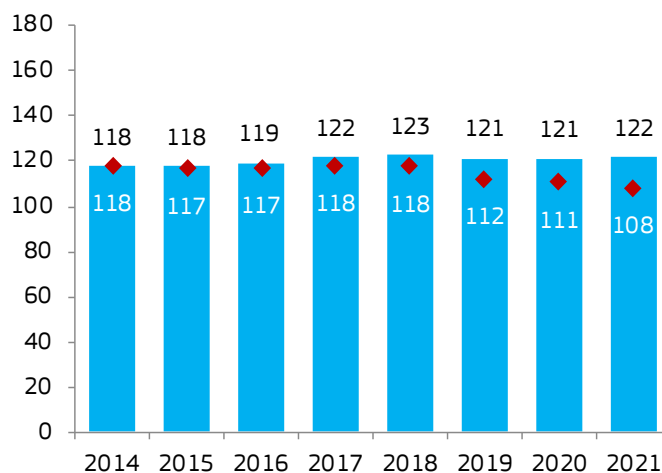




Israel is a Strong Innovator.

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.

	IL	EU
Performance and structure of the economy		
GDP per capita (PPS)	28,550	30,800
Average annual GDP growth (%)	-1.3	-2.5
Employment share Manufacturing (NACE C) (%)	10.8	16.5
of which High and Medium high-tech (%)	n/a	37.9
Employment share Services (NACE G-N) (%)	42.1	41.2
of which Knowledge-intensive services (%)	n/a	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) (%)	12.7	6.7
FDI net inflows (% GDP)	5.2	2.0
Top R&D spending enterprises per 10 million population	348.3	16.2
Buyer sophistication (1 to 7 best)	4.2	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)	75.3	76.5
Basic school entrepreneurial education and training	2.1	2.0
Govt. procurement of advanced tech. products	4.4	3.5
Rule of law (-2.5 to 2.5 best)	1.0	1.1
Climate change indicators		
Circular material use rate	22.1	11.7
Greenhouse gas emissions intensity of energy consumption	84.7	86.6
Demography		
Population size	8.7	446.7
Average annual population growth (%)	2.0	0.1
Population density	402.7	108.8

For Israel data availability is limited with data missing for more than half of the indicators. The country is still included in the EIS for historical reasons but if data availability does not improve the country is likely to be excluded from future EIS reports.

Due to limited data availability a discussion of strengths or recent developments has only limited value and is therefore excluded.

Israel	Relative to EU 2021 in 2021	Relative to EU 2014 in 2014	Relative to EU 2021 in 2021
SUMMARY INNOVATION INDEX	108.1	117.6	121.7
Human resources	127.5	128.7	135.2
Doctorate graduates	79.9	78.3	70.7
Population with tertiary education	155.3	174.0	200.2
Lifelong learning	N/A	N/A	N/A
Attractive research systems	113.0	130.5	127.2
International scientific co-publications	104.5	114.3	137.1
Most cited publications	95.1	111.9	93.5
Foreign doctorate students	N/A	N/A	N/A
Digitalisation	N/A	N/A	N/A
Broadband penetration	N/A	N/A	N/A
People with above basic overall digital skills	N/A	N/A	N/A
Finance and support	73.4	84.5	87.5
R&D expenditures in the public sector	74.4	75.7	71.8
Venture capital expenditures	N/A	N/A	N/A
Government support for business R&D	69.9	69.5	80.9
Firm investments	166.1	200.7	200.7
R&D expenditure in the business sector	169.5	188.2	188.2
Non-R&D Innovation expenditures	N/A	N/A	N/A
Innovation expenditures per employee	N/A	N/A	N/A
Use of information technologies	N/A	N/A	N/A
Enterprises providing ICT training	N/A	N/A	N/A
Employed ICT specialists	N/A	N/A	N/A
Innovators	N/A	N/A	N/A
Product innovators (SMEs)	N/A	N/A	N/A
Business process innovators (SMEs)	N/A	N/A	N/A
Linkages	92.1	116.9	124.2
Innovative SMEs collaborating with others	N/A	N/A	N/A
Public-private co-publications	120.7	127.4	135.4
Job-to-job mobility of HRST	N/A	N/A	N/A
Intellectual assets	111.3	92.1	96.4
PCT patent applications	259.5	225.2	225.2
Trademark applications	53.6	43.5	56.3
Design applications	32.3	22.3	22.2
Employment impacts	204.1	207.9	207.9
Employment in knowledge-intensive activities	229.3	250.7	250.7
Employment in innovative enterprises	N/A	N/A	N/A
Sales impacts	123.1	101.3	125.4
Medium and high tech goods exports	113.4	96.4	124.3
Knowledge-intensive services exports	102.9	92.4	109.0
Sales of innovative products	N/A	N/A	N/A
Environmental sustainability	32.8	61.5	34.2
Resource productivity	N/A	N/A	N/A
Air emissions by fine particulate matter	N/A	N/A	N/A
Environment-related technologies	43.6	58.9	32.8

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.