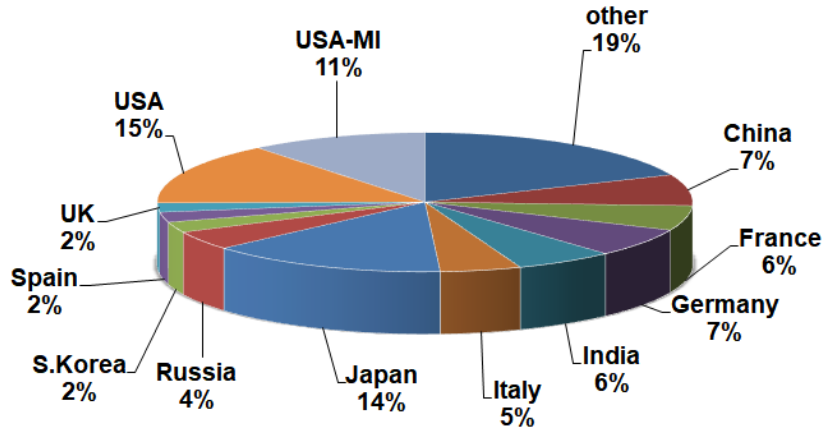
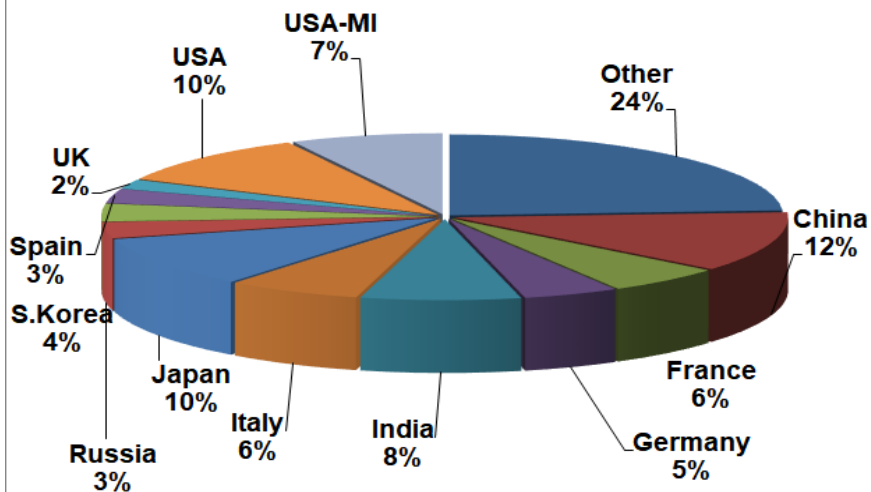


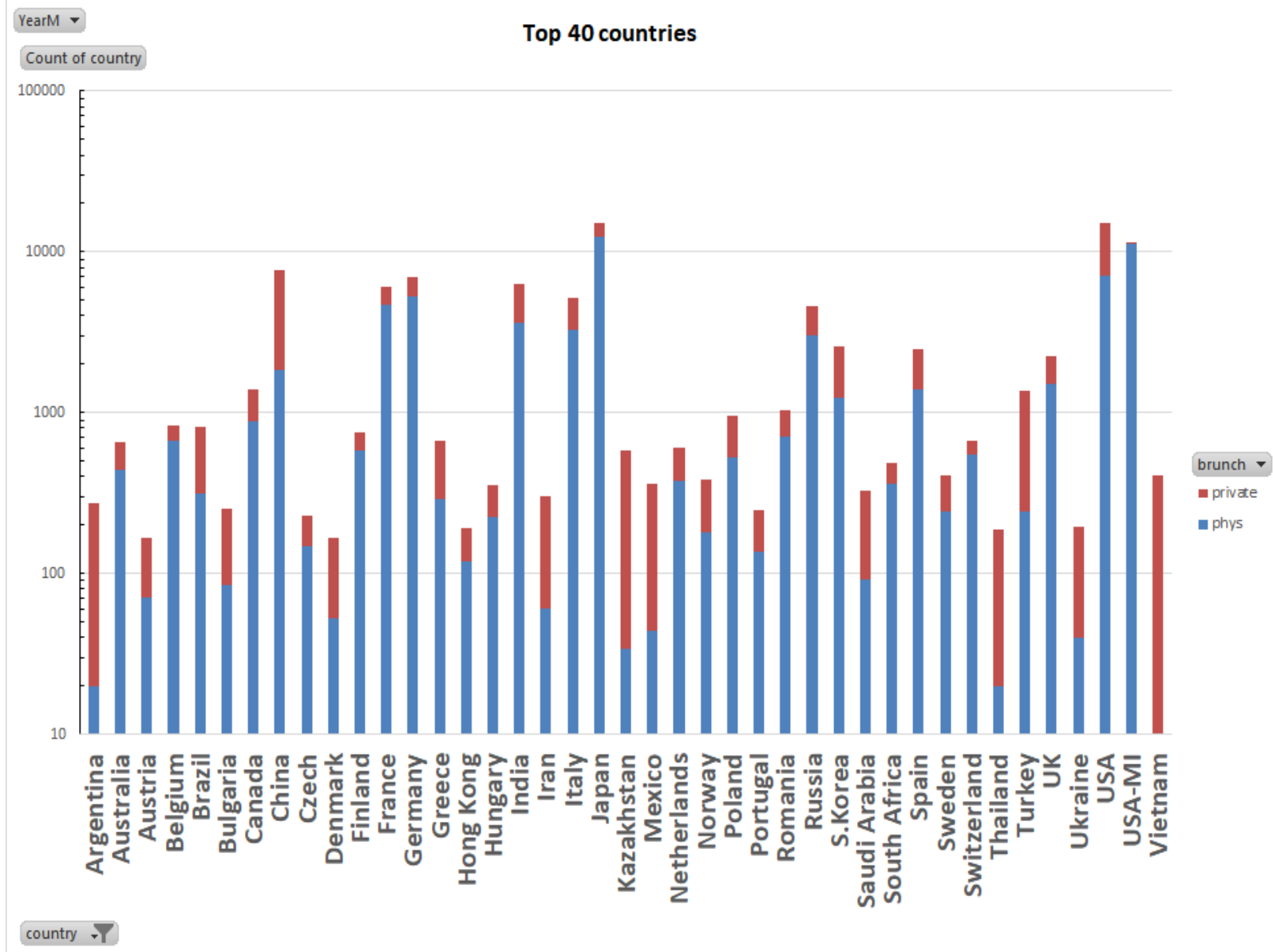
The LISE++ code geography



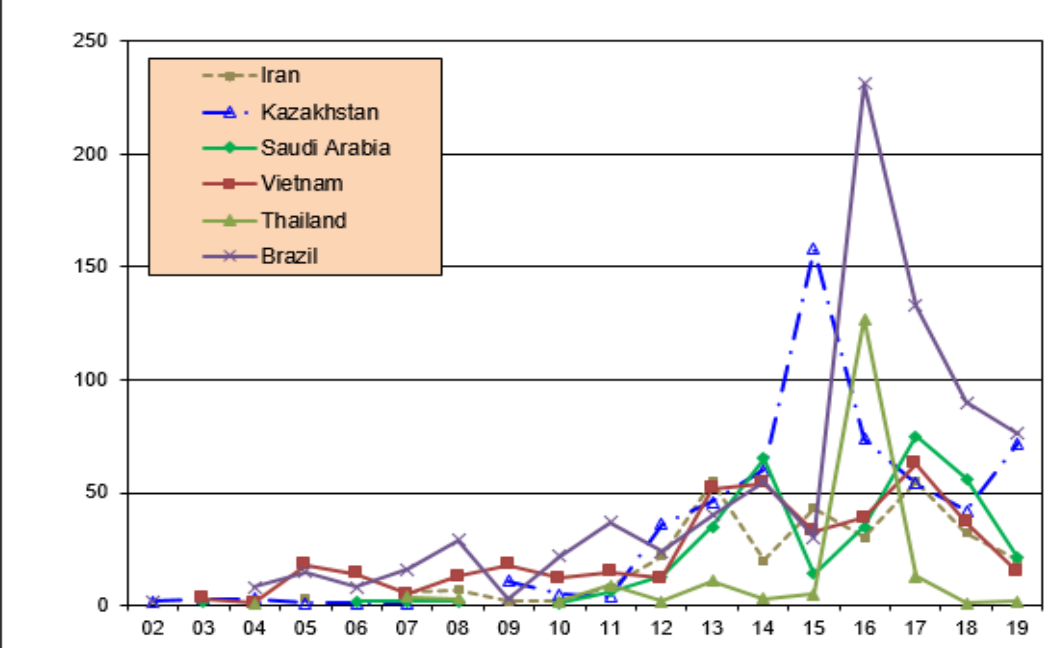
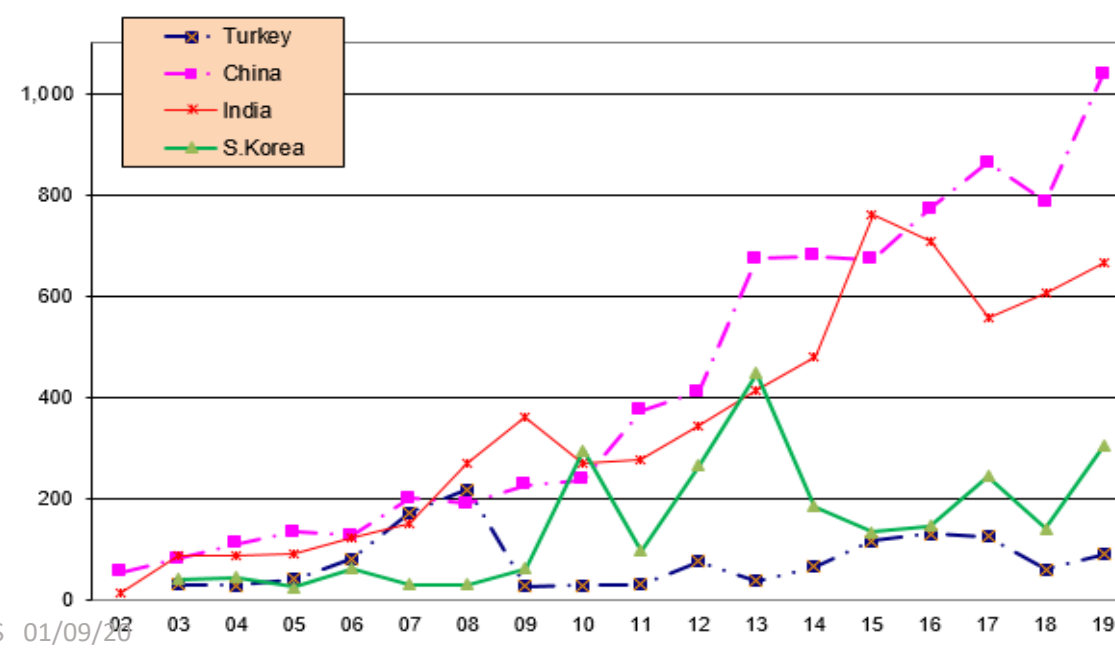
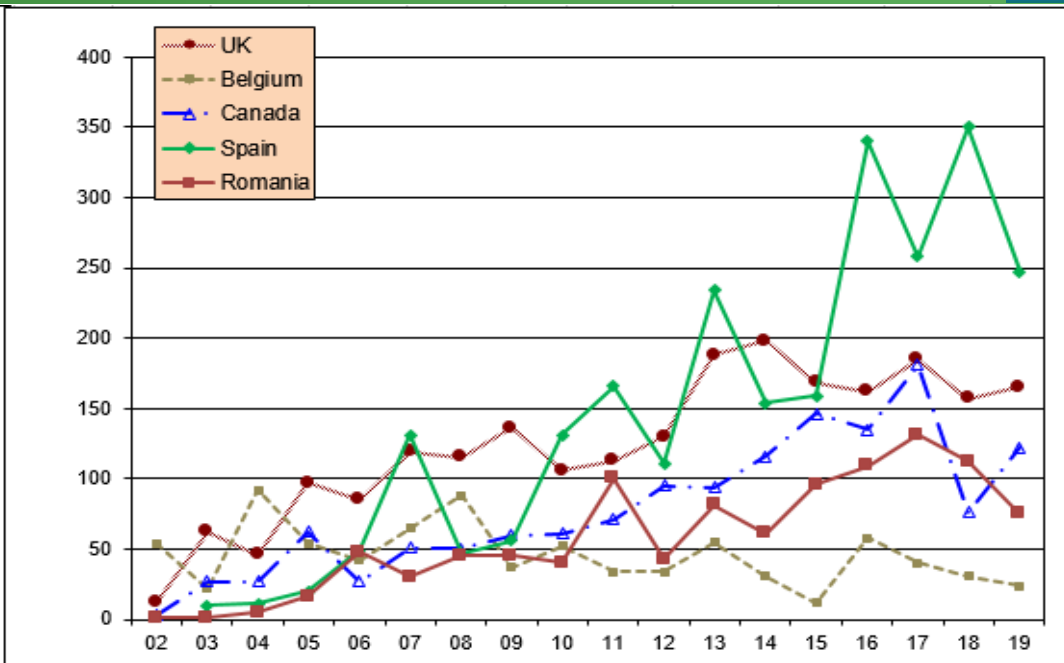
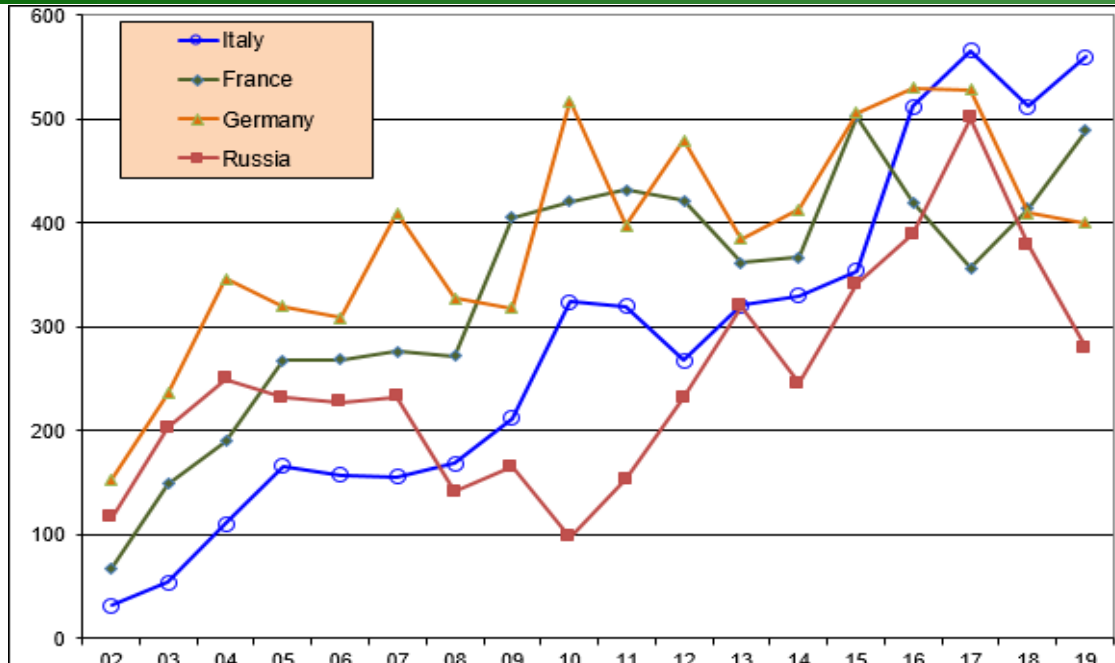
The LISE++ code geography (last 2019 year)



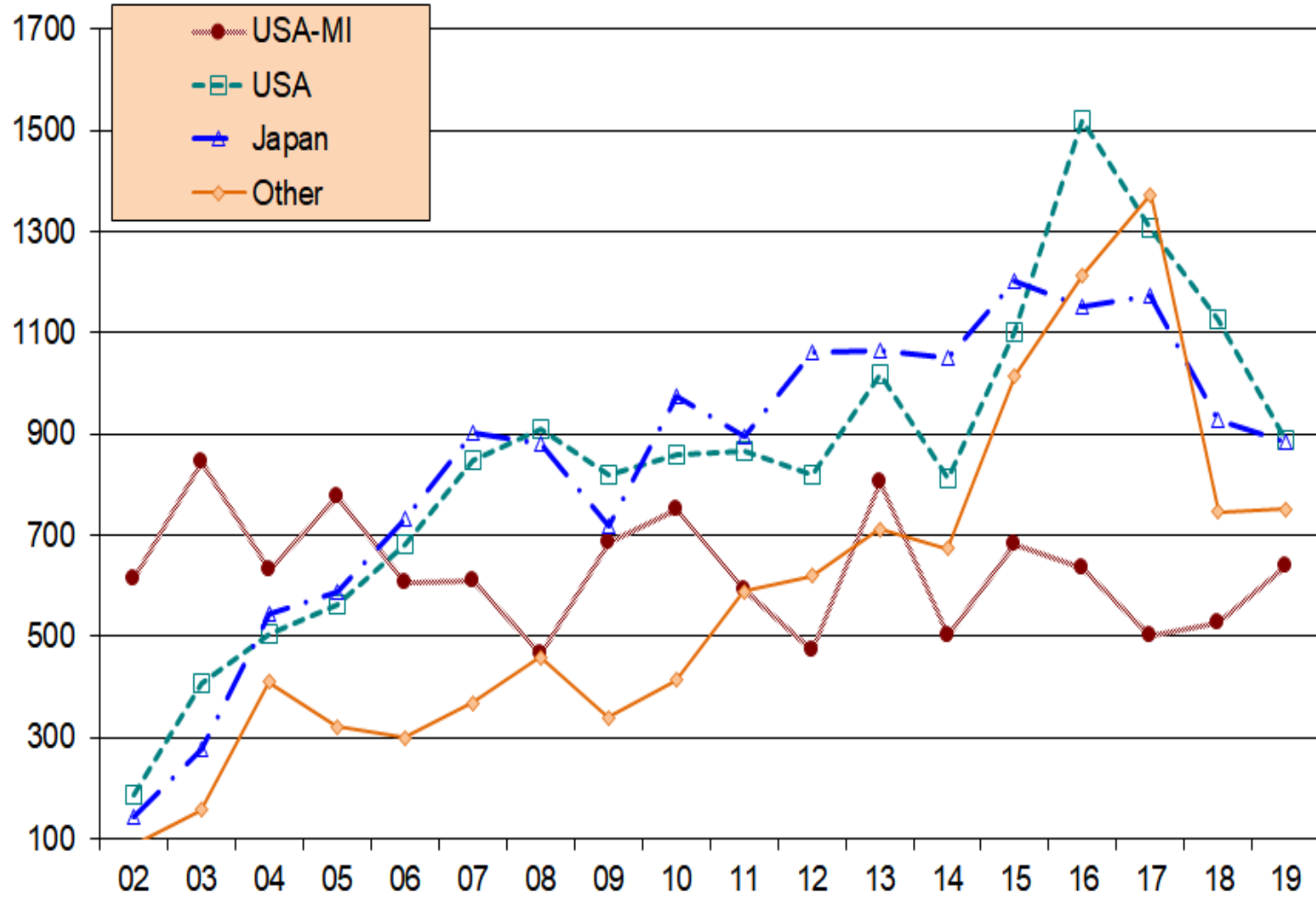
Top 40 countries



By countries per year (1)



By countries per year (2)

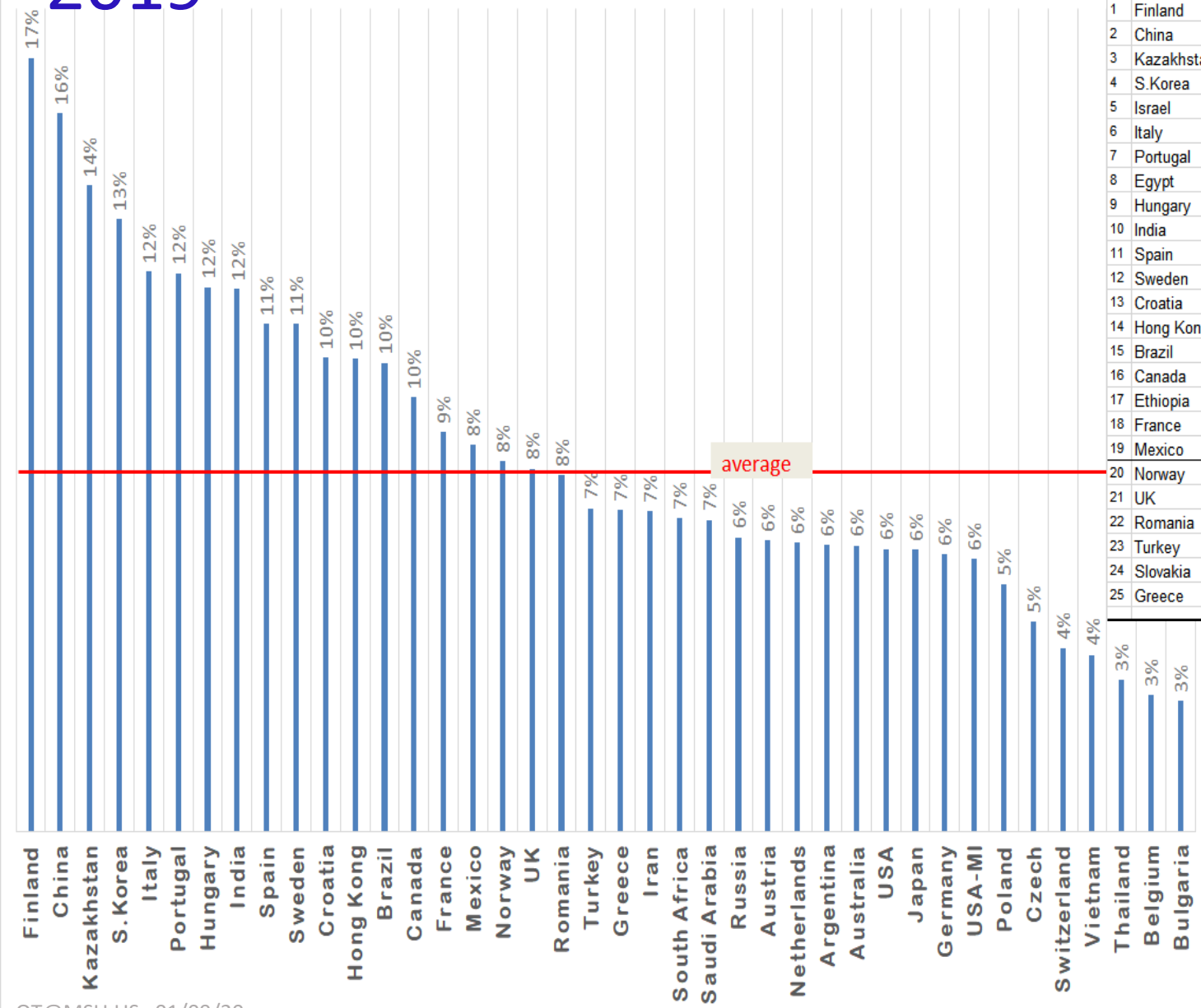


difference		difference		difference	
country	17-16	country	18-17	country	19-18
Other	159	Spain	92	China	252
Russia	112	France	57	S.Korea	163
S.Korea	98	India	49	USA-MI	114
China	91	USA-MI	23	Other	89
Italy	54	Belgium	-9	France	75
Canada	46	Kazakhstan	-12	India	60
Saudi Arabia	40	Thailand	-12	Italy	48
Iran	25	Romania	-19	Canada	46
Vietnam	24	Saudi Arabia	-19	Kazakhstan	30
UK	23	Iran	-23	Turkey	29
Romania	22	Vietnam	-26	UK	8
Japan	19	UK	-28	Thailand	1
Germany	-2	Brazil	-43	Belgium	-7
Turkey	-6	Italy	-54	Germany	-10
Belgium	-18	Turkey	-64	Iran	-12
Kazakhstan	-20	China	-77	Brazil	-14
France	-63	S.Korea	-104	Vietnam	-22
Spain	-82	Canada	-105	Saudi Arabia	-35
Brazil	-98	Germany	-118	Romania	-37
Thailand	-114	Russia	-122	Japan	-44
USA-MI	-133	USA	-181	Russia	-99
India	-150	Japan	-245	Spain	-103
USA	-213	Other	-626	USA	-239
bot	103	bot	40	bot	507
Total no bots	-186	Total no bots	-1666	Total no bots	209
Total with bots	-83	Total with bots	-1626	Total with bots	716

Countries : Progress – Regress (2019)

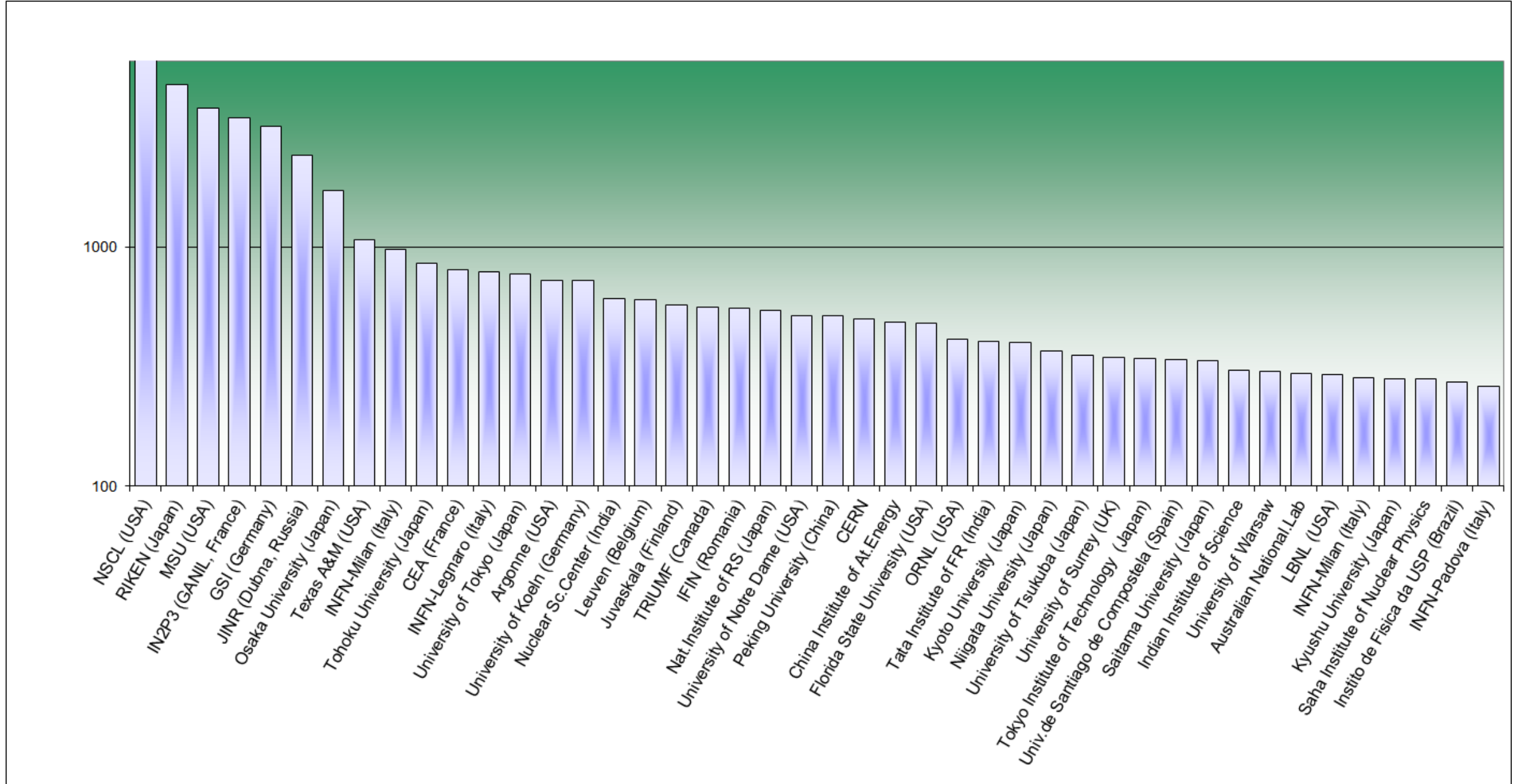
2019

TOP 40 COUNTRIES: RATIO OF 2019 / SUM(2002:2018)

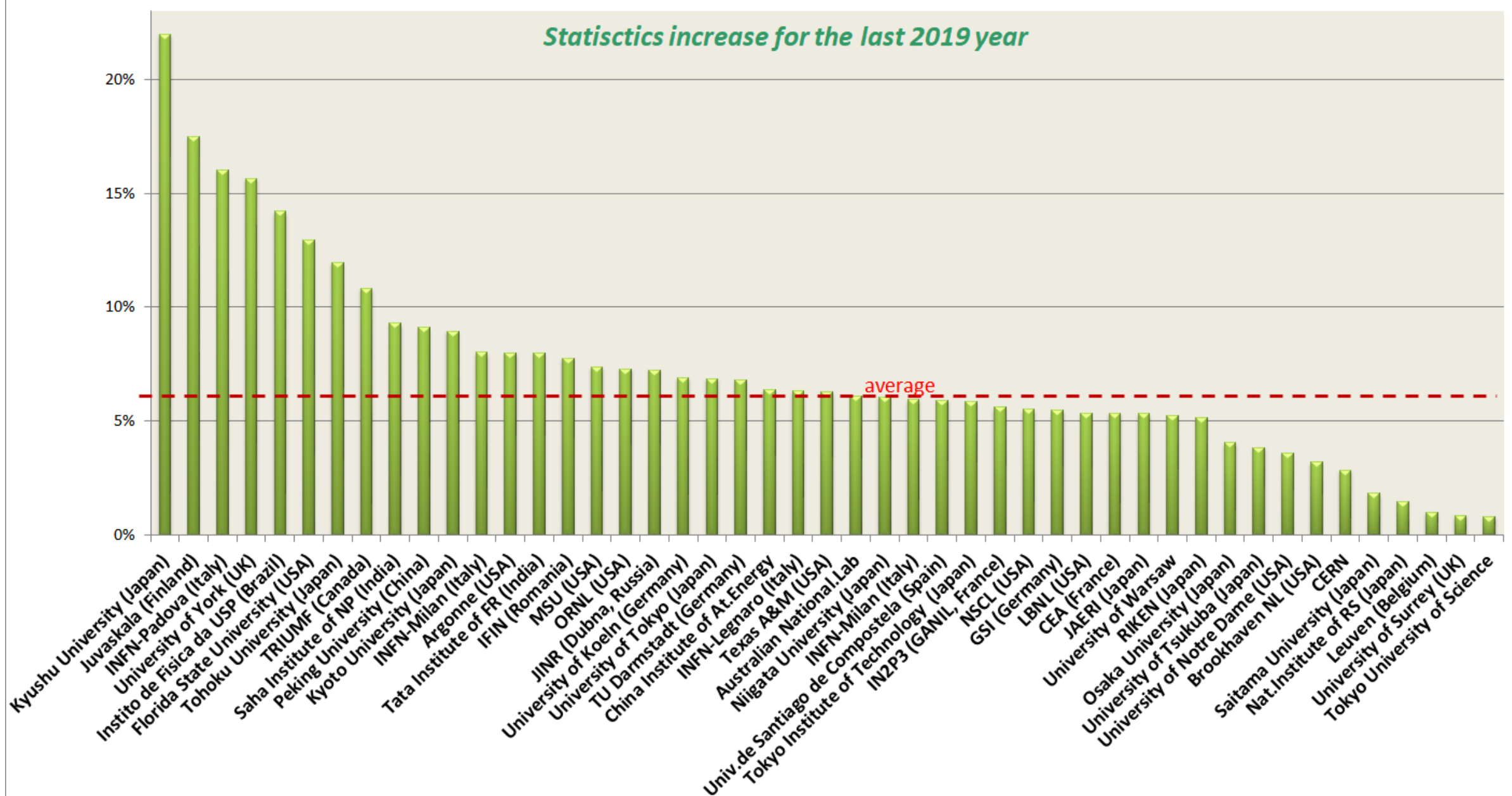


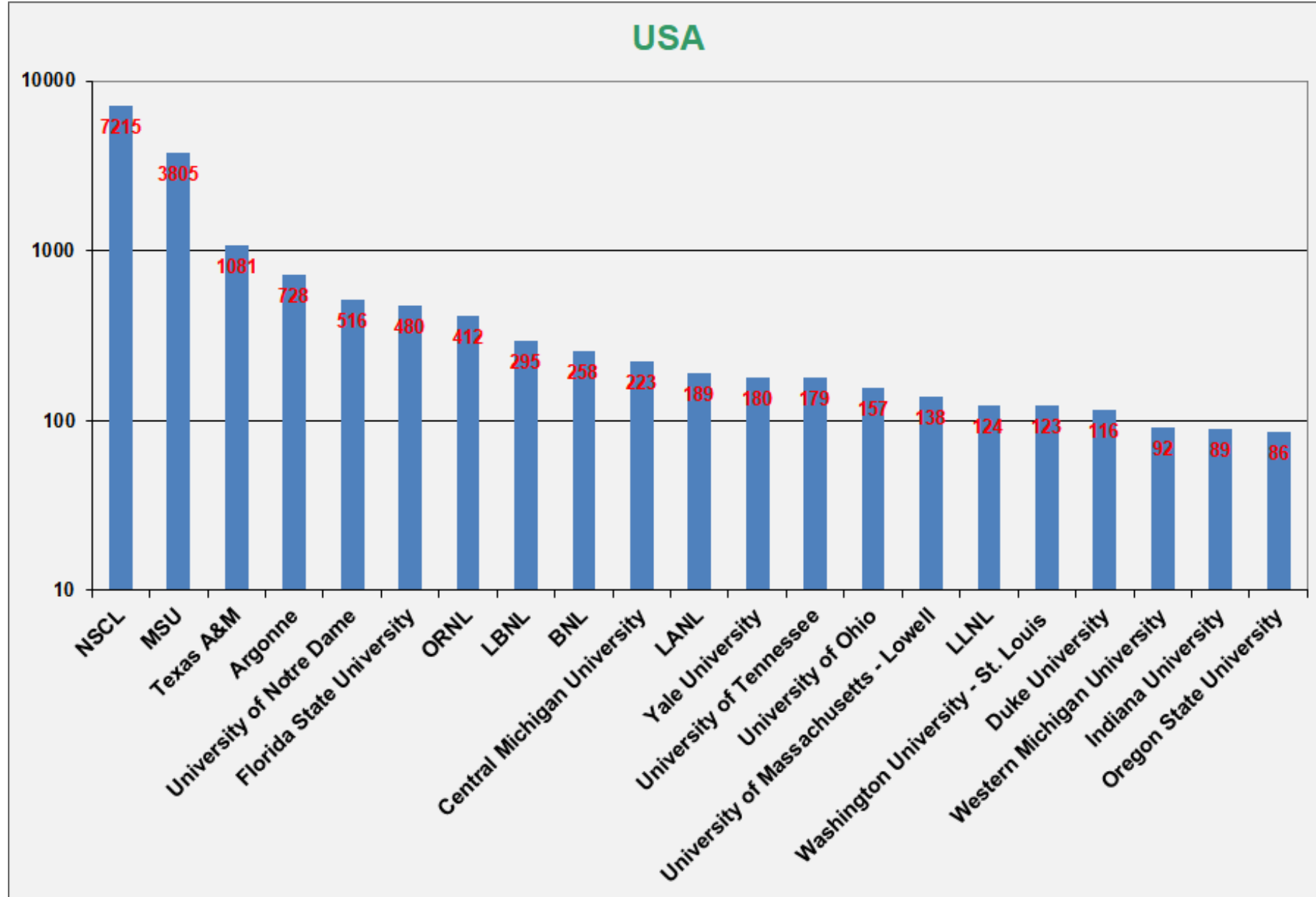
country	Total (...-2018)	2019	2019 / Total	country	Total (...-2018)	2019	2019 / Total
1 Finland	650	110	17%	26 Iran	285	20	7%
2 China	6609	1038	16%	27 South Africa	452	31	7%
3 Kazakhstan	509	72	14%	28 Saudi Arabia	308	21	7%
4 S.Korea	2276	305	13%	29 Russia	4347	280	6%
5 Israel	105	13	12%	30 Austria	157	10	6%
6 Italy	4572	560	12%	31 Netherlands	570	36	6%
7 Portugal	221	27	12%	32 Argentina	255	16	6%
8 Egypt	117	14	12%	33 Australia	623	39	6%
9 Hungary	319	38	12%	34 USA	14348	887	6%
10 India	5626	668	12%	35 Japan	14297	883	6%
11 Spain	2222	247	11%	36 Germany	6590	400	6%
12 Sweden	369	41	11%	37 USA-MI	10696	639	6%
13 Croatia	135	14	10%	38 Denmark	158	9	6%
14 Hong Kong	174	18	10%	39 Iraq	127	7	6%
15 Brazil	741	76	10%	40 Poland	907	49	5%
16 Canada	1282	122	10%	41 Czech	218	10	5%
17 Ethiopia	99	9	9%	42 Switzerland	648	26	4%
18 France	5591	489	9%	43 Vietnam	388	15	4%
19 Mexico	331	28	8%	44 Thailand	181	6	3%
20 Norway	358	29	8%	45 Belgium	801	24	3%
21 UK	2078	165	8%	46 Bulgaria	245	7	3%
22 Romania	962	75	8%	47 Ukraine	189	5	3%
23 Turkey	1286	91	7%	48 Colombia	115	2	2%
24 Slovakia	99	7	7%	49 Serbia	145	2	1%
25 Greece	625	44	7%	50 Thailand	180	1	1%

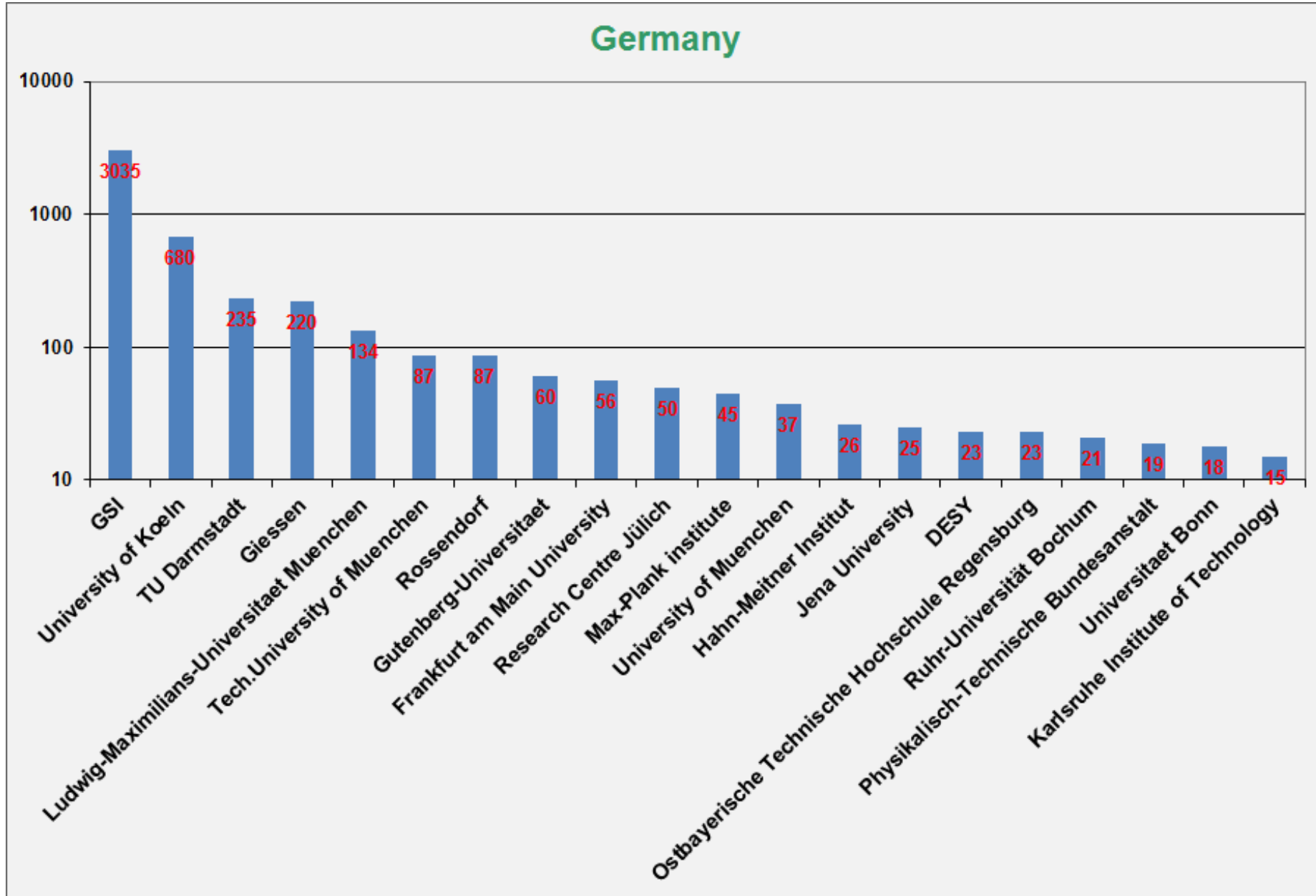
Laboratories (absolute values) : 2019

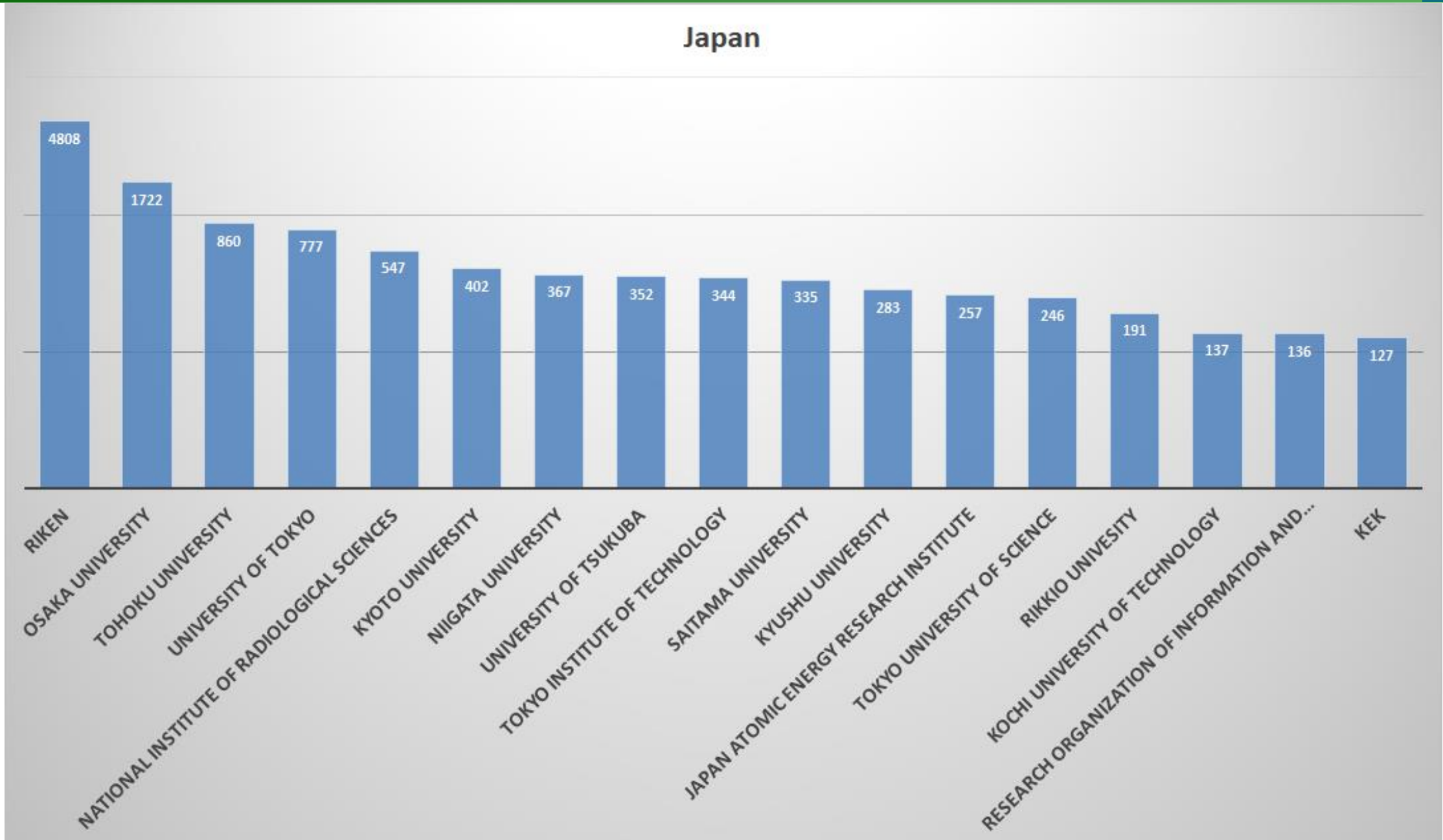


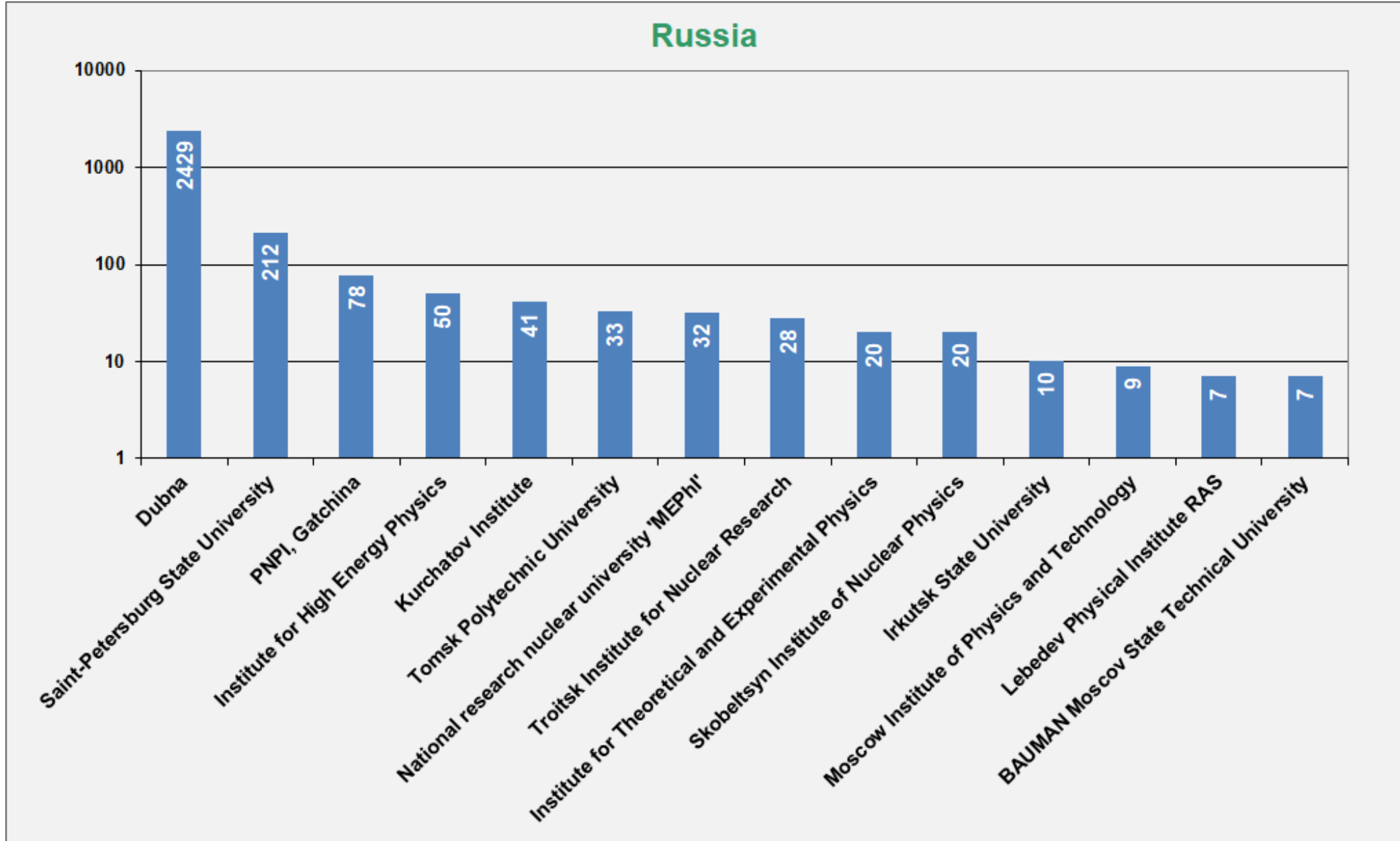
Statistics increase for the last 2019 year

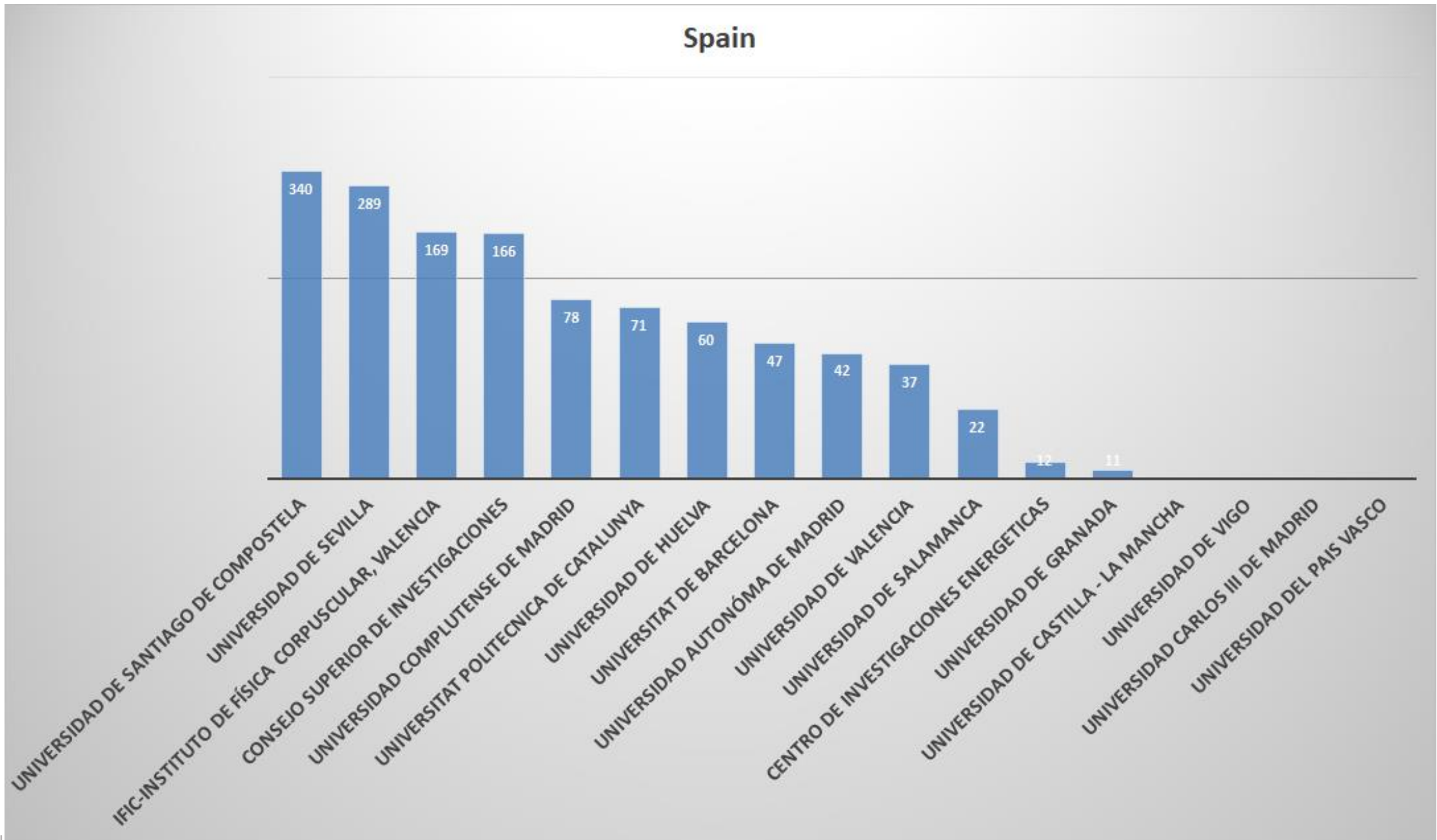


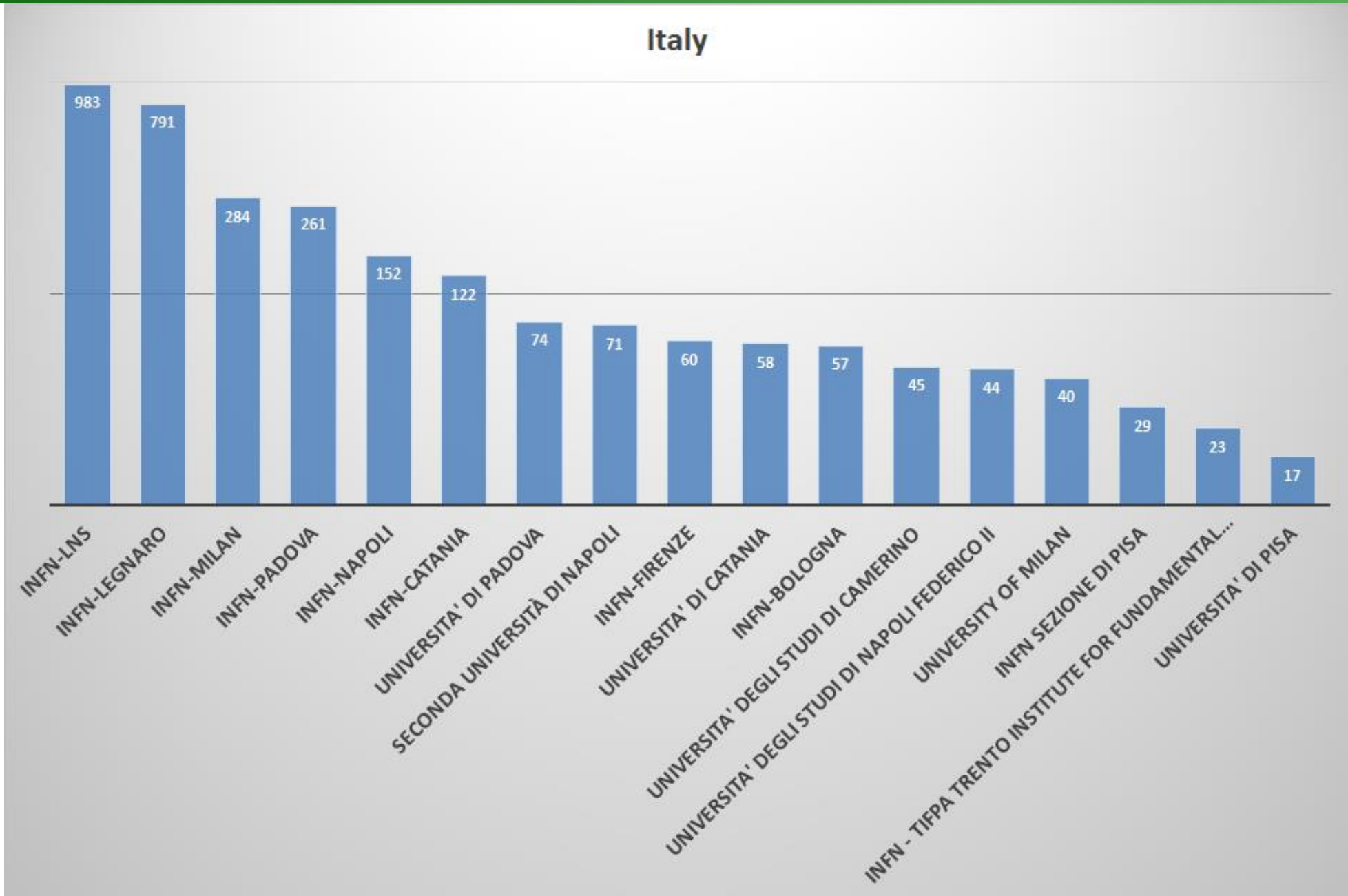


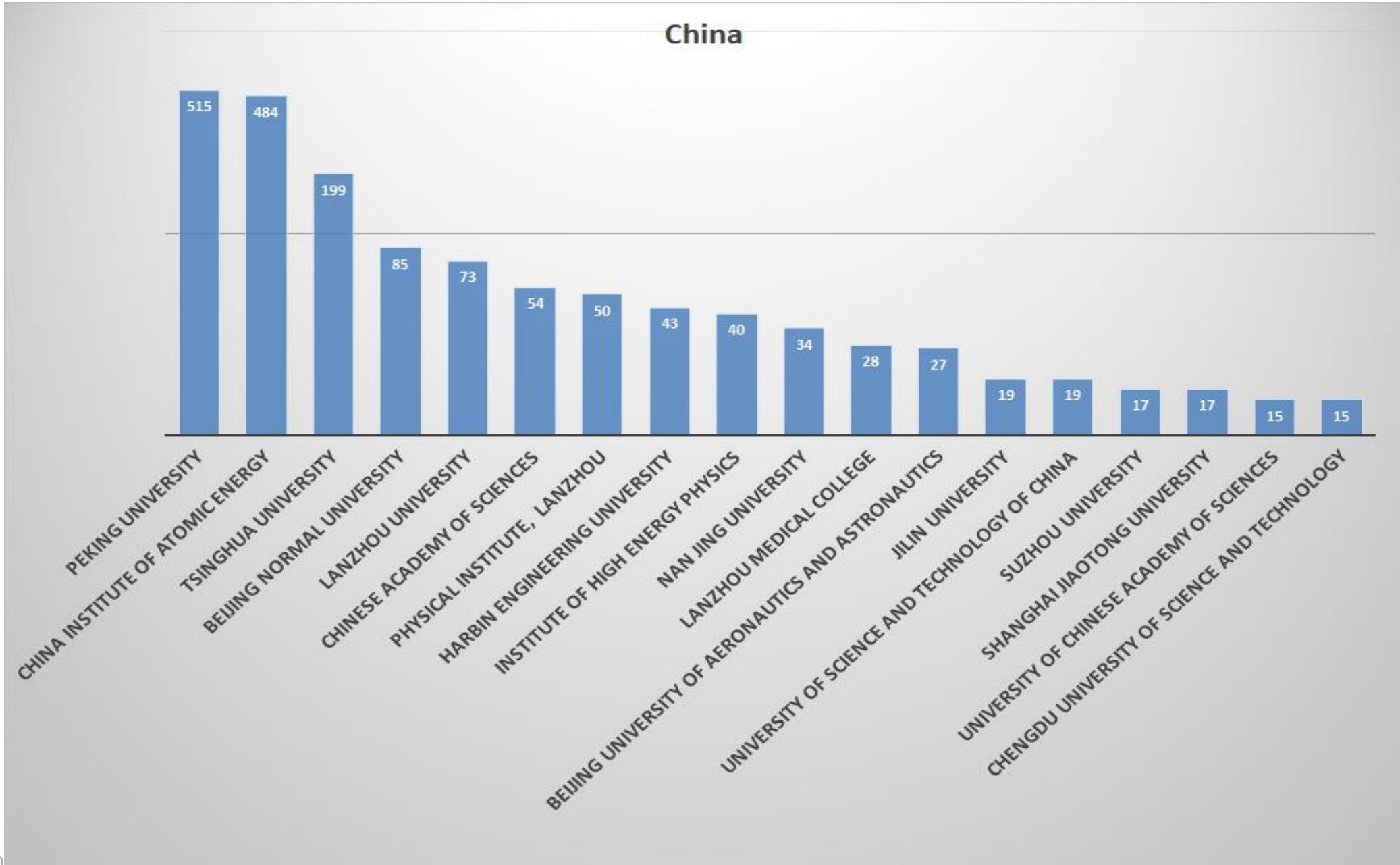












5031	1257	615	1259	297	26	174
Windows	UNIX	Android	iOS	iPhone	iPad	other

X11/(Win+X11+Mac)	or
16.7%	1/6

