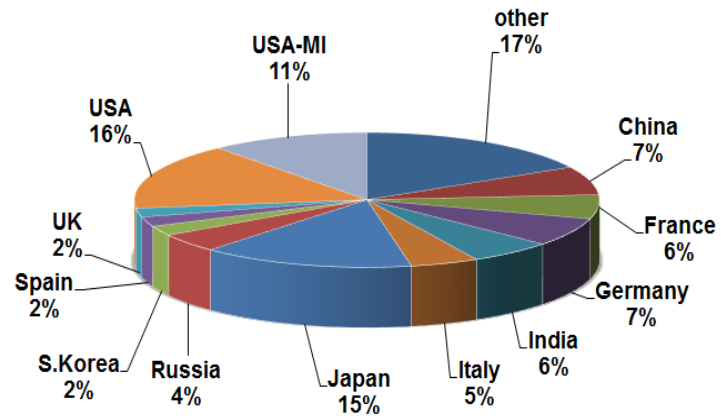
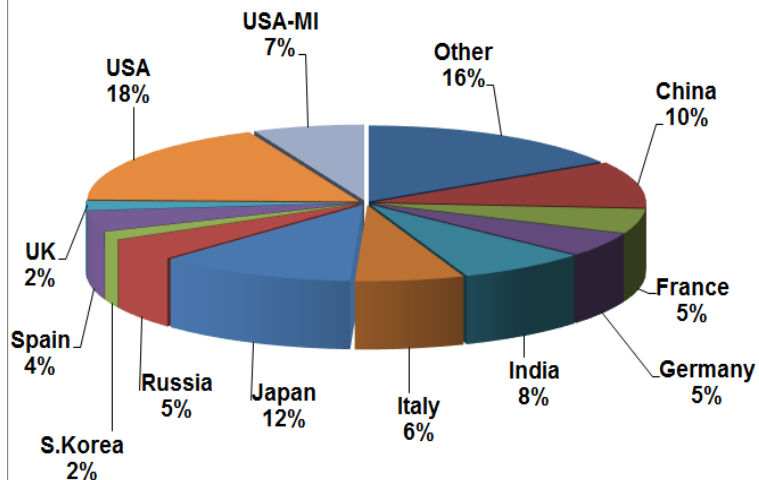


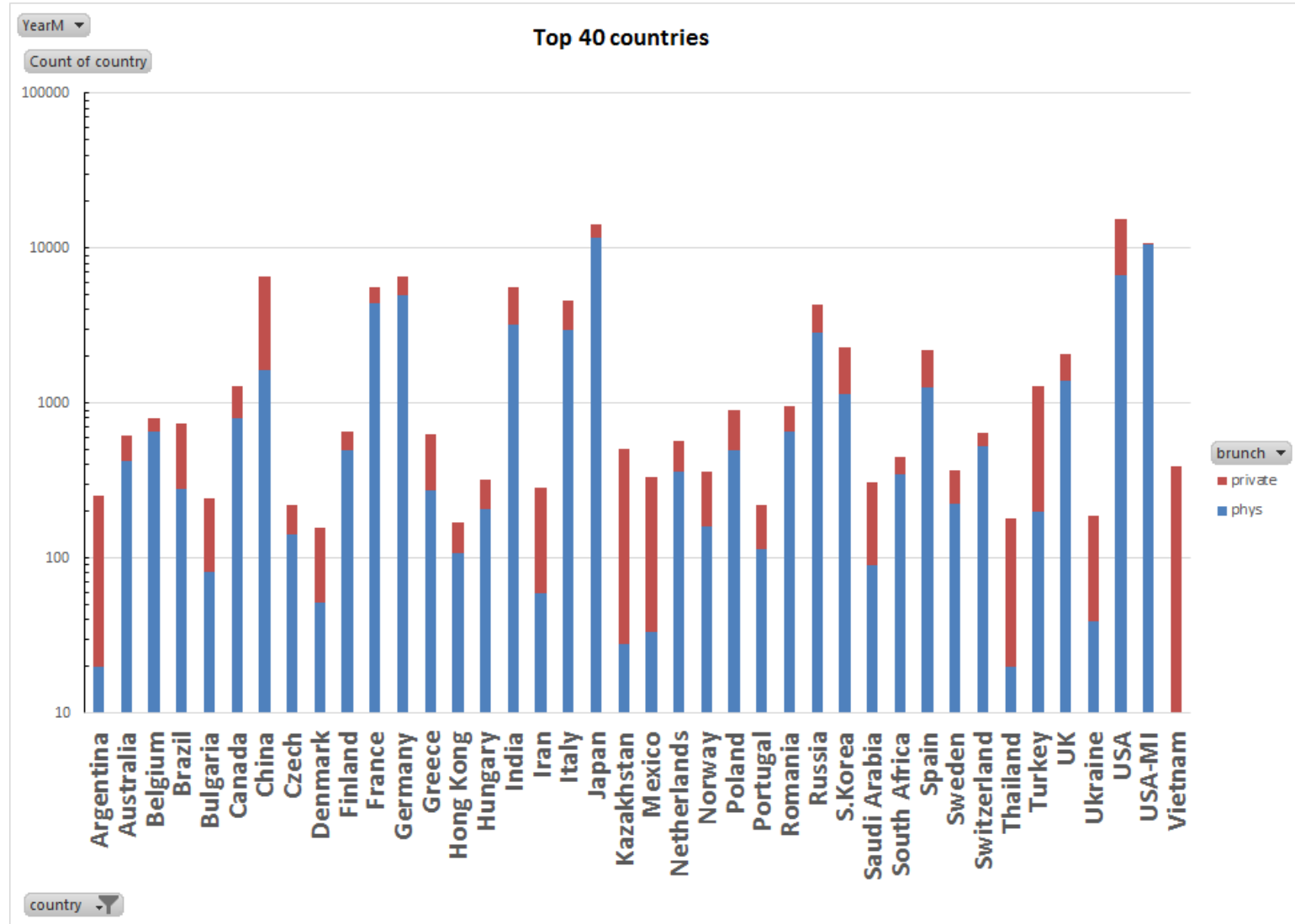
The LISE++ code geography



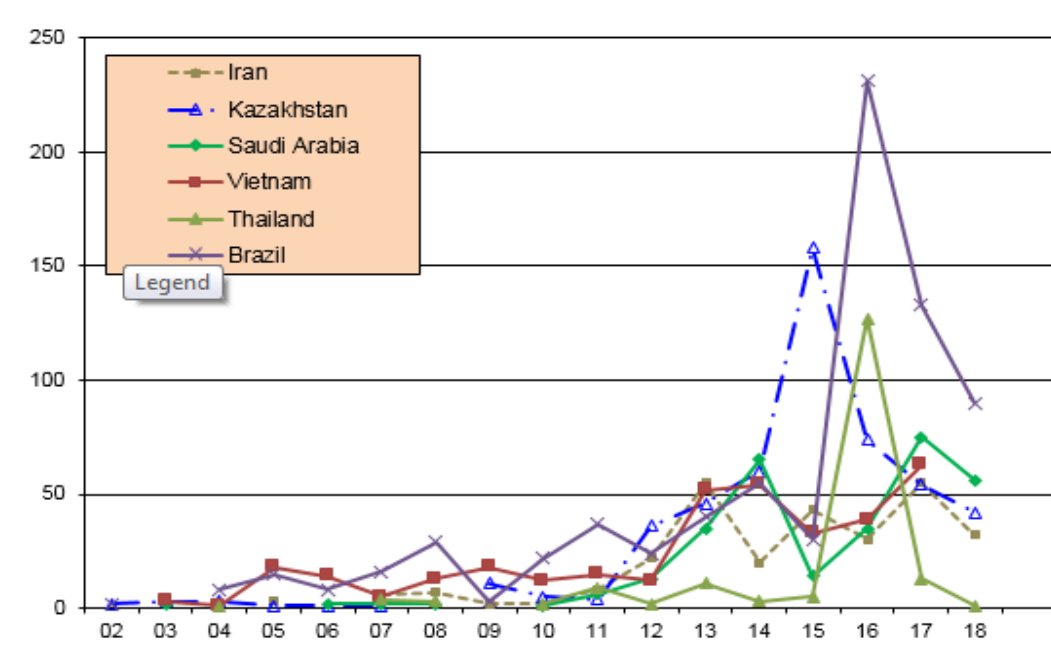
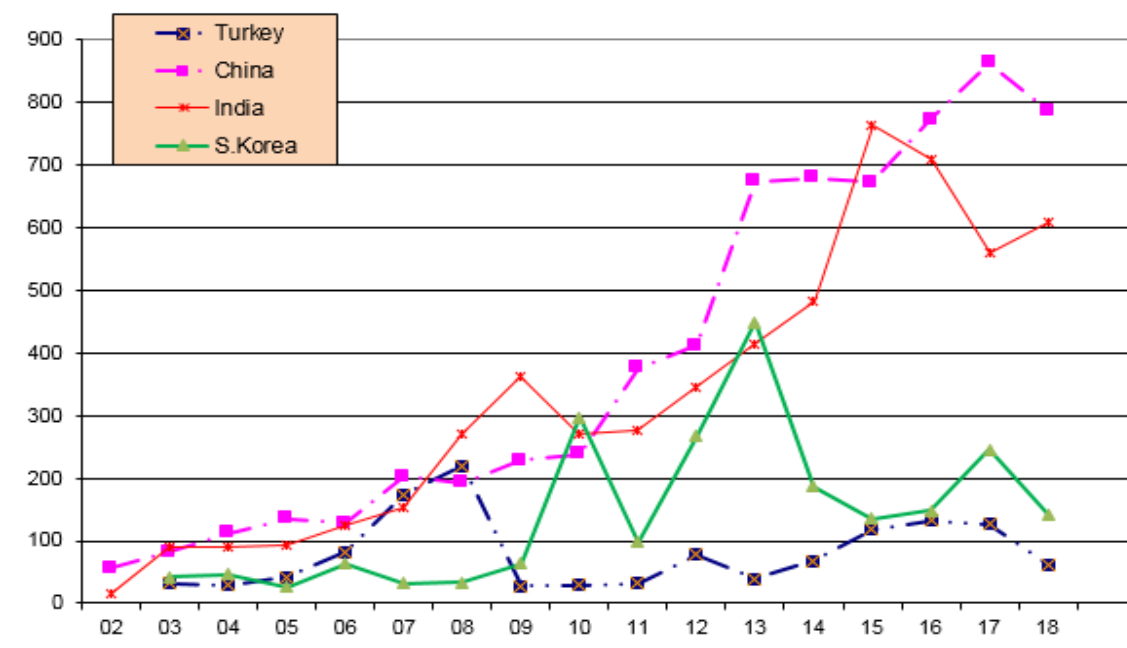
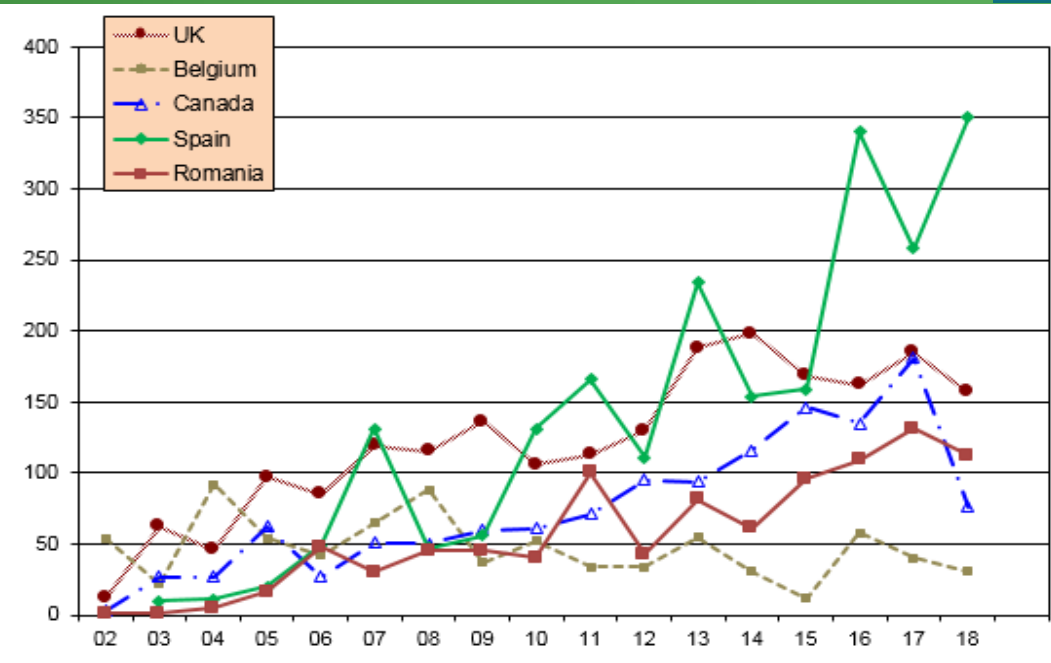
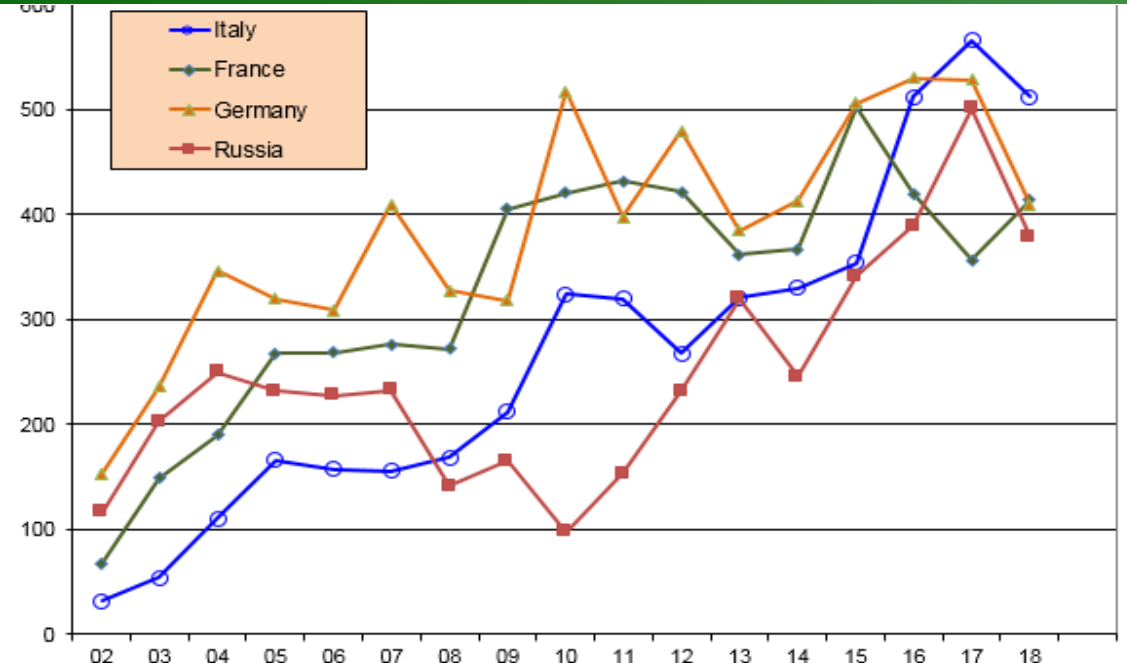
The LISE++ code geography (last 2018 year)



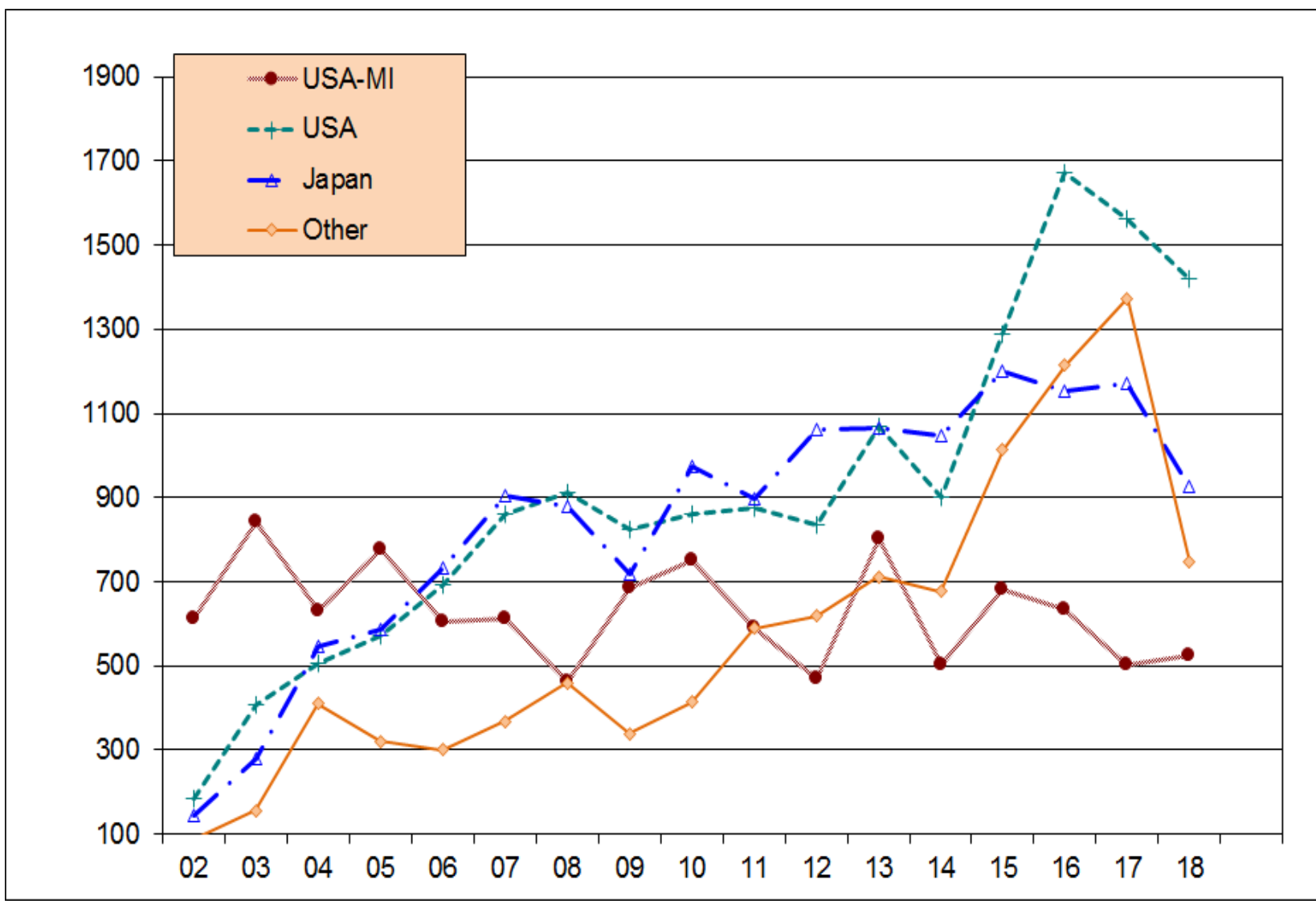
Top 40 countries



By countries per year (1)



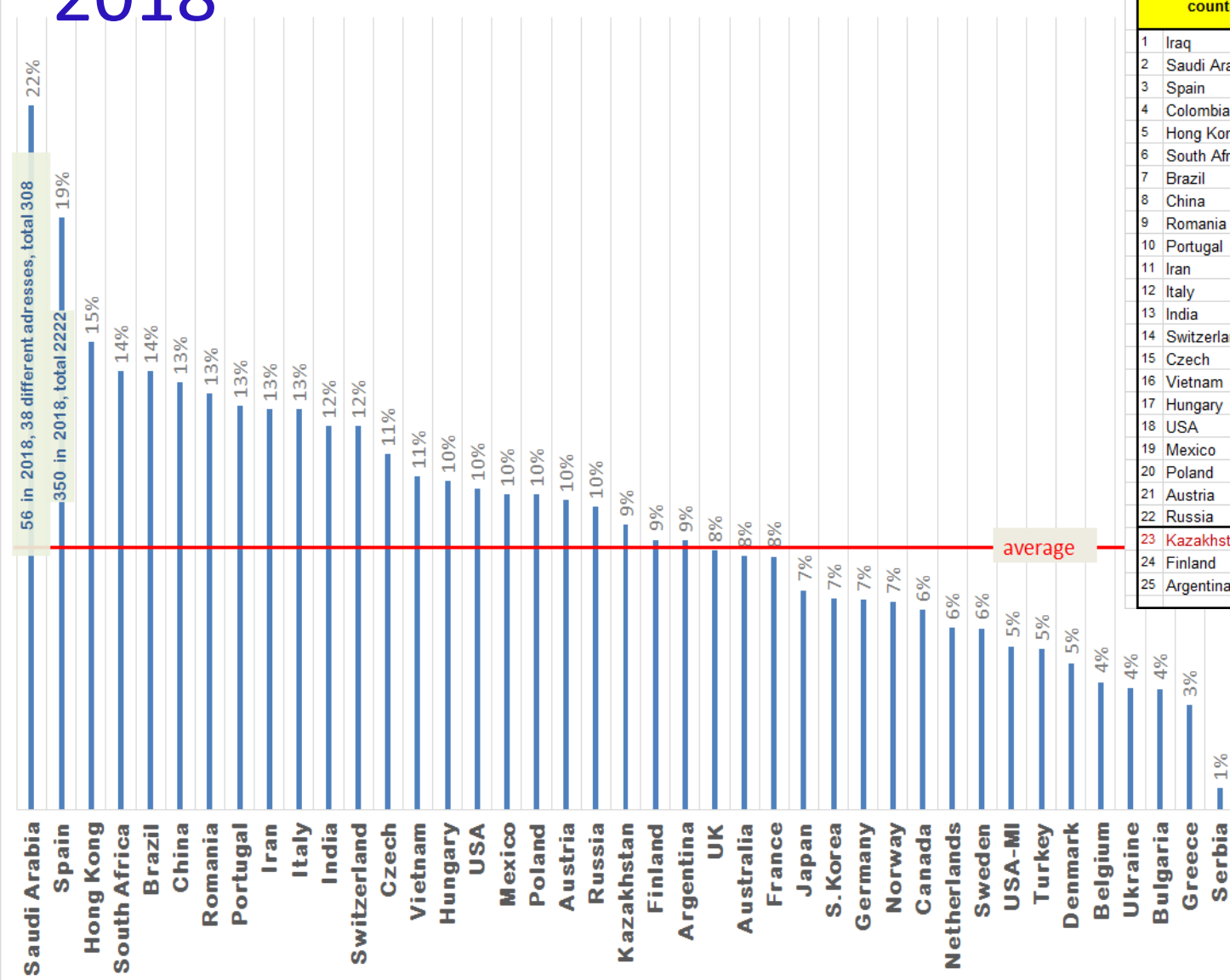
By countries per year (2)



	difference		difference	
	country	[2017]-[2016]	country	[2018]-[2017]
	Other	181	Spain	92
	Russia	112	France	57
	S.Korea	98	India	49
	China	91	USA-MI	23
	Italy	54	Belgium	-9
	Canada	46	Kazakhstan	-12
	Saudi Arabia	40	Thailand	-12
	Iran	25	Romania	-19
	Vietnam	24	Saudi Arabia	-19
	UK	23	Iran	-23
	Japan	19	Vietnam	-26
	Germany	-2	UK	-28
	Turkey	-6	Brazil	-43
	Belgium	-18	Italy	-54
	Kazakhstan	-20	Turkey	-64
	France	-63	China	-77
	Spain	-82	S.Korea	-104
	Brazil	-98	Canada	-105
	USA	-110	Germany	-118
	Thailand	-114	Russia	-122
	USA-MI	-133	USA	-141
	India	-150	Japan	-245
			Other	-626
Grand Total		-83	Grand Total	-1626

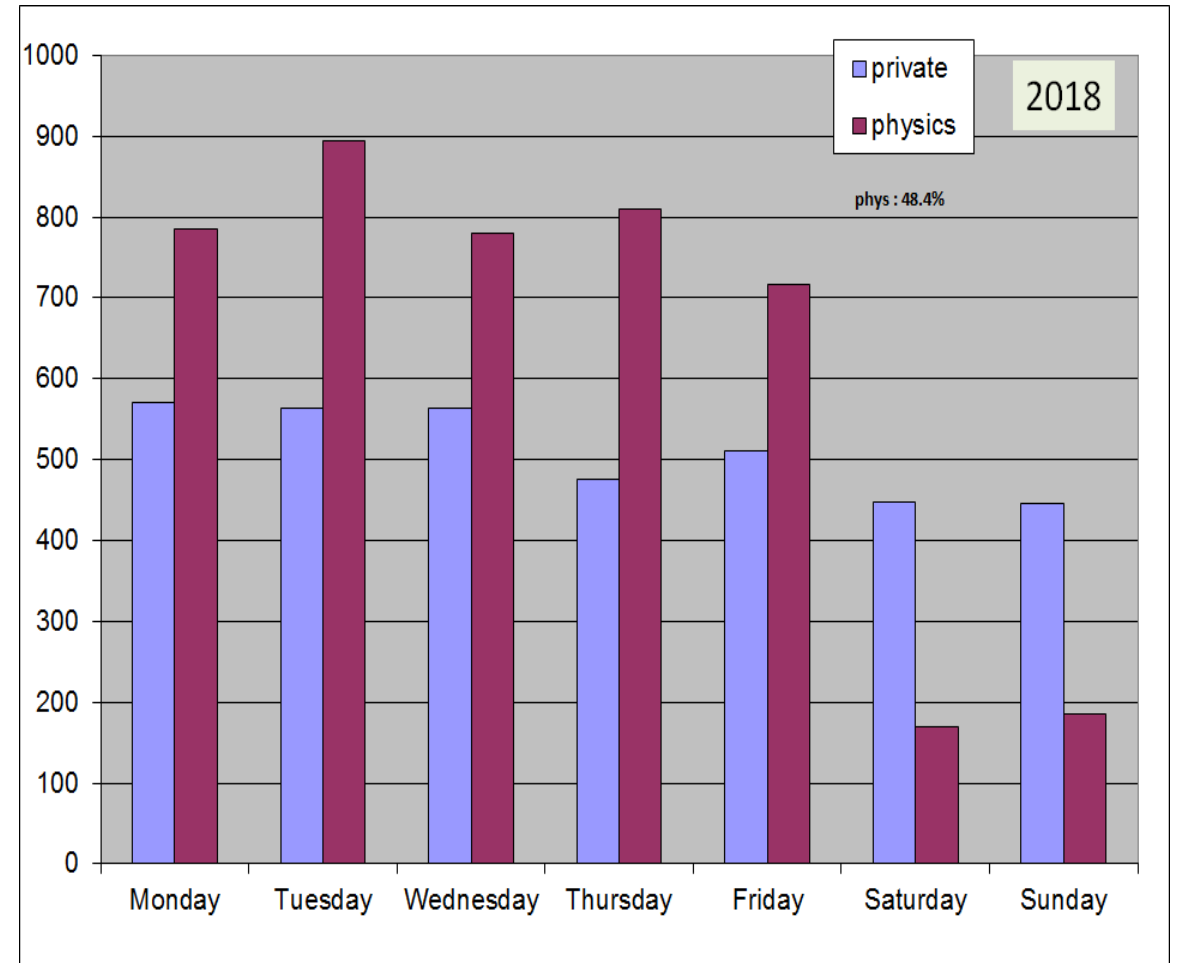
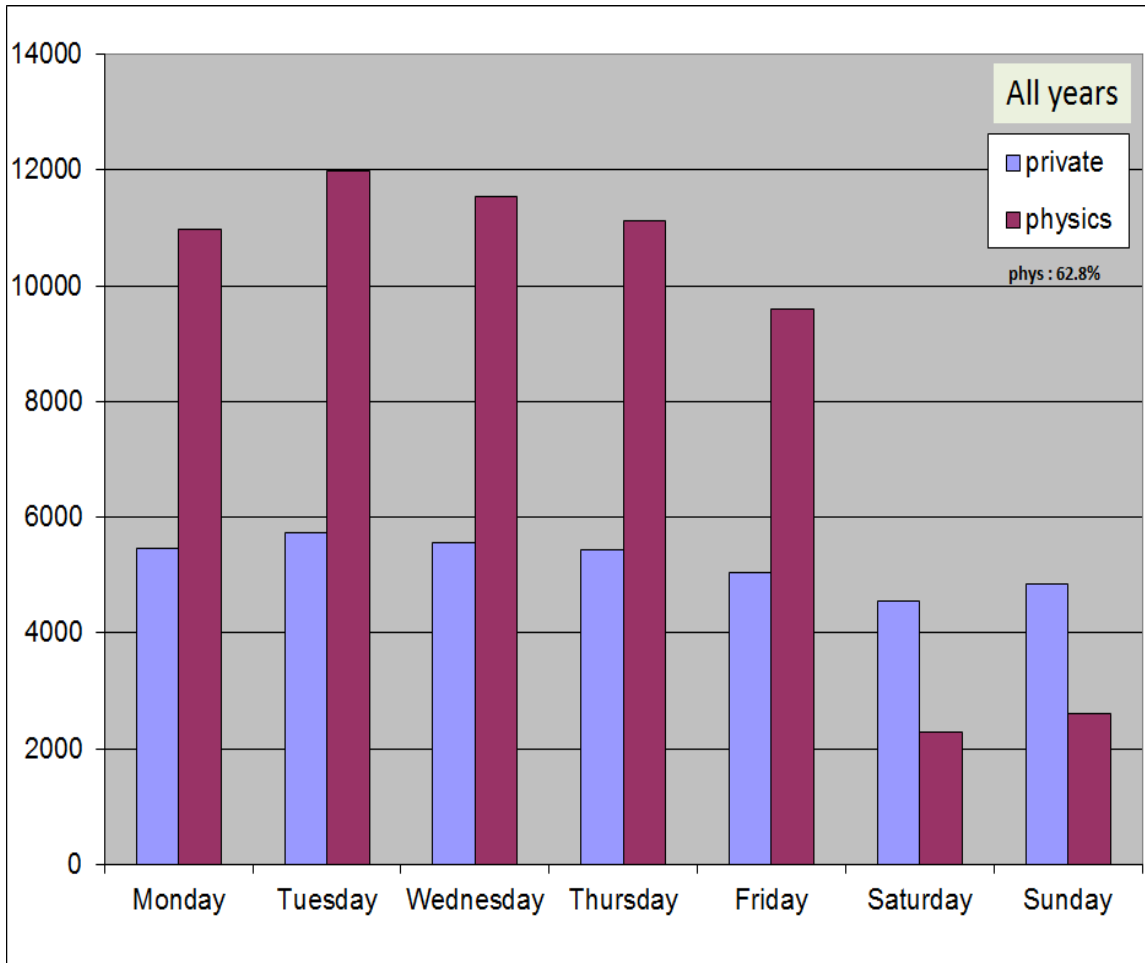
2018

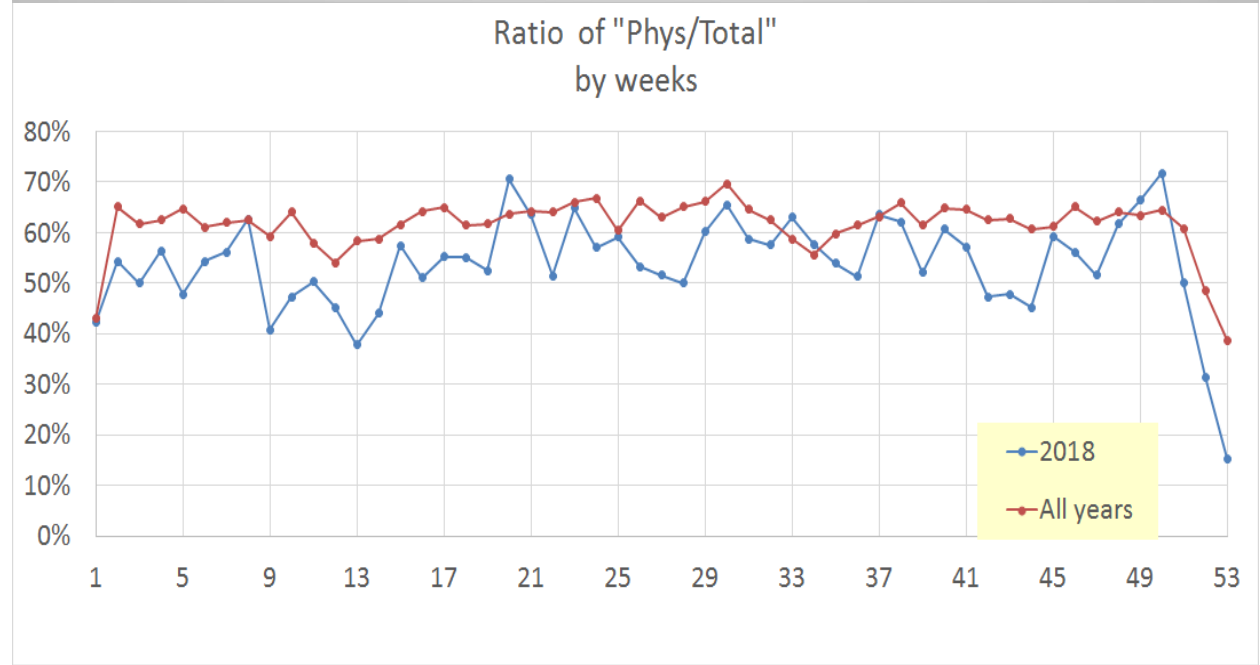
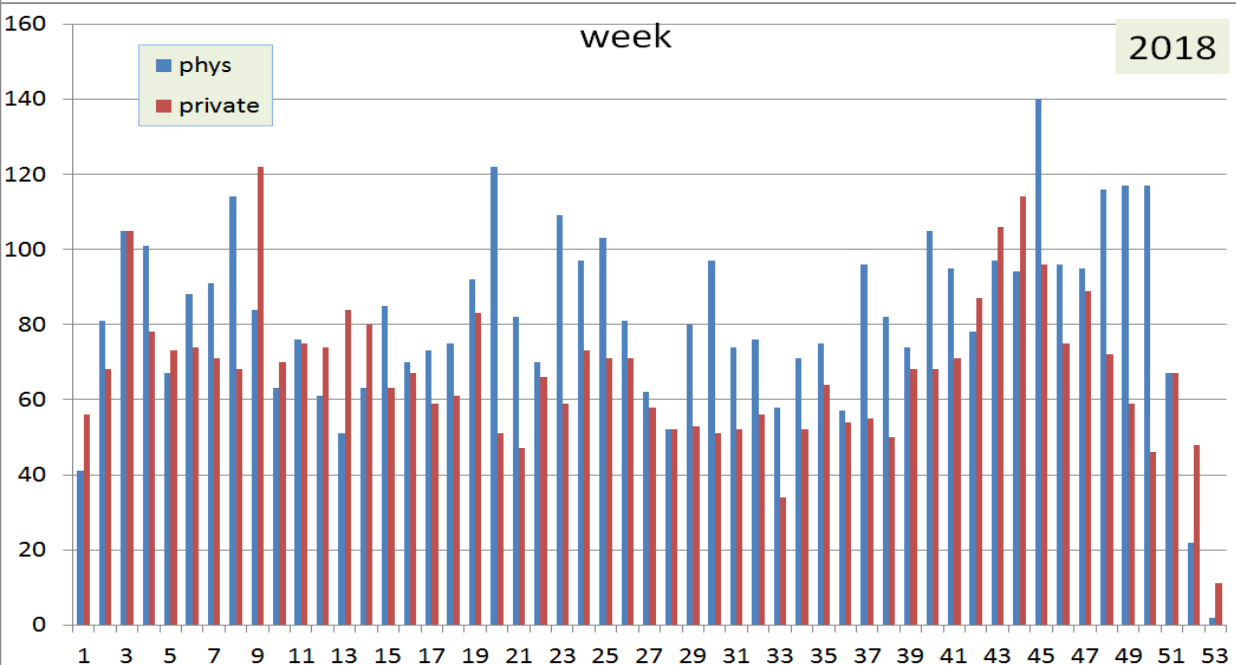
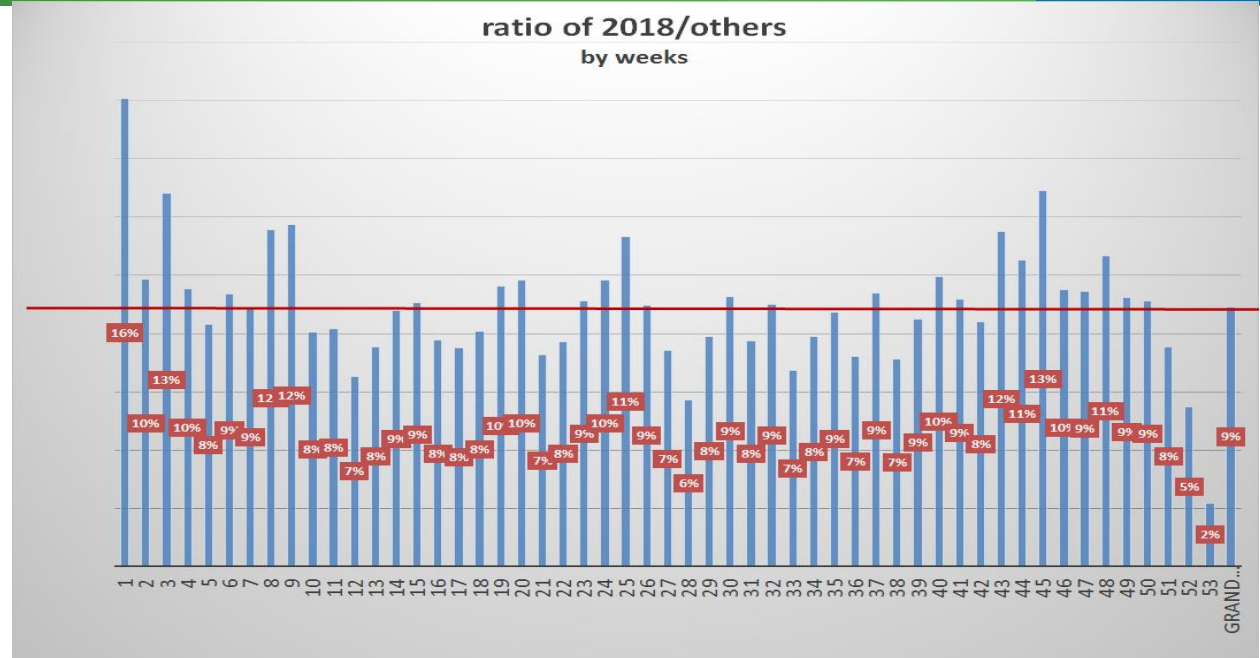
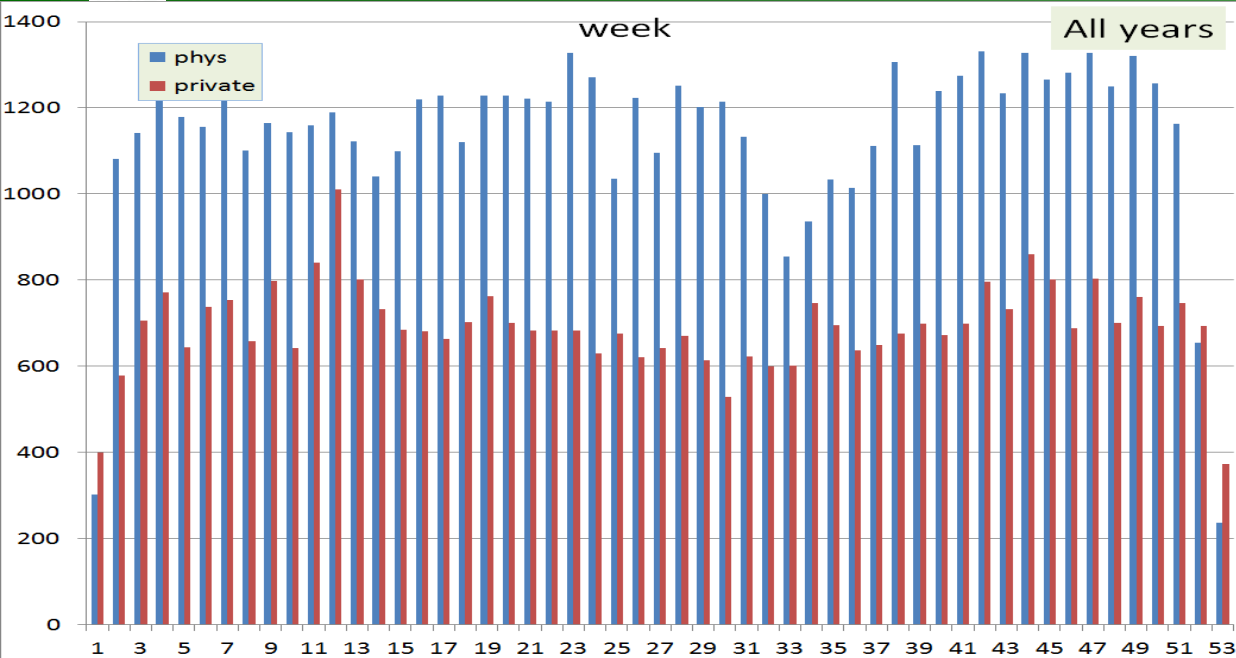
TOP 40 COUNTRIES: RATIO OF 2018 / SUM(2002:2017)

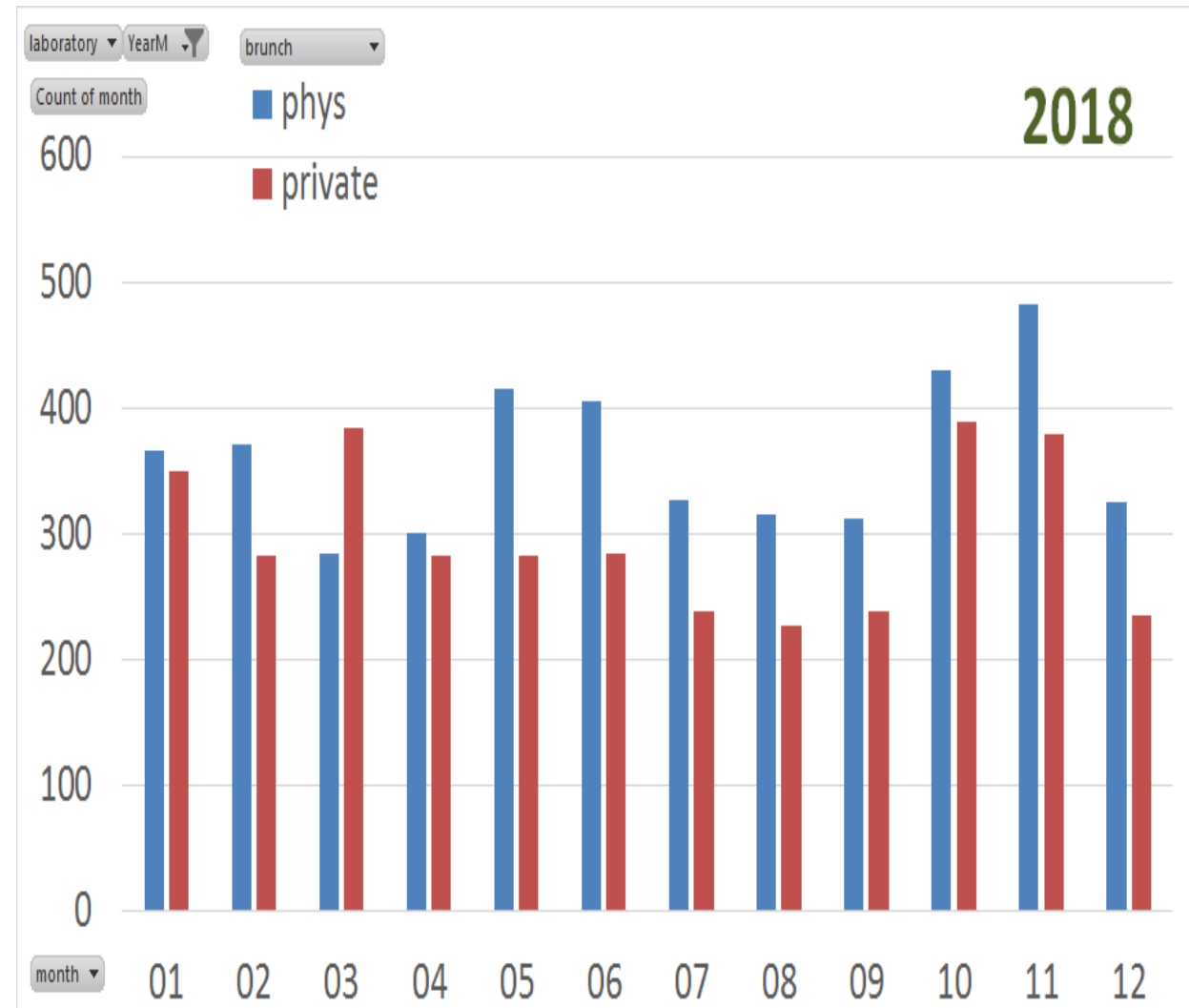
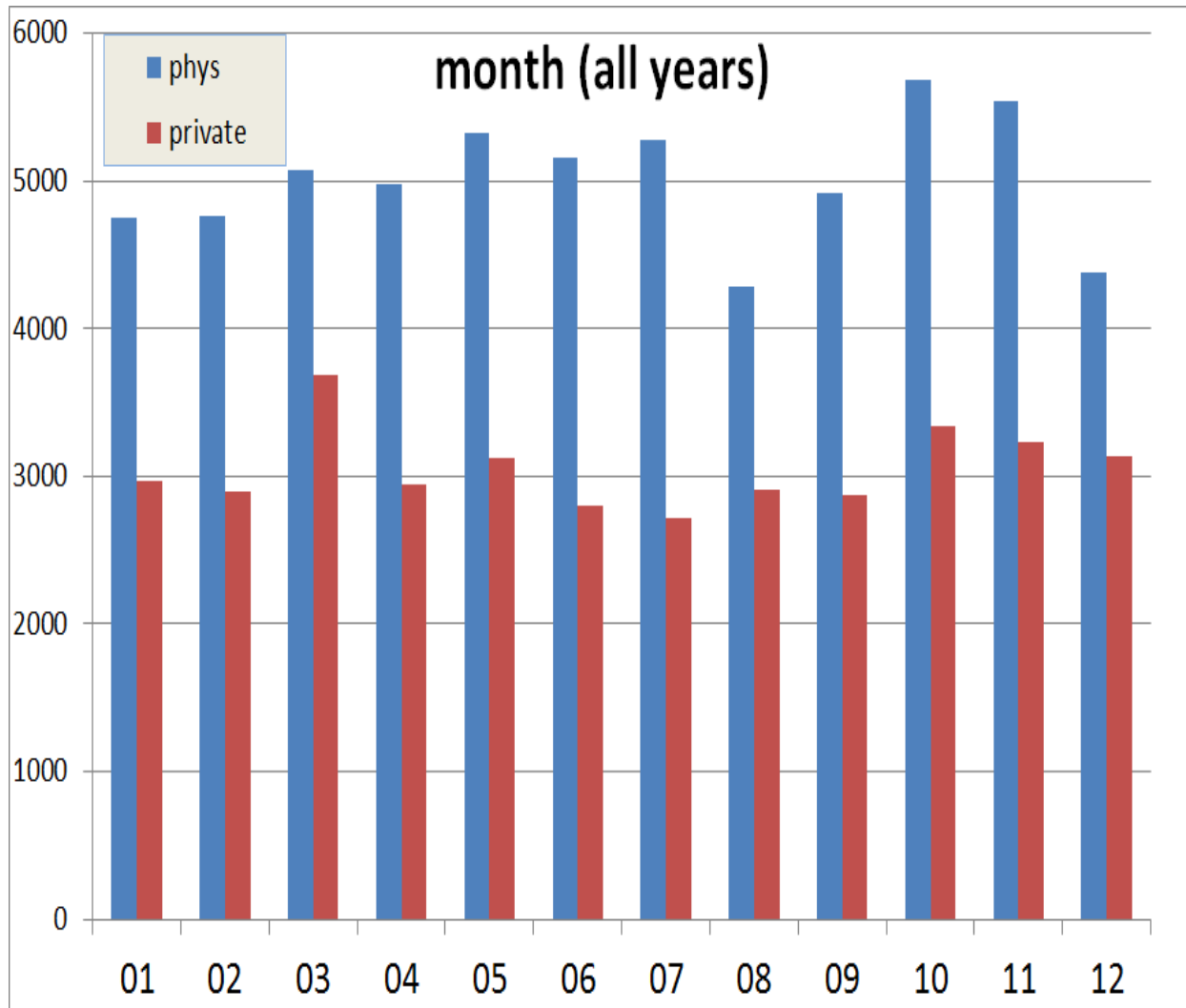


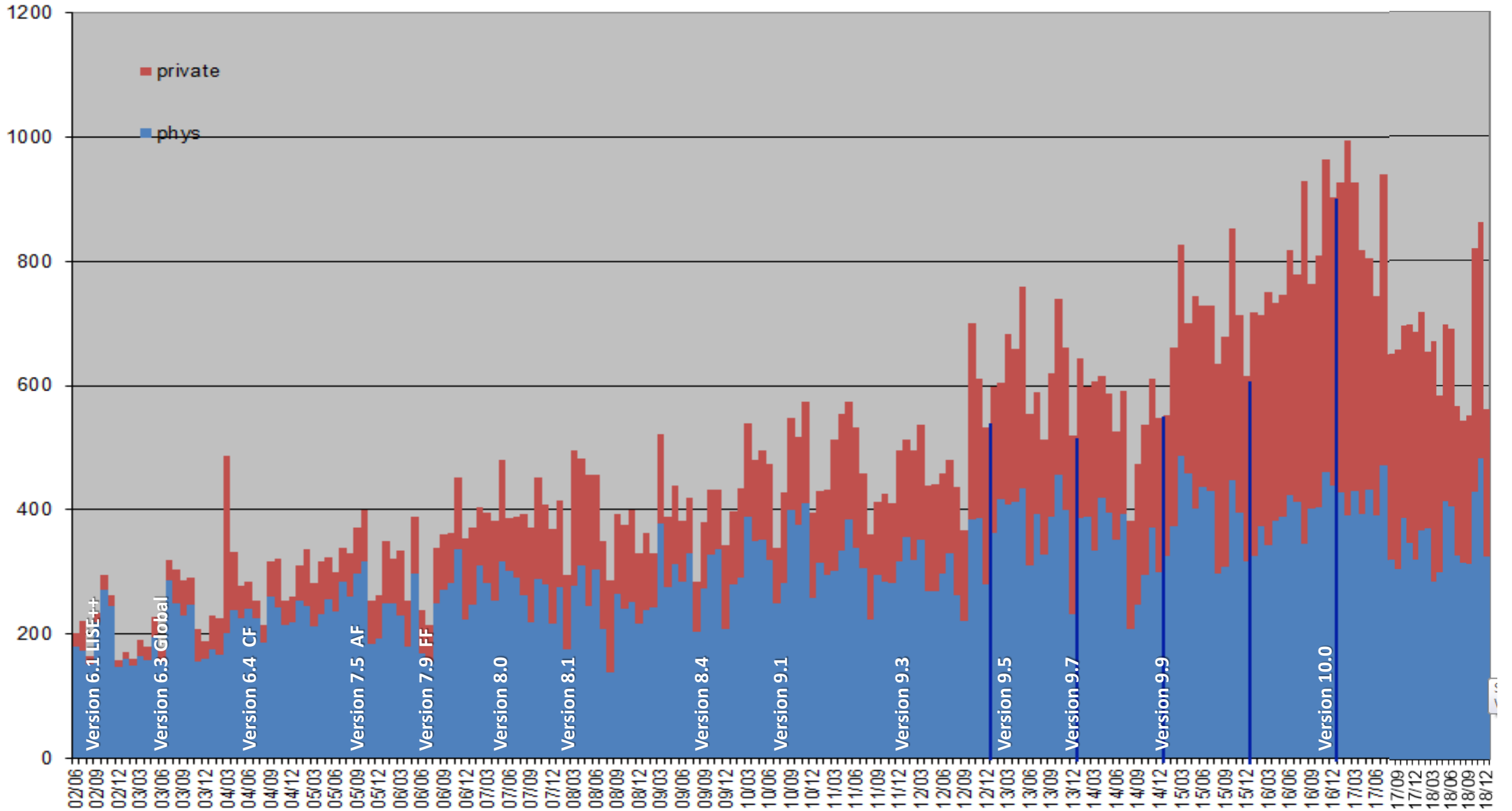
country	Total (...2017)	2018	2018 / Total	country	Total (...2017)	2018	2018 / Total
1 Iraq	93	34	37%	26 UK	1921	157	8%
2 Saudi Arabia	252	56	22%	27 Australia	575	46	8%
3 Spain	1872	350	19%	28 France	5181	414	8%
4 Colombia	99	16	16%	29 Slovakia	92	7	8%
5 Hong Kong	149	22	15%	30 Japan	13370	927	7%
6 South Africa	397	55	14%	31 S. Korea	2134	142	7%
7 Brazil	651	90	14%	32 Germany	6178	410	7%
8 China	5823	786	13%	33 Norway	336	22	7%
9 Romania	852	112	13%	34 Canada	1206	76	6%
10 Portugal	196	25	13%	35 Netherlands	539	31	6%
11 Iran	253	32	13%	36 Sweden	349	20	6%
12 Italy	4056	512	13%	37 Ethiopia	94	5	5%
13 India	5019	608	12%	38 USA-MI	10171	525	5%
14 Switzerland	578	70	12%	39 Turkey	1224	62	5%
15 Czech	196	22	11%	40 Croatia	129	6	5%
16 Vietnam	352	37	11%	41 Denmark	151	7	5%
17 Hungary	289	30	10%	42 Egypt	112	5	4%
18 USA	14024	1421	10%	43 Belgium	770	31	4%
19 Mexico	301	30	10%	44 Ukraine	182	7	4%
20 Poland	825	82	10%	45 Bulgaria	236	9	4%
21 Austria	143	14	10%	46 Greece	605	20	3%
22 Russia	3968	379	10%	47 Israel	102	3	3%
23 Kazakhstan	467	42	9%	48 Egypt	109	3	3%
24 Finland	599	51	9%	49 Serbia	144	1	1%
25 Argentina	235	20	9%	50 Thailand	180	1	1%

average

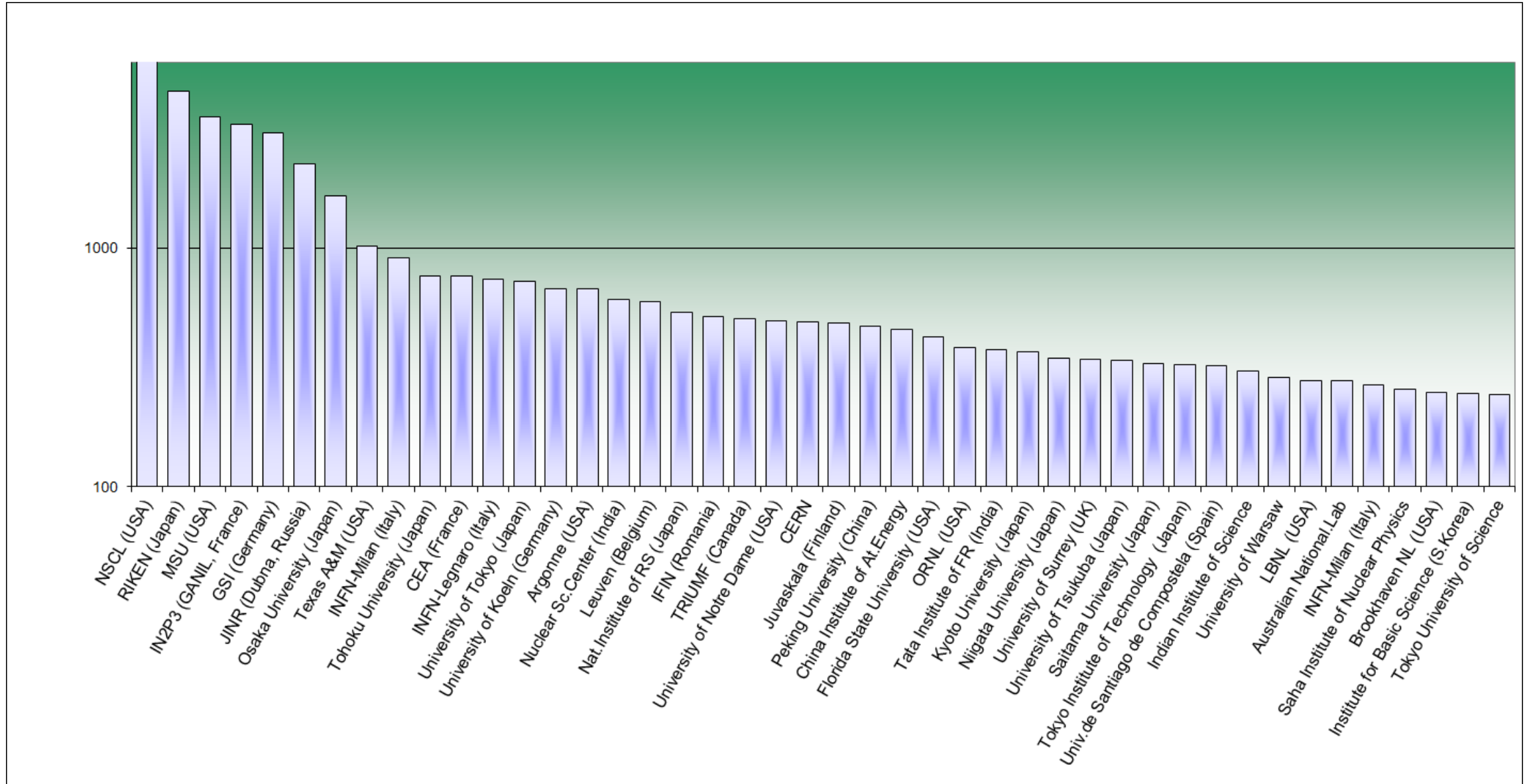


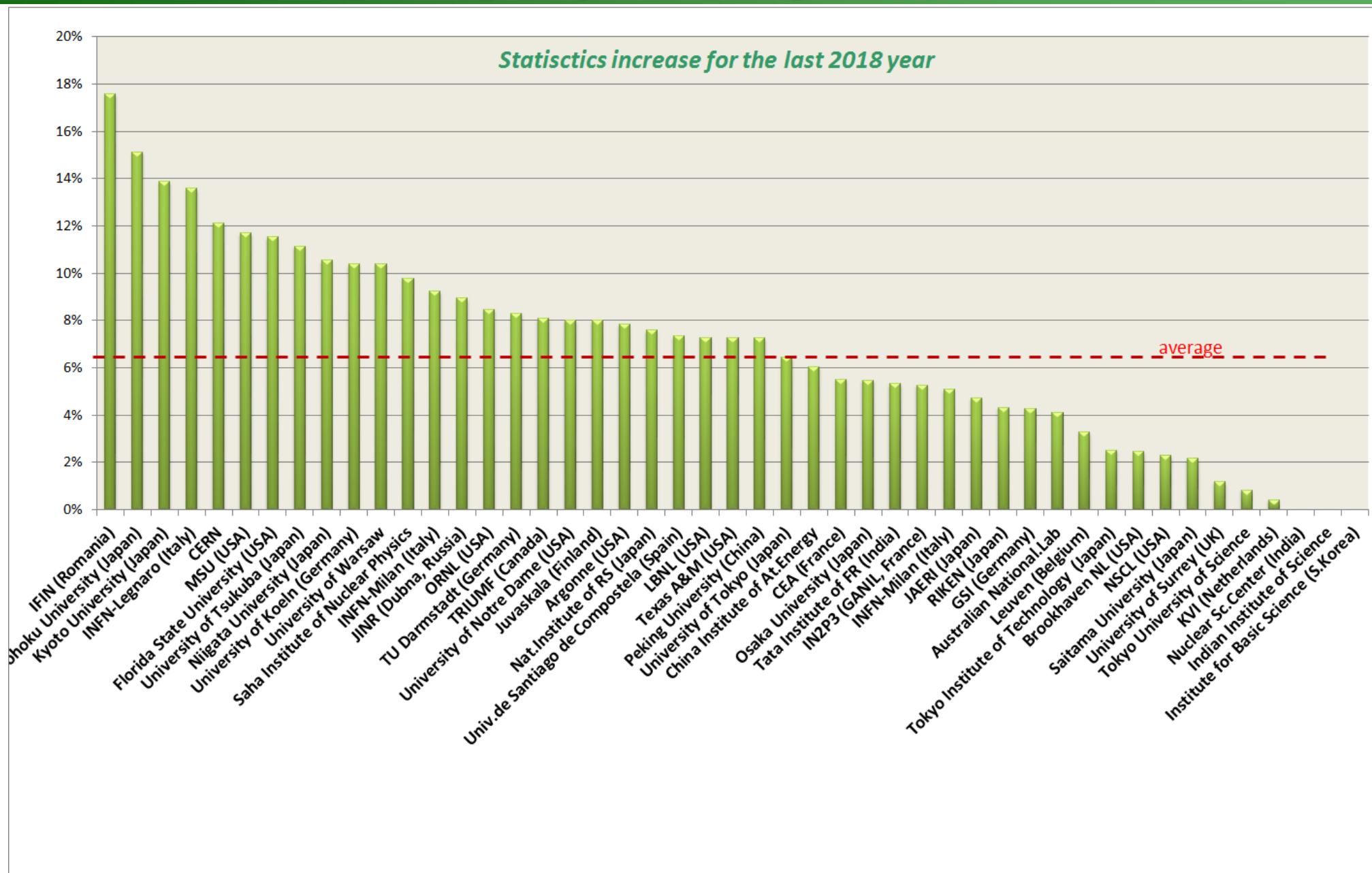


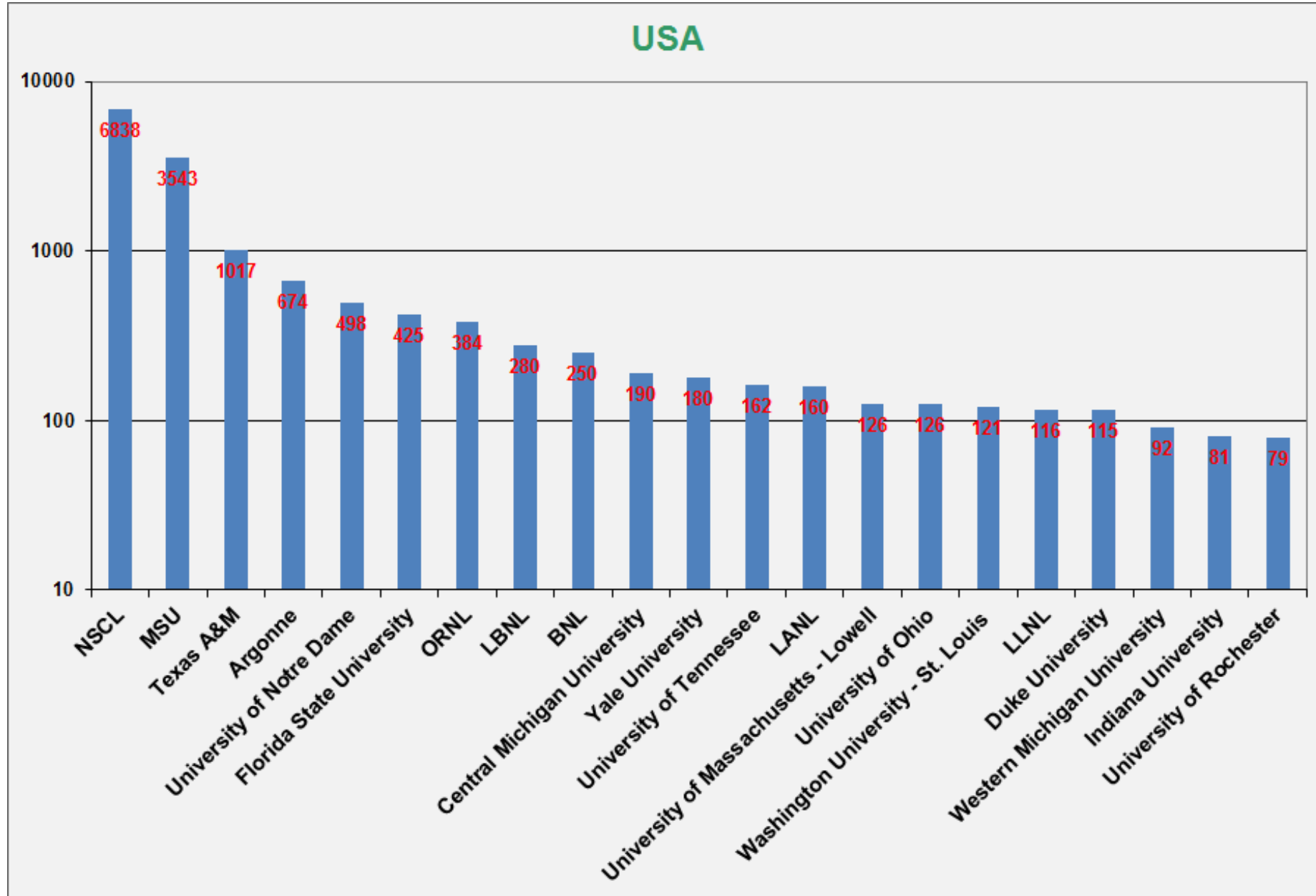




Laboratories (absolute values) : 2018







Laboratories : Germany

