

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.

	SK	EU
Performance and structure of the economy		
GDP per capita (PPS)	21,700	30,800
Average annual GDP growth (%)	-1.3	-2.5
Employment share Manufacturing (NACE C) (%)	24.7	16.5
of which High and Medium high-tech (%)	45.1	37.9
Employment share Services (NACE G-N) (%)	34.3	41.2
of which Knowledge-intensive services (%)	30.8	35.1
Turnover share SMEs (%)	34.9	36.5
Turnover share large enterprises (%)	42.5	45.7
Foreign-controlled enterprises – share of value added (%)	21.2	11.8
Business and entrepreneurship		
Enterprise births (10+ employees) (%)	1.5	1.0
Total Entrepreneurial Activity (TEA) (%)	12.4	6.7
FDI net inflows (% GDP)	n/a	2.0
Top R&D spending enterprises per 10 million population	0.0	16.2
Buyer sophistication (1 to 7 best)	3.0	3.7
Innovation profiles		
In-house product innovators with market novelties	5.3	10.7
In-house product innovators without market novelties	3.6	12.3
In-house business process innovators	5.5	11.0
Innovators that do not develop innovations themselves	4.5	11.6
Innovation active non-innovators	2.7	3.3
Non-innovators with potential to innovate	29.5	19.9
Non-innovators without disposition to innovate	49.0	31.3
Governance and policy framework		
Ease of starting a business (0 to 100 best)	75.4	76.5
Basic school entrepreneurial education and training	1.8	2.0
Govt. procurement of advanced tech. products	3.1	3.5
Rule of law (-2.5 to 2.5 best)	0.6	1.1
Climate change indicators		
Circular material use rate	5.4	
Greenhouse gas emissions intensity of energy consumption	83.9	86.6
Eco-Innovation Index	62.0	100.0
Demography		
Population size	5.5	446.7
Average annual population growth (%)	0.1	0.1
Population density	111.8	108.8

Slovakia's strengths are in *Environmental sustainability, Sales impacts* and *Use of information technologies*. The top-3 indicators include Environment-related technologies, Medium and high-tech goods exports, and Air emissions by fine particulate matter.

In recent years performance increases for Tertiary education, International scientific co-publications, Most-cited publications, Venture capital, Government support for business R&D, ICT specialists, and Environment-related technologies, have been offset by reduced performance for Digital skills, Enterprises providing ICT training, Design applications, and Sales of innovative products.

Slovakia has above average shares of Non-innovators and is showing below average scores on the Climate change related indicators.

Slovakia	Relative to Relative to EU		
	EU 2021 ir	!	2014 in
	2021	2014	2021
SUMMARY INNOVATION INDEX	63.1	65.1	71.0
Human resources	74.9	70.9	79.4
Doctorate graduates	87.0	111.5	77.0
Population with tertiary education	98.7	49.6	127.3
Lifelong learning	27.3	25.6	30.0
Attractive research systems	56.5	36.8	63.5
International scientific co-publications	77.1	62.4	101.1
Most cited publications	42.6	15.7	41.8
Foreign doctorate students	51.6	48.3	61.3
Digitalisation	81.2	94.7	112.3
Broadband penetration	80.8	94.9	122.5
People with above basic overall digital skills	81.8	94.4	100.0
Finance and support	25.5	31.1	30.4
R&D expenditures in the public sector	36.4	50.9	35.1
Venture capital expenditures	14.9	11.3	25.0
Government support for business R&D	24.1	17.9	27.8
Firm investments	48.2	55.6	58.2
R&D expenditure in the business sector	28.4	22.0	31.5
Non-R&D Innovation expenditures	93.0	103.5	105.7
Innovation expenditures per employee	42.1	50.6	55.6
Use of information technologies	83.8	73.8	96.8
Enterprises providing ICT training	73.3	80.0	73.3
Employed ICT specialists	92.9	66.7	123.8
Innovators	27.2	49.1	37.2
Product innovators (SMEs)	29.9	36.1	42.2
Business process innovators (SMEs)	24.6	60.6	32.8
Linkages	49.1	54.6	66.2
Innovative SMEs collaborating with others	63.1	72.9	92.4
Public-private co-publications	75.6	65.6	84.8
Job-to-job mobility of HRST	23.2	33.3	33.3
Intellectual assets	48.3	36.0	41.8
PCT patent applications	18.0	13.8	15.6
Trademark applications	75.9	59.2	79.7
Design applications	40.4	32.9	27.7
Employment impacts	46.2	44.7	47.1
Employment in knowledge-intensive activities	64.6	58.7	70.7
Employment in innovative enterprises	31.4	34.9	30.4
Sales impacts	90.5	104.9	92.2
Medium and high tech goods exports	129.7	127.4	142.2
Knowledge-intensive services exports	41.7	37.5	44.1
Sales of innovative products	96.2	155.4	83.6
Environmental sustainability	110.4	107.5	114.9
Resource productivity	73.5	77.5	108.9
Air emissions by fine particulate matter	103.3	92.9	109.9
Environment-related technologies	166.3	144.0	125.0

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.