

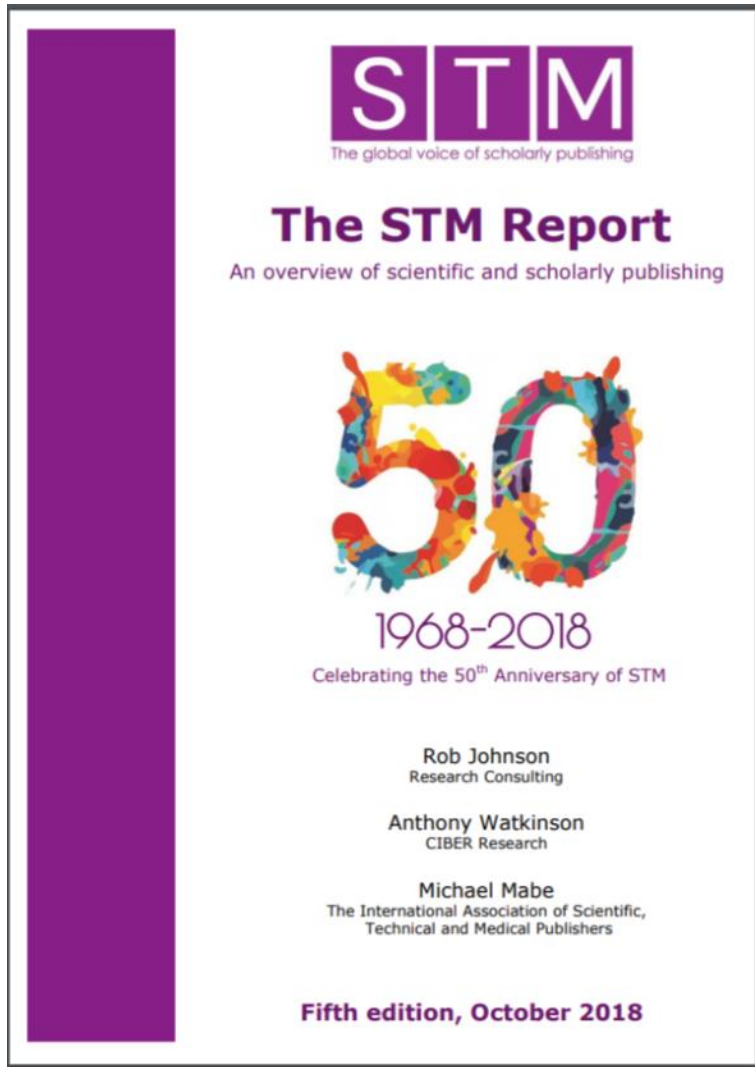


ASIAN FUTURES from the 2018 STM REPORT

Michael Mabe

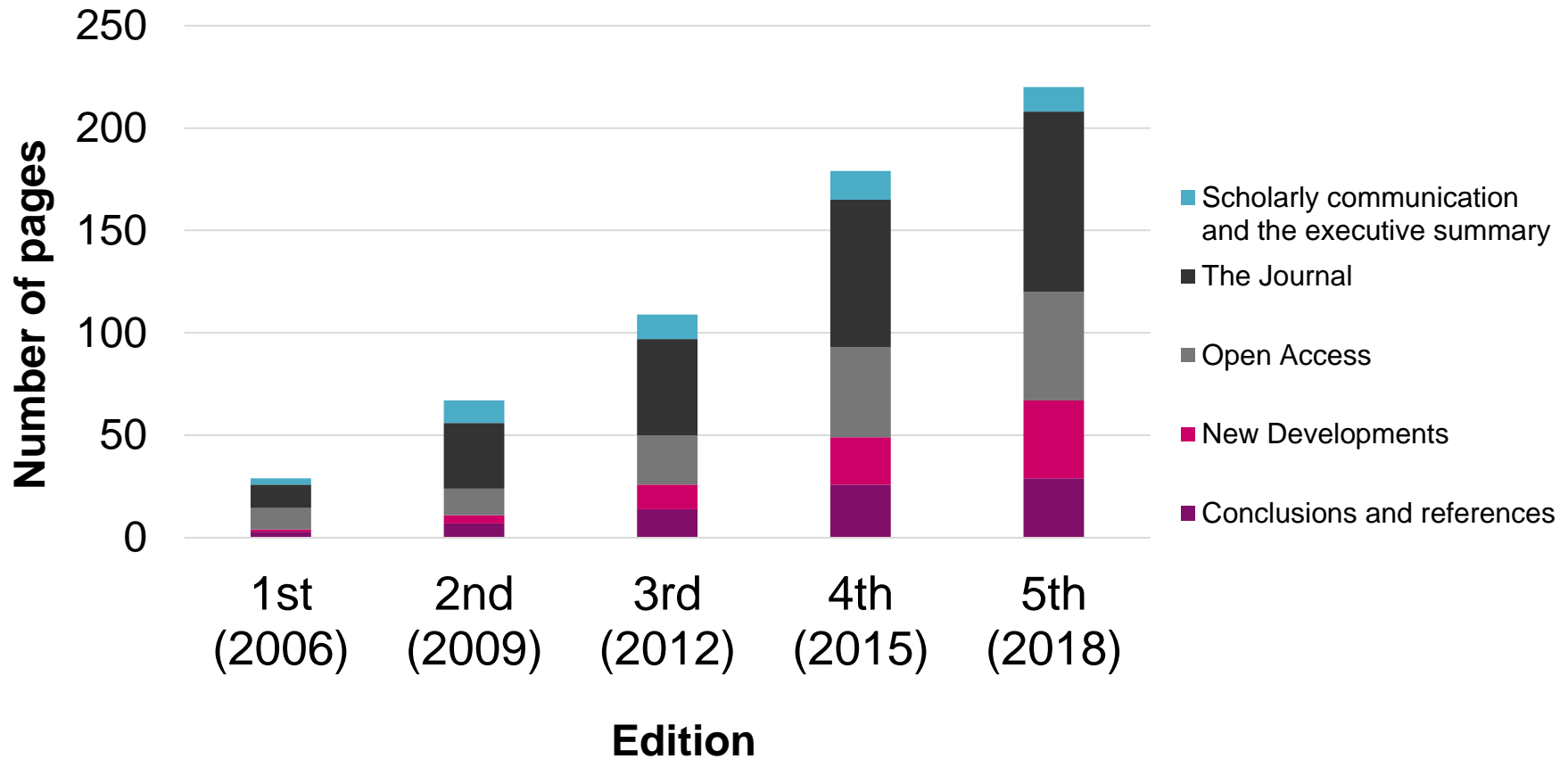
*CEO, International Association of STM
Publishers*

The STM Report

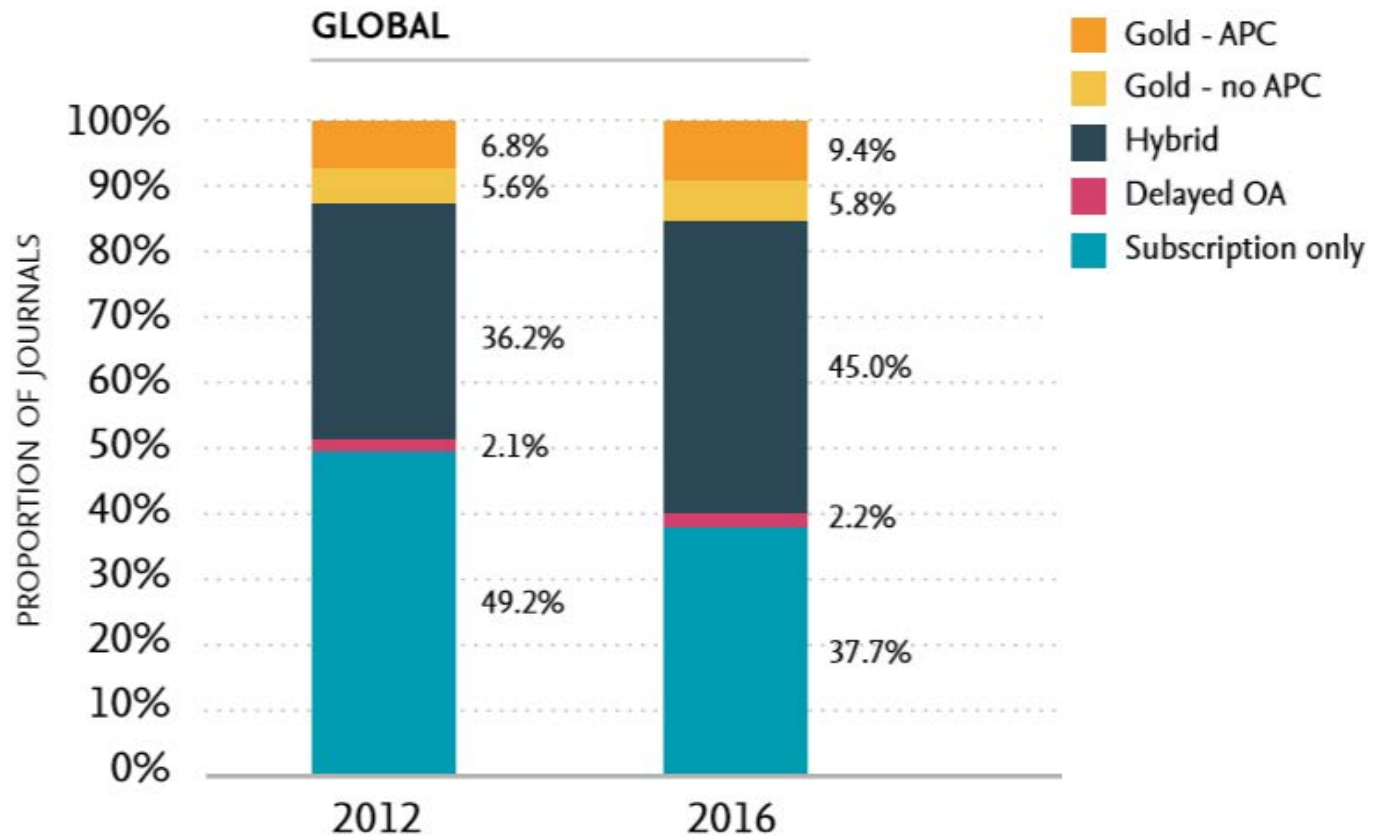


- Published October 2018
- Fifth edition, expanded to 212pp

The development of the STM Report

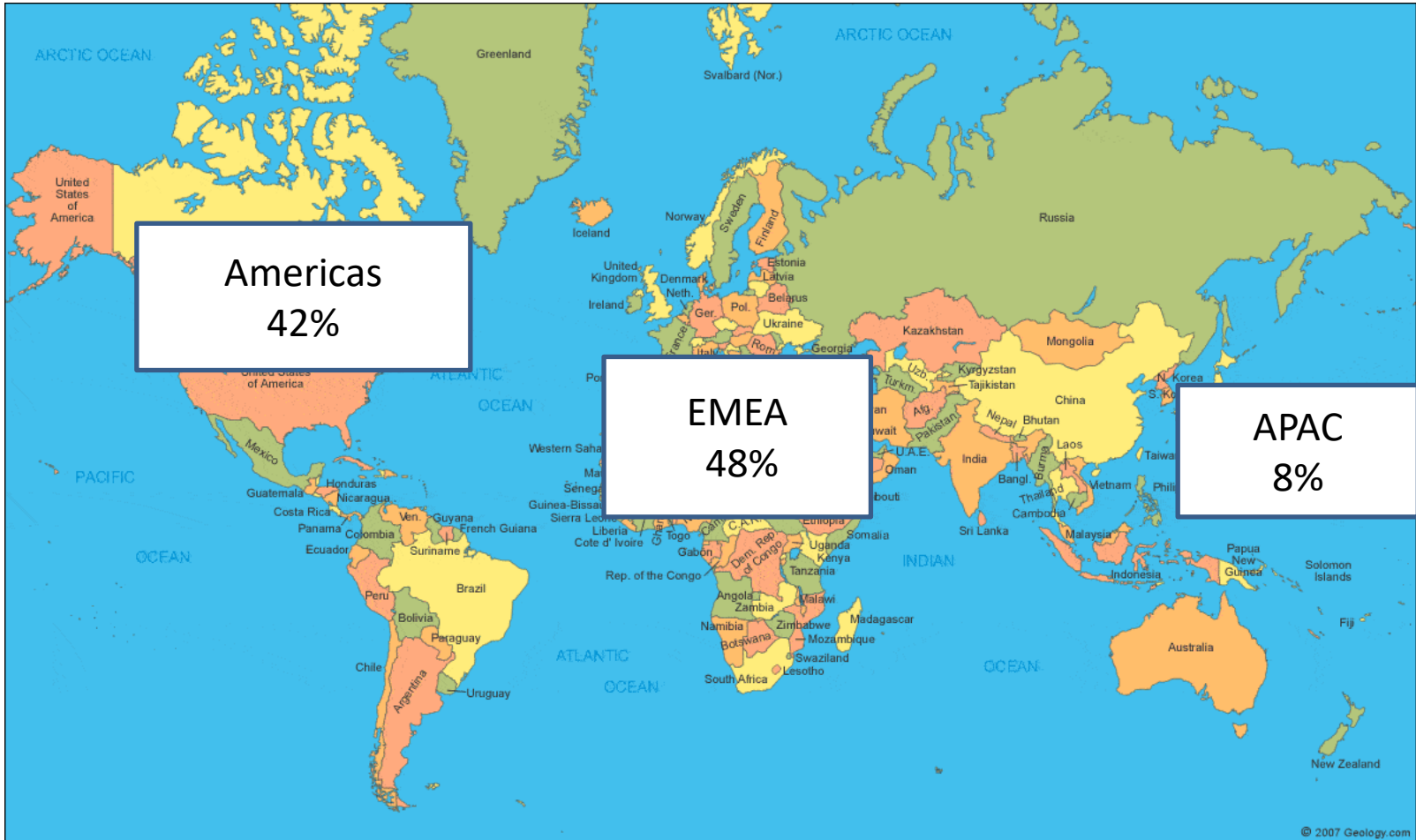


Changes in publishing models

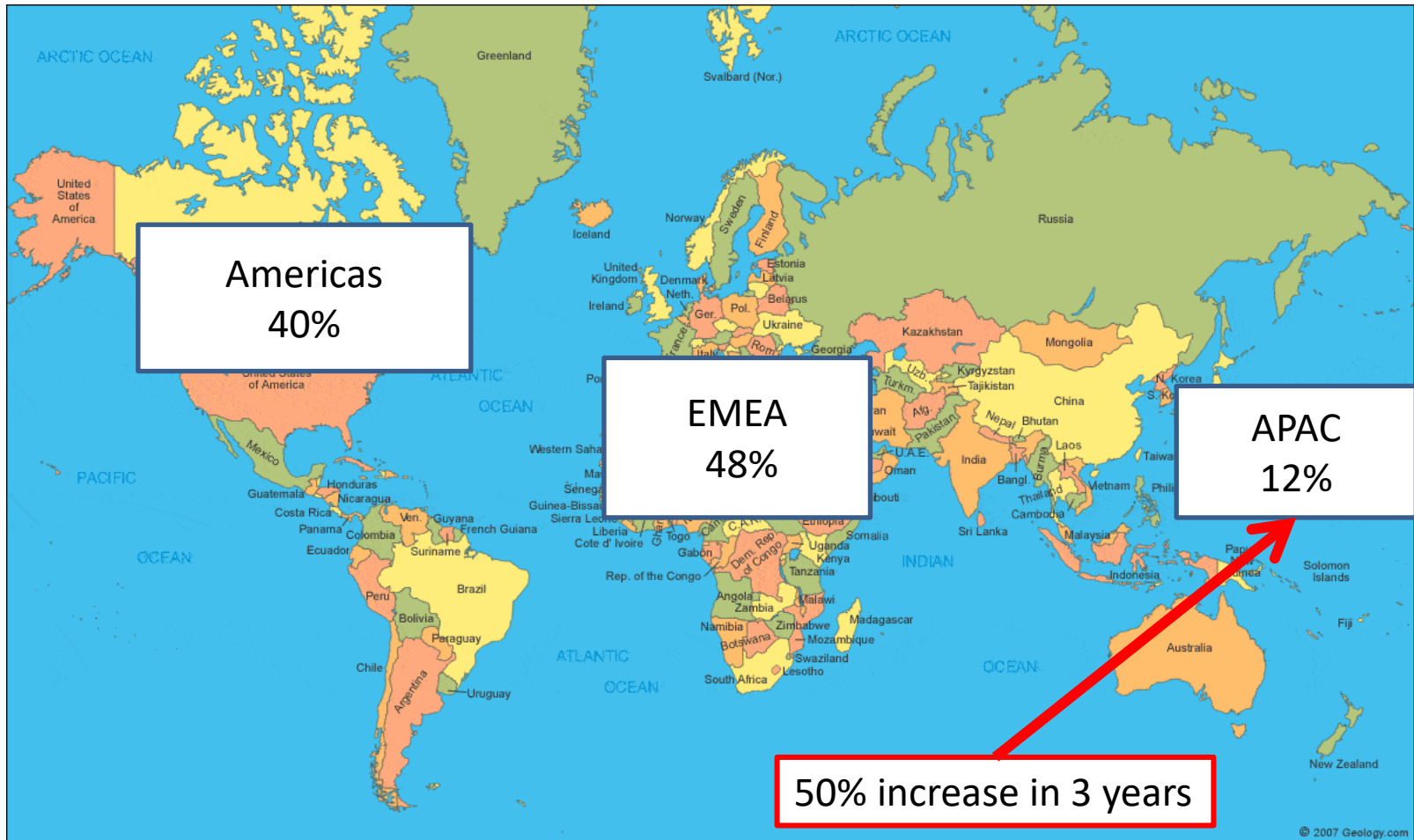


Universities UK (2017). Monitoring the Transition to Open Access. Universities UK, December.

STM Membership 2015



STM Membership 2018



Spending on Content

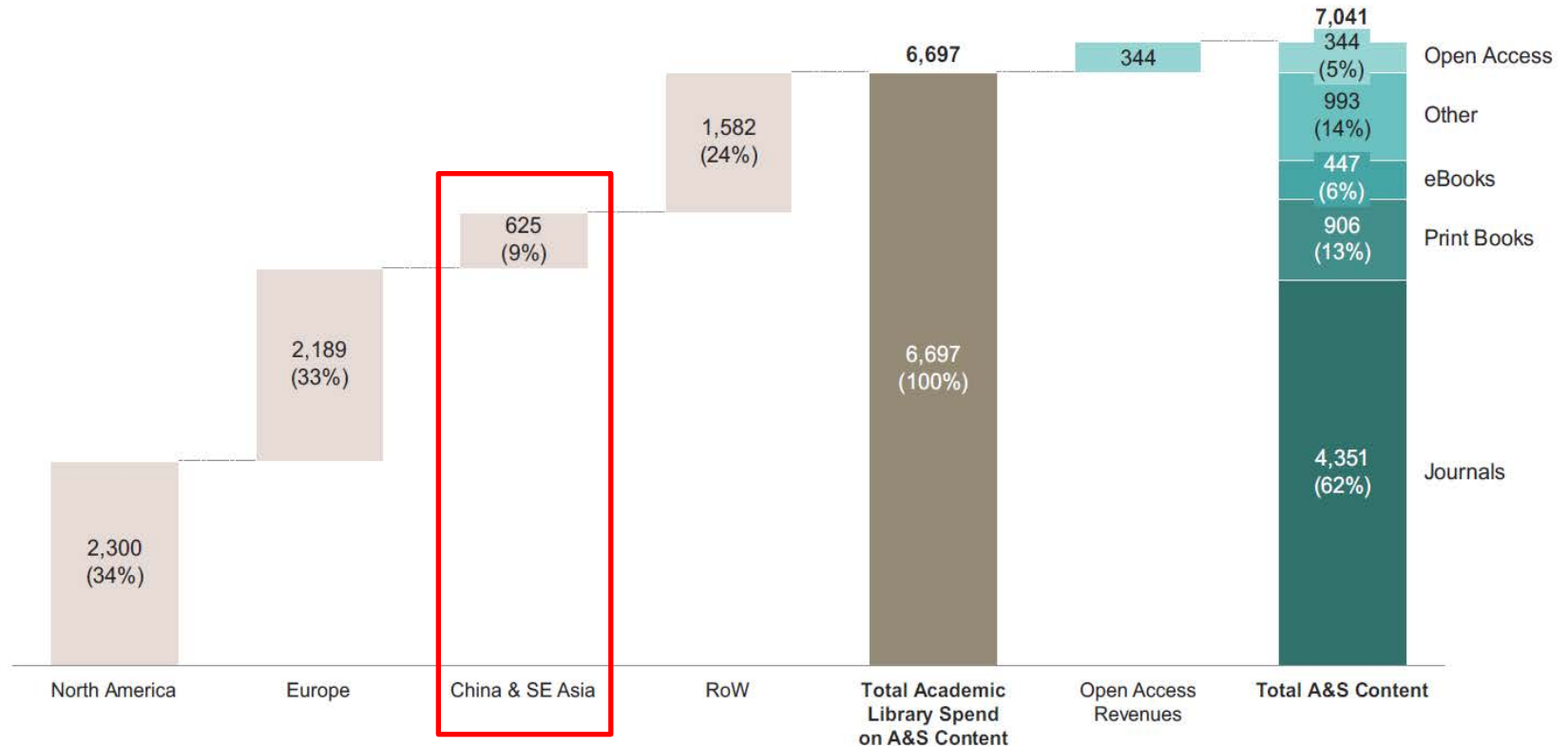
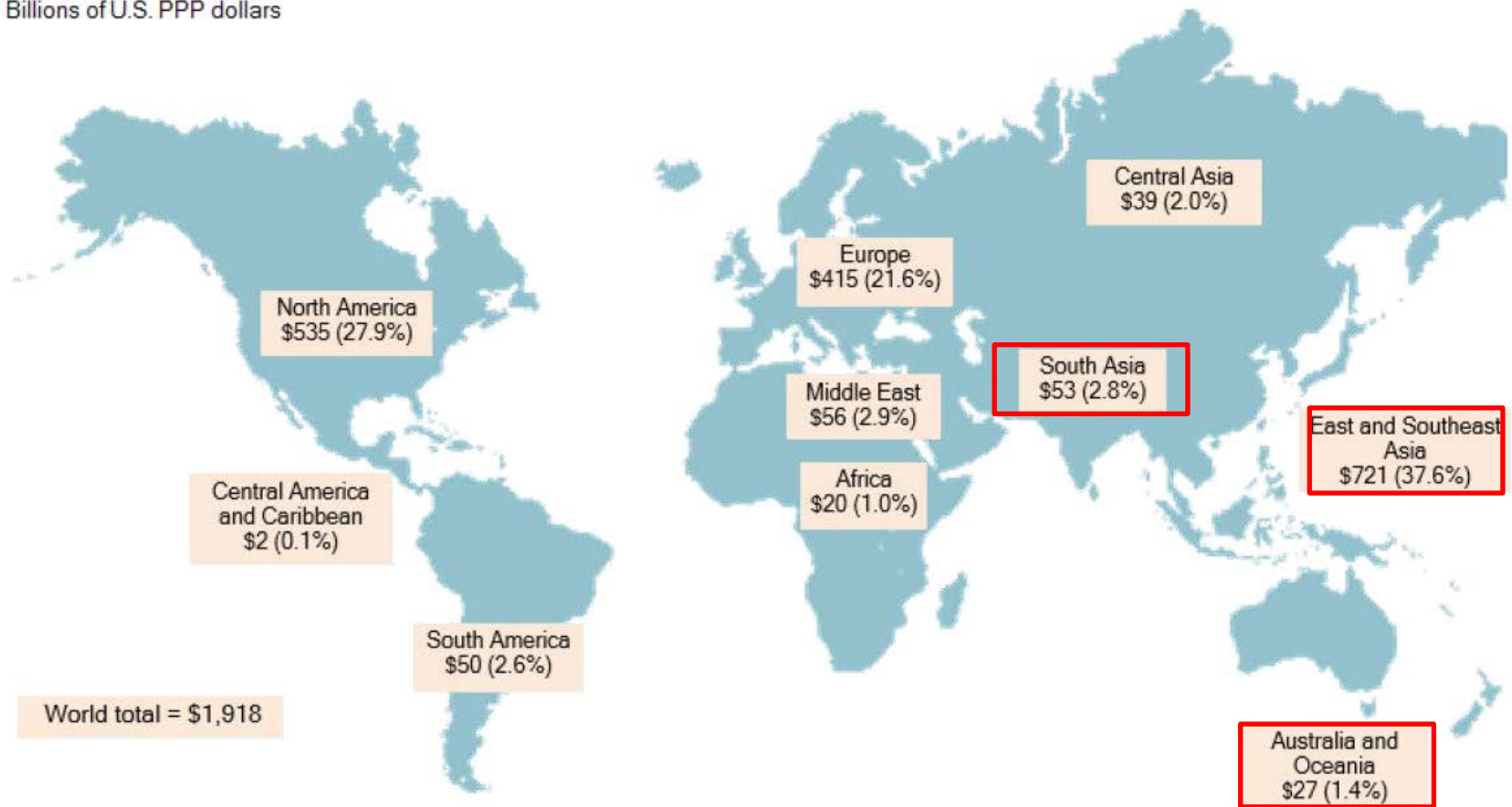


Figure 4: Global spending on academic and scientific content in 2016 by region and product (in € million, of total) (Source: OC&C, cited in SpringerNature 2018)

Global R&D 2015 (SE Indicators 2018)

Global R&D expenditures, by region: 2015

Billions of U.S. PPP dollars



PPP = purchasing power parity.

Article Shares 2010-14

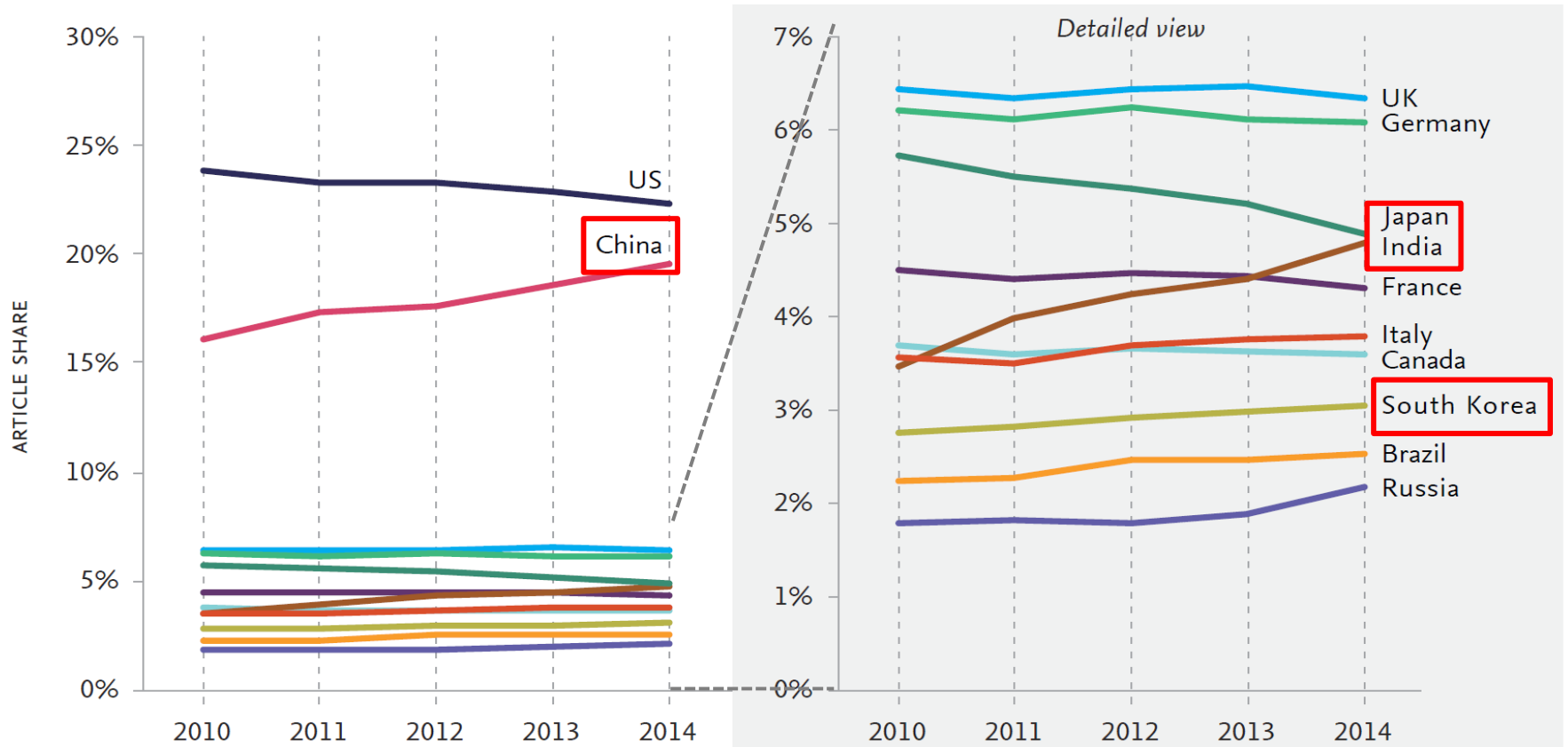


Figure 11: Share of world articles 2010-2014 (Source: Elsevier 2017a)

Article Shares 2006-16

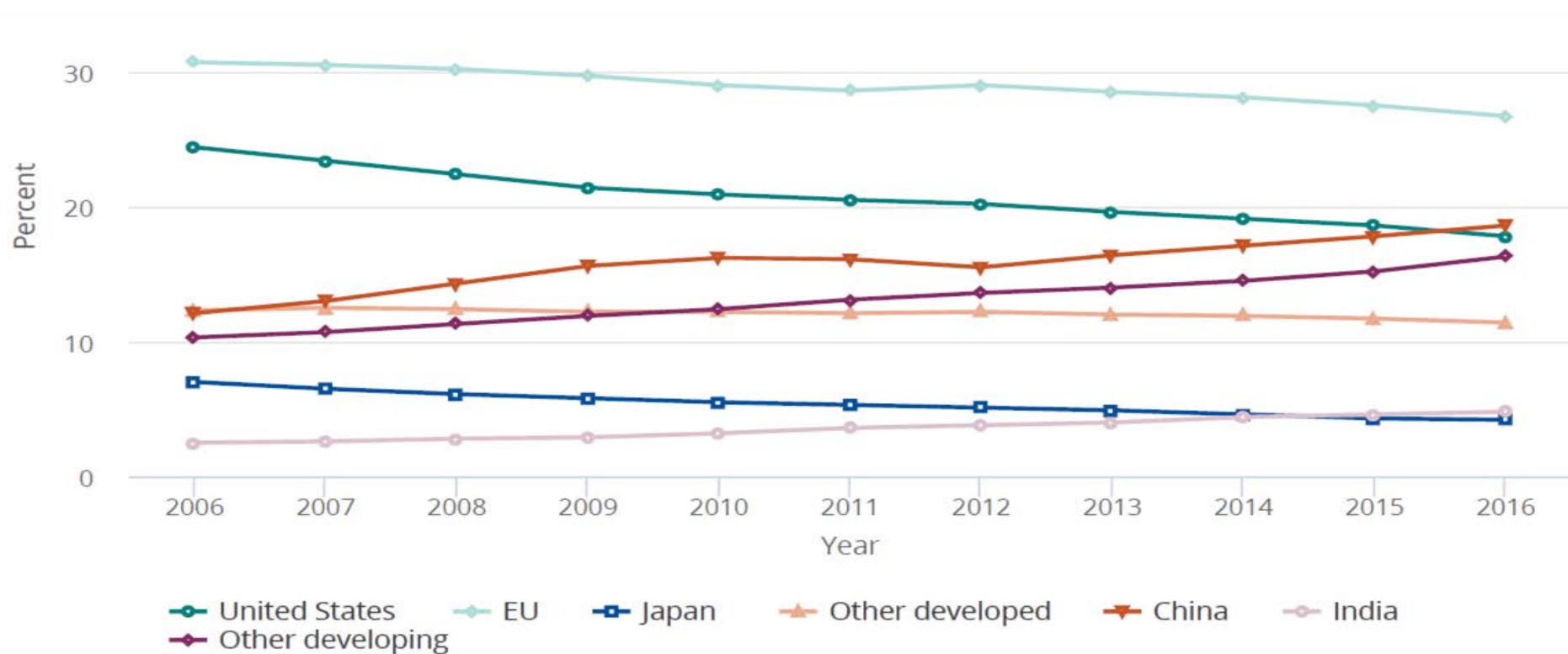
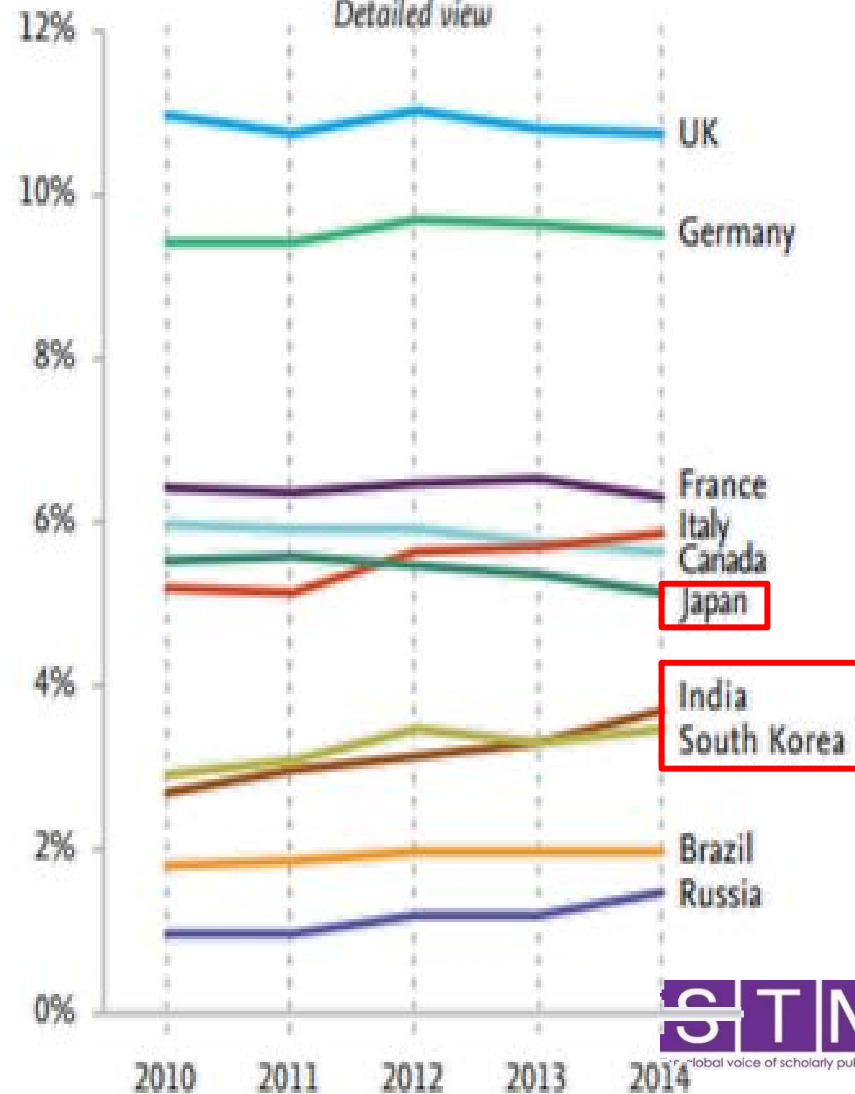
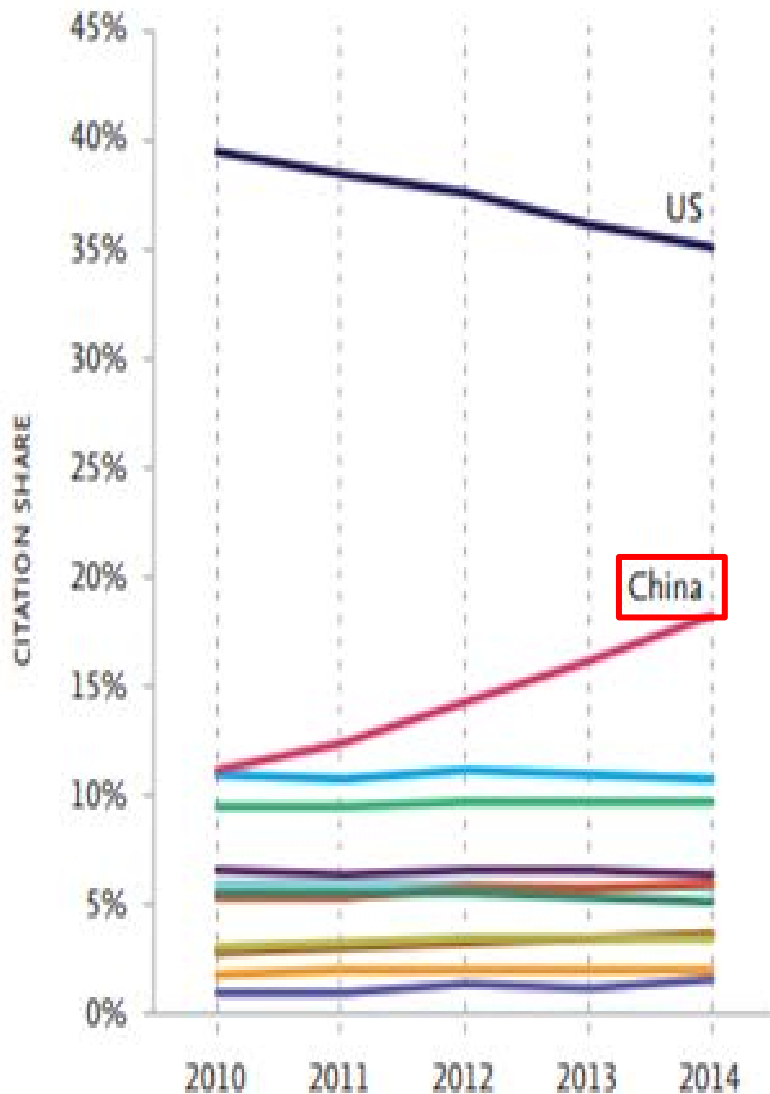


Figure 12: Global shares of article outputs 2006-16 (Source: NSB 2018)

Peer Review Supply & Demand (Publons 2018)



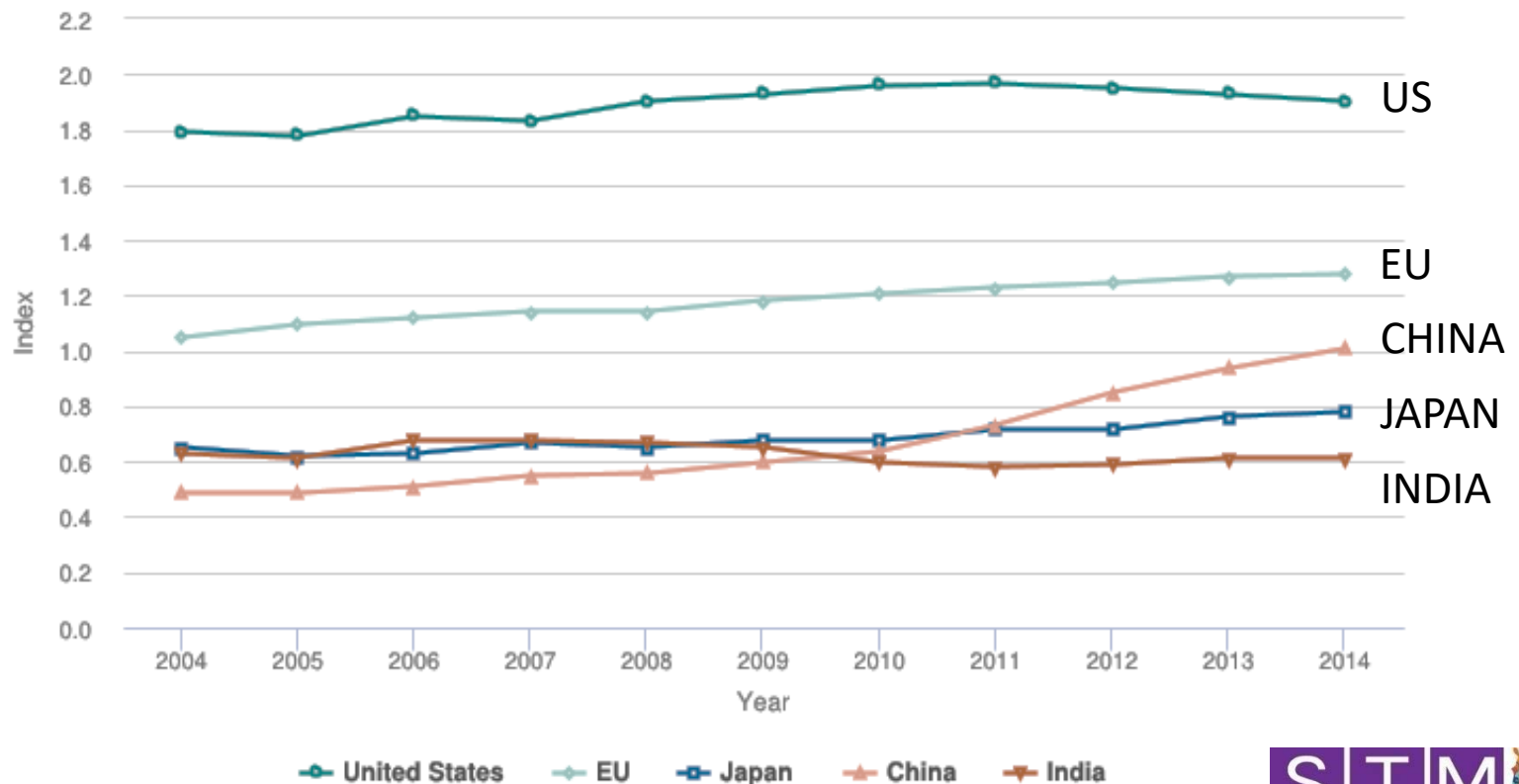
Share of world citations 2010-2014 (Elsevier 2017a)



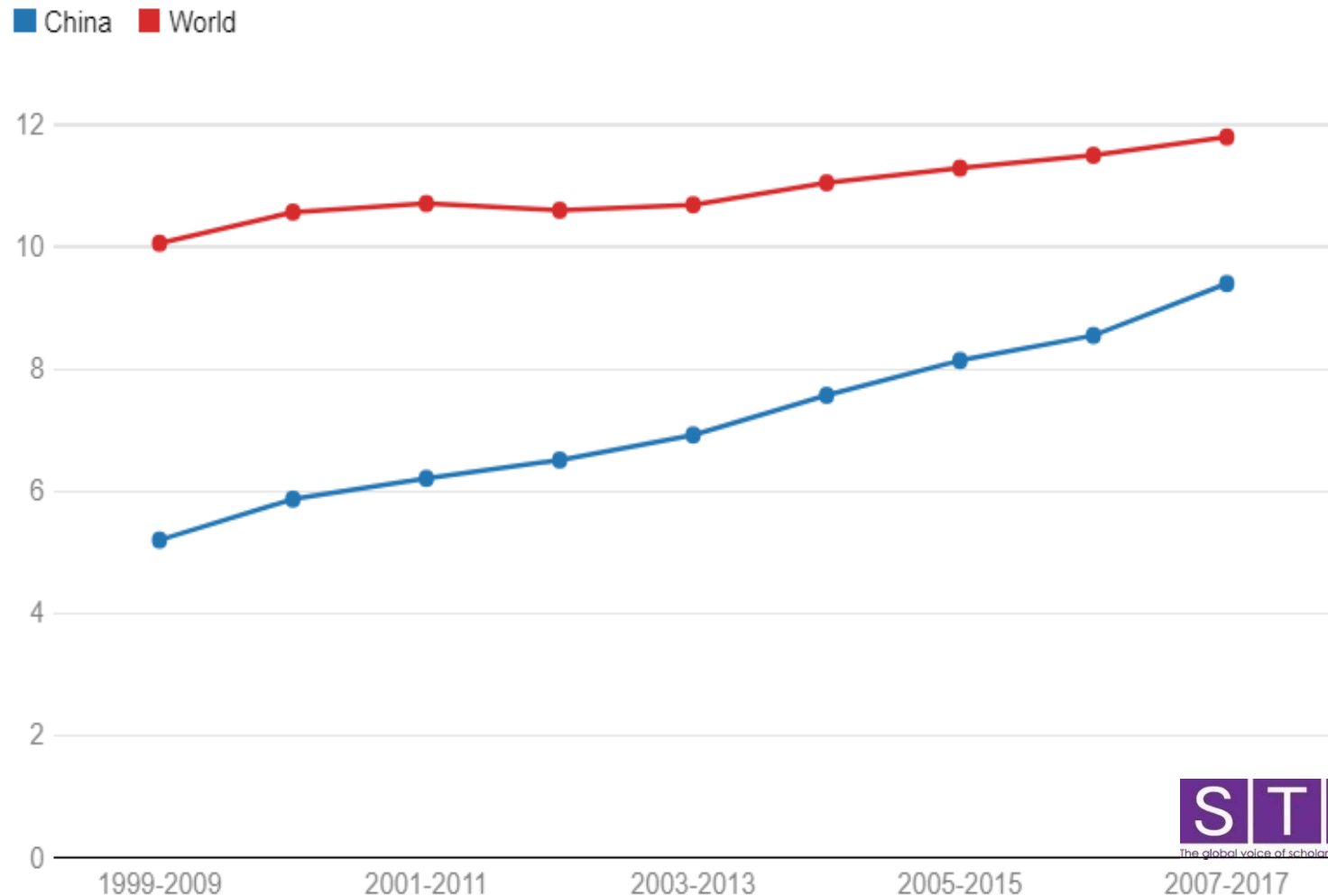
Share of S&E publications in the top 1% of most cited publications 2004–14 (NSB 2018)

Figure 5-30

Share of S&E publications in the top 1% of most cited publications, by selected region, country, or economy: 2004–14

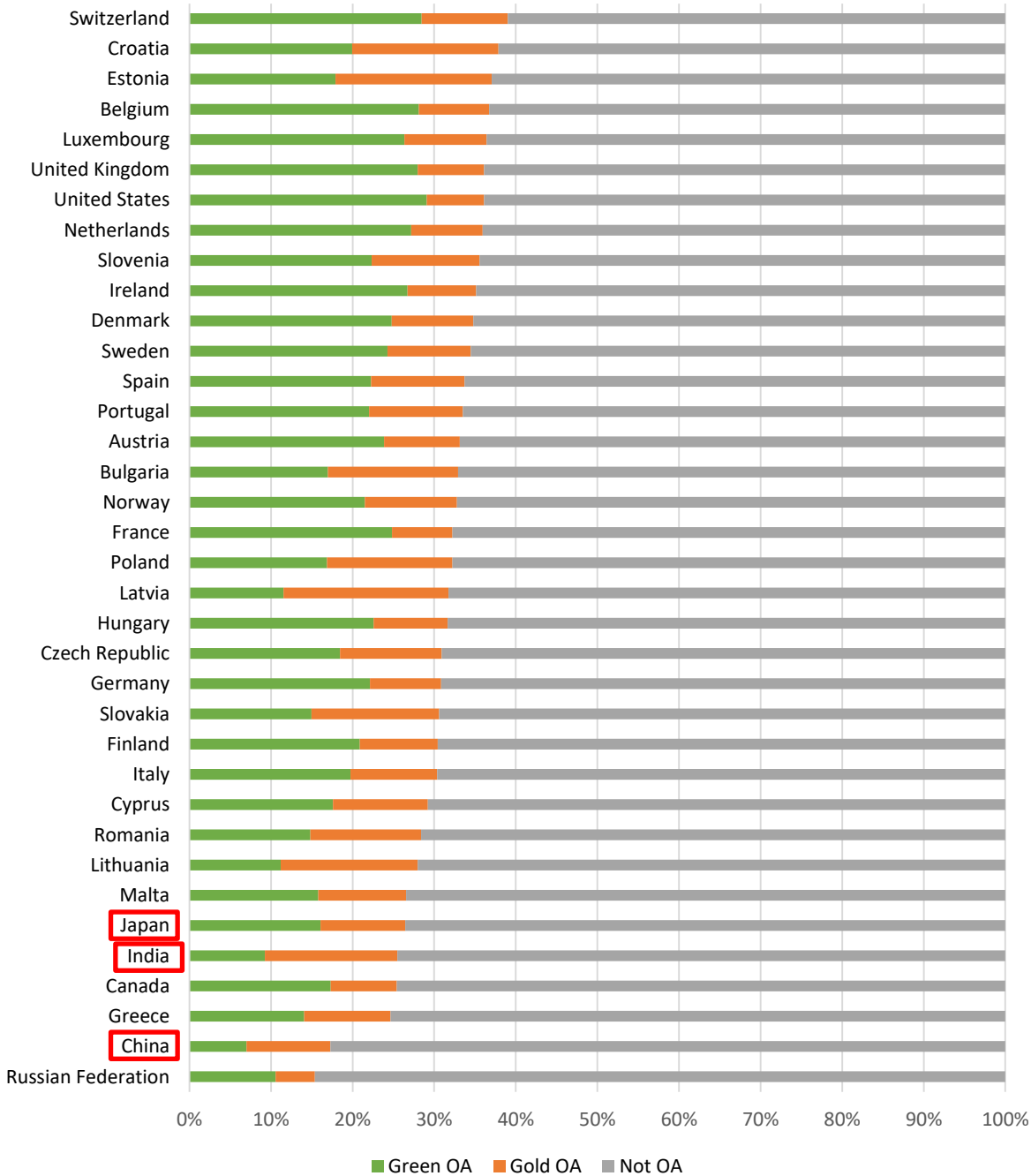


Citation inflation: increase in the average citations per article, for China and the World (Jia et al. 2018)



Percentage OA by Nation

Source:
EC Open Science Monitor,
April 30th 2018)



STM Publishing in China

- CAST (2017) list 5,020 Chinese journals
 - 548 (10.9%) English language
 - Half of these co published with foreign publishers
- Academic publishing highly fragmented
 - 96% of titles are sole title of publisher
- Prices are extremely low and has not attracted many private investors

Open Access in China

- NSFC and CAS mandate deposit into repositories within 12 months (2014)
- CAS developed two portals:
 - Institutional Repository Grid of CAS, 102 repositories
 - China Open Access Journal Portal
- MoST is developing its own OA policy
- Mostly this aligns with US policies but there is support for OA2020
- Main driver is to increase quality and transparency

Summary

- APAC R&D investment is huge (esp. China)
- Has led to rapidly increasing article shares for China and India
- Quality from the region is also improving (esp. from China)
- Severe imbalance in peer review demand and supply (esp. China and India)
- Revenues from APAC lowest at 9% but growing
- OA activity at the lower end of international ranges (so far)



Publishing partners in shaping the research communication
system of the future

Questions?