

Intellectual Property /Technology

Global Innovation Index 2025: A World in Transition.



The World Intellectual Property Organization (WIPO) has released the 18th edition of its flagship Global Innovation Index (GII), offering a comprehensive analysis of innovation performance across the globe.

This year's report captures a world at a turning point. Innovation systems are adjusting to geopolitical shifts, rapid technological progress, and evolving modes of collaboration. While research and development (R&D) investment continues to grow, the pace of growth has slowed — reflecting the more restrained recovery seen in recent economic cycles.

Key insights:

Innovation investment remains resilient — with one exception: Most forms of innovation investment saw growth in 2024, yet overall growth remains at a historic low. Venture capital (VC) continues to lag, despite apparent gains driven primarily by US-based megadeals and the AI sector.

Venture capital: Narrow rebound conceals broader weakness: VC deal values rose by 7.7%, fuelled largely by generative AI. Excluding AI and US deals, global VC activity actually contracted. Notably, the number of VC deals declined for the third consecutive year — down 4.4% globally — highlighting ongoing investor caution.

Technological progress surged, but adoption slowed: 2024 witnessed significant advances in areas such as supercomputing and battery technology. However, adoption trends slowed, and innovation in fields like wind energy and genome sequencing showed less momentum than in past years.

Innovation's socioeconomic impact remains broadly positive: Innovation continues to enhance economic and social outcomes, with post-COVID recovery firmly underway. Environmental challenges persist, but the overall trajectory remains favourable.

Stable rankings, rising players: Switzerland, Sweden, the US, South Korea, and Singapore lead the GI rankings, with China securing a place in the top 10. Emerging economies continue their gradual ascent.

Global Innovation Index 2025 rankings

19

GII rank ↓	Economy	Score	Income group rank	Region rank	GII rank ↓	Economy	Score	Income group rank	Region rank
1	Switzerland	66.0	1	1	71	Colombia	28.5	18	5
2	Sweden	62.6	2	2	72	Costa Rica	28.4	19	6
3	United States	61.7	3	1	73	Kuwait	28.2	49	13
4	Republic of Korea	60.0	4	1	74	Republic of Moldova	27.4	20	37
5	Singapore	59.9	5	2	75	Seychelles	27.2	50	3
6	United Kingdom	59.1	6	3	76	Tunisia	27.0	6	14
7	Finland	57.7	7	4	77	Argentina	26.8	21	7
8	Netherlands (Kingdom of the)	57.0	8	5	78	Mongolia	26.7	22	13
9	Denmark	56.9	9	6	79	Uzbekistan	26.5	7	3
10	China	56.6	1	3	80	Peru	26.5	23	8
11	Germany	55.5	10	7	81	Kazakhstan	26.3	24	4
12	Japan	53.6	11	4	82	Panama	25.9	51	9
13	France	53.4	12	8	83	Jamaica	25.2	25	10
14	Israel	52.3	13	1	84	Barbados	25.1	52	11
15	Hong Kong, China	51.5	14	5	85	Belarus	25.1	26	38
16	Estonia	51.1	15	9	86	Egypt	24.7	8	15
17	Canada	51.1	16	2	87	Botswana	24.6	27	4
18	Ireland	50.4	17	10	88	Brunei Darussalam	24.5	53	14
19	Austria	50.1	18	11	89	Senegal	23.8	9	5
20	Norway	49.2	19	12	90	Lebanon	23.6	10	16
21	Belgium	48.5	20	13	91	Namibia	23.5	28	6
22	Australia	48.0	21	6	92	Bosnia and Herzegovina	23.4	29	39
23	Luxembourg	47.3	22	14	93	Sri Lanka	22.9	11	5
24	Iceland	47.0	23	15	94	Azerbaijan	22.9	30	17
25	Cyprus	45.5	24	2	95	Cabo Verde	22.6	12	7
26	New Zealand	45.5	25	7	96	Kyrgyzstan	22.6	13	6
27	Malta	45.4	26	16	97	Dominican Republic	22.6	31	12
28	Italy	44.9	27	17	98	El Salvador	22.2	32	13
29	Spain	44.6	28	18	99	Pakistan	22.1	14	7
30	United Arab Emirates	44.2	29	3	100	Cambodia	22.0	15	15
31	Portugal	43.9	30	19	101	Ghana	21.9	16	8
32	Czech Republic	42.0	31	20	102	Kenya	21.4	17	9
33	Lithuania	40.8	32	21	103	Paraguay	21.4	33	14
34	Malaysia	40.6	2	8	104	Rwanda	21.1	1	10
35	Slovenia	40.1	33	22	105	Nigeria	21.1	18	11
36	Hungary	40.0	34	23	106	Bangladesh	21.0	19	8
37	Bulgaria	39.1	35	24	107	Nepal	20.2	20	9
38	India	38.2	1	1	108	Tajikistan	20.2	21	10
39	Poland	37.7	36	25	109	Lao People's Democratic Republic	20.1	22	16
40	Croatia	37.7	37	26	110	Côte d'Ivoire	19.7	23	12
41	Latvia	37.5	38	27	111	Bolivia (Plurinational State of)	19.6	24	15
42	Greece	37.4	39	28	112	Zambia	19.6	25	13
43	Türkiye	37.2	3	4	113	Ecuador	19.5	34	16
44	Viet Nam	37.1	2	9	114	Trinidad and Tobago	19.3	54	17
45	Thailand	36.7	4	10	115	Algeria	18.9	35	18
46	Saudi Arabia	36.0	40	5	116	Cameroon	18.2	26	14
47	Slovakia	35.5	41	29	117	Togo	18.1	2	15
48	Qatar	34.6	42	6	118	Benin	17.8	27	16
49	Romania	34.3	43	30	119	Honduras	17.7	28	18
50	Philippines	33.6	3	11	120	Madagascar	17.6	3	17
51	Chile	33.1	44	1	121	United Republic of Tanzania	17.5	29	18
52	Brazil	32.9	5	2	122	Myanmar	17.3	30	17
53	Mauritius	32.5	6	1	123	Guatemala	17.1	36	19
54	Serbia	31.7	7	31	124	Uganda	17.1	4	19
55	Indonesia	31.3	8	12	125	Malawi	16.0	5	20
56	Georgia	31.2	9	7	126	Burkina Faso	15.9	6	21
57	Morocco	31.1	4	8	127	Burundi	15.8	7	22
58	Mexico	30.5	10	3	128	Mozambique	15.4	8	23
59	Armenia	30.5	11	9	129	Zimbabwe	15.4	31	24
60	Russian Federation	30.3	45	32	130	Nicaragua	15.4	32	20
61	South Africa	30.1	12	2	131	Mauritania	15.4	33	25
62	Bahrain	30.0	46	10	132	Lesotho	14.9	34	26
63	North Macedonia	29.8	13	33	133	Guinea	14.9	35	27
64	Montenegro	29.8	14	34	134	Ethiopia	14.4	9	28
65	Jordan	29.7	5	11	135	Mali	14.0	10	29
66	Ukraine	29.7	15	35	136	Venezuela (Bolivarian Republic of)	13.7		21
67	Albania	29.6	16	36	137	Congo	13.6	36	30
68	Uruguay	28.8	47	4	138	Angola	13.0	37	31
69	Oman	28.7	48	12	139	Niger	11.9	11	32
70	Iran (Islamic Republic of)	28.5	17	2					

Low-income

Lower middle-income

Upper middle-income

High-income

Sub-Saharan Africa

Central and Southern Asia

South East Asia, East Asia, and Oceania

Northern Africa and Western Asia

Latin America and the Caribbean

Northern America

Europe

Note: The World Bank classified Venezuela (Bolivarian Republic of) as an upper-middle income economy until 2021 and has been unclassified since then due to the unavailability of data.

Source: Global Innovation Index Database, WIPO, 2025.

Innovation hubs span the globe: The world's leading innovation clusters are now spread across six continents, with the Shenzhen–Hong Kong–Guangzhou corridor ranked first globally.

Figure 1 Top 10 innovation clusters, and their footprint, 2025

Rank	Cluster name	Global share of publications	Global share of PCT filings	Global share of VC deals
1	Shenzhen–Hong Kong–Guangzhou	2.4%	9.0%	2.9%
2	Tokyo–Yokohama	1.4%	10.3%	2.2%
3	San Jose–San Francisco	0.7%	3.9%	6.9%
4	Beijing	4.0%	3.8%	2.9%
5	Seoul	1.7%	5.4%	3.1%
6	Shanghai–Suzhou	2.5%	3.3%	3.7%
7	New York City	0.9%	1.0%	4.8%
8	London	0.7%	0.5%	4.4%
9	Boston–Cambridge	0.9%	1.5%	2.0%
10	Los Angeles	0.5%	0.9%	2.5%

Global share range



Source: WIPO Statistics Database, May 2025.

Europe's strong showing: Europe boasts 15 of the top 25 economies — six of which are in the top 10.

However, Greece remains notably low in the rankings, underlining the urgent need for systemic reforms across key sectors.

Greece

42

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP\$ (bn)	GDP per capita, PPP\$
42	42	High	EUR	10.0	436.8	42,066
		Score/Value	Rank			
 Institutions		52.0	60	 Business sophistication		
1.1 Institutional environment		58.7	57	5.1 Knowledge workers		
1.1.1	Operational stability for businesses*	70.7	44	5.1.1	Knowledge-intensive employment, %	31.6 47
1.1.2	Government effectiveness*	46.7	63	5.1.2	Females employed w/advanced degrees, %	20.2 37
1.2 Regulatory environment		58.8	51	5.1.3	Youth demographic dividend, %	23.4 130
1.2.1	Regulatory quality*	60.1	46	5.1.4	GERD performed by business, % GDP	0.7 35
1.2.2	Rule of law*	57.4	58	5.1.5	GERD financed by business, %	37.9 51
1.3 Business environment		38.5	80	5.2 Innovation linkages		
1.3.1	Policy stability for doing business†	47.7	66	5.2.1	Public research–industry co-publications, %	2.5 33
1.3.2	Entrepreneurship policies and culture†	29.3	63	5.2.2	University–industry R&D collaboration†	21.8 107
Human capital and research		46.8	29	5.2.3	University industry and international engagement, top 5*	44.2 40
2.1 Education		60.9	38	5.2.4	State of cluster development†	20.2 125
2.1.1	Expenditure on education, % GDP	3.8	87	5.2.5	Patent families/bn PPP\$ GDP	0.4 37
2.1.2	Government funding/pupil, secondary, % GDP/cap	20.1	44	5.3 Knowledge absorption		
2.1.3	School life expectancy, years	20.8	1	5.3.1	Intellectual property payments, % total trade	0.3 86
2.1.4	PISA scales in reading, maths and science	436.5	45	5.3.2	High-tech imports, % total trade	7.2 85
2.1.5	Pupil–teacher ratio, secondary	8.5	15	5.3.3	ICT services imports, % total trade	0.9 96
2.2 Tertiary education		53.4	5	5.3.4	FDI net inflows, % GDP	2.8 63
2.2.1	Tertiary enrolment, % gross	166.7	1	5.3.5	Research talent, % in businesses	31.1 45
2.2.2	Graduates in science and engineering, %	26.2	37	Knowledge and technology outputs		
2.2.3	Tertiary inbound mobility, %	3.1	68	6.1 Knowledge creation		
2.3 Research and development (R&D)		26.0	40	6.1.1	Patents by origin/bn PPP\$ GDP	1.6 34
2.3.1	Researchers, FTE/mn pop.	5,250.7	19	6.1.2	PCT patents by inventor origin/bn PPP\$ GDP	0.3 38
2.3.2	Gross expenditure on R&D, % GDP	1.5	29	6.1.3	Utility models by origin/bn PPP\$ GDP	0.0 62
2.3.3	Global corporate R&D investors, top 3, mn USD	0.0	44	6.1.4	Scientific and technical articles/bn PPP\$ GDP	27.6 18
2.3.4	QS university ranking, top 3*	30.0	46	6.1.5	Citable documents H-index	33.7 30
Infrastructure		52.1	41	6.2 Knowledge impact		
3.1 Information and communication technology (ICT)		84.6	45	6.2.1	Labor productivity growth, %	0.4 86
3.1.1	ICT access*	96.0	36	6.2.2	Unicorn valuation, % GDP	1.3 32
3.1.2	ICT use*	80.3	58	6.2.3	Software spending, % GDP	0.6 15
3.1.3	Government online service*	77.7	45	6.2.4	High-tech manufacturing, %	16.5 71
3.2 General infrastructure		39.2	45	6.3 Knowledge diffusion		
3.2.1	Electricity output, GWh/mn pop.	4,500.5	45	6.3.1	Intellectual property receipts, % total trade	0.1 78
3.2.2	Logistics performance*	72.7	18	6.3.2	Production and export complexity	53.8 51
3.2.3	Gross capital formation, % GDP	20.3	102	6.3.3	High-tech exports, % total trade	2.7 54
3.3 Ecological sustainability		32.6	37	6.3.4	ICT services exports, % total trade	1.3 80
3.3.1	GDP/unit of energy use	16.4	26	6.3.5	ISO 9001 quality/bn PPP\$ GDP	15.6 14
3.3.2	Low-carbon energy use, %	20.8	62	Creative outputs		
3.3.3	ISO 14001 environment/bn PPP\$ GDP	4.3	21	7.1 Intangible assets		
Market sophistication		39.0	57	7.1.1	Intangible asset intensity, top 15, %	55.0 44
4.1 Credit		30.8	64	7.1.2	Trademarks by origin/bn PPP\$ GDP	n/a n/a
4.1.1	Finance for startups and scaleups†	44.7	57	7.1.3	Global brand value, top 5,000, % GDP	0.9 60
4.1.2	Domestic credit to private sector, % GDP	49.1	67	7.1.4	Industrial designs by origin/bn PPP\$ GDP	2.9 29
4.1.3	Loans from microfinance institutions, % GDP	n/a	n/a	7.2 Creative goods and services		
4.2 Investment		7.9	55	7.2.1	Cultural and creative services exports, % total trade	0.5 53
4.2.1	Market capitalization, % GDP	26.9	53	7.2.2	National feature films/mn pop. 15–69	5.2 33
4.2.2	Venture capital (VC) received, deal count/bn PPP\$ GDP	0.1	46	7.2.3	Entertainment and media market/th pop. 15–69	22.4 29
4.2.3	Late-stage VC deal count, % global VC	0.0	56	7.2.4	Creative goods exports, % total trade	1.1 42
4.2.4	VC investors, deal count/bn PPP\$ GDP	0.2	42	7.3 Online creativity		
4.2.5	VC investor co-participation/bn PPP\$ GDP	0.1	41	7.3.1	Top-level domains (TLDs)/th pop. 15–69	22.0 34
4.3 Trade, diversification and market scale		78.1	38	7.3.2	GitHub commits/mn pop. 15–69	24.7 40
4.3.1	Applied tariff rate, weighted avg., %	1.3	24	7.3.3	Mobile app creation/bn PPP\$ GDP	61.0 82
4.3.2	Domestic industry diversification	87.0	49			
4.3.3	Domestic market scale, bn PPP\$	436.8	53			

NOTES: ● indicates a strength; ○ a weakness; ◆ an income group strength; ◇ an income group weakness; * an index; † a survey question. ⊕ indicates that the economy's data are older than the base year; Square brackets [] indicate that 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.

The Global Innovation Index (GII) can be found at <https://www.wipo.int/web-publications/global-innovation-index-2025/en/index.html>

For more information, please contact us at k.logaras@logaraslaw.com or visit www.logaraslaw.com to learn more.

Konstantinos Logaras

T. +30 210 36 27 222

E. k.logaras@logaraslaw.com

LOGARAS LAW

24C Papdiamantopoulou Street

Athens, 115 28 Greece

www.logaraslaw.com

© Logaras Law (2025). All contents on this website, including logos, trademarks, texts, newsletters and articles (hereinafter the "Contents"), are protected under intellectual property law. Except where otherwise stated, use, downloading, reproduction and distribution in whatever form and by whatever medium (including Internet) for whole or part of the Contents available on this website and newsletter is not authorized.