

Global infrastructure, equal benefits?

Hylke Koers, CIO STM Solutions

**Globalization of the information infrastructure:
challenges and opportunities**

NISO+ 2022

STM Advancing
trusted research

Introducing STM

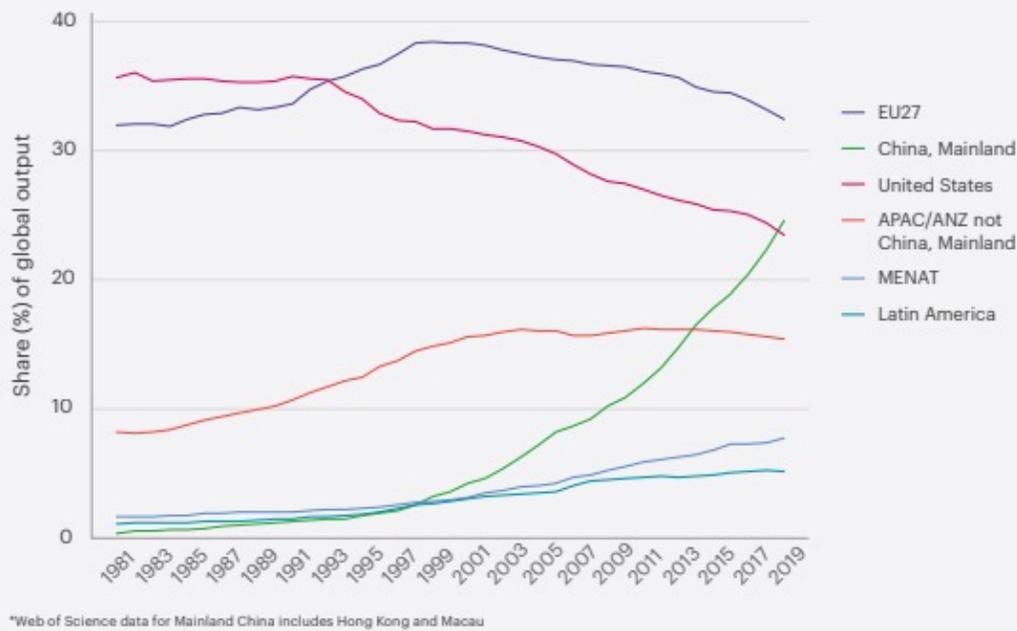
- International Association of Scientific, Technical and Medical Publishers
- Includes academic and professional publishers, learned societies, and university presses; established players as well as start-ups
- Over **140 members**, in over 20 countries around the world, covering **all scholarly disciplines**
- STM members collectively publish **66% of journal articles** and **10,000's of monographs and reference works**
- STM supports its members in advancing **trusted research** worldwide.
- STM works together to serve science and society by developing **standards and technology** to ensure research is of high quality, trustworthy and easy to access

Introducing STM Solutions

- **STM Solutions** is the operational arm of STM, established to develop and manage forward-thinking shared infrastructures and collaborative services to support the scholarly communications community.
- Founded in 2021
- Focus points for 2022:
 - *Research Integrity*
 - *Access: SeamlessAccess, GetFTR, Distributed Usage Logging, Article Sharing Framework*

Research is global.. or is it?

Change in annual regional or national publication output as a percentage of all journal articles and reviews indexed globally in the Web of Science.⁵²

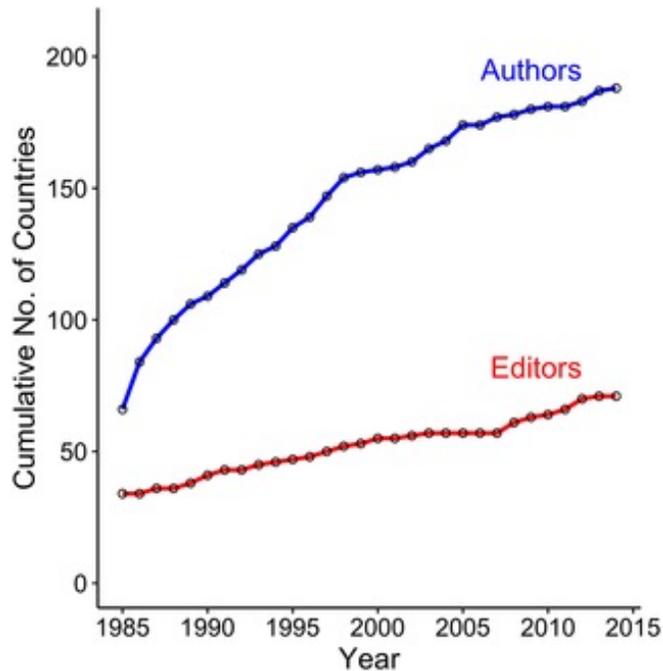


Source: STM Global Brief 2021 – Economics & Market Size

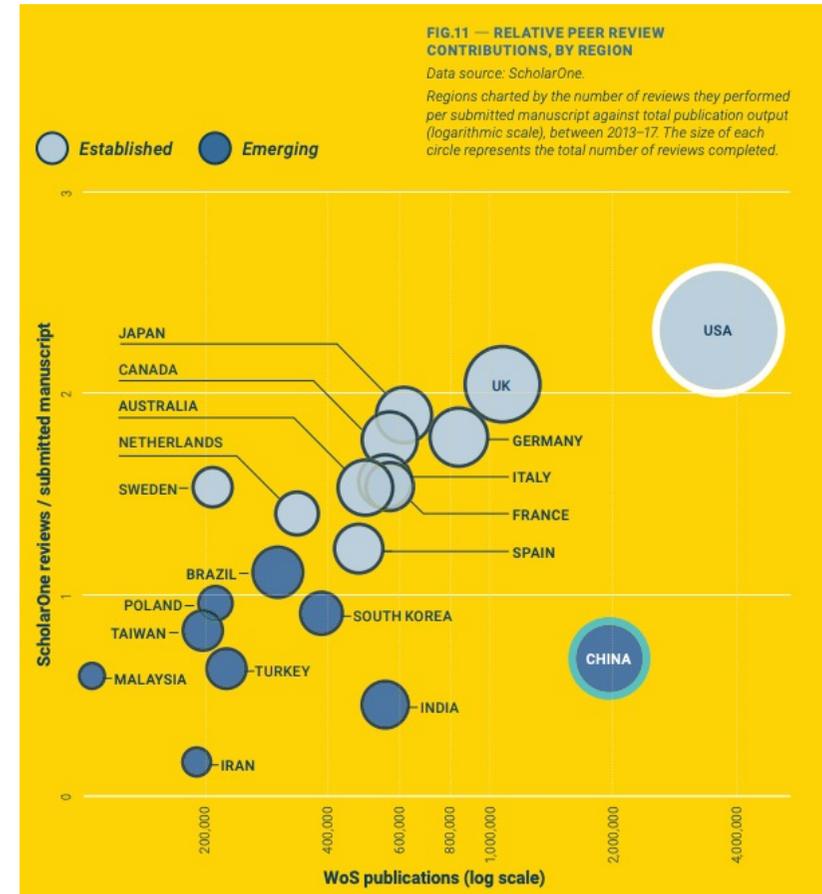
Reproduced from: Jonathan Adams et al., “The Changing Research Landscape of the Middle East, North Africa and Turkey,” *Global Research Report (ISI)*, p3.



Research is global.. or is it?



Source: "A persistent lack of international representation on editorial boards in environmental biology", Espin et al., PLOS Biology 2017 (<https://doi.org/10.1371/journal.pbio.2002760>)

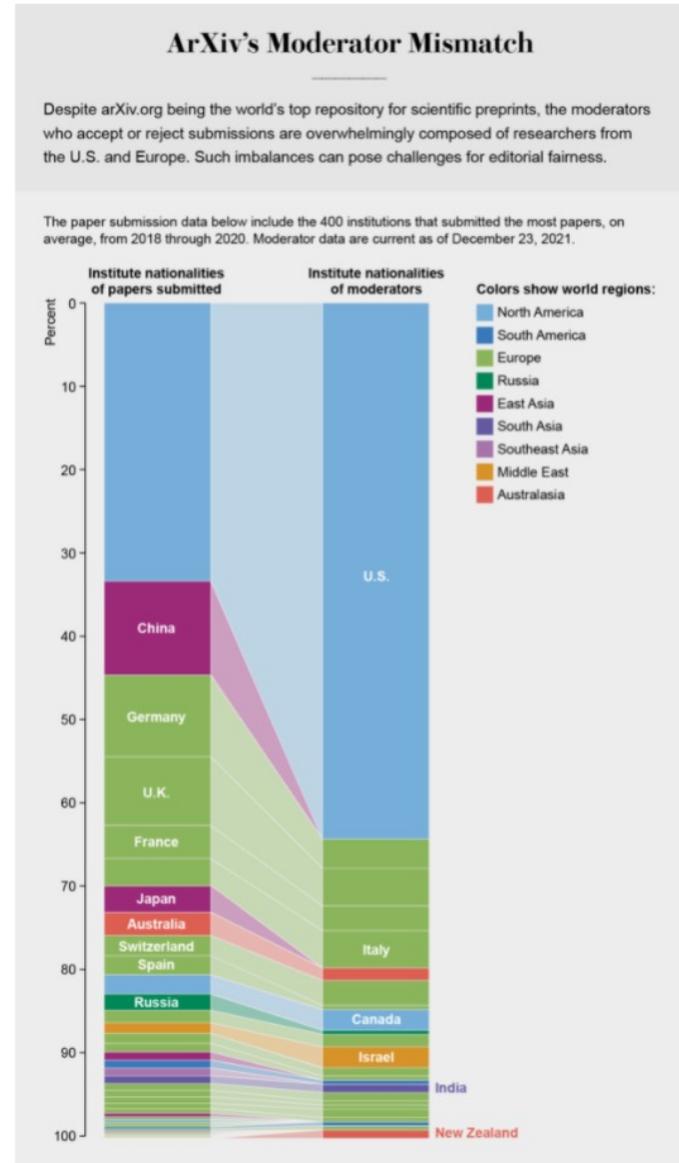


Source: 2018 Global State of Peer Review (Publons)

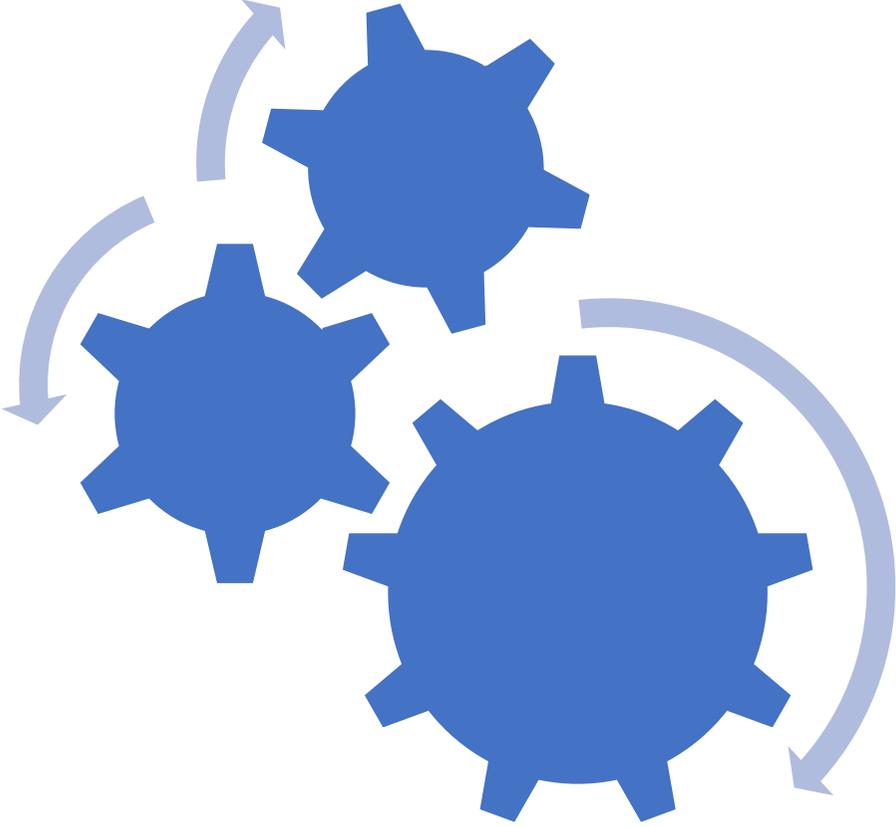
Research is global.. or is it?



Source: "ArXiv.org Reaches a Milestone and a Reckoning", Scientific American, Jan 2022



Research *infrastructure* is global.. or is it?



SeamlessAccess

- Service that streamline the online access experience for researchers
- Supports federated authentication
- Map (illustrative) based on data from IOP publishing

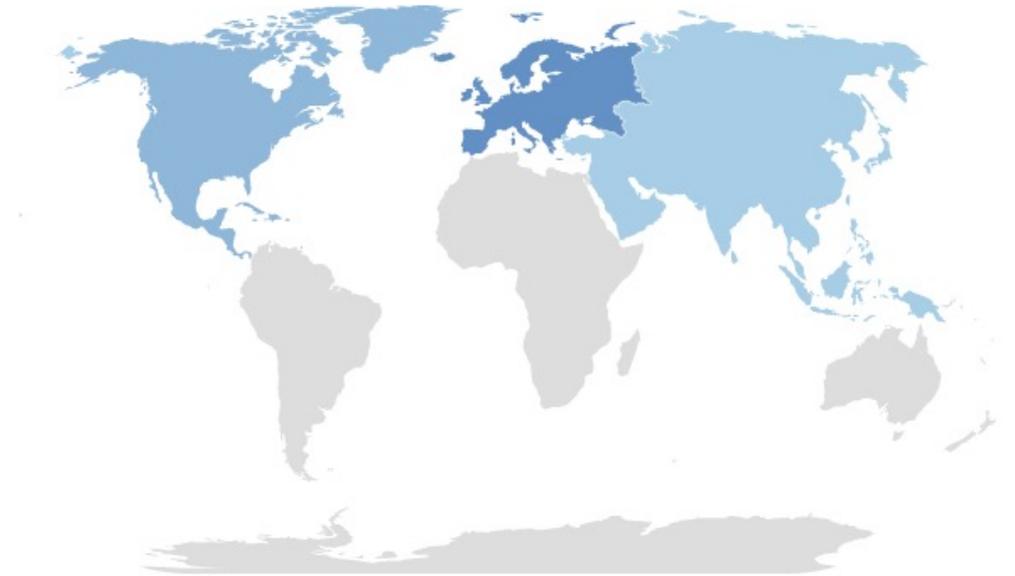
<https://seamlessaccess.org/>

SeamlessAccess button helps the user access content through their institutional log-in:



Usage via Federated Authentication

as % of All Usage
0 10 20



Created with Datawrapper

GetFTR

- Service that accelerates the discovery and access of authoritative, trusted research
- Signals users' entitlements on discovery services and removes friction in the authentication process.

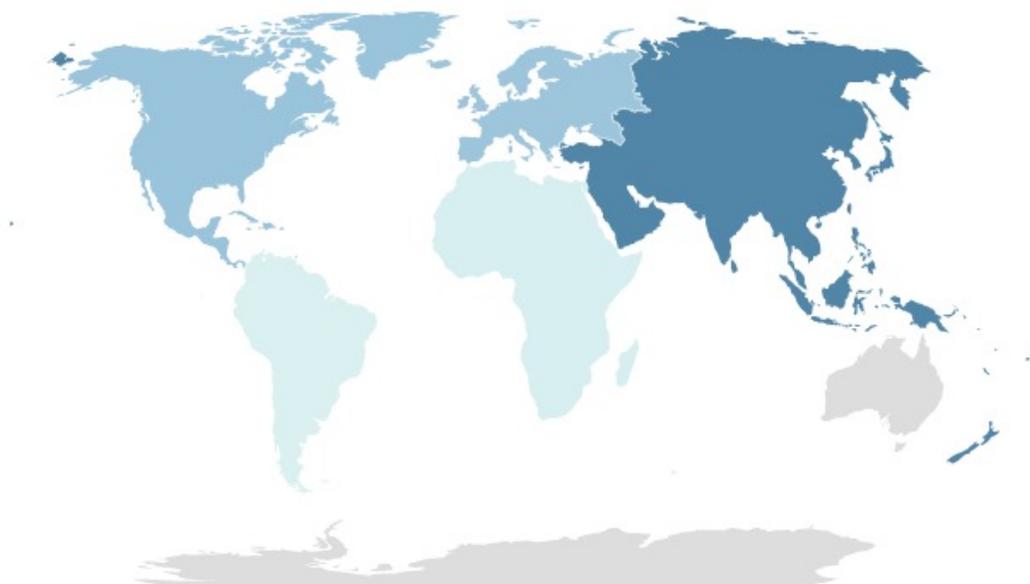
<https://www.getfulltextresearch.com>

GetFTR entitlement signaling helps the user to see which content they are entitled to



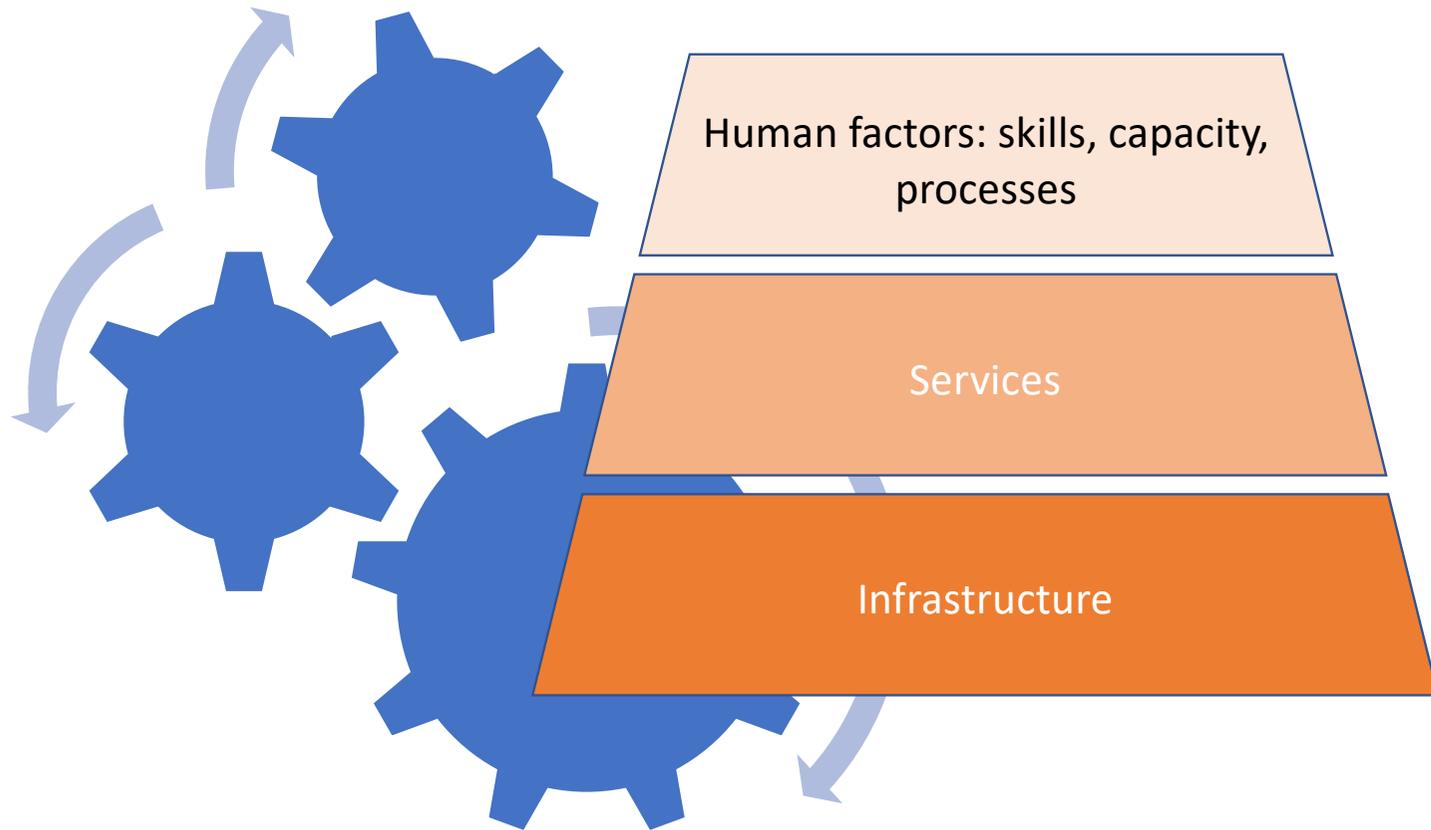
 MIT provides access to this PDF

GetFTR utilisation per region



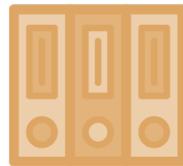
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Research *infrastructure* is global.. or is it?



What is Research4Life?

- Research4Life aims to reduce the knowledge gap between industrialized countries and developing countries by providing **affordable access** to **academic and professional resources**.



**30,000
journals**



**111,000
books**



**120
other resources**

- Launched in 2001, it is now supported by 5 UN agencies, over 160 publishers and a range of other partners

Friends of Research4Life

- Established in 2020 as a fundraising vehicle for Research4Life, to enable expansion and greater impact
- US-based 501(c)(3) charitable organization with an independent governance structure and Board of Directors.
- Inaugural donors have all been publishers or individuals, but donations are welcome from all sources!
- Early focus of fundraising campaigns is on capacity development for librarians and researchers in R4L countries
- For more information, see <https://friendsofresearch4life.org/>