
LENGRAND	Philippe	CESER	2e collègue	Union régionale CFDT	ND
BIAUSSER	Hervé	CESER	3e collègue	Conférence des Grandes écoles	ND
BILLET	Hervé	CESER	1er collègue	Chambre régionale d'agriculture	ND
GASTAUD	Stéphanie	CESER	1er collègue	Fédération régionale des jeunes chambres économiques Associations de solidarité (Secours Catholique, Secours Populaire français, CIMADE, Croix Rouge française, ATD Quart Monde)	ND
BLANK	Marion	CESER	3e collègue		ND
BONNET	Marc	CESER	2e collègue	Union régionale FO	ND
BORDENAVE	Claire	CESER	2e collègue	Union régionale CGT	ND
BOULANGER-REJUNEN	Claude	CESER	3e collègue	Association des paralysés de France (APF) et URAPEI	Responsable conseil APF Ile-de-France - Membre du Conseil consultatif du Handicap Région IdF - vice-président CDAPH Adultes et enfance, MDPH Val de Marne
BRETON	Bernard	CESER	3e collègue	Fédération nationale de la pêche (FNPF)	Secrétaire général - Président de la Fédération de Pêche du Val-d'Oise
BRISEBARE	BRUNO	CESER	3e collègue	Fédération départementale des conseils de parents d'élèves (FCPE)	Membre du Comité régional
BRISSET	Bénédicte	CESER	3e collègue	Fondation du Patrimoine	ND
CELLIER	Jean-marc	CESER	2e collègue	Union syndicale Solidaires d'Ile-de-France	ND
CHARON	Marie-Françoise	CESER	1er collègue	Chambre régionale d'agriculture	Exploitante agricole
CHARPENTIER	Jean-Max	CESER	2e collègue	Union régionale CGT	ND
BESSARD	Christine	CESER	2e collègue	Union régionale CFTC	ND
CHAUMONT- HUYET	Isabelle	CESER	2e collègue	Union régionale CFDT	ND
CHAUVIN	Nathalie	CESER	3e collègue	Union régionale de la Mutualité Française	ND

Board Members of the Conseil économique, social et environnemental régional (CESER) Ile-de-France (2/5)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
CHEVALIER	Josiane	CESER	2e collège	Union régionale CFDT	ND
CIRIÉGI	Evelyne	CESER	3e collège	Comité régional olympique et sportif d'Ile-de-France (CROSIF)	Présidente
CLEMENT	Olivier	CESER	2e collège	Union régionale CFDT	ND
COHEN	Julie	CESER	3e collège	France Assos Santé	Présidente
COHEN	Nicolas	CESER	1er collège	France Digitale	ND
COHEN-HADAD	Bernard	CESER	1er collège	CPME	ND
COLLE	Thierry	CESER	1er collège	OPTILE	ND
HAENEL	Manuela	CESER	2e collège	Union régionale CGT	ND
COVILLE-LEVERGER	Isabelle	CESER	1er collège	MEDEF	ND
DADOU-WILLMANN	Claire	CESER	1er collège	MEDEF	ND
DALAISE	Jean-François	CESER	4e collège	Personnalité qualifiée	ND
DAUCHOT	Marion	CESER	2e collège	Union régionale CFDT	ND
DE BOULOIS	Arne-Sophie	CESER	1er collège	L2P	ND
DE LA FONCHAIS	Josiane	CESER	3e collège	Confédération générale du Logement (CGL)	ND
DE MAGNITOT	Etienne	CESER	3e collège	Personnalité qualifiée choisie en raison de sa compétence en matière d'environnement et de développement durable	ND
DE SOLZA	Clément	CESER	1er collège	Centre des jeunes dirigeants d'entreprises	ND
DE WILDE	Laurence	CESER	2e collège	Union régionale UNSA	ND
DEBAECKER	ESTELLE	CESER	3e collège	URAF	ND
DELEU	Isabelle	CESER	3e collège	CRT	ND
DELMAS	Gérard	CESER	1er collège	CCI Paris Ile-de-France	Président de la CCI du Val-de-Marne
DELMAS	Sylviane	CESER	1er collège	RATP	Inspectrice générale
DELOUIS-VERNE	Stella	CESER	2e collège	Union régionale CFDT	ND
DEPRAETER	Jean	CESER	1er collège	MEDEF Ile-de-France	Président du Gatmarif
DESAULLE	Marie-Sophie	CESER	3e collège	Etablissements hospitaliers	ND
DESINDES	Brigitte	CESER	2e collège	Union régionale CFTC	Présidente de l'UD des Yvelines
DETRY	Elisabeth	CESER	1er collège	CRMA	Présidente de la CMA de Seine et Marne
DEVAUX	Yves	CESER	3e collège	CAF	ND
DISSAT	Véronique	CESER	1er collège	L2P	ND
DOS SANTOS MALHADO	Corinne	CESER	1er collège	CCI Paris Ile-de-France	Libraire
HULJIN	Jean-Louis	CESER	1er collège	MEDEF Ile-de-France	Président de la CERC
DURIEUX	Joëlle	CESER	1er collège	Pôle de compétitivité Finance Innovation	ND
EFTYMADES	Sylvie	CESER	2e collège	Union régionale CFE-CGC	ND
ENALBERT	Jean-Pierre	CESER	4e collège	Personnalité qualifiée	ND
ETIENNE-BOUNOL	Françoise	CESER	2e collège	Union régionale FO	ND
FASOU	Solange	CESER	3e collège	Centre technique régional de la consommation	ND
FELICITE	Stéphanie	CESER	2e collège	Union régionale FO	ND
FIBLEUIL	Eric	CESER	3e collège	Union régionale de la Mutualité Française	ND
FLAM	Mireille	CESER	3e collège	Fédération des entreprises publiques locales d'Ile-de-France	Présidente d'honneur EPL Ile-de-France
FORTI	Eric	CESER	3e collège	Chambre régionale de l'économie sociale et solidaire	Président du CRESS Ile-de-France
FOURNIER	Laurence	CESER	1er collège	FRSEA	ND
FRANCOIS	Patricia	CESER	1er collège	L2P	ND

Board Members of the Conseil économique, social et environnemental régional (CESER) Ile-de-France (3/5)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
FRSULLI	Jean-Louis	CESER	2e collègue	Union syndicale Solidaires	Secrétaire régional adjoint
GANCHOU	Hélène	CESER	2e collègue	Union régionale CGT	ND
CHENU	François	CESER	2e collègue	Union régionale CFDT	ND
GARRIDO	Sarah	CESER	3e collègue	GRESS	ND
GARROUI	Yann	CESER	2e collègue	Union régionale CGT	ND
GAUTHERON	Vincent	CESER	2e collègue	Union régionale CGT	Secrétaire National de l'UGICT-CGT Membre de la Commission Exécutive Confédérale de la CGT
GBIORCZYK	Anne	CESER	3e collègue	Familles rurales	ND
GLOUX	Maud	CESER	3e collègue	CORERPA	ND
GHERDANE	Saleha	CESER	3e collègue	Personnalité qualifiée environnement et développement durable	ND
GIRARD	Michel	CESER	3e collègue	UNAFAM	ND
GIRODOT	Jean-Louis	CESER	3e collègue	GRESS	Vice-Président
BILLARD	Gisèle	CESER	1er collègue	GRAFIE	ND
HUE	Olivier	CESER	3e collègue	Protection sociale	Président de la mutualité sociétale agricole d'Ile-de-France
GREFFIN	Damien	CESER	1er collègue	Président de la Fédération régionale des syndicats d'exploitants agricoles d'Ile-de-France (FRSEA)	ND
GUILLOT	Béatrice	CESER	2e collègue	Union régionale UNSA	ND
GUILMAULT	Emmanuelle	CESER	3e collègue	Personnalité qualifiée environnement et développement durable	Directrice du Parc naturel régional du Gâtinais français
HAYAT	Bernard	CESER	2e collègue	Union régionale CFTC	ND
HIPPOCRATE	Jenny	CESER	4e collègue	NA	ND
HUARD	Irène	CESER	2e collègue	Union régionale CGT	membre délégation CGT
HUBERT	Thierry	CESER	3e collègue	FNE	ND
HUBERT	Lolita	CESER	3e collègue	UNEF	ND
COUSINARD	Catherine	CESER	1er collègue	ENGIE	ND
KHERFI	Yazid	CESER	4e collègue	Consultant en prévention urbaine et directeur de l'association Médiation Normade	Conseiller
NAILI	Hakim	CESER	2e collègue	Union régionale CGT	ND
LANTERNIER	Ugo	CESER	3e collègue	AORIF	Administrateur de l'AORIF
LAVAUD	Marc	CESER	3e collègue	CORERPA	ND
LAZARINI	Anne-Marie	CESER	3e collègue	Organismes culturels	ND
LE FRANC	Annie	CESER	2e collègue	Union régionale CFTC	Vice-présidente de l'UD du Val de Marne
LE GALL	Philippe	CESER	3e collègue	Associations de solidarité- Croix Rouge (URQOPSS)	Président Délégué régional - Croix-Rouge Française
LECFER	Alain	CESER	3e collègue	Union régionale CFDT	ND
GOMBERT	Fabrice	CESER	2e collègue	CCI Paris- Ile-de-France	ND
LEFORT	Marie-Colile	CESER	1er collègue	Union régionale CFE-CGC	Président
LEGAULT	André	CESER	2e collègue	CPME	ND
LELOUCHE	Joelle	CESER	1er collègue	NA	ND
LEMIERE	Séverine	CESER	4e collègue	Union régionale FO	ND
LEMOINE	Alice	CESER	2e collègue	Coordination rurale	ND
LEPERE	Pascal	CESER	1er collègue	MEDEF	ND
LEPOUTRE	Michèle	CESER	1er collègue	Union régionale CFDT	ND
LEPRETRE	Marie	CESER	2e collègue	EDF	Chef de file Délégation
LESCURE	Catherine	CESER	1er collègue	Union régionale CFDT	ND
HENON	Dominique	CESER	2e collègue	Union régionale CFDT	ND

Board Members of the Conseil économique, social et environnemental régional (CESER) Ile-de-France (4/5)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
LEFORT	Jacques	CESER	1er collège	MEDEF	ND
LETTY	Marion	CESER	1er collège	Syndicat des énergies renouvelables	ND
LEVEL	Daniel	CESER	4e collège	N/A	ND
LIVERANT	Alain	CESER	1er collège	CNPL	Vice-président
LUMMAUX	Amélie	CESER	1er collège	Aéroports de Paris	ND
MACHON	Naïthalie	CESER	3e collège	Etablissements publics d'enseignement supérieur et de la recherche	ND
MAGNILLAT	Naïthalie	CESER	3e collège	CNRS	ND
MARCHANT	Naïthalie	CESER	2e collège	Union régionale CGT	ND
MARGUERON	María	CESER	2e collège	UNSA	ND
MARTIN	Frédéric-Paul	CESER	2e collège	CFE-CGC	ND
MARTINEZ	Gaëlle	CESER	2e collège	Union syndicale Solidaires	ND
MAS	Serge	CESER	2e collège	Union régionale CGT	Membre du Bureau national Union fédérale des cadres Fédération des activités postales et de télécommunications
MASURE	Anne-Marie	CESER	3e collège	UFC-Que choisir	ND
MENEZ	Myriam	CESER	3e collège	Associations des parents d'élèves de l'enseignement public	ND
METAYER	Dominique	CESER	1er collège	U2P	ND
MEUDIC	Jean-Loïc	CESER	3e collège	FNAUT	ND
MOISON	Elise	CESER	3e collège	Force Femmes	ND
MONTUELLE	Carille	CESER	2e collège	Union régionale CGT	Secrétaire
MORANDI	Jean-Marc	CESER	1er collège	URSCOP	Président de l'UR des SCOP
MULLER	Valérie	CESER	1er collège	CCI Paris Ile-de-France	ND
GUINTA	Nadia	CESER	2e collège	Union régionale CGT	ND
NOEL-NORMAND	Valérie	CESER	1er collège	CNPL	ND
PACHERIE-SIMERAL	Catherine	CESER	3e collège	INRIA	ND
PAGET	François	CESER	3e collège	Associations de solidarité- Secours catholique	ND
PARIS	Joëlle	CESER	3e collège	Parents d'élèves	ND
PEROT	Jean-Jacques	CESER	2e collège	Union régional CFDT	Délégué régional CFDT
PESSIN-GARRIC	Claire	CESER	3e collège	Ligue française de l'enseignement	Présidente de l'Union Régionale Ile-de-France de la Ligue de l'enseignement
PHILIPPOT	Paul	CESER	3e collège	UNPI	ND
PICARD	Patrick	CESER	2e collège	Union régionale CGT	ND
PREVOTEAU	Pascal	CESER	2e collège	Union régionale FO	ND
PSZCZOLKOWSKI	Jocelyne	CESER	2e collège	union régionale CFE-CGC	ND
RABARDEL	Daniel	CESER	2e collège	Union régionale CFDT	Trésorier national de CFDT-Retraités
RABOURDIN	Jean-Louis	CESER	1er collège	MEDEF	ND
RAINFRAY	Lionel	CESER	3e collège	IDFA	ND
RAMAJO	Hélène	CESER	3e collège	CRAJEP	ND
RECCHIA	Céline	CESER	3e collège	MADIF	Membre du Conseil d'administration
REMOND	Denis	CESER	2e collège	Union régionale CFDT	Rapporteur permanent Contrat de plan Etat-Région
RESTINO	Dominique	CESER	1er collège	CCI Paris- Ile-de-France	ND
RIBIERE	Alain	CESER	1er collège	UDES	ND
RICHARD	Jean-Michel	CESER	1er collège	SNCF	Directeur honoraire
RIOU	Alexane	CESER	3e collège	FAGE	ND

Board Members of the Conseil économique, social et environnemental régional (CESER) Ile-de-France (5/5)

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
RIVOLLON	Catherine	CESER	1er collègue	Haropa Ports de Paris	ND
ROBIN	Christophe	CESER	1er collègue	Centre régional des Jeunes agriculteurs	ND
ROSSI-JAOUEN	Marie-José	CESER	3e collègue	FNE	ND
ROUSSEL	Gilles	CESER	3e collègue	Conférence des présidents d'université	Président de l'Université Paris-Est Marne-la-Vallée
ROUSSEL	Laurent	CESER	3e collègue	APEL	Président de l'APEL de l'académie de Créteil / Vice-président de l'APEL Ile-de-France
ROUX	Pascal	CESER	1er collègue	CCI Paris- Ile-de-France	ND
RUFFIE	Dominique	CESER	2e collègue	Union régionale FO	Secrétaire général de l'UD des Yvelines
SALA	Yannick	CESER	1er collègue	U2P	ND
SALMON	Yves	CESER	3e collègue	Personnalité qualifiée environnement et développement durable	ND
SAUVEY-CHEISSOUX	Anne	CESER	3e collègue	FNE	Administratrice
SERGEANT	Nicole	CESER	2e collègue	FSU	Conseillère du Conseil fédéral
SERRE	Nadège	CESER	1er collègue	Chambre régionale d'agriculture	ND
SIDOUN	Rémy	CESER	1er collègue	CPME	ND
STAUB	Franck	CESER	1er collègue	Confédération française des métiers d'art, de l'excellence et du luxe	Membre du Bureau de la Confédération française des Métiers d'Arts / Secrétaire général de la Fédération française des cristalleries
TAN	Huong	CESER	4e collègue	NA	ND
TERRA JORGE	Daniel	CESER	2e collègue	Union régionale CGT	ND
PLATERO	Michel	CESER	3e collègue	FNAMM	ND
THEAUDIERE	Martine	CESER	3e collègue	Fédération des acteurs de la solidarité	Présidente du Conseil d'administration de la FNARS Ile-de-France
THUJALT	Sylvia	CESER	2e collègue	Union régionale FO	ND
TINÉ	Marie-Hélène	CESER	2e collègue	Union régionale CFDT	ND
TOULAT	Dominique	CESER	3e collègue	Organismes culturels	ND
VANDECAPPELLE-SICLIS	Murielle	CESER	3e collègue	CRIFH	ND
VERDOT	Eve	CESER	3e collègue	Personnalité qualifiée environnement et développement durable	ND
GAUTHIER	Joëlle	CESER	1er collègue	Pôle de compétitivité Systematic Paris-Région	ND
VERNHES	Frédéric	CESER	1er collègue	CCI Paris- Ile-de-France	ND
VERRIER	Sandrine	CESER	2e collègue	CFE-CGC	ND
VIEILLEWARD	Corinne	CESER	1er collègue	Femmes chefs d'entreprises	ND
VILPASTEUR	Vincent	CESER	2e collègue	Union régionale FO	ND
VOTON	Joëlle	CESER	1er collègue	CRMA	ND

Board Members of Paris Région Entreprises and Paris & Co

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
MARGAIN	Franck	Paris Région Entreprises	Président, membre du bureau	Conseil régional Ile-de-France	Conseiller régional Ile-de-France
PERDEREAU	Isabelle	Paris Région Entreprises	Administrateur	Conseil régional Ile-de-France	Conseiller régional Ile-de-France
CHKROUN	Benjamin	Paris Région Entreprises	Administrateur	Conseil régional Ile-de-France	Conseiller régional Ile-de-France
KLING	Didier	Paris Région Entreprises	Membre du bureau	CCIP Ile-de-France	Président
IMBERT	Yannick	Paris Région Entreprises	Administrateur	Etat	Préfet, Secrétaire Général pour les Affaires Régionales
CAIGNART	Dominique	Paris Région Entreprises	Membre du bureau	Banque Publique d'investissement	Directeur du réseau Ile-de-France
BEYLAT	Jean-Luc	Paris Région Entreprises	Administrateur	Pôle de compétitivité Systematic Paris Region	Président
COCOJET	Patrick	Paris Région Entreprises	Membre du bureau	Pôle de compétitivité Cap Digital	Délégué général
GERMINET	François	Paris Région Entreprises	Administrateur	Université de Cergy Pontoise	Président
LEPRETRE	Marie	Paris Région Entreprises	Administrateur	CFDT	Secrétaire générale de l'Union départementale de l'Essonne
BERGER	Alain	Paris Région Entreprises	Administrateur	Ardan	Directeur général
DETILLEUX	Jean-Claude	Paris Région Entreprises	Membre du bureau	Equisol	Président
JACQUES	Daniel	Paris Région Entreprises	Membre du bureau	Kyosha	Président
LAMARQUE	Thibault	Paris Région Entreprises	Administrateur	Castalle	Président
SABIN	Pierre	Paris Région Entreprises	Administrateur	Abelles Multimedia	Président
DAIGNEY	Michel	Paris Région Entreprises	Administrateur	Banque Publique d'investissement	Responsable sectoriel chimie - environnement
OULOVSKY	Laurence	Paris Région Entreprises	Administrateur	N/A	N/A
DEBALLON	Pierre-Henri	Paris and Co	Président du Conseil d'administration	Weezevent	Président et co-fondateur
CALANDRA	Frédérique	Paris and Co		Mairie du 20e arrondissement de Paris	Maire
COURTOIS	Daniel-Georges	Paris and Co		Métropole du Grand Paris / Mairie du 15e arrondissement de Paris	Conseiller métropolitain / Elu
FROMENT (de)	Jean-Baptiste	Paris and Co	Collège de la Ville de Paris et de la Métropole du Grand Paris	Mairie de Paris / Mairie du 9e arrondissement de Paris	Conseiller de Paris / Elu
LEJONDRE	Eric	Paris and Co		Mairie du 18e arrondissement de Paris	Maire
OLLIER	Patrick	Paris and Co		Métropole du Grand Paris / Mairie de Rueil-Malmaison	Président / Maire
THOMASSIN	Sylvine	Paris and Co		Métropole du Grand Paris / Mairie de Bondy	Conseillère métropolitaine / Maire
ALBA	Dominique	Paris and Co	Collège Acteurs Institutionnels	Atelier Païsan d'Urbanisme (APUR)	Directrice générale
MENEGAUX	Corinne	Paris and Co		Office du Tourisme et des Congrès de Paris (OCTP)	Directrice générale
ARKWRIGHT	Edward	Paris and Co	Collège Acteurs Economiques et Organismes de droit privé	Aéroports de Paris	Directeur général délégué
DEBALLON	Pierre-Henri	Paris and Co		Weezevent	Président et co-fondateur
MOREY	Sandrine	Paris and Co		SEMAPA	Directrice générale

Board Members of London & Partners

SURNAME	FIRST NAME	ORGANIZATION	POSITION	COMPANY (if applicable)	POSITION IN THE COMPANY (if applicable)
Agrawal	Rajesh	London & Partners	London & Partners Board Chairman	London	Deputy Mayor of London for Business
Citron	Laura	London & Partners	London & Partners Board Member	London & Partners	Chief Executive Officer, London & Partners
Cooke	Andrew	London & Partners	London & Partners Board Member	London & Partners	Managing Director, Operations & Governance, London & Partners
Brown	Mike	London & Partners	London & Partners Board Member	Transport for London	Commissioner
Dave CBE	Sandie	London & Partners	London & Partners Board Member and Chair of the Remuneration Committee	Four Communications	Strategic Advisor
Larizadeh	Massy	London & Partners	London & Partners Board Member and Chair of the Nomination Committee	New Horizons Advisory Limited	Director
Wright	Jo	London & Partners	London & Partners Board Member and Chair of the Audit and Finance Committee	Thought Machine	Chief Financial Officer
Lechler	Robert	London & Partners	London & Partners Board Member	King's Health Partners Academic Health Services	Vice-Principal (Health) and Executive Director
McGuinness	Catherine	London & Partners	London & Partners Board Member	City of London	Chairman Policy & Resources Committee
Rajah	Tamara	London & Partners	London & Partners Board Member	Live Better With	CEO
Romanovitch	Sacha	London & Partners	London & Partners Board Member	Fair4All Finance	CEO
Taylor	Mark	London & Partners	London & Partners Board Member	Queen Elizabeth II Centre (QEII)	CEO
Kreitzman	Leah	London & Partners	London & Partners Board - Observer	London	Mayoral Director, External and International Affairs
Simons	Justine	London & Partners	London & Partners Board - Observer	London	Deputy Mayor for Culture and the Creative Industries
Johnson	Ben	London & Partners	London & Partners Board - Observer	London	Senior Advisor to the Mayor of London

Comparative Google search for a theoretical business wishing to settle in Paris or London (2019)

Google search (2019)	PARIS			LONDON		
	First result	Second result (different Website)	Paris Region Entreprises ?	First result	Second result (different Website)	London and Partners ?
"Settle business Paris / London"	https://www.welcometofrance.com/en/contact-us	https://www.entreprises.cci-paris-idf.fr/web/cdi75/doing-business-in-paris	No	https://www.business.london/invest/setting-up	https://www.businessinsider.com/city-london-post-bexit-court-financial-services-2017-11-17	Yes
Comments		Chamber of commerce				First result and only result of the first Google page referring to settlement services
"Set up business Paris / London"	http://www.eurostartentrepri ses.com/business-advice/item/21-start-a-business-in-france-in-8-steps	http://www.expatica.com/fr/employment/self-employment/setting-up-a-business-in-france-445998/	No	https://www.business.london/invest/setting-up	https://www.gov.uk/set-up-business	Yes
Comments	Refers to France and not Paris	Refers to France and not Paris				
"Business Paris / London"	https://www.paris.fr/particip ez/business	https://www.entreprises.cci-paris-idf.fr/web/cdi75/doing-business-in-paris	No	http://business.london/inves t	https://business.london/	Yes
Comments	The links does not work	Chamber of commerce				
"Start business Paris / London"	https://www.eurostartentrep rises.com/business-advice/item/21-start-a-business-in-france-in-8-steps#XSX1U0gzakUk	http://www.expatica.com/fr/employment/self-employment/setting-up-a-business-in-france-445998/	No	https://startups.co.uk/startin g-a-business-in-the-city-of-london/	https://www.gov.uk/set-up-business	Yes
Comments	Refers to France and not Paris					Seventh link on the first page
"Invest Paris / London"	https://investparis.region.eu/	https://www.concorde-invest.com/	Yes	http://business.london/inves t	https://www.bloomberglive.com/bloomberg-invest-london	Yes
Comments	We get to the Website of Paris Region Entreprises but in French (possibility of clicking on two possible translations of the page)	Insurance and real-estate company	First result			First result
"Rules to set up a company"	https://www.eurostartentrep rises.com/business-advice/item/21-start-a-business-in-france-in-8-steps#XSX1U0gzakUk	http://www.expatica.com/fr/employment/self-employment/setting-up-a-business-in-france-445998/	No	http://www.gov.uk/set-up-business	http://files.londonandpartners.com/business/resources/settling-up-business-in-london-guide-2016.pdf	Yes
Comments	Only information about France					