



PCT – Statistics

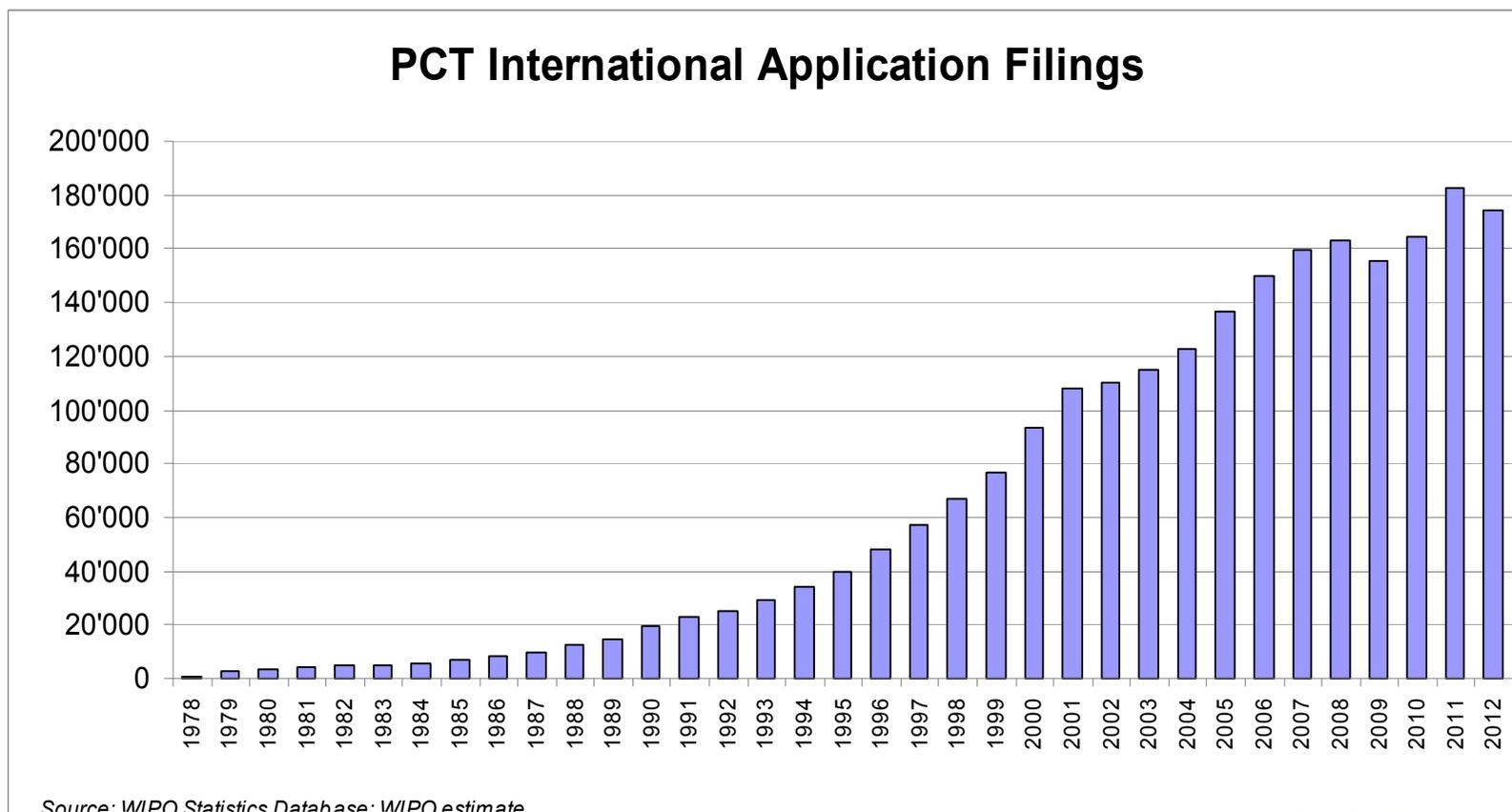
Meeting of International Authorities
Twentieth Session
Munich, February 6 to 8, 2013

Outline

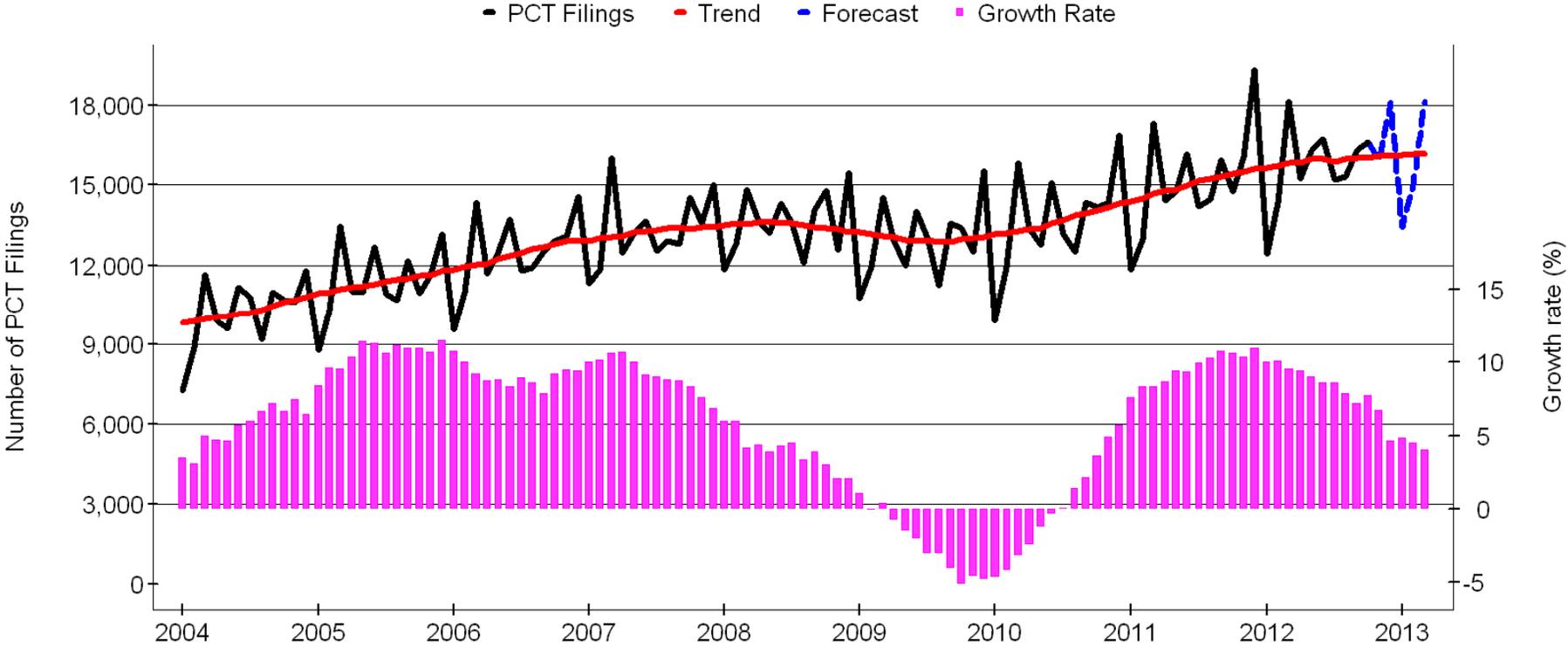
- 1) PCT International Filings
 - 1) Overall Trends and Forecasts
 - 2) Origin of Applicants and Trends
 - 3) Field of Technology
 - 4) Medium of Filing
 - 5) Languages
- 2) PCT National Phase Entries
 - 1) Trends and Comparison with Direct “Paris” Filings
 - 2) Origin of Applicants
 - 3) Offices
- 3) International Authorities
- 4) PCT – Patent Prosecution Highway

1) PCT International Application Filings

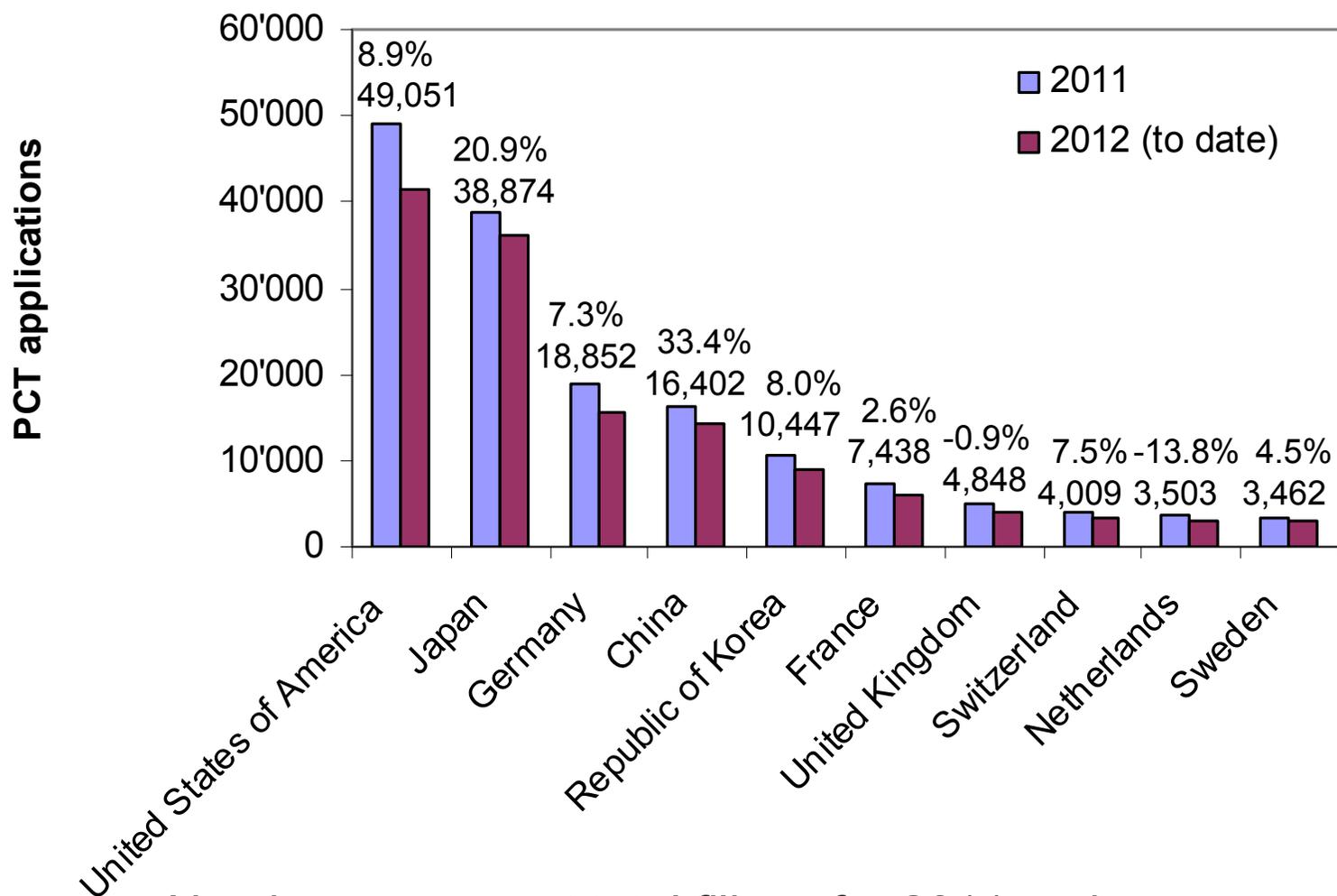
- 2010: 164,338 international applications (+5.7%)
- 2011: 182,371 international applications (+11.0%)
- 2012: 174,050 international applications (until end November)



Trends in PCT Applications

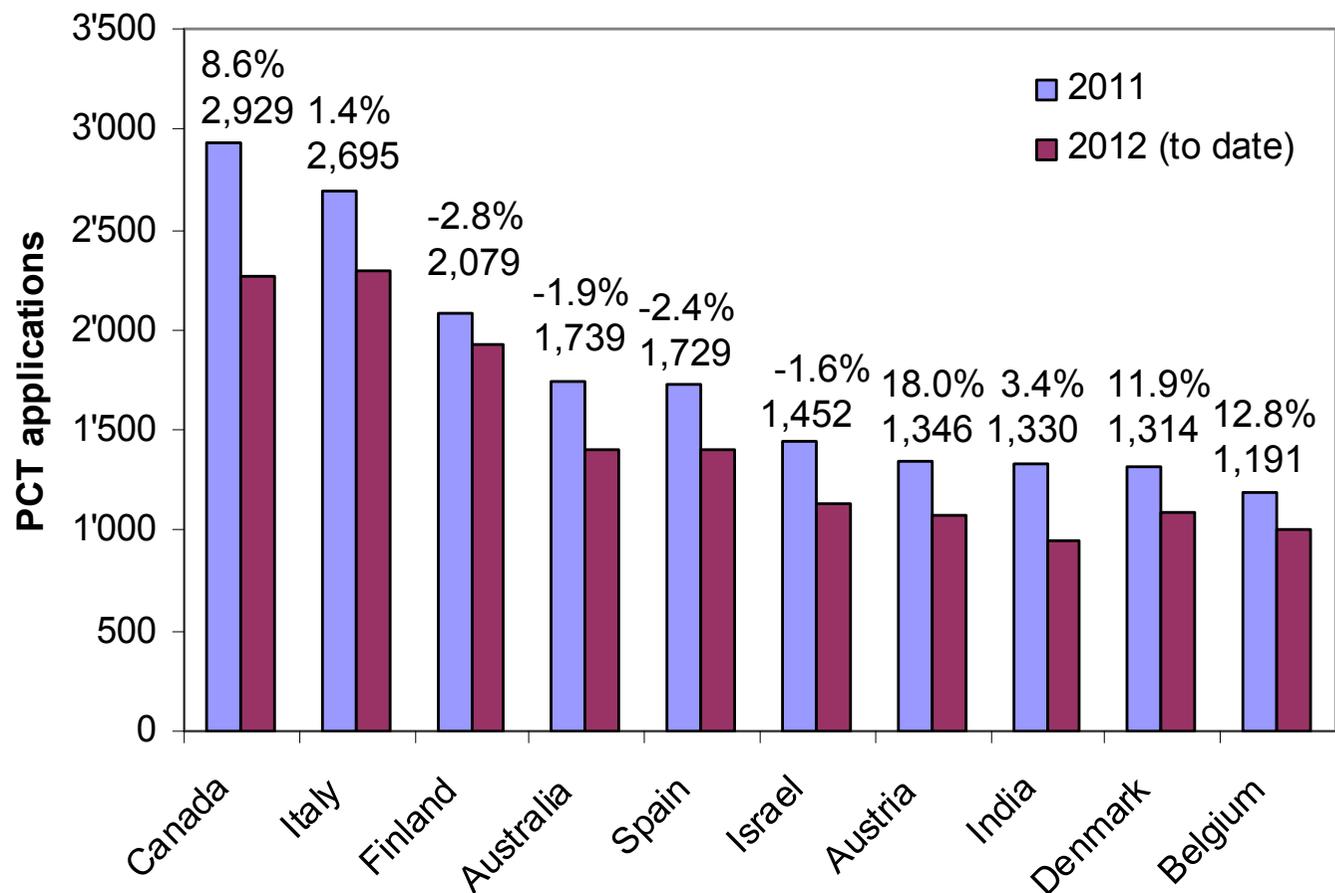


PCT Applications by Top 10 Origins



Numbers represent total filings for 2011 and growth rate (%) 2010-2011
2012 data cover January to October 2012

PCT Applications by Origins 11 to 20

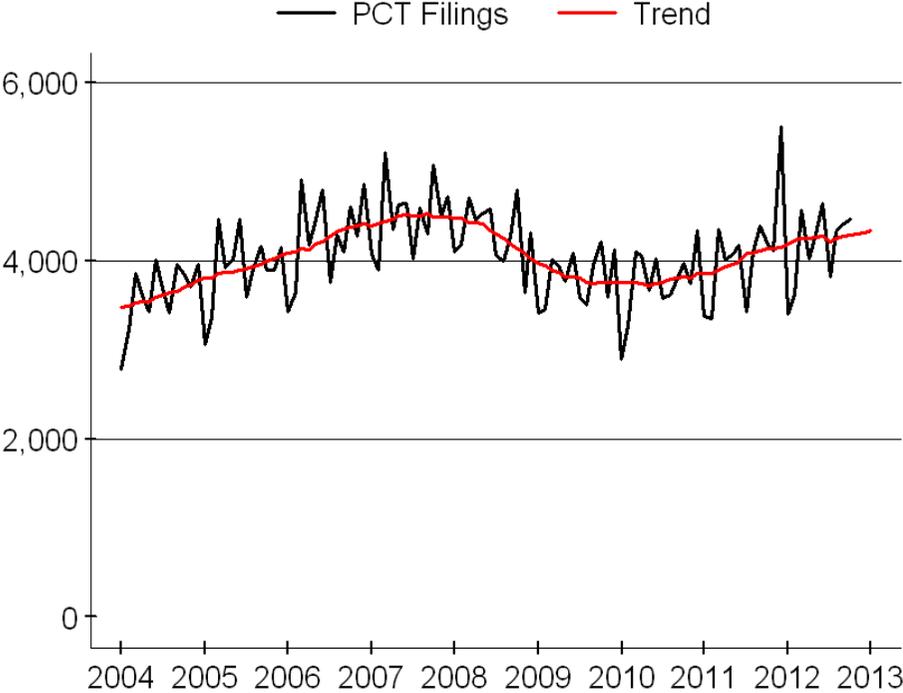


Numbers represent total filings for 2011 and growth rate (%) 2010-2011

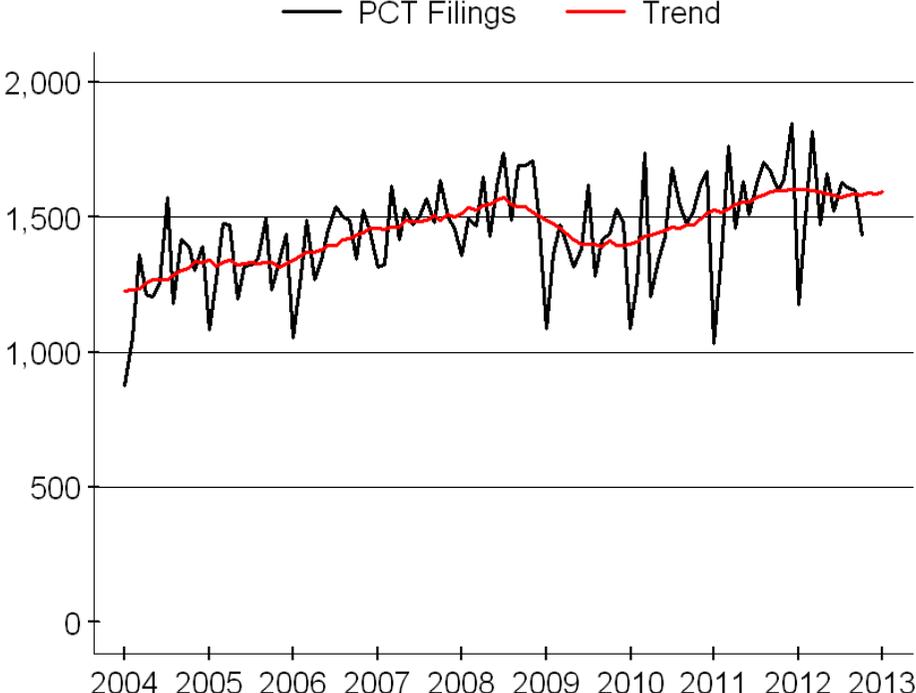
2012 data cover January to October 2012

PCT Monthly Filing Trends (USA / Germany)

United States of America

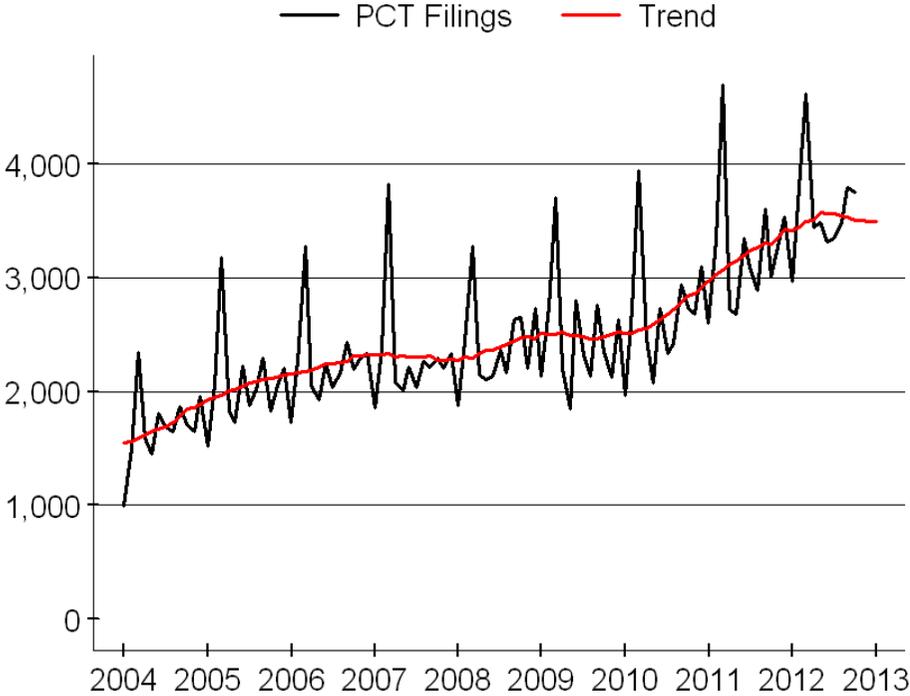


Germany

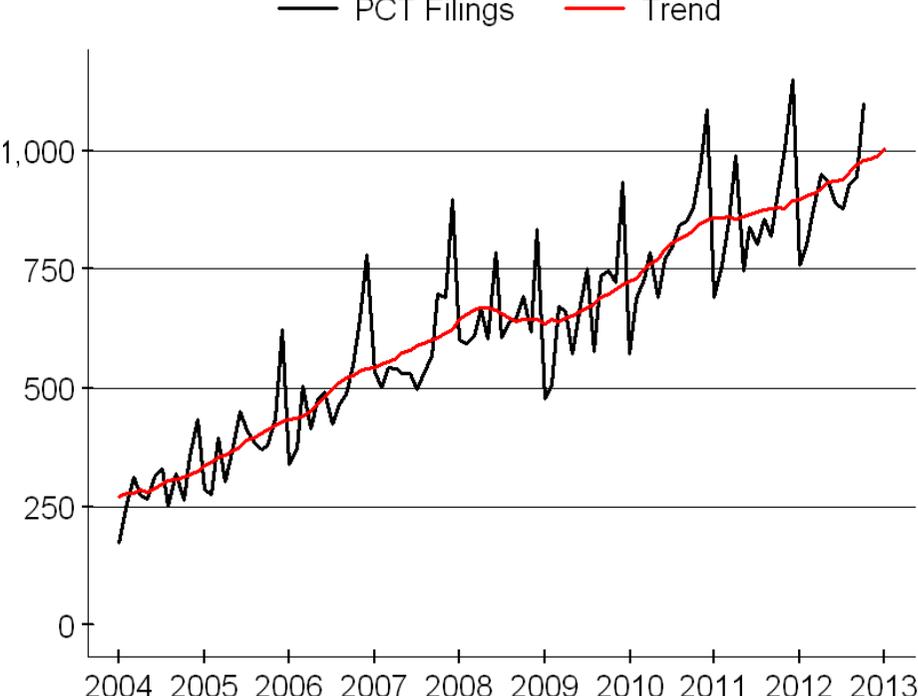


PCT Monthly Filing Trends (Japan/ Korea)

Japan

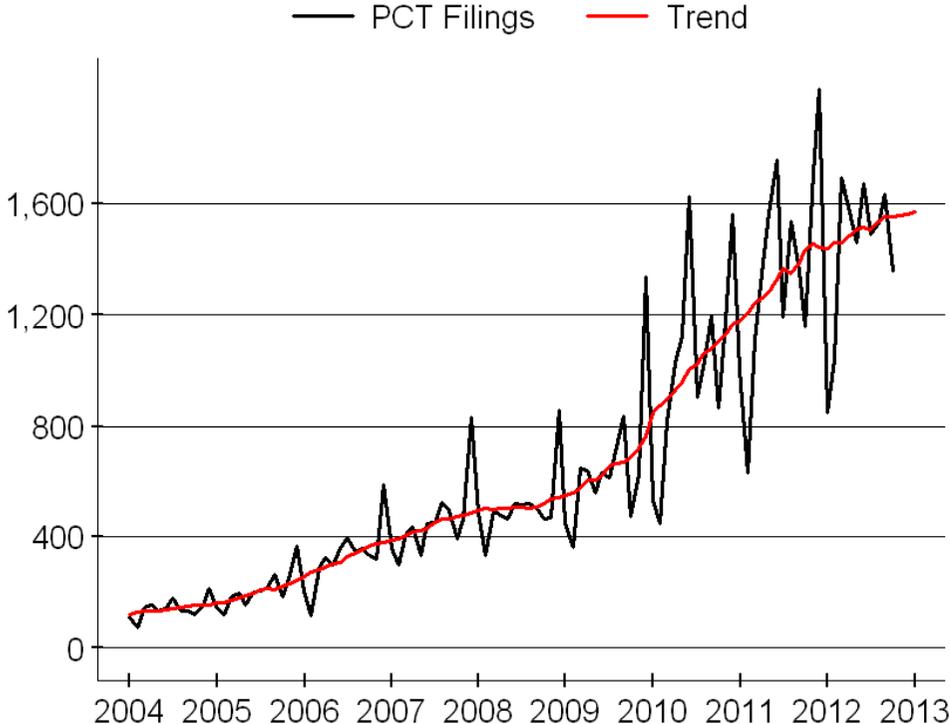


Republic of Korea

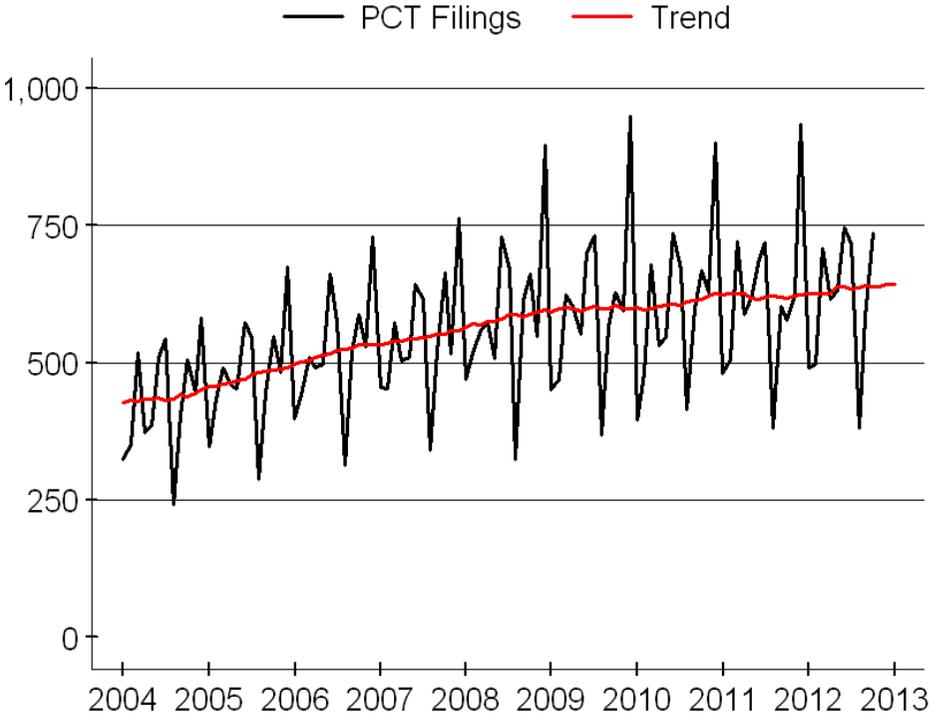


PCT Monthly Filing Trends (China/ France)

China



France



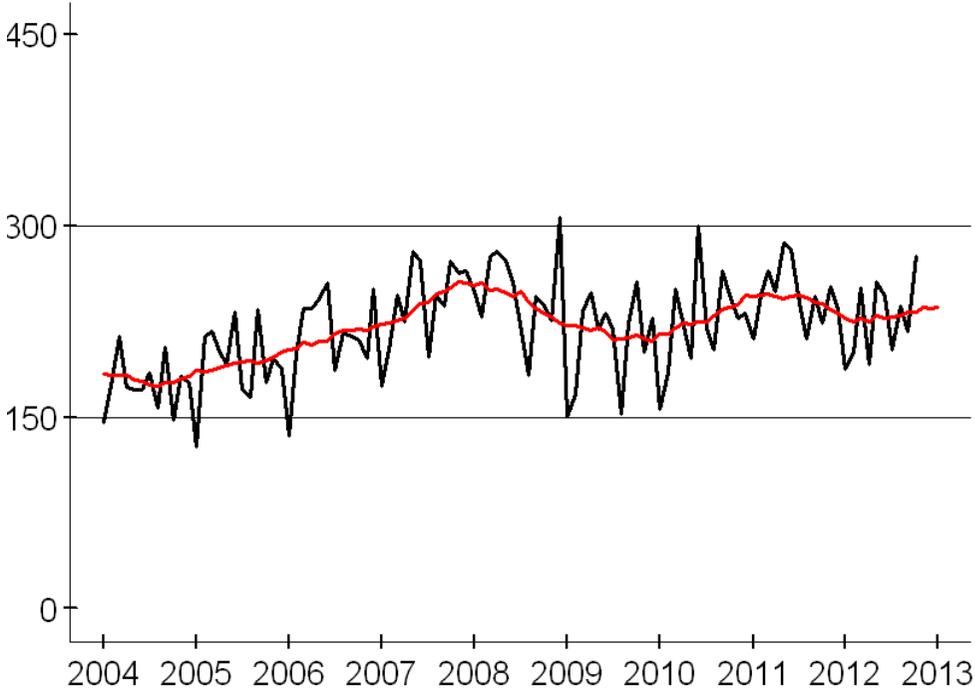
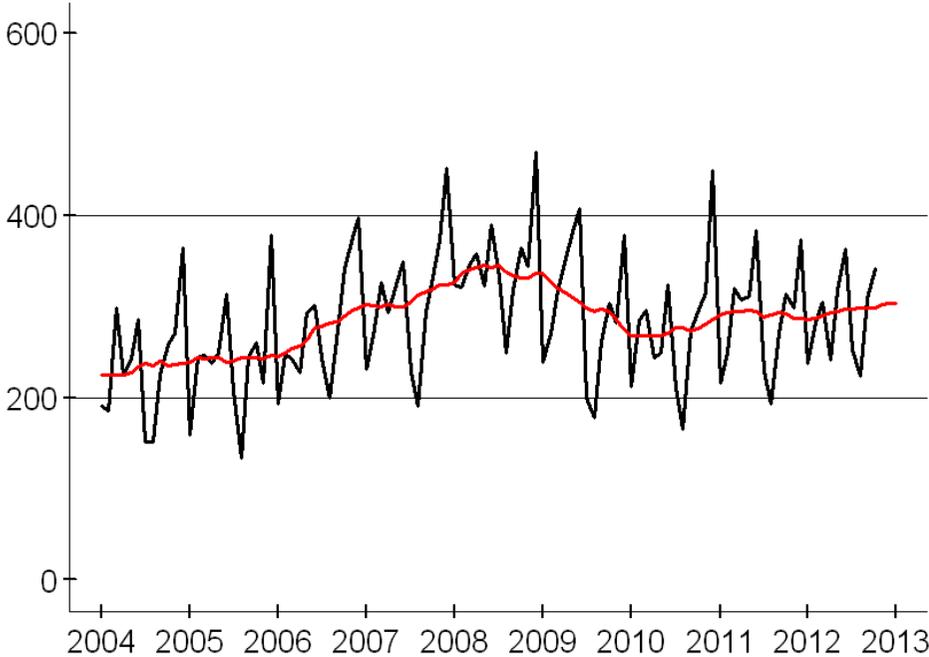
PCT Monthly Filing Trends (Canada/Sweden)

Sweden

Canada

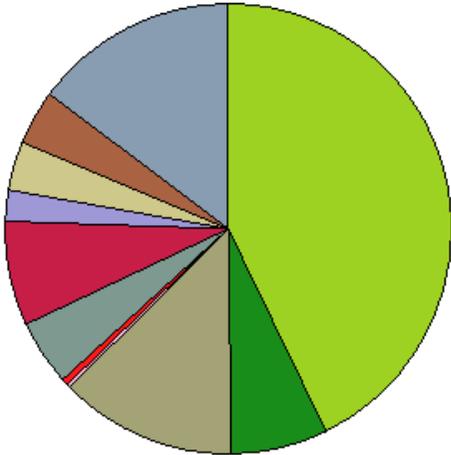
— PCT Filings — Trend

— PCT Filings — Trend



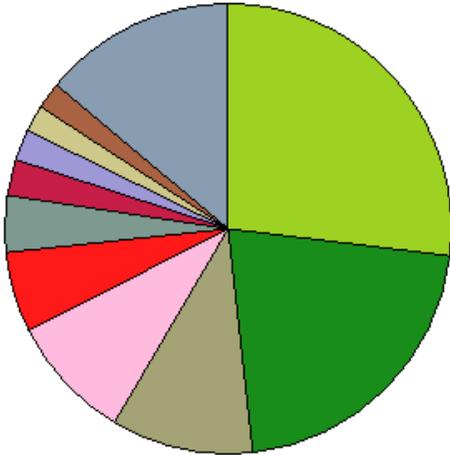
Country share in total PCT applications

1995



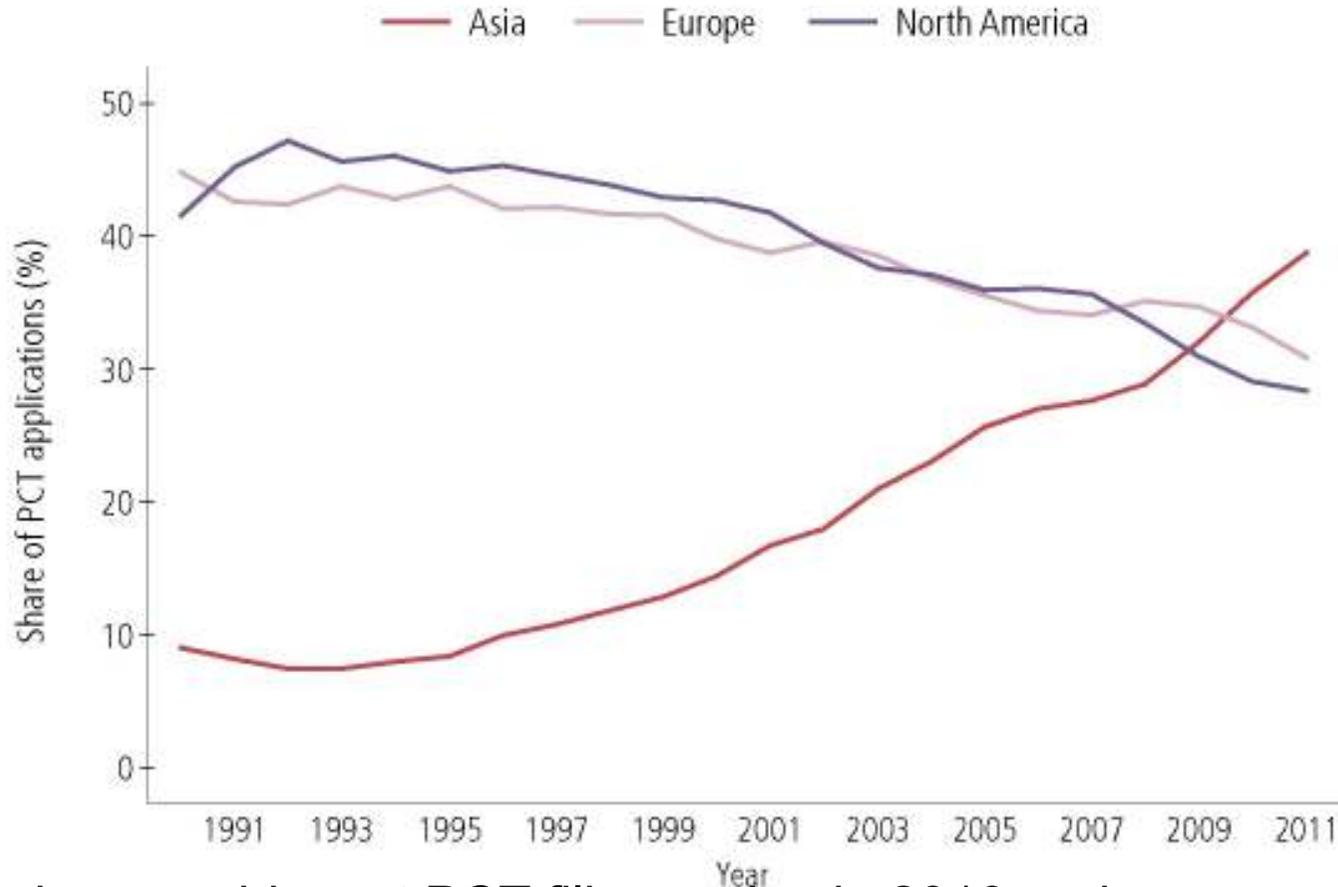
- United States of America: 42.8%
- Germany: 12.8%
- Republic of Korea: 0.5%
- United Kingdom: 7.5%
- Netherlands: 3.5%
- Others: 14.8%
- Japan: 6.9%
- China: 0.3%
- France: 4.7%
- Switzerland: 2.2%
- Sweden: 3.9%

2011



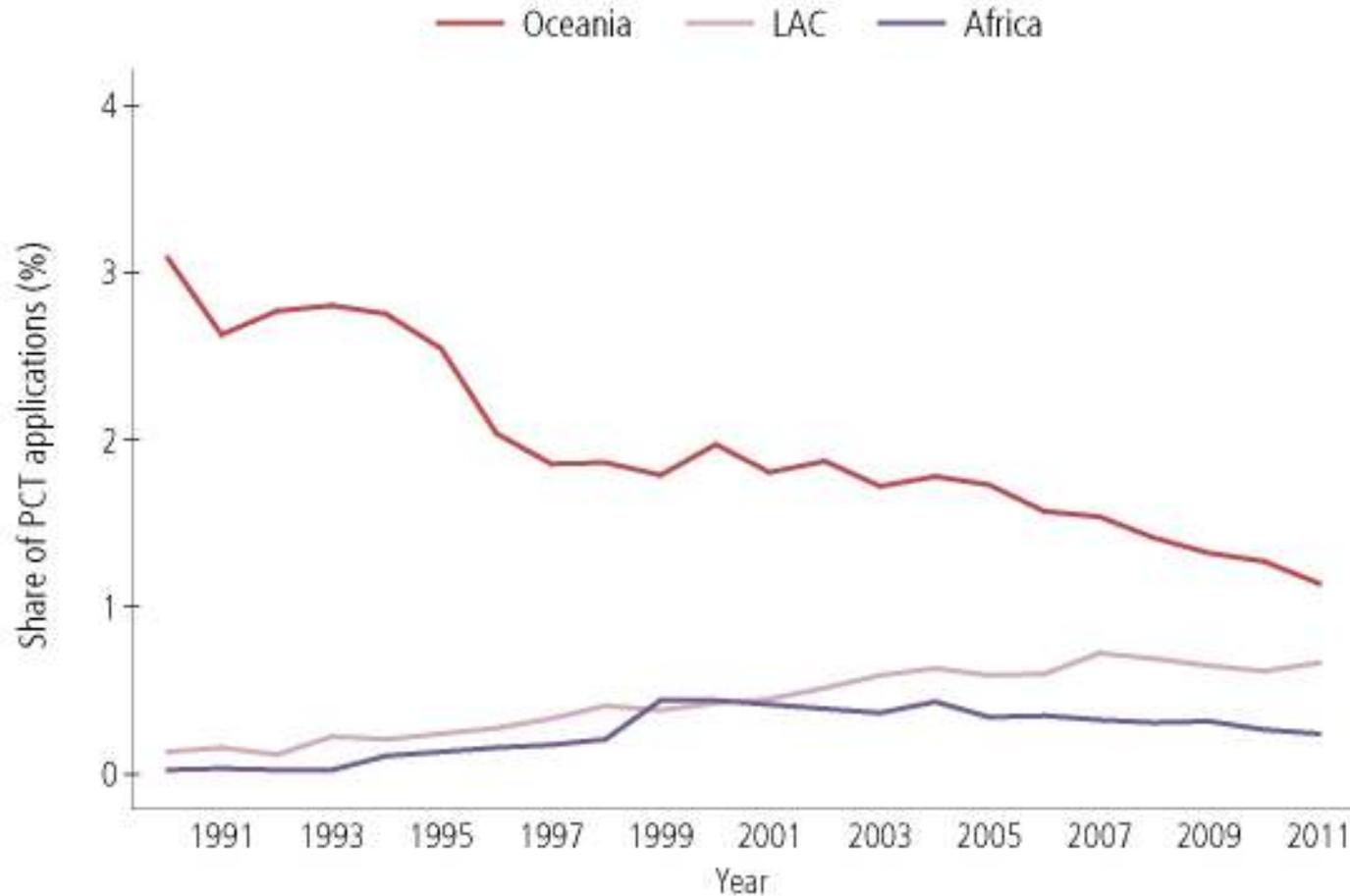
- United States of America: 26.9%
- Germany: 10.3%
- Republic of Korea: 5.7%
- United Kingdom: 2.7%
- Netherlands: 1.9%
- Others: 14.0%
- Japan: 21.3%
- China: 9.0%
- France: 4.1%
- Switzerland: 2.2%
- Sweden: 1.9%

PCT Applications filed by Region of Origin for Asia, Europe and North America



Asia became biggest PCT filing region in 2010 and now accounts for 38.8% of all PCT applications (about 8% higher than Europe)

PCT Applications filed by Region of Origin of Applicant for Africa, Latin America and the Caribbean and Oceania



Main Fields of Technology for PCT Published Applications and Changes from 2010 to 2011

Main Fields of Technology for PCT Applications by Percentage of Total:

<input type="checkbox"/> Digital Communication Technology	11,574 applications (7.1%)
<input type="checkbox"/> Electrical Machinery	11,296 applications (6.9%)
<input type="checkbox"/> Medical Technology	10,753 applications (6.6%)
<input type="checkbox"/> Computer Technology	10,455 applications (6.4%)

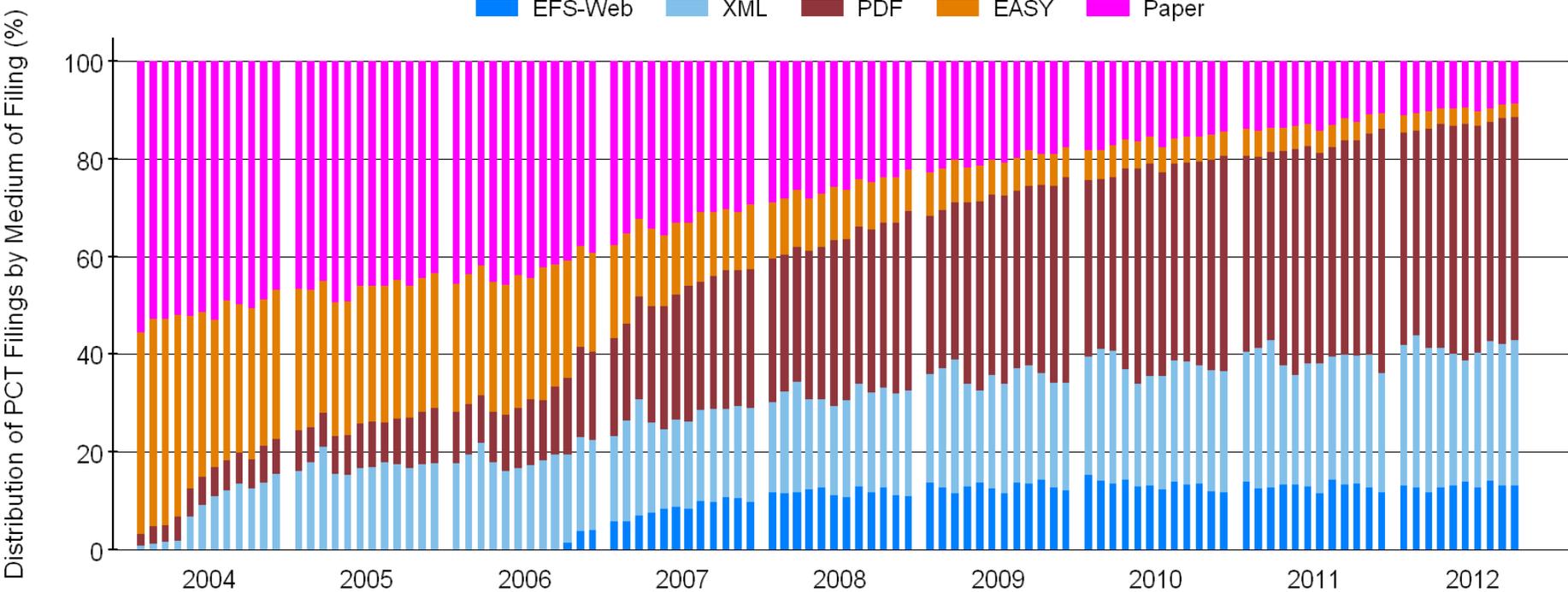
■ Largest increases:

<input type="checkbox"/> Electrical machinery:	+23.2%
<input type="checkbox"/> Engines, pumps, turbines:	+16.9%
<input type="checkbox"/> Environmental technology:	+14.1%
<input type="checkbox"/> Transport:	+13.9%

■ Decreases in 4 out of 35 fields:

<input type="checkbox"/> Basic communication processes:	-5.9%
<input type="checkbox"/> Organic fine chemistry:	-4.1%
<input type="checkbox"/> Pharmaceuticals:	-1.9%
<input type="checkbox"/> Analysis of biological materials:	-0.3%

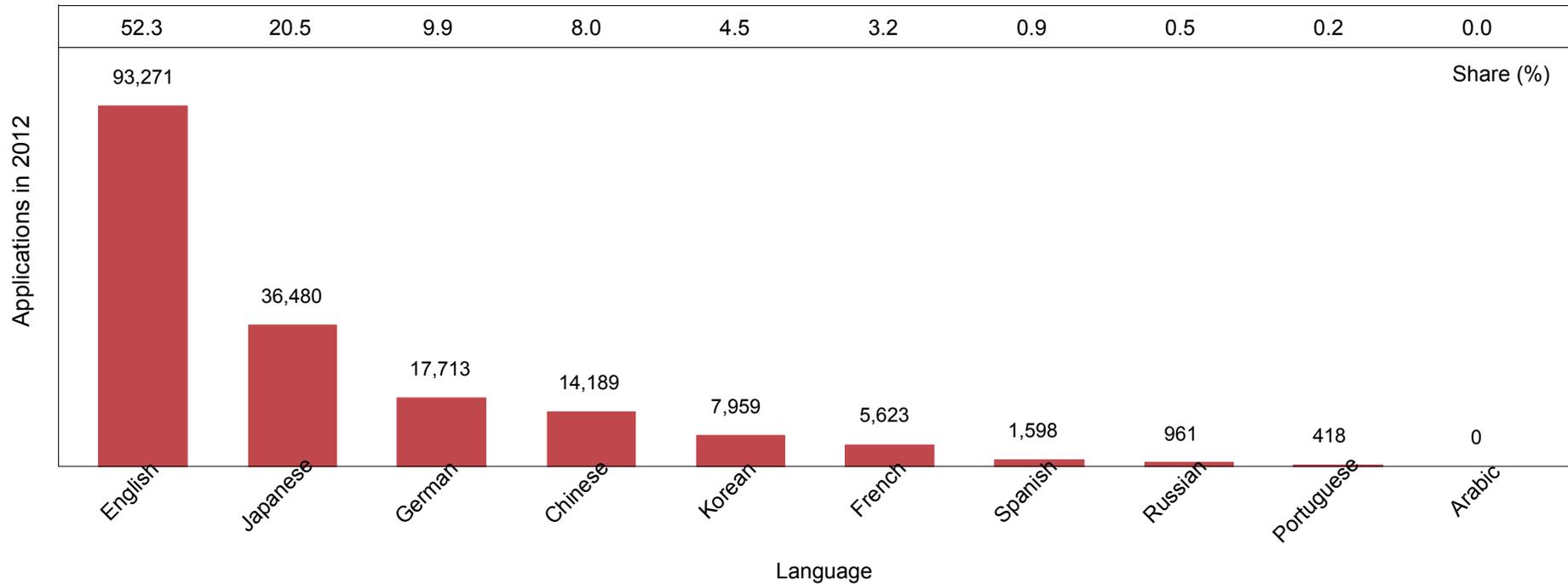
PCT – Method of Filing (1)



PCT - Method of Filing (2)

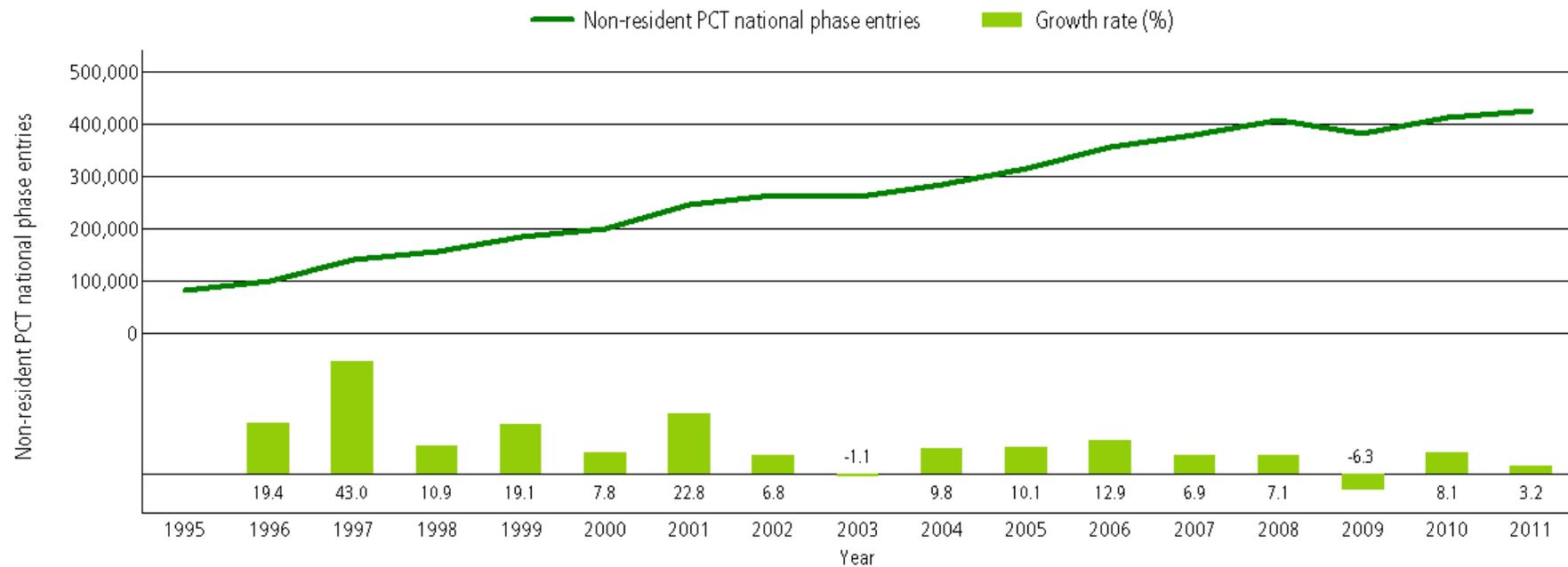
Share of PCT filings by Medium of Filing (%)					
	Paper	EASY	PDF	XML	EFS-Web
2008	25.7	10.3	32.2	20.1	11.8
2009	20.1	7.3	37.0	22.8	12.8
2010	16.1	5.5	40.8	24.3	13.2
2011	12.8	4.5	43.7	26.1	12.9
2012 (to date)	9.8	3.2	45.6	28.4	13.0

Distribution of Application Languages for 2012



Figures are estimates from PCT filings to date

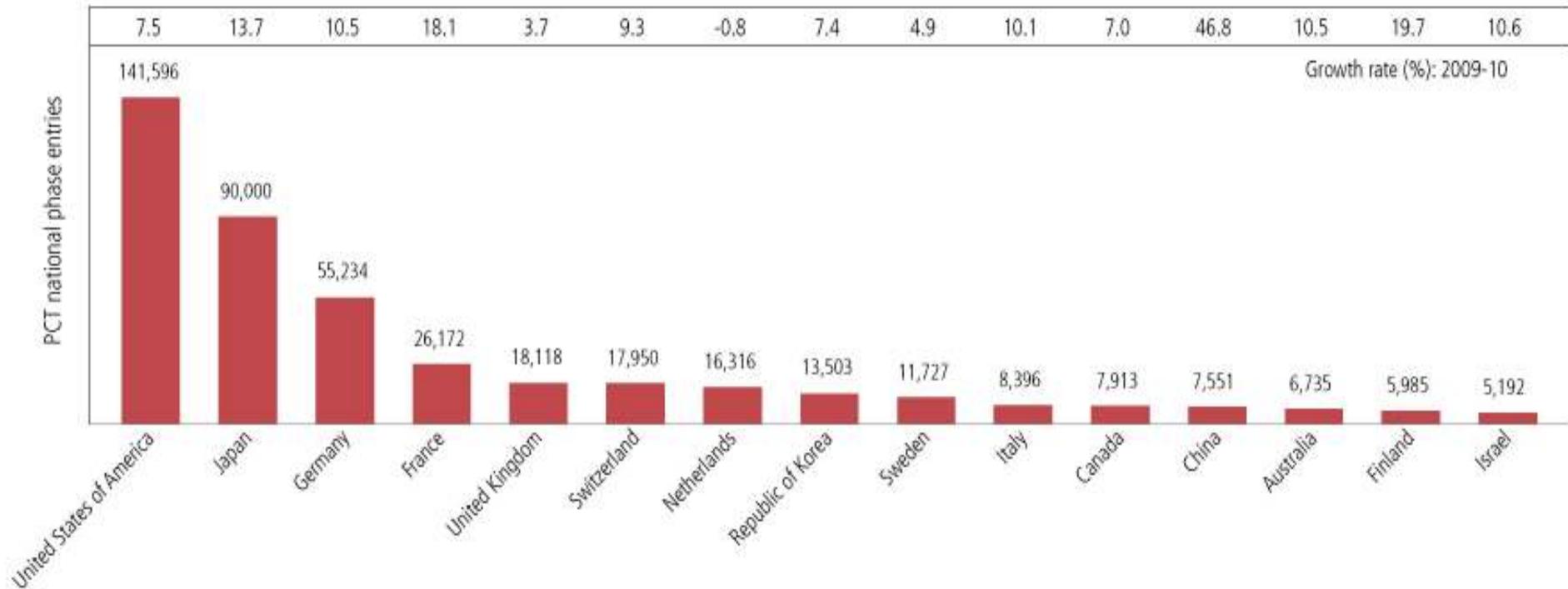
2) PCT – National Phase Entries



Note: WIPO estimates
 Source: WIPO Statistics Database, October 2012

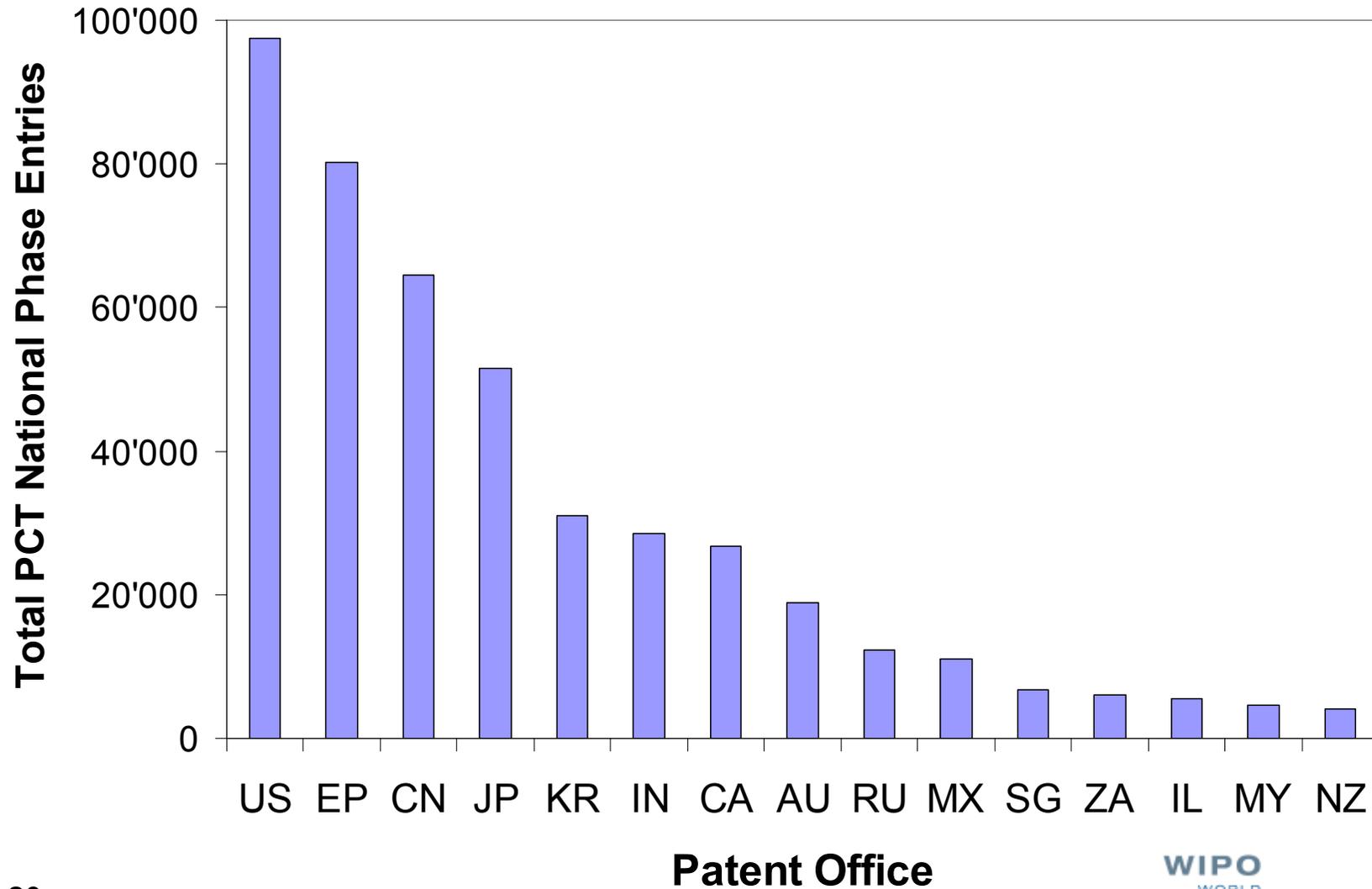
424,800 non-resident national phase entries for 2011 (3.2% growth on 2010)
 500,400 total national phase entries (resident plus non-resident) for 2011

PCT National Phase Entries for Top 15 Countries of Origin 2010



All top 15 origins except the Netherlands saw growth in National Phase Entries. Highest growth in National Phase Entries from China (+ 46.8%).

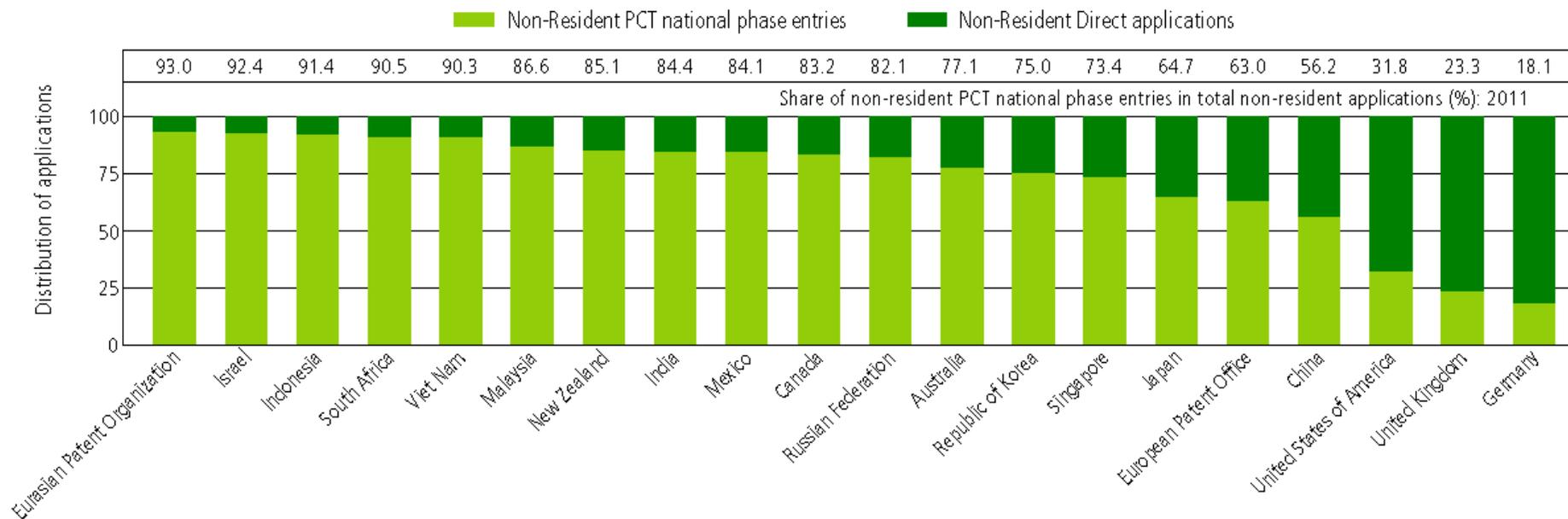
PCT National Phase Entries before Top 15 Designated Offices 2011



National Phase Entries by Top Patent Office and Country of Origin in 2011

Origin	Office														
	US	EP	CN	JP	KR	IN	CA	AU	RU	MX	SG	ZA	IL	MY	NZ
Australia	1,731	704	507	347	158	329	430	996	67	108	134	57	67	108	335
Austria	856	726	479	210	172	239	201	175	162	56	29	195	12	19	16
Belgium	1,165	704	481	361	256	316	298	249	139	155	75	108	3	58	66
Canada	1,642	1,206	801	562	403	516	1,506	422	185	229	88	117	55	47	92
China	3,455	2,008	2,289	954	585	915	307	342	369	184	147	120	61	109	40
Denmark	1,182	874	600	314	171	384	303	236	136	149	66	88	31	42	76
Finland	925	1,156	766	234	320	374	251	156	195	58	32	101	18	22	11
France	6,017	5,189	3,058	2,761	1,512	1,429	1,528	695	906	496	327	357	162	281	165
Germany	12,766	11,621	7,483	4,982	3,055	3,372	2,284	1,432	1,960	1,106	515	723	22	462	328
India	801	373	202	154	104	216	136	149	52	76	51	103	33	58	54
Israel	1,525	802	428	283	190	308	254	173	87	79	56	54	418	1	31
Italy	2,232	1,774	961	524	296	538	386	247	325	215	59	90	15	47	56
Japan	25,938	12,052	16,591	15,897	8,992	3,727	1,565	1,255	1,471	649	865	291	214	766	186
Netherlands	2,688	2,927	2,307	1,883	946	1,472	630	545	937	409	117	155	48	156	101
Republic of Korea	4,304	2,082	2,850	1,972	363	621	313	290	266	162	71	37	32	151	31
Spain	760	682	337	198	112	178	200	148	127	164	34	57	19	23	41
Sweden	2,470	2,489	1,434	1,076	492	828	458	399	329	186	114	154	51	99	112
Switzerland	1,899	2,622	1,786	1,524	931	1,359	1,233	920	696	743	444	419	12	288	212
United Kingdom	5,303	3,146	1,694	1,336	707	1,084	1,192	1,048	369	368	279	506	211	263	274
United States of America	16,120	23,903	17,324	14,627	10,526	9,120	12,129	7,950	3,040	4,883	2,651	1,905	2,345	1,375	1,550
Others / Unknown	3,782	3,235	2,108	1,320	748	1,131	1,155	1,020	469	525	572	503	1,696	312	268
Total	97,561	80,275	64,486	51,519	31,039	28,456	26,759	18,847	12,287	11,000	6,726	6,140	5,525	4,687	4,045

Share of PCT national phase entries in total non-resident filings by selected Patent Office for 2011



Overall share of PCT National Phase Entries for non-resident applications around 54% in 2011.

3) International Authorities

- International Search Reports

- Distribution by International Authority

- Timeliness of Transmission to International Bureau

- Supplementary International Search Reports

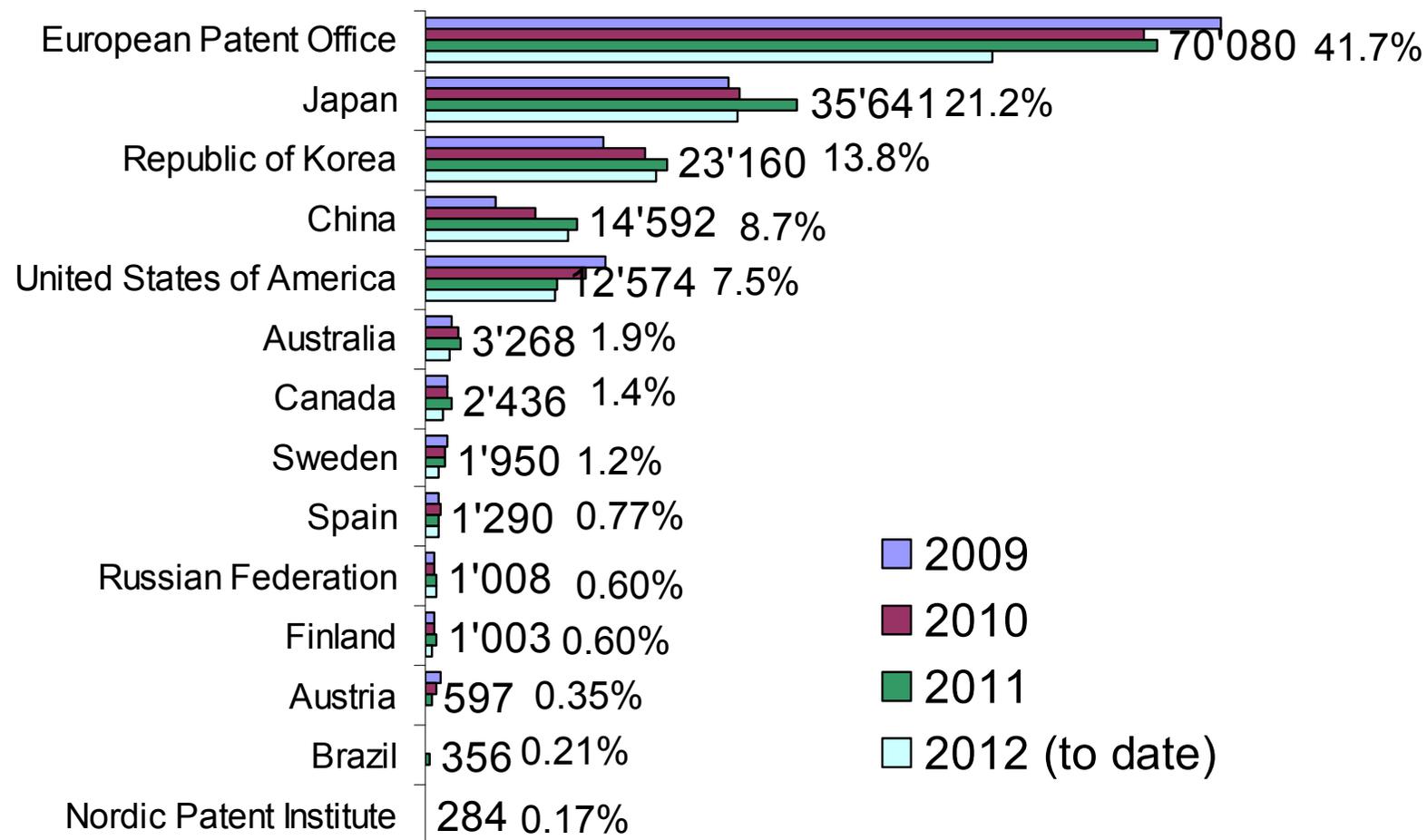
- International Preliminary Examination Reports

- Demand

- Distribution by International Authority

- Timeliness of Transmission to International Bureau

Distribution of ISRs established by ISA

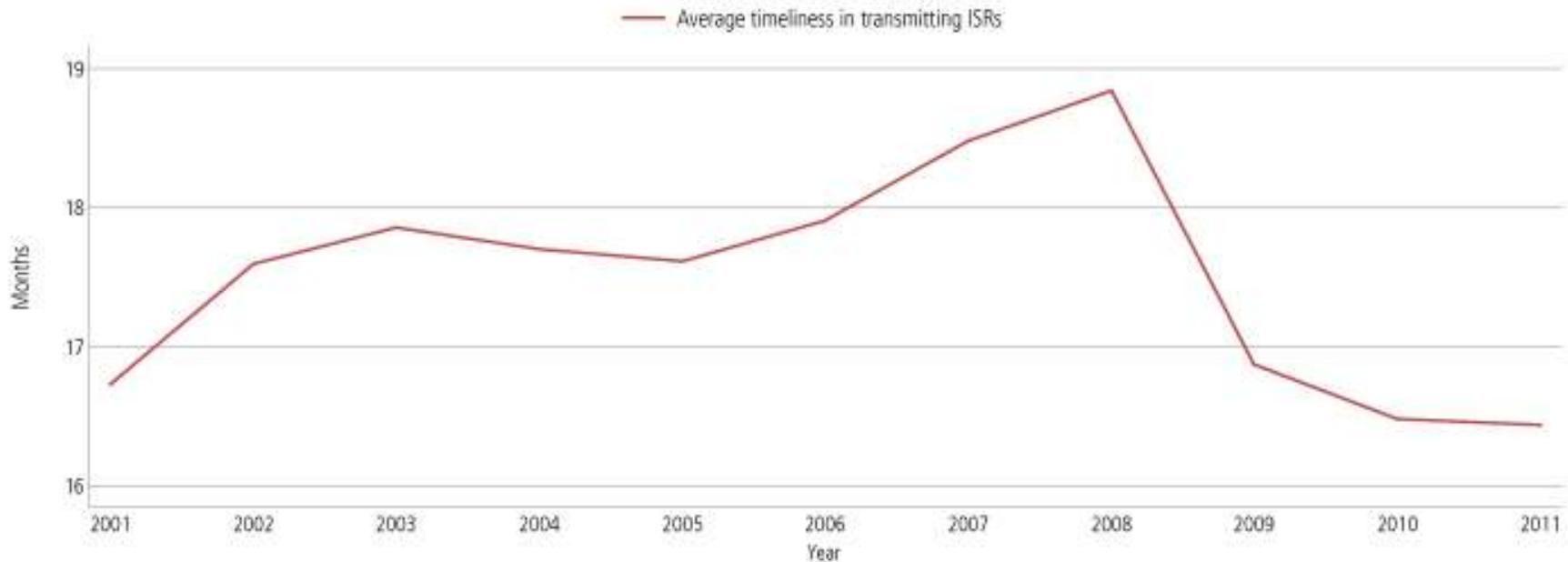


Data based on transmittal date of the ISR to the International Bureau

Numbers and percentage share of ISRs for 2011 shown as numbers

2012 includes numbers from January to September

Average Timeliness in Transmitting ISRs to the IB



Note: Timeliness is calculated as the time elapsed between the priority date and the date on which the ISA transmits the ISR to the International Bureau.

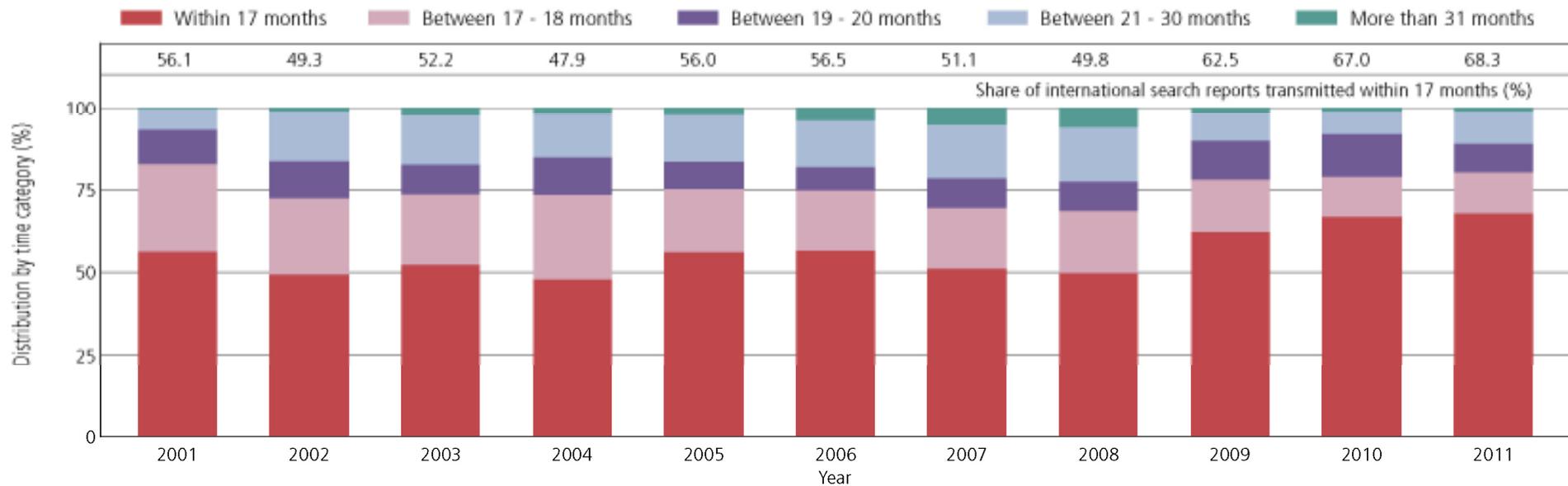
Source: WIPO Statistics Database, March 2012

Average Time in Transmitting ISRs to the IB was 16.4 months in 2011, the shortest over the past decade. 68.3% of ISRs were received within 17 months in 2011 [67.0% in 2010].

From Jan - Sept 2012, 69.0% of ISRS were received within 17 months.

Timeliness soon to be measured according to Rule 42.

Timeliness in Transmitting ISRs



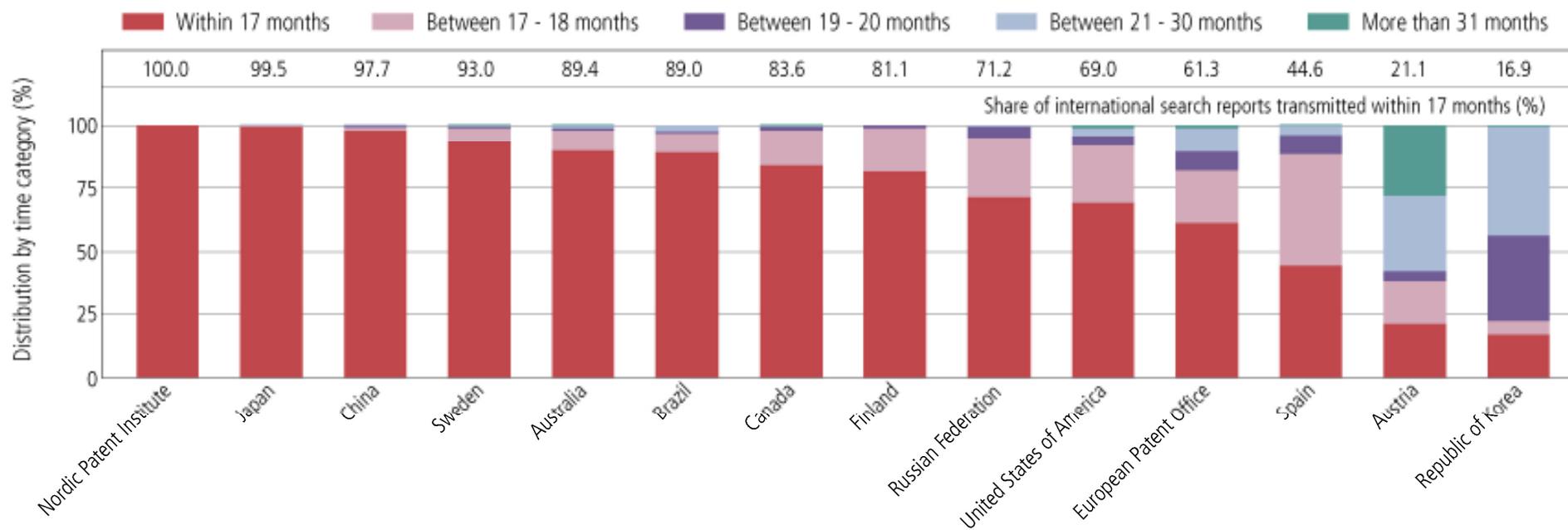
Timeliness calculated as time elapsed between priority date and date ISA transmits ISR to the International Bureau (soon to be measured according to Rule 42)

From Jan to Sept 2012 (2011 in brackets): <17 months 69% (68.3%), 17-18 months 12.8% (12.2%), 19-20 months 11.2% (8.4%), 21-30 months 6.2% (10.3%), >31 months 0.7% (0.8%)

Timeliness in Transmitting ISRs by ISA in 2011

Share transmitted within 17 months for Jan – Sept 2012 (for comparison)

97.7 99.6 97.2 85.7 88.7 90.8 86.2 74.4 74.9 58.9 64.4 62.1 25.2 22.2

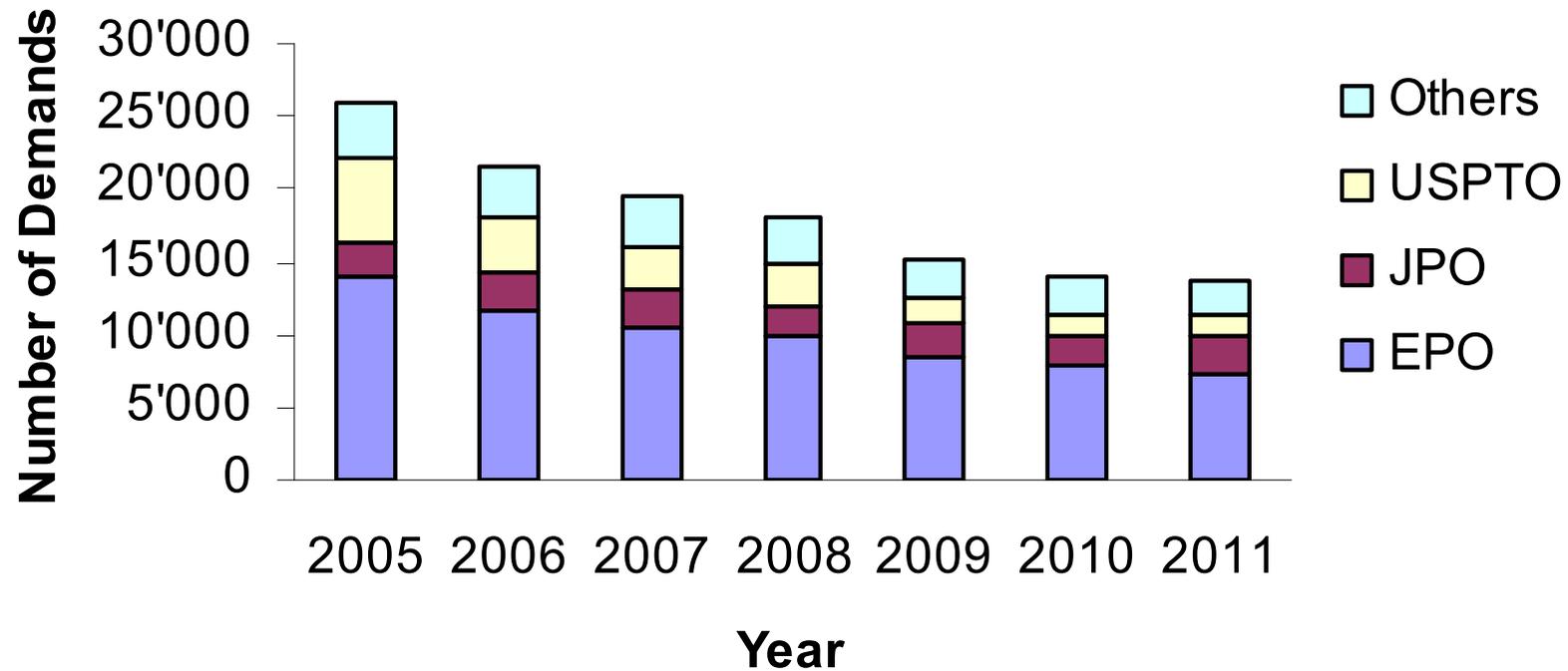


Timeliness calculated as time elapsed between priority date and date ISA transmits ISR to the International Bureau (soon to be measured according to Rule 42)

Distribution of SISRs by SISA

Supplementary International Searching Authority				
Year	2009	2010	2011	2012 to end Sept
Total	24	41	41	41
Austria			1	2
European Patent Office		3	7	18
Finland				1
Nordic Patent Institute		1		2
Russian Federation	22	35	31	18
Sweden	2	2	2	

International Preliminary Examination Demands (1)



Demand for International Preliminary Examination fell by 47.0% from 2005 to 2011.

International Preliminary Examination Demands (2)

IPEA_Name	2005	2006	2007	2008	2009	2010	2011	2012	2012
Year / Quarter	-	-	-	-	-	-	-	to date	to date
Total	25'861	21'661	19'501	18'126	15'258	13'897	13'703	10'652	(%)
Australia	1'035	970	872	865	789	745	781	590	5.5
Austria	160	114	100	103	68	36	16	6	0.1
Brazil						7	38	29	0.3
Canada	327	431	413	480	290	272	266	165	1.5
China	436	364	384	416	303	362	420	340	3.2
European Patent Office	13'878	11'605	10'586	9'862	8'592	7'917	7'385	5'823	54.7
Finland	4	125	151	154	144	123	125	86	0.8
Japan	2'526	2'580	2'555	2'122	2'152	2'121	2'447	2'060	19.3
Nordic Patent Institute					26	40	40	29	0.3
Republic of Korea	652	598	511	358	340	271	221	223	2.1
Russian Federation	138	114	121	97	66	76	83	79	0.7
Spain	127	111	126	107	142	123	120	64	0.6
Sweden	986	686	666	620	468	353	343	260	2.4
United States of America	5'591	3'963	3'016	2'942	1'878	1'451	1'416	897	8.4

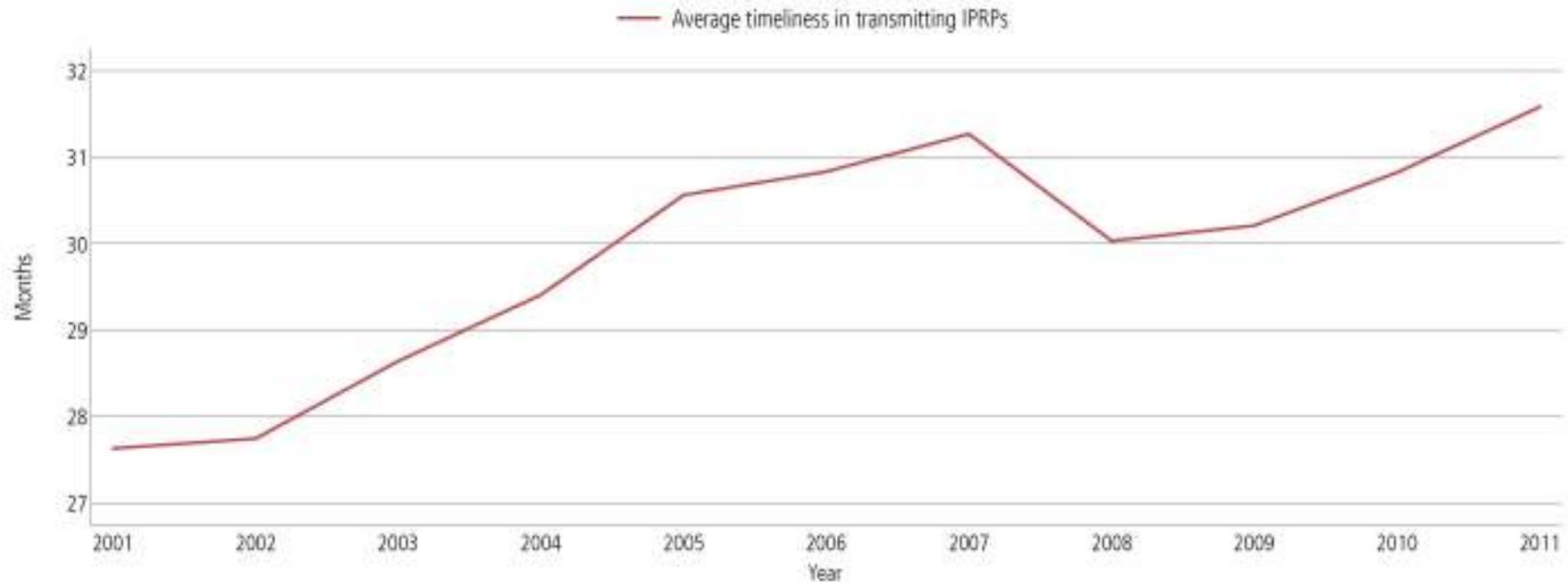
Distribution of IPRPs by IPEA

International Preliminary Examining Authority	Year					2011	Share (%)	Change compared to 2010 (%)
	2007	2008	2009	2010	2011			
Australia	1,016	826	725	852	704	4.7	-17.4	
Austria	131	100	113	61	26	0.2	-57.4	
Brazil					15	0.0		
Canada	462	419	427	258	183	1.2	-29.1	
China	363	396	425	394	340	2.2	-13.7	
European Patent Office	11,244	10,855	9,587	8,266	7,194	47.6	-13.0	
Finland	138	184	132	139	122	0.8	-12.2	
Japan	2,720	2,376	2,175	1,905	2,203	14.6	15.6	
Nordic Patent Institute			11	34	40	0.3	17.6	
Republic of Korea	598	476	368	308	247	1.6	-19.8	
Russian Federation	105	90	109	62	65	0.4	4.8	
Spain	126	117	135	109	148	1.0	35.8	
Sweden	714	724	523	409	357	2.4	-12.7	
United States of America	5,195	2,183	2,150	2,881	3,479	23.0	20.8	
Total	22,812	18,746	16,880	15,678	15,123	100	-3.5	

Source: WIPO Statistics Database, March 2012

The EPO carried out 47.6% of IPRPs, followed by the USPTO (23.0%) and the JPO (14.6%).

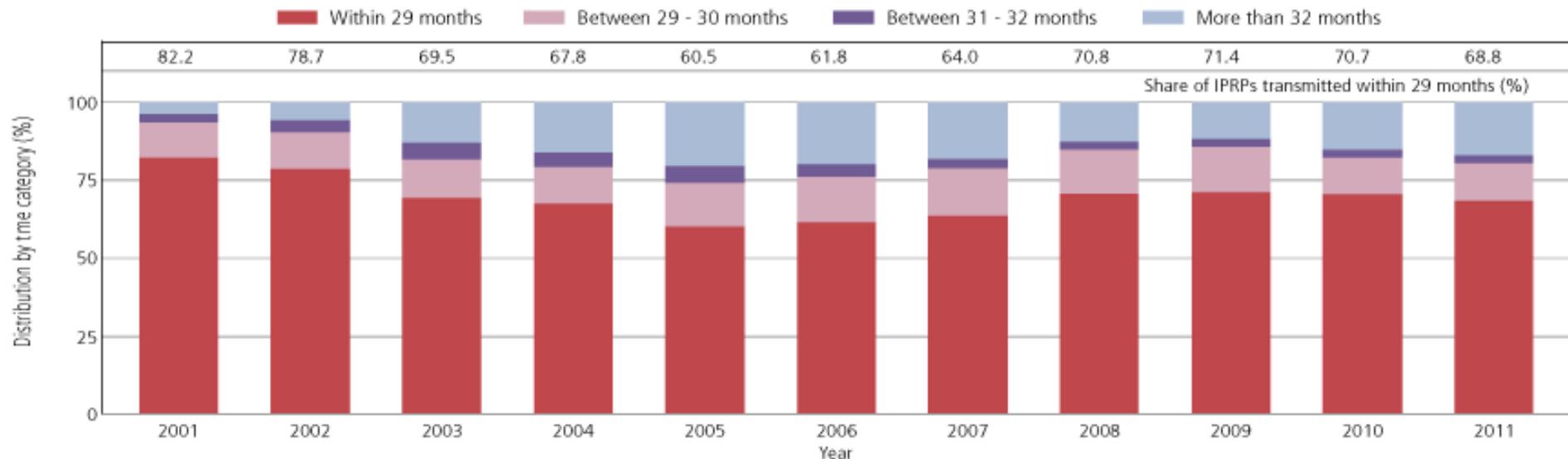
Average Timeliness in Transmitting IPRPs



Note: Timeliness is calculated as the time elapsed between the priority date and the date on which the International Bureau received the IPRP from the IPEA.
Source: WIPO Statistics Database, March 2012

Average time taken to transmit IPRPs increased from 27.6 months in 2001 to 31.6 months in 2011 with 68.8% of IPRPs transmitted within 29 months for 2011. (67.0% from Jan to Sept 2012).

Timeliness in Transmitting IPRPs



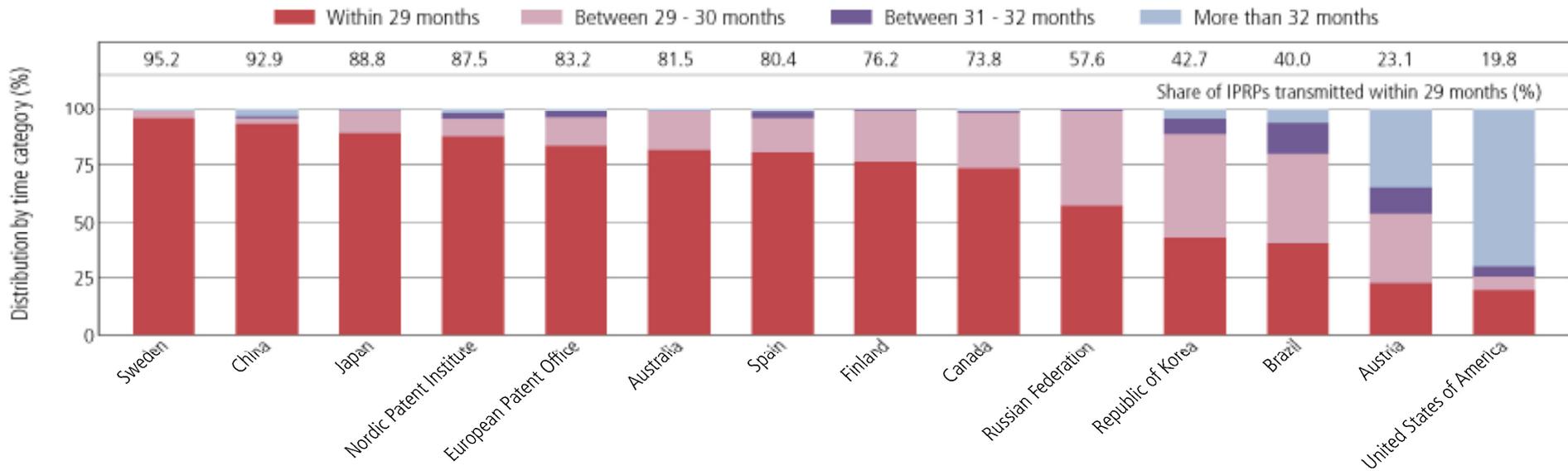
Timeliness calculated as time elapsed between priority date and date on which International Bureau receives IPRP form the IPEA.

From Jan to Sept 2012 (2011 in brackets): <29 months 67.0% (68.8%), 29-30 months 15.5% (11.5%), 31-32 months 3.6% (2.5%), >32 months 13.9% (17.2%)

Timeliness in Transmitting IPRPs by IPEA in 2011

Share transmitted within 29 months for Jan – Sept 2012 (for comparison)

90.3 85.1 91.2 83.3 73.7 70.4 96.4 73.4 41.6 63.3 37.1 65.6 30.1 22.9



Timeliness calculated as time elapsed between priority date and date on which International Bureau receives IPRP form the IPEA.

4) PCT-Patent Prosecution Highway

Office of Filing

ISA/IEA	Office of Filing																		Total
	JP	US	KR	CA	AU	DK	EP	FI	RU	AT	ES	MX	PT	SE	NO	CN	IS	PH	
JP	1184	754	-	-	-	0	283	0	-	-	1	2	0	5	0	62	0	1	2292
US	19	198	15	-	7	0	25	0	6	0	0	-	-	0	0	4	0	-	274
KR	-	1469	41	-	-	-	-	-	-	-	-	-	-	-	-	84	-	-	1594
CA	-	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
AU	-	149	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	156
EP	428	1171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1599
FI	0	36	-	-	-	-	-	-	0	0	0	-	-	-	-	-	-	-	36
RU	-	11	-	-	-	0	-	0	-	-	0	-	-	-	-	-	-	-	11
AT	-	10	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	10
ES	2	6	-	-	-	-	-	0	0	-	-	0	0	-	-	-	-	-	8
SE	8	42	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	51
XN	3	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
CN	7	35	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
Total	1651	3915	57	48	14	0	308	0	6	0	1	2	0	6	0	150	0	1	6159

* As of the end of June 2012

35 6,159 PCT-PPH requests until end June 2012
17,383 standard PPH requests in same period

PCT-PPH Grant Rate and Pendency Time

	Office of Filing						
	 JP	 US	 KR	 CA	 AU	 RU	 MX
Grant Rate {%} Graph <i>click!</i>	94.9 (65)	89 (49) ^{*2}	92.9 (66.2)	95 (70)	100 (-)	n/a	0 (-)
First Action Allowance Rate {%} Graph <i>click!</i>	61.1 (13)	19 (14) ^{*2}	28.6 (10.5 ^{*1})	58 (7.3)	28.7 (-)	n/a	0 (-)
Average Pendency from PPH Request to First Office Action {months} Graph <i>click!</i>	2.2 (22)	4.8 (22.6)	3.0 (15.1)	2.5 (21.3)	0.8 (-)	2 (9)	0.93 ^{*4} (-)
Average Pendency from PPH Request to Final Decision {months} Graph <i>click!</i>	3.7 (31)	8.9 (33.5)	4.9 (22.1)	2.5 (38.8)	0.9 (-)	n/a	- (-)
Average Number of Office Actions Graph <i>click!</i>	0.46 (1.10)	1.6 ^{*2} (2.6) ^{*2}	- (-)	0.4 (1.6)	0.5 (-)	n/a	- (-)

Period: Jul 2011 -Jun 2012

(): All applications including PPH and non-PPH

*1 = (# of decisions to grant a patent as first office action) / (# of first office actions)

*2 The data has remained unchanged since the end of December 2011

*3 Data without considering ten PPH requests in period of formal examination or third party observations.

*4 Data without considering one PCT-PPH requests in period of formal examination or third party observations.

Further information:

2012 PCT Yearly Review
The International Patent System
WIPO Publication No:901E/2012

2012 World Intellectual Property Indicators
WIPO Publication No:941E/2012

Statistics on the PCT System
<http://www.wipo.int/ipstats/en/statistics/pct/>

Patent Prosecution Highway Portal Site
<http://www.jpo.go.jp/ppph-portal/index.htm>