

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.

	HR	EU
Performance and structure of the economy		
GDP per capita (PPS)	19,700	30,800
Average annual GDP growth (%)	-2.2	-2.5
Employment share Manufacturing (NACE C) (%)	17.7	16.5
of which High and Medium high-tech (%)	19.8	37.9
Employment share Services (NACE G-N) (%)	40.1	41.2
of which Knowledge-intensive services (%)	31.9	35.1
Turnover share SMEs (%)	42.8	36.5
Turnover share large enterprises (%)	37.6	45.7
Foreign-controlled enterprises – share of value added (%)	13.0	11.8
Business and entrepreneurship		
Enterprise births (10+ employees) (%)	2.5	1.0
Total Entrepreneurial Activity (TEA) (%)	9.7	6.7
FDI net inflows (% GDP)	2.2	2.0
Top R&D spending enterprises per 10 million population	0.0	16.2
Buyer sophistication (1 to 7 best)	2.8	3.7
Innovation profiles		
In-house product innovators with market novelties	9.7	10.7
In-house product innovators without market novelties	13.0	12.3
In-house business process innovators	7.8	11.0
Innovators that do not develop innovations themselves	7.1	11.6
Innovation active non-innovators	0.3	3.3
Non-innovators with potential to innovate	25.3	19.9
Non-innovators without disposition to innovate	36.9	31.3
Governance and policy framework		
Ease of starting a business (0 to 100 best)	73.1	76.5
Basic school entrepreneurial education and training	1.7	2.0
Govt. procurement of advanced tech. products	2.5	3.5
Rule of law (-2.5 to 2.5 best)	0.3	1.1
Climate change indicators		
Circular material use rate	4.9	11.7
Greenhouse gas emissions intensity of energy consumption	90.3	86.6
Eco-Innovation Index	72.0	100.0
Demography		
Population size	4.1	446.7
Average annual population growth (%)	-0.6	0.1
Population density	73.3	108.8

Croatia's strengths are in *Innovators, Use of information technologies,* and *Linkages.* The top-3 indicators include Product innovators, Business process innovators, and Enterprises providing ICT training.

The strong performance increase between 2020 and 2021 is due to performance increases for several indicators using innovation survey data, Digital skills, and Venture capital.

Croatia has below average shares of In-house business process innovators and Innovators that do not develop innovations themselves. Croatia is showing below average scores on the Climate change related indicators.

Croatia	Relative to Relative to EU		
	EU 2021 i		2014 in
	2021	2014	2021
SUMMARY INNOVATION INDEX	69.5	56.7	78.2
Human resources	51.7	50.6	54.8
Doctorate graduates	48.1	54.0	42.6
Population with tertiary education	75.0	66.9	96.7
Lifelong learning	26.3	26.7	28.9
Attractive research systems	53.3	34.7	59.9
International scientific co-publications	81.9	66.7	107.4
Most cited publications	32.6	24.2	32.1
Foreign doctorate students	48.7	15.8	57.9
Digitalisation	90.6	70.2	125.4
Broadband penetration	72.2	31.6	109.5
People with above basic overall digital skills	118.2	116.7	144.4
Finance and support	50.1	34.6	59.7
R&D expenditures in the public sector	70.9	40.4	68.4
Venture capital expenditures	72.5	62.3	121.9
Government support for business R&D	3.6	7.4	4.2
Firm investments	54.1	74.1	65.4
R&D expenditure in the business sector	34.8	22.8	38.6
Non-R&D Innovation expenditures	107.0	118.7	121.6
Innovation expenditures per employee	23.8	89.3	31.5
Use of information technologies	95.8	95.2	110.7
Enterprises providing ICT training	120.0	120.0	120.0
Employed ICT specialists	75.0	66.7	100.0
Innovators	131.8	67.1	180.3
Product innovators (SMEs)	143.0	49.1	201.8
Business process innovators (SMEs)	121.3	83.0	161.3
Linkages	95.1	81.7	128.2
Innovative SMEs collaborating with others	103.2	82.4	151.2
Public-private co-publications	113.2	94.0	
Job-to-job mobility of HRST	78.6	71.8	
Intellectual assets	35.7	20.8	30.9
PCT patent applications	15.0	21.6	13.0
Trademark applications	61.8	35.7	64.8
Design applications	19.5	5.4	
Employment impacts	88.9	58.0	90.6
Employment in knowledge-intensive activities		64.0	81.3
Employment in innovative enterprises	100.6	53.7	97.1
Sales impacts	<b>50.4</b>	43.8	51.3
Medium and high tech goods exports	58.7	56.1	64.3
Knowledge-intensive services exports	• <b>-</b>	5.3	
Sales of innovative products	7.5	5.5 73.3	7.9 85.8
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Environmental sustainability	75.3	78.5	78.4
Resource productivity	79.5	81.8	117.7
Air emissions by fine particulate matter	71.8	62.1	76.3
Environment-related technologies	76.9	97.4	57.8

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.