

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.

	ME	EU
Performance and structure of the economy		
GDP per capita (PPS)	14,900	30,800
Average annual GDP growth (%)	4.9	-2.5
Employment share Manufacturing (NACE C) (%)	5.9	16.5
of which High and Medium high-tech (%)	n/a	37.9
Employment share Services (NACE G-N) (%)	48.7	41.2
of which Knowledge-intensive services (%)	28.3	35.1
Turnover share SMEs (%)	n/a	36.5
Turnover share large enterprises (%)	n/a	45.7
Foreign-controlled enterprises – share of value added (%)	n/a	11.8
Business and entrepreneurship		
Enterprise births (10+ employees) (%)	n/a	1.0
Total Entrepreneurial Activity (TEA) (%)	n/a	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)	3.2	3.7
Innovation profiles		
In-house product innovators with market novelties	10.1	10.7
In-house product innovators without market novelties	4.0	12.3
In-house business process innovators	3.8	11.0
Innovators that do not develop innovations themselves	2.3	11.6
Innovation active non-innovators	0.4	3.3
Non-innovators with potential to innovate	24.5	19.9
Non-innovators without disposition to innovate	54.9	31.3
Governance and policy framework		
Ease of starting a business (0 to 100 best)	73.8	76.5
Basic school entrepreneurial education and training	n/a	2.0
Govt. procurement of advanced tech. products	n/a	3.5
Rule of law (-2.5 to 2.5 best)	n/a	1.1
Climate change indicators		
Circular material use rate	n/a	11.7
Greenhouse gas emissions intensity of energy consumption	n/a	86.6
Demography		
Population size	0.6	446.7
Average annual population growth (%)	0.0	0.1
Population density	45.7	108.8

Montenegro's strengths are in *Innovators, Employment impacts* and *Use of information technologies.* The top-3 indicators include Product innovators, Employment in innovative enterprises, and Enterprises providing ICT training.

Performance has declined in the most recent years, mostly due to performance reductions in ICT specialists, Job-to-job mobility of HRST, PCT patent and Trademark applications, and Environment-related technologies.

Montenegro has a below average share of Innovators but a relatively large share of In-house product innovators with market novelties.

	Relative to Relative to EU			
Montenegro	EU 2021 in	201	2014 in	
	2021	2014	2021	
SUMMARY INNOVATION INDEX	47.8	46.0	53.7	
Human resources	41.3	25.7	43.8	
Doctorate graduates	4.2	0.0	3.7	
Population with tertiary education	99.4	72.7	128.1	
Lifelong learning	16.2	16.7	17.8	
Attractive research systems	70.9	57.0	79.8	
International scientific co-publications	71.9	46.8	94.3	
Most cited publications	62.6	33.0	61.5	
Foreign doctorate students	83.9	120.5	99.6	
Digitalisation	60.7	61.5	83.9	
Broadband penetration	86.0	89.4	130.4	
People with above basic overall digital skills	22.7	27.8	27.8	
Finance and support	12.1	0.0	14.4	
R&D expenditures in the public sector	21.8	0.0	21.1	
Venture capital expenditures	N/A	N/A	N/A	
Government support for business R&D	0.5	0.0	0.6	
Firm investments	15.7	18.7	18.9	
R&D expenditure in the business sector	9.9	10.2	11.0	
Non-R&D Innovation expenditures	8.8	10.0	10.0	
Innovation expenditures per employee	25.7	33.9	33.9	
Use of information technologies	78.2	74.7	90.3	
Enterprises providing ICT training	140.0	106.7	140.0	
Employed ICT specialists	25.0	38.1	33.3	
Innovators	135.3	185.2	185.2	
Product innovators (SMEs)	167.4	236.2	236.2	
Business process innovators (SMEs)	105.4	140.2	140.2	
Linkages	47.3	63.2	63.7	
Innovative SMEs collaborating with others	72.7	106.5	106.5	
Public-private co-publications	47.5	28.0	53.2	
Job-to-job mobility of HRST	28.6	59.0	41.0	
Intellectual assets	7.6	10.2	6.6	
PCT patent applications	0.0	17.6	0.0	
Trademark applications	18.3	14.0	19.2	
Design applications	0.0	0.0	0.0	
Employment impacts	114.3	107.1	116.5	
Employment in knowledge-intensive activities	75.6	60.0	82.7	
Employment in innovative enterprises	145.4	140.4	140.4	
Sales impacts	16.2	15.1	16.5	
Medium and high tech goods exports	3.6	0.0	4.0	
Knowledge-intensive services exports	2.8	3.3	3.0	
Sales of innovative products	56.4	49.0	49.0	
Environmental sustainability	0.0	0.0	0.0	
Resource productivity	N/A	N/A	N/A	
Air emissions by fine particulate matter	N/A	N/A	N/A	
Environment-related technologies	0.0	0.0	0.0	

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.