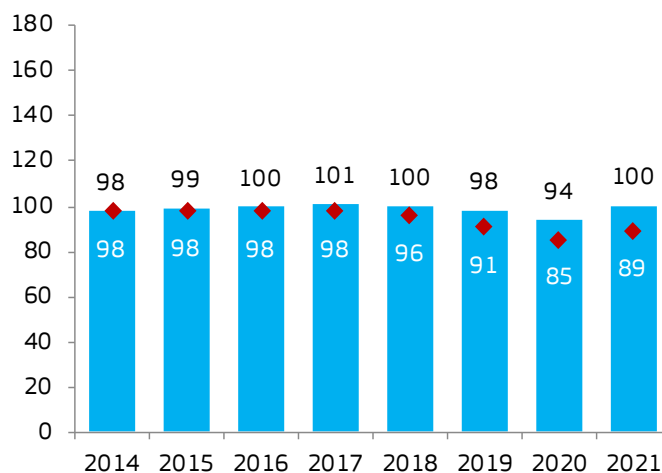



Slovenia is a Moderate Innovator.

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.

	SI	EU
Performance and structure of the economy		
GDP per capita (PPS)	26,900	30,800
Average annual GDP growth (%)	-2.0	-2.5
Employment share Manufacturing (NACE C) (%)	25.4	16.5
of which High and Medium high-tech (%)	40.7	37.9
Employment share Services (NACE G-N) (%)	36.0	41.2
of which Knowledge-intensive services (%)	36.1	35.1
Turnover share SMEs (%)	44.7	36.5
Turnover share large enterprises (%)	33.9	45.7
Foreign-controlled enterprises – share of value added (%)	14.3	11.8
Business and entrepreneurship		
Enterprise births (10+ employees) (%)	0.6	1.0
Total Entrepreneurial Activity (TEA) (%)	7.0	6.7
FDI net inflows (% GDP)	2.6	2.0
Top R&D spending enterprises per 10 million population	9.6	16.2
Buyer sophistication (1 to 7 best)	3.4	3.7
Innovation profiles		
In-house product innovators with market novelties	14.9	10.7
In-house product innovators without market novelties	12.8	12.3
In-house business process innovators	5.5	11.0
Innovators that do not develop innovations themselves	14.0	11.6
Innovation active non-innovators	1.5	3.3
Non-innovators with potential to innovate	32.9	19.9
Non-innovators without disposition to innovate	18.4	31.3
Governance and policy framework		
Ease of starting a business (0 to 100 best)	76.4	76.5
Basic school entrepreneurial education and training	2.1	2.0
Govt. procurement of advanced tech. products	2.6	3.5
Rule of law (-2.5 to 2.5 best)	1.1	1.1
Climate change indicators		
Circular material use rate	10.0	11.7
Greenhouse gas emissions intensity of energy consumption	87.8	86.6
Eco-Innovation Index	94.0	100.0
Demography		
Population size	2.1	446.7
Average annual population growth (%)	0.7	0.1
Population density	103.1	108.8

Slovenia's strengths are in *Use of information technologies*, *Linkages* and *Human resources*. The top-3 indicators include Public-private co-publications, International scientific co-publications, and Enterprises providing ICT training.

The recent performance increase is due to strong improvements for Product innovators, Venture capital, and Sales of innovative products.

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

Slovenia	Relative to EU 2021 in 2021	Relative to EU 2014 in 2014	Relative to EU 2021 in 2021
SUMMARY INNOVATION INDEX	89.3	97.6	100.5
Human resources	111.8	152.2	118.5
Doctorate graduates	100.0	180.4	88.5
Population with tertiary education	130.1	117.4	167.8
Lifelong learning	104.0	143.3	114.4
Attractive research systems	87.9	79.8	99.0
International scientific co-publications	128.7	132.0	168.8
Most cited publications	75.7	55.7	74.4
Foreign doctorate students	51.8	63.8	61.6
Digitalisation	98.7	105.1	136.5
Broadband penetration	97.8	114.0	148.3
People with above basic overall digital skills	100.0	94.4	122.2
Finance and support	60.2	107.2	71.7
R&D expenditures in the public sector	61.8	77.2	59.6
Venture capital expenditures	4.4	14.5	7.5
Government support for business R&D	115.2	213.4	133.3
Firm investments	64.0	89.6	77.4
R&D expenditure in the business sector	103.5	148.8	115.0
Non-R&D Innovation expenditures	7.6	66.9	8.6
Innovation expenditures per employee	49.6	49.0	65.5
Use of information technologies	118.5	102.2	136.9
Enterprises providing ICT training	140.0	100.0	140.0
Employed ICT specialists	100.0	104.8	133.3
Innovators	106.6	109.5	145.8
Product innovators (SMEs)	130.9	107.2	184.8
Business process innovators (SMEs)	83.9	111.6	111.6
Linkages	115.3	145.2	155.4
Innovative SMEs collaborating with others	110.9	176.7	162.5
Public-private co-publications	176.8	178.5	198.3
Job-to-job mobility of HRST	82.1	97.4	117.9
Intellectual assets	91.4	82.0	79.2
PCT patent applications	80.8	90.4	70.1
Trademark applications	118.7	93.9	124.6
Design applications	62.1	62.9	42.6
Employment impacts	99.2	103.2	101.1
Employment in knowledge-intensive activities	108.5	112.0	118.7
Employment in innovative enterprises	91.8	96.9	88.6
Sales impacts	80.8	72.3	82.3
Medium and high tech goods exports	106.3	102.6	116.5
Knowledge-intensive services exports	33.6	34.1	35.6
Sales of innovative products	106.9	77.9	93.0
Environmental sustainability	82.6	66.2	86.0
Resource productivity	90.3	82.6	133.8
Air emissions by fine particulate matter	82.2	84.3	87.4
Environment-related technologies	74.4	33.2	55.9

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.