

# Paris Region, an innovation powerhouse

The Paris Region is an exceptional land in terms of research and innovation. Its diversified economy is buzzing with top-ranked high-tech clusters and research centers, which generate exciting opportunities for cross-sector collaboration. Research and development in the Paris Region is mainly carried out by private companies which account for two thirds of total expenditure and represent more than 85% of design-research jobs.

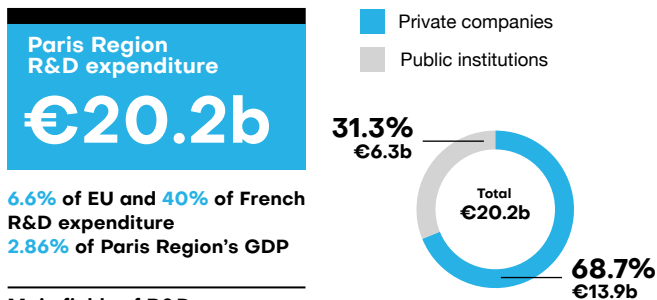


Plate-forme EVR@ – Laboratoire IBISC, Université d'Evry – Paris Saclay

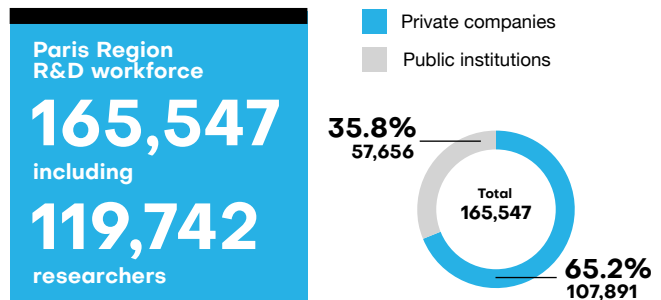
## #1 in Europe for R&D

(2017)

### The highest amount of R&D expenditure in Europe



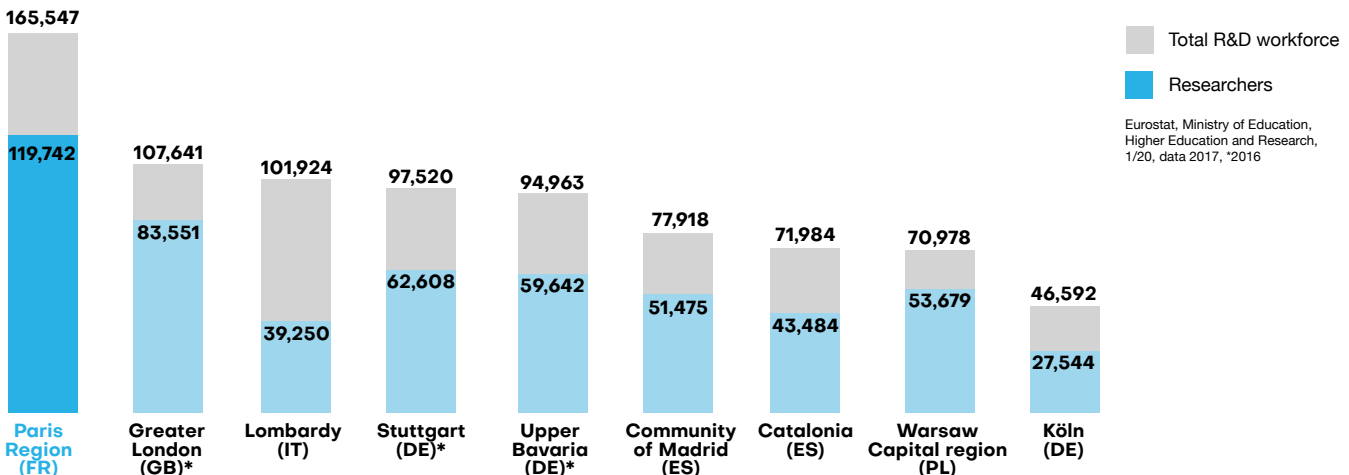
### The largest R&D talent pool in Europe



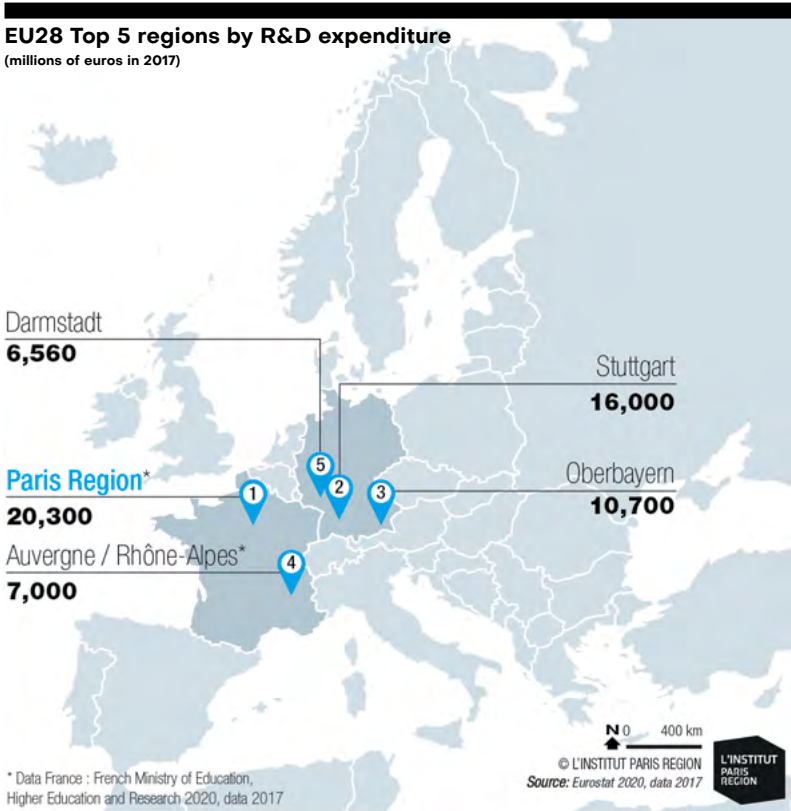
In the Region, more than two-thirds R&D expenses are made by companies

These professors, researchers, engineers, technicians and support staff work in universities, Grandes Ecoles, public institutes and companies.

## Paris Region, the best place in Europe to source R&D talent



**#1** European region for research & development expenditure



**Internationally recognized technological and scientific knowledge**

**32 Nobel Prizes**  
Ecole Normale Supérieure, top Nobel producing undergraduate institution in the world in 2016

The two most prestigious awards in mathematics

**11** Fields Medals      **4** Abel Prizes

**27,500** students enrolled in doctoral programs, i.e.

**37.4%** in France

Eurostat, data 2017

**99 doctoral schools**  
**8,238 foreign PhD students**  
Ministry of Research, 2018-19

**5,789 foreign researchers**  
**40.2% of foreign researchers in France**  
FNAK, data 2018

**Paris, European leader and #9 largest science and technology clusters in the world according to the Global Innovation Index 2019**  
OMPI, 2019

**The highest number of people employed in the fields of science and technology and scientific and engineers in Europe**  
Eurostat, data 2018

**At the forefront of innovation**

**7,687 patents filed, i.e 58.5% of the patents filed in France**  
INPI, data 2018

**Paris Region is the European leader, and accounts for 4.4% 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.**  
L'Institut Paris Region - OST

**3 of the 10 world's most innovative research institutions**

**#3 CEA Alternative Energies and Atomic Energy Commission**

**#8 CNRS National Center for Scientific Research**

**#9 INSERM National Institute of Health and Medical Research**  
The world's most innovative Research Institutions, 2019

# A thriving technological hub at the heart of Europe

The Paris Region is home to an exceptional diversity of sectors. Companies across all industries will find a hub that gathers the major players in their area of business and research. Paris Region's diversified economy is buzzing with top-ranked high-tech clusters and research centers. This unique landscape generates exciting opportunities for cross-sector collaboration. For example, combining IT and healthcare, or automotive and eco-technology.

8 regional competitiveness clusters make up this dynamic ecosystem.

4,360 members including:  
3,900 companies  
584 labs and teaching institutions, ...

Over  
**2,600**  
projects

**€9.2b**  
of total funding



**Aeronautics, space and defence**

336 members, incl.  
125 major groups,  
130 SMEs,  
49 labs and teaching institutions

73 projects funded since the cluster was founded  
Total funding:  
313 million €



**Digital & ecological transformation**

1,032 members, incl.  
86 major groups,  
850 SME's,  
75 labs and teaching institutions  
12 investments funds  
9 urban communities

810 projects funded since the cluster was founded  
Total funding:  
1,700 million €



**COSMETIC VALLEY**

**Perfumery and cosmetics**

600 members, incl.  
80 major groups,  
520 SME's,  
200 labs and teaching institutions

350 projects funded since the cluster was founded  
Total funding:  
450 million €



**Rubber and polymer industry**

138 members, incl.  
11 major groups,  
98 SME's,  
4 start-ups,  
25 labs and teaching institutions

89 projects funded since the cluster was founded  
Total funding:  
265 million €



**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 €



**High-tech healthcare and new therapies**

476 members, incl.  
34 major groups,  
400 SME's and startups  
40 labs and teaching institutions

371 projects accelerated by the cluster  
Total funding:  
2,073 million €



**Transport and mobility**

447 members, incl.  
44 major groups,  
312 SME's,  
35 labs and teaching institutions,  
14 local authorities & institutional bodies

260 projects funded since the cluster was founded  
Total funding:  
1,120 million €



**European innovation and technology cluster in digital and Deep Tech**

900 members, incl.  
150 major groups,  
600 startups / SME's / mid-cap companies,  
140 labs and teaching institutions,  
20 investors  
20 local authorities & institutional bodies

625 projects funded since the cluster was founded  
Total funding:  
Over 3.18 billion €