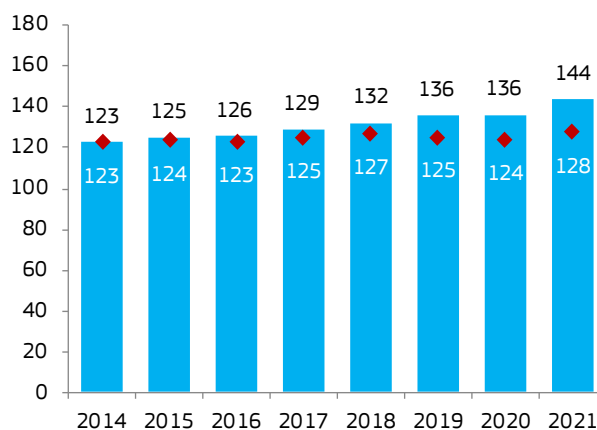




Belgium is an Innovation Leader.

Over time, performance relative to the EU has increased.



■ 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.

	BE	EU
Performance and structure of the economy		
GDP per capita (PPS)	36,400	30,800
Average annual GDP growth (%)	-2.8	-2.5
Employment share Manufacturing (NACE C) (%)	12.5	16.5
of which High and Medium high-tech (%)	36.9	37.9
Employment share Services (NACE G-N) (%)	40.8	41.2
of which Knowledge-intensive services (%)	37.1	35.1
Turnover share SMEs (%)	39.6	36.5
Turnover share large enterprises (%)	36.6	45.7
Foreign-controlled enterprises – share of value added (%)	12.6	11.8
Business and entrepreneurship		
Enterprise births (10+ employees) (%)	0.6	1.0
Total Entrepreneurial Activity (TEA) (%)	6.2	6.7
FDI net inflows (% GDP)	-7.5	2.0
Top R&D spending enterprises per 10 million population	28.8	16.2
Buyer sophistication (1 to 7 best)	4.4	3.7
Innovation profiles		
In-house product innovators with market novelties	n/a	10.7
In-house product innovators without market novelties	n/a	12.3
In-house business process innovators	n/a	11.0
Innovators that do not develop innovations themselves	n/a	11.6
Innovation active non-innovators	n/a	3.3
Non-innovators with potential to innovate	n/a	19.9
Non-innovators without disposition to innovate	n/a	31.3
Governance and policy framework		
Ease of starting a business (0 to 100 best)	74.0	76.5
Basic school entrepreneurial education and training	2.0	2.0
Govt. procurement of advanced tech. products	3.5	3.5
Rule of law (-2.5 to 2.5 best)	1.4	1.1
Climate change indicators		
Circular material use rate	22.1	11.7
Greenhouse gas emissions intensity of energy consumption	84.7	86.6
Eco-Innovation Index	85.0	100.0
Demography		
Population size	11.5	446.7
Average annual population growth (%)	0.5	0.1
Population density	375.4	108.8

Belgium's strengths are in *Attractive research systems*, *Use of information technologies*, and *Linkages*. The top-3 indicators include Foreign doctorate students, Innovative SMEs collaborating with others, and Enterprises providing ICT training.

The recent increase in innovation performance between 2020 and 2021 is due to strong performance increases in several indicators using innovation survey data, but also in Digital skills, Venture capital, and Resource productivity.

Belgium is showing above average scores on the Climate change related indicators.

Belgium	Relative to EU 2021 in 2021	Relative to EU 2014 in 2021	2021
SUMMARY INNOVATION INDEX	127.5	122.8	143.5
Human resources	115.7	114.5	122.6
Doctorate graduates	113.0	88.5	100.0
Population with tertiary education	150.6	181.0	194.2
Lifelong learning	73.7	84.4	81.1
Attractive research systems	153.4	156.6	172.7
International scientific co-publications	134.8	147.6	176.8
Most cited publications	128.4	133.2	126.2
Foreign doctorate students	223.0	217.1	264.8
Digitalisation	115.1	126.7	159.2
Broadband penetration	116.1	130.4	176.1
People with above basic overall digital skills	113.6	122.2	138.9
Finance and support	126.9	113.1	151.2
R&D expenditures in the public sector	120.0	87.7	115.8
Venture capital expenditures	115.4	109.2	194.0
Government support for business R&D	146.6	150.5	169.6
Firm investments	120.2	114.7	145.3
R&D expenditure in the business sector	141.1	121.3	156.7
Non-R&D Innovation expenditures	94.1	82.7	106.9
Innovation expenditures per employee	141.3	133.8	186.5
Use of information technologies	161.2	184.0	186.2
Enterprises providing ICT training	186.7	186.7	186.7
Employed ICT specialists	139.3	181.0	185.7
Innovators	129.8	142.0	177.5
Product innovators (SMEs)	99.4	154.2	140.2
Business process innovators (SMEs)	158.1	131.3	210.4
Linkages	157.5	194.1	212.4
Innovative SMEs collaborating with others	226.6	304.4	332.1
Public-private co-publications	184.7	180.5	207.2
Job-to-job mobility of HRST	91.1	125.6	130.8
Intellectual assets	94.6	90.6	82.0
PCT patent applications	102.1	110.7	88.6
Trademark applications	101.0	93.7	106.0
Design applications	76.6	69.8	52.5
Employment impacts	142.8	123.8	145.5
Employment in knowledge-intensive activities	125.6	132.0	137.3
Employment in innovative enterprises	156.7	118.0	151.3
Sales impacts	106.3	89.0	108.3
Medium and high tech goods exports	84.0	78.9	92.0
Knowledge-intensive services exports	108.7	103.3	115.1
Sales of innovative products	139.9	85.4	121.6
Environmental sustainability	118.5	98.0	123.4
Resource productivity	178.8	130.9	264.9
Air emissions by fine particulate matter	102.7	100.5	109.3
Environment-related technologies	76.4	75.3	57.4

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.