

NEWSLETTER on STI Indicators

DG RTD, A4, Analysis and monitoring of national research policies

1. Shanghai University ranking 2015

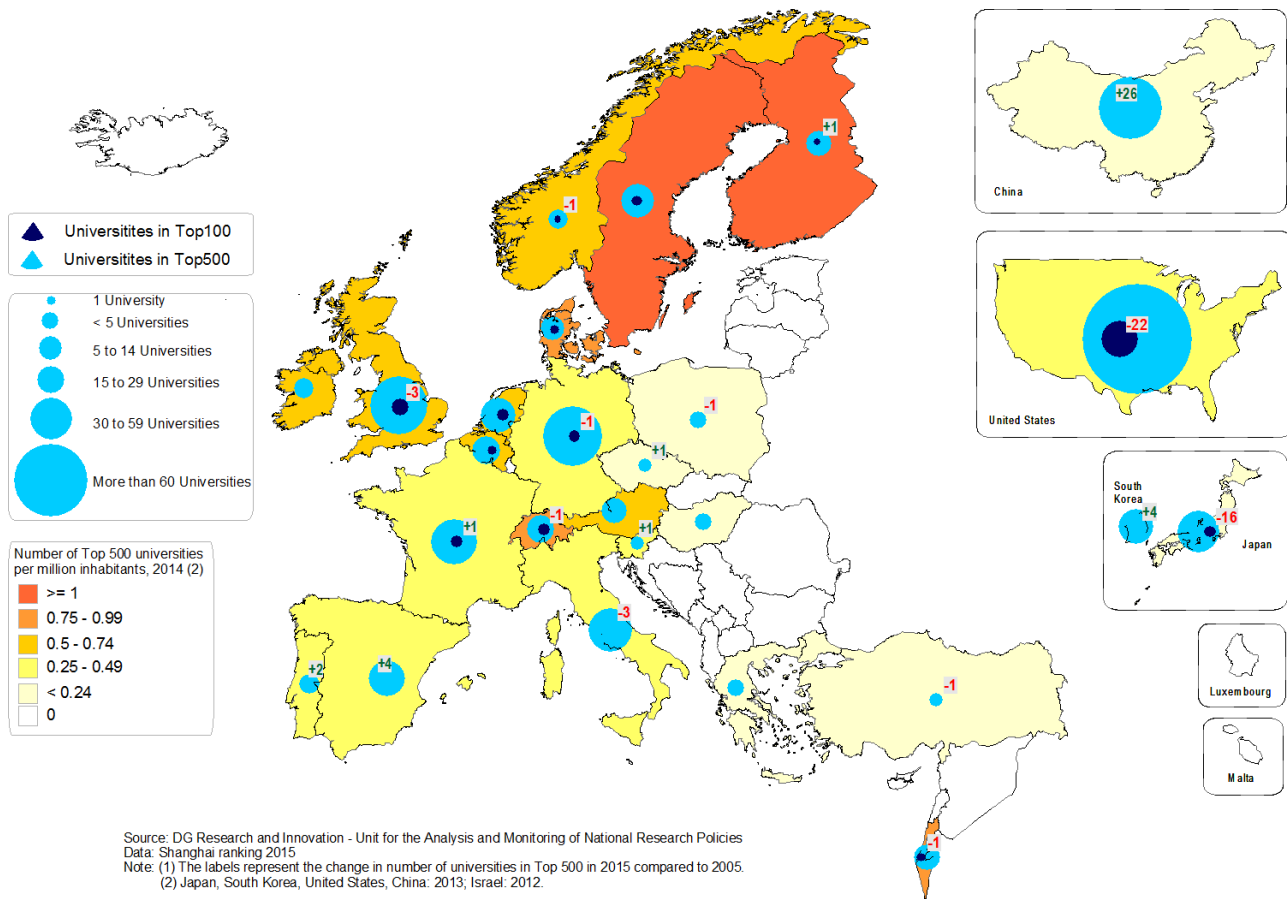
World Top 500 Universities

1	Harvard U.		6	Princeton U.	
2	Stanford U.		7	Caltech	
3	MIT		8	Columbia U.	
4	UC Berkeley		9	U.Chicago	
5	U.Cambridge		10	U.Oxford	

The Shanghai Jiao Tong University has released on 15 August the 2015 edition of its annual **Academic Ranking of World Universities**. This ranking is carried out since 2003 and was commissioned by the Chinese government to monitor the rise of Chinese universities (the goal of having two universities among the top 10 worldwide by 2010 was, however, not achieved).

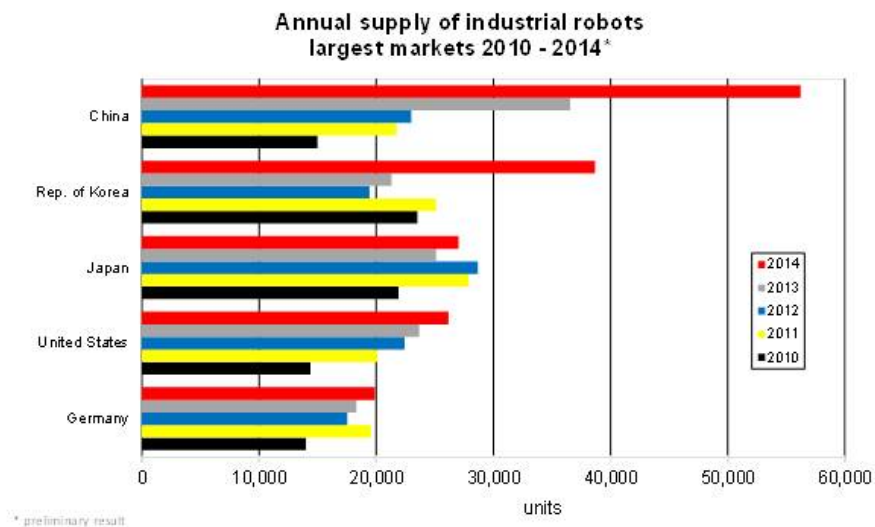
The number of Chinese universities in the top 500 has more than doubled since 2005, while the number of US and Japanese institutions has declined. The number of top EU universities has been stable in that period. Sweden, Finland and Denmark are the EU countries with the highest number of top ranked institutions per million population.

Country/Region	Number of top 500 universities in 2015 (change to 2005)		Number of top 100 universities in 2015 (change to 2005)		Top ranked university (Rank)
Germany	39	(-1)	4	(-1)	U Heidelberg (46)
UK	37	(-3)	9	(-2)	U Cambridge (5)
France	22	(+1)	4		Paris 6 (36)
Italy	20	(-3)	0	(-1)	Sapienza Rome (151-200)
Spain	13	(+4)	0		U Barcelona (151-200)
Netherlands	12		4	(+2)	Utrecht U (56)
Sweden	11		3	(-1)	Karolinska (48)
Belgium	7		2	(+2)	U Ghent (71)
Finland	6	(+1)	1		U Helsinki (67)
Austria	6		0	(-1)	U Vienna (151-200)
Denmark	5		2	(+1)	U Copenhagen (35)
Ireland	3		0		Trinity College (151-200)
Portugal	3	(+2)	0		U Lisbon (201-300)
Poland	2	(-1)	0		Jagiellonian U (301-400)
Greece	2		0		National U Athens (301-400)
Hungary	2		0		Eotvos Lorand U (401-500)
Slovenia	1	(+1)	0		U Ljubljana (401-500)
Czech Republic	1		0		Charles U Prague (201-300)
EU 28	192	(+1)	29	(-1)	U Cambridge (5)
USA	146	(-22)	51	(-2)	Harvard U (1)
China	44	(+26)	0		Peking U (101-150)
Japan	18	(-16)	4	(-1)	Tokyo U (21)
South Korea	12	(+4)	0		Seoul National U (101-150)



More info: <http://www.shanghairanking.com/>

2. Data from IFR on the supply of industrial robots



Source IFR Statistical Department

In March the Statistical Department of the International Federation of Robotics (IFR) has published data on the supply of industrial robots in 2014. China is now the largest market for industrial robots (56 000 robots in 2014, of which 40 000 from international suppliers and 16 000

from Chinese suppliers, while Japan is still the leading producer of robots), driven by a strong increase in Chinese manufacturing wages, followed by Korea and Japan. Germany is by far the largest market in the EU. The car industry is the sector that absorbs most robots.

More info: http://www.worldrobotics.org/index.php?id=home&news_id=281

3. Global Startup Ecosystems Report 2015 by Compass

	Ranking		Performance	Funding	Market Reach	Talent	Startup Exp.	Growth Index
Silicon Valley	1	↔	1	1	4	1	1	2.1
New York City	2	▲ 3	2	2	1	9	4	1.8
Los Angeles	3	↔	4	4	2	10	5	1.8
Boston	4	▲ 2	3	3	7	12	7	2.7
Tel Aviv	5	▼ 3	6	5	13	3	6	2.9
London	6	▲ 1	5	10	3	7	13	3.3
Chicago	7	▲ 3	8	12	5	11	14	2.8
Seattle	8	▼ 4	12	11	12	4	3	2.1
Berlin	9	▲ 6	7	8	19	8	8	10
Singapore	10	▲ 7	11	9	9	20	9	1.9
Paris	11	↔	13	13	6	16	15	1.3
Sao Paulo	12	▲ 1	9	7	11	19	19	3.5
Moscow	13	▲ 1	17	15	8	2	20	1.0
Austin	14	NEW	16	14	18	5	2	1.9
Bangalore	15	▲ 4	10	6	20	17	12	4.9
Sydney	16	▼ 4	20	16	17	6	10	1.1
Toronto	17	▼ 9	14	18	14	15	18	1.3
Vancouver	18	▼ 9	18	19	15	14	11	1.2
Amsterdam	19	NEW	15	20	10	18	16	3.0
Montreal	20	NEW	19	17	16	13	17	1.5

The Global Startup Ecosystems Report prepared in 2012 has been recently updated by Compass. Silicon Valley is still ranked as the best startup ecosystem, followed by New York City and Los Angeles. The best EU startup ecosystems are London, Berlin and Paris. Berlin is the European startup ecosystem, which has improved most since 2012.

The index does not include yet startup ecosystems from China, Japan, South Korea and Taiwan as a result of data gaps. However a later edition of the report might include these countries. The report expects Beijing to rank in the top 5 and Shanghai to rank in the top 15.

More info: <http://startup-ecosystem.compass.co/ser2015/>
 2012 report: <http://blog.startupcompass.co/the-startup-ecosystem-report-2012-is-live>

Calendar of data releases and indicator based publications Update of: 20/8/2015 (grey= already published)			
2015	Eurostat data updates	Commission indicator based reports	Data and indicator based reports other organisations
January			
February	GBAORD final (2013) Tertiary attainment (2014, prov.) High growth enterprises data (provisional, 2013) IPR (patent 2012), Community Trademarks (2013), RCD (2013)	Winter forecast (ECFIN)	European Patent Office , EPO annual results (2014)
March	R&D intensity (2013 update)	Europe 2020 publication (ESTAT)	Times Higher Ed. World Reputations Ranking OICA world motor vehicle production data IFR Industrial Robot supply
April	Education headline indicators (LFS)	Skills forecast (Cedefop)	OECD R&D expenditure data
May	High tech trade (2014) Venture capital (2014) Education enrolment, graduates	Innovation Union Scoreboard (GROW) Spring Forecast (ECFIN)	IMD World Competitiveness Yearbook European Venture Capital Association (EVCA) 2014 European Private Equity Report
June	Education spending		
July	IPR (Patents, 2012), Community Trademarks (2014), RC Designs (2014) Knowledge intensive activities (2014)		UNESCO UIS STI stats release
August			Academic Ranking of World Universities (Shanghai)
September	GBAORD (2014 preliminary) Employment high-tech (2014) HRST (stocks and job mobility, 2014) Final high growth enterprise data (2013)		WEF Global Competitiveness Report WIPO/Cornell/INSEAD Global Innovation Index OECD Education at a Glance
October		European Competitiveness report (GROW)	World Bank Doing Business OECD STI Scoreboard (2-yearly) BDI/Telekom Innovation Indicator
November	R&D intensity (2014 preliminary, 2013 final) Economic data on high-tech (2014) HRST (education inflows, 2013)	Education Monitor (EAC) Autumn Forecast (ECFIN) Industrial R&D Investment Scoreboard (JRC) Annual Growth Survey (ECFIN)	Top500.org: Top 500 Supercomputer list
December	ICT household data (2015) ICT enterprise data (2015) IPR Statistics (patents 2013), CTM (2014), RCD (2014)	SheFigures (3-yearly (RTD)) Joint Employment Report (EMPL)	WIPO World Intellectual Property Indicators

Contact for more information: Richard Deiss (unit A4, Tel 64881), Cristina Moise (97934)