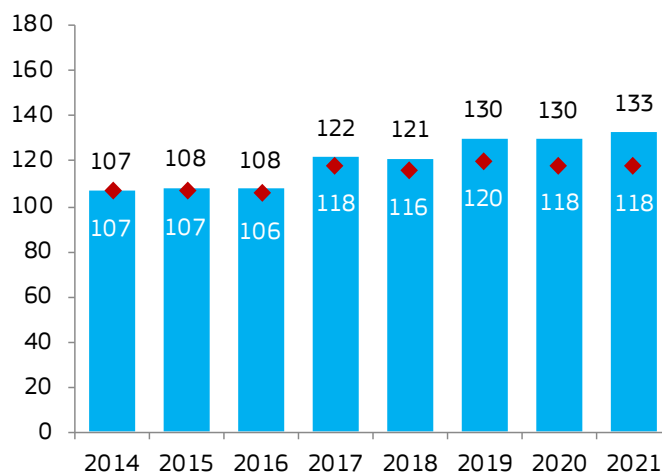




Norway is a Strong Innovator.

Over time, performance relative to the EU has increased strongly, in particular in 2017 and 2019.



■ 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.

	NO	EU
Performance and structure of the economy		
GDP per capita (PPS)	46,600	30,800
Average annual GDP growth (%)	-0.6	-2.5
Employment share Manufacturing (NACE C) (%)	12.7	16.5
of which High and Medium high-tech (%)	46.5	37.9
Employment share Services (NACE G-N) (%)	44.9	41.2
of which Knowledge-intensive services (%)	47.3	35.1
Turnover share SMEs (%)	n/a	36.5
Turnover share large enterprises (%)	n/a	45.7
Foreign-controlled enterprises – share of value added (%)	12.6	11.8
Business and entrepreneurship		
Enterprise births (10+ employees) (%)	0.2	1.0
Total Entrepreneurial Activity (TEA) (%)	8.4	6.7
FDI net inflows (% GDP)	0.6	2.0
Top R&D spending enterprises per 10 million population	6.0	16.2
Buyer sophistication (1 to 7 best)	4.4	3.7
Innovation profiles		
In-house product innovators with market novelties	n/a	10.7
In-house product innovators without market novelties	n/a	12.3
In-house business process innovators	n/a	11.0
Innovators that do not develop innovations themselves	n/a	11.6
Innovation active non-innovators	n/a	3.3
Non-innovators with potential to innovate	n/a	19.9
Non-innovators without disposition to innovate	n/a	31.3
Governance and policy framework		
Ease of starting a business (0 to 100 best)	82.7	76.5
Basic school entrepreneurial education and training	3.2	2.0
Govt. procurement of advanced tech. products	4.1	3.5
Rule of law (-2.5 to 2.5 best)	2.0	1.1
Climate change indicators		
Circular material use rate	n/a	11.7
Greenhouse gas emissions intensity of energy consumption	90.5	86.6
Demography		
Population size	5.3	446.7
Average annual population growth (%)	0.7	0.1
Population density	17.2	108.8

Norway's strengths are in *Employment impacts*, *Linkages* and *Attractive research systems*. The top-3 indicators include International scientific co-publications, Innovative SMEs collaborating with others, and Employment in knowledge-intensive activities.

The strong performance increases in 2017 and 2019 are due to improved performance for the indicators using innovation survey data. More recently performance has been decreasing, albeit at a low rate. The decrease is amongst others due to reduced performance on Venture capital and Enterprises providing ICT training.

Norway	Relative to EU 2021 in 2021	Relative to EU 2014 in 2014	Relative to EU 2021 in 2021
SUMMARY INNOVATION INDEX	118.0	106.9	132.8
Human resources	153.7	170.3	162.9
Doctorate graduates	100.0	111.5	88.5
Population with tertiary education	185.3	218.2	238.8
Lifelong learning	185.9	216.7	204.4
Attractive research systems	139.8	160.9	157.3
International scientific co-publications	179.9	171.4	236.0
Most cited publications	122.9	131.0	120.8
Foreign doctorate students	112.6	210.0	133.7
Digitalisation	129.5	149.6	179.1
Broadband penetration	88.5	89.4	134.2
People with above basic overall digital skills	190.9	222.2	233.3
Finance and support	111.4	97.2	132.7
R&D expenditures in the public sector	136.4	105.3	131.6
Venture capital expenditures	58.9	89.4	99.1
Government support for business R&D	136.4	91.7	157.8
Firm investments	75.7	54.1	91.4
R&D expenditure in the business sector	74.5	63.0	82.7
Non-R&D Innovation expenditures	68.6	30.0	78.0
Innovation expenditures per employee	79.5	64.4	104.9
Use of information technologies	125.8	190.7	145.3
Enterprises providing ICT training	126.7	220.0	126.7
Employed ICT specialists	125.0	157.1	166.7
Innovators	157.3	62.7	215.2
Product innovators (SMEs)	169.3	73.3	238.8
Business process innovators (SMEs)	146.1	53.4	194.4
Linkages	177.3	149.7	239.0
Innovative SMEs collaborating with others	237.4	88.7	347.8
Public-private co-publications	170.4	164.6	191.1
Job-to-job mobility of HRST	137.5	182.1	197.4
Intellectual assets	60.7	47.8	52.6
PCT patent applications	101.3	99.2	87.9
Trademark applications	56.9	40.7	59.8
Design applications	21.1	9.4	14.5
Employment impacts	172.4	93.9	175.6
Employment in knowledge-intensive activities	197.6	128.0	216.0
Employment in innovative enterprises	152.2	69.7	146.9
Sales impacts	58.6	48.2	59.7
Medium and high tech goods exports	0.0	0.0	0.0
Knowledge-intensive services exports	121.1	115.0	128.3
Sales of innovative products	65.1	32.1	56.6
Environmental sustainability	112.7	130.7	117.3
Resource productivity	196.1	290.4	290.4
Air emissions by fine particulate matter	79.6	72.5	84.6
Environment-related technologies	75.2	110.5	56.5

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.