



WIPO | PCT

The International
Patent System



PCT Statistics

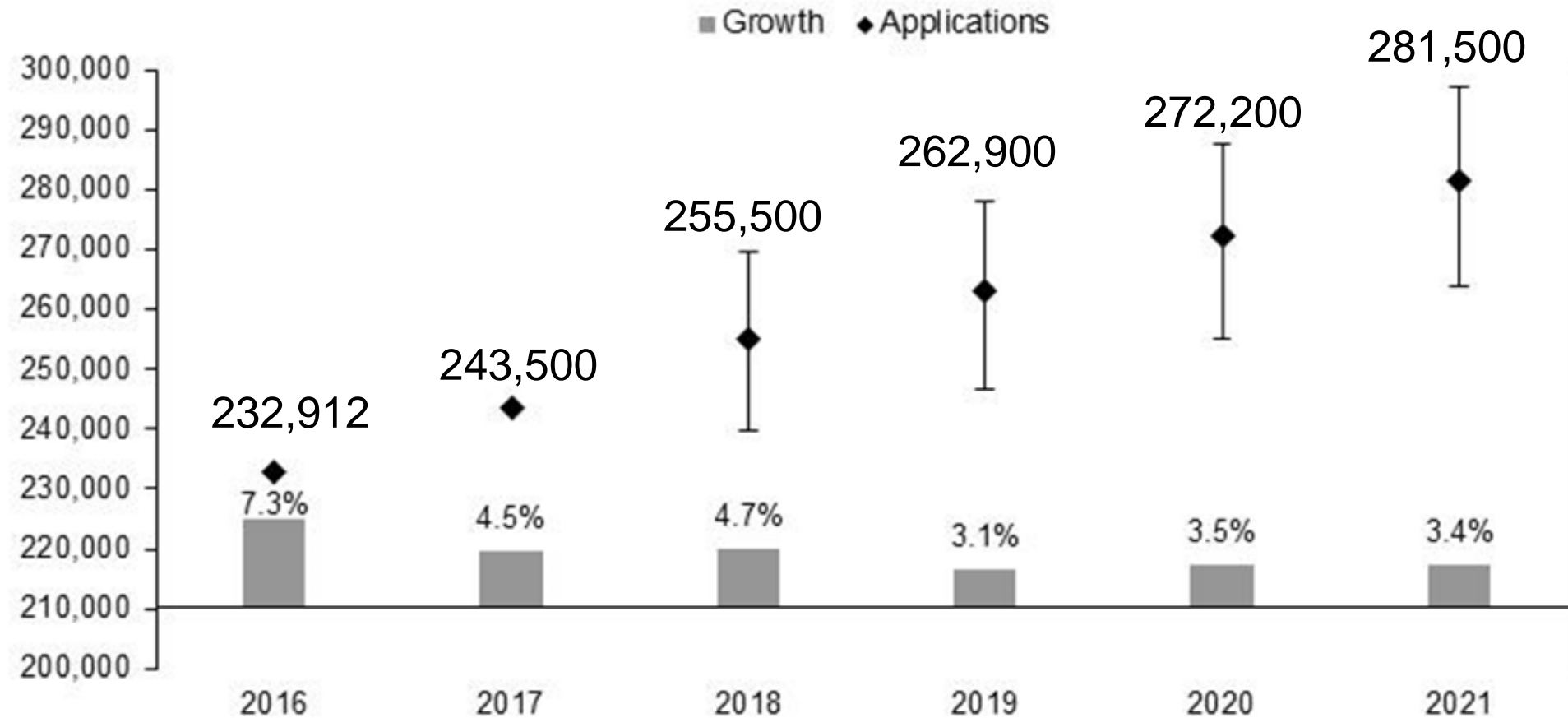
PCT Working Group
Eleventh Session

**Geneva
June 18 to
22, 2018**

PCT Statistics Outline

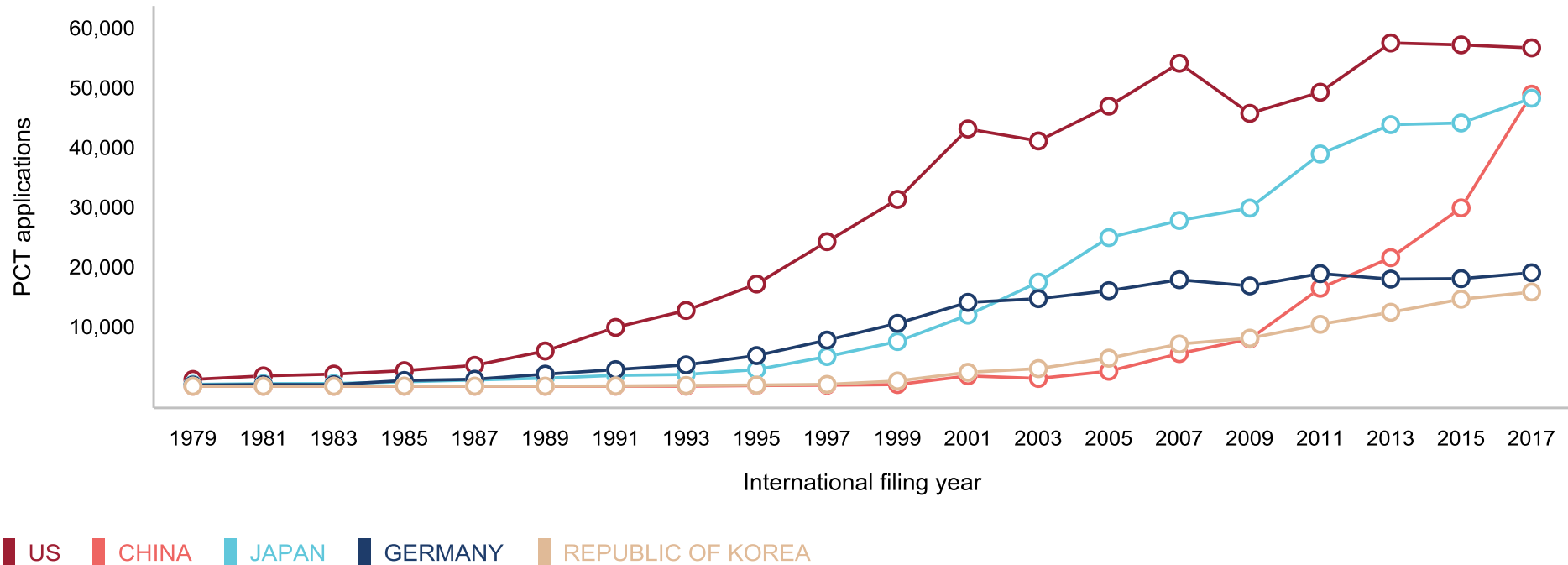
- PCT Application Filings
- Receiving Offices
- International Authorities
- PCT National Phase Entries

PCT Application Filings



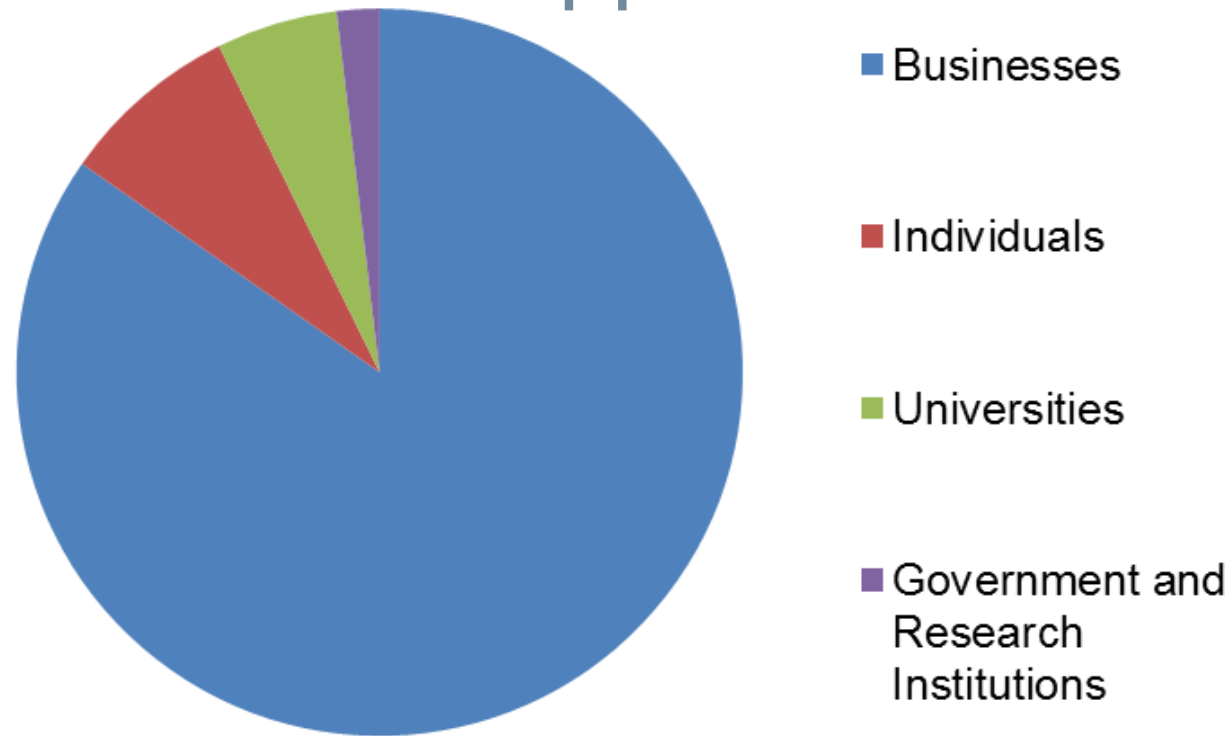
Source: Economics and Statistics Division, WIPO

Filing Trends for the Top 5 Origins



Source: WIPO Statistics Database, March 2018

Distribution of PCT Applicants in 2017



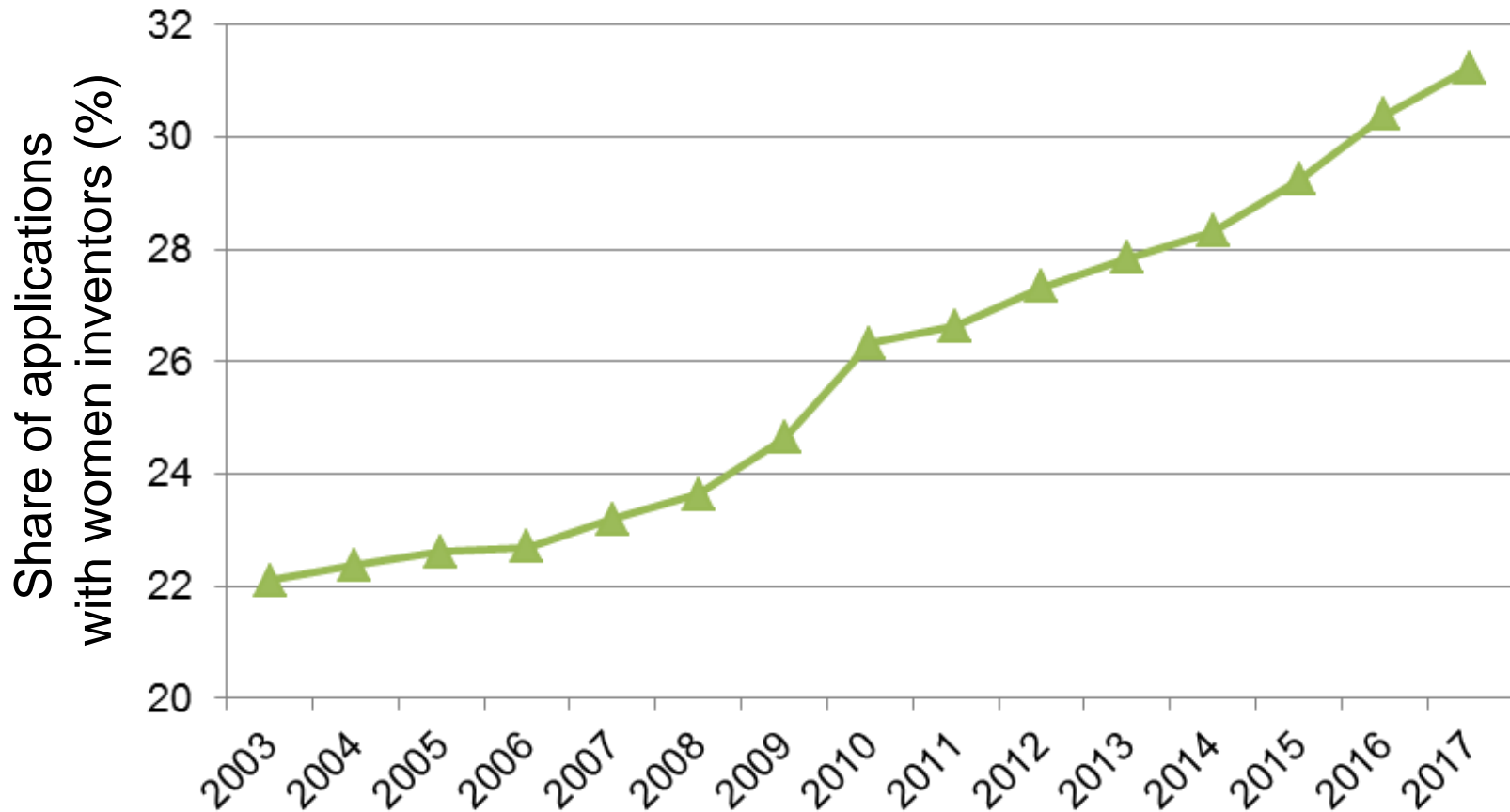
Top Applicants

Businesses: Huawei Technologies – 4,024 published applications

Universities: University of California – 482 published applications

Government and Research Institutions: Commissariat à l'Énergie Atomique et aux Énergies Alternatives – 300 published applications

PCT Applications by Gender



■ 30.5% of all PCT applications in 2017 included women inventors (+0.7 percentage points)

Source: WIPO Statistics Database, March 2018

Main Fields of Technology in 2017

■ Main Fields of Technology by Percentage of Total

■ Computer Technology	19,122 applications (8.6%)
■ Digital Communication	18,400 applications (8.2%)
■ Electrical Machinery	15,223 applications (6.8%)
■ Medical Technology	15,024 applications (6.7%)

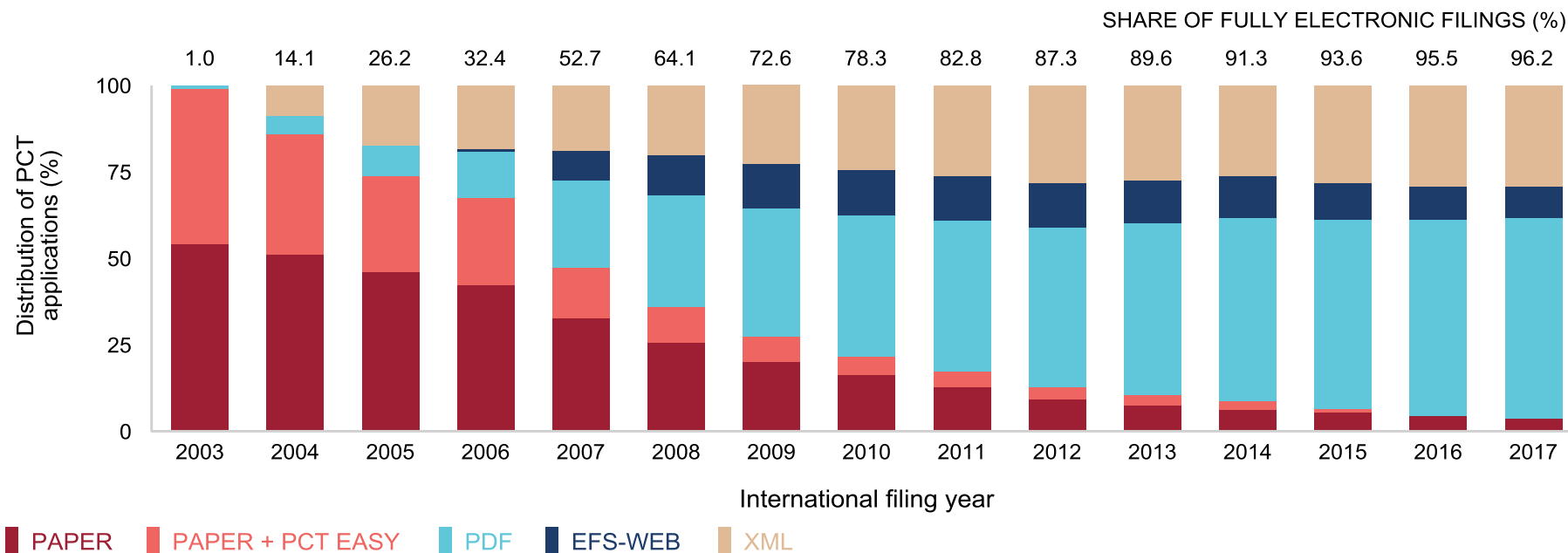
■ Largest increases:

- Control: +16.5%
- Thermal Processes: +14.9%
- Transport: +11.8%
- Computer Technology: +11.4%

■ Largest decreases:

- Basic Communication Processes: -4.7%
- Civil Engineering: -2.5%
- Machine Tools: -1.3%
- Organic Fine Chemistry: -0.6%

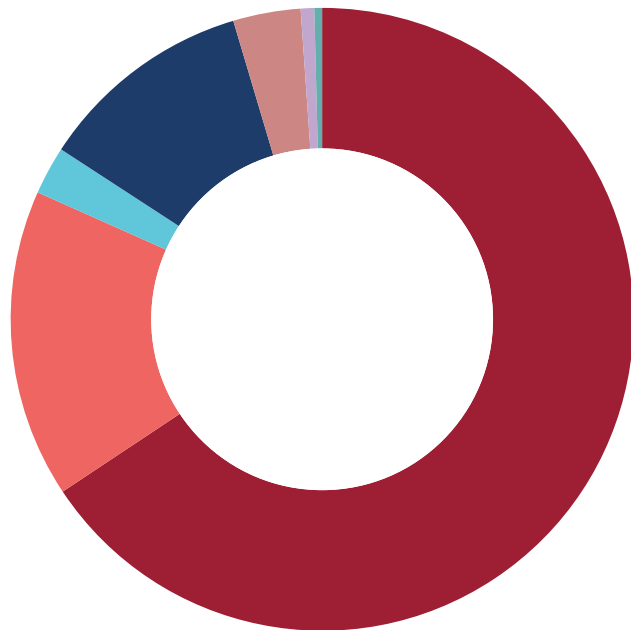
PCT Applications by Medium of Filing



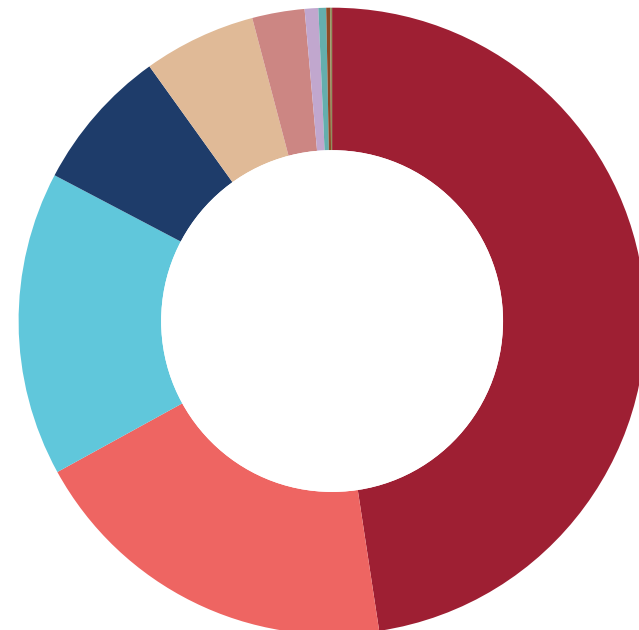
■ Distribution in 2017: 3.8% paper, 96.2% fully electronic (PDF 57.9%, EFS-Web 9.1%, XML 29.2%)

■ XML filings rose by 6 percentage points from 2008 to 2011, and then by slightly over 3 percentage points from 2011 to 2017

PCT Applications by Publication Language



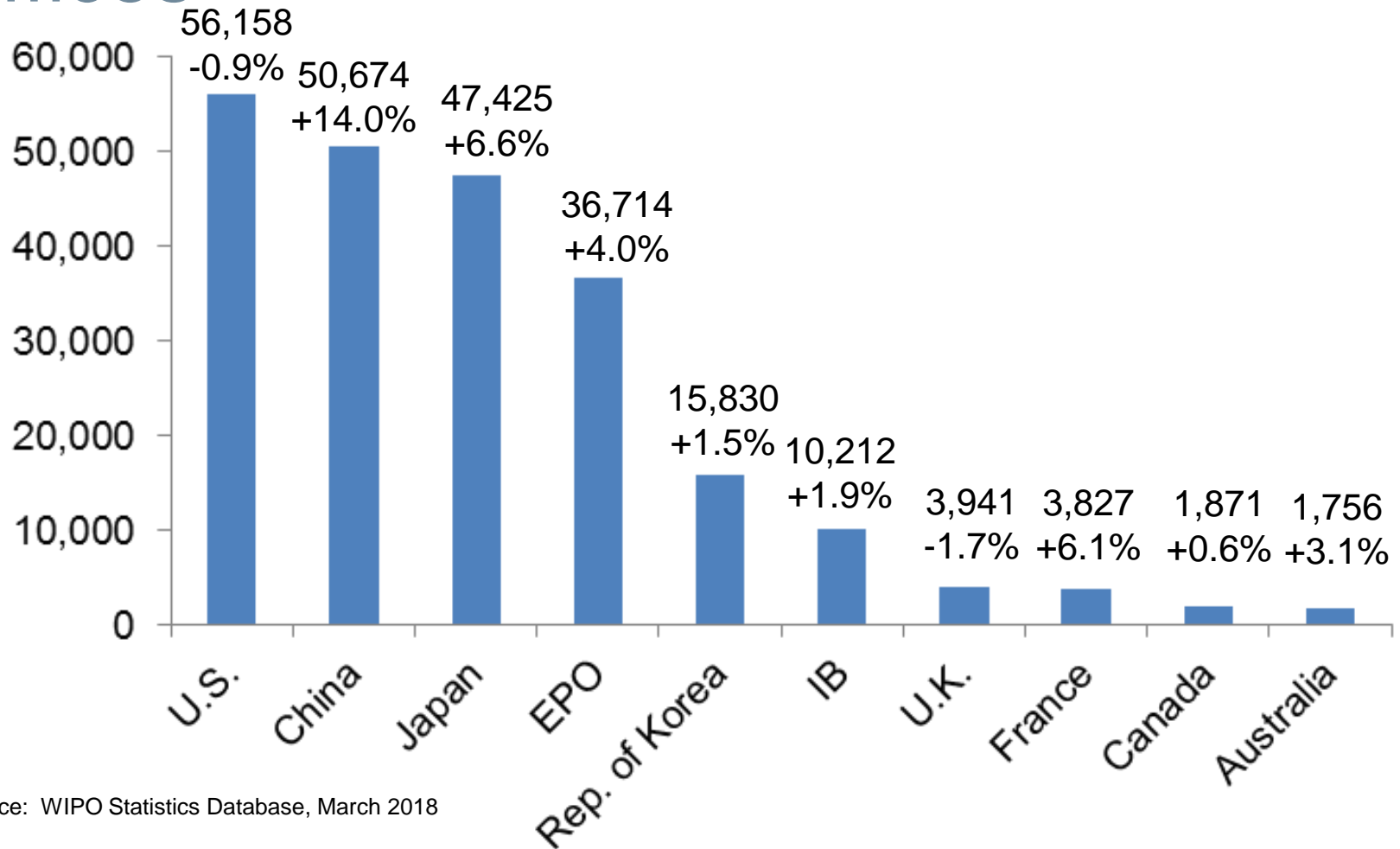
2007



2017

- For the first time in 2017, less than half of PCT applications were published in English
- Publication share in Chinese rose from 12.4% in 2016 to 15.7% in 2017

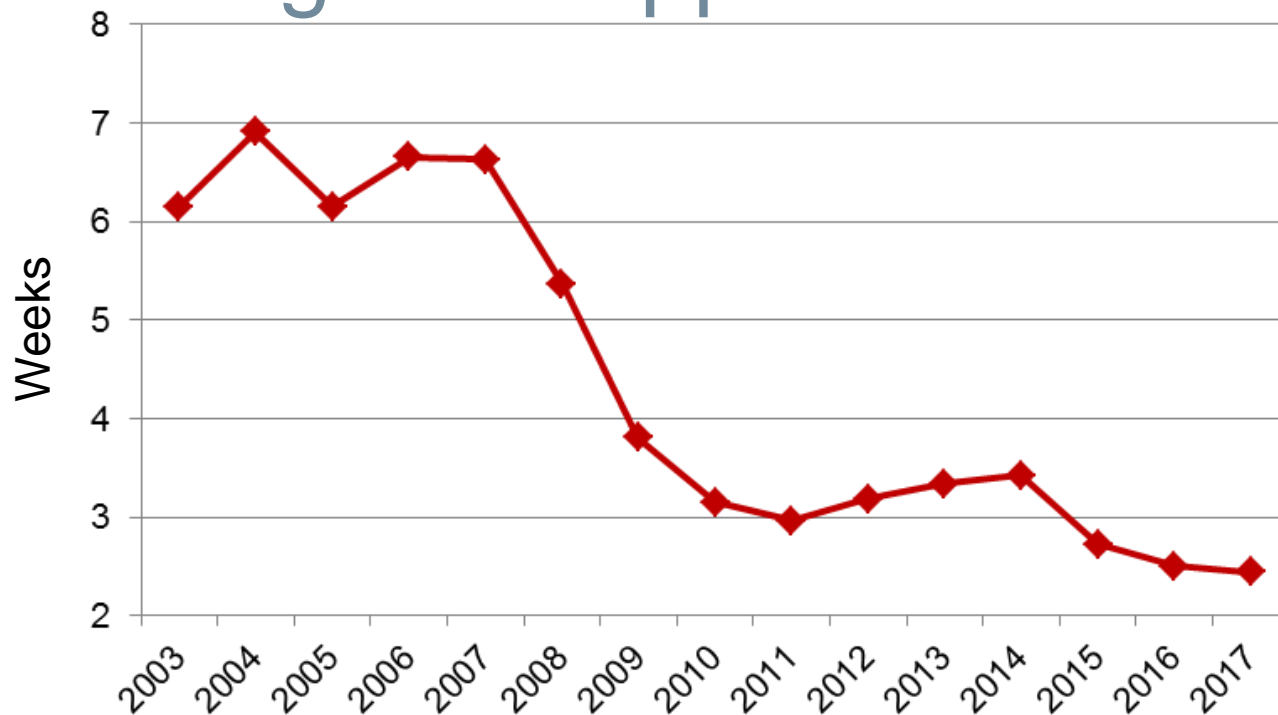
PCT Applications for Top 10 Receiving Offices



Source: WIPO Statistics Database, March 2018

■ China replaced Japan as second most-used receiving Office in 2017

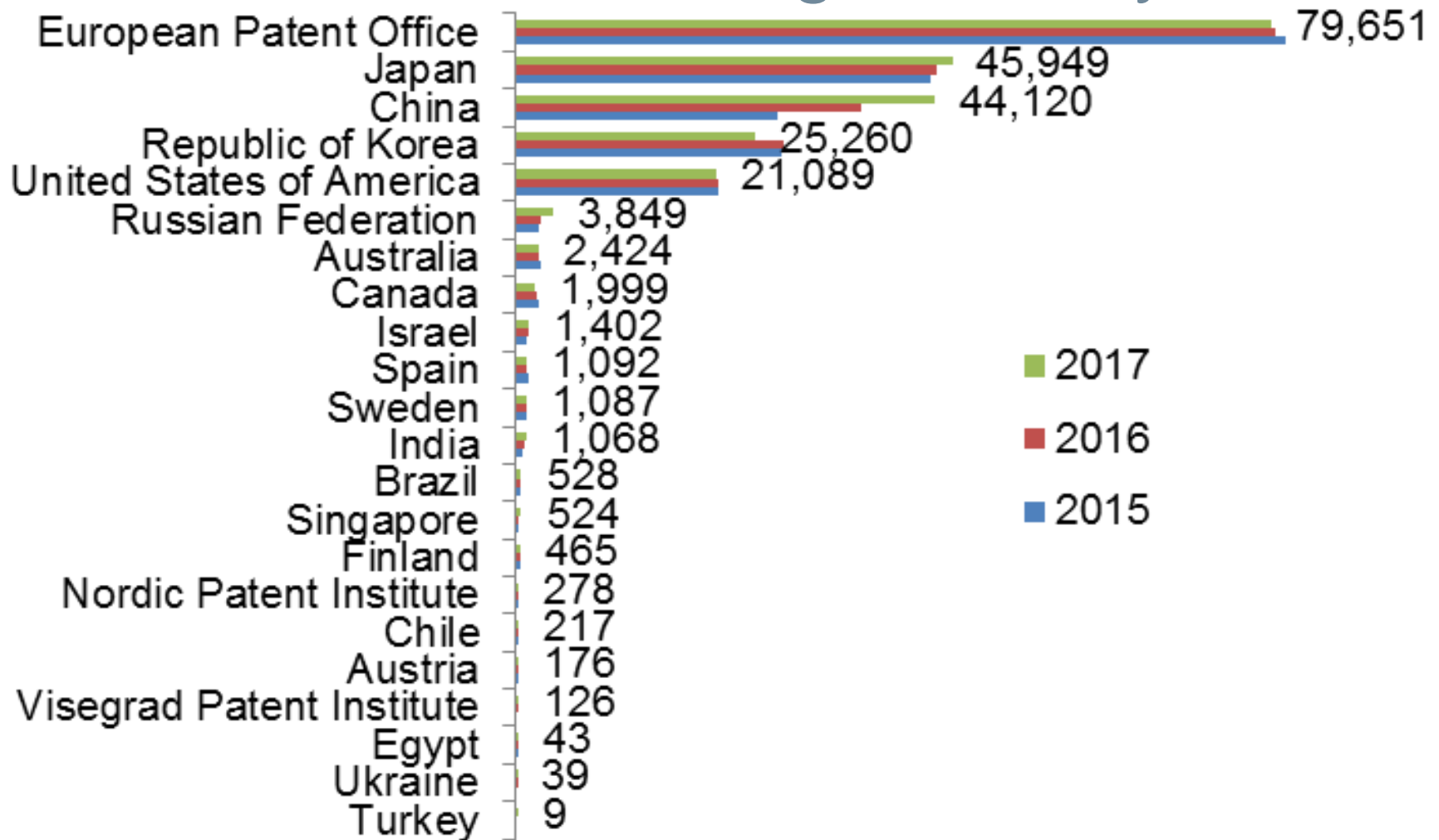
Receiving Offices: Timeliness of Transmitting PCT Applications to the IB



Source: WIPO Statistics Database, March 2018

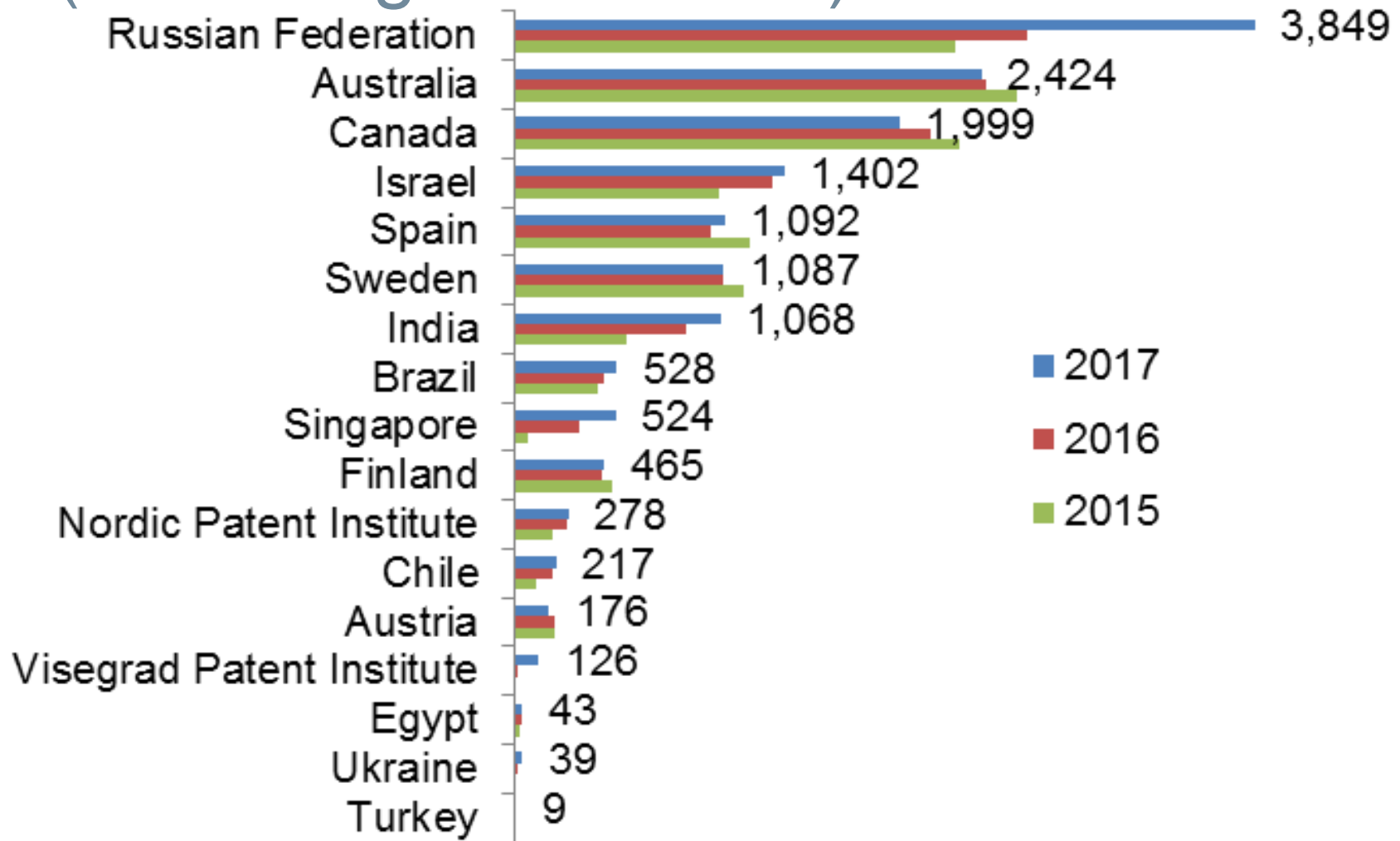
- Average transmission time between international filing date and date the IB received the application decreased to under 2.5 weeks in 2017
- 95.1% of PCT applications transmitted to IB within 4 weeks in 2017 (94.8% in 2016)

Search Reports established by International Searching Authority



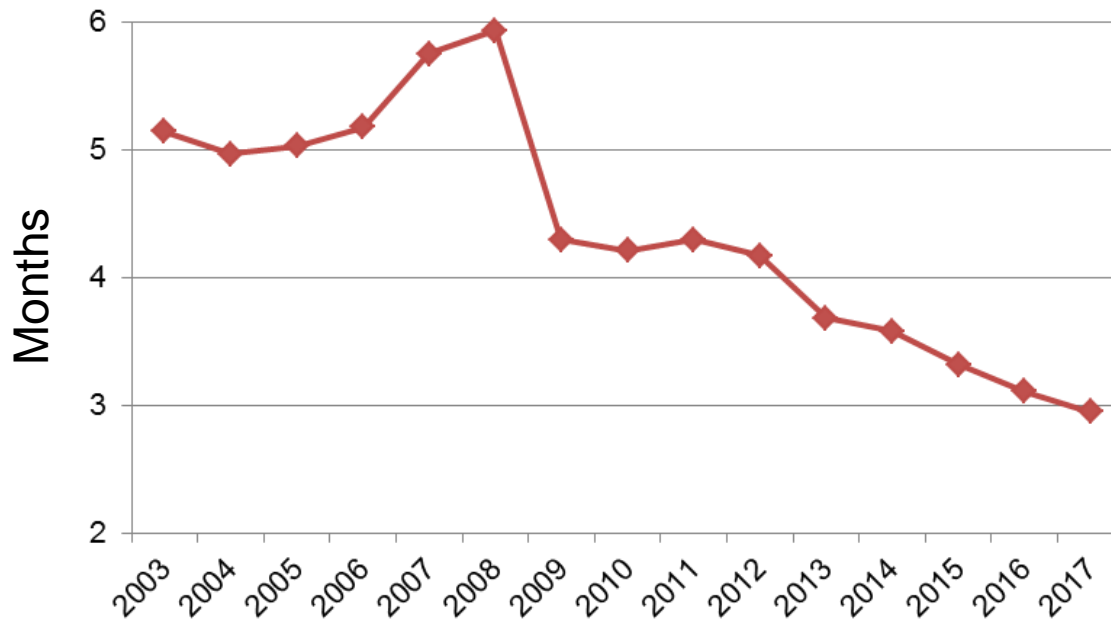
Data based on international filing year of application

Search Reports established by ISA (excluding IP5 Offices)



Data based on international filing year of application

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



Source: WIPO statistics database, March 2018. Excludes cases where the time limit of 9 months from the priority date applies.

- Average timeliness in transmitting ISRs to the IB was 2.96 months in 2017
- 84.1% of PCT applications transmitted to IB within 3 months from date of receipt of search copy (80.4% in 2016)
- 97.4% of international publications published with ISR (96.2% in 2016)

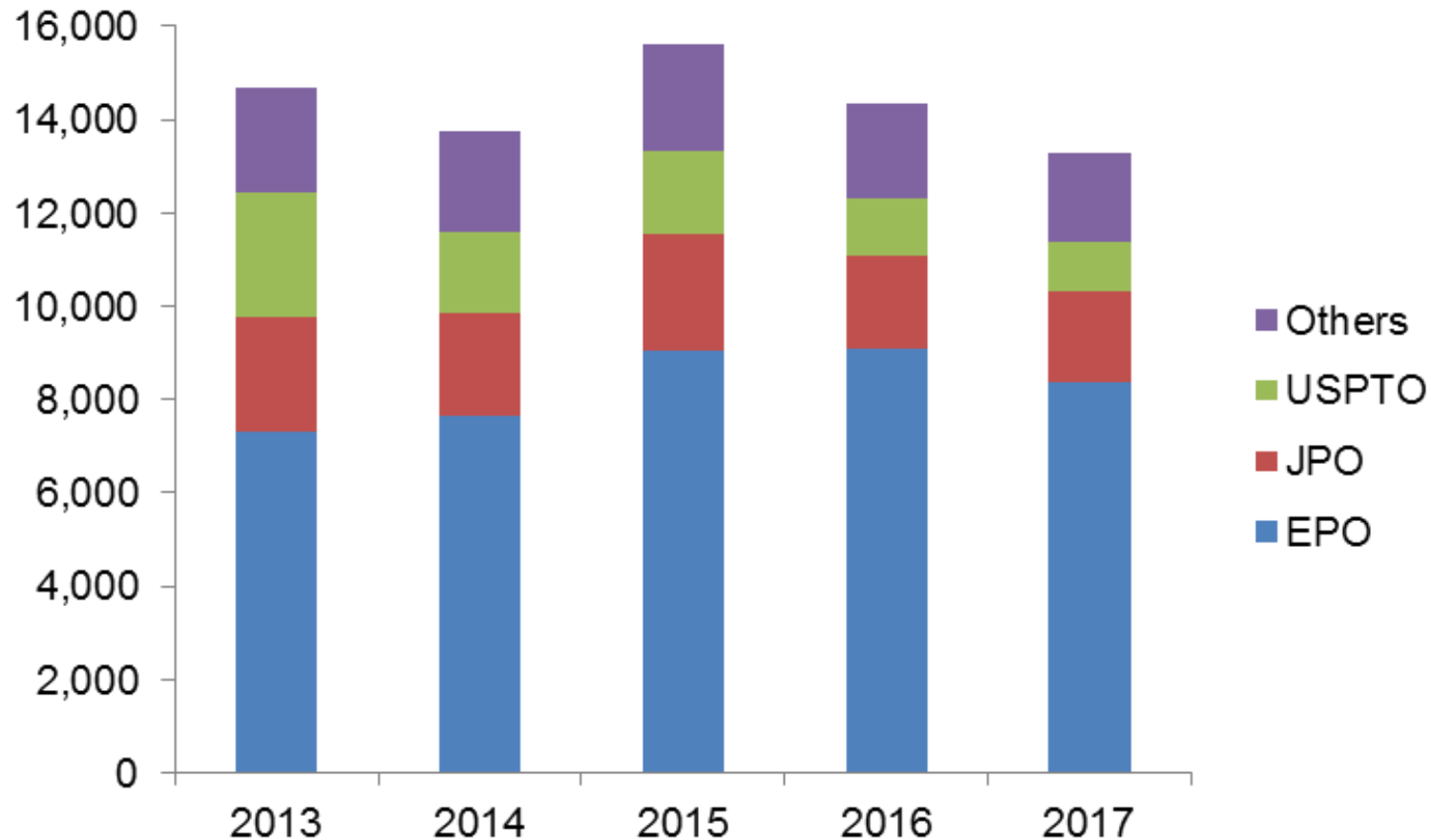
Supplementary International Search Requests

Supplementary international searching authority	Year					
	2012	2013	2014	2015	2016	2017
Austria	2	2	2	2		1
European Patent Office	21	30	61	40	44	40
Finland	1					
Russian Federation	19	32	46	22	3	6
Sweden		3				
Singapore					1	
Ukraine						2
Nordic Patent Institute	3					
Total	46	67	109	64	48	49

Source: WIPO Statistics Database, March 2018

- The EPO accounted for 81.6% of requests for supplementary international search in 2017

IPRPs (Chapter II) by International Preliminary Examination Authority

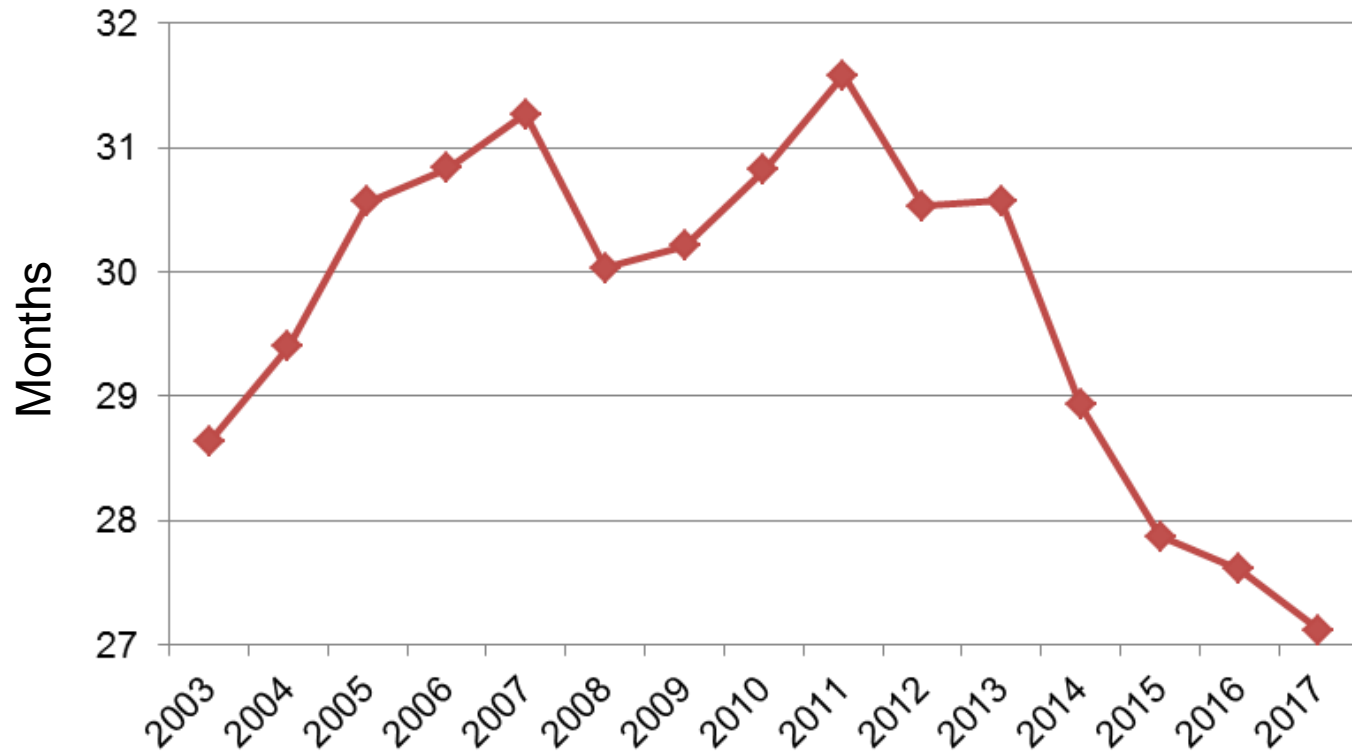


Source: WIPO Statistics Database, June 2018

■ Reports established by IPEA fell by 7.6% in 2017 to 13,270

■ 85.7% of IPRPs (Chapter II) were produced by the EPO, the JPO or the USPTO

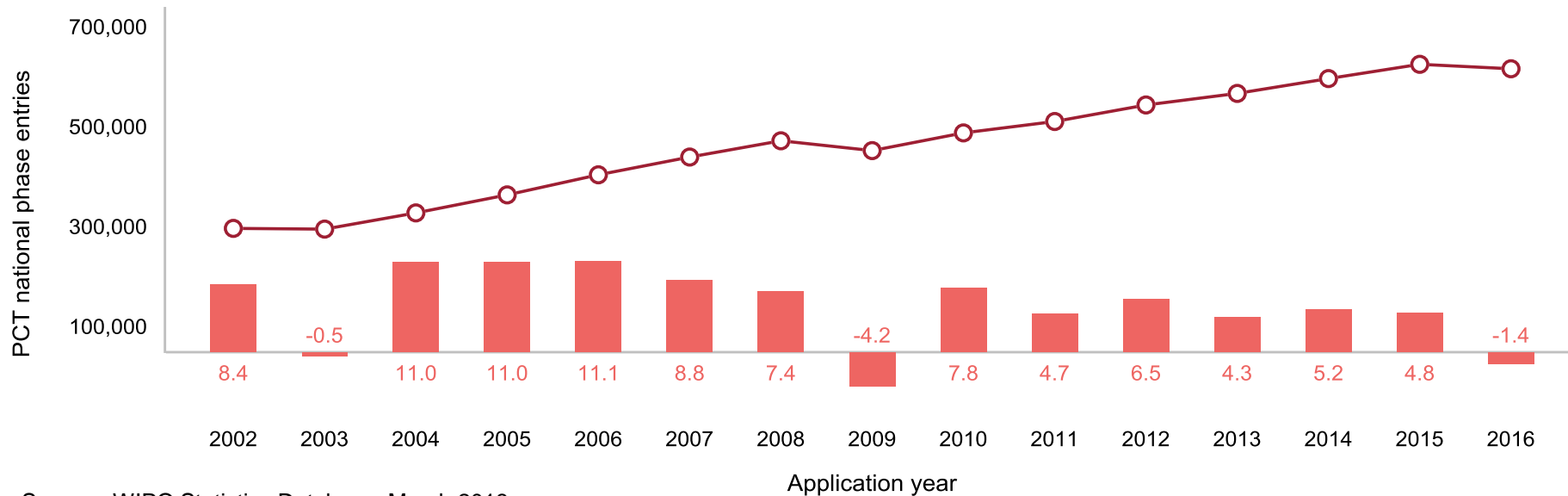
Average Timeliness in Transmitting IPRPs



Source: WIPO Statistics Database, March 2018

- Average time in transmitting IPRPs fell to 27.1 months from priority date in 2017
- 89.3% of all IPRPs were transmitted to the IB within 28 months of priority date (85.8% in 2016)

PCT- National Phase Entries



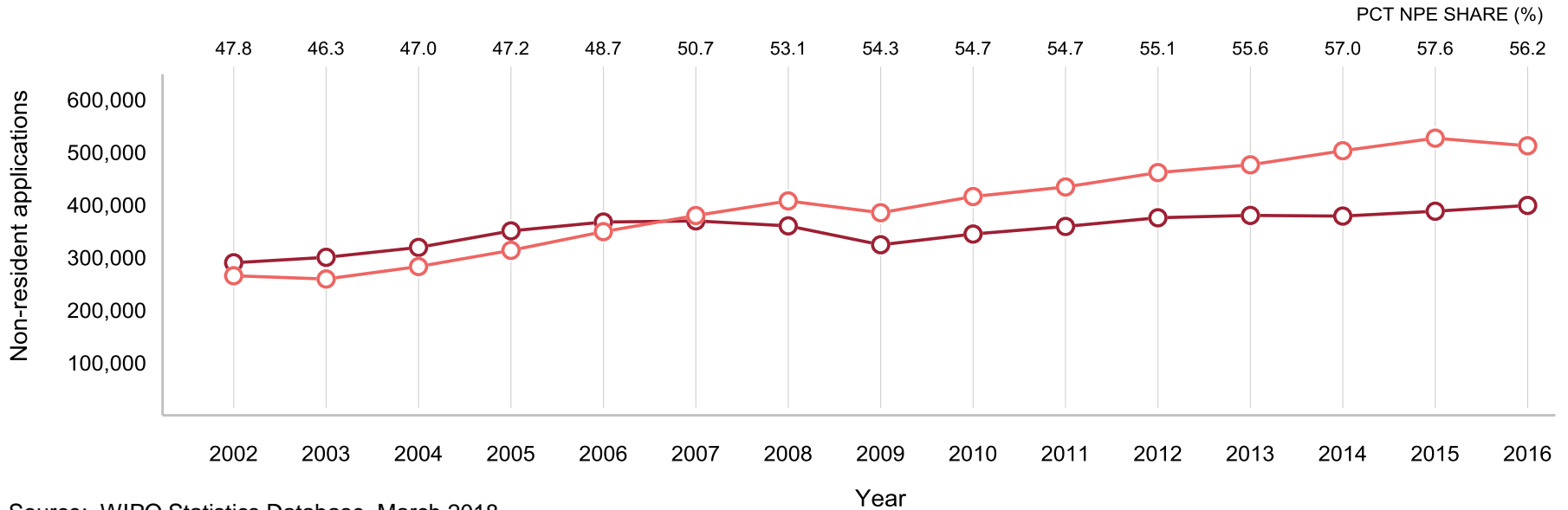
Source: WIPO Statistics Database, March 2018

■ PCT NATIONAL PHASE ENTRIES ■ ANNUAL GROWTH RATE (%)

■ 615,400 national phase entries estimated for 2016 (-1.4%) (first decline since 2009)

■ About 83% are non-resident national phase entries

Non-Resident Applications by Filing Route

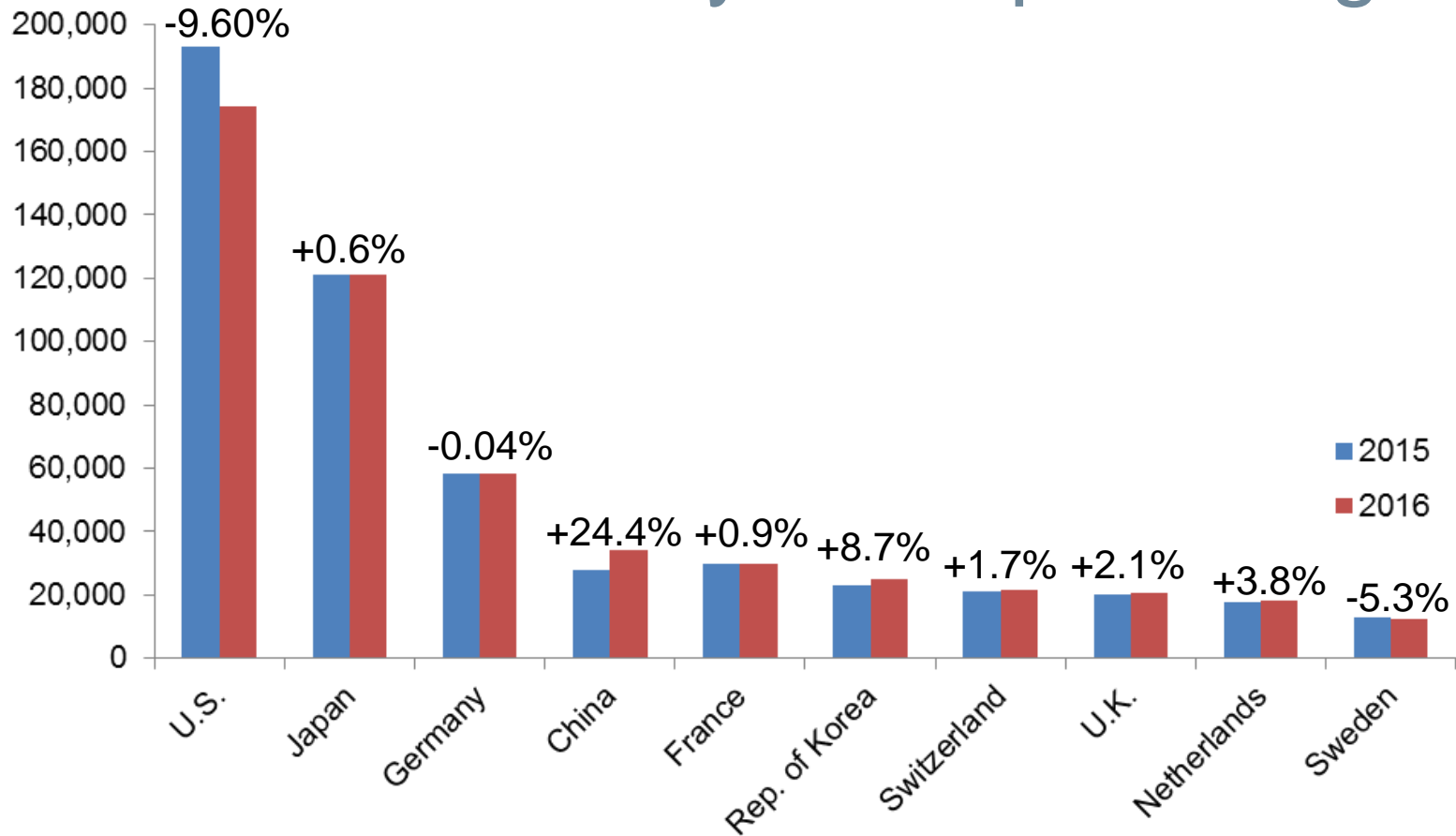


Source: WIPO Statistics Database, March 2018

■ PARIS ROUTE ■ PCT NATIONAL PHASE ENTRIES

- 512,200 non-resident national phase entries (-1.7%), 398,900 non-resident Paris-route filings (+1.3%) in 2016
- 56.2% of all non-resident applications filed through PCT in 2016 (57.6% in 2017)

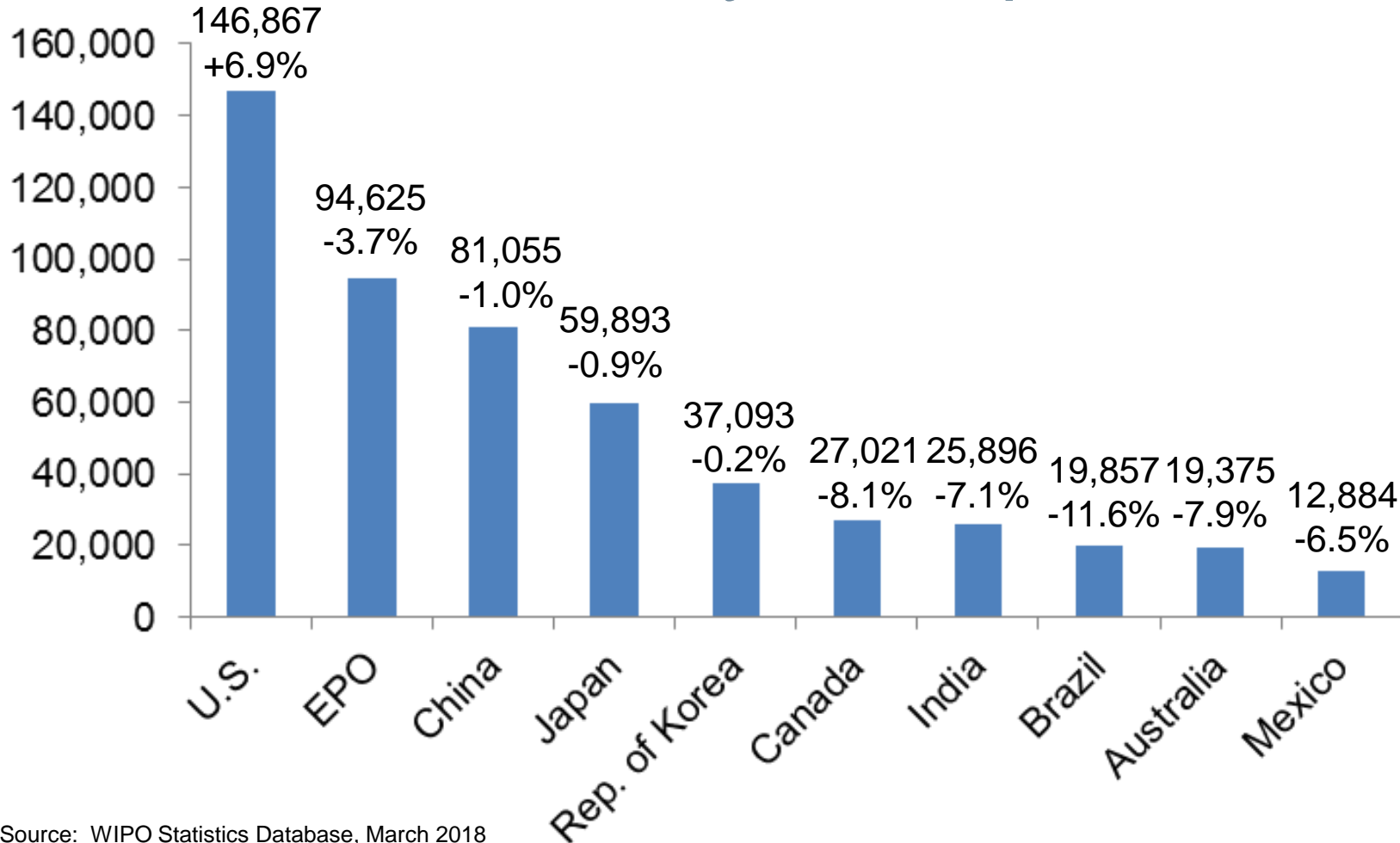
National Phase Entry for Top 10 Origins



Source: WIPO Statistics Database, March 2018

- U.S. origin national phase entries dropped by 9.6% from 192,933 to 174,417 in 2016 (after rise of 12.3% in previous year)
- 24.4% growth for China is third successive >20% growth

National Phase Entry for Top 10 Offices



Source: WIPO Statistics Database, March 2018

■ Among top 20 Offices, only U.S. (+6.9%), South Africa (+5.7%) and Viet Nam (+3.5%) showed growth in national phase entries in 2016

Further information:

2018 PCT Yearly Review

The International Patent System

WIPO Publication No. 901E/2018

World Intellectual Property Indicators 2017

WIPO Publication No. 941E/2017

WIPO IP Statistics Data Center

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