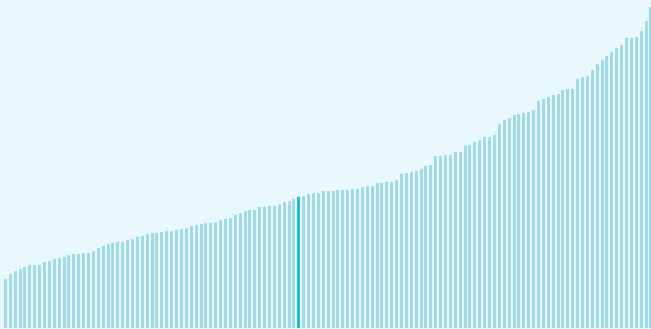




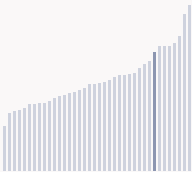
## Jordan ranking in the Global Innovation Index 2024

Jordan ranks **73rd** among the 133 economies featured in the GII 2024.

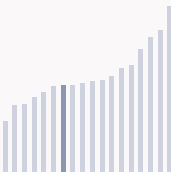
The Global Innovation Index (GII) ranks world economies according to their innovation capabilities. Consisting of roughly 80 indicators, grouped into innovation inputs and outputs, the GII aims to capture the multi-dimensional facets of innovation.



Jordan ranks **8th** among the 38 lower-middle-income group economies.



Jordan ranks **12th** among the 18 economies in Northern Africa and Western Asia.



### > Jordan GII Ranking (2020-2024)

The table shows the rankings of Jordan over the past four years. Data availability and changes to the GII model framework influence year-on-year comparisons of the GII rankings. The statistical confidence interval for the ranking of Jordan in the GII 2024 is between ranks 68 and 74.

Year	GII Position	Innovation Inputs	Innovation Outputs
2020	81st	77th	81st
2021	81st	79th	81st
2022	78th	71st	78th
2023	71st	70th	76th
2024	73rd	69th	74th

Jordan performs worse in innovation outputs than innovation inputs in 2024.

This year Jordan ranks **69th** in innovation inputs. This position is higher than last year.

Jordan ranks **74th** in innovation outputs. This position is higher than last year.

Jordan has no clusters in the top 100 S&T clusters of the Global Innovation Index.

# Global Innovation Index 2024



## > Global Innovation Tracker

The Global Innovation Tracker 2024 shows what is the current state of innovation in Jordan, how rapidly is technology being embraced and what are the resulting societal impacts.



For Jordan, 4 indicators have improved in the short-term and 5 indicators have worsened.

### Science and innovation investment

Scientific publications	R&D investments	Venture capital		International patent filings
		Deal numbers	Deal values	
▲ 7.7% 2022 - 2023	n/a	▼ -20% 2022 - 2023	▼ -77.1% 2022 - 2023	▼ -24% 2022 - 2023
▲ 14.4% 2013 - 2023	▲ 9.5% 2008 - 2016	▼ -5.4% 2013 - 2023	▼ -14.3% 2013 - 2023	▲ 34.2% 2013 - 2023

### Technology adoption

Safe sanitation	Connectivity		Robots	Electric vehicles
	Fixed broadband	5G		
▲ 0.1% 2021 - 2022	▲ 10% 2021 - 2022	n/a	n/a	n/a
▲ 0.2% 2012 - 2022	▲ 5.4% 2012 - 2022		n/a	n/a
82.3 per 100 inhabitants in 2022	7.1 per 100 inhabitants in 2022	n/a		n/a

### Socioeconomic impact

Labor productivity	Life expectancy	Temperature change
▲ 0.7% 2022 - 2023	▼ -0.1% 2021 - 2022	▲ 2°C 2023
▼ -2.5% 2013 - 2023	0% 2012 - 2022	n/a
53,213 USD in 2023	74.2 years in 2022	

Notes: Not all indicators of the Global Innovation Tracker are used to calculate the Global Innovation Index. Long-term annual growth refers to the compound annual growth rate (CAGR) over the indicated period. For each variable, a one-year growth rate is set for the short run, and ten-year CAGR is set for the long run; time windows might differ when gaps exist in data availability. The end period corresponds to the most recent available observation, which may differ among countries. Temperature change is an exception: it indicates the change in degrees Celsius with respect to the average temperature in the country from 1951–1980. Figures are rounded.



Expected vs. observed innovation performance

The bubble chart below shows the relationship between income levels (GDP per capita) and innovation performance (GII score). The trend line gives an indication of the expected innovation performance according to income level. Economies appearing above the trend line are performing better than expected and those below are performing below expectations.



Relative to GDP, Jordan is performing above expectations for its level of development.

> Innovation overperformers relative to their economic development





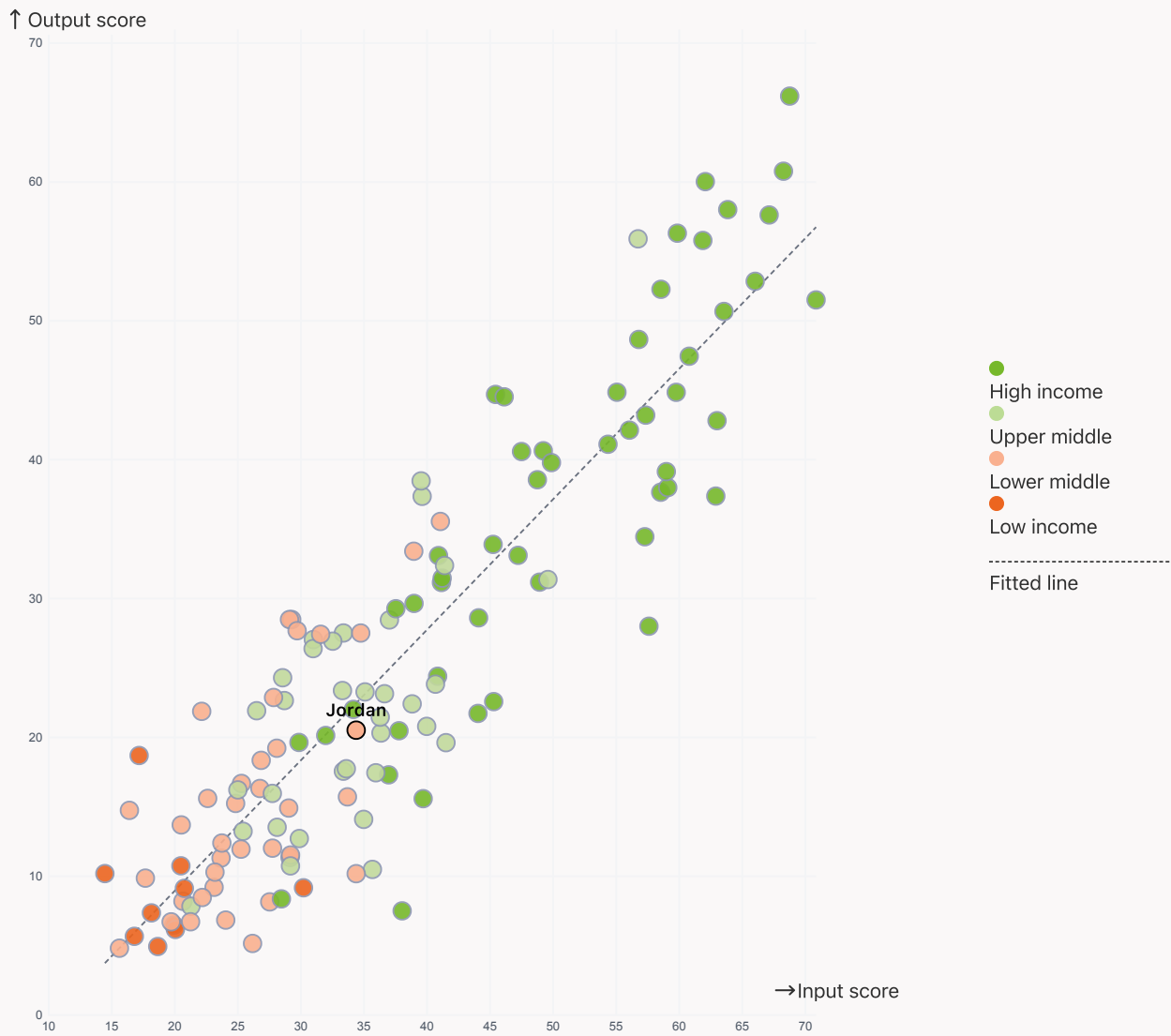
## Effectively translating innovation investments into innovation outputs

The chart below shows the relationship between innovation inputs and innovation outputs. Economies above the line are effectively translating costly innovation investments into more and higher-quality outputs.



Jordan produces less innovation outputs relative to its level of innovation investments.

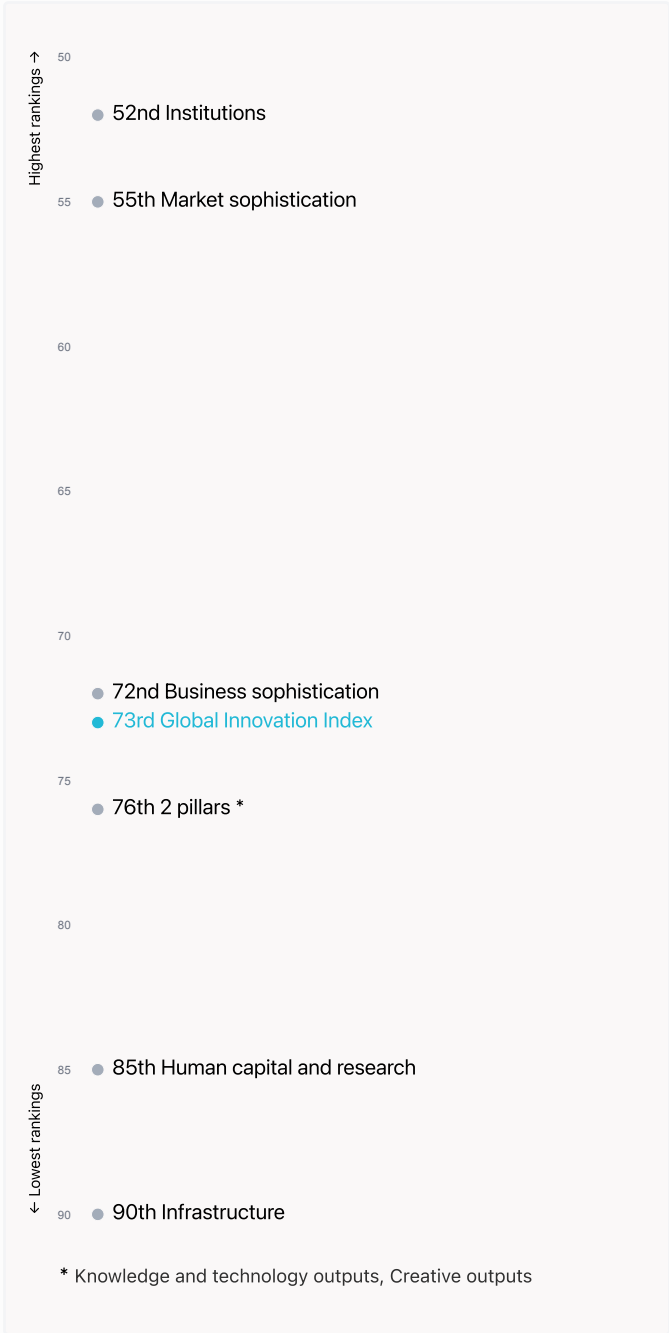
### > Relationship between innovation inputs and outputs





## Overview of Jordan's rankings in the seven areas of the GII in 2024

The chart shows the ranking for each of the seven areas that the GII comprises. The strongest areas for Jordan are those that rank above the GII (shown in blue) and the weakest are those that rank below.



### Highest rankings

Jordan ranks highest in Institutions (52nd), Market sophistication (55th) and Business sophistication (72nd).

### Lowest rankings

Jordan ranks lowest in Infrastructure (90th), Human capital and research (85th) and Knowledge and technology outputs, Creative outputs (76th).

The full WIPO Intellectual Property Statistics profile for Jordan can be found on [this link](#).



Benchmark of Jordan against other economy groupings for each of the seven areas of the GII Index

The charts shows the relative position of Jordan (blue bar) against other economy groupings (grey bars), for each of the seven areas of the GII Index.



Lower-Middle-Income economies

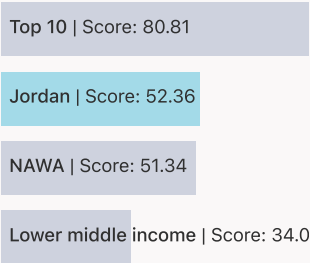
Jordan performs above the lower-middle-income group average in all pillars.



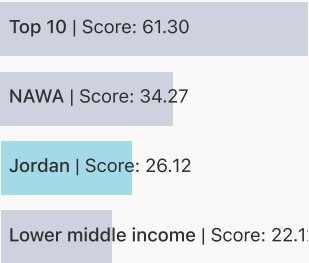
Northern Africa And Western Asia

Jordan performs above the regional average in Institutions, Market sophistication.

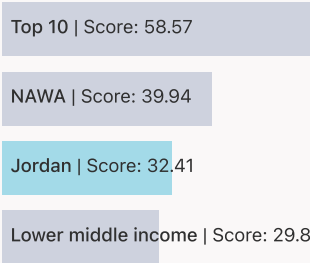
Institutions



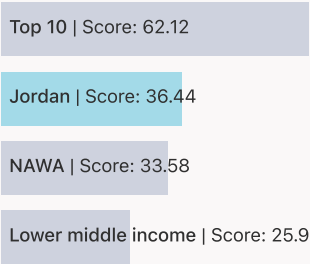
Human capital and research



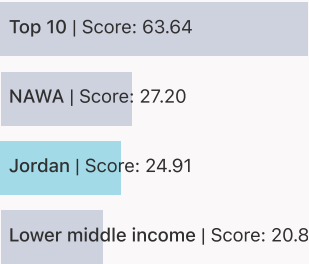
Infrastructure



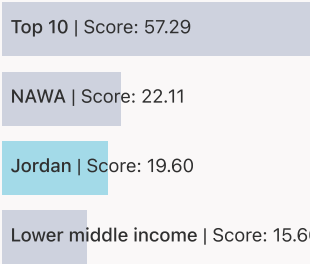
Market sophistication



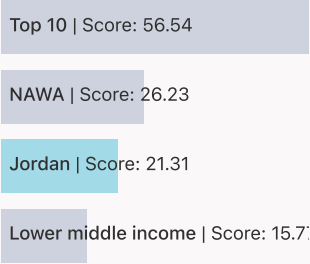
Business sophistication



Knowledge and technology outputs



Creative outputs







Innovation strengths and weaknesses in Jordan

The table below gives an overview of the indicator strengths and weaknesses of Jordan in the GII 2024.

Jordan's main innovation strengths are **Scientific and technical articles/bn PPP\$ GDP** (rank 12), **VC received, value, % GDP** (rank 14) and **State of cluster development<sup>†</sup>** (rank 15).

Strengths

Rank	Code	Indicator name
12	6.1.4	Scientific and technical articles/bn PPP\$ GDP
14	4.2.4	VC received, value, % GDP
15	5.2.3	State of cluster development <sup>†</sup>
20	7.2.4	Creative goods exports, % total trade
21	5.2.2	University-industry R&D collaboration <sup>†</sup>
23	2.2.3	Tertiary inbound mobility, %
26	7.3.3	Mobile app creation/bn PPP\$ GDP
30	1.3.1	Policy stability for doing business <sup>†</sup>
31	3.1.1	ICT access*
34	6.2.3	Software spending, % GDP

Weaknesses

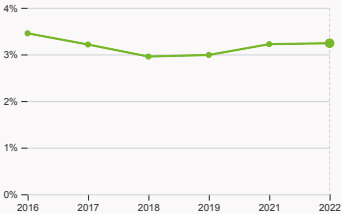
Rank	Code	Indicator name
131	6.3.4	ICT services exports, % total trade
127	5.3.3	ICT services imports, % total trade
117	3.2.3	Gross capital formation, % GDP
116	5.2.1	Public Research-Industry co-publications, %
110	7.2.1	Cultural and creative services exports, % total trade
81	2.1.4	PISA scales in reading, maths and science
75	7.2.2	National feature films/mn pop. 15–69
54	7.2.3	Entertainment and media market/th pop. 15–69
49	6.2.2	Unicorn valuation, % GDP
41	2.3.3	Global corporate R&D investors, top 3, mn USD



Jordan's innovation system

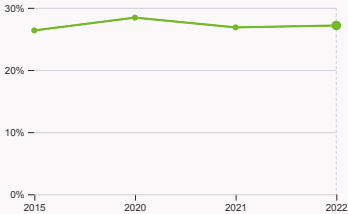
As far as practicable, the plots below present unscaled indicator data.

> Innovation inputs in Jordan



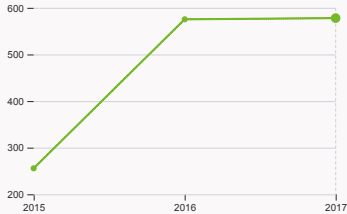
2.1.1 Expenditure on education

was equal to 3.24 % GDP in 2022, up by 0.02 percentage points from the year prior – and equivalent to an indicator rank of 98.



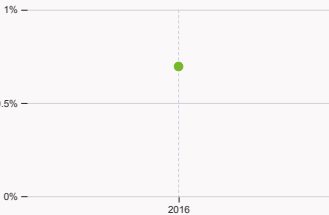
2.2.2 Graduates in science and engineering

was equal to 27.16 % of total graduates in 2022, up by 0.3 percentage points from the year prior – and equivalent to an indicator rank of 36.



2.3.1 Researchers

was equal to 577.92 FTE per million population in 2017, up by 0.45% from the year prior – and equivalent to an indicator rank of 67.



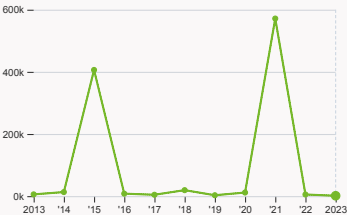
2.3.2 Gross expenditure on R&D

was equal to 0.7 % GDP in 2016 – and equivalent to an indicator rank of 51.



2.3.4 QS university ranking

was equal to an average score of 17.53 for the top three universities in 2023, up by 8.88% from the year prior – and equivalent to an indicator rank of 52.



4.2.4 VC received, value

was equal to 1.21 thousand USD in 2023, down by 77.13% from the year prior – and equivalent to an indicator rank of 14.

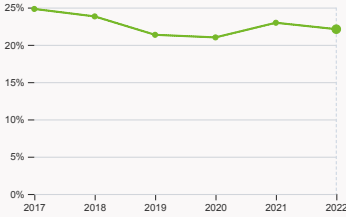


# Global Innovation Index 2024



### 4.3.2 Domestic industry diversification

was equal to an index score of 0.11 in 2021, up by 12.05% from the year prior – and equivalent to an indicator rank of 38.



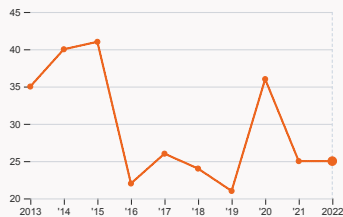
### 5.1.1 Knowledge-intensive employment

was equal to 22.1 % in 2022, down by 0.86 percentage points from the year prior – and equivalent to an indicator rank of 68.

# Global Innovation Index 2024

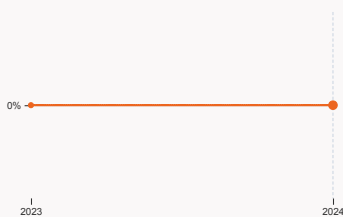


## > Innovation outputs in Jordan



### 6.1.1 Patents by origin

was equal to 25 patents in 2022 with no change from the year prior – and equivalent to an indicator rank of 100.



### 6.2.2 Unicorn valuation

was equal to 0 % GDP in 2024 with no change from the year prior – and equivalent to an indicator rank of 49.



### 6.2.4 High-tech manufacturing

was equal to 20.47 % of total manufacturing output in 2021, up by 2.69 percentage points from the year prior – and equivalent to an indicator rank of 61.



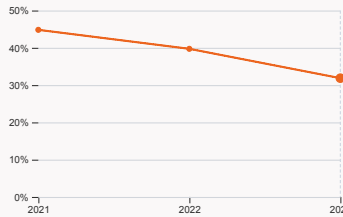
### 6.3.2 Production and export complexity

was equal to a score of 0.09 in 2021, up by 228.57% from the year prior – and equivalent to an indicator rank of 57.



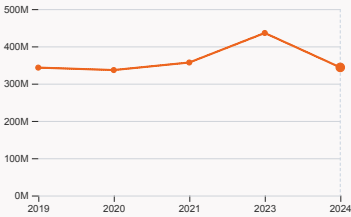
### 6.3.3 High-tech exports

was equal to 262.05 million USD in 2022, up by 10.33% from the year prior – and equivalent to an indicator rank of 75.



### 7.1.1 Intangible asset intensity

was equal to 31.86 % for the top 15 companies in 2023, down by 7.87 percentage points from the year prior – and equivalent to an indicator rank of 65.



### 7.1.3 Global brand value

was equal to 343.58 million USD for the brands in the top 5,000 in 2024, down by 21.17% from the year prior – and equivalent to an indicator rank of 59.



### 7.2.2 National feature films

was equal to 4 films in 2022 with no change from the year prior – and equivalent to an indicator rank of 75.



### 7.3.3 Mobile app creation

was equal to 106.01 million global downloads of mobile apps in 2023, down by 4.44% from the year prior – and equivalent to an indicator rank of 26.



Jordan's innovation top performers

2.3.4 QS university ranking of Jordan's top universities

Rank	University	Score
498	UNIVERSITY OF JORDAN	23.20
731-740	JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY	16.00
801-850	AL-AHLIYYA AMMAN UNIVERSITY	13.40

Source: QS Quacquarelli Symonds Ltd (<https://www.topuniversities.com/university-rankings/world-university-rankings/2023>).  
Note: QS Quacquarelli Symonds Ltd annually assesses over 1,200 universities across the globe and scores them between [0,100].  
Ranks can represent a single value "x", a tie "x=" or a range "x-y".

7.1.1 Top 15 intangible-asset intensive companies in Jordan

Rank	Firm	Intensity, %
1	JORDAN PHOSPHATE MINES CO. PLC	30.81
2	ARAB POTASH COMPANY	18.83
3	JORDAN PETROLEUM REFINERY CO. LTD.	15.18

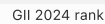
Source: Brand Finance (<https://brandirectory.com/reports/gift-2022>).  
Note: Brand Finance only provides within economy ranks.

7.1.3 Top 5,000 companies in Jordan with highest global brand value

Rank	Brand	Industry	Brand Value, mn USD
1	ARAB BANK	Banking	343.6

Source: Brand Finance (<https://brandirectory.com>).  
Note: Rank corresponds to within economy ranks.

# Jordan



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NOTES: ● indicates a strength; ○ a weakness; ◆ an income group strength; ◇ an income group weakness; \* an index; † a survey question; ● that the economy's data is outdated. Square brackets [ ] indicate the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level; n/a represents missing values; a dash - indicates an indicator which is not relevant to this economy and thus not considered for DMC thresholds.



## Data availability

The following tables list indicators that are either missing or outdated for Jordan.



Jordan has missing data for six indicators and outdated data for five indicators.

### Missing data for Jordan

Code	Indicator name	Economy Year	Model Year	Source
2.1.3	School life expectancy, years	n/a	2022	UNESCO Institute for Statistics
3.2.2	Logistics performance*	n/a	2023	World Bank, Logistics Performance Index 2023 ( <a href="https://lpi.worldbank.org/">https://lpi.worldbank.org/</a> ); and World Bank 2023, Connecting to Compete 2023: Trade Logistics in the Global Economy The Logistics Performance Index and its Indicators.
5.1.3	GERD performed by business, % GDP	n/a	2022	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
5.1.4	GERD financed by business, %	n/a	2021	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
5.3.5	Research talent, % in businesses	n/a	2022	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
6.1.3	Utility models by origin/bn PPP\$ GDP	n/a	2022	World Intellectual Property Organization; International Monetary Fund

### Outdated data for Jordan

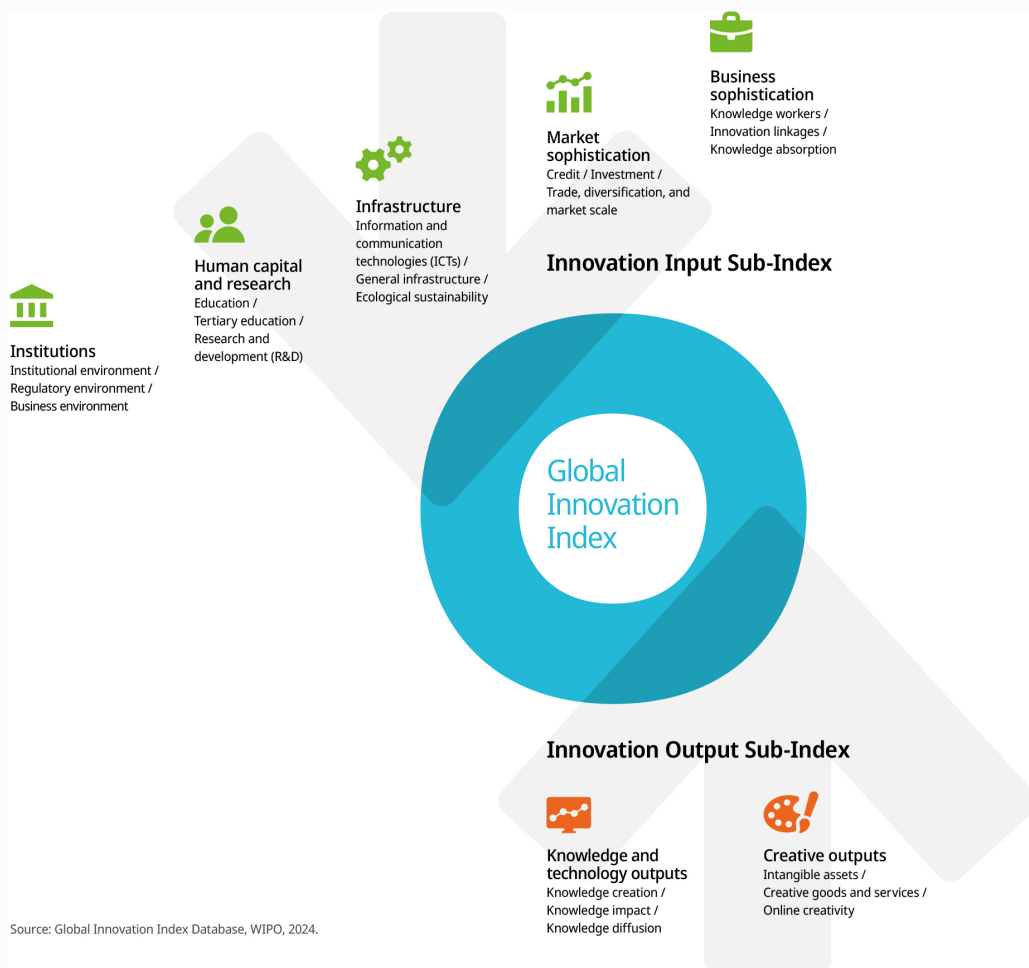
Code	Indicator name	Economy Year	Model Year	Source
2.3.1	Researchers, FTE/mn pop.	2017	2022	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
2.3.2	Gross expenditure on R&D, % GDP	2016	2022	UNESCO Institute for Statistics; Eurostat; OECD; RICYT
3.2.1	Electricity output, GWh/mn pop.	2021	2022	International Energy Agency
5.1.2	Firms offering formal training, %	2019	2023	World Bank Enterprise Surveys
5.1.5	Females employed w/advanced degrees, %	2022	2023	International Labour Organization

# Global Innovation Index 2024



## About the Global Innovation Index

- The Global Innovation Index (GII) is published by the World Intellectual Property Organization (WIPO), a specialized agency of the United Nations.
- Recognizing that innovation is a key driver of economic development, the GII aims to provide an innovation ranking and rich analysis referencing around 130 economies. Over the last decade, the GII has established itself as both a leading reference on innovation and a “tool for action” for economies that incorporate the GII into their innovation agendas.



The Index is a ranking of the innovation capabilities and results of world economies. It measures innovation based on criteria that include institutions, human capital and research, infrastructure, credit, investment, linkages; the creation, absorption and diffusion of knowledge; and creative outputs.

The GII has two sub-indices: the Innovation Input Sub-Index and the Innovation Output Sub-Index, and seven pillars, each consisting of three sub-pillars.