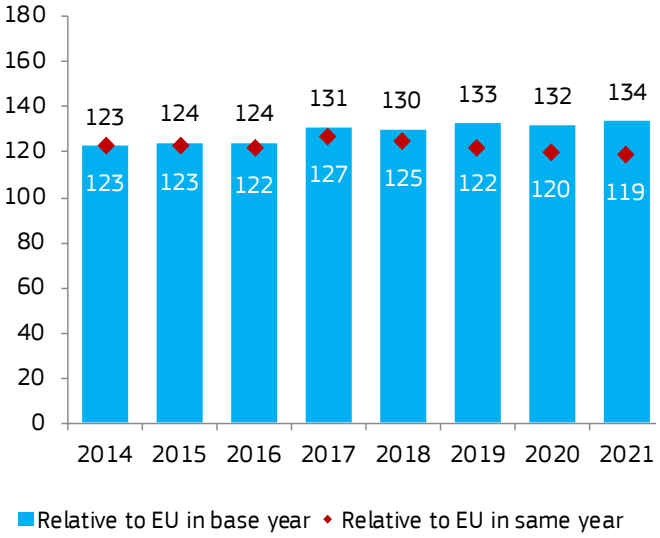
Austria is a **Strong Innovator**.
Over time, performance relative to the EU has decreased.



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.

	AT	EU
Performance and structure of the economy		
GDP per capita (PPS)	39,200	30,800
Average annual GDP growth (%)	-3.1	-2.5
Employment share Manufacturing (NACE C) (%)	15.9	16.5
of which High and Medium high-tech (%)	38.8	37.9
Employment share Services (NACE G-N) (%)	42.3	41.2
of which Knowledge-intensive services (%)	32.7	35.1
Turnover share SMEs (%)	45.1	36.5
Turnover share large enterprises (%)	33.0	45.7
Foreign-controlled enterprises – share of value added (%)	14.5	11.8
Business and entrepreneurship		
Enterprise births (10+ employees) (%)	1.2	1.0
Total Entrepreneurial Activity (TEA) (%)	10.9	6.7
FDI net inflows (% GDP)	0.1	2.0
Top R&D spending enterprises per 10 million population	36.9	16.2
Buyer sophistication (1 to 7 best)	3.8	3.7
Innovation profiles		
In-house product innovators with market novelties	21.0	10.7
In-house product innovators without market novelties	9.5	12.3
In-house business process innovators	18.6	11.0
Innovators that do not develop innovations themselves	9.7	11.6
Innovation active non-innovators	3.7	3.3
Non-innovators with potential to innovate	13.9	19.9
Non-innovators without disposition to innovate	23.5	31.3
Governance and policy framework		
Ease of starting a business (0 to 100 best)	78.7	76.5
Basic school entrepreneurial education and training	1.7	2.0
Govt. procurement of advanced tech. products	3.4	3.5
Rule of law (-2.5 to 2.5 best)	1.9	1.1
Climate change indicators		
Circular material use rate	11.5	11.7
Greenhouse gas emissions intensity of energy consumption	84.7	86.6
Eco-Innovation Index	130.0	100.0
Demography		
Population size	8.9	446.7
Average annual population growth (%)	0.4	0.1
Population density	107.2	108.8

Austria's strengths are in *Intellectual assets*, *Linkages* and *Attractive research systems*. The top-3 indicators include Public-private co-publications, Design applications, and International scientific co-publications.

The increase in performance in 2017 was due to improved performance on several of the indicators using data from the CIS 2014 innovation survey. In 2021 performance increases on Job-to-job mobility of HRST, Sales of innovative products, and Broadband penetration, have been offset by performance reductions on Non-R&D innovation expenditures and Innovative SMEs collaborating with others.

Austria 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.

Austria	Relative to EU 2021 in 2021	Relative to EU 2014 in 2014	Relative to EU 2014 in 2021
SUMMARY INNOVATION INDEX	**118.7**	**122.6**	**133.6**
Human resources	**120.6**	**118.6**	**127.8**
Doctorate graduates	113.0	100.0	100.0
Population with tertiary education	114.1	120.7	147.1
Lifelong learning	139.4	147.8	153.3
Attractive research systems	**137.8**	**133.2**	**155.1**
International scientific co-publications	143.6	150.1	188.4
Most cited publications	109.6	111.8	107.7
Foreign doctorate students	178.5	156.6	212.0
Digitalisation	**106.1**	**120.3**	**146.8**
Broadband penetration	86.0	109.5	130.4
People with above basic overall digital skills	136.4	133.3	166.7
Finance and support	**112.6**	**120.5**	**134.2**
R&D expenditures in the public sector	140.0	117.5	135.1
Venture capital expenditures	34.9	52.6	58.6
Government support for business R&D	160.8	172.2	186.0
Firm investments	**100.9**	**111.8**	**122.0**
R&D expenditure in the business sector	154.6	157.5	171.7
Non-R&D Innovation expenditures	43.0	64.4	48.9
Innovation expenditures per employee	92.5	104.2	122.1
Use of information technologies	**101.5**	**158.7**	**117.3**
Enterprises providing ICT training	86.7	193.3	86.7
Employed ICT specialists	114.3	119.0	152.4
Innovators	**138.3**	**132.1**	**189.2**
Product innovators (SMEs)	120.1	115.3	169.4
Business process innovators (SMEs)	155.4	146.9	206.7
Linkages	**146.8**	**162.7**	**197.9**
Innovative SMEs collaborating with others	133.3	185.4	195.4
Public-private co-publications	218.6	207.4	245.1
Job-to-job mobility of HRST	114.3	112.8	164.1
Intellectual assets	**157.5**	**152.1**	**136.5**
PCT patent applications	158.3	153.8	137.4
Trademark applications	136.0	135.3	142.7
Design applications	189.0	167.1	129.5
Employment impacts	**128.8**	**112.9**	**131.1**
Employment in knowledge-intensive activities	112.2	113.3	122.7
Employment in innovative enterprises	142.0	112.6	137.1
Sales impacts	**93.7**	**80.9**	**95.4**
Medium and high tech goods exports	102.8	108.2	112.7
Knowledge-intensive services exports	56.2	58.4	59.5
Sales of innovative products	132.8	72.0	115.4
Environmental sustainability	**104.5**	**108.9**	**108.8**
Resource productivity	92.3	95.4	136.8
Air emissions by fine particulate matter	120.2	117.5	127.8
Environment-related technologies	90.4	105.8	67.9

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.