

# MOST INNOVATIVE IN THE WORLD 2014: COUNTRIES

*South Korea and Sweden lead the world in innovation*

Rank	Country	Total score	R&D intensity rank	Manufacturing capability rank	Productivity rank	High-tech density rank	Tertiary efficiency rank	Researcher concentration rank	Patent activity rank
1	South Korea	92.10	3	2	33	3	3	6	2
2	Sweden	90.80	4	22	7	5	13	8	26
3	United States	90.69	10	24	10	1	37	12	5
4	Japan	90.41	5	6	14	8	30	9	3
5	Germany	88.23	9	3	20	6	25	17	6
6	Denmark	86.97	6	56	6	17	27	3	14
7	Singapore	86.07	17	14	15	14	24	4	34
8	Switzerland	86.02	8	16	3	9	35	22	29
9	Finland	85.86	2	21	12	32	5	2	15
10	Taiwan	83.52	7	N/A	30	2	2	5	1
11	Canada	83.21	24	32	11	16	1	13	23
12	France	82.42	16	38	16	15	15	20	10
13	Australia	80.79	14	58	5	25	23	15	41
14	Norway	80.39	25	65	2	26	40	7	20
15	Netherlands	80.32	19	30	18	11	53	24	25
16	United Kingdom	80.01	22	35	21	18	14	19	8
17	Austria	79.52	11	13	13	36	28	16	16
18	Russia	77.53	33	17	47	7	4	25	9
19	Belgium	77.02	18	31	9	31	31	21	53
20	New Zealand	75.09	29	45	26	37	16	11	7
21	Luxembourg	74.55	27	84	1	34	50	10	51
22	Italy	73.08	30	8	19	29	55	35	12
23	Czech Republic	73.07	20	18	37	30	39	28	40
24	Poland	71.23	40	15	46	13	29	37	18
25	China	70.51	21	1	74	3	93	45	4
26	Hungary	69.89	31	23	43	23	66	32	31
27	Hong Kong	69.61	44	98	22	12	19	30	64
28	Ireland	69.59	23	12	8	68	8	23	38
29	Portugal	67.83	26	54	34	49	38	14	59
30	Israel	67.77	1	60	25	10	7	N/A	28
31	Slovenia	67.29	13	33	32	69	17	18	21
32	Spain	66.40	28	29	23	54	11	27	35
33	Iceland	66.39	12	73	24	N/A	36	1	54
34	Malaysia	63.60	35	7	53	21	22	59	30
35	Greece	63.15	53	69	29	38	18	33	27
36	Turkey	61.00	38	10	48	41	45	46	33
37	Romania	60.87	56	20	60	22	54	44	17
38	Malta	59.29	45	87	31	33	67	40	82
39	Estonia	59.28	15	62	39	N/A	26	26	65
40	South Africa	58.98	37	47	52	19	97	56	66
41	Latvia	57.80	49	77	45	42	41	36	36
42	Bulgaria	57.26	54	47	62	35	45	39	43
43	Croatia	56.56	43	52	40	56	57	38	42
44	Lithuania	54.73	36	57	42	N/A	10	31	71
45	Brazil	54.41	32	26	55	44	99	51	67
46	Slovakia	54.15	50	28	38	N/A	43	29	48
47	Tunisia	53.82	34	59	70	51	44	34	80
48	Argentina	53.44	51	9	51	59	58	42	57
49	Ukraine	53.20	48	43	80	48	6	41	19
50	Iran	48.30	39	54	56	N/A	21	49	47

## GLOBAL INNOVATORS BY FACTOR

## R&amp;D INTENSITY

Rank	Country	Overall rank
1	Israel	30
2	Finland	9
3	South Korea	1
4	Sweden	2
5	Japan	4
6	Denmark	6
7	Taiwan	10
8	Switzerland	8
9	Germany	5
10	United States	3

## MANUFACTURING CAPABILITY

Rank	Country	Overall rank
1	China	25
2	South Korea	1
3	Germany	5
4	Indonesia	67
5	Thailand	51
6	Japan	4
7	Malaysia	34
8	Italy	22
9	Argentina	48
10	Turkey	36

## PRODUCTIVITY

Rank	Country	Overall rank
1	Luxembourg	21
2	Norway	14
3	Switzerland	8
4	Macao	70
5	Australia	13
6	Denmark	6
7	Sweden	2
8	Ireland	28
9	Belgium	19
10	United States	3

## HIGH-TECH DENSITY

Rank	Country	Overall rank
1	United States	3
2	Taiwan	10
3	South Korea	1
4	China	25
5	Sweden	2
6	Germany	5
7	Russia	18
8	Japan	4
9	Switzerland	8
10	Israel	30

## TERTIARY EFFICIENCY

Rank	Country	Overall rank
1	Canada	11
2	Taiwan	10
3	South Korea	1
4	Russia	18
5	Finland	9
6	Ukraine	49
7	Israel	30
8	Ireland	28
9	Belarus	60
10	Lithuania	44

## RESEARCHER CONCENTRATION

Rank	Country	Overall rank
1	Iceland	33
2	Finland	9
3	Denmark	6
4	Singapore	7
5	Taiwan	10
6	South Korea	1
7	Norway	14
8	Sweden	2
9	Japan	4
10	Luxembourg	21

## PATENT ACTIVITY

Rank	Country	Overall rank
1	Taiwan	10
2	South Korea	1
3	Japan	4
4	China	25
5	United States	3
6	Germany	5
7	New Zealand	20
8	United Kingdom	16
9	Russia	18
10	France	12

SOURCES: Bloomberg, International Monetary Fund, World Bank, Organisation for Economic Co-operation and Development, United Nations Educational, Scientific and Cultural Organization, U.S. Patent and Trademark Office, World Bank, World Intellectual Property Organization

AS OF: January 7, 2014

**METHODOLOGY:** Bloomberg ranked countries and sovereigns based on their overall ability to innovate. Seven weighted factors were considered and their scores combined to provide an overall score for each country from zero to 100:

**1. R&D intensity (20% of score)**

Research and development expenditure as a percentage of GDP

**2. Productivity (20%)**

GDP per employed person age 15 and over

**3. High-tech density (20%)**

Number of high-tech public companies -- such as aerospace and defense, biotechnology, hardware, software, semiconductors, Internet software and services, and renewable energy companies -- as a percentage of all publicly listed companies

**4. Researcher concentration (20%)**

Professionals, including Ph.D. students, engaged in R&D per 1 million people

**5. Manufacturing capability (10%)**

Manufacturing value-added as a percentage of GDP and as a share of world total manufacturing value-added

**6. Tertiary efficiency (5%)**

Number of secondary graduates enrolled in postsecondary institutions as a percentage of cohort; percentage of labor force with tertiary degrees; annual science and engineering graduates as a percentage of the labor force and as a percentage of total tertiary graduates

**7. Patent Activity (5%)**

Resident patent filings per 1 million residents and per \$1 million of R&D spent; patents granted as a percentage of the world total

Of the 215 countries and sovereigns evaluated, 110 had data on at least five of the seven factors. Those countries were included in the final ranking. The top 50 countries are shown in the world ranking. Factor ranks were drawn from the entire universe of 110 countries. N/A indicates no data were available. Most recent data available were used.