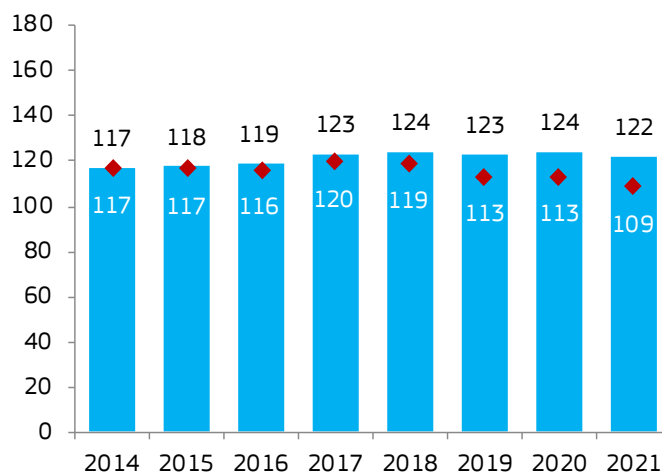




France is a Strong Innovator.

Over time, performance relative to the EU has decreased.



■ Relative to EU in base year ◆ Relative to EU in same year

Structural differences with the EU are shown in the table below including, compared to the EIS 2020, new information on different types of (innovating) enterprises (Innovation profiles) and environmental indicators.

	FR	EU
Performance and structure of the economy		
GDP per capita (PPS)	32,300	30,800
Average annual GDP growth (%)	-3.7	-2.5
Employment share Manufacturing (NACE C) (%)	11.8	16.5
of which High and Medium high-tech (%)	35.7	37.9
Employment share Services (NACE G-N) (%)	41.2	41.2
of which Knowledge-intensive services (%)	38.4	35.1
Turnover share SMEs (%)	29.1	36.5
Turnover share large enterprises (%)	52.2	45.7
Foreign-controlled enterprises – share of value added (%)	7.1	11.8
Business and entrepreneurship		
Enterprise births (10+ employees) (%)	0.5	1.0
Total Entrepreneurial Activity (TEA) (%)	5.0	6.7
FDI net inflows (% GDP)	1.8	2.0
Top R&D spending enterprises per 10 million population	16.7	16.2
Buyer sophistication (1 to 7 best)	4.1	3.7
Innovation profiles		
In-house product innovators with market novelties	20.2	10.7
In-house product innovators without market novelties	6.2	12.3
In-house business process innovators	8.9	11.0
Innovators that do not develop innovations themselves	12.0	11.6
Innovation active non-innovators	3.8	3.3
Non-innovators with potential to innovate	12.9	19.9
Non-innovators without disposition to innovate	36.0	31.3
Governance and policy framework		
Ease of starting a business (0 to 100 best)	76.5	76.5
Basic school entrepreneurial education and training	1.7	2.0
Govt. procurement of advanced tech. products	3.8	3.5
Rule of law (-2.5 to 2.5 best)	1.4	1.1
Climate change indicators		
Circular material use rate	19.5	11.7
Greenhouse gas emissions intensity of energy consumption	81.4	86.6
Eco-Innovation Index	107.0	100.0
Demography		
Population size	67.2	446.7
Average annual population growth (%)	0.2	0.1
Population density	105.9	108.8

France's strengths are in *Human resources*, *Finance and support* and *Attractive research systems*. The top-3 indicators include Foreign doctorate students, Lifelong learning, and Government support for business R&D.

The recent decline in innovation performance is due to reduced performance on Doctorate graduates, Enterprises providing ICT training, Business process innovators, Trademark and Design applications, Employment in innovative enterprises, Sales of innovative products, and Environment-related technologies.

France has an above average share of In-house product innovators with market novelties and is showing above average scores on the Climate change related indicators.

France	Relative to EU 2021 in 2021	Relative to EU 2014 in 2014	Relative to EU 2021 in 2021
SUMMARY INNOVATION INDEX	108.7	117.2	122.3
Human resources	148.6	155.3	157.5
Doctorate graduates	113.0	123.0	100.0
Population with tertiary education	155.8	169.4	200.8
Lifelong learning	187.9	194.4	206.7
Attractive research systems	116.4	139.3	131.0
International scientific co-publications	85.9	96.7	112.6
Most cited publications	89.9	103.3	88.4
Foreign doctorate students	205.2	269.3	243.7
Digitalisation	85.1	97.2	117.7
Broadband penetration	75.2	94.9	114.0
People with above basic overall digital skills	100.0	100.0	122.2
Finance and support	150.0	158.2	178.7
R&D expenditures in the public sector	98.2	100.0	94.7
Venture capital expenditures	174.1	192.7	292.8
Government support for business R&D	184.4	213.4	213.4
Firm investments	90.0	97.0	108.7
R&D expenditure in the business sector	98.6	109.4	109.4
Non-R&D Innovation expenditures	56.9	52.3	64.7
Innovation expenditures per employee	104.4	120.3	137.8
Use of information technologies	90.3	103.6	104.4
Enterprises providing ICT training	66.7	106.7	66.7
Employed ICT specialists	110.7	100.0	147.6
Innovators	105.1	118.2	143.8
Product innovators (SMEs)	114.6	101.4	161.7
Business process innovators (SMEs)	96.2	133.0	128.0
Linkages	113.5	119.0	153.0
Innovative SMEs collaborating with others	110.3	135.4	161.7
Public-private co-publications	113.0	125.2	126.7
Job-to-job mobility of HRST	116.1	102.6	166.7
Intellectual assets	83.2	90.6	72.1
PCT patent applications	119.6	118.4	103.8
Trademark applications	64.7	78.8	68.0
Design applications	70.2	77.8	48.1
Employment impacts	109.5	108.5	111.6
Employment in knowledge-intensive activities	113.4	110.7	124.0
Employment in innovative enterprises	106.4	107.0	102.7
Sales impacts	90.2	103.9	91.9
Medium and high tech goods exports	100.0	109.7	109.7
Knowledge-intensive services exports	90.9	98.3	96.3
Sales of innovative products	72.9	103.0	63.4
Environmental sustainability	114.9	113.5	119.6
Resource productivity	143.8	153.8	213.1
Air emissions by fine particulate matter	104.5	110.6	111.2
Environment-related technologies	99.8	93.1	75.0

The colours show normalised performance in 2021 relative to that of the EU in 2021: dark green: above 125%; light green: between 100% and 125%; yellow: between 70% and 100%; orange: below 70%. Normalised performance uses the data after a possible imputation of missing data and transformation of the data.