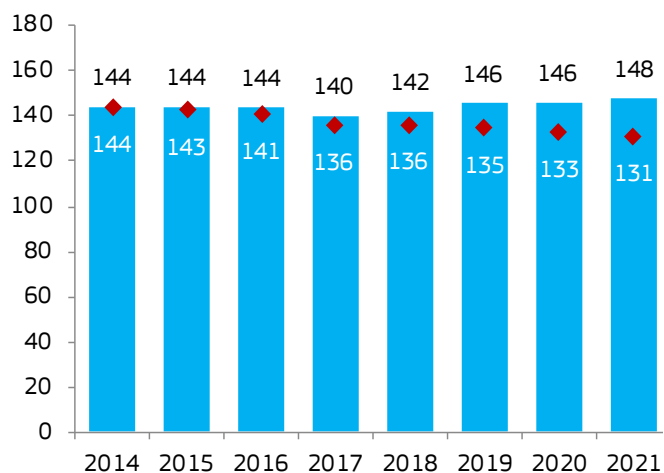


Denmark is an Innovation Leader.

Over time, performance relative to the EU has decreased.



■ 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.

	DK	EU
Performance and structure of the economy		
GDP per capita (PPS)	39,900	30,800
Average annual GDP growth (%)	-0.3	-2.5
Employment share Manufacturing (NACE C) (%)	11.2	16.5
of which High and Medium high-tech (%)	42.7	37.9
Employment share Services (NACE G-N) (%)	41.5	41.2
of which Knowledge-intensive services (%)	35.1	35.1
Turnover share SMEs (%)	n/a	36.5
Turnover share large enterprises (%)	46.3	45.7
Foreign-controlled enterprises – share of value added (%)	11.3	11.8
Business and entrepreneurship		
Enterprise births (10+ employees) (%)	0.4	1.0
Total Entrepreneurial Activity (TEA) (%)	5.5	6.7
FDI net inflows (% GDP)	1.5	2.0
Top R&D spending enterprises per 10 million population	77.0	16.2
Buyer sophistication (1 to 7 best)	3.9	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)	85.0	76.5
Basic school entrepreneurial education and training	n/a	2.0
Govt. procurement of advanced tech. products	3.5	3.5
Rule of law (-2.5 to 2.5 best)	1.9	1.1
Climate change indicators		
Circular material use rate	8.0	11.7
Greenhouse gas emissions intensity of energy consumption	69.4	86.6
Eco-Innovation Index	146.0	100.0
Demography		
Population size	5.8	446.7
Average annual population growth (%)	0.4	0.1
Population density	137.9	108.8

Denmark's strengths are in *Attractive research systems*, *Intellectual assets* and *Human resources*. The top-3 indicators include International scientific co-publications, Public-private co-publications, and Lifelong learning.

The decline in performance in the last four years is mostly due to reduced performance in Sales of innovative products and Innovation expenditures per employee. Strong performance increases are observed for Venture capital, Non-R&D innovation expenditures, and Business process innovators.

Denmark is showing above average scores on the Climate change related indicators.

Denmark	Relative to EU 2021 in 2021	Relative to EU 2014 in 2014	Relative to EU 2021 in 2021
SUMMARY INNOVATION INDEX	131.1	144.0	147.5
Human resources	174.0	192.4	184.4
Doctorate graduates	151.9	146.0	134.5
Population with tertiary education	141.7	176.9	182.6
Lifelong learning	246.5	288.9	271.1
Attractive research systems	169.0	169.4	190.2
International scientific co-publications	182.4	182.4	239.2
Most cited publications	143.5	154.3	141.1
Foreign doctorate students	194.5	184.6	231.0
Digitalisation	152.9	184.6	211.4
Broadband penetration	133.5	158.1	202.5
People with above basic overall digital skills	181.8	216.7	222.2
Finance and support	111.6	108.2	132.9
R&D expenditures in the public sector	161.8	145.6	156.1
Venture capital expenditures	126.1	132.4	212.1
Government support for business R&D	39.5	40.2	45.6
Firm investments	90.5	125.2	109.4
R&D expenditure in the business sector	125.5	149.6	139.4
Non-R&D Innovation expenditures	62.0	51.6	70.4
Innovation expenditures per employee	36.0	159.5	47.6
Use of information technologies	155.8	177.8	180.0
Enterprises providing ICT training	166.7	166.7	166.7
Employed ICT specialists	146.4	190.5	195.2
Innovators	119.2	105.0	163.2
Product innovators (SMEs)	113.4	104.9	160.0
Business process innovators (SMEs)	124.7	105.1	165.9
Linkages	169.1	224.0	228.0
Innovative SMEs collaborating with others	115.4	172.3	169.1
Public-private co-publications	258.9	243.7	290.3
Job-to-job mobility of HRST	155.4	246.2	223.1
Intellectual assets	176.4	151.5	152.9
PCT patent applications	197.1	183.4	171.1
Trademark applications	122.8	115.1	128.9
Design applications	233.9	159.2	160.3
Employment impacts	119.0	105.0	121.2
Employment in knowledge-intensive activities	124.4	126.7	136.0
Employment in innovative enterprises	114.7	89.7	110.7
Sales impacts	75.3	102.2	76.7
Medium and high tech goods exports	86.5	72.4	94.8
Knowledge-intensive services exports	114.5	131.7	121.3
Sales of innovative products	0.0	106.3	0.0
Environmental sustainability	130.7	132.1	136.0
Resource productivity	63.6	73.8	94.2
Air emissions by fine particulate matter	125.6	127.7	133.5
Environment-related technologies	218.4	172.3	164.1

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.