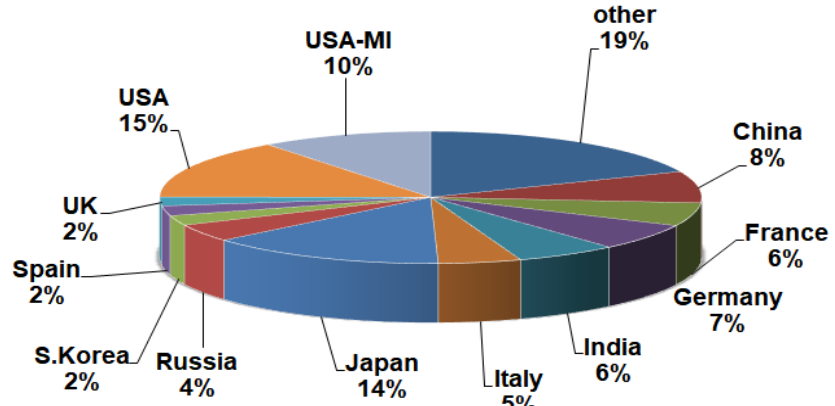
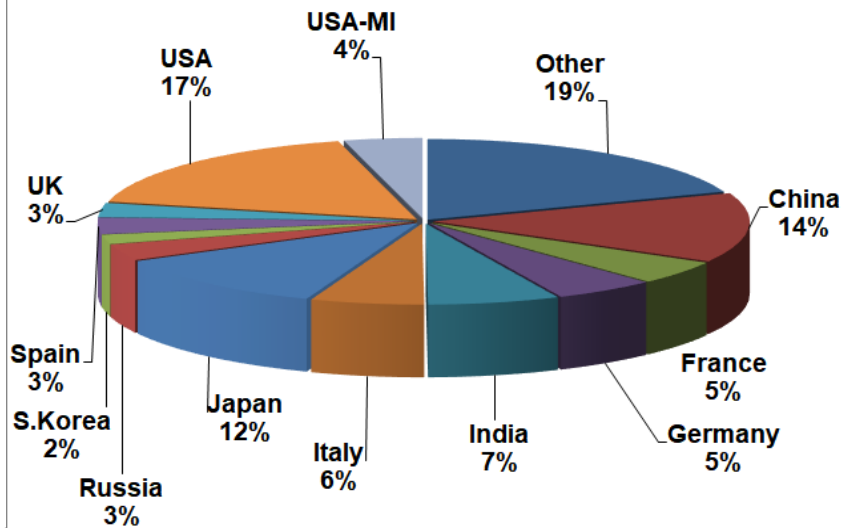


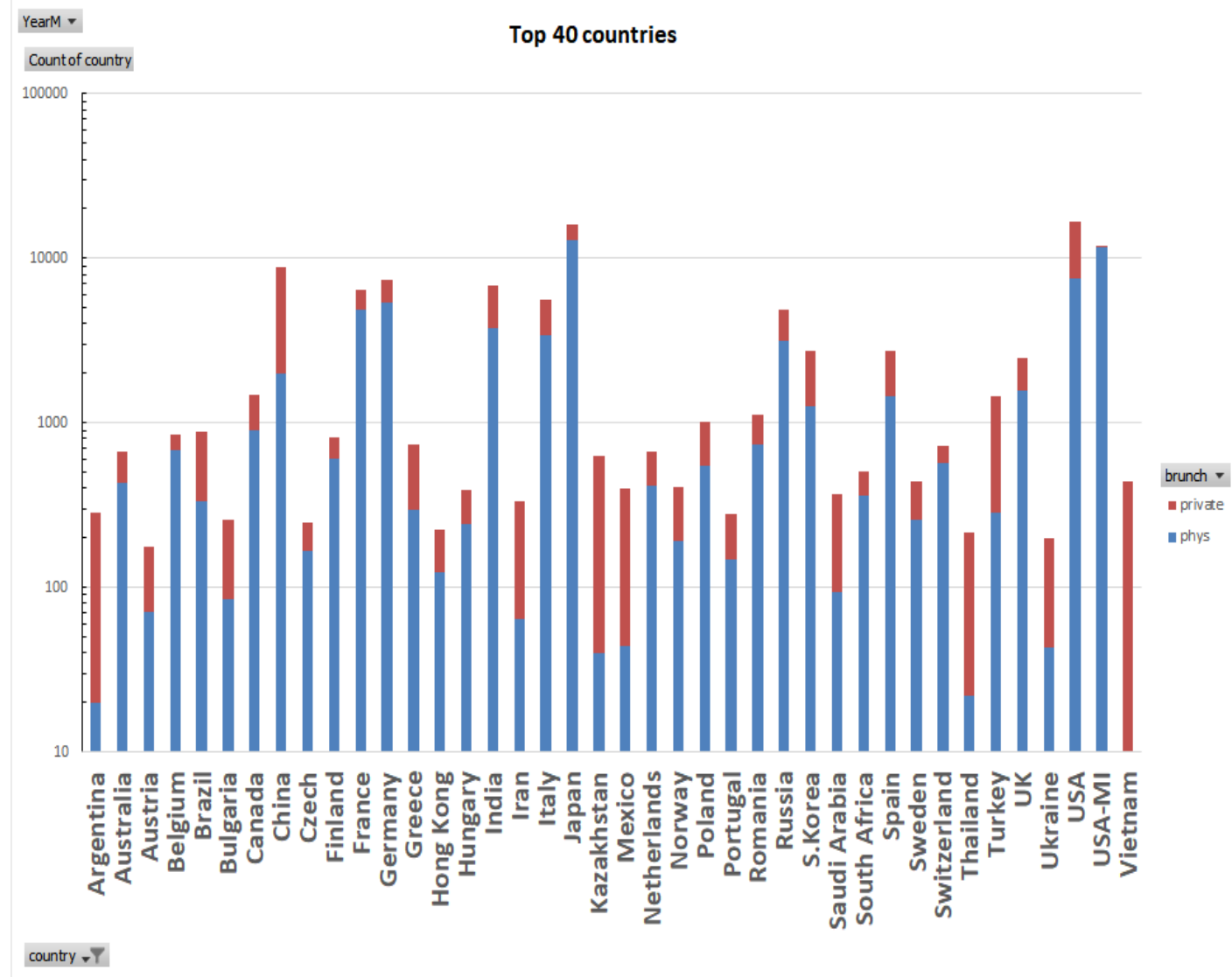
The LISE++ code geography



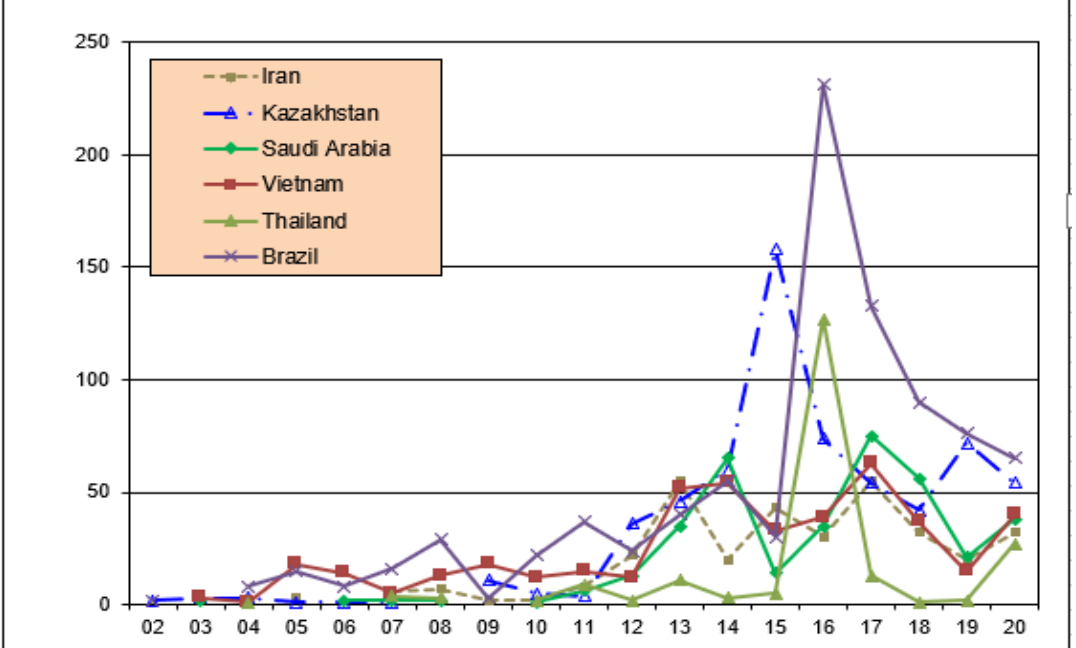
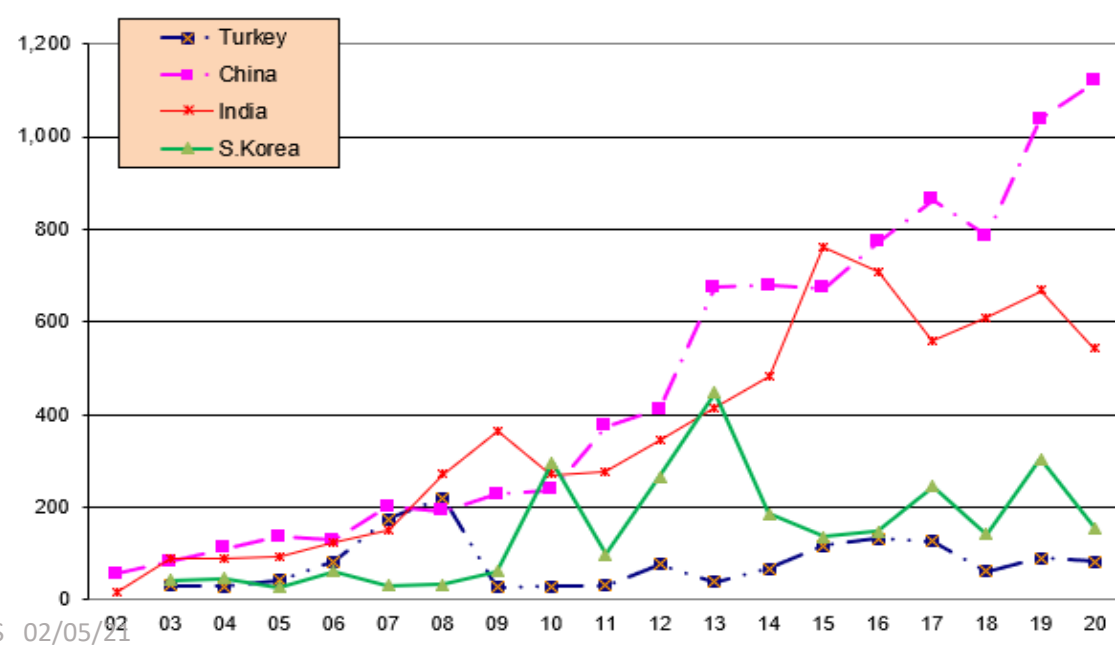
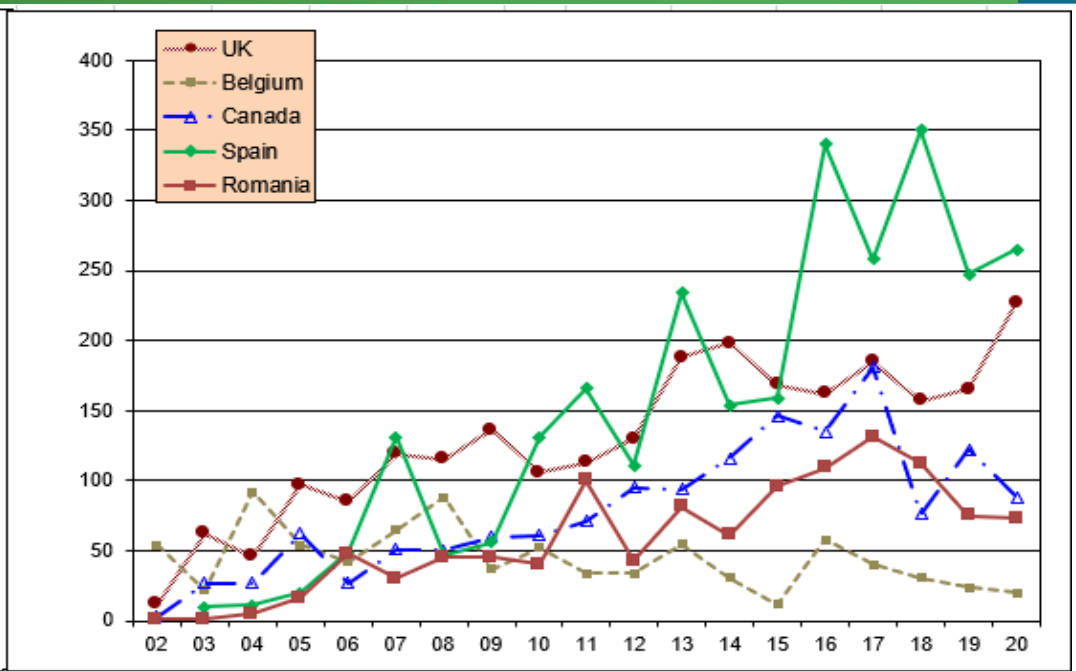
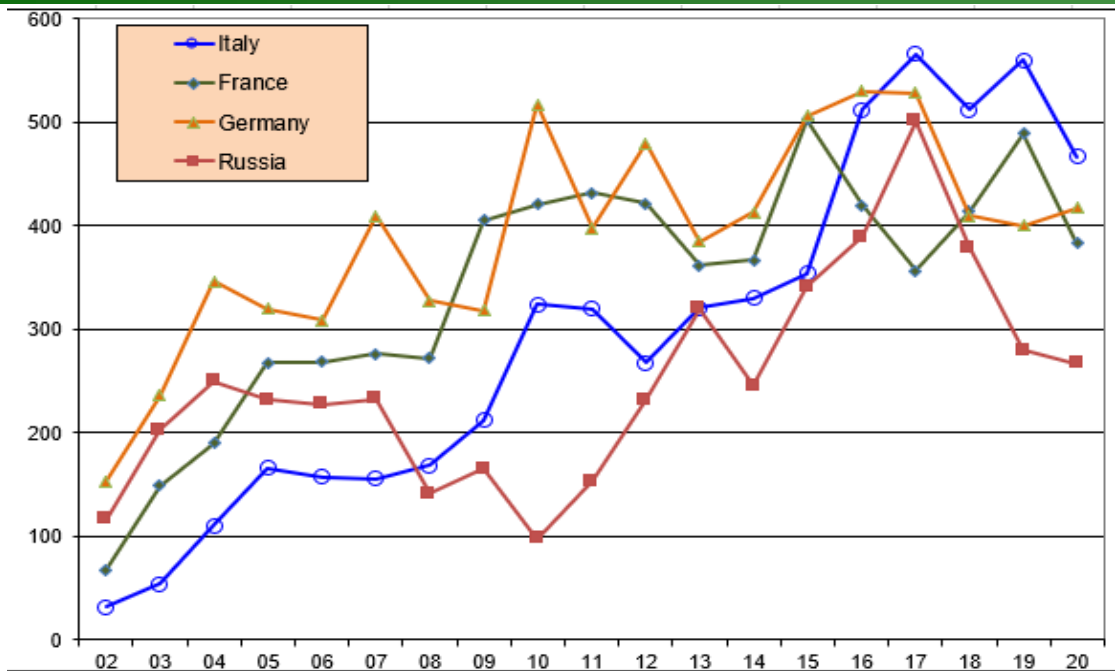
The LISE++ code geography (last 2020 year)



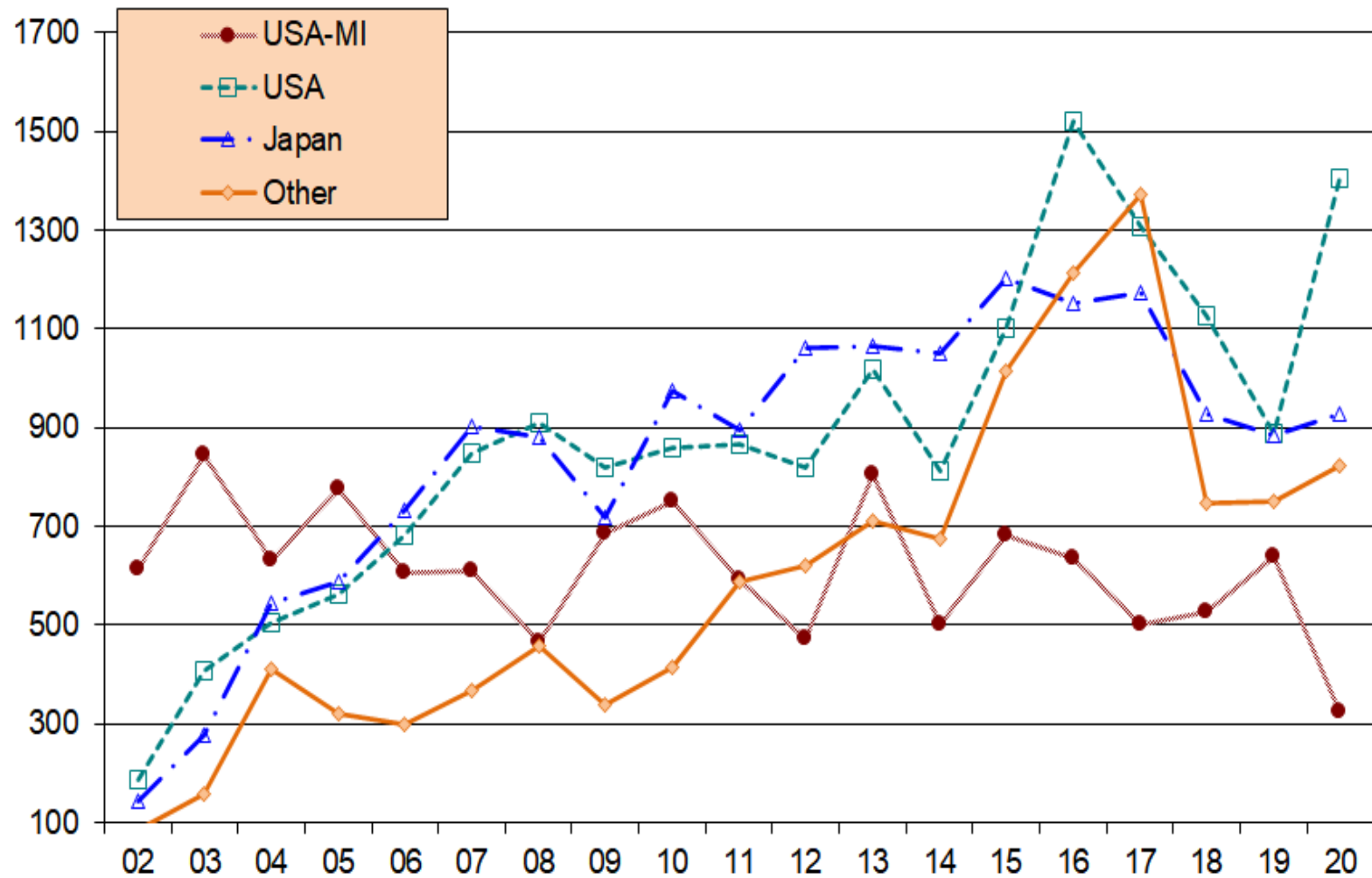
Top 40 countries



By countries per year (1)



By countries per year (2)

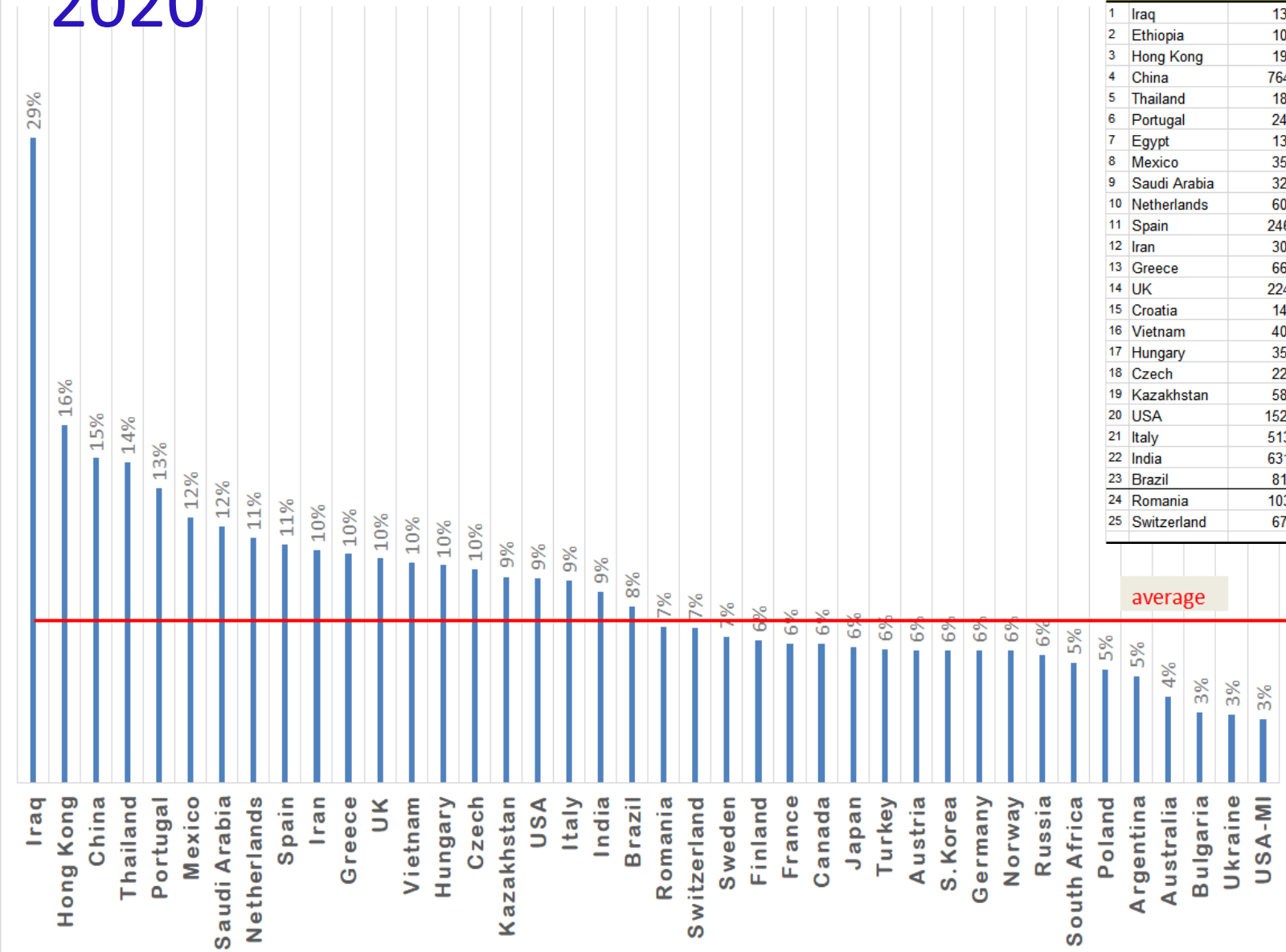


difference		difference	
country	19-18	country	20-19
China	252	USA	518
S.Korea	163	China	81
USA-MI	114	Other	70
Other	89	UK	62
France	75	Japan	46
India	60	Vietnam	25
Italy	48	Thailand	25
Canada	46	Spain	18
Kazakhstan	30	Germany	17
Turkey	29	Saudi Arabia	17
UK	8	Iran	12
Thailand	1	Romania	-2
Belgium	-7	Belgium	-4
Germany	-10	Turkey	-8
Iran	-12	Brazil	-11
Brazil	-14	Russia	-13
Vietnam	-22	Kazakhstan	-18
Saudi Arabia	-35	Canada	-34
Romania	-37	Italy	-93
Japan	-44	France	-106
Russia	-99	India	-126
Spain	-103	S.Korea	-151
USA	-239	USA-MI	-316
bot	507	bot	-586
total no bots	209	Total no bots	9
total with botl	716	Total with botl	-577

Countries : Progress – Regress (2020)

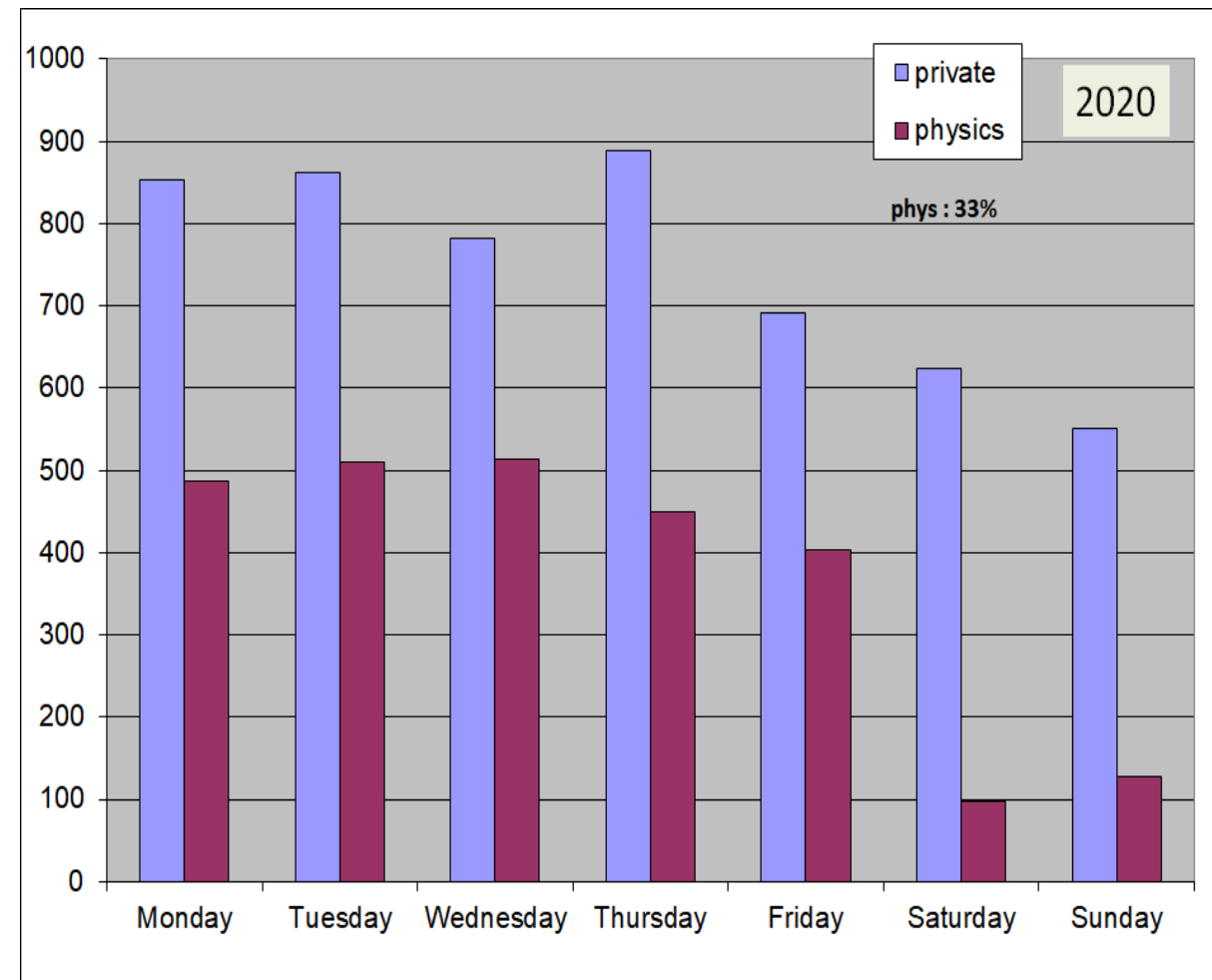
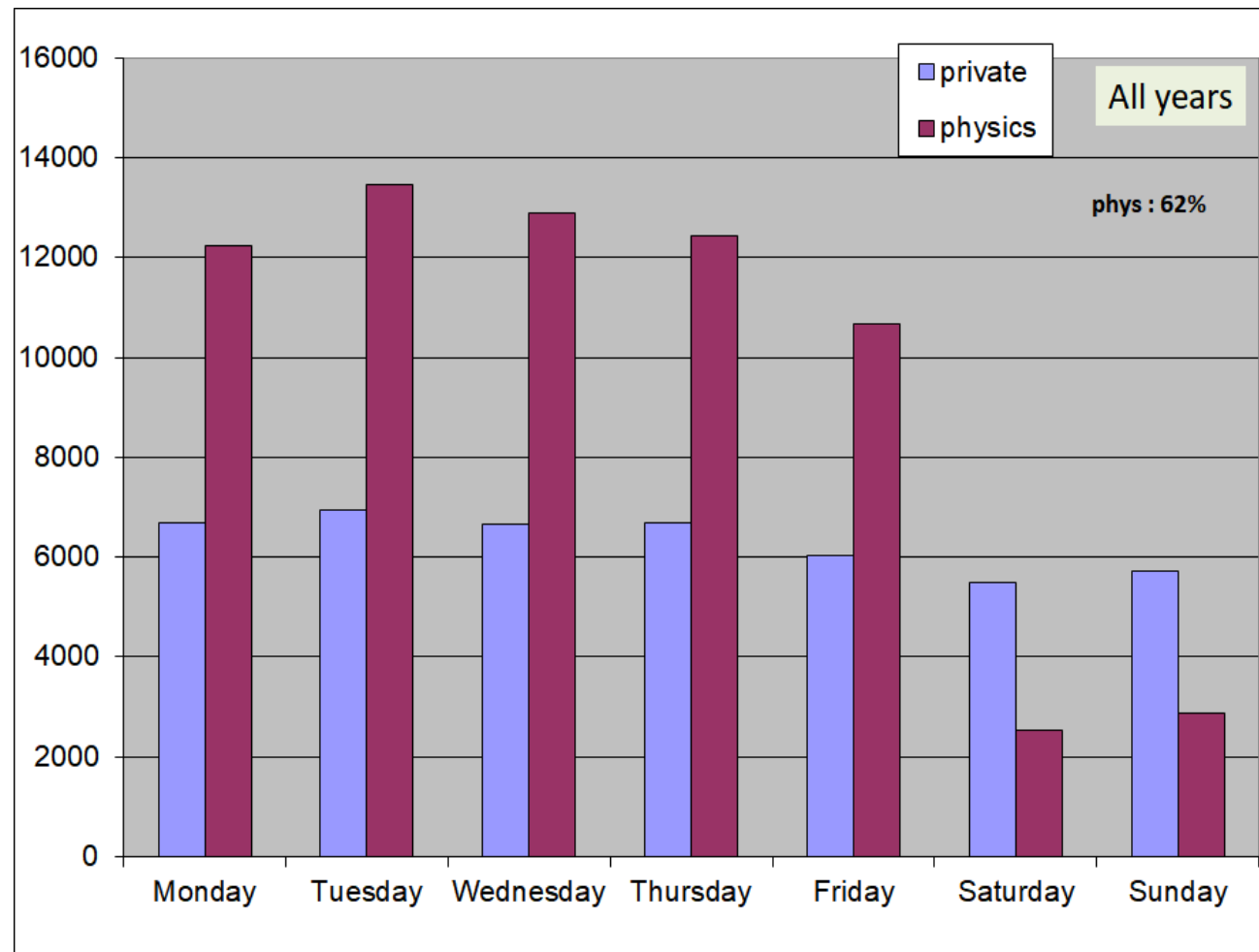
2020

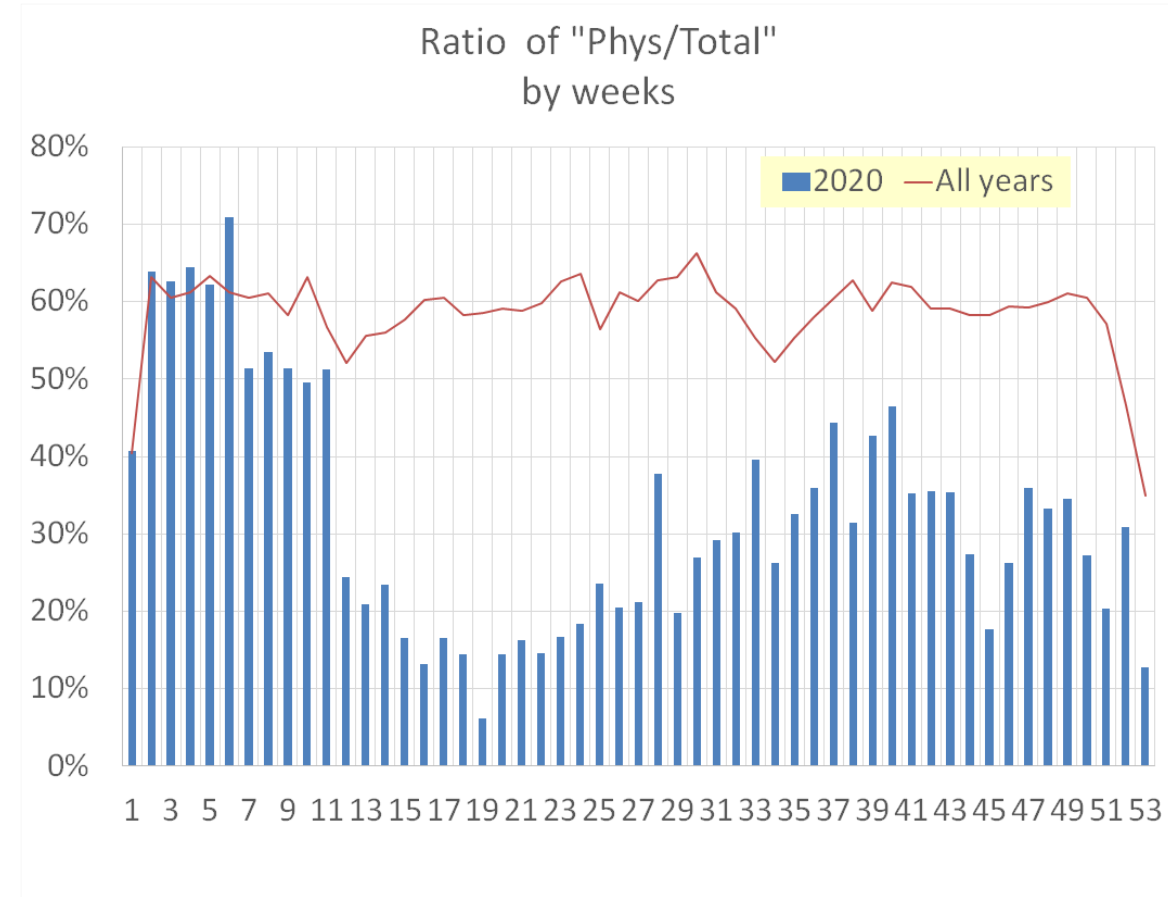
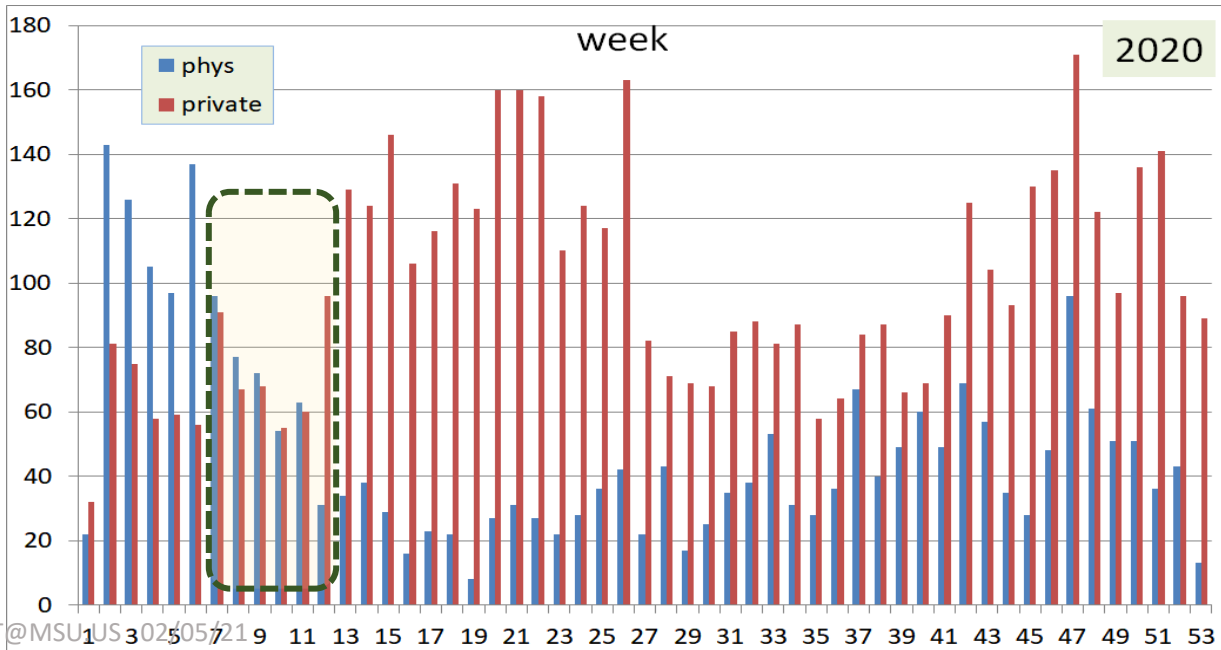
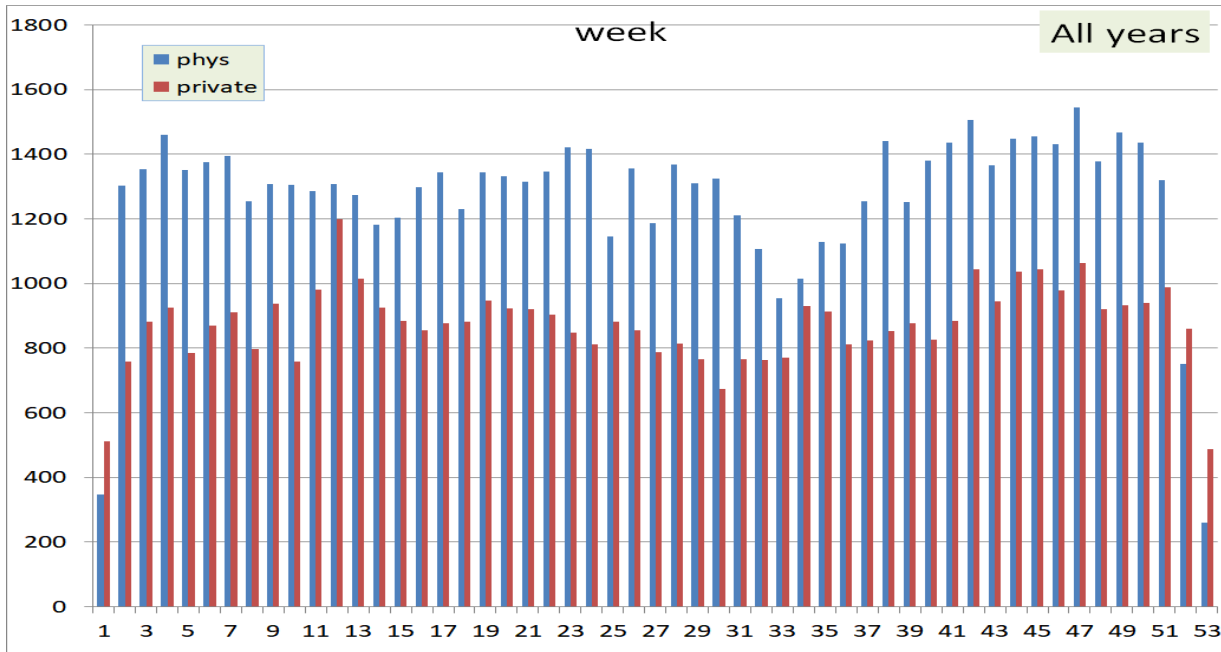
TOP 40 COUNTRIES : RATIO OF 2020 / SUM(2002:2019)

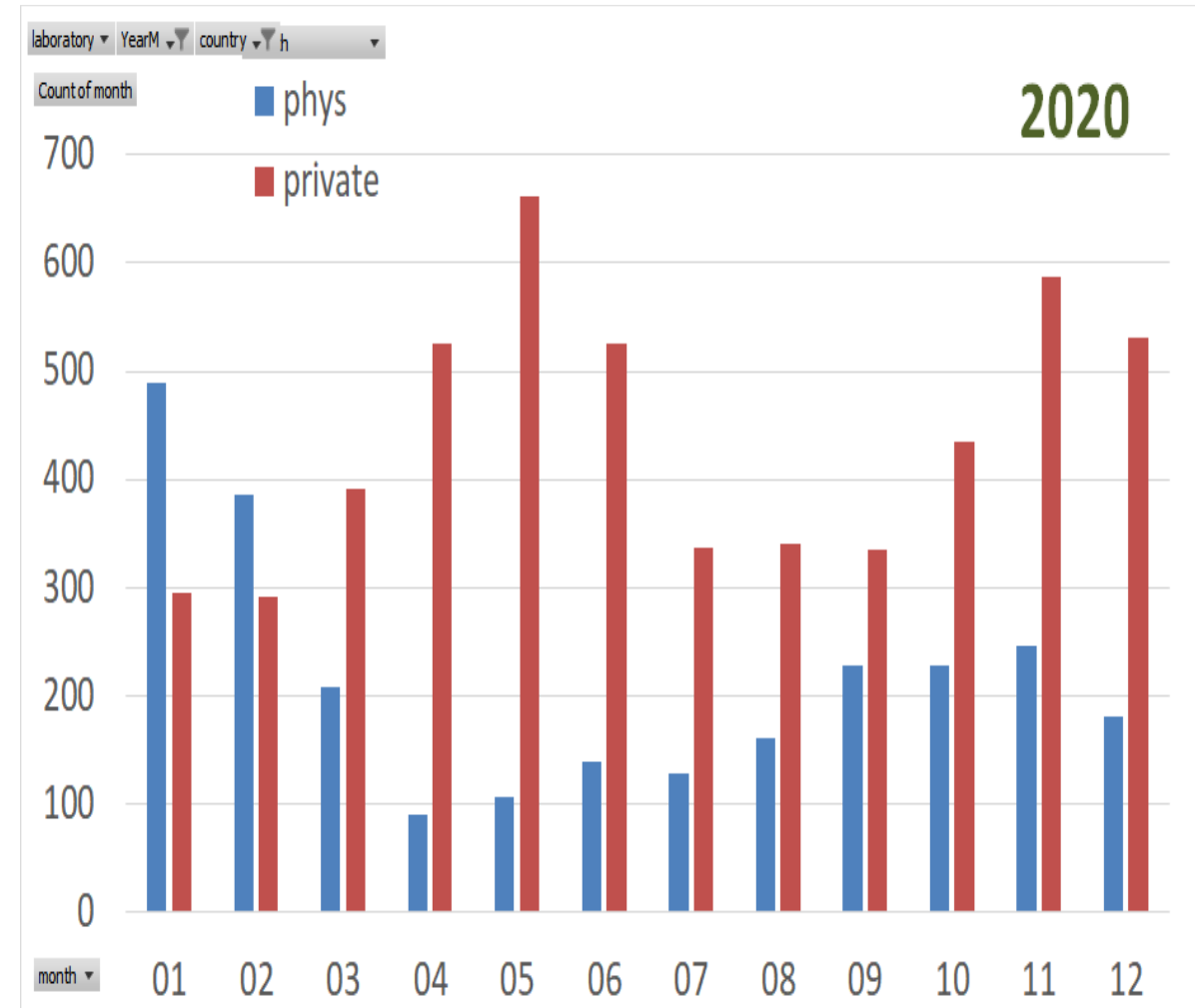
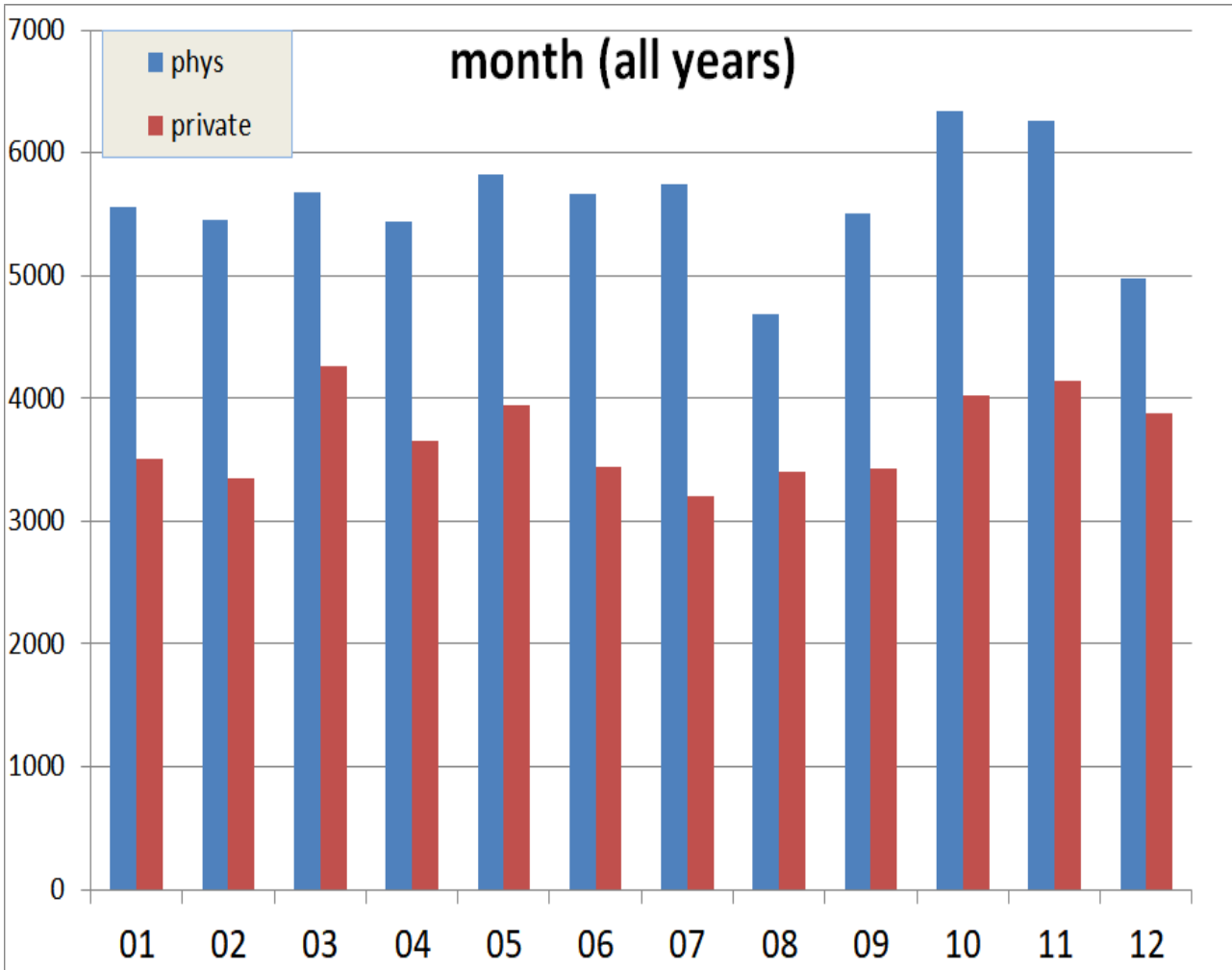


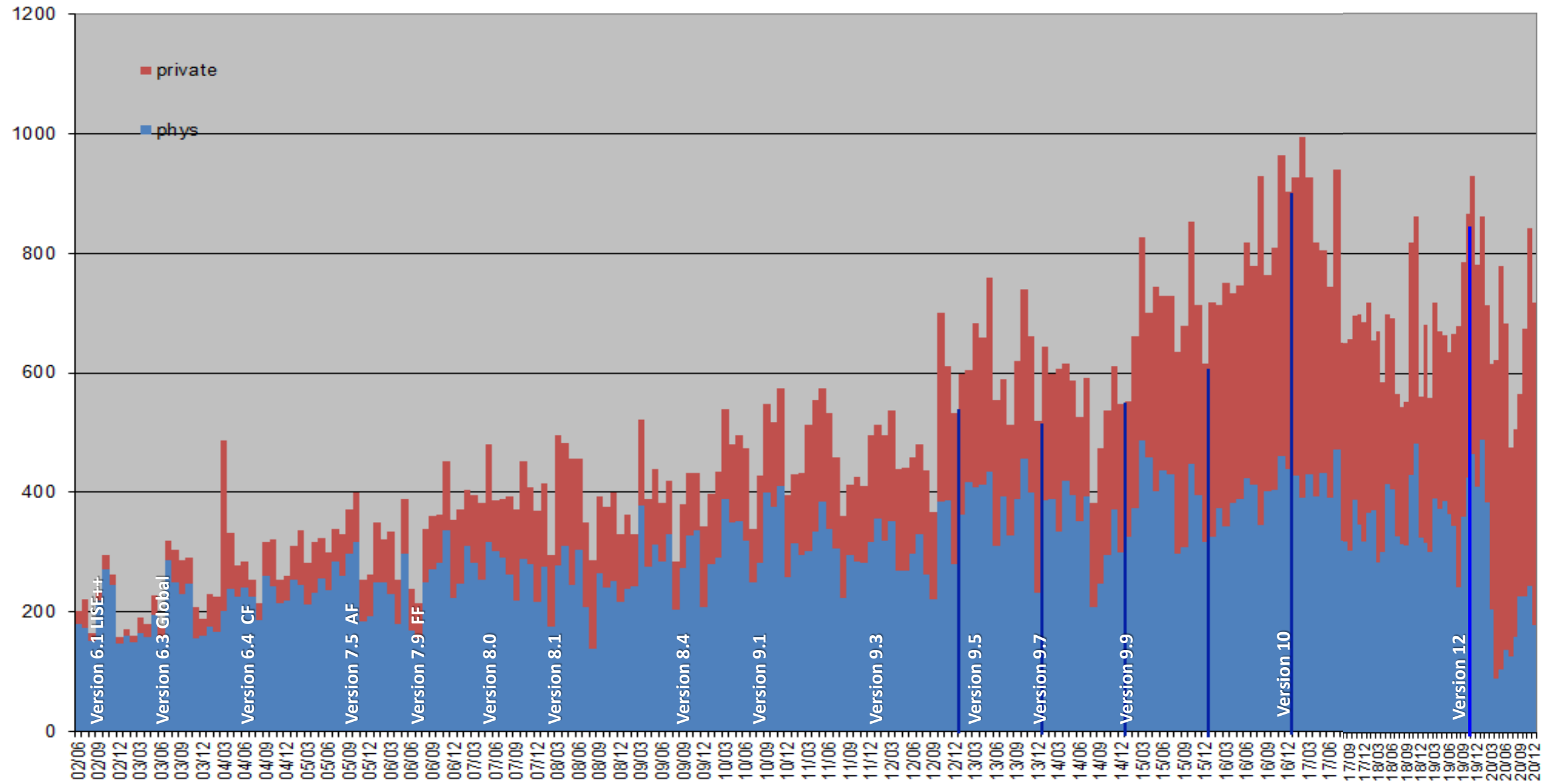
country	Total (...2019)	2020	2020 / Total	country	Total (...2019)	2020	2020 / Total		
1	Iraq	134	39	29%	26	Sweden	410	27	7%
2	Ethiopia	108	26	24%	27	Finland	760	49	6%
3	Hong Kong	192	31	16%	28	France	6087	383	6%
4	China	7643	1119	15%	29	Canada	1404	88	6%
5	Thailand	187	27	14%	30	Japan	15183	929	6%
6	Portugal	248	33	13%	31	Turkey	1377	83	6%
7	Egypt	131	16	12%	32	Austria	167	10	6%
8	Mexico	359	43	12%	33	S. Korea	2581	154	6%
9	Saudi Arabia	329	38	12%	34	Germany	6990	417	6%
10	Netherlands	606	67	11%	35	Norway	387	23	6%
11	Spain	2469	265	11%	36	Russia	4627	267	6%
12	Iran	305	32	10%	37	South Africa	483	26	5%
13	Greece	669	69	10%	38	Poland	956	49	5%
14	UK	2244	227	10%	39	Argentina	271	13	5%
15	Croatia	149	15	10%	40	Slovakia	106	5	5%
16	Vietnam	403	40	10%	41	Australia	642	25	4%
17	Hungary	357	35	10%	42	Serbia	147	5	3%
18	Czech	228	22	10%	43	Bulgaria	252	8	3%
19	Kazakhstan	581	54	9%	44	Ukraine	194	6	3%
20	USA	15227	1405	9%	45	USA-MI	11335	323	3%
21	Italy	5132	467	9%	46	Colombia	117	3	3%
22	India	6314	542	9%	47	Israel	118	3	3%
23	Brazil	817	65	8%	48	Belgium	825	20	2%
24	Romania	1037	73	7%	49	Denmark	167	3	2%
25	Switzerland	674	47	7%	50	Thailand	180	1	1%

average

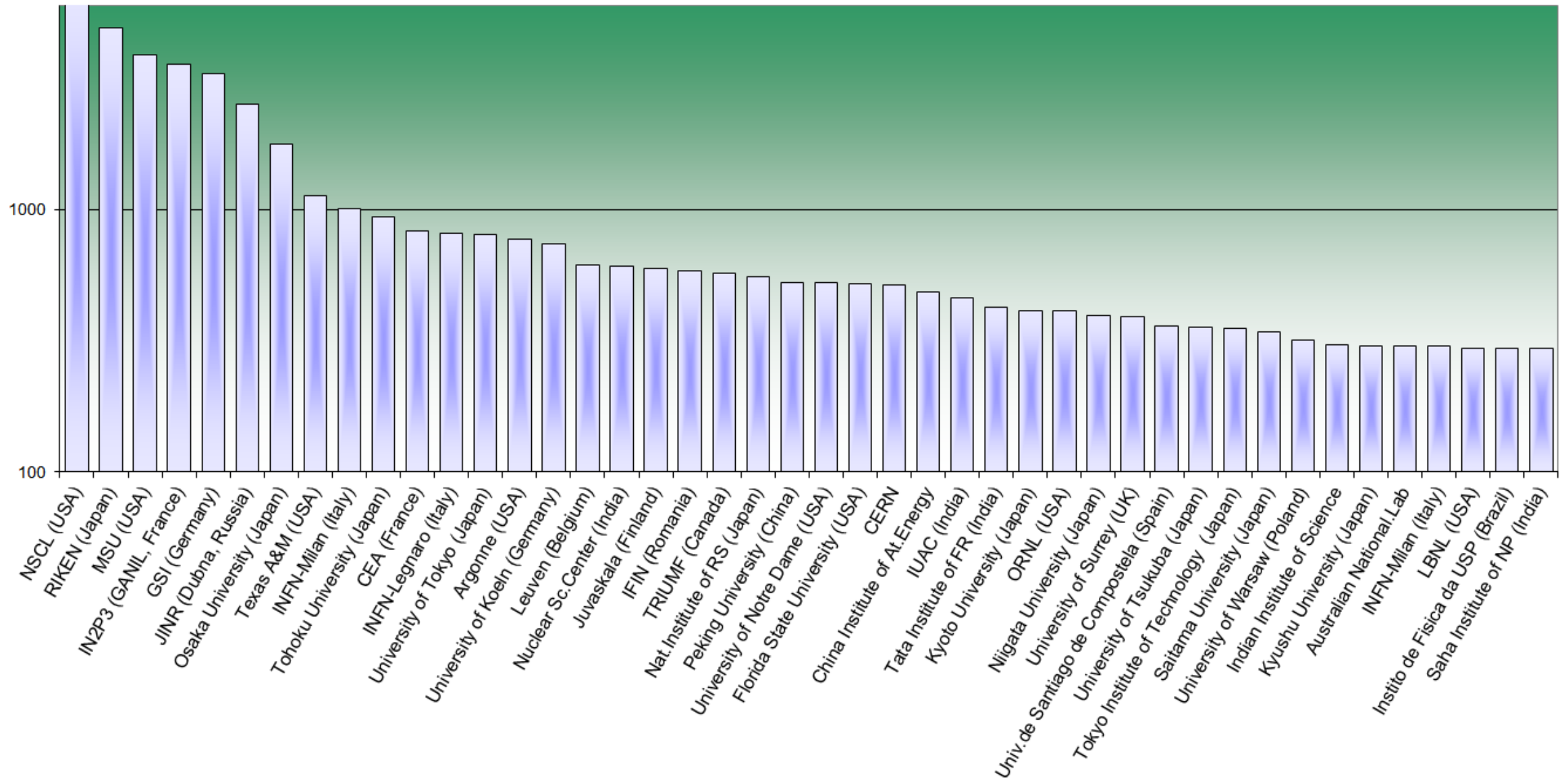


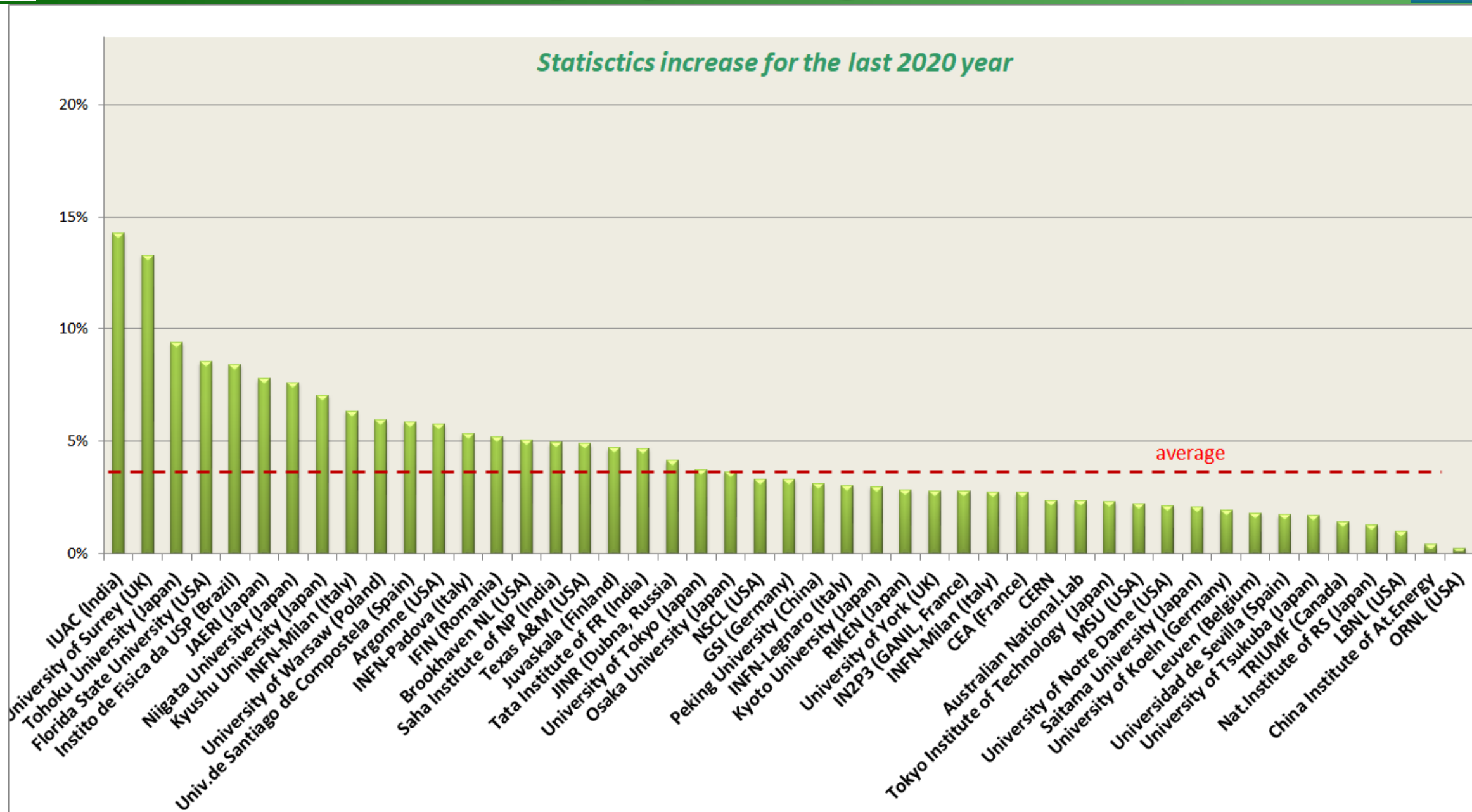


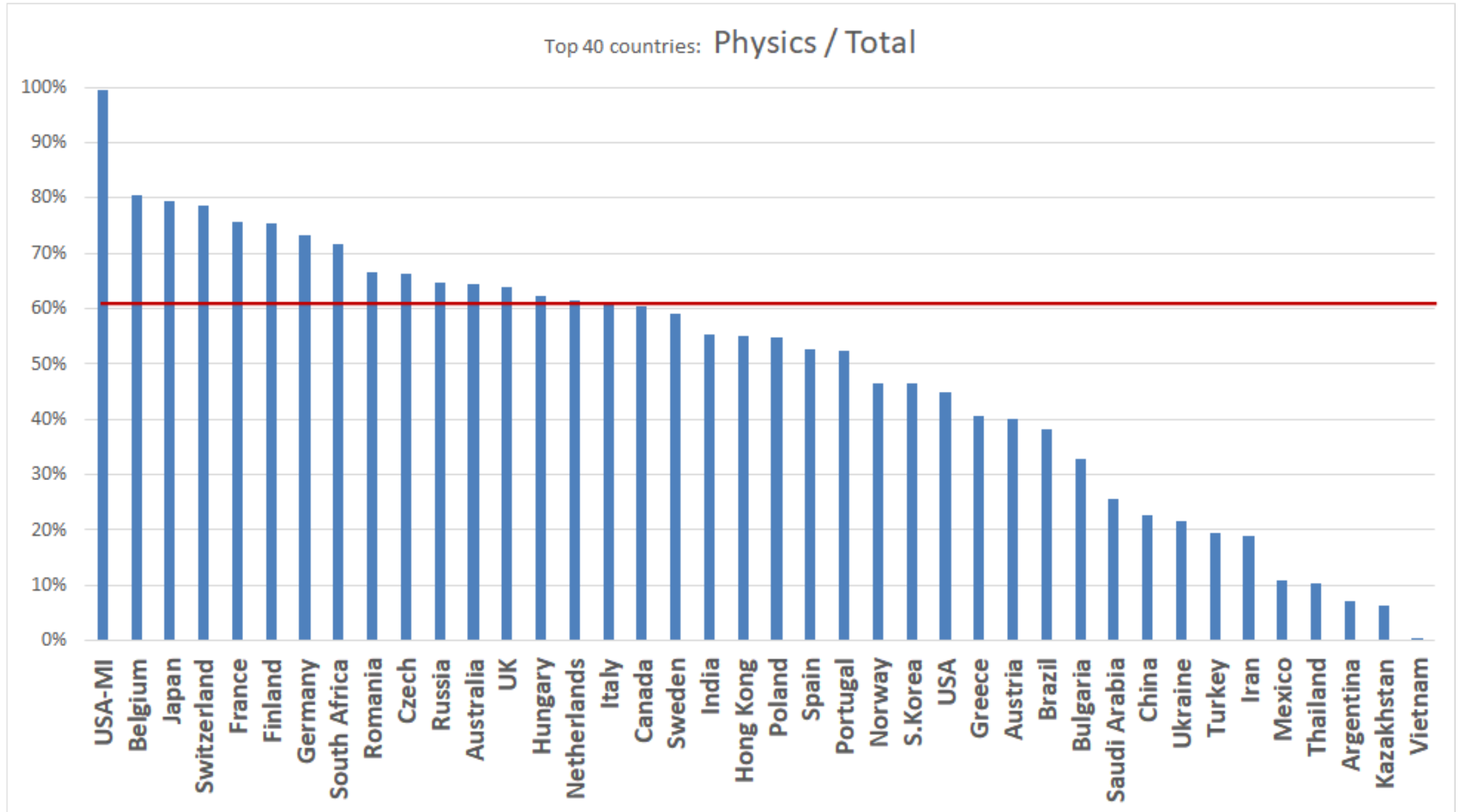


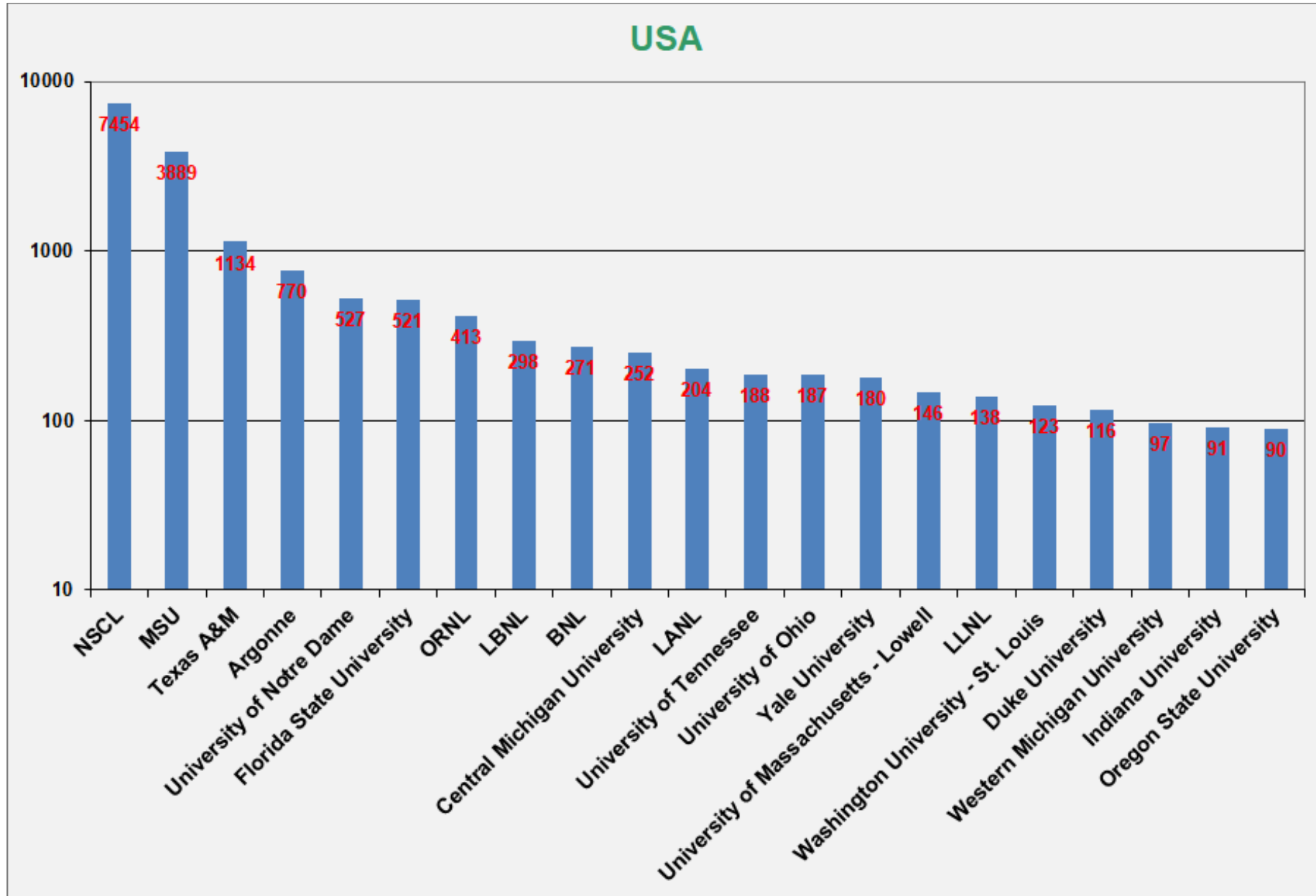


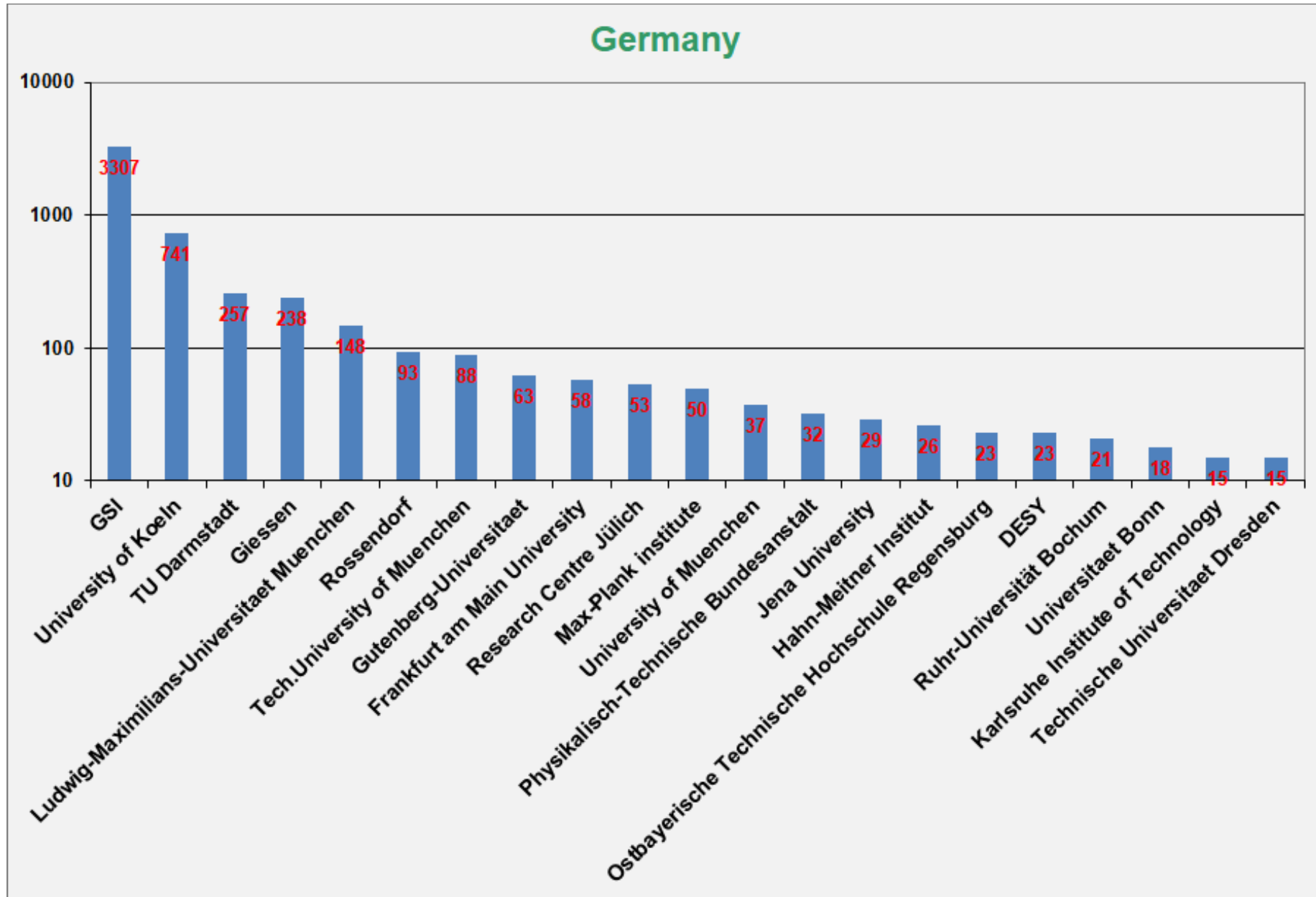
Laboratories (absolute values) : 2020

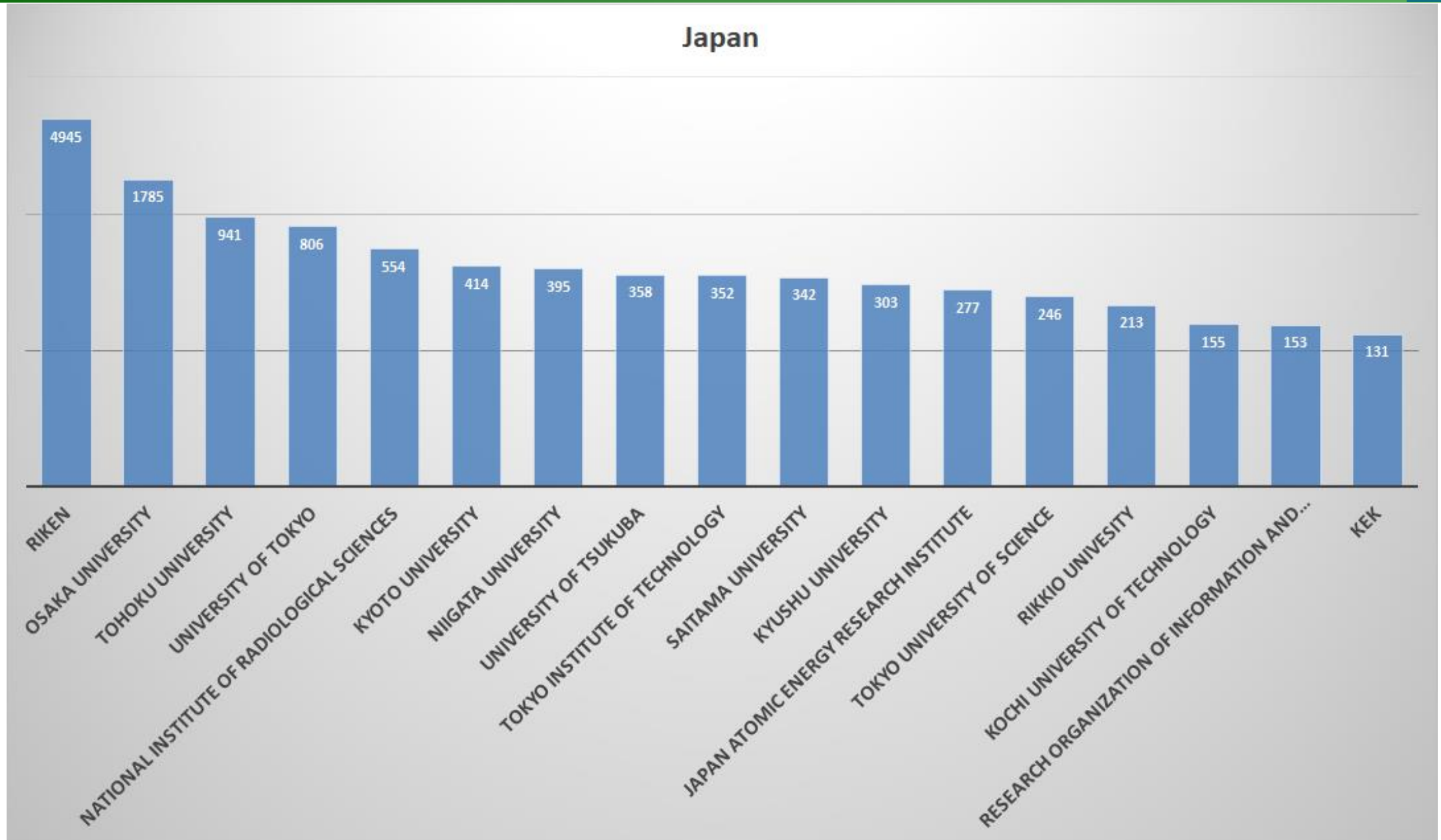


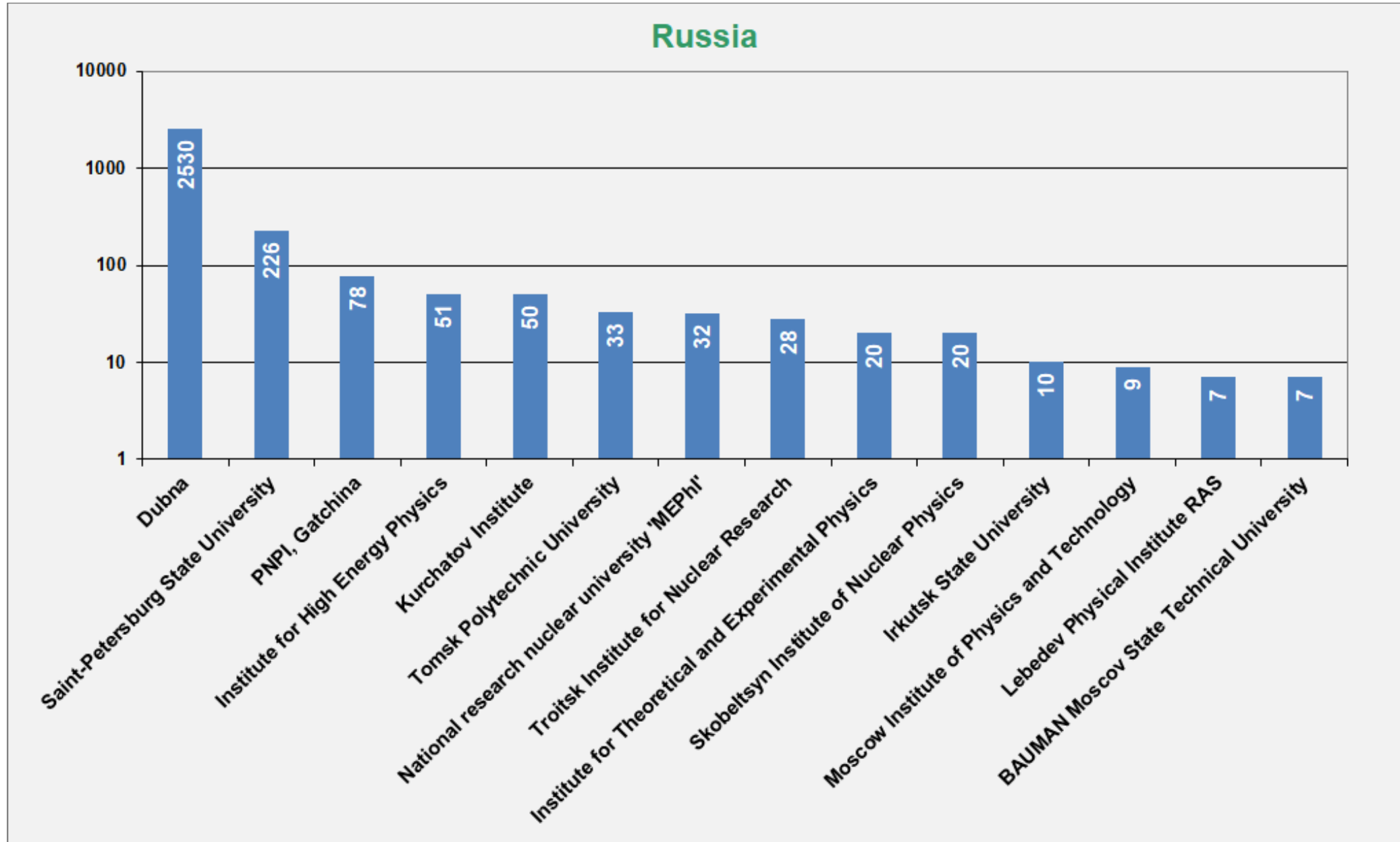


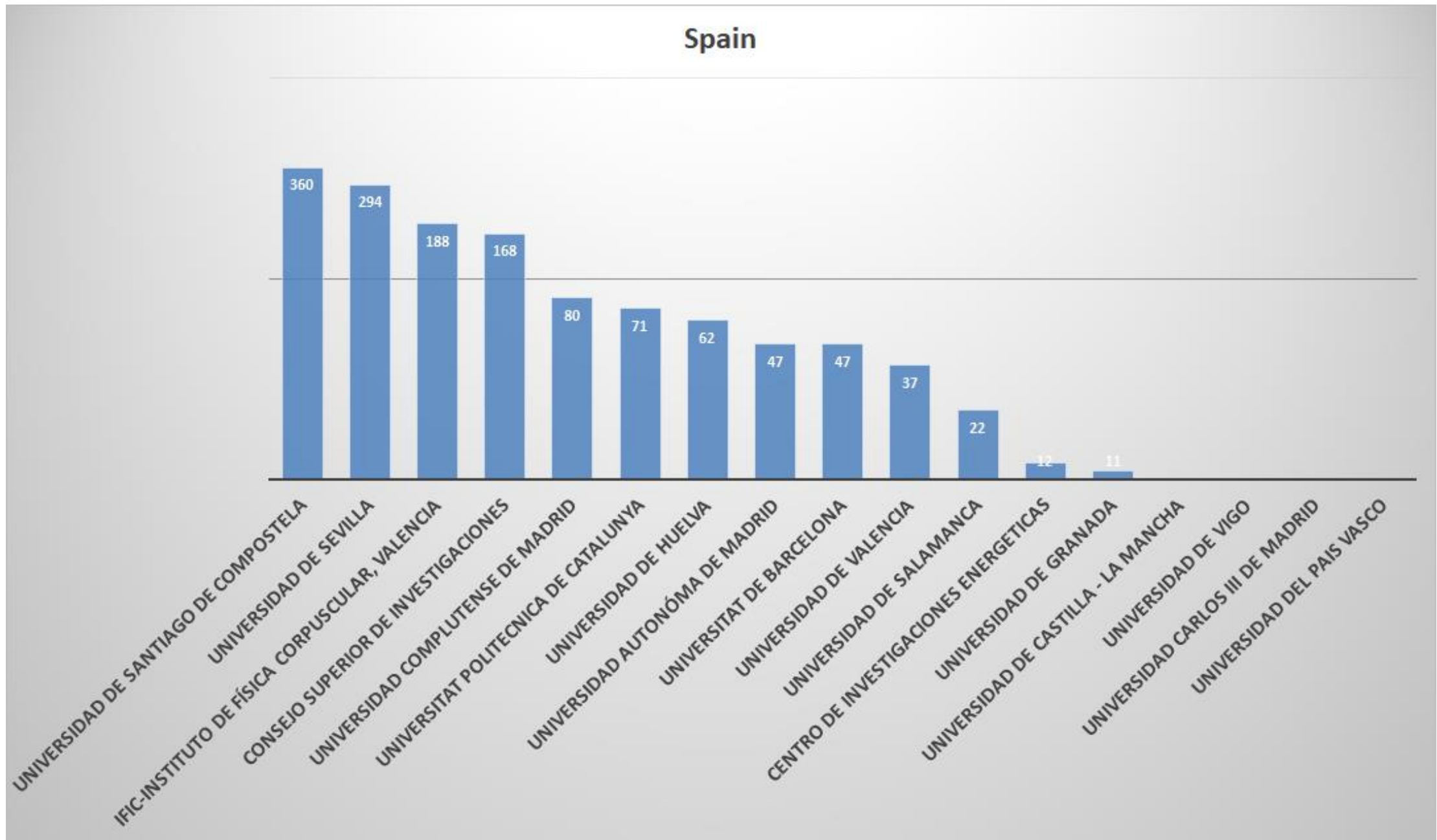


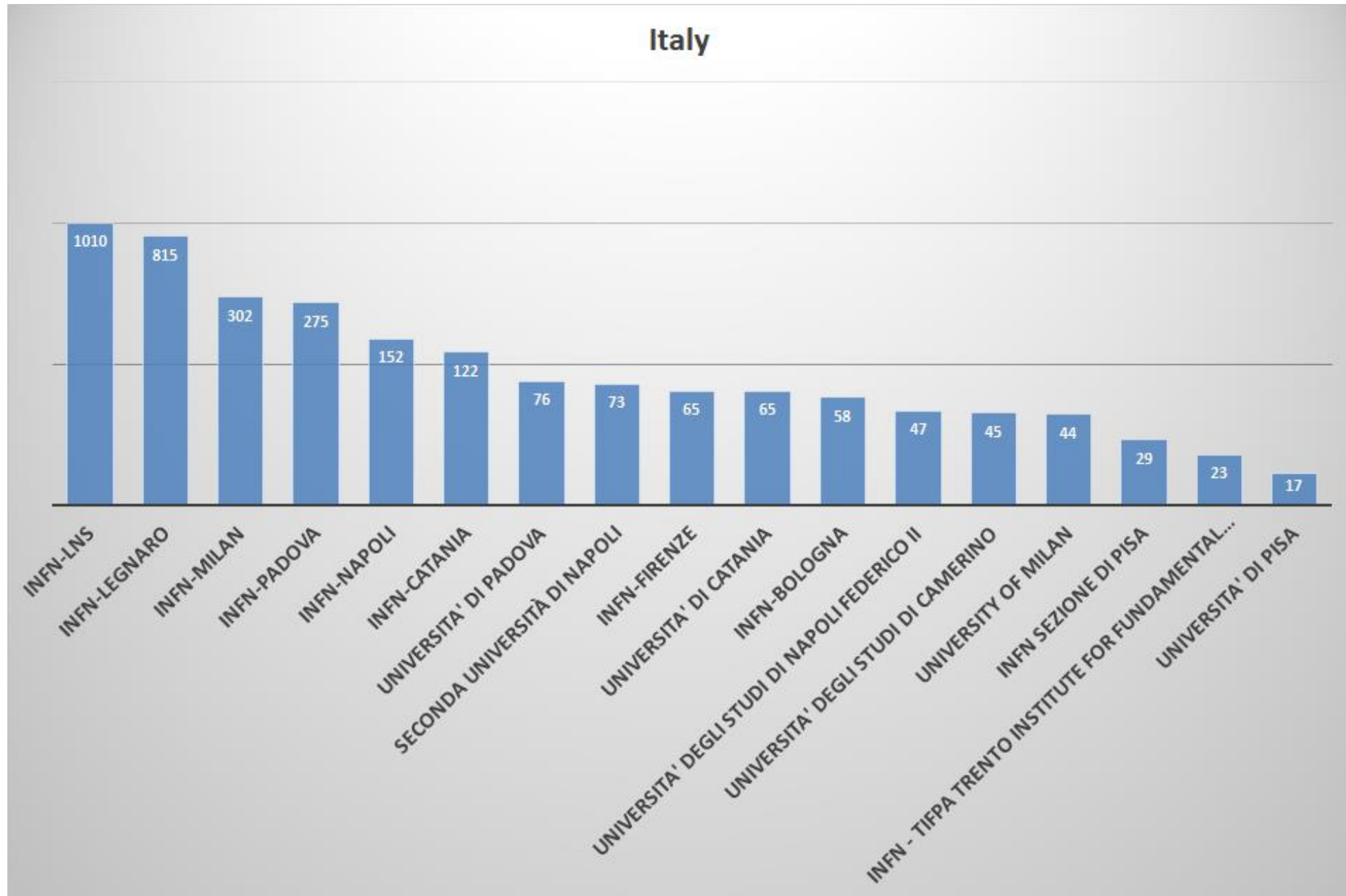












Laboratories : China

