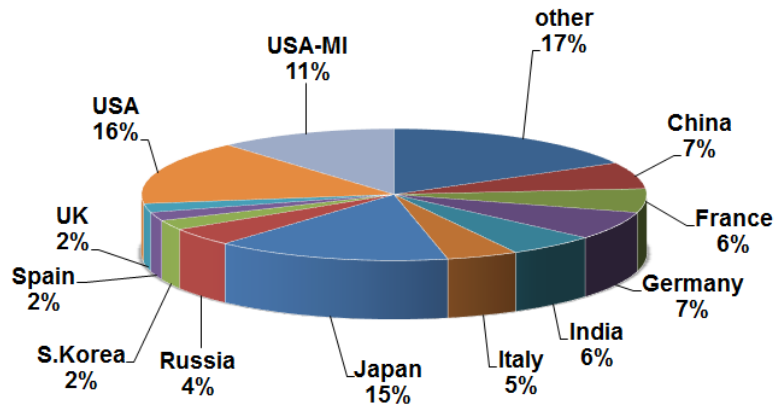
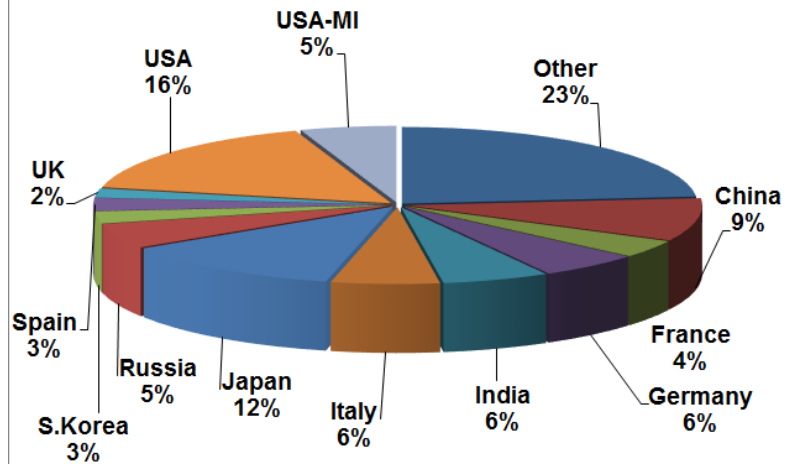


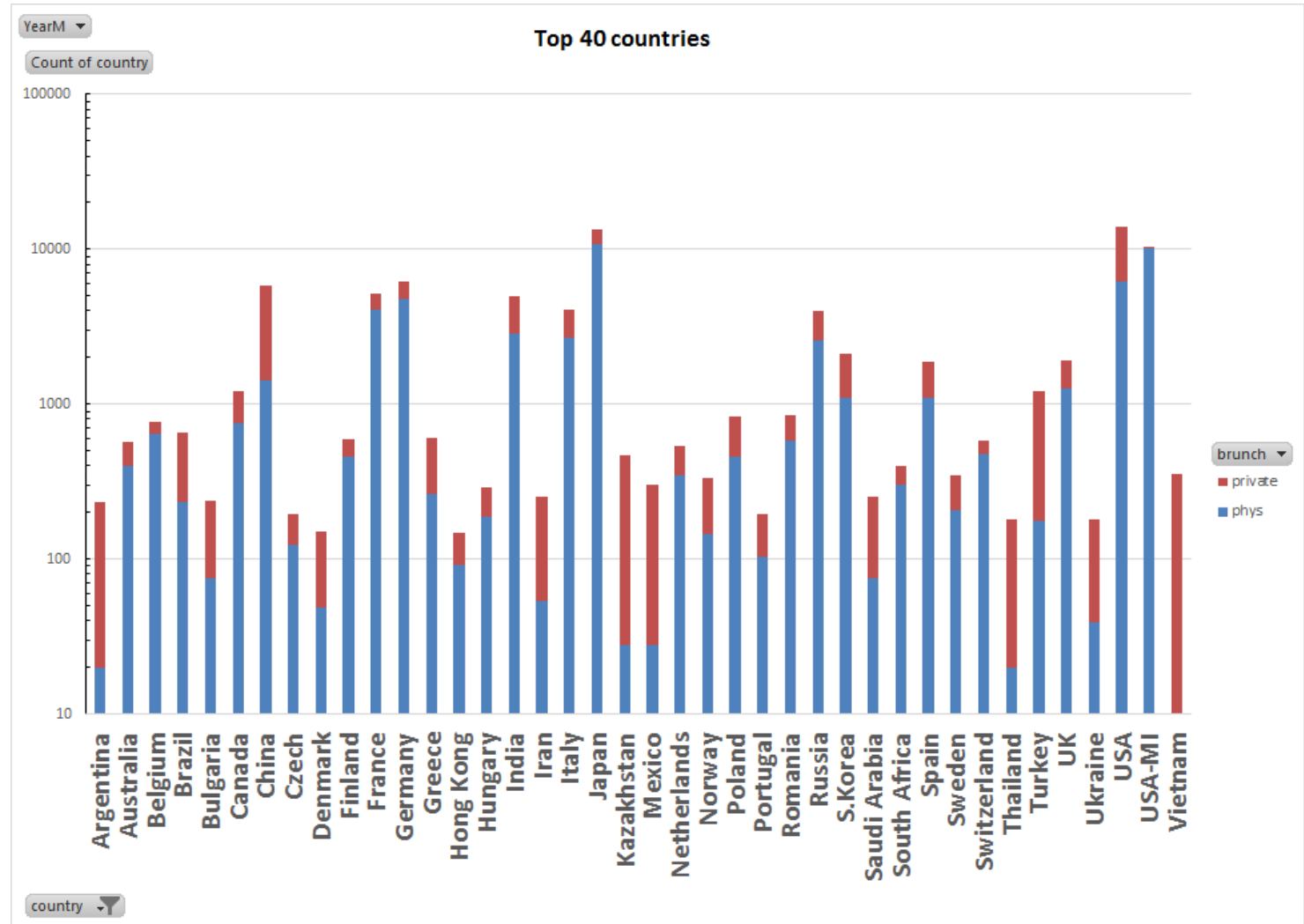
The LISE++ code geography



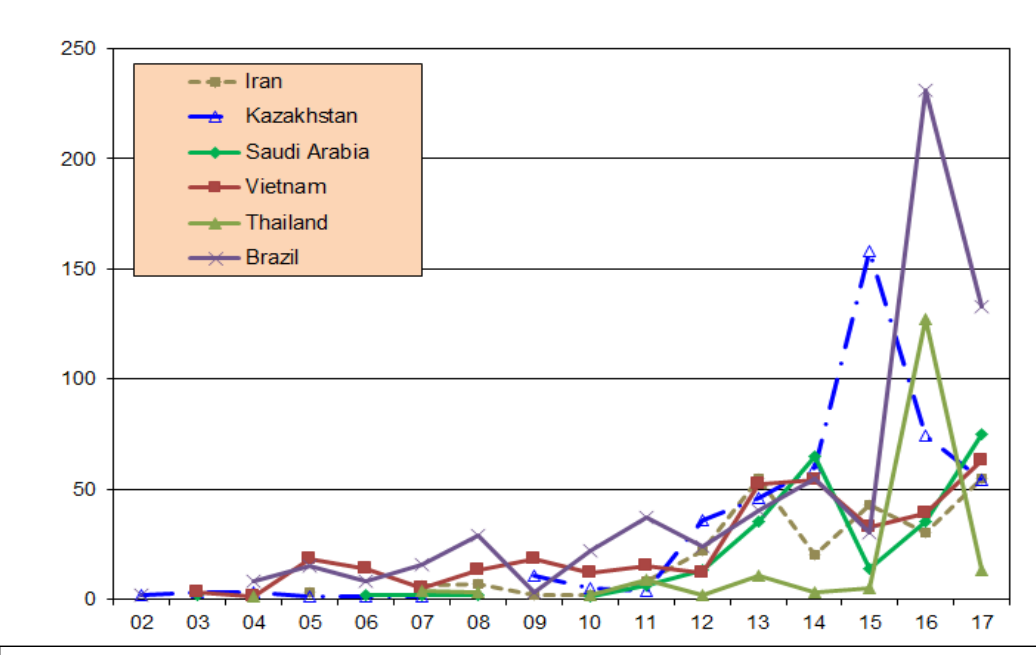
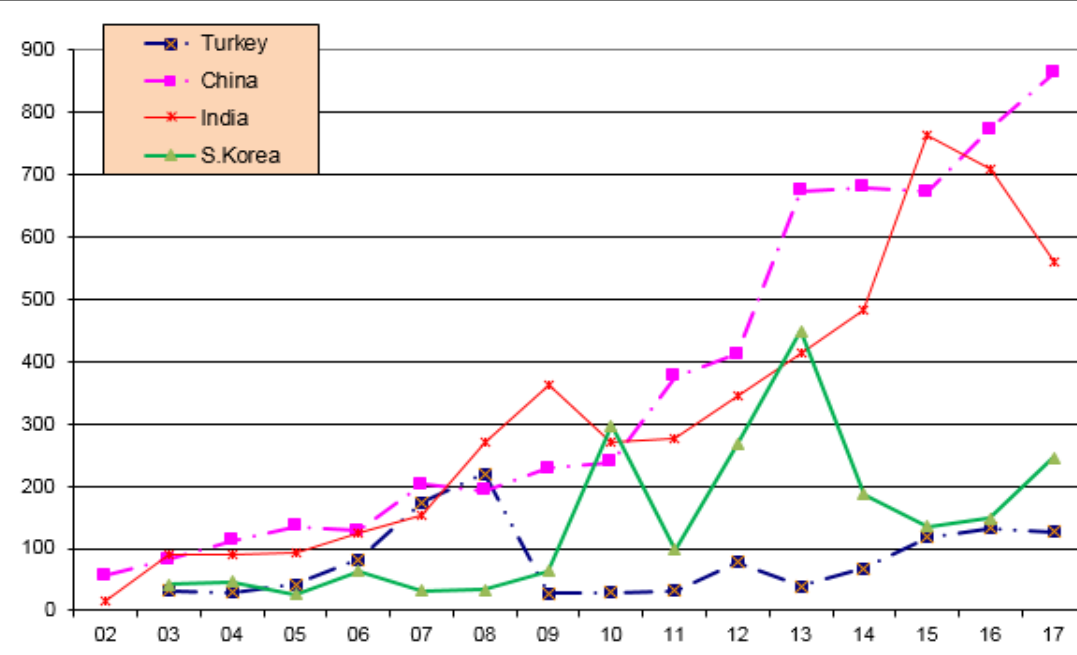
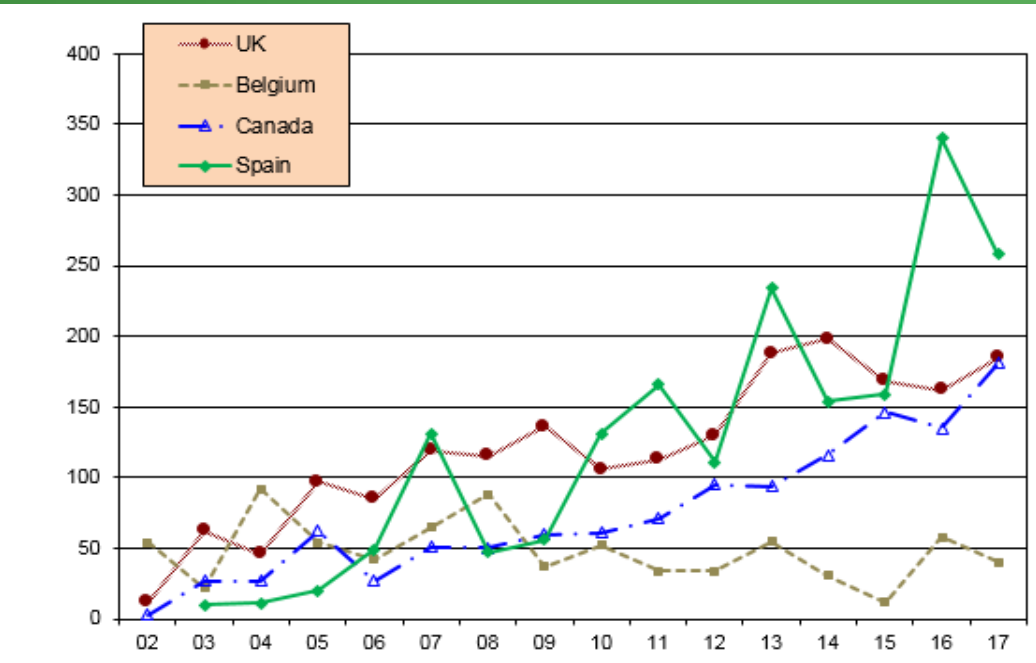
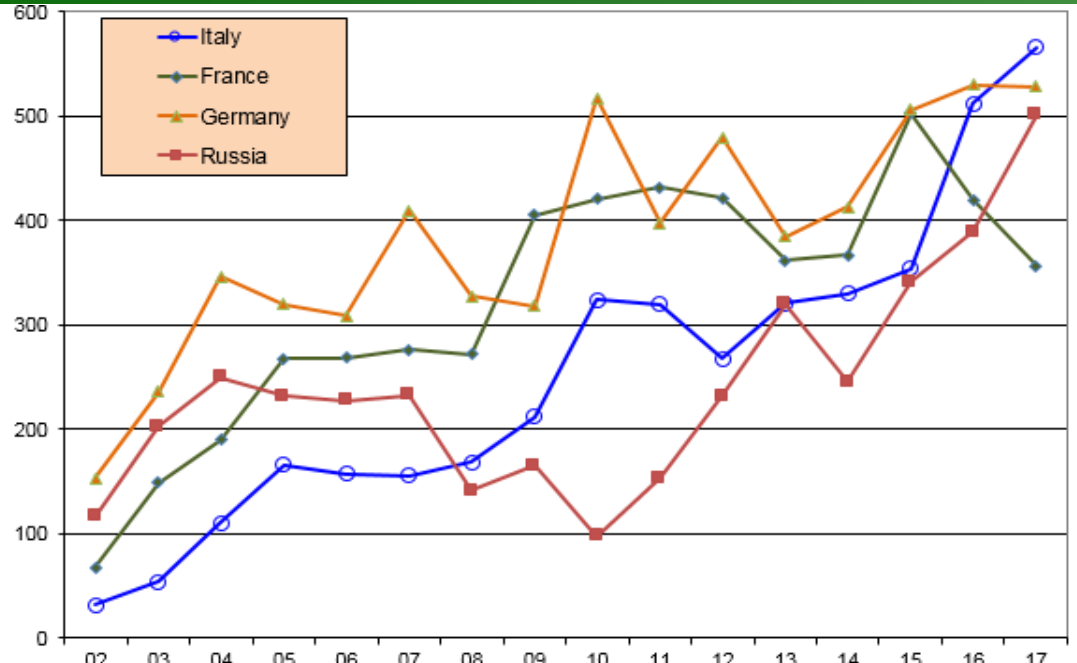
The LISE++ code geography (last 2017 year)



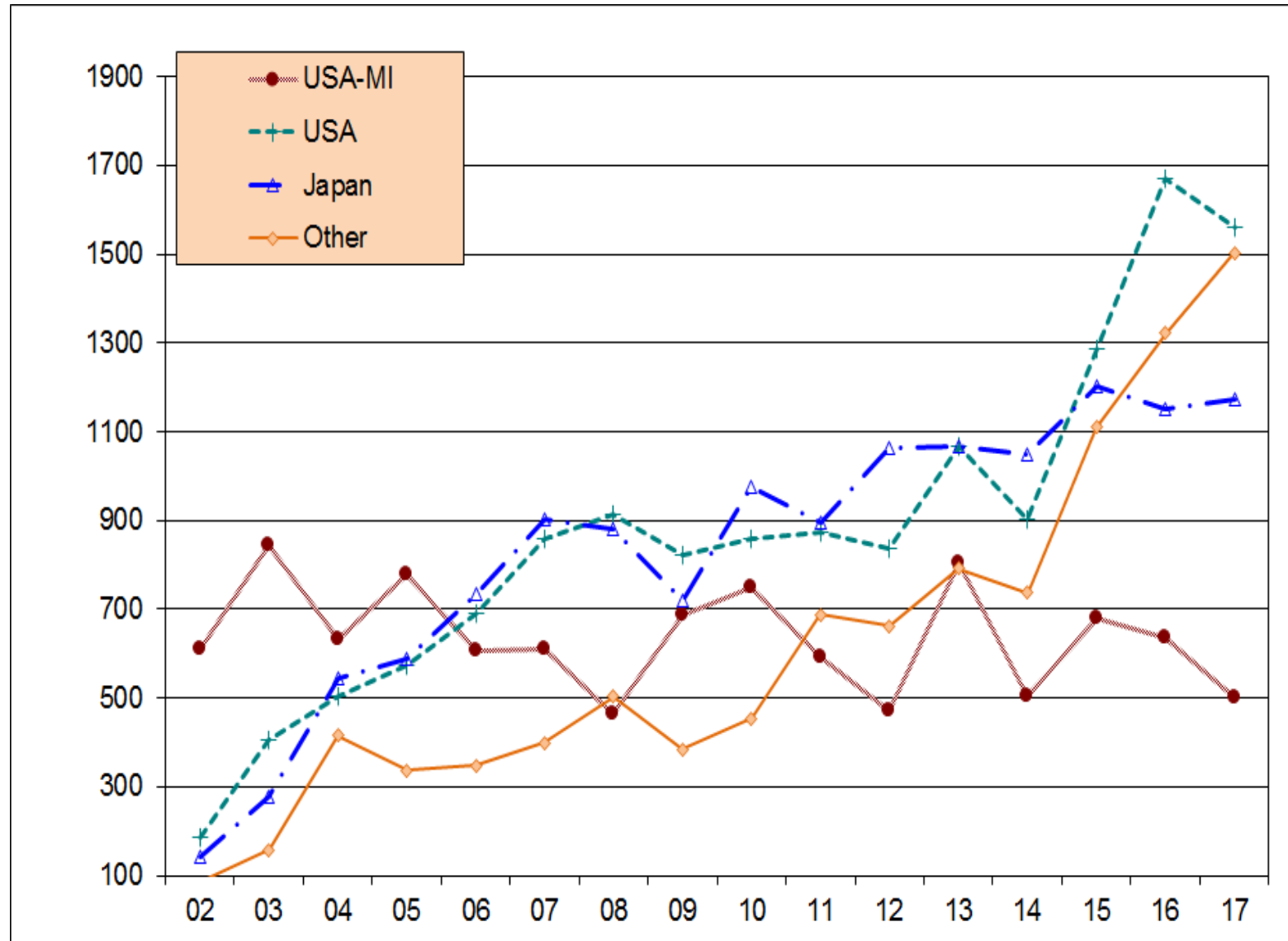
Top 40 countries



# By countries per year (1)



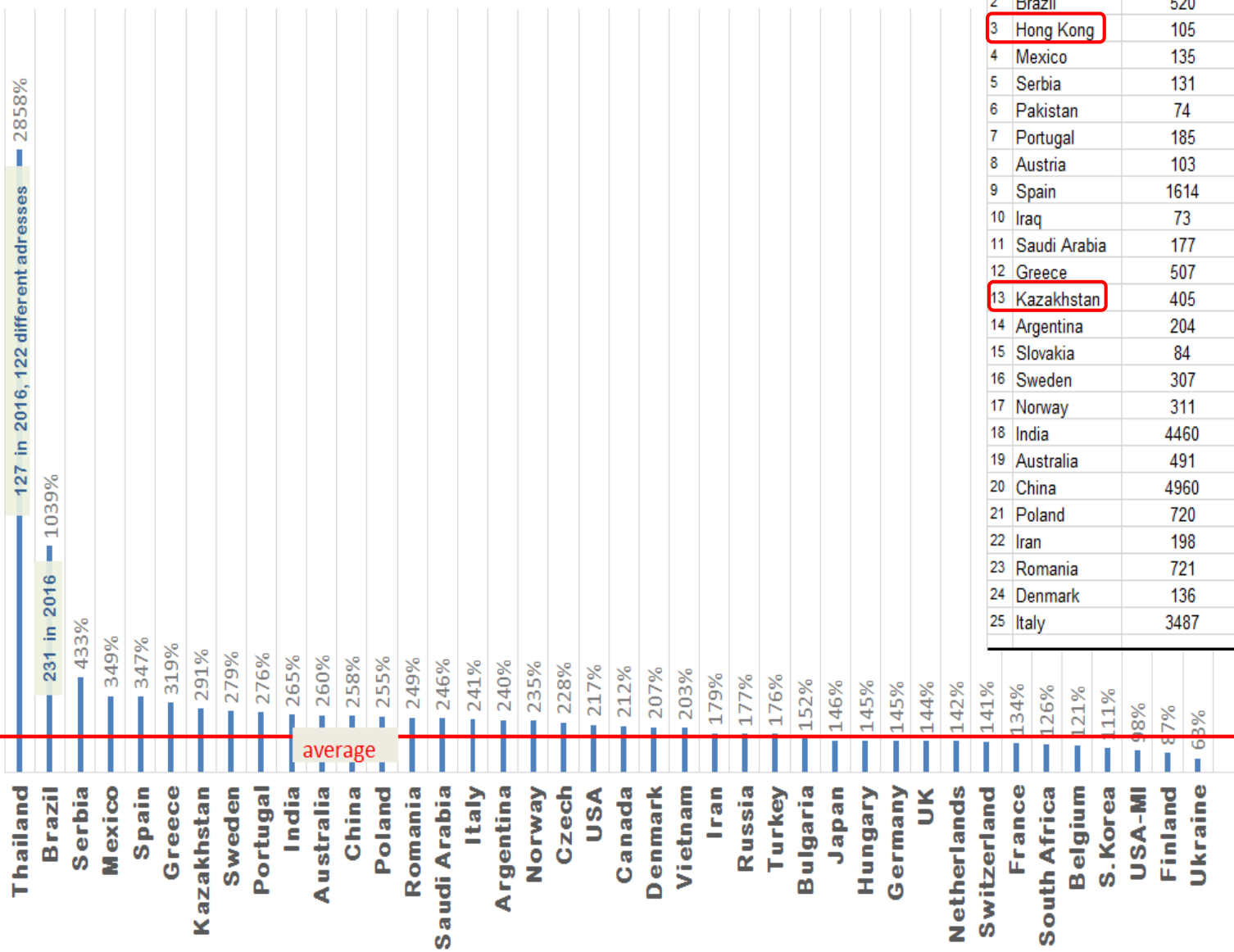
# By countries per year (2)



country	difference [2016]-[2015]	country	difference [2017]-[2016]
USA	385	Other	181
Other	213	Russia	112
Brazil	201	S.Korea	98
Spain	181	China	91
Italy	158	Italy	54
Thailand	122	Canada	46
China	100	Saudi Arabia	40
Russia	48	Iran	25
Belgium	46	Vietnam	24
Germany	24	UK	23
Saudi Arabia	21	Japan	19
Turkey	14	Germany	-2
S.Korea	12	Turkey	-6
Vietnam	6	Belgium	-18
UK	-6	Kazakhstan	-20
Canada	-11	France	-63
Iran	-13	Spain	-82
USA-MI	-46	Brazil	-98
Japan	-49	USA	-110
India	-53	Thailand	-114
France	-83	USA-MI	-133
Kazakhstan	-84	India	-150
Grand Total	1186	Grand Total	-83

## 2016

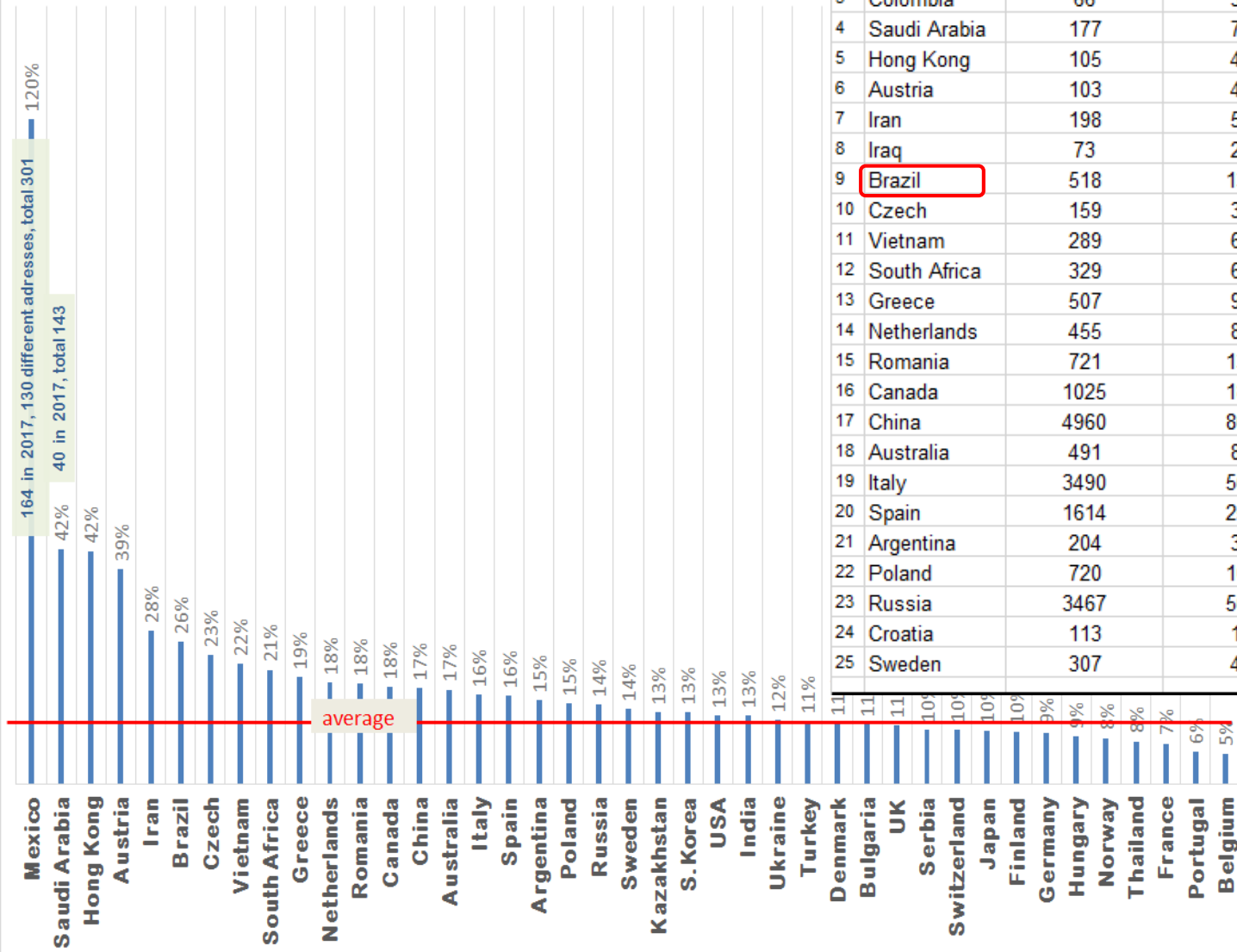
TOP 40 COUNTRIES : RATIO OF 2016 / AVERAGE(2002:2015)



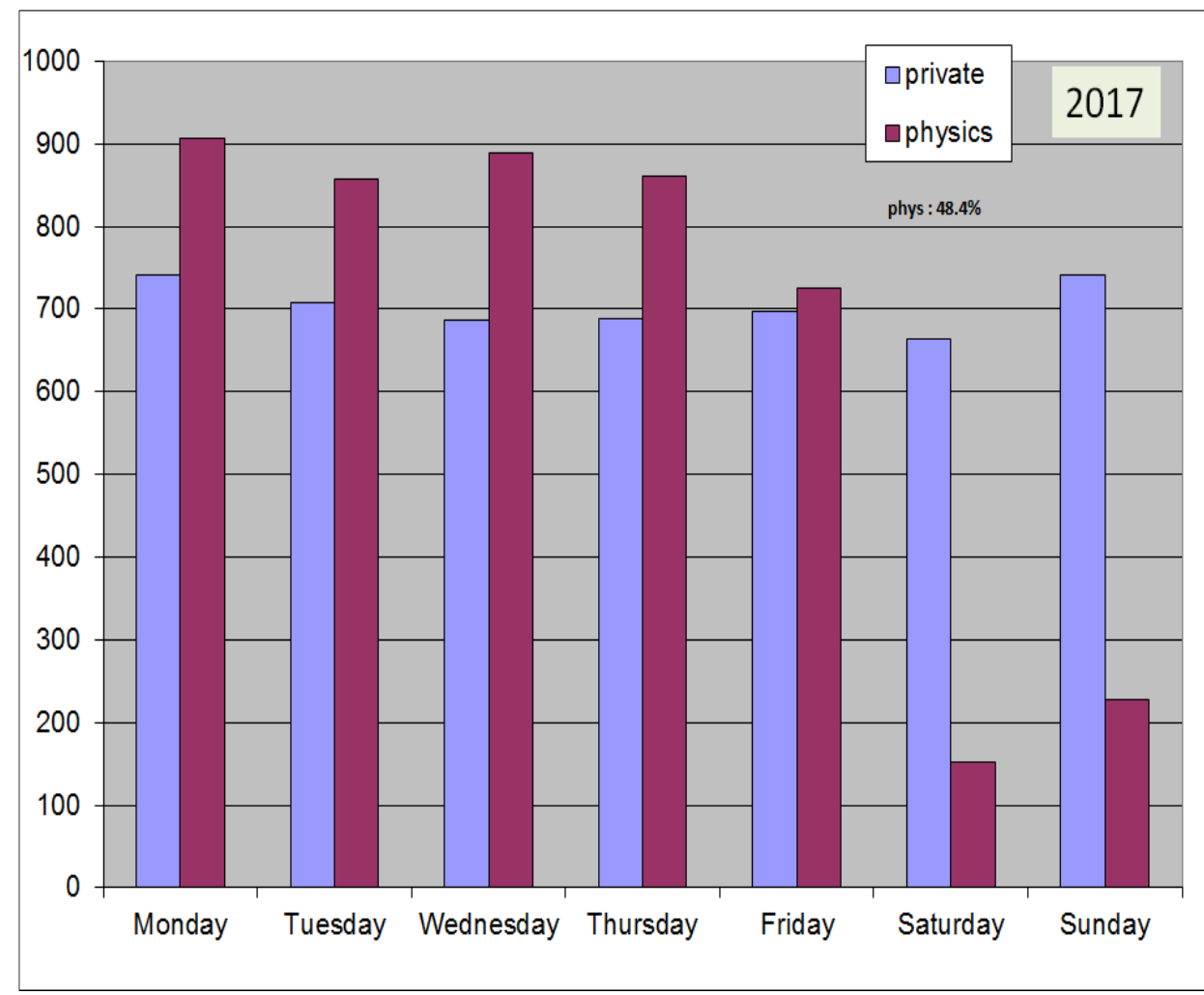
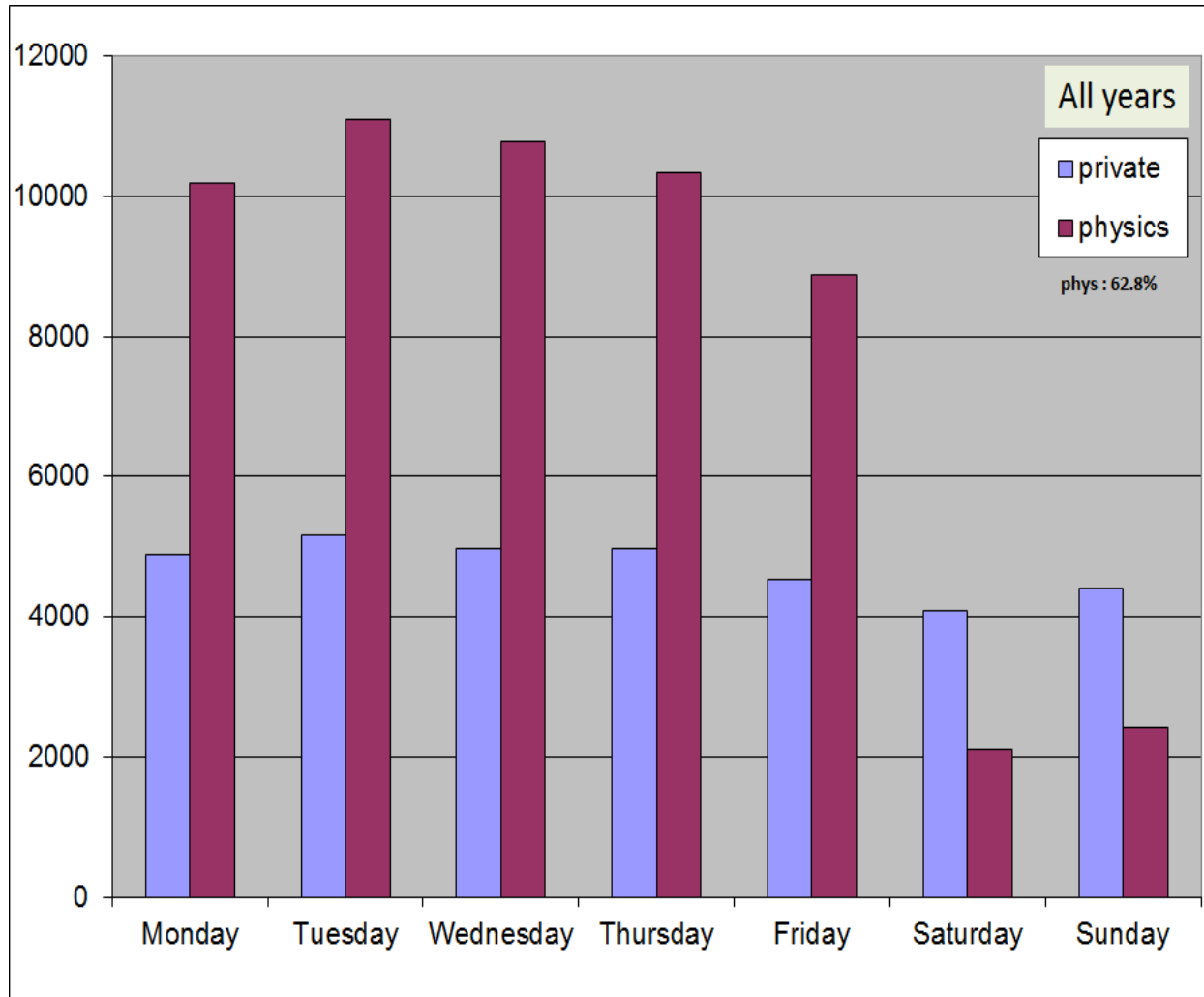
country	Total	2016	2016 / Total	country	Total	2016	2016 / Total
1 Thailand	167	127	76%	26 Czech	157	22	14%
2 Brazil	520	231	44%	27 Vietnam	289	39	13%
3 Hong Kong	105	45	43%	28 USA	12460	1672	13%
4 Mexico	135	41	30%	29 Croatia	113	15	13%
5 Serbia	131	37	28%	30 Canada	1025	135	13%
6 Pakistan	74	18	24%	31 Grand Total	79317	9626	12%
7 Portugal	185	40	22%	32 Turkey	1106	132	12%
8 Austria	103	22	21%	33 Bulgaria	213	24	11%
9 Spain	1614	340	21%	34 Russia	3466	389	11%
10 Iraq	73	15	21%	35 Israel	95	9	9%
11 Saudi Arabia	177	35	20%	36 Japan	12198	1153	9%
12 Greece	507	100	20%	37 Hungary	266	25	9%
13 Kazakhstan	405	74	18%	38 Germany	5649	530	9%
14 Argentina	204	34	17%	39 UK	1737	162	9%
15 Slovakia	84	14	17%	40 Netherlands	455	42	9%
16 Sweden	307	51	17%	41 Switzerland	526	48	9%
17 Norway	311	51	16%	42 South Africa	329	29	9%
18 India	4460	709	16%	43 France	4824	420	9%
19 Australia	491	77	16%	44 Belgium	730	58	8%
20 China	4960	772	16%	45 Armenia	76	6	8%
21 Poland	720	111	15%	46 S.Korea	1888	148	8%
22 Iran	198	30	15%	47 USA-MI	9669	635	7%
23 Romania	721	109	15%	48 Finland	547	32	6%
24 Denmark	136	20	15%	49 Egypt	109	6	6%
25 Italy	3487	512	15%	50 Ukraine	162	7	4%

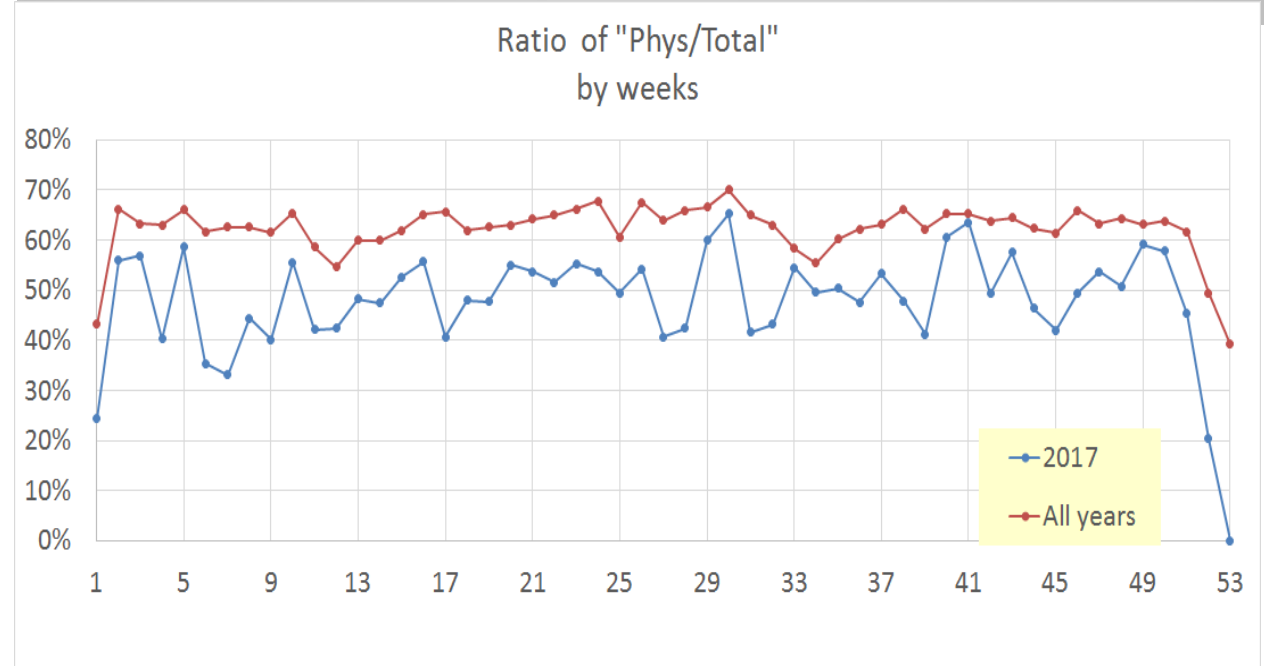
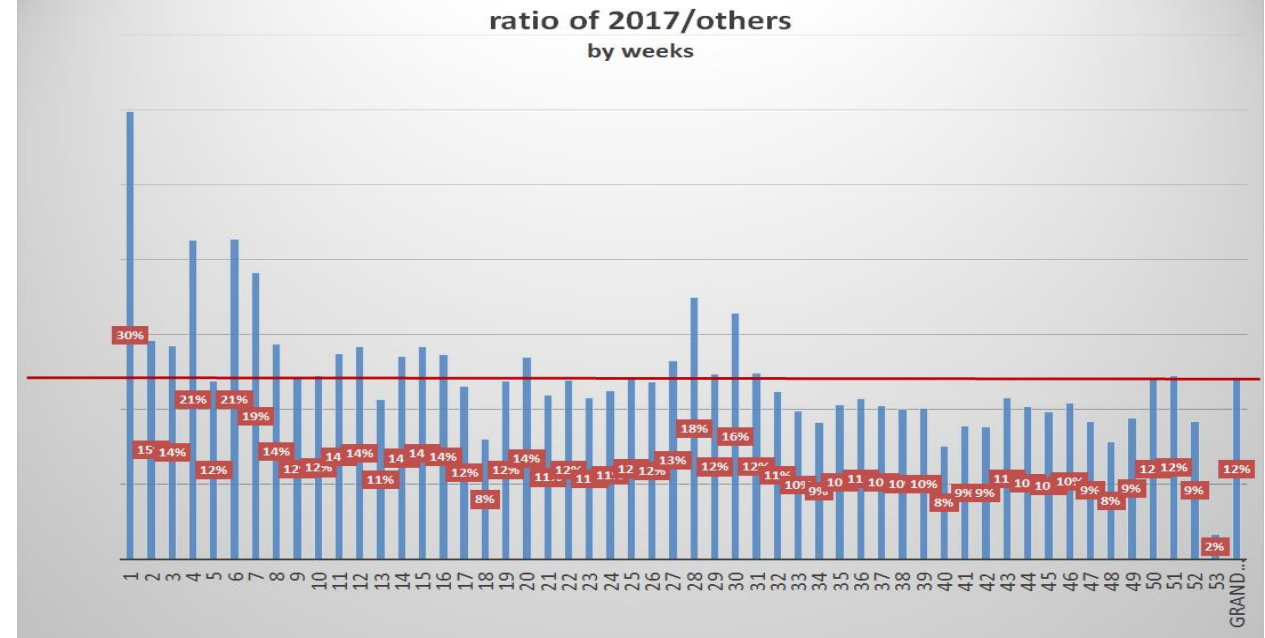
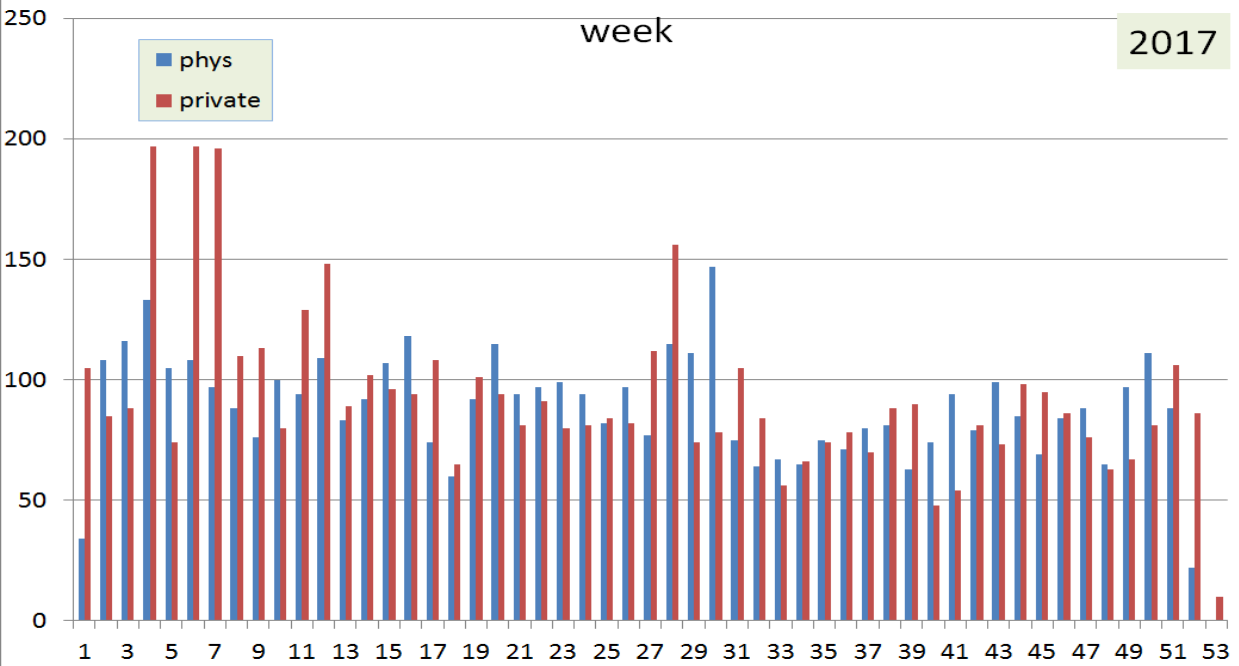
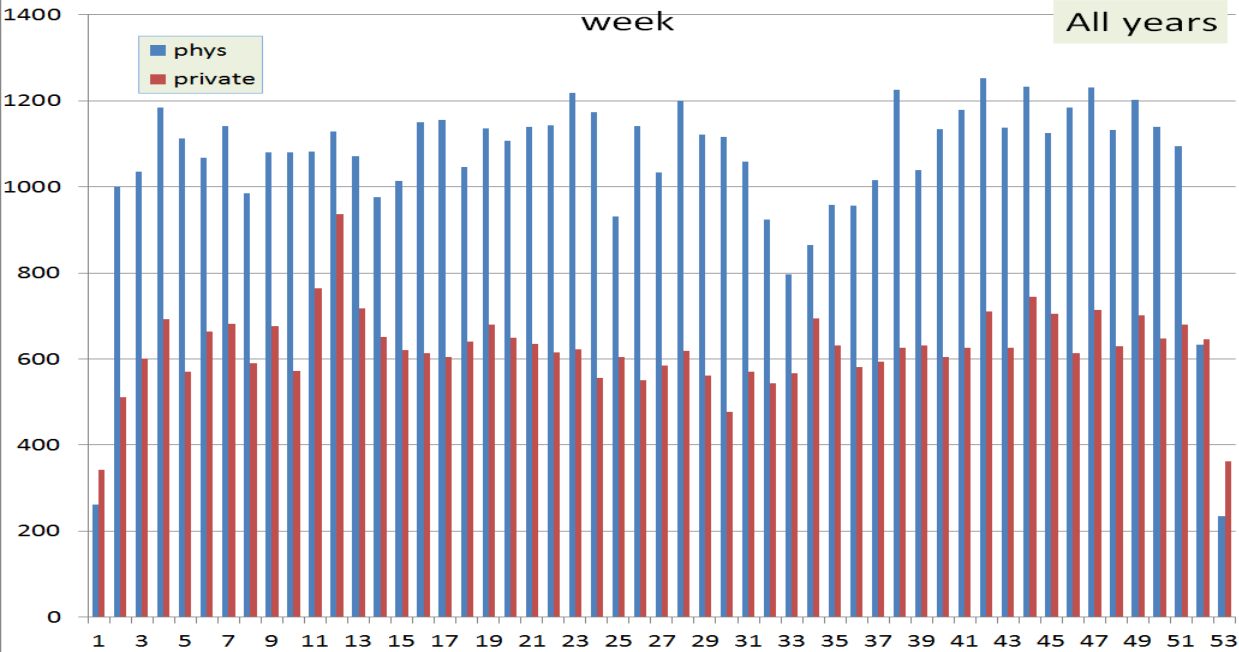
## 2017

TOP 40 COUNTRIES : RATIO OF 2017 / AVERAGE

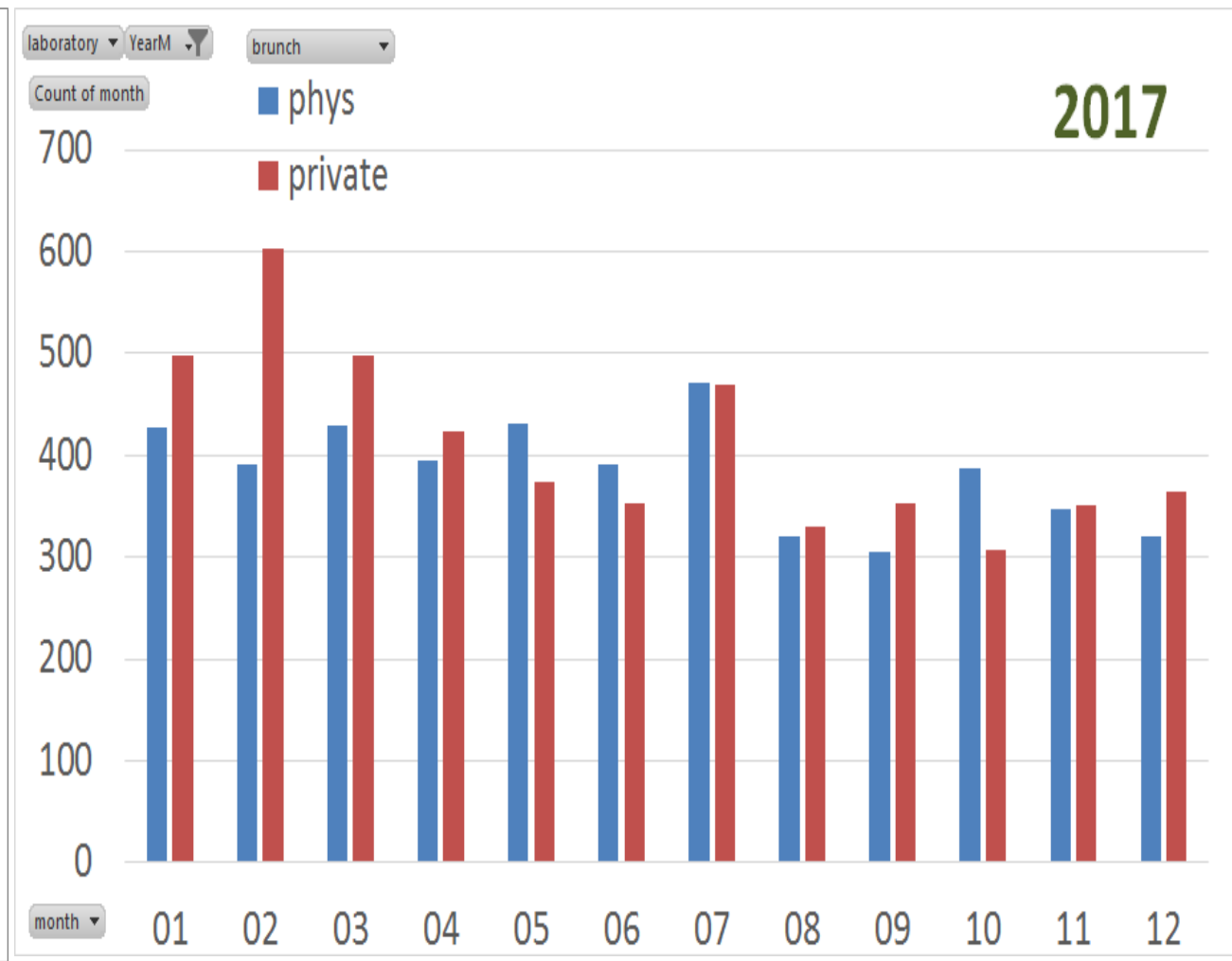
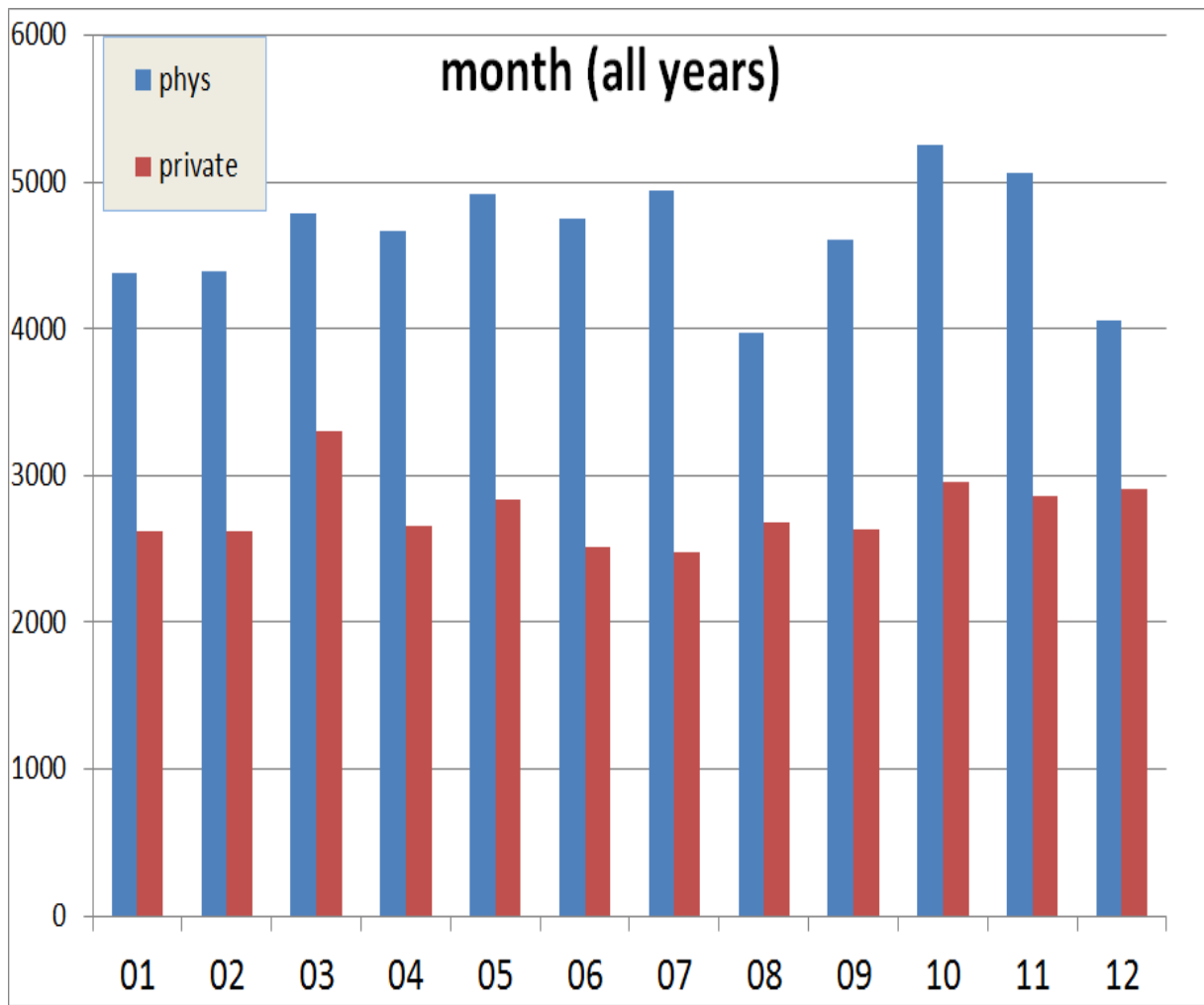


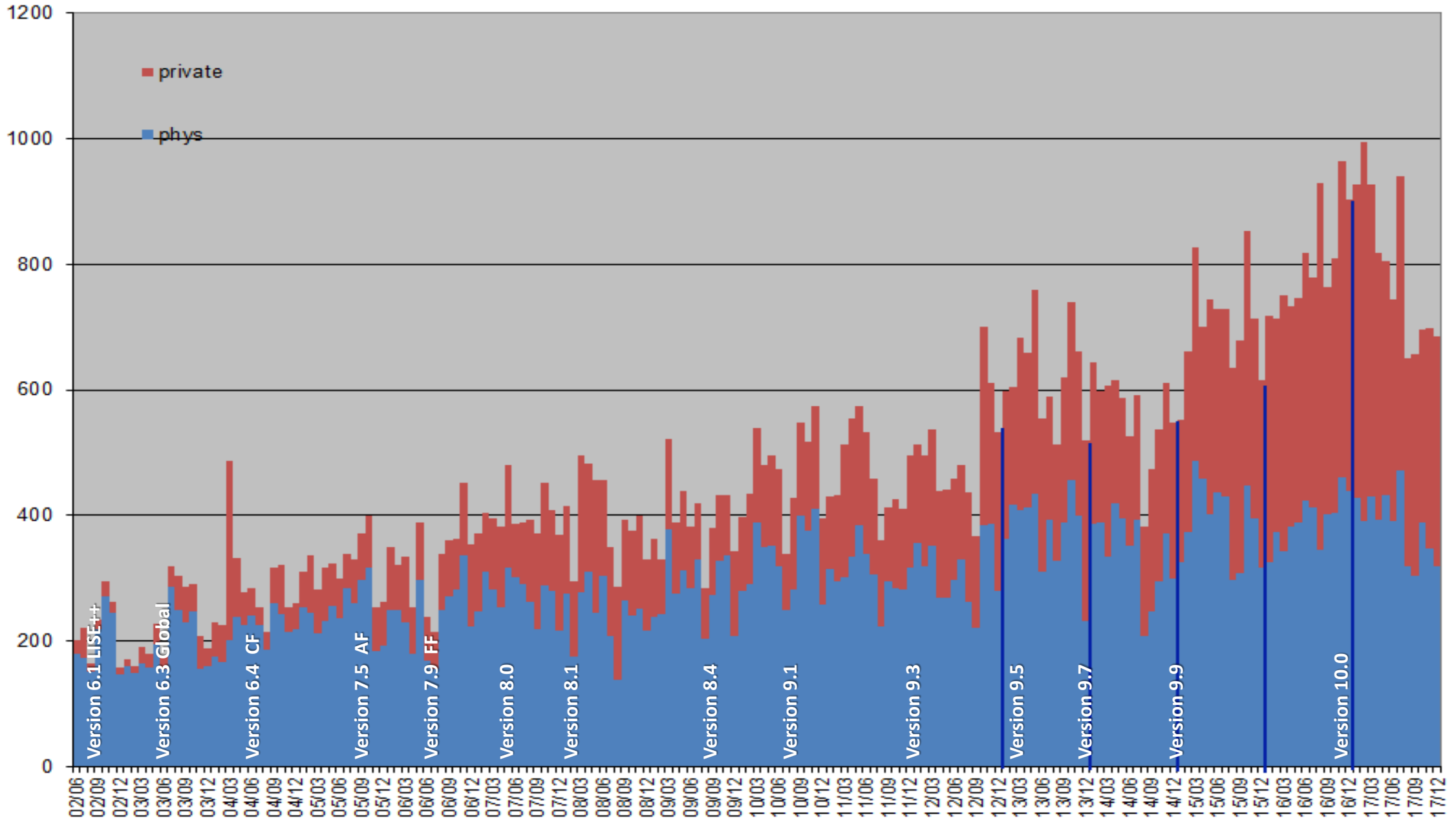
country	Total (...2016)	2017	2017 / Total	country	Total (...2016)	2017	2017 / Total
1 Mexico	137	164	120%	26 Kazakhstan	413	54	13%
2 Ethiopia	44	50	114%	27 S.Korea	1888	246	13%
3 Colombia	66	33	50%	28 USA	12462	1562	13%
4 Saudi Arabia	177	75	42%	29 India	4460	559	13%
5 Hong Kong	105	44	42%	30 Grand Total	78332	9338	12%
6 Austria	103	40	39%	31 Ukraine	163	19	12%
7 Iran	198	55	28%	32 Turkey	1098	126	11%
8 Iraq	73	20	27%	33 Denmark	136	15	11%
9 Brazil	518	133	26%	34 Bulgaria	213	23	11%
10 Czech	159	37	23%	35 UK	1736	185	11%
11 Vietnam	289	63	22%	36 Serbia	131	13	10%
12 South Africa	329	68	21%	37 Switzerland	526	52	10%
13 Greece	507	98	19%	38 Japan	12198	1172	10%
14 Netherlands	455	84	18%	39 Slovakia	84	8	10%
15 Romania	721	131	18%	40 Finland	547	52	10%
16 Canada	1025	181	18%	41 Germany	5650	528	9%
17 China	4960	863	17%	42 Hungary	266	23	9%
18 Australia	491	84	17%	43 Norway	310	26	8%
19 Italy	3490	566	16%	44 Thailand	167	13	8%
20 Spain	1614	258	16%	45 France	4824	357	7%
21 Argentina	204	31	15%	46 Israel	95	7	7%
22 Poland	720	105	15%	47 Portugal	185	11	6%
23 Russia	3467	501	14%	48 Belgium	730	40	5%
24 Croatia	113	16	14%	49 USA-MI	9669	502	5%
25 Sweden	307	42	14%	50 Egypt	109	3	3%



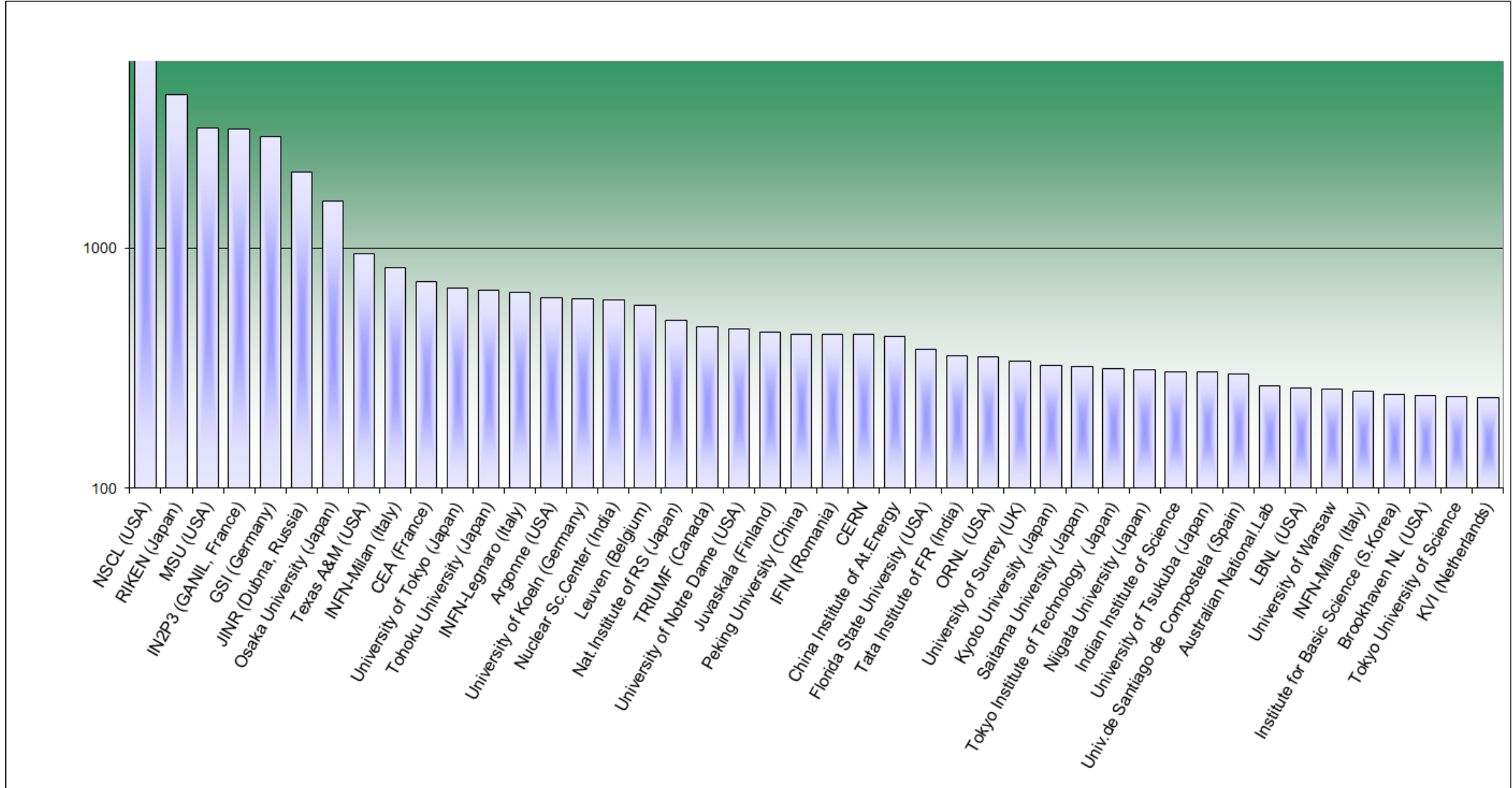




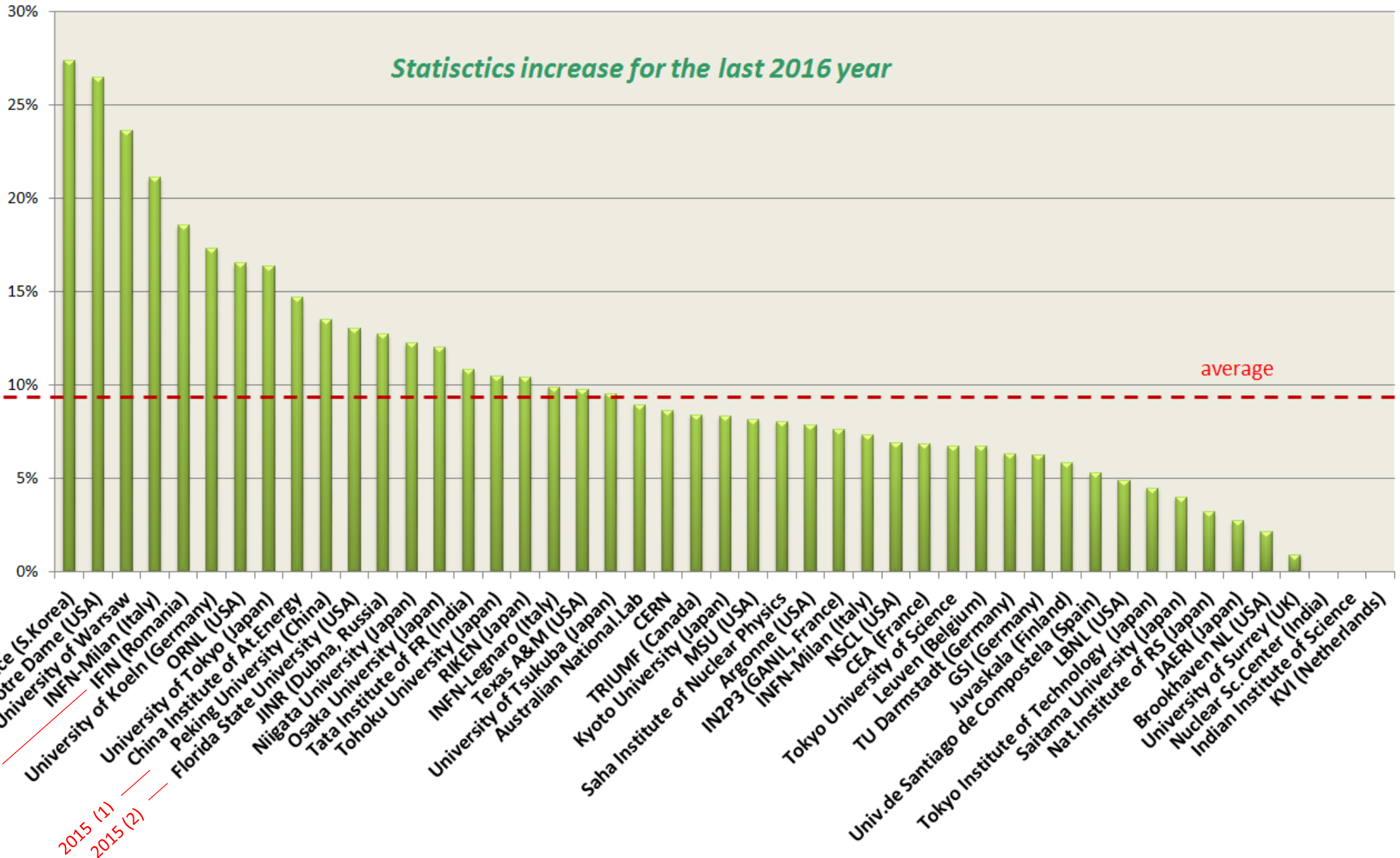




# Laboratories (absolute values) : 2017



2016



2015 (3)

2015 (1)

2015 (2)

