



WIPO | PCT

The International
Patent System



PCT Statistics

PCT Working Group

Tenth Session

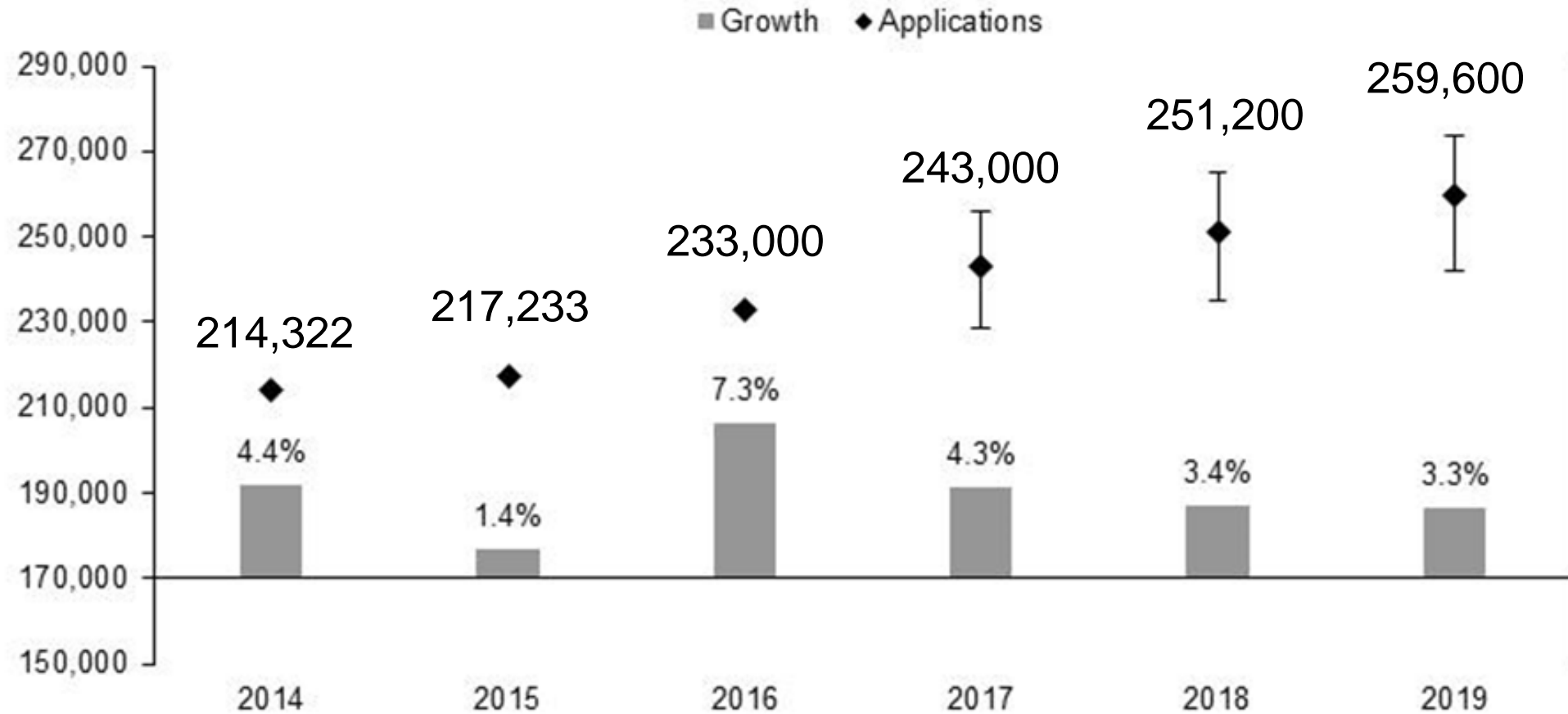
Geneva

May 8 to 12, 2017

Outline

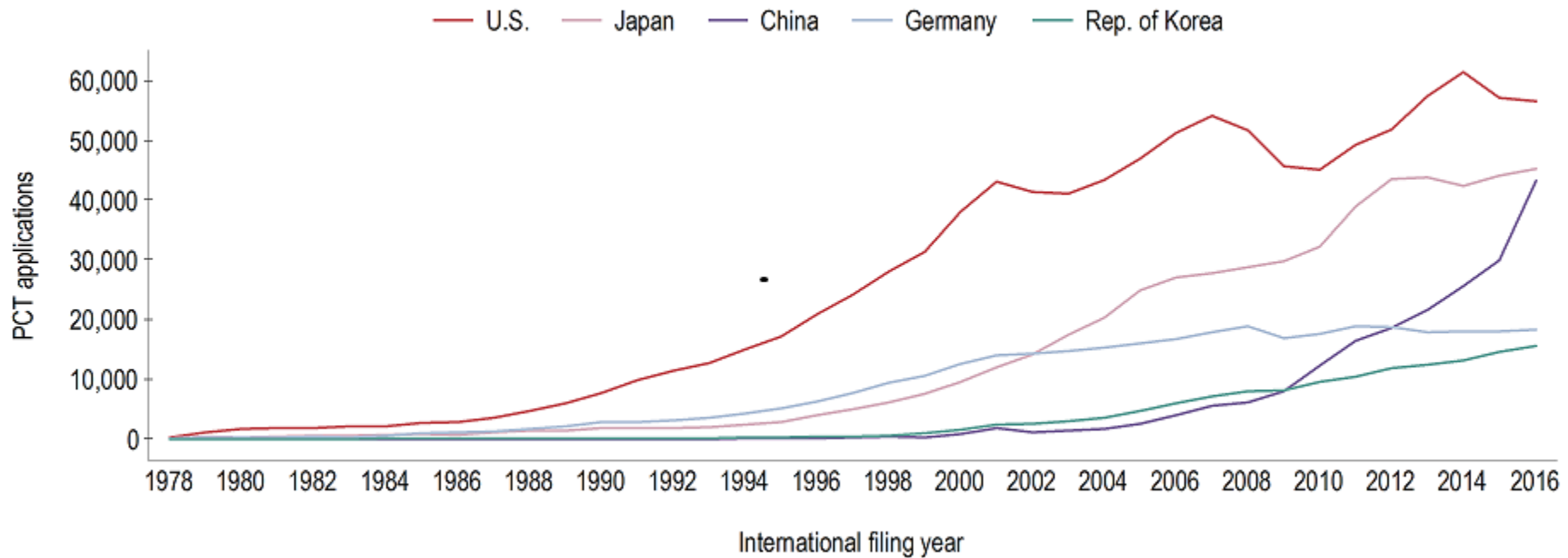
- PCT Application Filings
- PCT National Phase Entries
- Receiving Offices
- International Authorities

PCT Application Filings



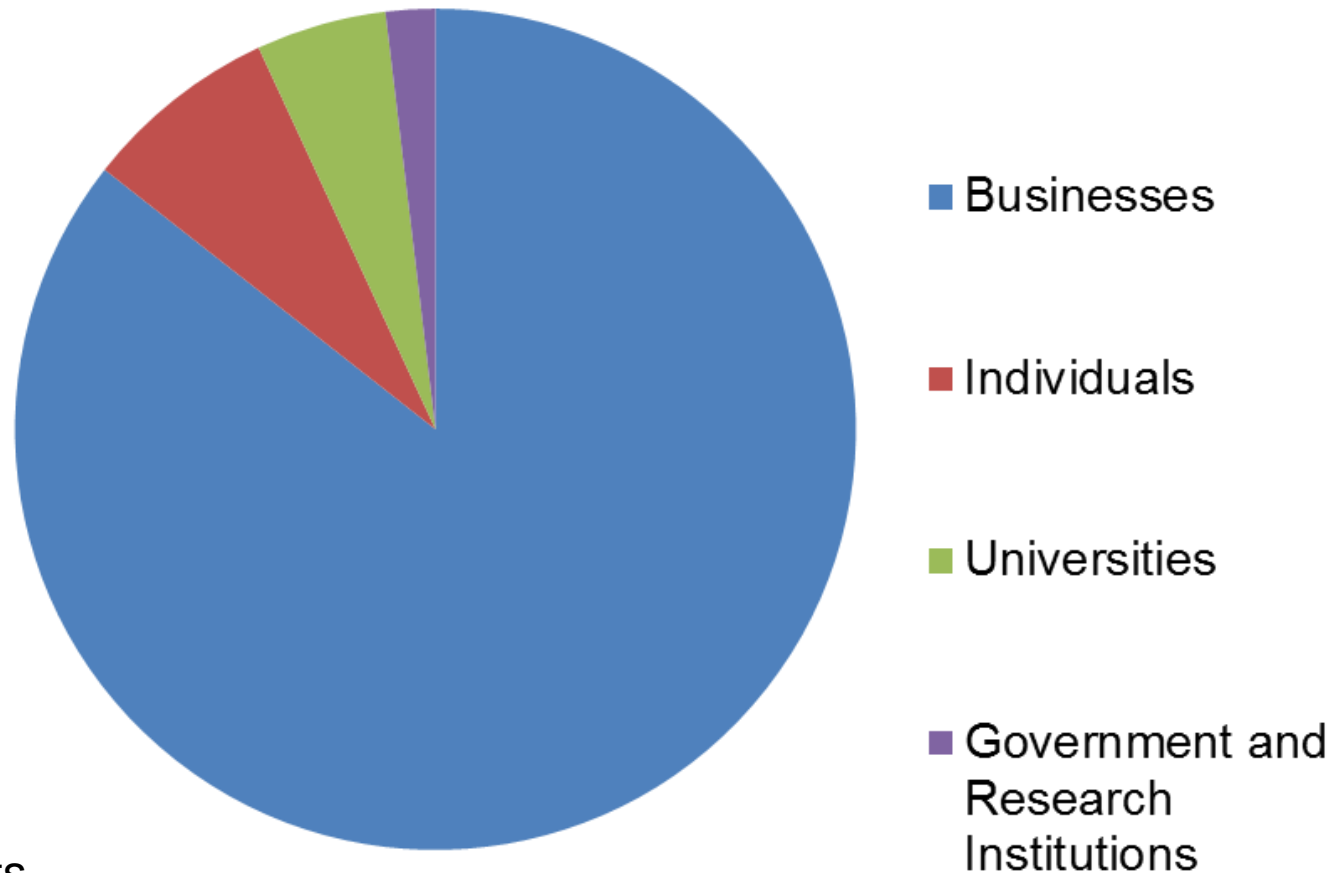
Source: Economics and Statistics Division, WIPO

Filing Trends for Top 5 Origins



Source: WIPO Statistics Database, April 2017

Distribution of PCT Applicants in 2016



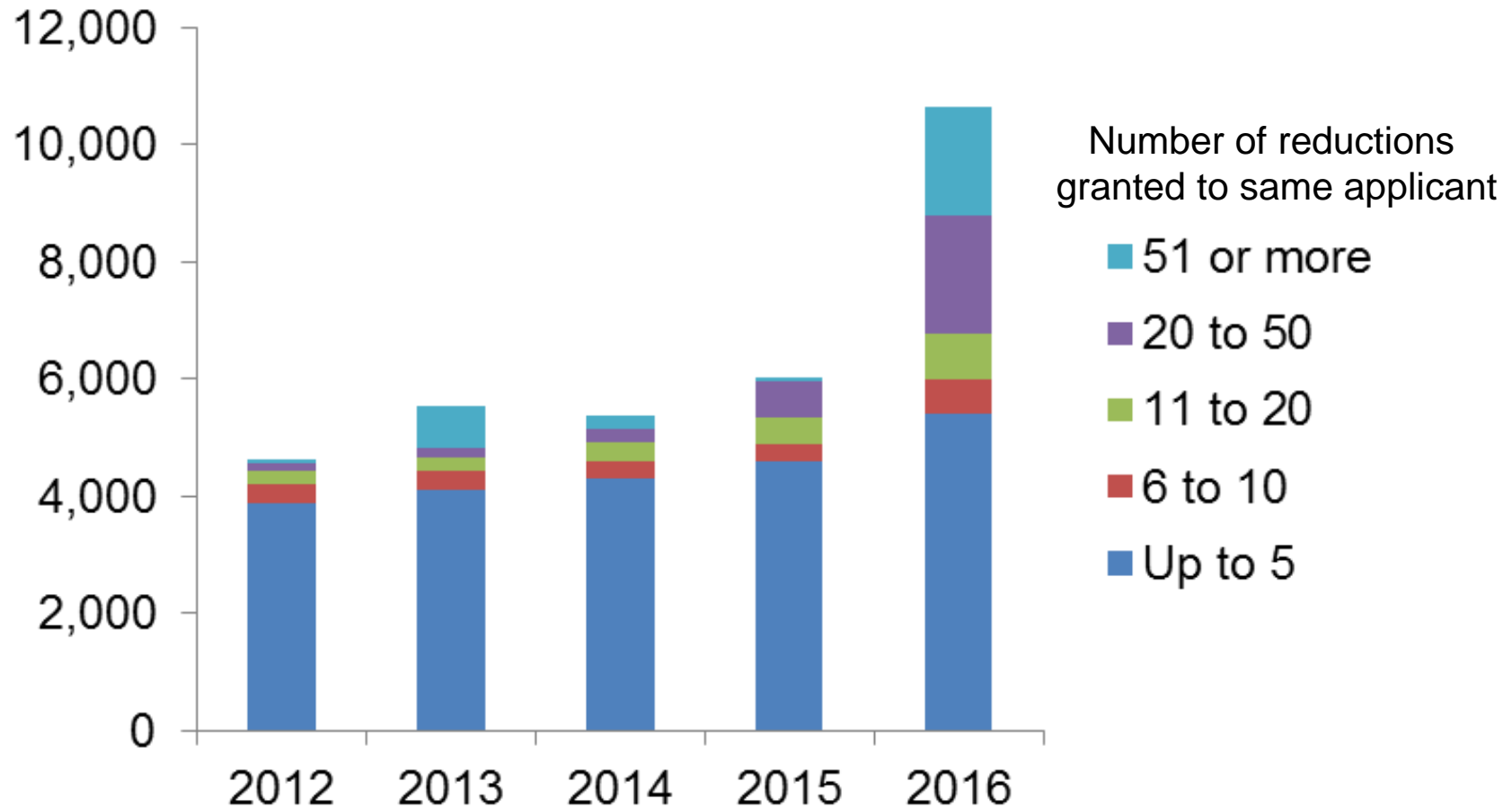
Top Applicants

Businesses: ZTE Corporation – 4,123 applications published

Universities: University of California – 434 applications published

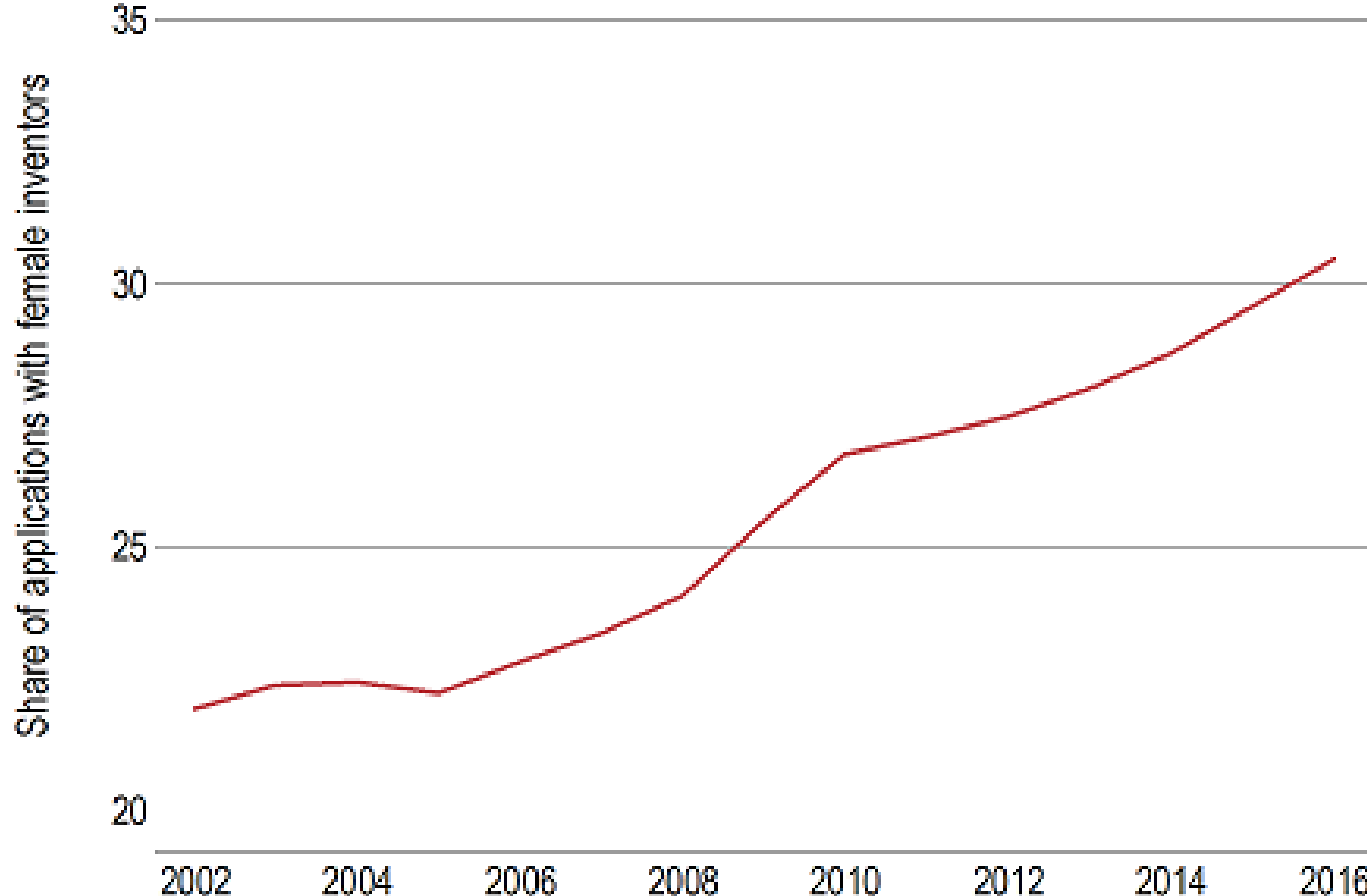
Government and Research Institutions: Commissariat à l'Énergie Atomique et aux Énergies Alternatives – 329 applications published

Applications Claiming Eligibility for 90% Fee Reduction



- Number of applications claiming eligibility for 90% fee reduction rose from 6,041 to 10,631 (+76%) between 2015 and 2016

PCT Applications by Gender



Source: WIPO Statistics Database, April 2017

- Around 30.5% (+0.9%) of PCT applications in 2016 included female inventors. In academia, women are among the inventors in more than half of applications.

Main Fields of Technology in 2016

■ Main Fields of Technology by Percentage of Total

| | |
|-------------------------|----------------------------|
| ■ Digital Communication | 17,776 applications (8.5%) |
| ■ Computer Technology | 17,115 applications (8.2%) |
| ■ Electrical Machinery | 14,468 applications (6.9%) |

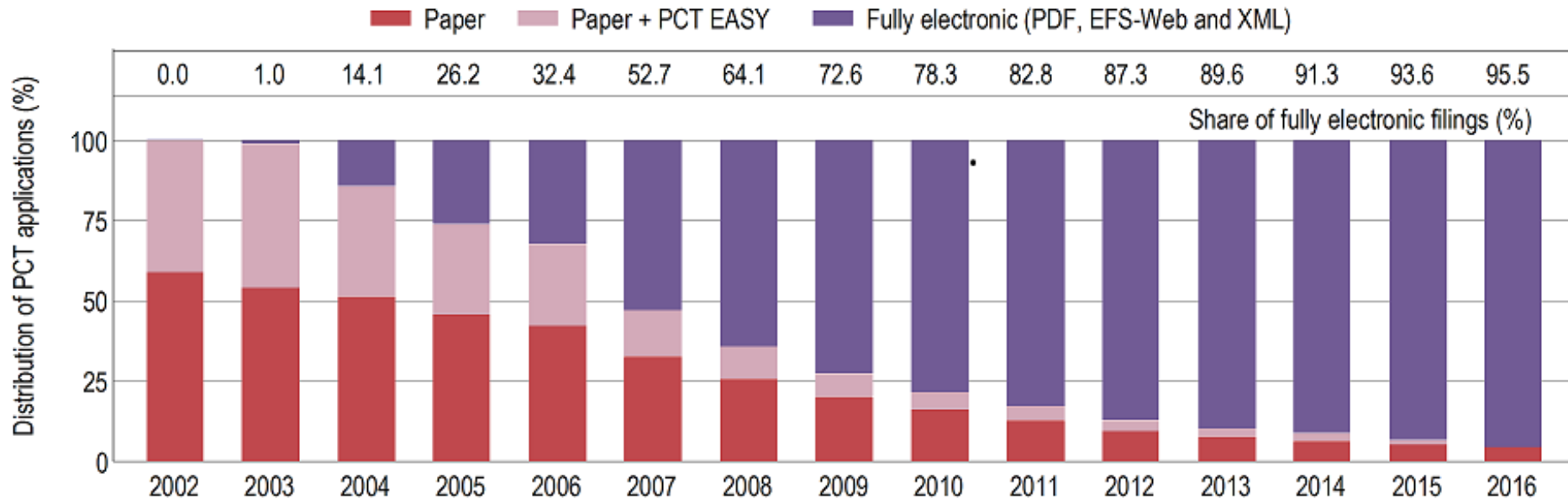
■ Largest increases:

- Control: 21.5%
- Medical Technology: +12.8%
- Optics: +12.7%
- Digital Communication: +10.7%

■ Largest decreases:

- Engines, pumps, turbines: -9.6%
- Mechanical elements: -2.9%
- Civil engineering: -1.7%
- Electrical machinery: -1.3%

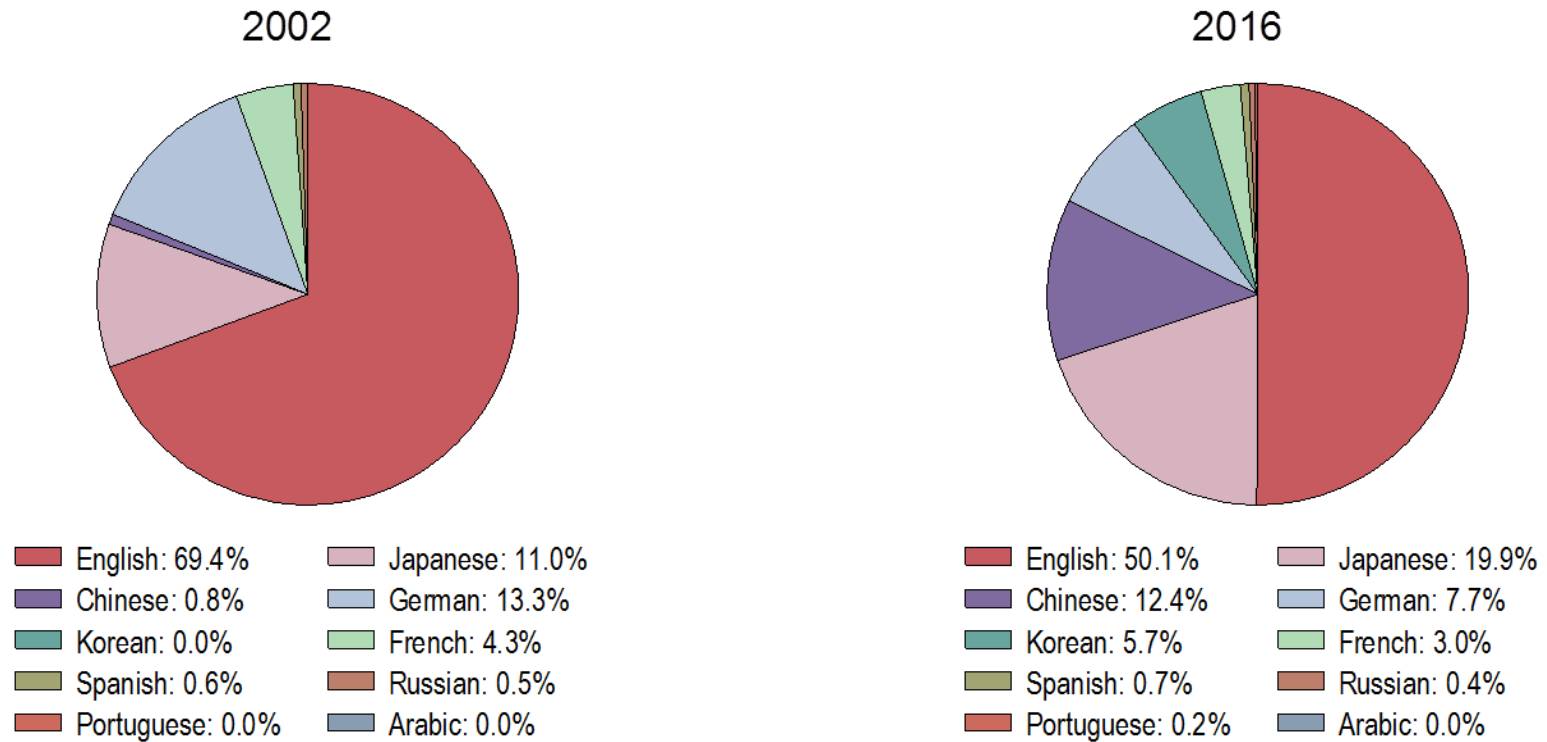
PCT Applications by Medium of Filing



Source: WIPO Statistics Database, April 2017

- Distribution in 2016: 4.5% paper, 95.5% fully electronic (PDF 66.2%, XML 29.3%)

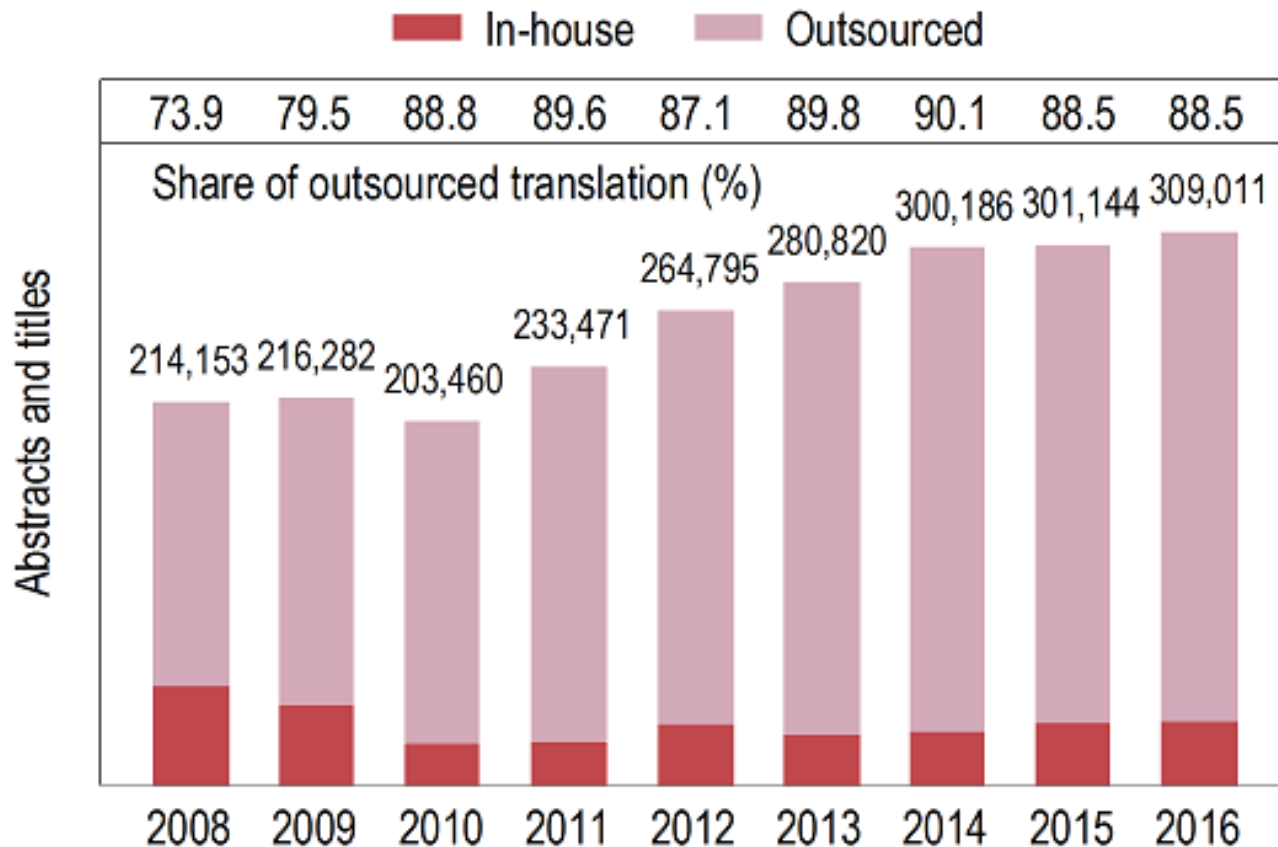
PCT Applications by Publication Language



Source: WIPO Statistics Database, April 2017

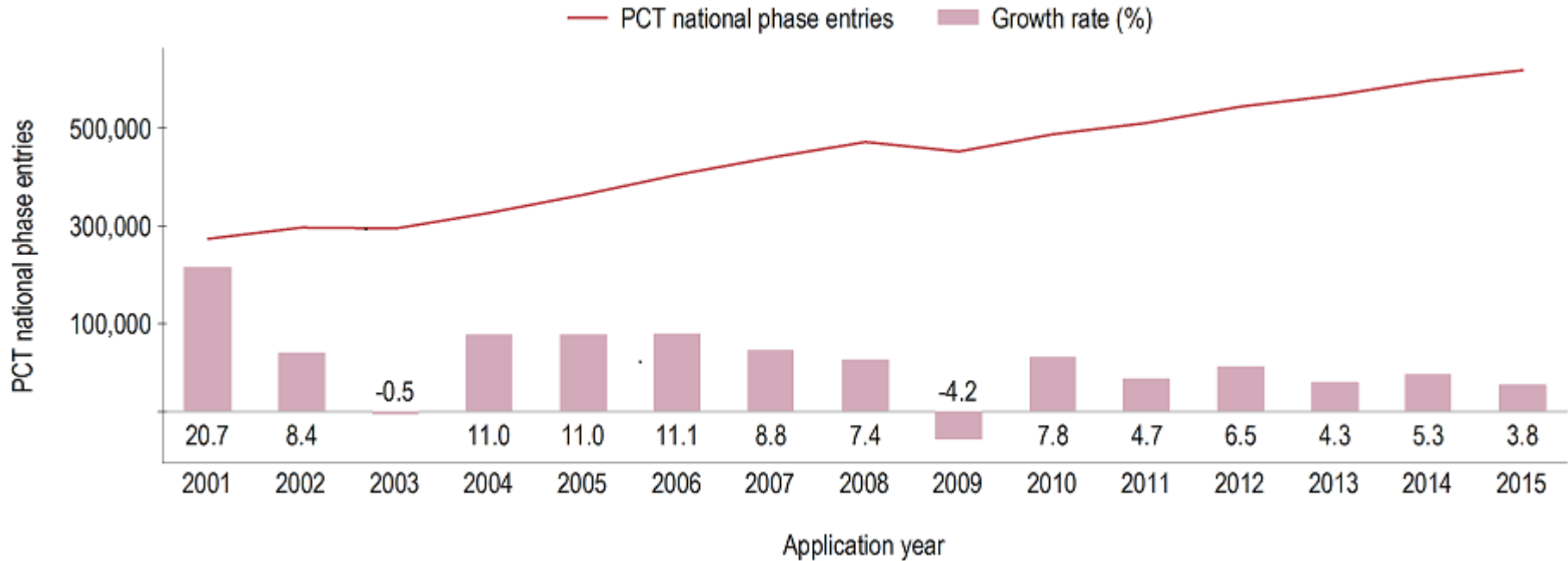
Half of all PCT applications were published in English, one fifth were published in Japanese

Translations of Abstracts and Titles



- 309,011 abstracts and titles were translated – 88.5% outsourced
- 97,721 search and preliminary examination reports were translated – 97.4% outsourced

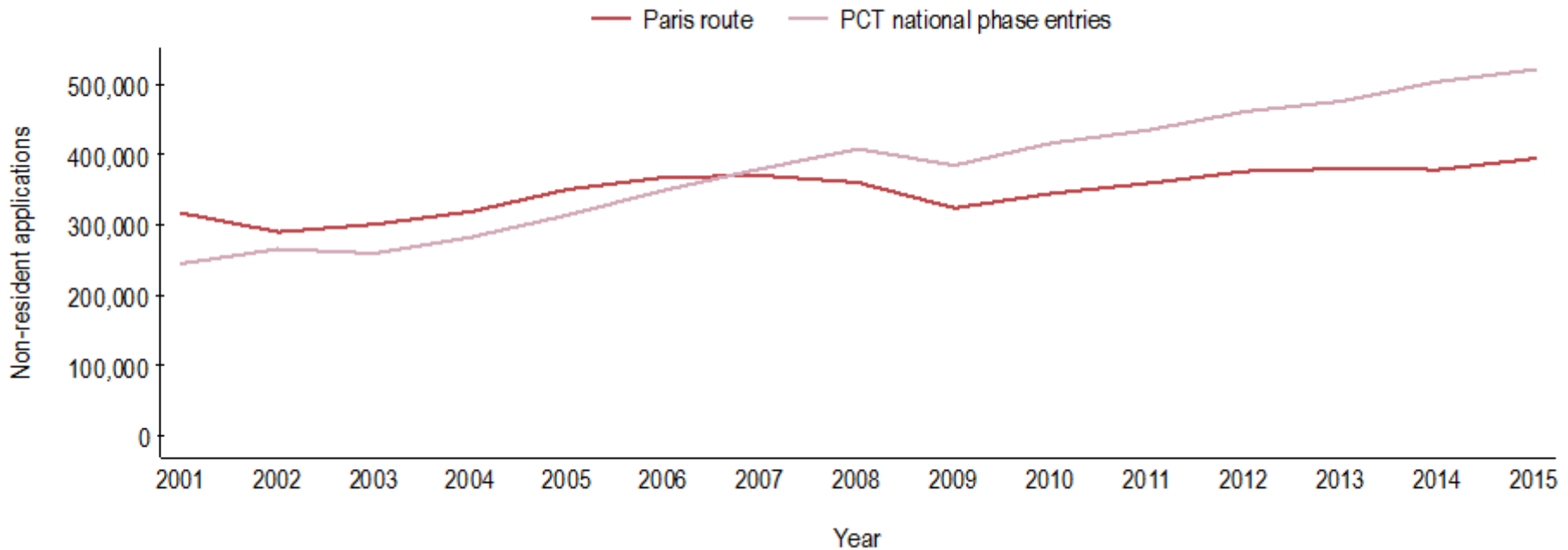
PCT- National Phase Entries



Source: WIPO Statistics Database, April 2017

- 618,500 national phase entries estimated for 2015 (+3.8%). About 84% of the total are non-resident national phase entries.

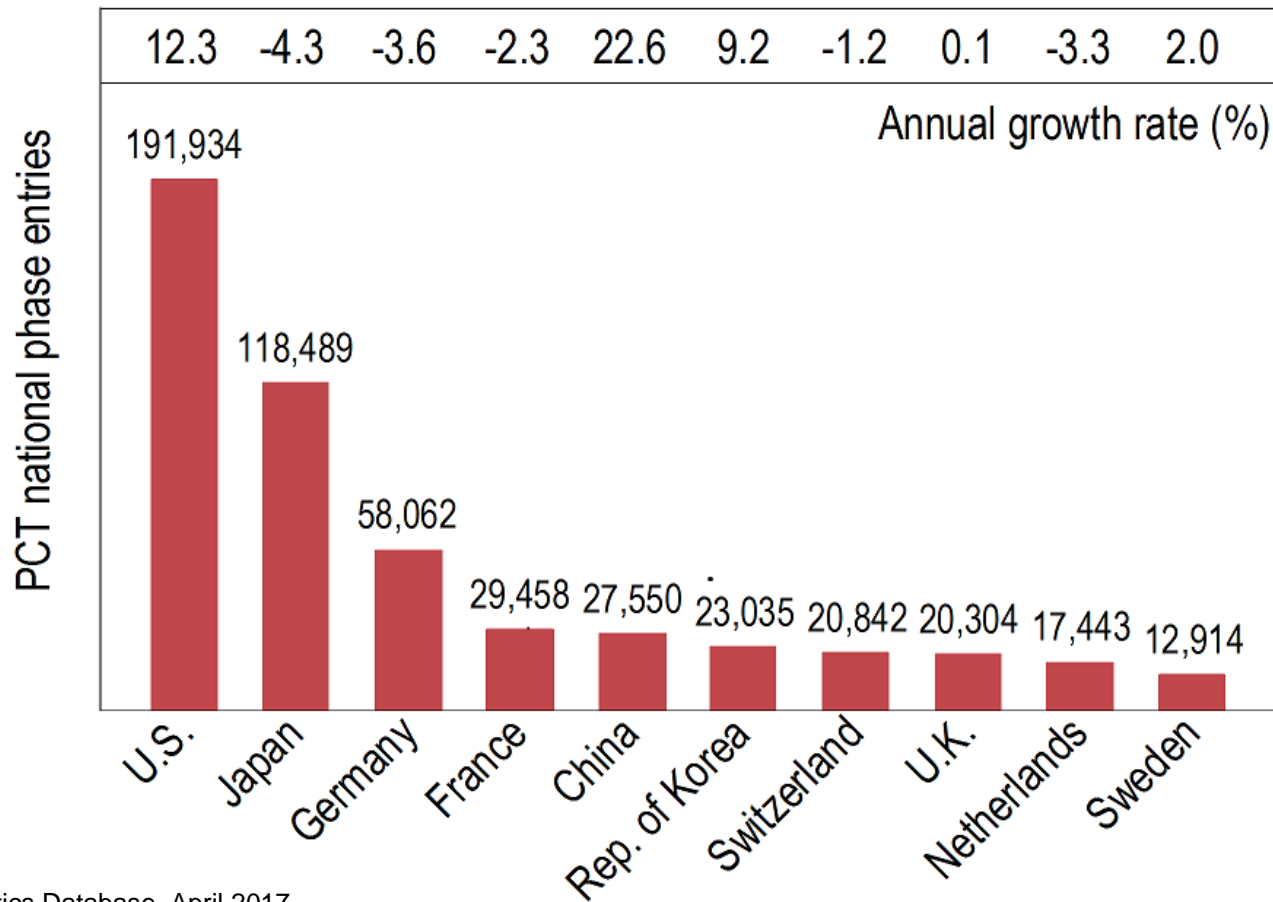
Non-Resident Applications by Filing Route



Source: WIPO Statistics Database, April 2017

- 521,000 non-resident national phase entries (+3.6%), 393,700 non-resident Paris-route filings (+4.0%) in 2015
- 57% of all non-resident applications filed through PCT

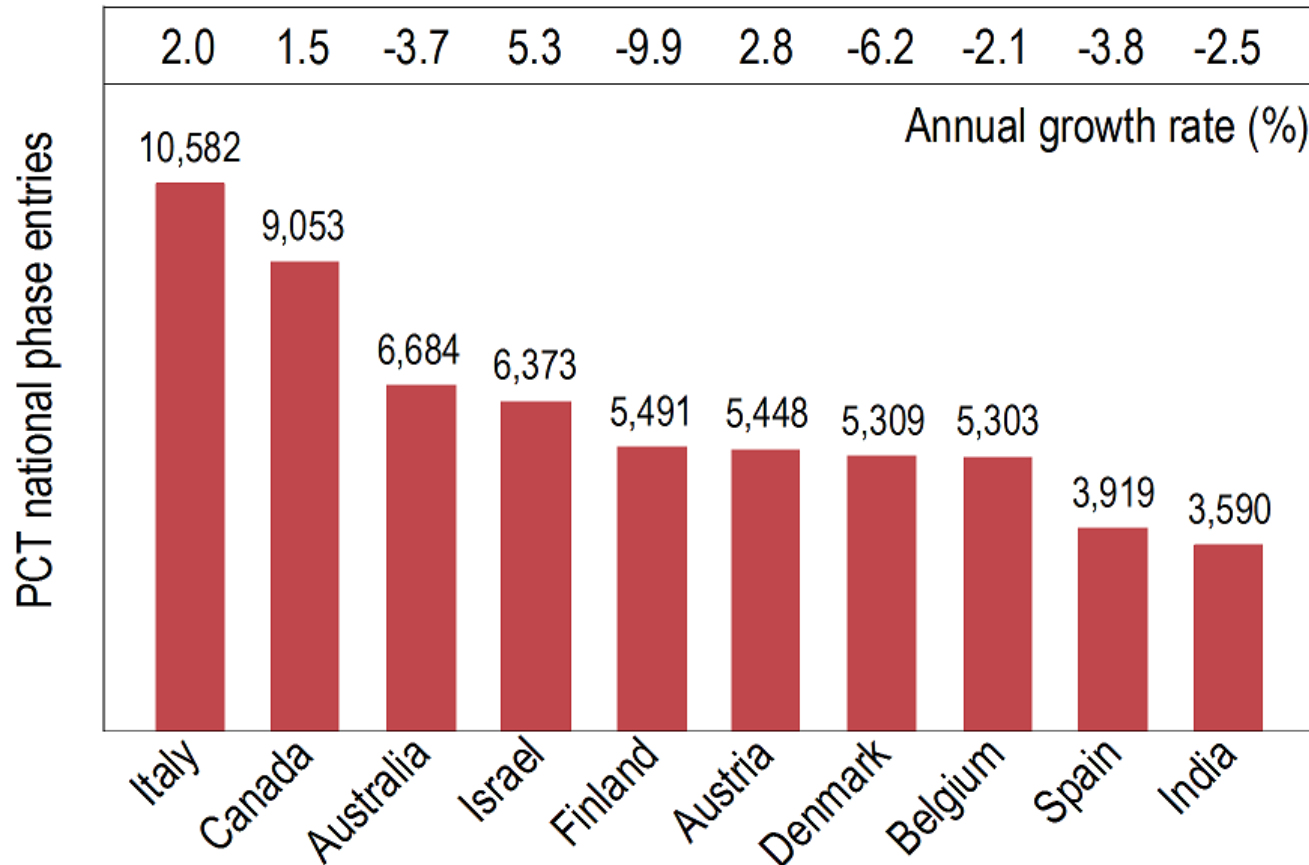
National Phase Entries for Top 10 Origins



Source: WIPO Statistics Database, April 2017

- United States of America (191,934, +12.3%), Japan (118,439, -4.3%) and Germany (58,062, -2.3%) had highest number of NPEs
- Fastest growth rate for China (+22.6%)

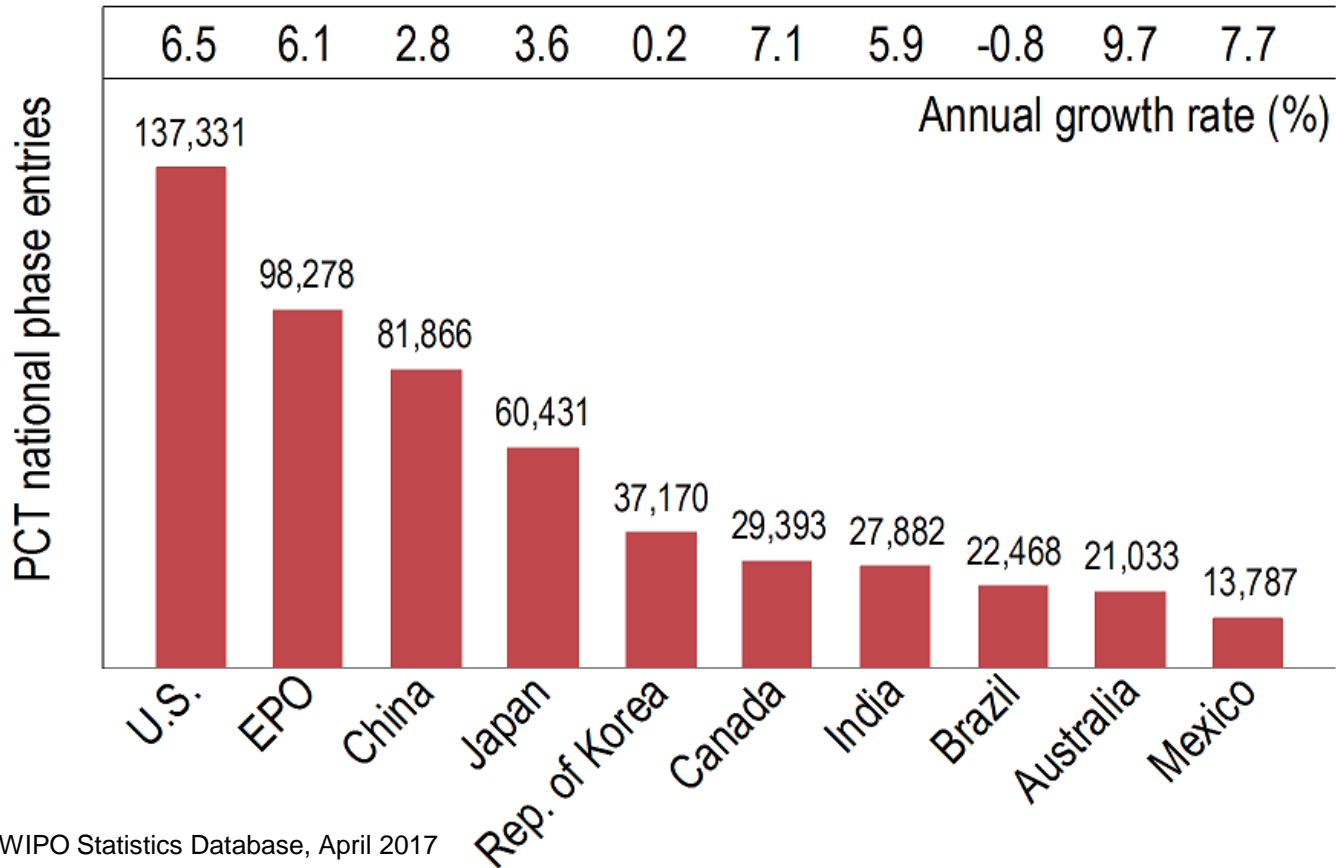
National Phase Entries for Next 10 Origins



Source: WIPO Statistics Database, April 2017

- 11 of the top 20 origins had a decrease in PCT national phase entries

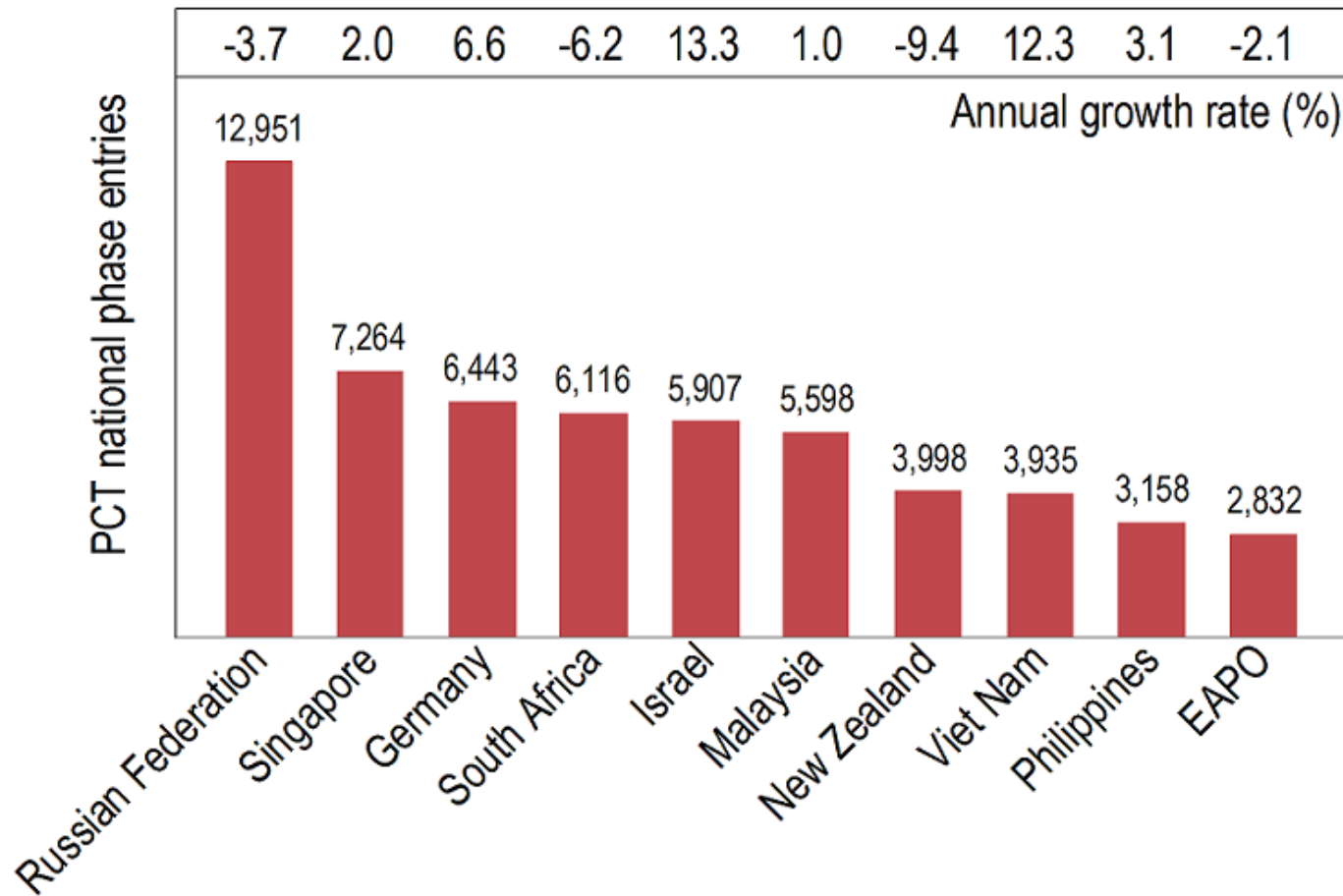
PCT NPEs for Top 10 Offices in 2015



Source: WIPO Statistics Database, April 2017

- USPTO had most NPEs in 2015 (137,331 representing 22.2% of all NPEs)
- Highest growth among top 10 Offices: Australia (+9.7%), Mexico (+7.7%) and Canada (+7.1%)

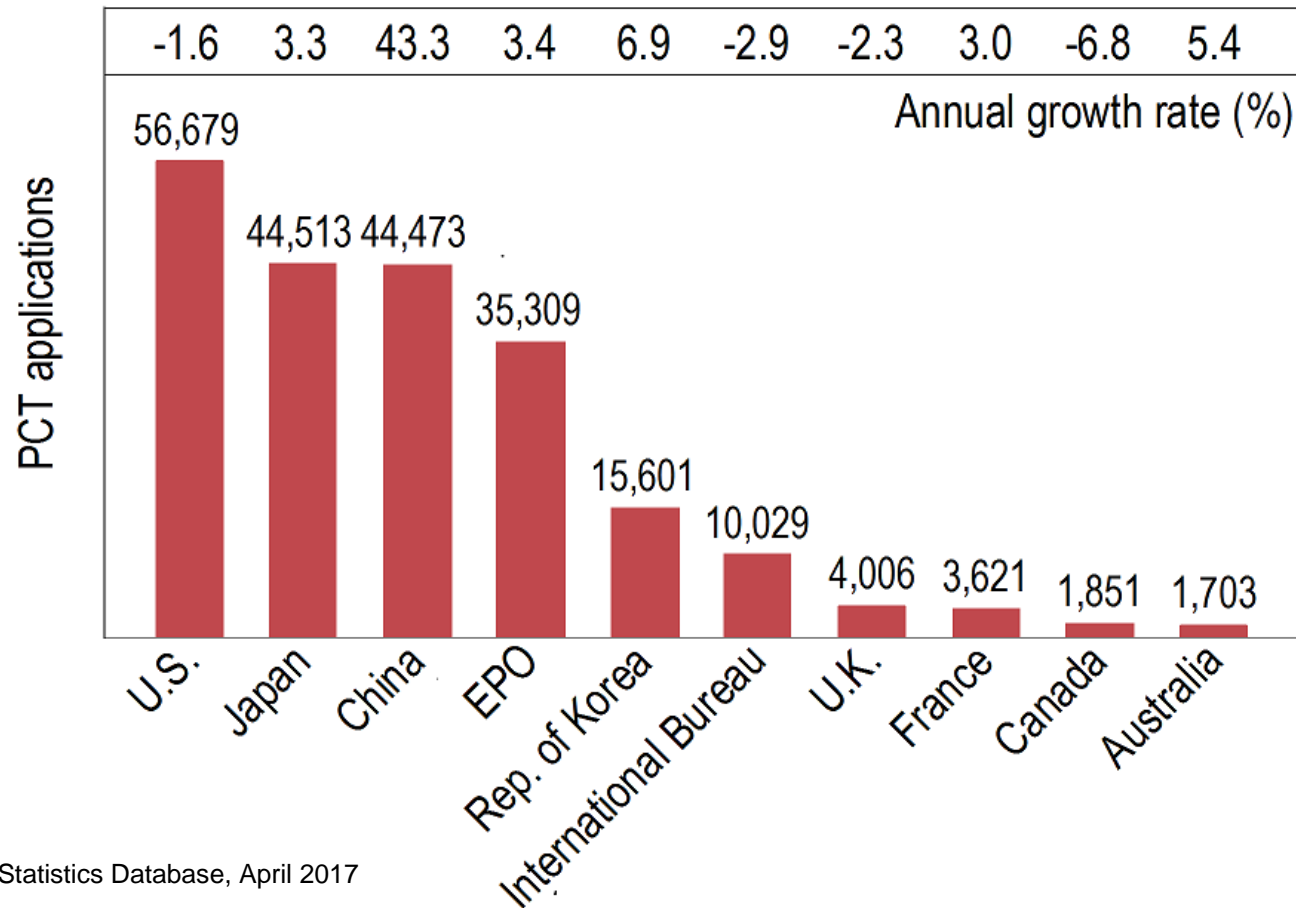
PCT NPEs for Next 10 Offices in 2015



Source: WIPO Statistics Database, April 2017

- Highest growth among next 10 Offices: Israel (+13.3%), Viet Nam (+12.3%) and Germany (6.6%)

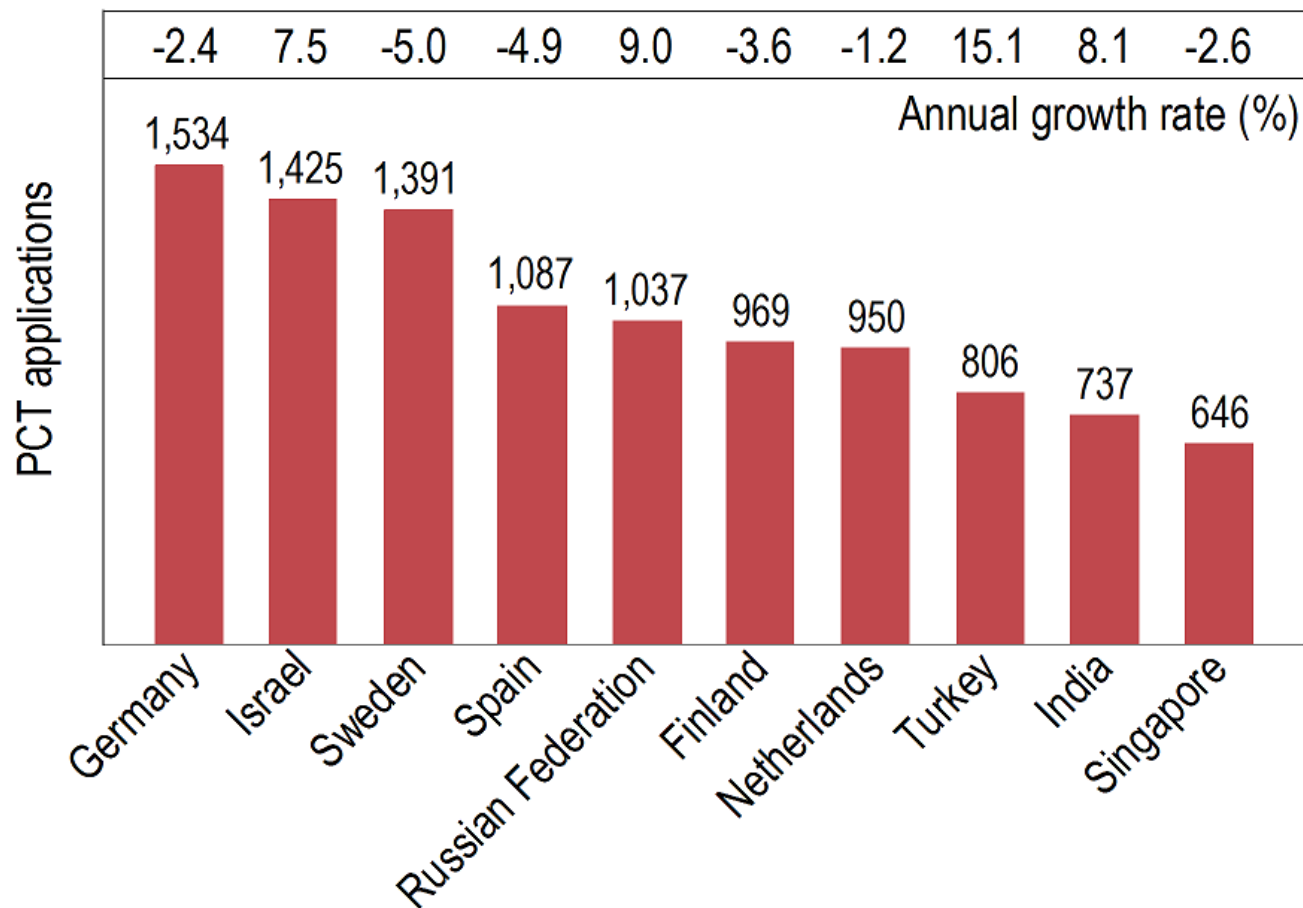
PCT Applications for Top 10 Receiving Offices in 2016



Source: WIPO Statistics Database, April 2017

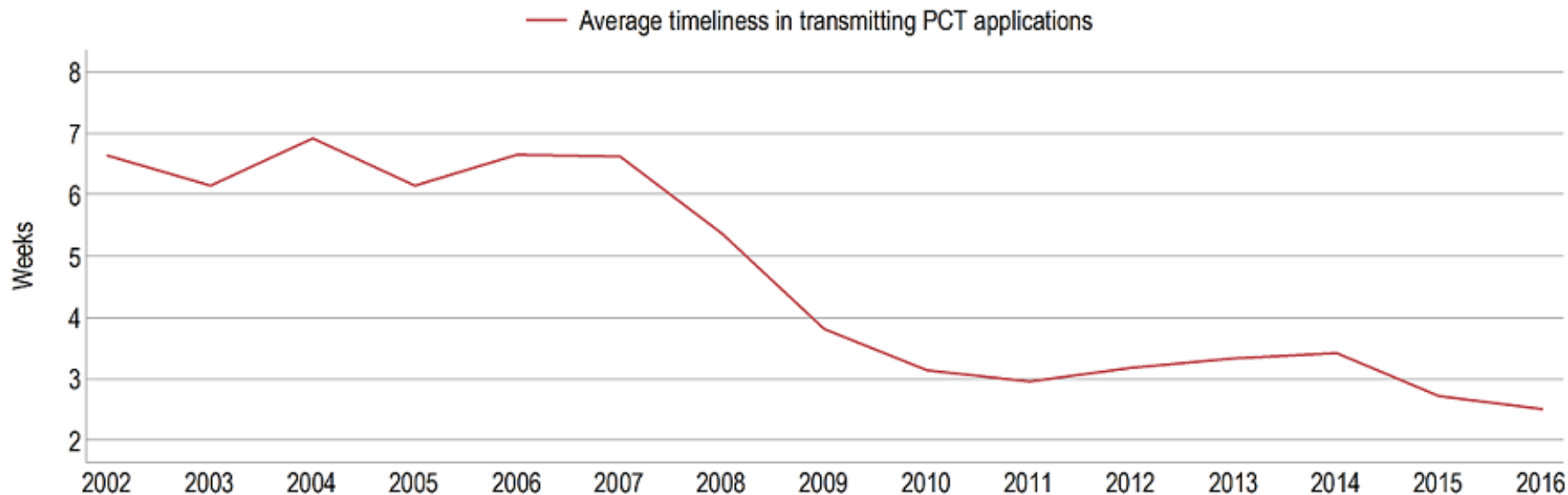
- Top 10 receiving Offices received 93.6% of all PCT applications filed in 2016

PCT Applications for Next 10 Receiving Offices in 2016



- Highest growth rates in 2016 for Turkey (+15.1%), Russian Federation (+9.0%) and India (+8.1%)

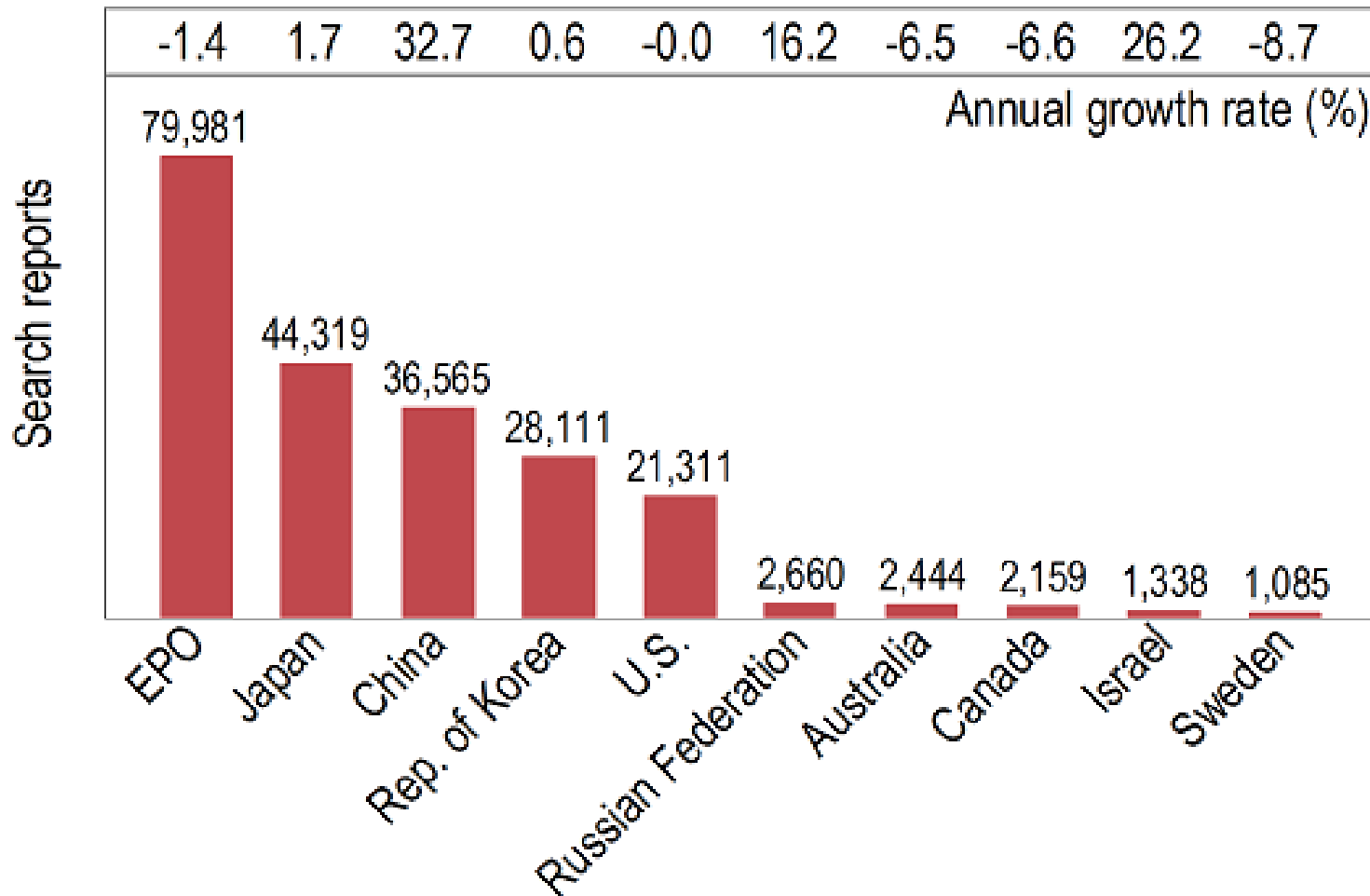
Receiving Offices: Timeliness of Transmitting PCT Applications to the IB



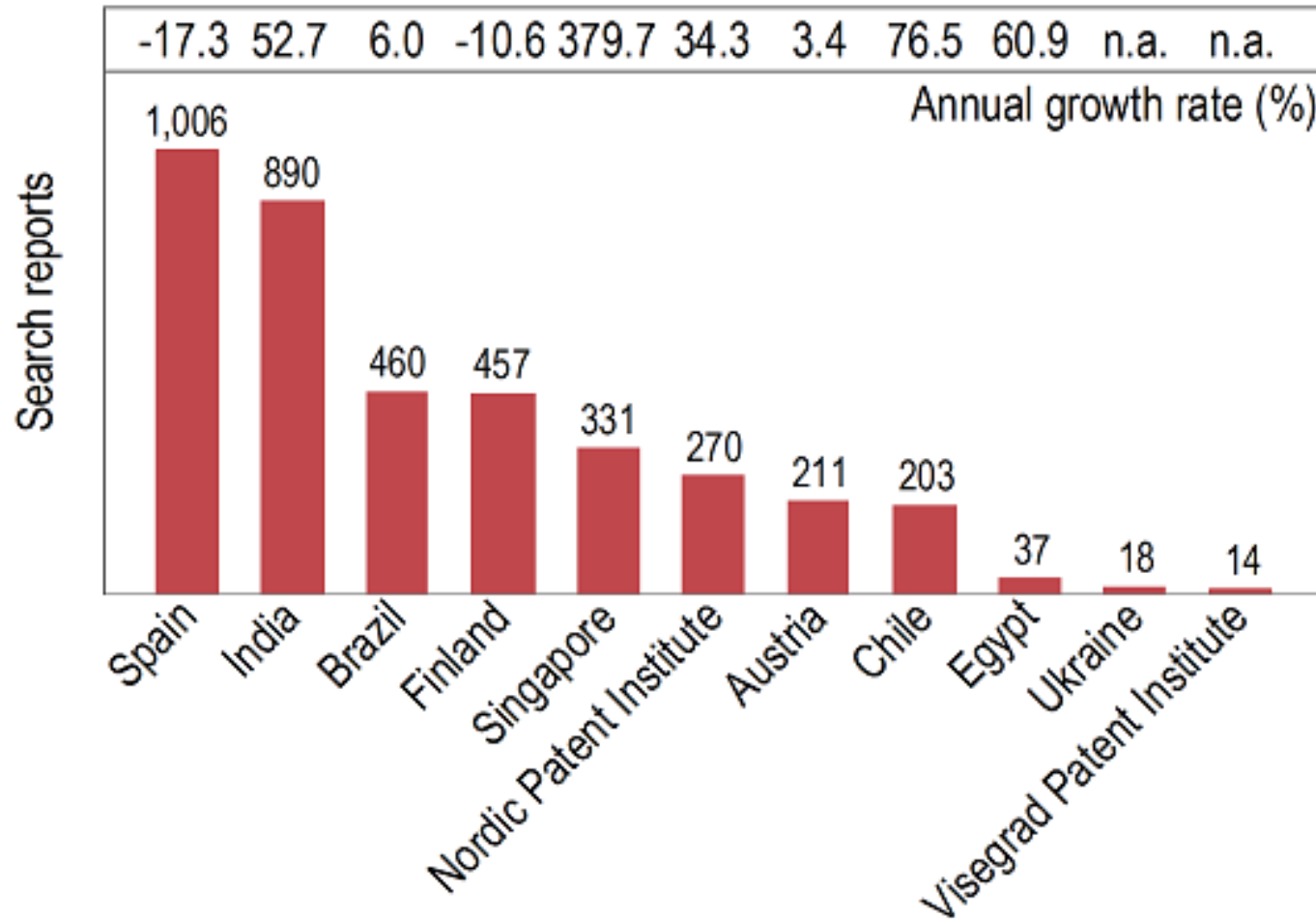
Source: WIPO Statistics Database, April 2017

- Average transmission time between international filing date and date the IB received the application decreased for second year in a row (shortest time since 2001)
- 94.8% of PCT applications transmitted to IB within 4 weeks in 2016 (93.4% in 2015)

Search Reports established by International Searching Authority (1)



Search Reports established by International Searching Authority (2)

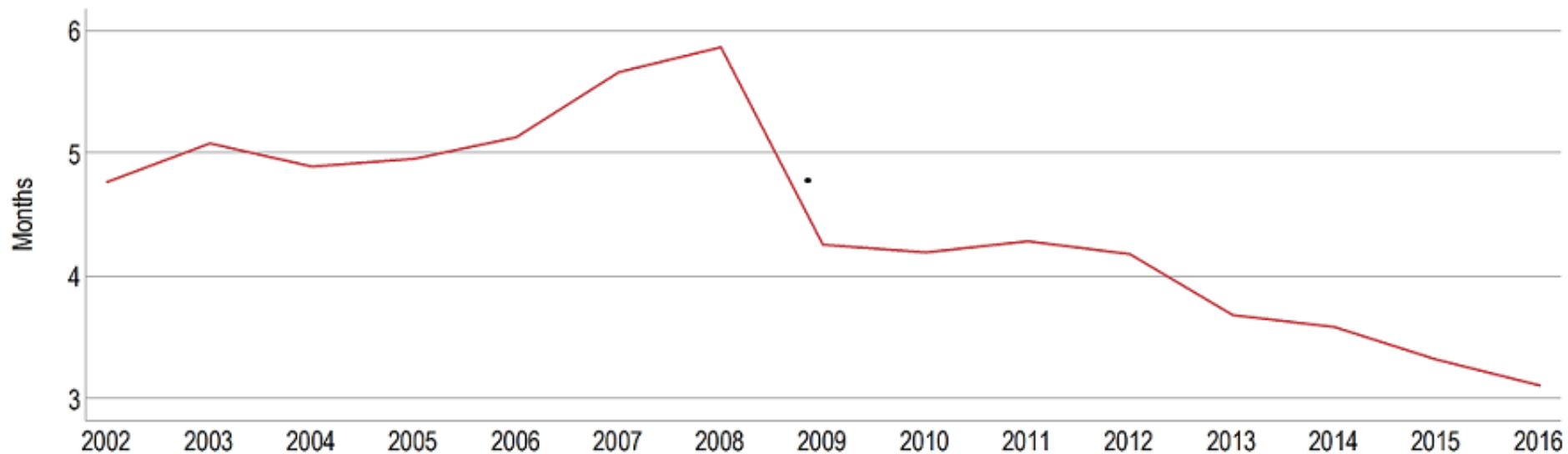


Source: WIPO Statistics Database, April 2017

■ Ukraine and Visegrad Patent Institute started operations in 2016

Average Timeliness in Transmitting ISRs to the IB from Date of Receipt of Search Copy

— Average timeliness in transmitting ISRs (from receipt of search copy)



Source: WIPO Statistics Database, April 2017

- Average timeliness in transmitting ISRs to the IB was about 3.1 months - shortest time since 2001
- 80.4% of PCT applications transmitted to IB within 3 months from date of receipt of search copy (76.3% in 2015)
- 96.2% of all international publications published with ISR (93.4% in 2015)

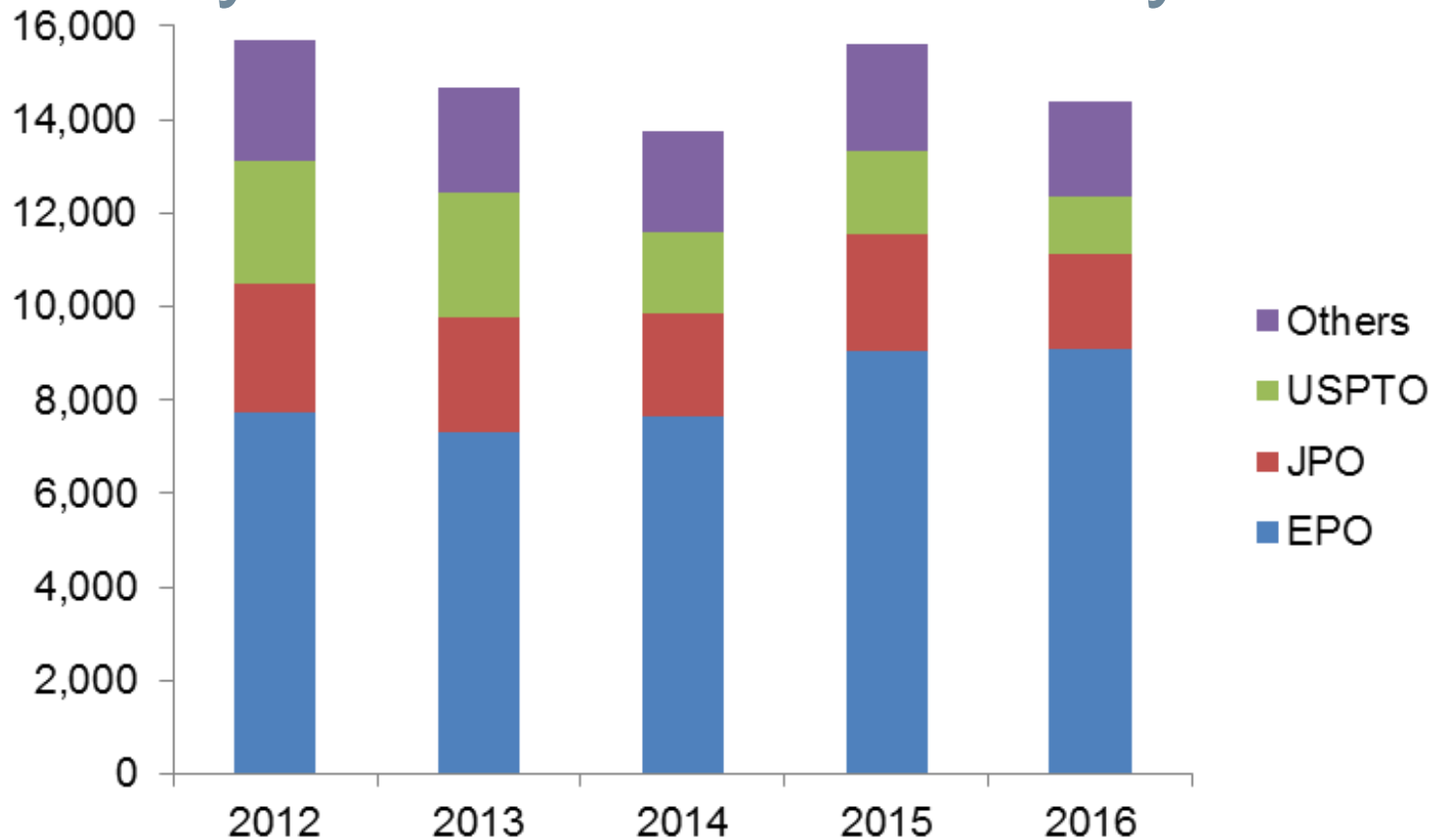
Supplementary International Search Requests

| Supplementary international searching authority | Year | | | | |
|---|-----------|-----------|------------|-----------|-----------|
| | 2012 | 2013 | 2014 | 2015 | 2016 |
| Austria | 2 | 2 | 2 | 2 | |
| European Patent Office | 21 | 30 | 61 | 40 | 44 |
| Finland | 1 | | | | |
| Nordic Patent Institute | 3 | | | | |
| Russian Federation | 19 | 32 | 46 | 22 | 2 |
| Singapore | | | | | 1 |
| Sweden | | 3 | | | |
| Total | 46 | 67 | 109 | 64 | 47 |

Source: WIPO Statistics Database, April 2017

- Supplementary International Search Requests fell for second consecutive year
- The EPO accounted for 93.6% of requests for supplementary international search in 2016

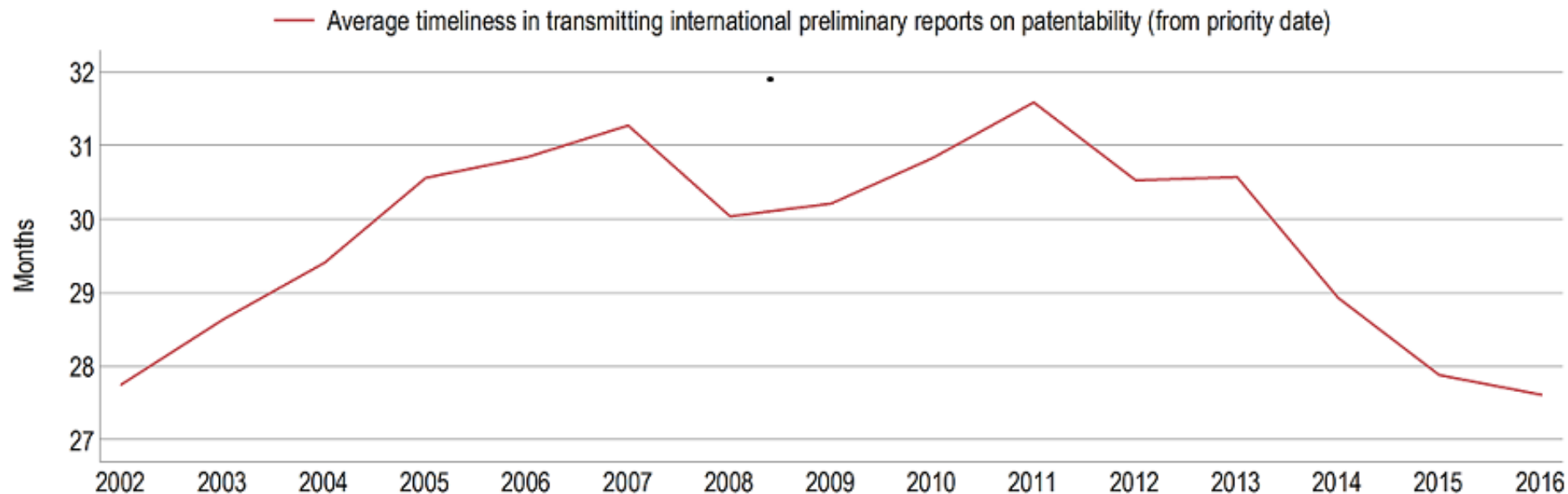
IPRPs (Chapter II) by International Preliminary Examination Authority



Source: WIPO Statistics Database, April 2017

- Reports established by IPEA fell by 7.9% in 2016 to 14,395
- 85.8% of IPRPs (Chapter II) were produced by the EPO, the JPO or the USPTO

Average Timeliness in Transmitting IPRPs



Source: WIPO Statistics Database, April 2017

- Average time in transmitting IPRPs fell to 27.6 months in 2016
- 85.8% of all IPRPs were transmitted to the IB within 28 months of priority date (80.4% in 2015)

Further information:

2017 PCT Yearly Review

The International Patent System

WIPO Publication No. 901E/2017

World Intellectual Property Indicators 2016

WIPO Publication No. 941E/2016

WIPO IP Statistics Data Center

<http://www.wipo.int/ipstats/en/>