678,200 students
16 Universities
70 Grandes Ecoles, business and engineering schools
12 Million inhabitants
41% R&D expenditure
37.7% R&D workforce
43% innovation
40% export
51% employment
5% 3%
45% 49%
77% 9%

Paris Region
Key Figures 2018
Paris Region Key Figures 2018 lays out a panorama of the region’s economic dynamism and social life, positioning it among the leading regions in Europe and worldwide.

With its fundamental key indicators, the brochure “Paris Region Key Figures 2018” is a tool for decision and action for companies and economic stakeholders. It is useful to economic and political leaders of the region and to all those who want to have a global vision of this dynamic regional economy.

Paris Region Key Figures 2018 is a collaborative publication produced by Paris Region Entreprises, the Paris Ile-de-France Regional Chamber of Commerce and Industry and the Paris Region Urban Planning and Development Agency (IAU Ile-de-France).
PARIS REGION,  
A MAJOR GLOBAL BUSINESS HUB

Standing at the crossroads of European and worldwide trade, Paris Region is France’s leading economic region and one of the world’s foremost business hubs.

Its main assets:

• A major global region with the highest GDP in the European Union (EU28) in billions of euros: 30.3% of the French nation’s GDP and 4.5% of the EU28’s GDP, ahead of Greater London and Lombardy (Italy).

• The concentration of jobs, corporate headquarters, SMEs, technology companies, startups, world-class competitiveness clusters, foreign groups…

• Its wide range of business sectors, its deeply rooted industrial tradition, and one of the highest concentrations of activity in the science and technology sectors.

• A consumer marketplace of considerable importance: 12.1 million inhabitants in the region, 9.1 million visitors in the Region’s main conference and exhibition centers, 44.9 million tourists.

• A young and cosmopolitan population, and a highly qualified and productive workforce at competitive rates: 18.2% of France’s population, 26.4% of students in France, 23.1% of jobs in France, 35% of French executives.

• The #1 innovation hub in Europe with the highest R&D spending and the largest pool of R&D workers.

• Internationally renowned for excellence in education, science and technology (top business, engineering and specialized higher educational institutions, Fields Medals, Abel and Nobel prizes, innovative companies).

• World-class infrastructure: Europe’s second-largest airport; most efficient public transport system further reinforced by the Grand Paris development project; Europe’s number one road network; second largest European river port (70 ports, 500 km of navigable waterways); an excellent broadband communication network.

• A region in reinvention with major infrastructure and urban planning projects.

• The largest stock of commercial property in Europe, and attractive, diversified and very competitive real estate, with new office districts and business parks, as well as the opening of coworking spaces, “startup factories”…

• Global business event hub for the MICE industry (Meetings, Incentives, Conventions, Exhibitions). With 700,000 m² in exhibition space, Paris Region is an outstanding world-class destination for tradeshows and Paris is the world’s leading destination for international congresses.

• A world-class destination for tourism.
### PARIS REGION vs. FRANCE & EUROPE

<table>
<thead>
<tr>
<th>Category</th>
<th>Paris Region</th>
<th>France</th>
<th>EU28</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>12,142,802</td>
<td>18.2%</td>
<td>2.4%</td>
</tr>
<tr>
<td>Jobs</td>
<td>6,240,400</td>
<td>23.1%</td>
<td>2.9%</td>
</tr>
<tr>
<td>GDP (billion €) (2015)</td>
<td>659,796</td>
<td>30.3%</td>
<td>4.5%</td>
</tr>
<tr>
<td>R&amp;D workforce (FTE*) (2015)</td>
<td>161,659</td>
<td>37.7%</td>
<td>5.6%</td>
</tr>
<tr>
<td>R&amp;D researchers (FTE*) (2015)</td>
<td>112,477</td>
<td>40.5%</td>
<td>6.1%</td>
</tr>
<tr>
<td>R&amp;D expenditure (million €) (2015)</td>
<td>19,802</td>
<td>40.7%</td>
<td>6.6%</td>
</tr>
</tbody>
</table>

* Full Time Equivalent

Sources: INSEE, Eurostat, Ministry of Education, Higher Education and Research

### PARIS REGION IN THE EUROPEAN UNION AS OF 01.01.2018

- **Population**: 12,142,802 (Paris Region), 18.2% (EU28), 2.4% (France)
- **Jobs**: 6,240,400 (Paris Region), 23.1% (EU28), 2.9% (France)
- **GDP (billion €) (2015)**: 659,796 (Paris Region), 30.3% (EU28), 4.5% (France)
- **R&D workforce (FTE*) (2015)**: 161,659 (Paris Region), 37.7% (EU28), 5.6% (France)
- **R&D researchers (FTE*) (2015)**: 112,477 (Paris Region), 40.5% (EU28), 6.1% (France)
- **R&D expenditure (million €) (2015)**: 19,802 (Paris Region), 40.7% (EU28), 6.6% (France)

* Full Time Equivalent

### AN INTERNATIONAL REGION

- **1.6 million** foreigners (13.4% of the population) (2014)
- **111,678** foreign students in higher education, including
  - **75,137** in Paris Region’s public universities (2016-17)
  - **4,740** foreign researchers in Paris Region (2016)
  - **18.4 million** foreign visitors (2016)

- **15,100** foreign sites and **620,000** jobs,
  - **1 out of 6** jobs in Paris Region is in a foreign company (16.7%) (2013)
  - **359** foreign companies created **6,635** jobs in 2016
PARIS REGION ECONOMIC DATA

- **Surface area**: 12,012 km²
- **12.1 million inhabitants**
- **1,010 inhabitants per km²**
- **6.2 million jobs** (salaried and non-salaried)
- **Air Traffic**: 101.5 million passengers
- **678,200 students**
- **GDP**: €660b
- **GDP per capita**: €54,600
- **19 million passengers**
- **7 high-speed train stations**
- **1,054,800 companies**
- **1,395,600 sites (all activities)**
- **178,500 companies created**
- **11,500 company failures**
- **Office space**: 53.1 million m²
- **R&D jobs**: 161,700
  - incl. 112,500 researchers
- **R&D expenditure**: €19.8b
- **Imports**: €138.2b
- **Exports**: €84.3b

© Val IAF 2018
Sources: French customs, Insee (National Institute of Statistics and Economic Studies), French Ministry of Education, Higher Education and Research, IRE (Regional Observatory of Commercial Real Estate in Paris Region), Paris Aéroport, SNCF (National Railways of France)
EUROPE’S MOST POPULATED REGION

12.1 million inhabitants
18.2% of France’s population
2.4% of the European Union’s population

Europe’s most populated region ahead of Lombardy, Greater London, Andalucia, Catalonia and Auvergne-Rhône-Alpes

5 towns in Paris Region with more than 100,000 inhabitants: Paris, Boulogne-Billancourt, Saint-Denis, Argenteuil and Montreuil

(INSEE, Eurostat 12/17, data 2016)

THE 5TH WEALTHIEST POPULATION IN THE EUROPEAN UNION

TOP 5 EUROPEAN UNION REGIONS BY HOUSEHOLD INCOME
(PPS* PER CAPITA IN 2014)

Paris Region
28,500

Oberbayern
32,900

Stuttgart
29,700

Darmstadt
28,600

Hamburg
29,500

* PPS: Purchasing Power Standard
A YOUNG, DYNAMIC POPULATION

177,983 births
74,621 deaths

14.8‰: birth rate (12‰ for France)

Men's life expectancy 80.6 years (France: 79.3)

Women's life expectancy 85.6 years (France: 85.4)


(AINSEE 10/17, data as of 1/1/17 and 2015, Eurostat 1/18, data 2015, panel of regions)

55% OF PARIS REGION’S POPULATION IS UNDER 40

<table>
<thead>
<tr>
<th>Age</th>
<th>Paris Region</th>
<th>France</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>%/Total Paris Region</td>
</tr>
<tr>
<td>0-19</td>
<td>3,096,338</td>
<td>25.74%</td>
</tr>
<tr>
<td>20-39</td>
<td>3,449,408</td>
<td>28.68%</td>
</tr>
<tr>
<td>40-59</td>
<td>3,181,496</td>
<td>26.45%</td>
</tr>
<tr>
<td>60-74</td>
<td>1,490,652</td>
<td>12.40%</td>
</tr>
<tr>
<td>Over 75</td>
<td>809,670</td>
<td>6.73%</td>
</tr>
<tr>
<td></td>
<td>12,027,564</td>
<td>100%</td>
</tr>
</tbody>
</table>

Source: INSEE 6/17, data 2014

A COSMOPOLITAN POPULATION

Paris Region is like a new Babel, a place where people from all over the world live, study, work or visit.

13.4% of Paris Region’s population is foreign, i.e. 1.6 million people (1,610,803)

(INSEE, 12/17, data 2014)

46.3% come from Africa (746,098)
31.8% come from Europe (512,561)
17.3% come from Asia (278,157)
4.5% come from the Americas (72,019)
0.1% come from Oceania (1,965)

(INSEE, 12/17, data 2014)

Source: INSEE, 12/17, data 2014
EUROPE’S TOP GROWTH DOMESTIC PRODUCT

The Paris Region’s economic dynamism benefits from its position at the heart of the world economy. The Paris Region’s GDP is equivalent to that of the Netherlands, and higher than that of Sweden, Poland, Belgium or Norway.

GDP: €660 billion
30.3% of France’s GDP
4.5% of EU28 GDP
GDP per capita: €54,600
GDP per job: €105,534*


TOP 5 EUROPEAN REGIONS FOR GDP
(MILLION EUROS IN 2015)

Greater London*
585,745

Paris Region
659,796

Auvergne / Rhône-Alpes
250,087

Oberbayern
242,046

Lombardy
357,200

* Greater London = Inner London (East; West; Outer London (East and North East; West and North West; South)
A MAJOR BUSINESS HUB IN EUROPE

1,054,827 companies
(INSEE, 31.12.2015, Commercial activities, excluding agriculture)
1,395,594 sites
(INSEE, 31.12.2015, Total activities)
178,500 businesses created
(INSEE, 1/18, data 2017)
8-10 thousand startups

The primary strength of Paris Region’s economy is the concentration of jobs, corporate headquarters, SMEs/SMIs and business startups.

All of France’s very large businesses (> 1,500 employees each) have a site in the region.

Paris Region is also the top French region in terms of hosting foreign companies and it accounts for over a quarter of all new business startups in France.

EUROPE’S 2nd LEADING REGION FOR LABOR PRODUCTIVITY

PARIS REGION #1 IN EUROPE AND #3 WORLDWIDE FOR HOSTING THE WORLD’S TOP 500 CORPORATE HEADQUARTERS

Top 10 Corporate Headquarters in Paris Region - Fortune Global 500

<table>
<thead>
<tr>
<th>Company</th>
<th>Revenues in million €</th>
<th>Total workforce</th>
</tr>
</thead>
<tbody>
<tr>
<td>AXA</td>
<td>116,673</td>
<td>97,707</td>
</tr>
<tr>
<td>Total</td>
<td>103,829</td>
<td>102,168</td>
</tr>
<tr>
<td>BNP Paribas</td>
<td>88,497</td>
<td>184,839</td>
</tr>
<tr>
<td>Carrefour</td>
<td>70,624</td>
<td>384,151</td>
</tr>
<tr>
<td>Credit Agricole</td>
<td>65,066</td>
<td>70,830</td>
</tr>
<tr>
<td>Électricité de France</td>
<td>63,834</td>
<td>154,808</td>
</tr>
<tr>
<td>ENGIE</td>
<td>59,749</td>
<td>153,090</td>
</tr>
<tr>
<td>Groupe BPCE</td>
<td>57,174</td>
<td>102,827</td>
</tr>
<tr>
<td>Société Générale</td>
<td>56,215</td>
<td>151,341</td>
</tr>
<tr>
<td>PSA Peugeot Citroën</td>
<td>48,445</td>
<td>175,341</td>
</tr>
</tbody>
</table>

Source: Fortune Magazine, Global 500, July 2017 - Ranking by metropolitan regions.
Processed by Paris Region Entreprises
EUROPE’S #2 REGION FOR MAJOR FOREIGN COMPANIES

15,100 sites depending on a foreign company  
620,000 jobs, 1 out of 6 jobs in Paris Region (16.7%)

90 countries  
Main countries: USA (165,000 jobs), Germany and UK (80,000 jobs each)  
Main sectors: wholesale (132,000 jobs), industry (82,000), scientific and technical activities (75,000 jobs), information and communication activities (71,000 jobs)

2016 ARRIVALS

359 foreign companies coming from 35 countries and creating 6,635 jobs, including:  
• 187 from European groups (52%) (3,150 jobs)  
• 88 from American groups (24.5%) (2,212 jobs)  
• 63 from Asian groups (17.5%) (1,014 jobs)  
• 21 from other countries (6%) (259 jobs)

(Paris Region Entreprises)

FOREIGN DIRECT INVESTMENTS: MAIN COUNTRIES BY BUSINESS ORIGIN (2016)

TOP MAJOR PARIS REGION COMPANIES DEPENDENT ON FOREIGN GROUPS  
(BASED ON SALARIED WORKFORCE)

<table>
<thead>
<tr>
<th>Country</th>
<th>Company</th>
<th>Salaried workforce</th>
</tr>
</thead>
<tbody>
<tr>
<td>Netherlands</td>
<td>RANDSTAD</td>
<td>66,352</td>
</tr>
<tr>
<td>USA</td>
<td>EURO DISNEY ASSOCIÉS</td>
<td>15,089</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>COMPASS GROUP FRANCE</td>
<td>13,702</td>
</tr>
<tr>
<td>Sweden</td>
<td>SECURITAS FRANCE SARL</td>
<td>13,516</td>
</tr>
<tr>
<td>Canada</td>
<td>CGI FRANCE</td>
<td>9,619</td>
</tr>
<tr>
<td>Netherlands</td>
<td>MEUBLES IKEA FRANCE</td>
<td>9,401</td>
</tr>
<tr>
<td>Germany</td>
<td>METRO CASH &amp; CARRY FRANCE</td>
<td>9,103</td>
</tr>
<tr>
<td>Netherlands</td>
<td>CONFORAMA FRANCE</td>
<td>8,663</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>BRICO DEPOT</td>
<td>7,663</td>
</tr>
<tr>
<td>Belgium</td>
<td>TFN PROPRETÉ ÎLE DE FRANCE</td>
<td>7,608</td>
</tr>
<tr>
<td>Luxembourg</td>
<td>ARCELORMITTAL ATLANTIQUE ET LOURRAINE</td>
<td>7,317</td>
</tr>
<tr>
<td>USA</td>
<td>CIE IBM FRANCE</td>
<td>6,982</td>
</tr>
<tr>
<td>Sweden</td>
<td>H&amp;M HENNES &amp; MAURITZ</td>
<td>6,886</td>
</tr>
</tbody>
</table>

Source: Diane, 1/18
Paris Region’s main trading partners are Europe (exports: 58.7%, imports: 59.2%), the Americas (exports: 15.4%, imports: 11%) and Asia (exports: 14.1%, imports: 24.3%). The top 3 most exported products are indicative of the specialization of Paris Region’s industries (aeronautics, automotive, pharmaceuticals).

**Imports: €138.2b**
27.2% of France’s imports

**Main regional imports**
Automotive manufacturing products €18.6b, 13.4%
Telephones and communication equipment €8.5b, 6.1%
Pharmaceutical products €8.4b, 6%

**Exports: €84.3b**
18.6% of France’s exports

**Main regional exports**
Space and aeronautics manufacturing products €10.5b, 12.5%
Automotive manufacturing products €9.6b, 11.4%
Pharmaceutical products €6.1b, 7.2%

(French Customs, 2016)

---

**PARIS REGION’S LEADING BUSINESS PARTNERS (2016)**

<table>
<thead>
<tr>
<th>Main suppliers</th>
<th>Main customers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Imports</strong></td>
<td><strong>Exports</strong></td>
</tr>
<tr>
<td><strong>Country</strong></td>
<td><strong>Value (€ billion)</strong></td>
</tr>
<tr>
<td>China</td>
<td>18.8</td>
</tr>
<tr>
<td>Germany</td>
<td>16.7</td>
</tr>
<tr>
<td>United States</td>
<td>12.3</td>
</tr>
<tr>
<td>Belgium</td>
<td>11.4</td>
</tr>
<tr>
<td>Italy</td>
<td>9</td>
</tr>
<tr>
<td>Spain</td>
<td>8.8</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>6.3</td>
</tr>
<tr>
<td>Netherlands</td>
<td>6.1</td>
</tr>
<tr>
<td>Switzerland</td>
<td>5.1</td>
</tr>
<tr>
<td>Japan</td>
<td>3.6</td>
</tr>
<tr>
<td><strong>Total Paris Region</strong></td>
<td><strong>138.2</strong></td>
</tr>
</tbody>
</table>

Source: French Customs, 2016
A multi-specialized region

KEY SECTORS IN PARIS REGION

**Business Services**
- Accenture
- Cap Gemini
- Ernst and Young
- Gide Loyrette Nouel
- KPMG...

**Automotive, Transport, Mobility, Logistics**
- Renault
- PSA Peugeot Citroën
- Bosch
- Continental
- Faurecia
- Valeo
- Air France-KLM Group
- DHL
- FedEx
- Geodis
- Paris Aéroport
- RATP
- SNCF
- Systra
- Transdev...

**Fashion, Design, Luxury Goods**
- Cartier
- Chanel
- Hermès
- Christian Louboutin
- Kering (Gucci, Yves Saint-Laurent)
- LVMH (Louis Vuitton, Christian Dior, Guerlain...)
- L’Oréal...

**Food Industry**
- Danone
- Finatis
- Kraft Foods
- Lactalis
- Nestlé
- Pernod Ricard...

**IT**
- Apple
- Bouygues
- Facebook
- Free
- Google
- Honor
- Huawei
- Microsoft
- Motorola
- Orange
- Safran Electronics and Defense
- SAP
- Siemens
- Thales
- Vivendi
- ZTE...

**M.I.C.E.***
- Comexposium
- Reed Midem
- Viparis
- Disneyland® Paris...

**Finance, Insurance**
- BNP Paribas
- BPCE Group
- CM-CIC Group
- Crédit Agricole
- La Banque Postale
- Société Générale
- Axa
- Allianz
- CNP Assurance
- General...

**Aeronautics, Space, Defense**
- Airbus Group
- Dassault Aviation
- Safran
- Thales Group
- Arianespace
- European Space Agency
- Zodiac...

**Commerce, Retail**
- Amazon
- Carrefour
- Cora
- FNAC
- Galeries Lafayette
- H&M
- Ikea
- Marionnaud
- Metro
- Monoprix
- Printemps
- Uniqlo
- Zara...

**Life Sciences**
- AstraZeneca
- Bristol-Myers Squibb
- GlaxoSmithKline
- Guerbet
- Lilly
- Pfizer
- Roche
- Sanofi-Aventis
- Novartis...

**Hotels, Catering**
- Accor
- Club Med
- Elilor Group
- Louvre Hotels
- Lucien Barrière Group
- Marriott
- Pierre et Vacances & Center Parcs Group
- Sodexo...

**Cleantech, Energy, Smart City**
- Air Liquide
- Areva
- EDF
- ENGIE
- Schneider Electric
- Suez
- Total
- Veolia...

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* M.I.C.E.: Meetings, Incentives, Conventions, Exhibitions
Source: Paris Region Entreprises, 2018
PARIS REGION ON THE PODIUM OF GLOBAL CITIES

fDi European Regions of the Future 2018/19 (fDi Intelligence 2/18)
#1 Paris Region, #2 Dublin Region, #3 North Rhine-Westphalia.

Global Cities Index 2017 on economic performances (A.T. Kearney)
#1 New York, #2 London, #3 Paris

Global Cities Outlook 2017 on the potential of a city to attract and retain global capital, people, and ideas in coming years (A.T. Kearney)
#1 San Francisco, #2 New York, #3 Paris

Global Cities Investment monitor 2017 (KPMG – Paris Ile-de-France Capitale Economique)
International investors’ perceptions of future attractiveness.
#1 New York, #2 London, #3 Paris

Cities of Influence, Where to find the best talent (Colliers International, 5/17)
#1 London, #2 Paris, #3 Manchester

Cities of opportunity 2016 (PriceWaterhouse Coopers)
#1 London, #2 Singapore, #3 Toronto
#4 Paris, #1 for its quality of life with NY, 2nd international hub for business

VERY COMPETITIVE COSTS TO SET UP AMONG GLOBAL CITIES

OVERALL RESULTS - AVERAGE OF SERVICES AND MANUFACTURING SECTORS
10-Year Average Annual Total Location Sensitive Costs (in thousand US$)

<table>
<thead>
<tr>
<th></th>
<th>Paris</th>
<th>Tokyo</th>
<th>London</th>
<th>New York</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Investment</td>
<td>13,679</td>
<td>20,910</td>
<td>15,689</td>
<td>15,271</td>
</tr>
<tr>
<td>Rank, total investment</td>
<td>1</td>
<td>4</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Total labor</td>
<td>7,595</td>
<td>7,267</td>
<td>8,029</td>
<td>11,002</td>
</tr>
<tr>
<td>Rank, total labor</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Total transportation</td>
<td>810</td>
<td>465</td>
<td>1,010</td>
<td>854</td>
</tr>
<tr>
<td>Rank, transportation</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Total utilities</td>
<td>280</td>
<td>376</td>
<td>367</td>
<td>321</td>
</tr>
<tr>
<td>Rank, electricity</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Total operating costs</td>
<td>9,326</td>
<td>8,941</td>
<td>10,520</td>
<td>12,616</td>
</tr>
<tr>
<td>Rank, operating costs</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Total costs</td>
<td>21,849</td>
<td>22,302</td>
<td>22,741</td>
<td>24,956</td>
</tr>
<tr>
<td>Overall rank</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

Source: Competitive Alternatives, KPMG 2016, Panel of regions and criteria

PARIS 33% CHEAPER THAN LONDON (IN €)

HOUSING

<table>
<thead>
<tr>
<th></th>
<th>Paris</th>
<th>London</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average rent (monthly rent for a 3-bedroom central apartment)</td>
<td>€2,400</td>
<td>€4,400</td>
</tr>
<tr>
<td>Electricity, heating, water for a house of 85 m²</td>
<td>€178,36</td>
<td>€183,75</td>
</tr>
</tbody>
</table>

HEALTH CARE

<table>
<thead>
<tr>
<th></th>
<th>Paris</th>
<th>London</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dentist’s appointment</td>
<td>€23</td>
<td>€130</td>
</tr>
<tr>
<td>General practitioner’s appointment</td>
<td>€23</td>
<td>€108</td>
</tr>
</tbody>
</table>

TRANSPORT

<table>
<thead>
<tr>
<th></th>
<th>Paris</th>
<th>London</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 single ticket</td>
<td>€1.80</td>
<td>€3.20</td>
</tr>
<tr>
<td>Monthly pass</td>
<td>€7.50</td>
<td>€16.50</td>
</tr>
<tr>
<td>Taxi 1 km</td>
<td>€1.20</td>
<td>€3.00</td>
</tr>
</tbody>
</table>

LEISURE

<table>
<thead>
<tr>
<th></th>
<th>Paris</th>
<th>London</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly fitness club membership</td>
<td>€51</td>
<td>€61</td>
</tr>
<tr>
<td>Cinema ticket</td>
<td>€10</td>
<td>€15</td>
</tr>
</tbody>
</table>

Source: The cost of Expat, Banque populaire 2018
A HIGHLY QUALIFIED WORKFORCE

6.2 million jobs, 23.1% of all jobs in France, 35% of French executives (INSEE, 2016)

Unemployment rate: 9.2% (EUROSTAT 2016)

Average gross annual salary: €45,463 (INSEE, 1/16, data 2014)

THE PARIS REGION’S POPULATION BY PROFESSIONAL CATEGORY

<table>
<thead>
<tr>
<th>Professional Category</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managerial and highly-skilled occupations</td>
<td>1,655,473</td>
<td>27.2%</td>
</tr>
<tr>
<td>Service workers, sales &amp; admin support</td>
<td>1,624,321</td>
<td>26.7%</td>
</tr>
<tr>
<td>Skilled &amp; mid-level employees</td>
<td>1,560,222</td>
<td>25.6%</td>
</tr>
<tr>
<td>Laborers &amp; automobile drivers</td>
<td>860,713</td>
<td>14.1%</td>
</tr>
<tr>
<td>Skilled tradesmen &amp; business directors</td>
<td>287,110</td>
<td>4.7%</td>
</tr>
<tr>
<td>Farm, fishing &amp; forest operators</td>
<td>5,474</td>
<td>0.1%</td>
</tr>
<tr>
<td>Others</td>
<td>93,023</td>
<td>1.5%</td>
</tr>
<tr>
<td>Total active population 15-64 years old</td>
<td>6,086,336</td>
<td>100%</td>
</tr>
</tbody>
</table>

Source: Insee 6/17, data 2014 - Total population 15-64 years

CHARACTERISTICS OF THE WORKING POPULATION IN PARIS REGION

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ages 25-39</td>
<td>39%</td>
</tr>
<tr>
<td>Women</td>
<td>49%</td>
</tr>
<tr>
<td>University graduates</td>
<td>38.5%</td>
</tr>
<tr>
<td>Executives</td>
<td>27%</td>
</tr>
<tr>
<td>Foreign population</td>
<td>13.4%</td>
</tr>
</tbody>
</table>

Source: Insee 6/17, data 2014 - Total population 15-64 years
### SECTOR BREAKDOWN OF BUSINESS SITES AND JOBS IN PARIS REGION IN 2015

<table>
<thead>
<tr>
<th>Business sector</th>
<th>Sites</th>
<th>Jobs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade of automotive vehicles and motorcycles</td>
<td>202,981</td>
<td>711,415</td>
</tr>
<tr>
<td>Public administration</td>
<td>6,787</td>
<td>500,932</td>
</tr>
<tr>
<td>Administrative services and support activities</td>
<td>114,336</td>
<td>421,021</td>
</tr>
<tr>
<td>Education</td>
<td>53,753</td>
<td>409,185</td>
</tr>
<tr>
<td>Legal, accounting, management, architecture, engineering, technical testing and analysis</td>
<td>205,324</td>
<td>384,573</td>
</tr>
<tr>
<td>Transportation and storage</td>
<td>57,622</td>
<td>366,212</td>
</tr>
<tr>
<td>Financial and insurance activities</td>
<td>55,565</td>
<td>330,212</td>
</tr>
<tr>
<td>Accommodation and food</td>
<td>57,582</td>
<td>290,740</td>
</tr>
<tr>
<td>Construction</td>
<td>117,783</td>
<td>279,493</td>
</tr>
<tr>
<td>Activities for human health</td>
<td>82,853</td>
<td>276,857</td>
</tr>
<tr>
<td>Supportive housing and social work</td>
<td>12,350</td>
<td>223,321</td>
</tr>
<tr>
<td>Computer and information services</td>
<td>50,671</td>
<td>204,805</td>
</tr>
<tr>
<td>Other service activities</td>
<td>62,720</td>
<td>128,303</td>
</tr>
<tr>
<td>Publishing, audiovisual and broadcasting</td>
<td>30,665</td>
<td>127,204</td>
</tr>
<tr>
<td>Arts, entertainment and recreation</td>
<td>86,902</td>
<td>101,439</td>
</tr>
<tr>
<td>Other professional, scientific and technical</td>
<td>56,357</td>
<td>85,401</td>
</tr>
<tr>
<td>Real estate activities</td>
<td>82,212</td>
<td>76,620</td>
</tr>
<tr>
<td>Manufacturing of transport equipment</td>
<td>484</td>
<td>73,275</td>
</tr>
<tr>
<td>Scientific research and development</td>
<td>3,495</td>
<td>63,050</td>
</tr>
<tr>
<td>Manufacturing of food products, beverages and tobacco products</td>
<td>7,629</td>
<td>51,452</td>
</tr>
<tr>
<td>Electricity, gas, steam and air conditioning supply</td>
<td>3,439</td>
<td>46,100</td>
</tr>
<tr>
<td>Other manufacturing; repair and installation of machinery and equipment</td>
<td>10,486</td>
<td>42,898</td>
</tr>
<tr>
<td>Manufacturing of computer, electronic and optical products</td>
<td>988</td>
<td>42,107</td>
</tr>
<tr>
<td>Telecommunications</td>
<td>2,450</td>
<td>42,071</td>
</tr>
<tr>
<td>Production and distribution of water; sewerage, waste management and remediation activities</td>
<td>2,245</td>
<td>38,521</td>
</tr>
<tr>
<td>Metallurgy and metal products manufacturing, except machinery and equipment</td>
<td>2,494</td>
<td>26,514</td>
</tr>
<tr>
<td>Chemical industry</td>
<td>764</td>
<td>25,337</td>
</tr>
<tr>
<td>Manufacturing of rubber and plastic products and other non-metallic mineral products</td>
<td>1,644</td>
<td>18,449</td>
</tr>
<tr>
<td>Pharmaceutical industry</td>
<td>6,424</td>
<td>17,535</td>
</tr>
<tr>
<td>Manufacturing of textiles, clothing industry, leather and footwear industries</td>
<td>7,250</td>
<td>16,148</td>
</tr>
<tr>
<td>Woodworking, paper and printing industries</td>
<td>925</td>
<td>16,091</td>
</tr>
<tr>
<td>Manufacturing of machinery and equipment</td>
<td>193</td>
<td>15,350</td>
</tr>
<tr>
<td>Manufacturing of electrical equipment</td>
<td>636</td>
<td>13,548</td>
</tr>
<tr>
<td>Agriculture, forestry and fishing</td>
<td>7,154</td>
<td>4,936</td>
</tr>
<tr>
<td>Extra-territorial organizations</td>
<td>269</td>
<td>3,988</td>
</tr>
<tr>
<td>Coking and refining</td>
<td>23</td>
<td>2,413</td>
</tr>
<tr>
<td>Mining and quarrying</td>
<td>287</td>
<td>1,961</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1,395,594</td>
<td>5,479,477</td>
</tr>
</tbody>
</table>

Number of active establishments and salaried positions as of 31/12/2015 by business sector (A38)
©Insee 1/8/17 - Sources : Connaissance Locale de l’Appareil Productif (CLAP)
THE FRENCH EDUCATIONAL SYSTEM

The educational system is operated by the French Public Education Authority. Schooling is free, and compulsory from 6 to 16 years old in the French system. Public pre-school is available for children from 2 years old.

Primary and secondary education

<table>
<thead>
<tr>
<th>Nursery</th>
<th>Pre-school</th>
<th>Primary-school</th>
<th>Secondary-school</th>
<th>High-school</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 3 months old</td>
<td>2-5 years old</td>
<td>6-10 years old</td>
<td>11-15 years old</td>
<td>16-18 years old</td>
</tr>
</tbody>
</table>

**Higher education**

1,325,439 pupils and 1,051,983 students in primary and secondary education (public and private)

**Post A-level year**

European grades and credits (ects)

- +8
- +5
- +3
- +2
- PRO BACHELOR’S
- DUT
- LICENCE
- MASTER’S
- GRANDES EColes
- PhD

Sources: MESR (French Ministry of Higher Education and Research)

Primary and Higher education:

- BTS: Technical programs
- DUT: University Diploma of Technology
- CPGE: Class which prepares students to enter the Grandes Ecoles

A REGION FULL OF HIGHLY EDUCATED TALENTS

678,159 students (26.4% of France’s student population), including 381,080 in Paris Region’s public universities

28,055 PhD Students, 38% of French PhD Students, 45% of PhD Students in mathematics

16 Public universities

70 “Grandes Ecoles” (elite schools): Engineering and business schools

Main branches of higher education in 2017

- Bachelor’s, Master’s degree and PhD: 294,347
- Engineering schools: 39,833
- University Diploma of Technology: 17,004
- Other university diplomas, including health: 109,190
- Advanced technician programs: 44,430
- Preparatory classes for the Grandes Ecoles: 31,109
- Business schools, management and accounting: 38,863
- Paramedical and human services schools: 27,979
- Others (art, architecture, private universities, etc): 75,404

34.9% of the adult population holds at least a bachelor’s degree (2016)

(Ministry of Education, Higher Education and Research, RERS 2017, data 2016-17)
AN ATTRACTIVE REGION FOR FOREIGN TALENTS

Paris #2 best student city in the world (QS Best Student Cities, 2016)

111,678 foreign students, in Paris Region, 35% of all foreign students in French higher education

Of these, 75,137 in Paris Region's public universities, which is 20% of the region's public university students.

8,968 foreign PhD students 36% of France's PhD students

FOREIGN STUDENTS IN PARIS REGION HIGHER EDUCATION

24.5% Europe 27,380 students
41.5% Africa 46,367 students
21.7% Asia 24,248 students
10.3% The Americas 11,508 students
0.3% Oceania 0,379 students
1.6% Others 1,796 students

Source: Ministry of Education, Higher Education and Research, 2016-17

NUMEROUS OPTIONS FOR INTERNATIONAL EDUCATION

From pre-school (3-5 years old) to high school (15-18 years old), France has an extensive selection of bilingual programs and international schools open to foreign and French pupils. Diplomas: French Baccalauréat (high-school diploma) with an International option.

143 bilingual programs in 17 different languages, leading to the "International option" of France's high school graduation exam OIB, affiliated with the French public education authority. Fees are modest (€0-5,000/year).

143 BILINGUAL PROGRAMS IN 17 DIFFERENT LANGUAGES

Source: Educsol 2017

BREAKDOWN OF THE STUDENTS IN PARIS REGION'S PUBLIC UNIVERSITIES IN 2016-2017, BY FIELD OF STUDY

<table>
<thead>
<tr>
<th>Fields of study</th>
<th>Total Students</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Law, Political Science</td>
<td>56,785</td>
<td>14.90</td>
</tr>
<tr>
<td>Economics, Administration</td>
<td>46,024</td>
<td>12.08</td>
</tr>
<tr>
<td>Letters, Art, Languages, Humanities and Social Sciences</td>
<td>128,573</td>
<td>33.74</td>
</tr>
<tr>
<td>Sciences (Basic and Applied sciences / Natural and Life sciences / Interdisciplinary sciences)</td>
<td>73,416</td>
<td>19.26</td>
</tr>
<tr>
<td>Sports</td>
<td>7,359</td>
<td>1.93</td>
</tr>
<tr>
<td>Subtotal General Fields</td>
<td>312,157</td>
<td>81.91</td>
</tr>
<tr>
<td>Health sector</td>
<td>51,825</td>
<td>13.60</td>
</tr>
<tr>
<td>University Institute of Technology Fields</td>
<td>17,098</td>
<td>4.48</td>
</tr>
<tr>
<td>Grand Total</td>
<td>381,080</td>
<td>100.00</td>
</tr>
</tbody>
</table>

Source: Ministry of Education, Higher Education and Research, data 2016-17
Internationally recognized business schools, specialized schools and universities

**MBAs and Business Schools**

- **Financial Times Rankings (2017)**
  - INSEAD has the world’s best Global MBA program, ahead of Stanford Graduate School of Business, University of Pennsylvania: Wharton, Harvard Business School... Also, HEC Paris is #20
  - 2 of the Top 5 best European Business Schools: HEC Paris (#2) and INSEAD (#5)
  - 3 of the Top 10 best world’s Masters in Management: HEC Paris (#2), Essec Business School (#5), ESCP Europe (#6)
  - 4 of the Top 10 best world’s Executive MBA programs: Tsinghua University/INSEAD (#3), HEC/LSE/NYU (#5), INSEAD (#8), ESCP Europe (#10)

- The Economist Masters in Management 2017 Ranking
  - HEC Paris, world’s best Masters in Management; ESSEC Business School, #4

**Specialized schools**

- **GOBELINS**, the school of the image, best school of animation in the world (2017 Top 100 International Animation Schools)
- **Ecole 42**, best coding school of the world (CodinGame 2017)

**Universities**

- Academic Ranking of World Universities 2017
  - 3 higher education institutions in the Top 100: Pierre and Marie Curie University (#40), University of Paris-Sud (#41), Ecole Normale Superieure (#69)
  - 2 universities in the top 10 in natural sciences and mathematics ARWU (2016) : Pierre and Marie Curie University, Paris Sud University

- Times Higher Education World University Ranking 2018
  - 5 higher education institutions in the Top 200: Paris Sciences et Lettres - PSL Research University Paris (#72), École Polytechnique (#115), Pierre and Marie Curie University (#123), Paris-Sud University (#181), Paris-Sorbonne University (#196)

- QS World University Rankings: Global MBA Rankings 2018
  - INSEAD and HEC 2nd and 3rd best Global MBA in the world, the two best European Global MBAs

---

**PARIS REGION KEY FIGURES 2018**
Europe's #1 region in R&D

PARIS REGION LEADING EUROPE IN R&D (2015)

The highest amount of R&D expenditures and the largest pool of R&D workers

PARIS REGION R&D EXPENDITURE: €19.802b

- 6.6% of EU and 40.7% of French R&D expenditure
- R&D is 3% of Paris Region's GDP

Source: Ministry of Education, Higher Education and Research, data 2015

PARIS REGION R&D WORKFORCE*: 161,659

- 5.6% of EU and 37.7% of French R&D employees
- 40.5% of the researchers in France

* In Full-Time Equivalent

Source: Ministry of Education, Higher Education and Research, data 2015

PARIS REGION
EUROPE’S LARGEST POOL
OF R&D WORKERS AND RESEARCHERS


PARIS REGION (FR)

<table>
<thead>
<tr>
<th>Region</th>
<th>Total R&amp;D workforce 2015</th>
<th>Researchers 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paris Region (FR)</td>
<td>161,659</td>
<td>112,477</td>
</tr>
<tr>
<td>Oberbayern (DE)</td>
<td>73,967</td>
<td>45,732</td>
</tr>
<tr>
<td>Stuttgart (DE)</td>
<td>72,979</td>
<td>46,167</td>
</tr>
<tr>
<td>Auvergne Rhône-Alpes (FR)</td>
<td>60,467</td>
<td>37,450</td>
</tr>
<tr>
<td>Greater London (GB)</td>
<td>60,284</td>
<td>44,491</td>
</tr>
<tr>
<td>Lombardy (IT)</td>
<td>50,472</td>
<td>23,839</td>
</tr>
<tr>
<td>Comunidad de Madrid (ES)</td>
<td>47,358</td>
<td>28,202</td>
</tr>
<tr>
<td>Cataluña (ES)</td>
<td>44,826</td>
<td>26,403</td>
</tr>
</tbody>
</table>
THE PARIS REGION'S EXCELLENCE IS INTERNATIONALLY RENOWNED

31 Nobel Prizes

**Ecole Normale Superieure**, top Nobel-producing undergraduate institution in the world in 2016

11 Fields Medals and 4 Abel Prizes, the two most prestigious awards in mathematics

The highest number of people employed in the fields of science and technology in Europe (Eurostat data 2016)

26,200 enrolled in doctoral programs, 38% in France (Eurostat, data 2015)

4,740 foreign researchers in Paris Region, 46.5% of foreign researchers in France (FNAR, data 2016)

Paris, European leader and #10 in the world of the Global Innovation Index 2017 of clusters (OMPI 2017)

7,682 patents filed, i.e almost half of the patents filed in France (INPI, data 2016)

The Paris Region is the European leader, and accounts for 5.1% of all European patent applications in EU-28.

#3 region in the world in volume of papers in international journals (51,000) behind Beijing and Tokyo (Elsevier/scopus, data 2014)

Nearly 500,000 scientific publications registered in Paris Region, mainly in the fields of medical research, physics and astronomy, engineering sciences, biochemistry, genetics, and molecular biology, according to the Scopus database, between 2004 and 2014.

THE #1 EUROPEAN REGION FOR RESEARCH & DEVELOPMENT EXPENDITURE

EUROPE’S TOP 5 REGIONS BY R&D EXPENDITURE (MILLIONS OF EUROS IN 2015)

Greater London** 6,310

Paris Region 19,800

Auvergne/Rhône-Alpes* 7,000

Stuttgart 12,200

Oberbayern 10,550

* Scopus database (Elsevier) 2014

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PARIS REGION, OUR CLUSTERS FOSTER YOUR INNOVATION

9 competitiveness clusters bring together businesses, laboratories, research centers and higher education institutions to focus on applied research and to develop synergies and stimulate the emergence of technology transfers, and collaborative and innovative projects.

Over 4,300 members including: 3,600 companies and 440 labs and teaching institutions, ...
2,554 projects
€8.5b of total funding

- **Perfumery and cosmetics**
  - 490 members, incl. 45 major groups, 427 SME’s, 18 labs and teaching institutions
  - 300 projects funded since the cluster was founded
  - Total funding: 350 million euros

- **Aeronautics, space and defence**
  - 330 members, incl. 90 major groups, 155 SME’s, 55 labs and teaching institutions
  - 70 projects funded since the cluster was founded
  - Total funding: 305 million euros

- **Digital transformation**
  - 1,090 members, incl. 90 major groups, 920 SME’s, 80 labs and teaching institutions
  - 749 projects funded since the cluster was founded
  - Total funding: 1,600 million euros

- **Sustainable cities and urban ecotechnologies**
  - 260 members, incl. 10 major groups, 184 SME’s, 31 labs and teaching institutions
  - 172 projects funded since the cluster was founded
  - Total funding: 460 million euros

- **Rubber and polymer industry**
  - 129 members, incl. 11 major groups, 76 SME’s, 25 labs and teaching institutions
  - 81 projects funded since the cluster was founded
  - Total funding: 259 million euros

- **Transport and mobility**
  - 359 members, incl. 49 major groups, 226 SME’s, 39 labs and teaching institutions, 12 local authorities & institutional bodies
  - 236 projects funded since the cluster was founded
  - Total funding: 1,080 million euros

- **Financial services**
  - 500 members, incl. 160 major groups, 300 SME’s, 20 labs and teaching institutions
  - 28 projects funded since the cluster was founded
  - Total funding: 80 million euros

- **High-tech healthcare and new therapies**
  - 355 members, incl. 26 major groups, 195 SME’s, 33 labs and teaching institutions
  - 303 projects funded since the cluster was founded
  - Total funding: 1,300 million euros

- **Design, production and mastery of complex systems**
  - 830 members, incl. 150 major groups, 480 SME’s, 140 labs and teaching institutions, 20 mid-cap companies, 20 local authorities, 20 investors
  - 615 projects funded since the cluster was founded
  - Total funding: 3,104 million euros

- **Cap-digital**

- **advancy**

- **Elastopôle**

- **Move’eo**

- **Systematic**

Source: Advancity (data 2016), ASTech, Cap Digital, Cosmetic Valley, Elastopôle, Finance Innovation, Medicen, Mov’eo, Systematic (data 2017)
Europe’s largest inventory of business real estate

**OFFICE SPACE** (ORIE, BNP Paribas Real Estate, 2017)
- Surface area: 53.1 million m² (ORIE, 2016)
- Take up: 2.5 million m²
- Immediate supply: 3.5 million m²
- Vacancy rate: 6.7%
- Space under construction: 1.3 million m²

**BUSINESS PREMISES** (CBRE, Q3, 2017)
- Surface area: 30 million m²
- Take up: 1 million m²
- Immediate supply: 2.5 million m²

**PARIS REGION IS VERY COMPETITIVE ON REAL ESTATE BUSINESS COSTS**

Paris twice as cheap as London in occupancy cost

- TOP 10 OFFICE SPACE MARKETS BY OCCUPANCY COSTS (2017)

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country</th>
<th>City</th>
<th>Occupancy costs per workstation in $</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hong Kong</td>
<td>Hong Kong</td>
<td>27,432</td>
</tr>
<tr>
<td>2</td>
<td>United Kingdom</td>
<td>London</td>
<td>22,665</td>
</tr>
<tr>
<td>3</td>
<td>Japan</td>
<td>Tokyo</td>
<td>18,111</td>
</tr>
<tr>
<td>4</td>
<td>USA</td>
<td>Fairfield County, Connecticut</td>
<td>17,414</td>
</tr>
<tr>
<td>5</td>
<td>USA</td>
<td>San Francisco</td>
<td>16,205</td>
</tr>
<tr>
<td>6</td>
<td>USA</td>
<td>New York</td>
<td>15,931</td>
</tr>
<tr>
<td>7</td>
<td>USA</td>
<td>Silicon Valley</td>
<td>15,004</td>
</tr>
<tr>
<td>8</td>
<td>Switzerland</td>
<td>Geneva</td>
<td>13,424</td>
</tr>
<tr>
<td>9</td>
<td>Australia</td>
<td>Sydney</td>
<td>11,997</td>
</tr>
<tr>
<td>10</td>
<td>France</td>
<td>Paris</td>
<td>11,756</td>
</tr>
</tbody>
</table>

Source: Office Space Across the World 2017, Cushman and Wakefield

**HOUSING** (INSEE, data 2014)
- 5.6 million housing units
  - 71.8% flats (4 million)
  - 26.6% houses (1.5 million)

**PRIVATE HOUSING RENTS IN PARIS REGION**

<table>
<thead>
<tr>
<th>Source: OLAP, 2017, Average rent as at 1/1/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rent in €/m² 22.8 16.6 13.7 18</td>
</tr>
<tr>
<td>Average monthly rent in € 1,137 861 798 949</td>
</tr>
</tbody>
</table>

Source: OLAP, 2017, Average rent as at 1/1/17

PARIS REGION KEY FIGURES ♦ 2018
A MULTITUDE OF WORK SPACES

Around 1,500 business activity areas
34 business districts
Paris La Défense, 4th largest business district in the world
620 third places, comprising:
  • 171 coworking spaces
  • 146 shared offices
  • 87 fablabs
  • 216 business creation or development support sites

PARIS REGION, THE WORLD CAPITAL OF BUSINESS INCUBATORS

Over 130,000 m² of space for startup incubators and accelerators
By 2020, an additional 100,000 m² will be made available, including 34,000 m² at Station F, the world’s biggest startup campus, hosting 1,000 startups, with some 3,000 desks (as of 2017).

REINVENTING PARIS REGION

To enhance its attractiveness and competitiveness, Paris Region is undertaking major infrastructure and urban planning projects, including the Grand Paris project, the largest urban project in Europe providing a new transport network, new residential projects, office districts, and R&D hubs open to international competitions to reinvent Paris Region.

THE PARIS REGION OFFICE MARKET
PARIS REGION, YOUR GATEWAY TO EUROPE AND THE WORLD
Reach 510 million consumers within 2 hours by plane
Paris Region's high quality infrastructure ensures the seamless flow of people, goods, capital and data.

By plane (Paris Aéroport, 2017)
3 International airports
101.5 million passengers,
705,547 flights, 165 airlines
119 countries served from Paris Region

Paris-Charles de Gaulle
#2 in Europe for passenger traffic
69.5 million passengers
475,556 flights

Paris-Orly
32 million passengers
229,981 flights

Le Bourget
Europe’s leading business airport
53,000 flights

10 airfields and 1 heliport

By train (SNCF, Arafer, 2016 and Ile-de-France Mobilités)
10 main stations, including 7 TGV (high-speed train) stations
Gare du Nord, #1 European station for passenger traffic
5 railway stations have traffic that exceeds 100,000 travellers daily
19 million TGV passengers travelling from Paris to main European destinations
1,800 km of railway tracks

© Paris Region Entreprises
PARIS REGION, CONNECTED TO EUROPE AND THE WORLD
TRANSPORT AND MOBILITY

AN EFFICIENT MOBILITY SYSTEM AT REGIONAL LEVEL

Public transport
1,280 km of metro, train and tramway network
6,200 regional trains every day
14 SNCF lines, for a regional network with multiple transport options
At rush hour, more than 650 trains simultaneously.
385 stations at key points throughout the network
250 green buses (electric or gas) in circulation (2017), more than 5,000 by 2025
47 night bus lines serving 200 towns and cities

At regional level, more than 650 trains simultaneously.

4.7 BILLION TRIPS BY PUBLIC TRANSPORT IN PARIS REGION IN 2016

<table>
<thead>
<tr>
<th>Mode of traffic</th>
<th>Lines</th>
<th>Millions of trips</th>
</tr>
</thead>
<tbody>
<tr>
<td>Underground / Subway</td>
<td>16</td>
<td>1,519</td>
</tr>
<tr>
<td>Train - RER* (SNCF - RATP)</td>
<td>14</td>
<td>1,441</td>
</tr>
<tr>
<td>Tramways</td>
<td>9</td>
<td>0,287</td>
</tr>
<tr>
<td>Bus (including night buses)</td>
<td>1,500</td>
<td>1,421</td>
</tr>
<tr>
<td>Total</td>
<td>1,539</td>
<td>4,668</td>
</tr>
</tbody>
</table>

Source: Ile-de-France Mobilités d’après Optile, RATP, SNCF, OMNIL (2016)
* High-speed metro

THE GRAND PARIS PROJECT, the largest urban development project in Europe providing a new transport network

200 km of additional automated metro lines
68 new stations
2 million passengers every day
€28b invested through 2030

The project is set to link Paris Region’s three airports, as well as business districts and scientific clusters
600,000 m² of construction projects associated with the Grand Paris Express project
200,000 m² of commercial space
Over 6,100 residential projects

Source: Société du Grand Paris, 2017

Shared transport for alternative mobility

Self-service and free-floating bikes
(IAU Ile-de-France, JC Dechaux/Velib data 2007-17, Velib Metropole)

- Velib Metropole, the world’s largest self-service bicycle system (in number of bikes) since 2007
  - 105,000 uses per day (in 2017)
  - 300,000 long-term subscribers (in 2016)
  - A new operator as of 1/18: 200 new stations, an enlarged territory (68 municipalities), a new service with 30% of the fleet being electric power-assisted bicycles
- Several free-floating bike operators as of 11/17:
  - 2,000 Gobee Bikes, 500 0’Bikes, 1,000 Ofo bikes, 4,000 Mobikes in Paris City and the close suburbs

Self-service and free-floating cars and mopeds

- Autolib (2016 Annual Report)
  - 3,950 car-sharing vehicles in service
  - 1,100 Autolib stations
  - 110,000 annual subscribers and 25,000 “as-needed” subscribers
  - 5.76 million rentals in 2016, ie. 110,000 Autolib rentals per week
  - 6,300 tonnes of CO2 and 3 million liters of gas saved in 2016
  - 100 member municipalities
- 2,100 electric mopeds in free-floating (Cityscoot and COUP) in Paris City

Mode of traffic Lines Millions of trips
Underground / Subway 16 1,519
Train - RER* (SNCF - RATP) 14 1,441
Tramways 9 0,287
Bus (including night buses) 1,500 1,421
Total 1,539 4,668

Source: Île-de-France Mobilités d’après Optile, RATP, SNCF, OMNIL (2016)
**Surface area** 19 million m² (ORIE 2016)

**Take up** 550,000 m² (Q3 2017)

**Available now** 1.4 million m² (1/10/17)

Sources: BNP Paribas Real Estate, ORIE

**Significant capacity in logistics real estate**

**Warehouses** > 5,000 m²

**Road, waterway and railway logistics**

#1 road network in Europe

12,000 km of roads, including 1,300 km of highways and national roads

French #1 and Europe’s #2 river port

60 urban ports, 10 multimodal platforms

500 km of navigable waterways

1,000 ha of port areas

6 container terminals

Railway freight relies on 111 freight stations and 640 facilities connected to them

(DIRIF 2016, Haropa, 2017)

**Exceptional logistics infrastructure**

**Very competitive logistics costs**

Prime rents in Q2 2017 per year

**Warehouses** over 5,000 m² (in €)

<table>
<thead>
<tr>
<th>Location</th>
<th>Rent</th>
</tr>
</thead>
<tbody>
<tr>
<td>London (United Kingdom)</td>
<td>196</td>
</tr>
<tr>
<td>Helsinki (Finland)</td>
<td>155</td>
</tr>
<tr>
<td>Dublin (Ireland)</td>
<td>97</td>
</tr>
<tr>
<td>Stockholm (Sweden)</td>
<td>88</td>
</tr>
<tr>
<td>Munich (Germany)</td>
<td>82</td>
</tr>
<tr>
<td>Frankfurt (Germany)</td>
<td>76</td>
</tr>
<tr>
<td>Barcelona (Spain)</td>
<td>74</td>
</tr>
<tr>
<td>Madrid (Spain)</td>
<td>70</td>
</tr>
<tr>
<td>Hamburg (Germany)</td>
<td>68</td>
</tr>
<tr>
<td>Amsterdam - Rotterdam (Netherlands)</td>
<td>60</td>
</tr>
<tr>
<td>Warsaw (Poland)</td>
<td>60</td>
</tr>
<tr>
<td>Berlin (Germany)</td>
<td>59</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Paris Region (France)</th>
<th>Rent</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>56</td>
</tr>
</tbody>
</table>

Source: European Logistics Market, Property Report, H12017 (data Q2 2017) - Panel of regions - BNP Paribas Real Estate

**Freight**

Air: 2.24 million tonnes of cargo (Paris Aéroports 2016)

Paris-Charles de Gaulle Airport, #1 in Europe for cargo

Rail: 10 million tonnes of goods (estimates DREA)

Waterway: 20.2 million tonnes of goods (Haropa, 2017)

Road: 189 million tonnes of goods (SOes, TRM survey, 2016)
LOGISTICS IN PARIS REGION

FLOW OF GOODS THROUGH MAIN PORTS IN PARIS REGION

<table>
<thead>
<tr>
<th>Port</th>
<th>WATERWAY (thousand tonnes of goods)</th>
<th>CONTAINERS (TEUs*)</th>
<th>RAILWAY (thousand tonnes of goods)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gennevilliers</td>
<td>3,865</td>
<td>124,152</td>
<td>570</td>
</tr>
<tr>
<td>Limay</td>
<td>1,093</td>
<td>5,523</td>
<td>452</td>
</tr>
<tr>
<td>Bonneuil-sur-Marne</td>
<td>1,021</td>
<td>15,279</td>
<td>559</td>
</tr>
<tr>
<td>Evry</td>
<td>314</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Bruyères-sur-Oise</td>
<td>246</td>
<td>1,575</td>
<td>-</td>
</tr>
<tr>
<td>Précy-sur-Marne</td>
<td>209</td>
<td>7,836</td>
<td>-</td>
</tr>
<tr>
<td>Paris-La Bourdonnais</td>
<td>93</td>
<td>14,732</td>
<td>-</td>
</tr>
</tbody>
</table>

* Twenty-Foot Equivalent Unit
AN OUTSTANDING WORLD-CLASS DESTINATION FOR ORGANIZING TRADESHOWS (CCI PARIS ILE-DE-FRANCE, data 2016)

- **700,000 m²** of covered exhibition and conference space
- The #1 offer of exhibition space and the largest conference center in Europe with up to **35,000** participants
- **20** exhibition and conference venues
- **413** tradeshows, including **210** professional tradeshows
- **100,100** exhibiting companies, including **30,000** foreign companies (30%)
- **9.1** million visitors, including **564,400** foreigners (6.2%)
- **€4.2b** in economic benefits
- **64,400** jobs generated by tradeshows
- **€20.2b** turnover by exhibiting companies at tradeshows, of which **€9b** realized with foreign customers
- **6.3** million contracts concluded at trade fairs

### TOP 10 INTERNATIONAL TRADESHOWS HELD IN PARIS REGION (BY NUMBERS OF VISITORS AND EXHIBITING COMPANIES)

<table>
<thead>
<tr>
<th>Tradeshow Name</th>
<th>Business sector</th>
<th>Visitors (1st visit)</th>
<th>Exhibiting companies</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mondial de l’Automobile / Paris Motor Show</td>
<td>Transport, logistics, traffic and related equipment</td>
<td>1,253,513</td>
<td>240</td>
<td>2014</td>
</tr>
<tr>
<td>Salon International de l’Agriculture / Paris International Agricultural Show</td>
<td>Agriculture, horticulture, livestock farming, floristry, fishing and related equipment</td>
<td>552,207</td>
<td>905</td>
<td>2017</td>
</tr>
<tr>
<td>Foire internationale de Paris</td>
<td>Multi-sector tradeshows and trade fairs</td>
<td>542,004</td>
<td>2,129</td>
<td>2017</td>
</tr>
<tr>
<td>Salon international de l’Aéronautique et de l’Espace* / International Paris Air Show</td>
<td>Defence, civil and military security</td>
<td>322,000</td>
<td>2,381</td>
<td>2017</td>
</tr>
<tr>
<td>Salon Nautique International de Paris / Paris Boat Show</td>
<td>Tourism, sports and leisure activities</td>
<td>202,730</td>
<td>644</td>
<td>2016</td>
</tr>
<tr>
<td>Paris Games Week</td>
<td>Tourism, sports and leisure activities</td>
<td>198,791</td>
<td>162</td>
<td>2016</td>
</tr>
<tr>
<td>Maison&amp;Objet</td>
<td>Home decor, interior design, architecture and lifestyle culture</td>
<td>161, 695</td>
<td>5,602</td>
<td>2015</td>
</tr>
<tr>
<td>SIMA, Mondial des Fournisseurs de l’Agriculture et de l’Elevage / Paris International Agribusiness Show</td>
<td>Agriculture, horticulture, livestock farming, floristry, fishing and related equipment</td>
<td>123,378</td>
<td>849</td>
<td>2017</td>
</tr>
<tr>
<td>Salon du livre de Paris / Paris Book Fair</td>
<td>Art, culture, music and shows</td>
<td>110,246</td>
<td>881</td>
<td>2017</td>
</tr>
</tbody>
</table>

Source: UNIMEV, OJS, * SIAE
MEETINGS AND EXHIBITIONS

THE PARIS CONVENTION CENTER, THE LARGEST CONVENTION CENTER IN EUROPE, made-to-measure spaces for large-scale international conferences at a site 15 minutes from the Eiffel Tower, in the heart of the Paris Expo Porte de Versailles Park. It can accommodate up to 35,000 people in gigantic, fully modular spaces.

PARIS, THE WORLD'S LEADING DESTINATION FOR INTERNATIONAL CONGRESSES

OVER 1,000 CONVENTIONS PER YEAR IN PARIS REGION
(OTCP, 2016)

- 1,118 conventions in 343 venues
- 854,000 participants
- 27% were foreign visitors (230,200)
- €1.2b in economic benefits
- 20,200 jobs created by conventions

BREAKDOWN OF CONVENTIONS BY BUSINESS SECTOR IN PARIS REGION (2016)

- 38% Medical sciences
- 37% Others
- 11% Technology
- 8% Science
- 6% Economics
Among the World’s Favorite Tourist Destination

44.9 million tourists, including 18.4 million foreigners (41%)
167.6 million night stays, half the total night stays in France, including 83.4 million for international tourists (50%)
€19.2b in economic benefits,
93,000 businesses, 500,000 jobs
(CRT Paris Île-de-France, 2017, data 2016)

#1 worldwide in Hotel Capacity

156,400 rooms
61.5 million hotel night stays, half the total night stays in France, including 33.7 million for international tourists (55%)
2,460 hotels
• 1,011 3-star hotels : 41%
• 557 4- or 5-star hotels : 22.7%
10 luxury hotels
(INSEE, data as of 01.01.17, CRT Paris Île-de-France, 2017, data 2016)

Top Most Visited Tourist Sites in Paris Region (millions of visitors) (2016)

<table>
<thead>
<tr>
<th>Site</th>
<th>Visitors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disneyland® Paris</td>
<td>13.4</td>
</tr>
<tr>
<td>Notre-Dame de Paris*</td>
<td>12</td>
</tr>
<tr>
<td>Sacré Cœur de Montmartre*</td>
<td>10</td>
</tr>
<tr>
<td>Louvre Museum</td>
<td>7.4</td>
</tr>
<tr>
<td>Palace of Versailles</td>
<td>7.4</td>
</tr>
<tr>
<td>Eiffel Tower</td>
<td>5.9</td>
</tr>
<tr>
<td>Centre Pompidou</td>
<td>3.3</td>
</tr>
<tr>
<td>Musée d’Orsay</td>
<td>2.9</td>
</tr>
<tr>
<td>Cité des Sciences et de l’Industrie</td>
<td>2.2</td>
</tr>
<tr>
<td>Notre-Dame de la Médaille Miraculeuse Chapel*</td>
<td>2</td>
</tr>
<tr>
<td>National Natural History Museum</td>
<td>1.6</td>
</tr>
<tr>
<td>Arc de Triomphe</td>
<td>1.3</td>
</tr>
<tr>
<td>Army Museum</td>
<td>1.2</td>
</tr>
<tr>
<td>Grand Palais</td>
<td>1.1</td>
</tr>
<tr>
<td>Quai Branly Museum</td>
<td>1.1</td>
</tr>
<tr>
<td>Philharmonie of Paris</td>
<td>1.1</td>
</tr>
<tr>
<td>Louis Vuitton Foundation</td>
<td>1</td>
</tr>
<tr>
<td>Petit Palais</td>
<td>0.9</td>
</tr>
<tr>
<td>Sainte-Chapelle</td>
<td>0.9</td>
</tr>
<tr>
<td>Musée de l’Orangerie</td>
<td>0.8</td>
</tr>
</tbody>
</table>

Provenance of Main Foreign Tourists in Paris Region (2016)

* free admission, estimate - Source: CRT Paris Île-de-France, 2017, data 2016
AN EXCEPTIONAL CULTURAL OFFER (2017)

4,000 historic monuments
140 museums, including 3 of the world’s most visited museums: the Louvre, Centre Pompidou, Musée d’Orsay
307 cinemas, 1,073 screens
361 theatres
5 opera houses
47 foreign cultural institutes and centers (FICEP)
57.1 million people visited the top 20 Parisian cultural sites in 2016
4.7 million visitors at the 10 largest exhibitions in Paris in 2016
1/3 of the regional territory is remarkable for its built or landscape heritage
271 villages of character

TOP CULTURAL EVENTS IN PARIS REGION (BY NUMBER OF VISITORS) (2016)

<table>
<thead>
<tr>
<th>Event</th>
<th>Visitors</th>
</tr>
</thead>
<tbody>
<tr>
<td>European Heritage Days*</td>
<td>Over 12 million</td>
</tr>
<tr>
<td>Techno Parade*</td>
<td>Over 30 million</td>
</tr>
<tr>
<td>Solidays</td>
<td>200,000</td>
</tr>
<tr>
<td>Rock en Seine</td>
<td>110,000</td>
</tr>
<tr>
<td>Art Paris Air Fair</td>
<td>53,000</td>
</tr>
</tbody>
</table>

*Free admission, estimate

Source: CRT Paris Île-de-France, 2017, data 2016

4 UNESCO SITES (2017)
- Palace of Versailles
- Paris, the Banks of the River Seine
- Fontainebleau Château and Park
- Medieval City of Provins

A GREEN REGION

50% agricultural land
24% forests
23% cityscape,
1% water
4 regional nature parks representing 18% of the land area (218,000 ha)
38 Natura 2000 sites
More than 700 sites of ecological interest
13,211 ha in organic farming
Short food circuits are in place for 800 farms (16%)
95,000 ha of forest open to the public
67 sustainable neighborhoods in Paris Region
113,000 homes programmed within these accredited neighborhoods.
250,000 inhabitants of the Paris Region should eventually live in one of these exemplary neighborhoods.
A very high level of urban services (water, waste, energy...)

Source: CRT Paris Île-de-France, 2017, data 2016
GREAT DENSITY OF SPORT FACILITIES (2017)

- 19,000 sports clubs, 8,607 sports facilities
- 2.4 million sports club members
- 12 leisure resorts (3,000 hectares)
- 5,393 tennis courts, 419 swimming pools
- 620 equestrian centers, 106 golf courses


SOME OF THE MOST POPULAR SPORTING EVENTS (2016/17)

- Tour de France (cycling race): 545,000 spectators
- Roland-Garros French Open (tennis): 472,000 spectators
- Paris Marathon: 57,000 participants, 250,000 spectators
- NatWest 6 Nations Championship (rugby): 220,000 spectators
- Ice Hockey World Championship: 210,000 spectators

(CRT Paris-Ile-de-France, IRDS, 2017, data 2016)

EVENTS 2018

- UCI BMX Supercross World, March-April 2018
- Show Jumping World Cup, April 2018
- INAS European Championship, July 2018
- Gay Games, August 2018
- Golf Ryder Cup, September 2018
- Table Tennis World Cup, October 2018
- European Women’s Handball Championship, November-December 2018

PARIS 2024 OLYMPIC AND PARALYMPIC GAMES

- **Olympic Games**: July 26th - August 11th
- **Paralympic Games**: August 28th - September 8th

**VENUES**

- 95% existing or temporary facilities
- 1 sports venue to be built specifically for the Games: the Aquatics Center in Saint-Denis
- 80% of venues located within a 10 km radius of the Village
- 22 sports within a 10 km radius of the Village
- 90,000 hotel rooms within 10 km of the city center

**TRAVEL**

- 85% of athletes accommodated within 30 minutes of their competition venue
- 30% of athletes accommodated within 5 minutes of their competition venue (Stade de France and Aquatics Center)
- 100% of training venues (excluding competition venues) within 20 minutes of the Village
- 100% of venues accessible by environmentally friendly public transport
- 400 meters maximum distance to a metro station from any location in Paris

**SUSTAINABLE**

- 55% smaller carbon footprints than London 2012

(Paris2024 media)
**THE WORLD CAPITAL OF SHOPPING** (2017)

218 shopping centers, including the recently renovated Forum des Halles, Vill’Up, the Carrousel du Louvre, Beaugrenelle, Bercy Village, La Vallée Village.

The commercial center Les Quatre Temps-Le CNIT (Defense), #1 French and European shopping destination in attendance with 56.6 million visitors in 2016.

20 major department stores:
- Galeries Lafayette
- Printemps
- Le Bon Marché
- BHV, etc.

(Panorama/tradedimensions, Le guide 2017 de la distribution, IAU IdF)

### 3 PARIS REGION SHOPPING CENTERS ARE AMONG EUROPE’S TOP 10 CENTERS

<table>
<thead>
<tr>
<th>Shopping Center</th>
<th>Visitors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Les Quatre Temps/Le CNIT (La Défense, Paris Region, France)</td>
<td>56.6</td>
</tr>
<tr>
<td>Westfield Stratford (London, United Kingdom)</td>
<td>45.5</td>
</tr>
<tr>
<td>La Part-Dieu (Lyon, France)</td>
<td>35.6</td>
</tr>
<tr>
<td>Galeria Krakowska (Krakow, Poland)</td>
<td>35.0*</td>
</tr>
<tr>
<td>Forum des Halles (Paris Region, France)</td>
<td>33.9</td>
</tr>
<tr>
<td>Westfield (London, United Kingdom)</td>
<td>28.0</td>
</tr>
<tr>
<td>Hoog Catharijne (Utrecht, Netherlands)</td>
<td>26.0</td>
</tr>
<tr>
<td>Shopping City Sud (Vienna, Austria)</td>
<td>24.7</td>
</tr>
<tr>
<td>Zlote Tarasy (Warsaw, Poland)</td>
<td>21.3</td>
</tr>
<tr>
<td>Créteil Soleil (Créteil, Paris Region, France)</td>
<td>21.0</td>
</tr>
<tr>
<td>La Vaguada (Madrid, Spain)</td>
<td>20.9</td>
</tr>
</tbody>
</table>

Source: Sites commerciaux n° 271, september 2017, *2015

**GASTRONOMY EXPERIENCE** (2017)

Rungis International Market, the world’s biggest fresh produce market

9 billion euros turnover, 18 million consumers,

1,200 companies, 6,650,000 visitors

1,720,000 tonnes of food products

5,600 m² the largest organic market in Europe

“Saveurs Paris Île-de-France” a regional food brand with 1,000 products and 70 kinds of fruits and vegetables: Brie cheese from Meaux and Melun, beer from Vexin, honey and saffron from Gâtinais, asparagus from Argenteuil, Montmorency cherry, ham from Paris, etc.

Leading region in France for the production of parsley, watercress and radishes.

5,000 farms, 224 farms in organic farming

16,683 restaurants with 118,000 jobs

130 Michelin-starred restaurants, including 38% of France’s 3-Michelin-star restaurants.

(Rungis, Cervia, FAFIH, Guide Michelin)
Please do not hesitate to send us your comments and suggestions to improve this new edition: prkf@parisregionentreprises.org

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- A region in reinvention
- An excellent quality of life

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