

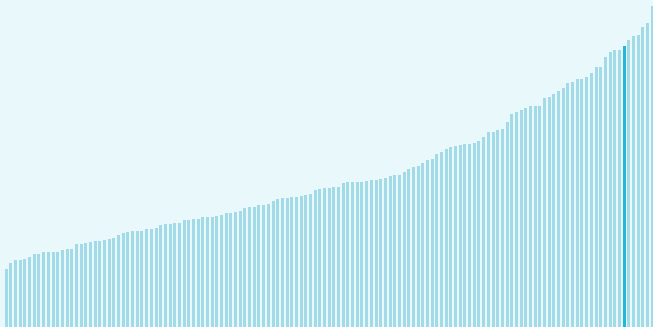
# Global Innovation Index 2025



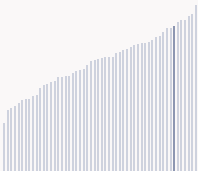
## Finland ranking in the Global Innovation Index 2025

Finland ranks **7th** among the 139 economies featured in the GII 2025.

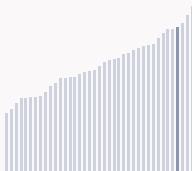
The Global Innovation Index (GII) ranks world economies according to their innovation capabilities. Consisting of roughly 80 indicators, grouped into innovation inputs and outputs, the GII aims to capture the multi-dimensional facets of innovation.



Finland ranks 7th among the 54 High-income group economies.



Finland ranks 4th among the 39 economies in Europe.



### > Finland GII Ranking (2020-2025)

The table shows the rankings of Finland over the past six 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 Finland in the GII 2025 is between ranks 6 and 9.

| Year | GII Position | Innovation Inputs | Innovation Outputs |
|------|--------------|-------------------|--------------------|
| 2020 | 7th          | 8th               | 8th                |
| 2021 | 7th          | 6th               | 9th                |
| 2022 | 9th          | 6th               | 9th                |
| 2023 | 6th          | 5th               | 9th                |
| 2024 | 7th          | 5th               | 9th                |
| 2025 | 7th          | 5th               | 10th               |

Finland performs worse in innovation outputs than innovation inputs in 2025.

This year Finland ranks 5th in innovation inputs. This position is the same as last year.

Finland ranks 10th in innovation outputs. This position is lower than last year.

Finland has 1 cluster in the world's top innovation clusters of the Global Innovation Index.

# Global Innovation Index 2025



## > Global Innovation Tracker

The Global Innovation Tracker 2025 shows what is the current state of innovation in Finland, how rapidly is technology being embraced and what are the resulting societal impacts.



For Finland, 9 indicators have improved in the short-term and 3 indicators have worsened.

### Science and innovation investment

|                              | Scientific publications | R&D investments        | Venture capital deal numbers | International patent filings |
|------------------------------|-------------------------|------------------------|------------------------------|------------------------------|
| Short term                   | ▲ 5.7 %<br>2023 - 2024  | ▲ 2.3 %<br>2022 - 2023 | ▼ -18.7 %<br>2023 - 2024     | ▲ 30.1 %<br>2023 - 2024      |
| Long term<br>(annual growth) | ▲ 2.2 %<br>2014 - 2024  | ▲ 0.3 %<br>2013 - 2023 | ▼ -9.8 %<br>2020 - 2024      | ▲ 1 %<br>2014 - 2024         |

### Technology adoption

|                              | Safe sanitation                     | Connectivity                        |                                     | Robots                | Electric vehicles           |
|------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----------------------|-----------------------------|
|                              |                                     | Fixed broadband                     | 5G                                  |                       |                             |
| Short term                   | ▲ 0.2%<br>2023 - 2024               | ▲ 3.6%<br>2022 - 2023               | ▲ 1.5%<br>2022 - 2023               | ▲ 5.6%<br>2022 - 2023 | ▲ 16.1%<br>2023 - 2024      |
| Long term<br>(annual growth) | ▲ 0.2%<br>2014 - 2024               | ▲ 1.4%<br>2013 - 2023               | n/a                                 | ▲ 3.1%<br>2013 - 2023 | ▲ 75.7%<br>2014 - 2024      |
| Penetration                  | 90.1<br>per 100 inhabitants in 2024 | 35.3<br>per 100 inhabitants in 2023 | 99.5<br>per 100 inhabitants in 2023 | n/a                   | 8.3<br>per 100 cars in 2024 |

### Socioeconomic impact

|                              | Labor productivity       | Life expectancy        | Temperature change |
|------------------------------|--------------------------|------------------------|--------------------|
| Short term                   | ▼ -0.4 %<br>2023 - 2024  | ▲ 0.8 %<br>2022 - 2023 | + 2.3 °C<br>2024   |
| Long term<br>(annual growth) | ▲ 0.3 %<br>2014 - 2024   | ▲ 0.1 %<br>2013 - 2023 | + 2.6 °C<br>2014   |
| Level                        | 121,172.5<br>USD in 2024 | 81.9<br>years in 2023  | n/a                |

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 countries. from 1951–1980. Figures are rounded.

# Global Innovation Index 2025



## 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.



Finland is an Innovation leader, ranking in the top 25 of the GII.

### > Innovation overperformers relative to their economic development



# Global Innovation Index 2025



## 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.



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

### > Relationship between innovation inputs and outputs



# Global Innovation Index 2025



## Overview of Finland's rankings in the seven areas of the GII in 2025

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



### Highest Rankings

Finland ranks highest in Infrastructure (3rd) and Institutions, Human capital and research (5th).



### Lowest Rankings

Finland ranks lowest in Creative outputs (16th), Business sophistication (12th) and Market sophistication (11th).

\* Institutions, Human capital and research



The full WIPO Intellectual Property Statistics profile for Finland can be found on <https://www.wipo.int/edocs/statistics-country-profile/en/fi.pdf>

# Global Innovation Index 2025



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



### High-income economies

Finland performs above the High-income group average in all pillars.



### Europe

Finland performs above the regional average in all pillars.

#### Institutions

Finland | Score: 83.57

Top 10 | Score: 78.63

High-income | Score: 65.99

Europe | Score: 59.42

#### Human capital and research

Finland | Score: 60.87

Top 10 | Score: 59.30

High-income | Score: 45.45

Europe | Score: 44.67

#### Infrastructure

Finland | Score: 67.58

Top 10 | Score: 61.36

High-income | Score: 54.18

Europe | Score: 54.13

#### Market sophistication

Top 10 | Score: 61.82

Finland | Score: 58.64

High-income | Score: 47.12

Europe | Score: 44.89

#### Business sophistication

Top 10 | Score: 59.10

Finland | Score: 55.30

High-income | Score: 42.22

Europe | Score: 40.79

#### Knowledge and technology outputs

Top 10 | Score: 54.93

Finland | Score: 52.65

Europe | Score: 34.99

High-income | Score: 33.94

#### Creative outputs

Top 10 | Score: 55.98

Finland | Score: 47.79

High-income | Score: 38.68

Europe | Score: 38.66



## Innovation strengths and weaknesses in Finland

The table below gives an overview of the indicator strengths and weaknesses of Finland in the GII 2025.



Finland’s best-ranked innovation strengths are **Finance for startups and scaleups<sup>†</sup>** (rank 1), **Rule of law\*** (rank 1) and **Logistics performance\*** (rank 2).

### Strengths

| Rank | Code  | Indicator name                                 |
|------|-------|------------------------------------------------|
| 1    | 4.1.1 | Finance for startups and scaleups <sup>†</sup> |
| 1    | 1.2.2 | Rule of law*                                   |
| 2    | 3.2.2 | Logistics performance*                         |
| 3    | 7.3.2 | GitHub commits/mn pop. 15–69                   |
| 3    | 2.2.1 | Tertiary enrolment, % gross                    |
| 4    | 5.3.3 | ICT services imports, % total trade            |
| 4    | 3.1.2 | ICT use*                                       |
| 4    | 2.1.3 | School life expectancy, years                  |
| 5    | 3.1.1 | ICT access*                                    |
| 5    | 5.2.5 | Patent families/bn PPP\$ GDP                   |

### Weaknesses

| Rank | Code  | Indicator name                                        |
|------|-------|-------------------------------------------------------|
| 117  | 6.2.1 | Labor productivity growth, %                          |
| 114  | 5.1.3 | Youth demographic dividend, %                         |
| 96   | 3.3.1 | GDP/unit of energy use                                |
| 76   | 7.1.2 | Trademarks by origin/bn PPP\$ GDP                     |
| 72   | 5.3.2 | High-tech imports, % total trade                      |
| 64   | 3.2.3 | Gross capital formation, % GDP                        |
| 63   | 7.2.4 | Creative goods exports, % total trade                 |
| 60   | 2.1.5 | Pupil–teacher ratio, secondary                        |
| 59   | 4.3.3 | Domestic market scale, bn PPP\$                       |
| 50   | 7.2.1 | Cultural and creative services exports, % total trade |

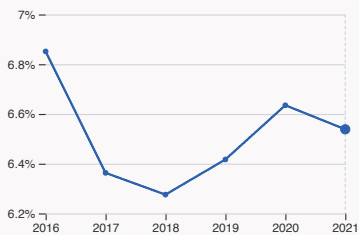
# Global Innovation Index 2025



## Finland's innovation system

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

### > Innovation inputs in Finland



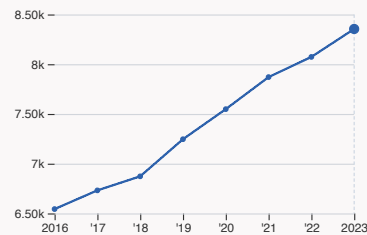
#### 2.1.1 Expenditure on education

was equal to 6.54 % GDP in 2021, down by 0.1 percentage points from the year prior – and equivalent to an indicator rank of 11.



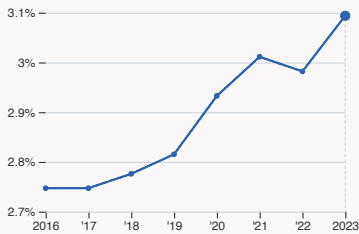
#### 2.2.2 Graduates in science and engineering

was equal to 29.4 % of total graduates in 2022, up by 1.19 percentage points from the year prior – and equivalent to an indicator rank of 25.



#### 2.3.1 Researchers

was equal to 8354.29 FTE per million population in 2023, up by 3.48% from the year prior – and equivalent to an indicator rank of 5.



#### 2.3.2 Gross expenditure on R&D

was equal to 3.09 % GDP in 2023, up by 0.11 percentage points from the year prior – and equivalent to an indicator rank of 10.



#### 2.3.4 QS university ranking

was equal to an average score of 49.33 for the top three universities in 2024, down by 0.94% from the year prior – and equivalent to an indicator rank of 24.



#### 4.3.2 Domestic industry diversification

was equal to an index score of 0.084 in 2022, up by 0.37% from the year prior – and equivalent to an indicator rank of 9.



#### 5.1.1 Knowledge-intensive employment

was equal to 47.8 % of total workforce in 2024, down by 0.64 percentage points from the year prior – and equivalent to an indicator rank of 17.

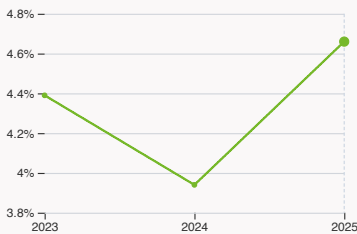
# Global Innovation Index 2025

## > Innovation outputs in Finland



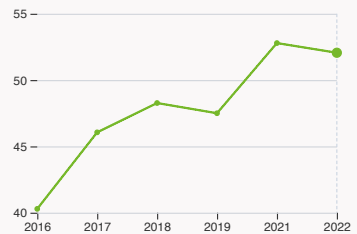
### 6.1.1 Patents by origin

was equal to 4 thousand patents in 2023, up by 14.29% from the year prior – and equivalent to an indicator rank of 6.



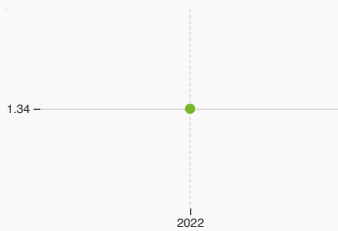
### 6.2.2 Unicorn valuation

was equal to 4.66 % GDP in 2025, up by 0.72 percentage points from the year prior – and equivalent to an indicator rank of 8.



### 6.2.4 High-tech manufacturing

was equal to 52.06 high-tech manufacturing output in billion USD in 2022, down by 1.38% from the year prior – and equivalent to an indicator rank of 33.



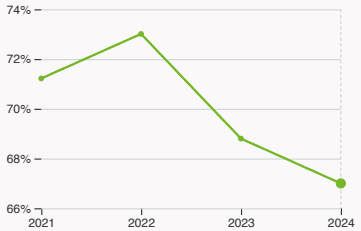
### 6.3.2 Production and export complexity

was equal to a score of 1.34 in 2022 – and equivalent to an indicator rank of 18.



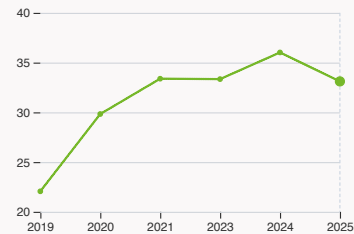
### 6.3.3 High-tech exports

was equal to 6.08 billion USD in 2023, down by 0.98% from the year prior – and equivalent to an indicator rank of 43.



### 7.1.1 Intangible asset intensity, top 15

was equal to 67 % for the top 15 companies in 2024, down by 1.8 percentage points from the year prior – and equivalent to an indicator rank of 18.



### 7.1.3 Global brand value, top 5,000

was equal to 33.11 billion USD in 2025, down by 8.08% from the year prior – and equivalent to an indicator rank of 14.



### 7.2.2 National feature films

was equal to 34 films in 2023, up by 9.68% from the year prior – and equivalent to an indicator rank of 13.



### 7.3.3 Mobile app creation

was equal to 776.44 million global downloads of mobile apps in 2024, up by 18.59% from the year prior – and equivalent to an indicator rank of 9.

# Global Innovation Index 2025



## Finland's innovation top performers

Disclaimer: This section contains only the top performers per country. For the complete list, please visit the [GII Innovation Ecosystems and Data Explorer website](#).

### 2.3.3 Global corporate R&D investors from Finland

| Rank | Firm      | Industry                        | R&D [mn EUR] | R&D Growth [%] | R&D Intensity [%] |
|------|-----------|---------------------------------|--------------|----------------|-------------------|
| 1    | NOKIA     | Technology Hardware & Equipment | 4,266        | -5             | 19                |
| 2    | WARTSILA  | Industrial Engineering          | 328          | 6              | 5                 |
| 3    | KONE      | Industrial Engineering          | 185          | -1             | 2                 |
| 4    | TIETOEVRY | Software & Computer Services    | 129          | 3              | 5                 |

Source: WIPO, based on European Commission's Joint Research Centre (<https://iri.jrc.ec.europa.eu/scoreboard/2024-eu-industrial-rd-investment-scoreboard>) and Orbis database (<https://www.moodys.com/web/en/us/capabilities/company-reference-data/orbis.html>).  
Note: Data is based on the 2024 EU Industrial R&D Investment Scoreboard from the European Commission's Joint Research Centre, which ranks the top 2,000 firms by R&D investment annually. For countries not represented in the Scoreboard, companies from Orbis with R&D expenditure above USD 50 million were identified and used to complement the dataset.

### 2.3.4 QS university ranking of Finland's top universities

| Rank | University                                      | Score |
|------|-------------------------------------------------|-------|
| 113  | AALTO UNIVERSITY                                | 57.90 |
| 117  | UNIVERSITY OF HELSINKI                          | 56.80 |
| 336  | LAPPEENRANTA-LAHTI UNIVERSITY OF TECHNOLOGY LUT | 33.30 |

Source: QS Quacquarelli Symonds Ltd (<https://www.topuniversities.com/university-rankings/world-university-rankings/2024>).  
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'.

### 5.2.3 University industry and international engagement, top 5 universities

| Rank | University                                      | Score |
|------|-------------------------------------------------|-------|
| 1    | AALTO UNIVERSITY                                | 85.45 |
| 2    | LAPPEENRANTA-LAHTI UNIVERSITY OF TECHNOLOGY LUT | 75.40 |
| 3    | TAMPERE UNIVERSITY                              | 73.60 |

Source: Times Higher Education (THE), World University Rankings 2025.  
Note: Rank corresponds to within economy ranks. The score is calculated as the average of the International Outlook score (encompassing international staff, students, and co-authorship) and the industry score (reflecting industry income and patent citations). The 2025 ranking corresponds to data from the academic year that ended in 2022.

# Global Innovation Index 2025



## 6.2.2 Top Unicorn Companies in Finland

| Rank | Unicorn Company | Industry                   | City     | Valuation, bn USD |
|------|-----------------|----------------------------|----------|-------------------|
| 1    | RELEX           | Consumer & Retail          | Helsinki | 6                 |
| 2    | OURA            | Healthcare & Life Sciences | Oulu     | 5                 |
| 3    | AIVEN           | Enterprise Tech            | Helsinki | 3                 |

Source: CBInsights, Tracker – The Complete List of Unicorn Companies: <https://www.cbinsights.com/research-unicorn-companies>.

## 7.1.1 Top 15 intangible-asset intensive companies in Finland

| Rank | Firm             | Intensity, % |
|------|------------------|--------------|
| 1    | KONE OYJ         | 93.82        |
| 2    | SAMPO OYJ        | 70.96        |
| 3    | WARTSILA OYJ ABP | 91.78        |

Source: Brand Finance (<https://brandirectory.com/reports/gift-2024>).  
Note: Brand Finance only provides within economy ranks.

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

| Rank | Brand   | Industry    | Brand Value, mn USD |
|------|---------|-------------|---------------------|
| 1    | NOKIA   | Electronics | 6,141               |
| 2    | NESTE   | Oil & Gas   | 2,971.3             |
| 3    | K GROUP | Retail      | 2,740               |

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

## Finland

| Output rank                                                                                                        | Input rank | Income | Region | Population (mn)                                                                                                           | GDP, PPP\$ (bn) | GDP per capita, PPP\$ |
|--------------------------------------------------------------------------------------------------------------------|------------|--------|--------|---------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------|
| 10                                                                                                                 | 5          | High   | Europe | 5.6                                                                                                                       | 361.3           | 64,657.3              |
| Score / Value Rank                                                                                                 |            |        |        | Score / Value Rank                                                                                                        |                 |                       |
|  <b>Institutions</b>               |            |        |        |  <b>Business sophistication</b>          |                 |                       |
| <b>1.1 Institutional environment</b>                                                                               |            |        |        | <b>5.1 Knowledge workers</b>                                                                                              |                 |                       |
| 1.1.1 Operational stability for businesses*                                                                        |            |        |        | 5.1.1 Knowledge-intensive employment, %                                                                                   |                 |                       |
| 1.1.2 Government effectiveness*                                                                                    |            |        |        | 5.1.2 Females employed w/advanced degrees, %                                                                              |                 |                       |
| <b>1.2 Regulatory environment</b>                                                                                  |            |        |        | 5.1.3 Youth demographic dividend, %                                                                                       |                 |                       |
| 1.2.1 Regulatory quality*                                                                                          |            |        |        | 5.1.4 GERD performed by business, % GDP                                                                                   |                 |                       |
| 1.2.2 Rule of law*                                                                                                 |            |        |        | 5.1.5 GERD financed by business, %                                                                                        |                 |                       |
| <b>1.3 Business environment</b>                                                                                    |            |        |        | <b>5.2 Innovation linkages</b>                                                                                            |                 |                       |
| 1.3.1 Policy stability for doing business†                                                                         |            |        |        | 5.2.1 Public research–industry co-publications, %                                                                         |                 |                       |
| 1.3.2 Entrepreneurship policies and culture†                                                                       |            |        |        | 5.2.2 University–industry R&D collaboration†                                                                              |                 |                       |
|  <b>Human capital and research</b> |            |        |        | 5.2.3 University industry & international engagement, top 5*                                                              |                 |                       |
| <b>2.1 Education</b>                                                                                               |            |        |        | 5.2.4 State of cluster development†                                                                                       |                 |                       |
| 2.1.1 Expenditure on education, % GDP                                                                              |            |        |        | 5.2.5 Patent families/bn PPP\$ GDP                                                                                        |                 |                       |
| 2.1.2 Government funding/pupil, secondary, % GDP/cap                                                               |            |        |        | <b>5.3 Knowledge absorption</b>                                                                                           |                 |                       |
| 2.1.3 School life expectancy, years                                                                                |            |        |        | 5.3.1 Intellectual property payments, % total trade                                                                       |                 |                       |
| 2.1.4 PISA scales in reading, maths and science                                                                    |            |        |        | 5.3.2 High-tech imports, % total trade                                                                                    |                 |                       |
| 2.1.5 Pupil–teacher ratio, secondary                                                                               |            |        |        | 5.3.3 ICT services imports, % total trade                                                                                 |                 |                       |
| <b>2.2 Tertiary education</b>                                                                                      |            |        |        | 5.3.4 FDI net inflows, % GDP                                                                                              |                 |                       |
| 2.2.1 Tertiary enrolment, % gross                                                                                  |            |        |        | 5.3.5 Research talent, % in businesses                                                                                    |                 |                       |
| 2.2.2 Graduates in science and engineering, %                                                                      |            |        |        |  <b>Knowledge and technology outputs</b> |                 |                       |
| 2.2.3 Tertiary inbound mobility, %                                                                                 |            |        |        | <b>6.1 Knowledge creation</b>                                                                                             |                 |                       |
| <b>2.3 Research and development (R&amp;D)</b>                                                                      |            |        |        | 6.1.1 Patents by origin/bn PPP\$ GDP                                                                                      |                 |                       |
| 2.3.1 Researchers, FTE/mn pop.                                                                                     |            |        |        | 6.1.2 PCT patents by inventor origin/bn PPP\$ GDP                                                                         |                 |                       |
| 2.3.2 Gross expenditure on R&D, % GDP                                                                              |            |        |        | 6.1.3 Utility models by origin/bn PPP\$ GDP                                                                               |                 |                       |
| 2.3.3 Global corporate R&D investors, top 3, mn USD                                                                |            |        |        | 6.1.4 Scientific and technical articles/bn PPP\$ GDP                                                                      |                 |                       |
| 2.3.4 QS university ranking, top 3*                                                                                |            |        |        | 6.1.5 Citable documents H-index                                                                                           |                 |                       |
|  <b>Infrastructure</b>           |            |        |        | <b>6.2 Knowledge impact</b>                                                                                               |                 |                       |
| <b>3.1 Information and communication technologies (ICTs)</b>                                                       |            |        |        | 6.2.1 Labor productivity growth, %                                                                                        |                 |                       |
| 3.1.1 ICT access*                                                                                                  |            |        |        | 6.2.2 Unicorn valuation, % GDP                                                                                            |                 |                       |
| 3.1.2 ICT use*                                                                                                     |            |        |        | 6.2.3 Software spending, % GDP                                                                                            |                 |                       |
| 3.1.3 Government's online service*                                                                                 |            |        |        | 6.2.4 High-tech manufacturing, %                                                                                          |                 |                       |
| <b>3.2 General infrastructure</b>                                                                                  |            |        |        | <b>6.3 Knowledge diffusion</b>                                                                                            |                 |                       |
| 3.2.1 Electricity output, GWh/mn pop.                                                                              |            |        |        | 6.3.1 Intellectual property receipts, % total trade                                                                       |                 |                       |
| 3.2.2 Logistics performance*                                                                                       |            |        |        | 6.3.2 Production and export complexity                                                                                    |                 |                       |
| 3.2.3 Gross capital formation, % GDP                                                                               |            |        |        | 6.3.3 High-tech exports, % total trade                                                                                    |                 |                       |
| <b>3.3 Ecological sustainability</b>                                                                               |            |        |        | 6.3.4 ICT services exports, % total trade                                                                                 |                 |                       |
| 3.3.1 GDP/unit of energy use                                                                                       |            |        |        | 6.3.5 ISO 9001 quality/bn PPP\$ GDP                                                                                       |                 |                       |
| 3.3.2 Low-carbon energy use, %                                                                                     |            |        |        |  <b>Creative outputs</b>               |                 |                       |
| 3.3.3 ISO 14001 environment/bn PPP\$ GDP                                                                           |            |        |        | <b>7.1 Intangible assets</b>                                                                                              |                 |                       |
|  <b>Market sophistication</b>    |            |        |        | 7.1.1 Intangible asset intensity, top 15, %                                                                               |                 |                       |
| <b>4.1 Credit</b>                                                                                                  |            |        |        | 7.1.2 Trademarks by origin/bn PPP\$ GDP                                                                                   |                 |                       |
| 4.1.1 Finance for startups and scaleups†                                                                           |            |        |        | 7.1.3 Global brand value, top 5,000, % GDP                                                                                |                 |                       |
| 4.1.2 Domestic credit to private sector, % GDP                                                                     |            |        |        | 7.1.4 Industrial designs by origin/bn PPP\$ GDP                                                                           |                 |                       |
| 4.1.3 Loans from microfinance institutions, % GDP                                                                  |            |        |        | <b>7.2 Creative goods and services</b>                                                                                    |                 |                       |
| <b>4.2 Investment</b>                                                                                              |            |        |        | 7.2.1 Cultural and creative services exports, % total trade                                                               |                 |                       |
| 4.2.1 Market capitalization, % GDP                                                                                 |            |        |        | 7.2.2 National feature films/mn pop. 15–69                                                                                |                 |                       |
| 4.2.2 Venture capital (VC) received, deal count/bn PPP\$ GDP                                                       |            |        |        | 7.2.3 Entertainment and media market/th pop. 15–69                                                                        |                 |                       |
| 4.2.3 Late-stage VC deal count, % global VC                                                                        |            |        |        | 7.2.4 Creative goods exports, % total trade                                                                               |                 |                       |
| 4.2.4 VC investors, deal count/bn PPP\$ GDP                                                                        |            |        |        | <b>7.3 Online creativity</b>                                                                                              |                 |                       |
| 4.2.5 VC investor co-participation/bn PPP\$ GDP                                                                    |            |        |        | 7.3.1 Top-level domains (TLDs)/th pop. 15–69                                                                              |                 |                       |
| <b>4.3 Trade, diversification and market scale</b>                                                                 |            |        |        | 7.3.2 GitHub commits/mn pop. 15–69                                                                                        |                 |                       |
| 4.3.1 Applied tariff rate, weighted avg., %                                                                        |            |        |        | 7.3.3 Mobile app creation/bn PPP\$ GDP                                                                                    |                 |                       |
| 4.3.2 Domestic industry diversification                                                                            |            |        |        |                                                                                                                           |                 |                       |
| 4.3.3 Domestic market scale, bn PPP\$                                                                              |            |        |        |                                                                                                                           |                 |                       |

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.

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## Data Availability

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



Finland has missing data for one indicator and outdated data for three indicators.

### Missing data for Finland

| Code  | Indicator name               | Economy year | Model year* | Source                                    |
|-------|------------------------------|--------------|-------------|-------------------------------------------|
| 4.2.1 | Market capitalization, % GDP | n/a          | 2022        | World Federation of Exchanges; World Bank |

\*Model year corresponds to the most frequent data year (the year that appears most often across all economies in the GII).

### Outdated data for Finland

| Code  | Indicator name                                     | Economy year | Model year* | Source                          |
|-------|----------------------------------------------------|--------------|-------------|---------------------------------|
| 1.3.2 | Entrepreneurship policies and culture <sup>†</sup> | 2021         | 2024        | Global Entrepreneurship Monitor |
| 2.1.1 | Expenditure on education, % GDP                    | 2021         | 2023        | UNESCO Institute for Statistics |
| 4.1.1 | Finance for startups and scaleups <sup>†</sup>     | 2021         | 2024        | Global Entrepreneurship Monitor |

\*Model year corresponds to the most frequent data year (the year that appears most often across all economies in the GII).

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## Top innovation clusters in Finland



Finland has 1 cluster in the world's top innovation clusters of the Global Innovation Index

The table and map below give an overview of the top innovation clusters in Finland.

| Rank | Cluster name             | Top patent field      | Top academic subject |
|------|--------------------------|-----------------------|----------------------|
| 60   | <a href="#">Helsinki</a> | Digital communication | Technology           |



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The table and map below give an overview by intensity of the top innovation clusters in Finland.

| Rank | Cluster name             | Top patent field      | Top academic subject |
|------|--------------------------|-----------------------|----------------------|
| 9    | <a href="#">Helsinki</a> | Digital communication | Technology           |

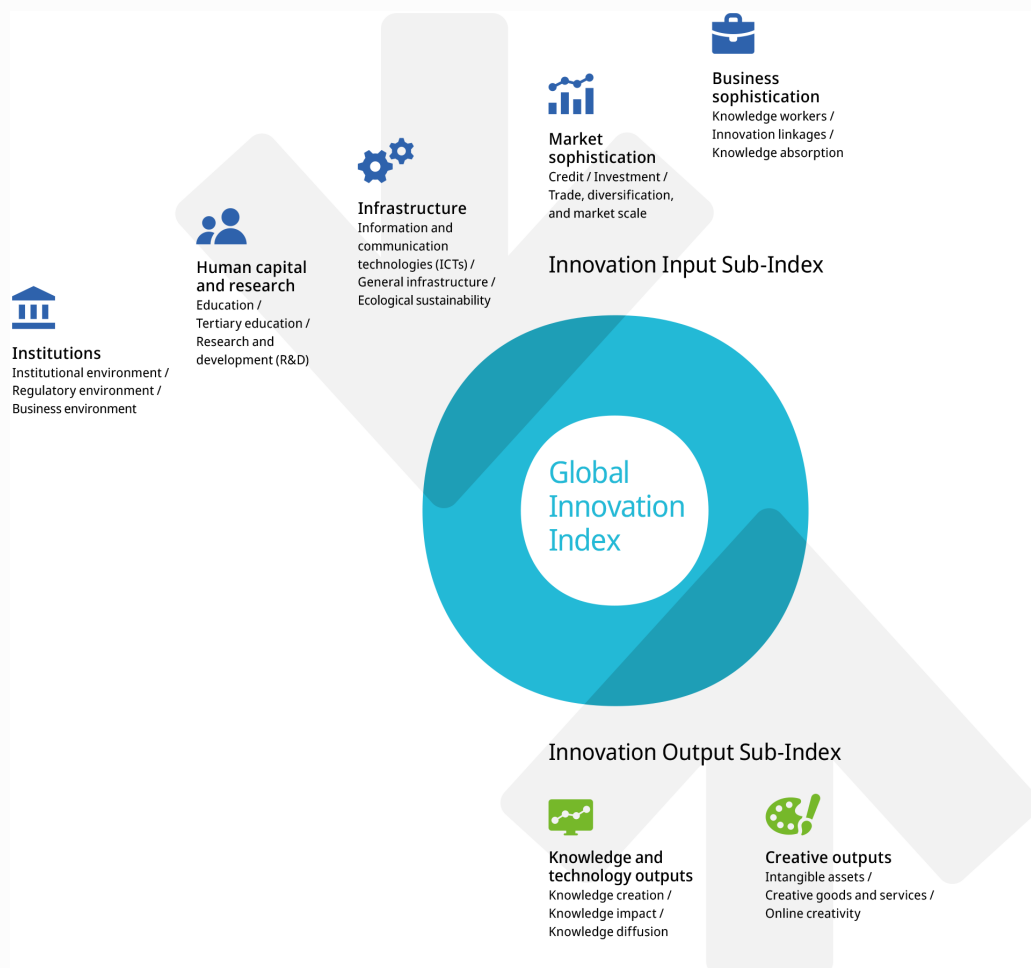


# Global Innovation Index 2025



## 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 140 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.