

10 years of SCOAP³:

SCOAP3, Open Science global partnership, challenges and opportunities

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What is SCOAP³?

- * Sponsoring Consortium for Open Access Publishing in Particle Physics
- * Mission:
 - SCOAP³ enables open access publishing in the field of high-energy physics, helping to remove financial and administrative barriers to science
- * International collaboration launched in 2014
- * Partnership consisting of 3000+ libraries, research institutions and international research organizations from 47 countries
- * 11 of the leading journals in the discipline of high energy physics

SCOAP³ Timeline

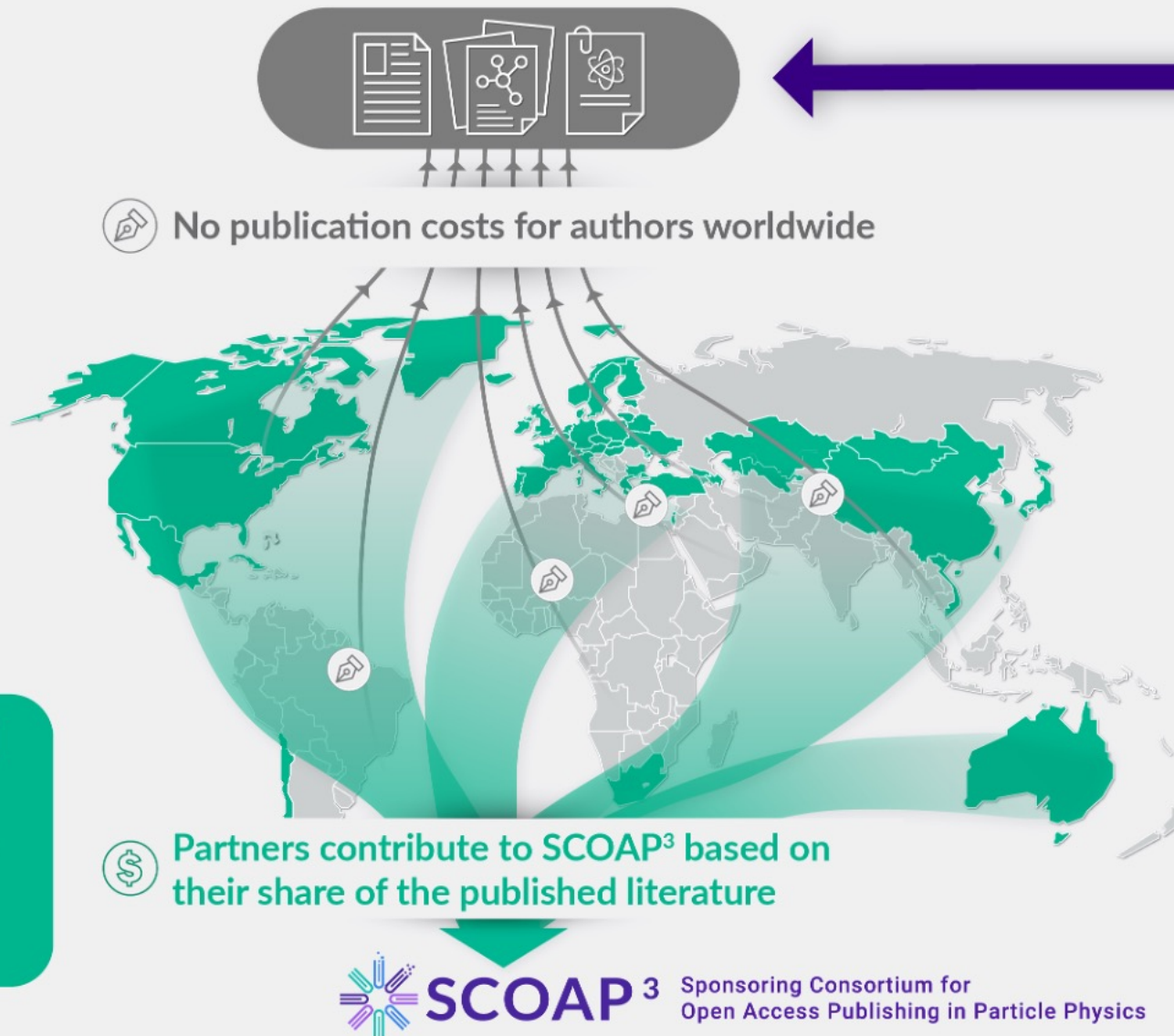


The SCOAP³ Model: How It Works

SCOAP³ centrally underwrites Open Access to research in high-energy physics, enabling free publishing, global access, and re-use

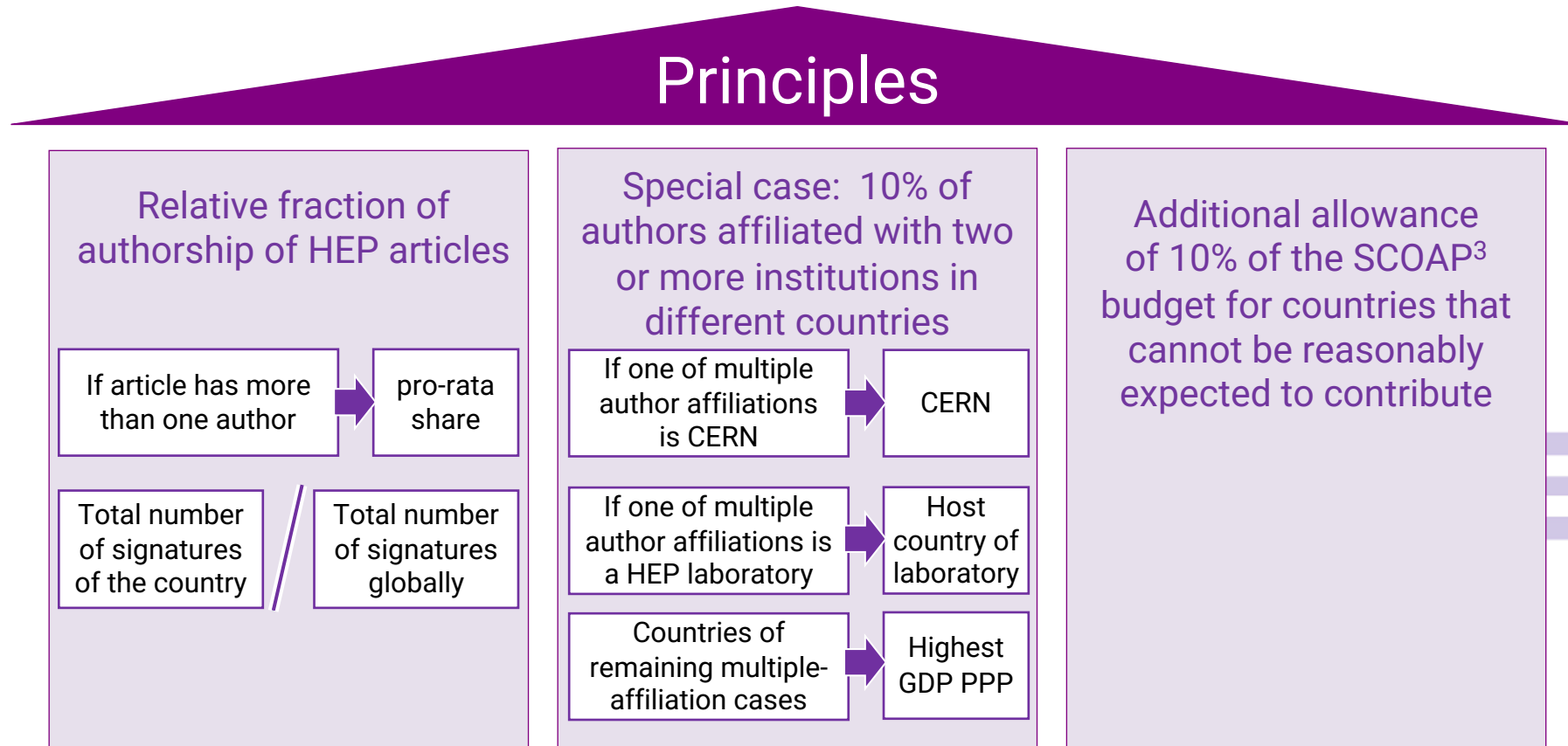


Everyone around the world can access and reuse any SCOAP³ article for free



Join **SCOAP³**
Open up **high-energy physics** to the world
scoap3.org

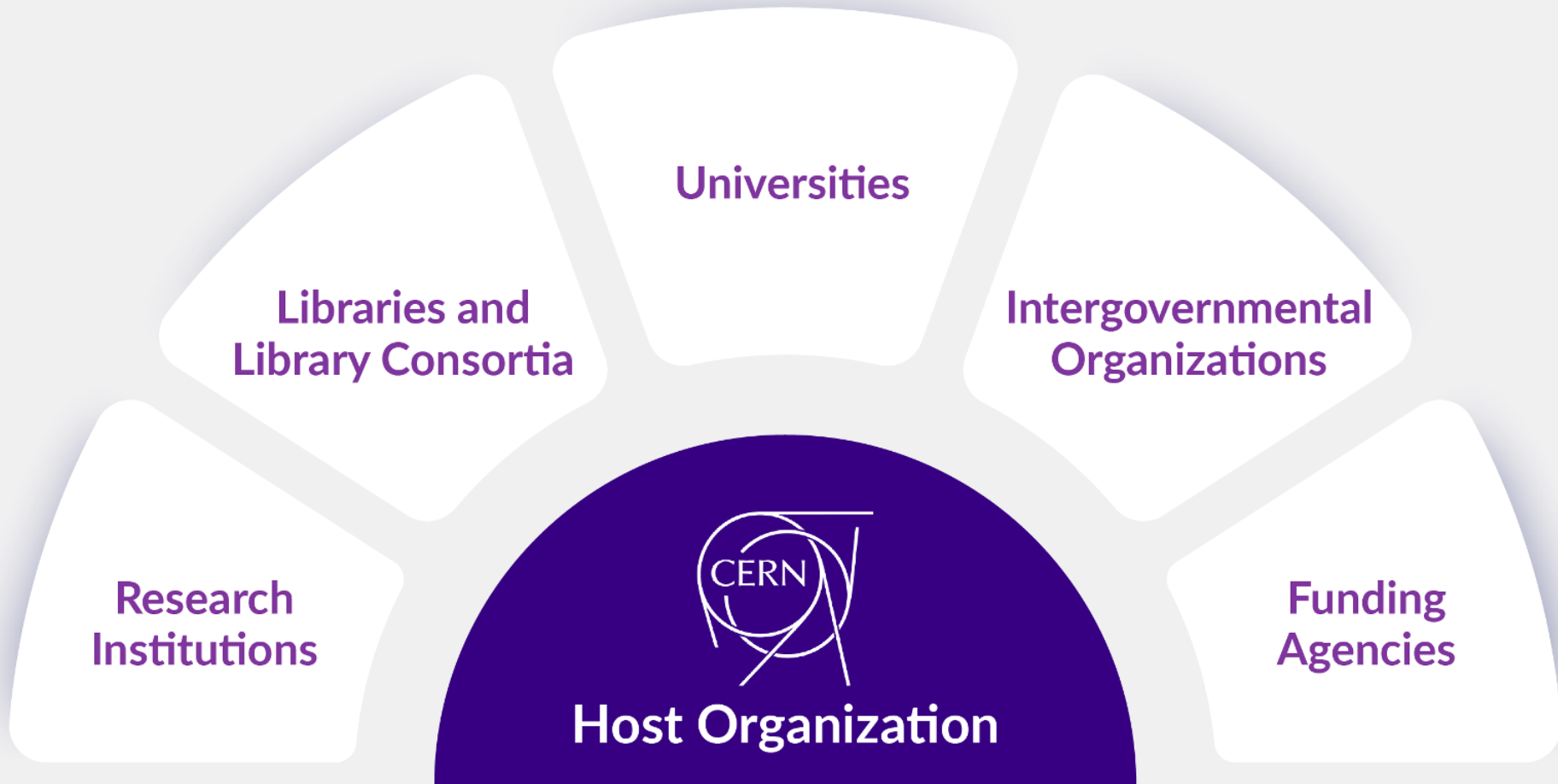
Calculating equitable partner contributions, i.e. “Fair Share”



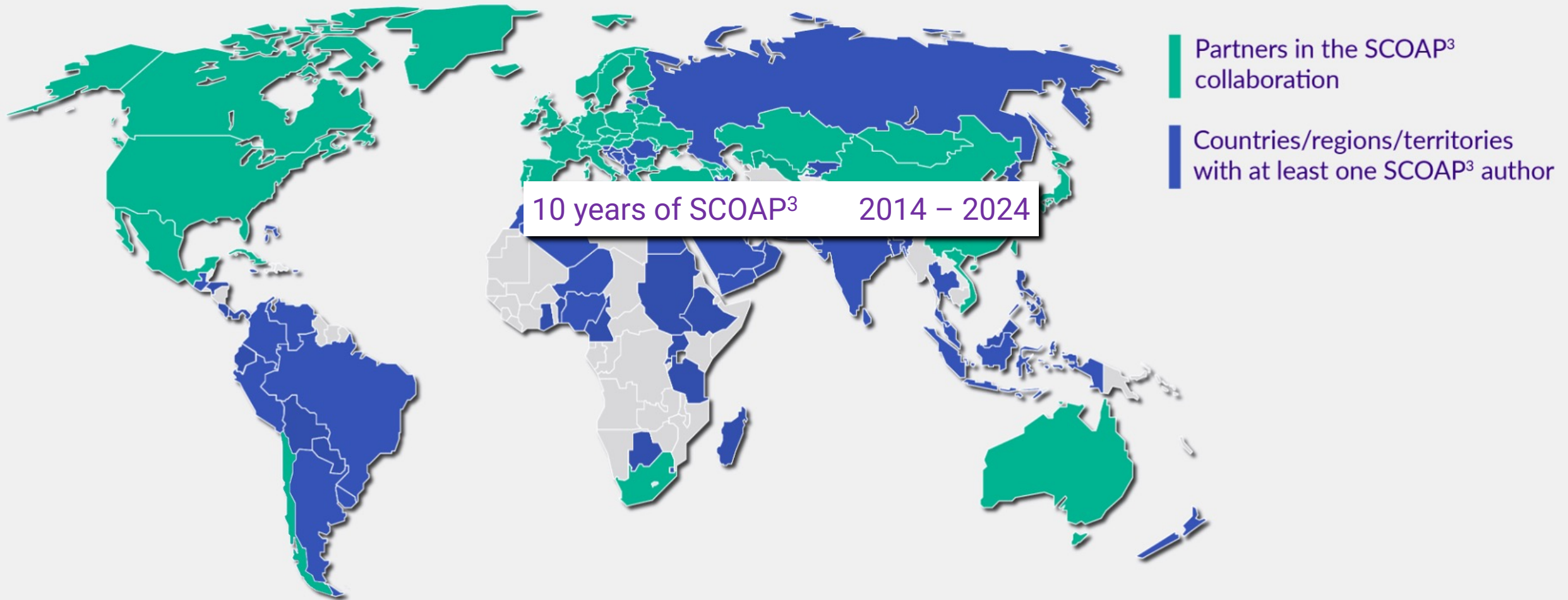
E.g.: L. Pavarotti (IT), W.A. Mozart (GR, AT), G. Gershwin (USA, CERN) → 1/3 IT; 1/3 AT; 1/3 CERN

SCOAP³ Governance

A global consortium with participatory governance operated by CERN

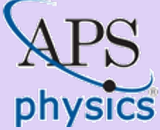










International Participation

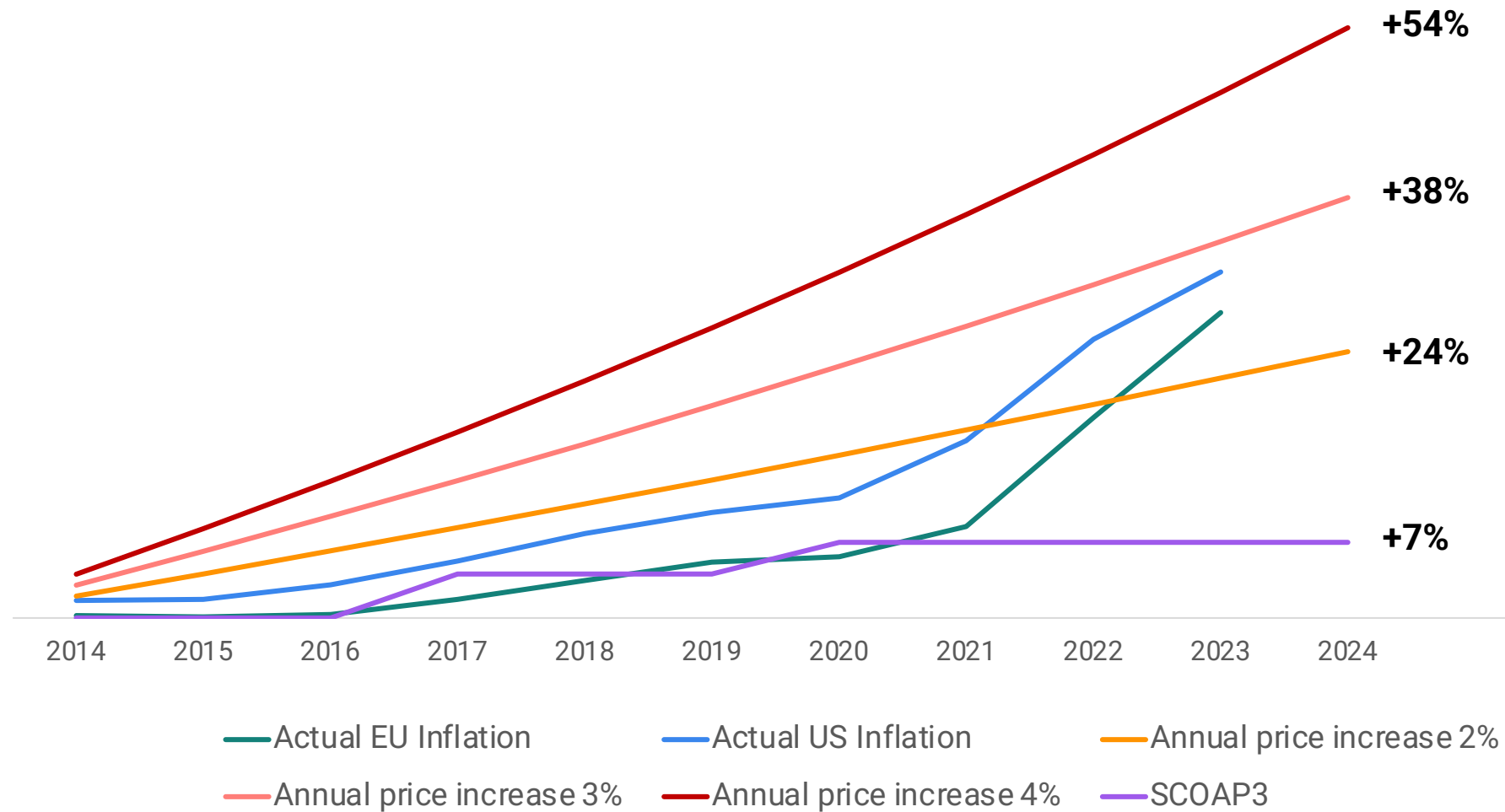


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First 10 years (2014-2023): 62,560 articles funded (90+ % of all HEP)

Publisher	Journal	Articles
 Joined in 2018	Physical Review C	516
	Physical Review D	13,076
	Physical Review Letters	8,263
	Nuclear Physics B	3,060
	Physics Letters B	8,263
	Advances in High Energy Physics	1,120
 until 2017	Chinese Physics C	740
	New Journal of Physics	25
	J. Cosm. and Astroparticle Physics	654
	Acta Physica Polonica B	165
 	Progress of Theor. and Exp. Physics	841
 	European Physical Journal C	9,500
	J. High Energy Physics	22,949

...allows stable prices for SCOAP³ partners



A few reflections about SCOAP³

- ✱ Why has SCOAP³ not been replicated?
 - Benefited from an existing OA culture in High Energy Physics
 - High organizing costs of global collective (borne by CERN in SCOAP³)
 - But it inspired other OA initiatives, proof that a large-scale transition is possible
- ✱ SCOAP³ potentially created barriers to new outlets in discipline
 - Ease of publishing for global authors may prevent authors publishing in alternate journals
- ✱ Is SCOAP³ even needed?
 - Prevalence of preprint culture may make OA publishing redundant
 - How will it be to publish scientific research in the future?

Phase 4 of SCOAP³: from Open Access to Open Science

- * Disciplinary OA has been achieved and sustained for a decade
- * No new journals are to be considered for inclusion
- * Mechanism to financially incentivize publishers on delivery of Open Science Elements that situate publications in HEP more readily for OS future
 - Adjustment of financial compensation to publishers
 - Based on comparative scoring performance with other SCOAP3 publishers
 - Pioneering OS elements leading to better service quality and innovative compensation mechanism

Open Science Elements

Open Science Elements	Definition
Accessibility	Removing barriers to accessing content for people with disabilities by following WCAG guidelines.
Dataset Linking	Enabling linking between articles and related datasets; improve/incentivize publishing of data as supplementary material associated with publications
Transparent Peer Review	Offer open or public peer-review services which provide both authors and reviewers options to publish peer-review reports
ORCID adoption	Integrate ORCID submission for all (co)authors into the publishing process and ensure systematic distribution of ORCIDs in subsequent metadata feeds
ROR adoption	Integrate ROR submission for institutional identification into the publishing process and ensure systematic distribution of RORs in subsequent metadata feeds
SCOAP ³ Community Values Disclosures	Provide transparent statements on core business practices related to defined community values (see next slide)
Software Linking	Enabling linking between articles and related research software; improve/incentivize publishing of software as supplementary material associated with publications
Standardized metadata provision	Provide enriched article metadata in a consistent, standardized, community-determined format; include abstracts and references

Open Science Elements (cont'd)

Open Science Element	Values
SCOAP ³ Community Values Disclosures	Diversity, Equity & Inclusion: in aspects ranging from the profile of authors/first-time submitters; diversity in career stages; geographical diversity (in publishing and editorial practices); gender equity; etc.
	Sustainability: adopting practices to reduce their carbon emissions and address sustainability issues within their operations towards becoming net-zero businesses.
	Data Privacy: adopting practices to protect the privacy of users consistent with the European Union’s General Data Protection Regulation (GDPR).
	Financial Transparency: engaging in emerging price transparency frameworks.
	Referee Recognition/Compensation: demonstrating transparency in how the work of referees is acknowledged/ recognized/compensated.
	Publication transparency: publication of journal metrics such as acceptance rates and desk rejection rates

SCOAP³ for Books Model

How does it work?






SCOAP³ for Books

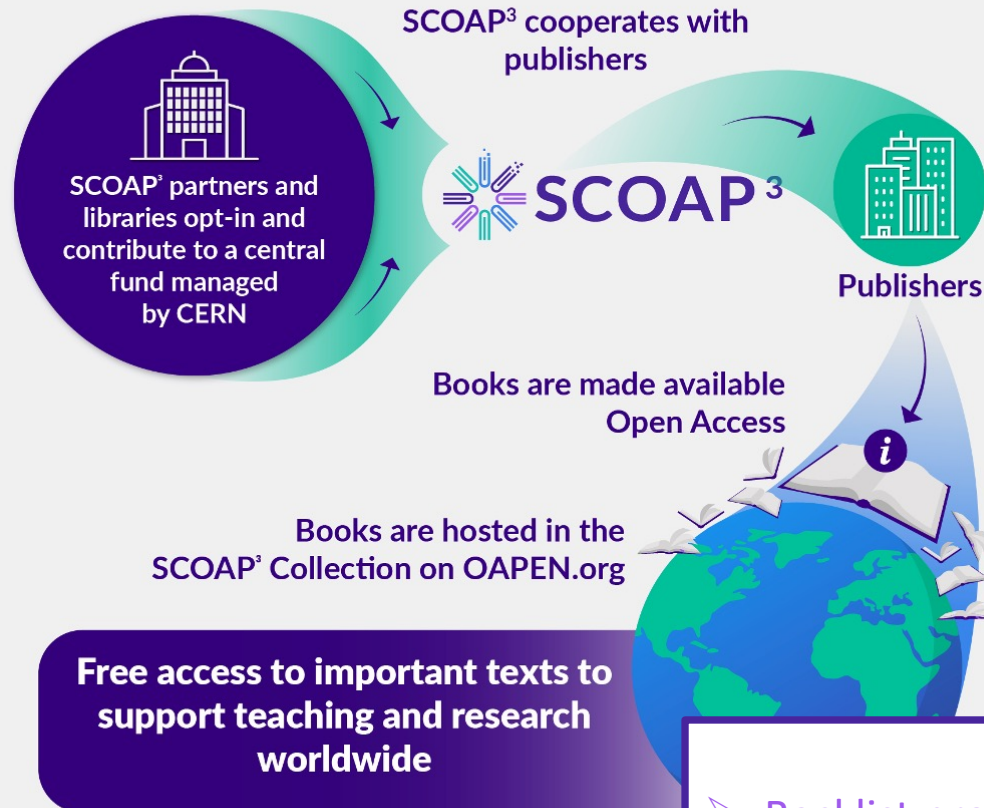
from the Sponsoring Consortium for
Open Access Publishing in Particle Physics



SCOAP³ for Books
is an initiative to transition
key monographs and
textbooks relevant to
high-energy physics to
Open Access

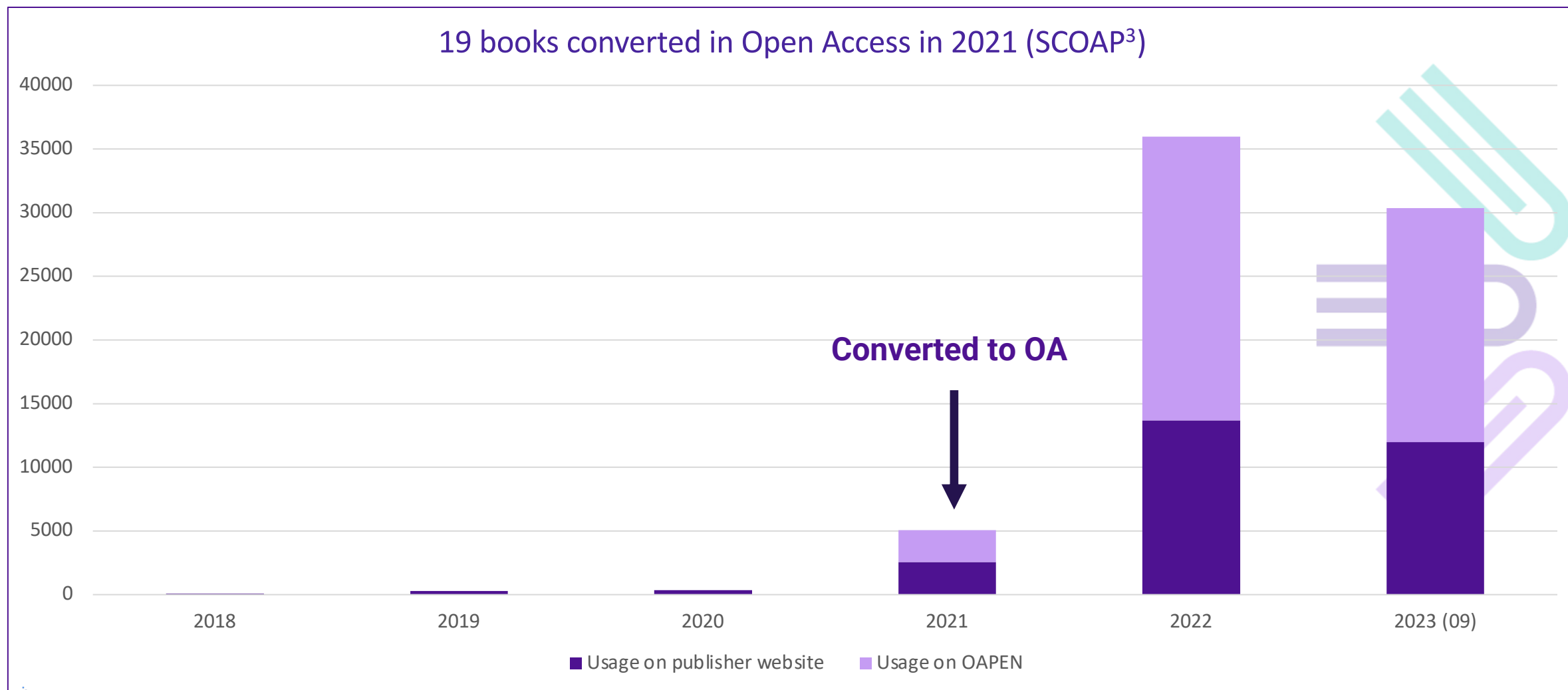
Coverage includes:

-  Theoretical and experimental particle physics
-  Instrumentation (detectors, accelerators, etc.)
-  Cosmology, mathematics and history of physics

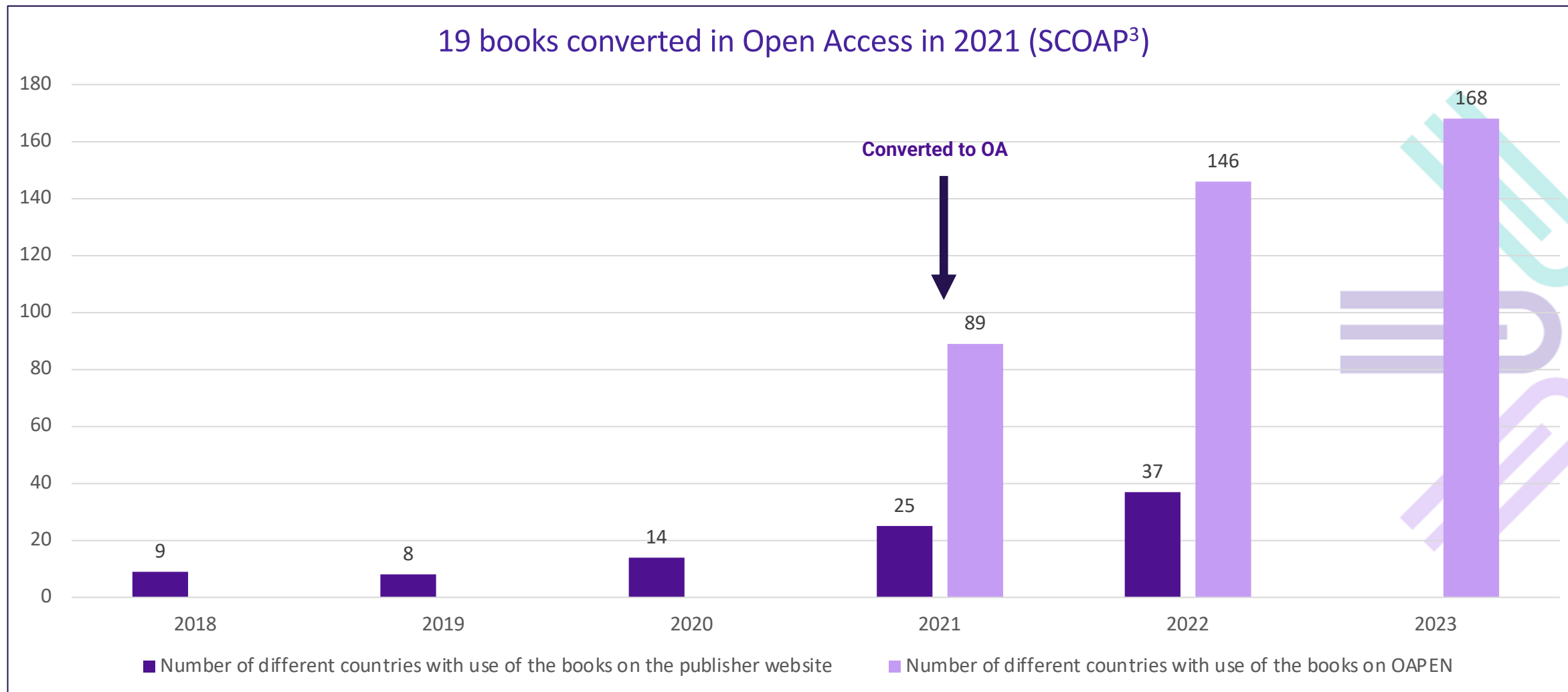


- Backlist program (2021-2022)
- Frontlist program (2023-)
- All books and metadata available on [OAPEN](https://oapen.org)

Impact on the usage (downloads)



Impact on geographic distribution



Interested in learning more?
Please visit: <https://scoap3.org>

THANK YOU

Any Questions or comments?

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