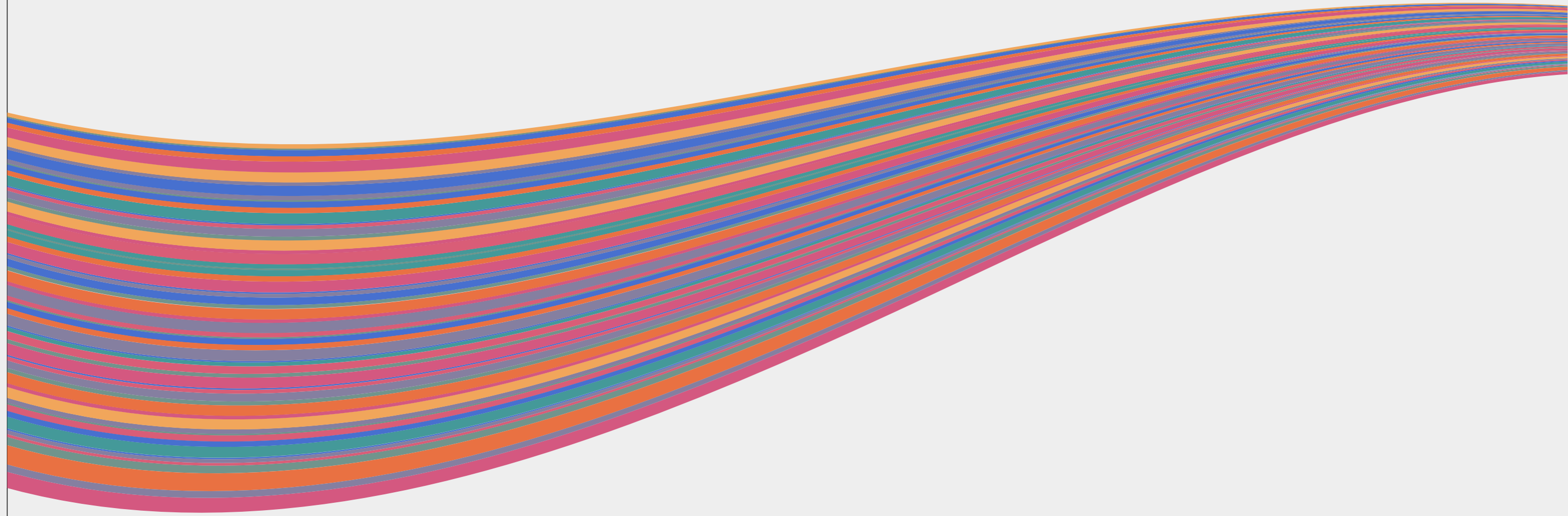


CERN Open Access Policy and Implementation

February 2025

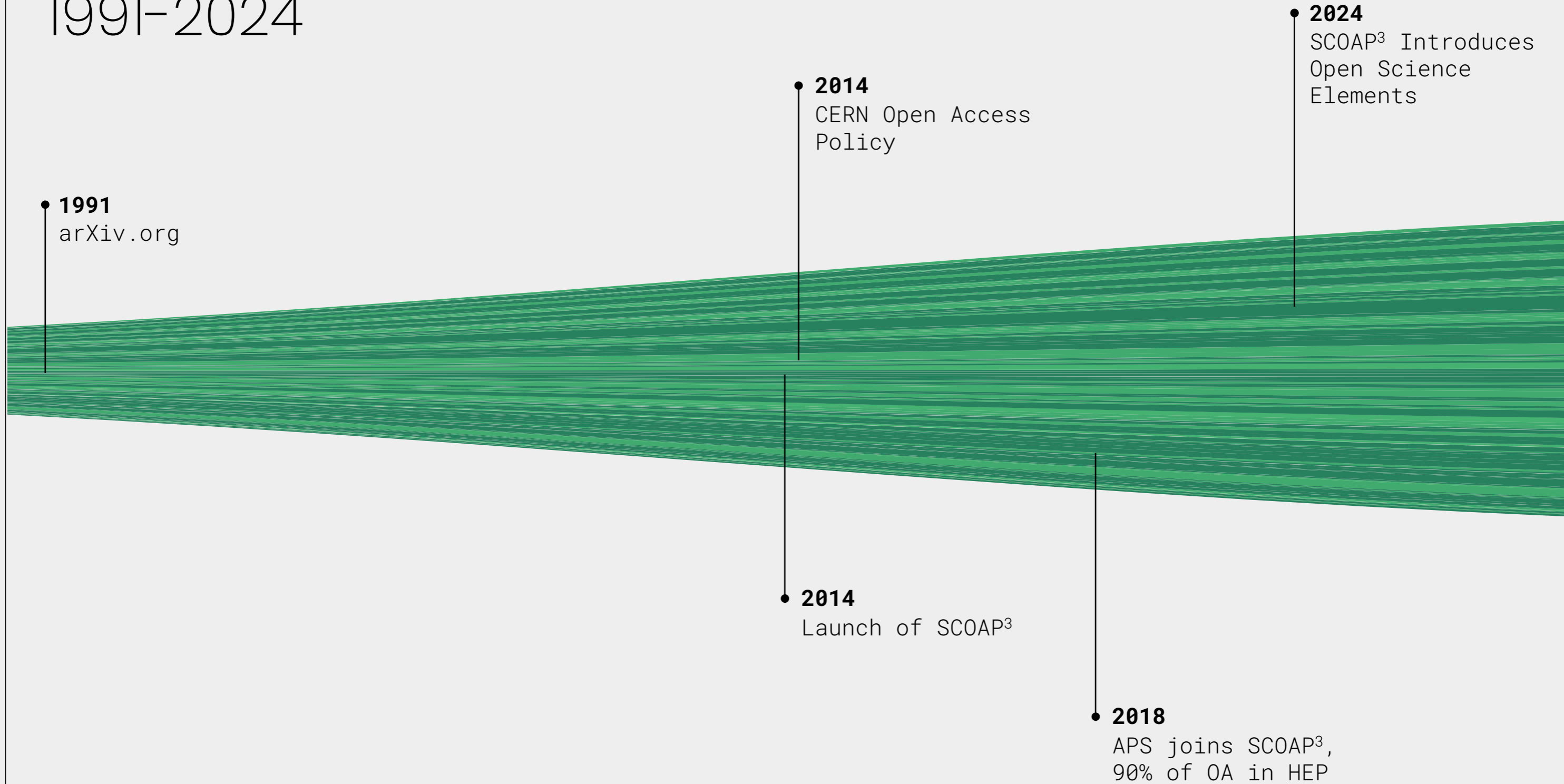
“... and the results of its experimental and theoretical work shall be published or otherwise made generally available.”

CERN CONVENTION, 1954



Open Access

1991-2024



CERN Open Access Policy

For thirty years, most of CERN's physics publications have been made immediately and openly accessible online in the form of CERN preprints. Journal articles published by LHC collaborations on experimental results have systematically been published open access since 2010. Through the SCOAP³ program, CERN and international partners from over 40 countries have converted most of the journals in the field to open access since 2014, at no cost to authors worldwide. Furthermore, through agreements with most of the major publishing houses, the large majority of CERN articles falling outside of SCOAP³ are also published open access. The related costs are met centrally by the CERN Scientific Information Service.

In continuation of this spirit and in line with the values of the CERN Convention,

CERN authors[†] are required to publish all of their peer-reviewed primary research articles[‡] open access (by default under a Creative Commons attribution license, i.e. CC-BY-4.0).

CERN authors should publish, as much as possible, in the journals[§] covered by SCOAP³. Open Access publishing for the majority of research articles outside of the SCOAP³ journals will be supported through existing, dedicated agreements with publishers^{**}, which cover primary research articles with CERN corresponding authors^{††}. When CERN participates in projects with external funding where publications are part of the covered costs, publication fees should be carried by the

The CC-BY 4.0 License



- Least restrictive license
- Protects the rights of authors

Open Access Mechanisms

SCOAP³

Sponsoring consortium for Open Access publishing in Particle Physics.

COLLECTIVE MODELS

CERN supports other OA Model transparent for the author (S20, sponsorship).

OA AGREEMENTS

CERN has negotiated Open Access agreements with 10+ publishers for 4000+ journals.

INDIVIDUAL APC

For other articles fees can be centrally covered under certain conditions.

What is SCOAP³ ?

- International collaboration launched in 2014
- Partnership consisting of 3000+ libraries, research institutions and international research organizations from 45 countries (and growing !)
- Covers 11 of the leading journals in the discipline of High Energy Physics (HEP)

Mission:

SCOAP3 enables open access publishing in the field of high-energy physics, helping to remove financial and administrative barriers to science.



The SCOAP³ Model: How It Works

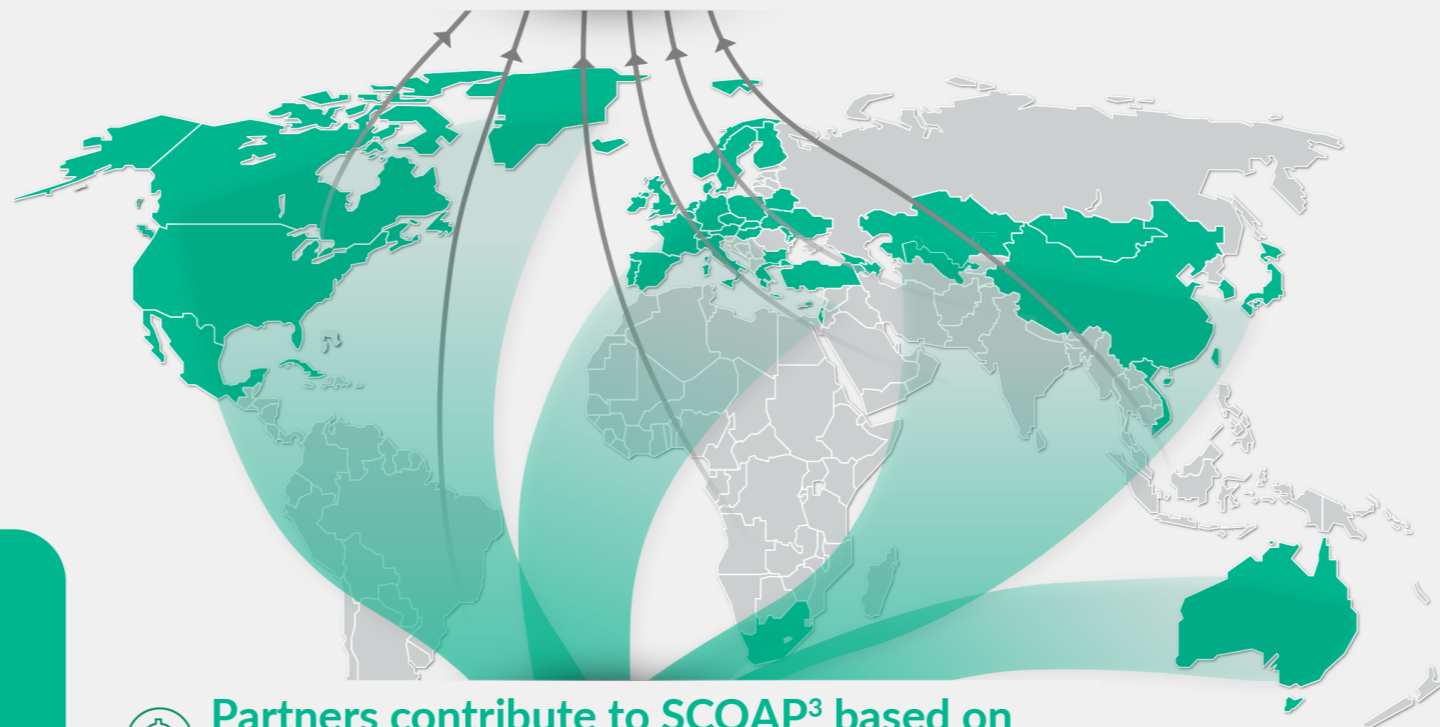
SCOAP³ centrally underwrites Open Access to research in high-energy physics, enabling free publishing, global access, and re-use



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



No publication costs for authors worldwide



Partners contribute to SCOAP³ based on their share of the published literature



Research articles are published fully Open Access with CC-BY licenses



SCOAP³ centrally pays for Open Access publishing services

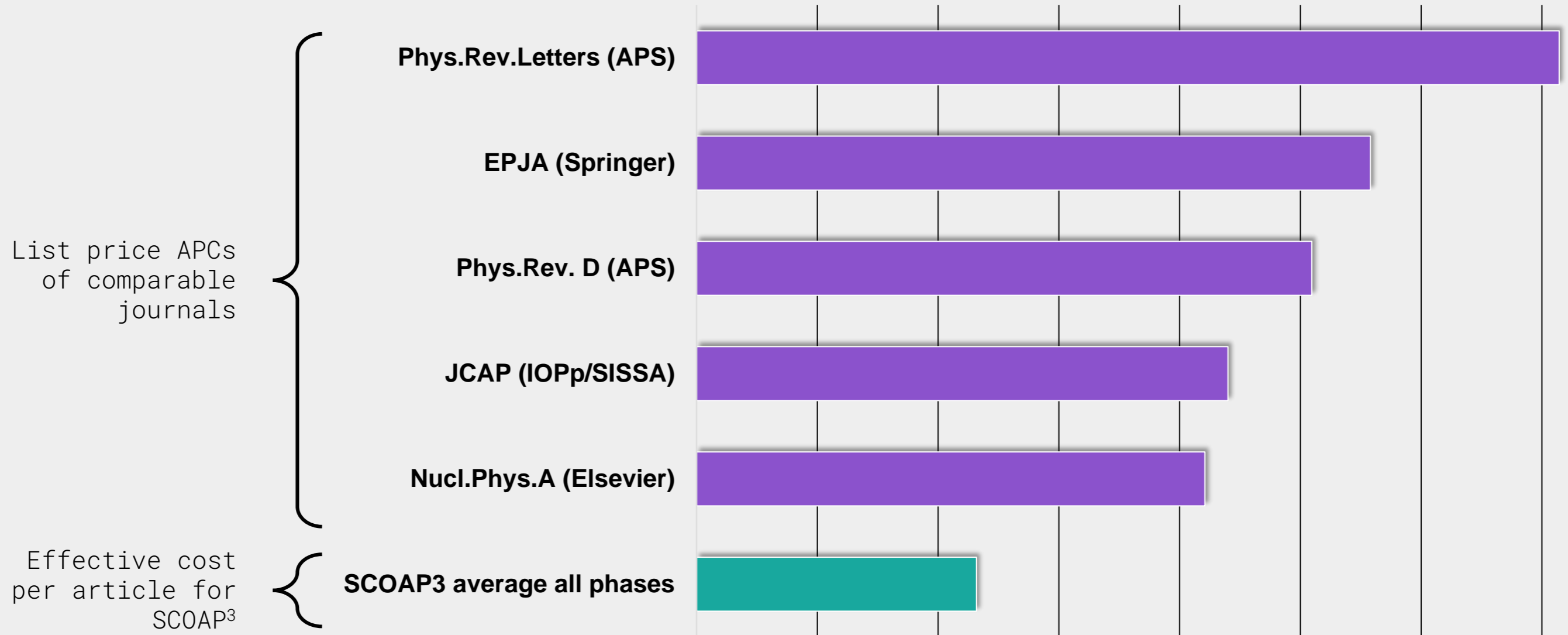


SCOAP³ Sponsoring Consortium for Open Access Publishing in Particle Physics

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

And 10 Years On...

Continued best-in-class value for money!



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

Element

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

SCOAP³ 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

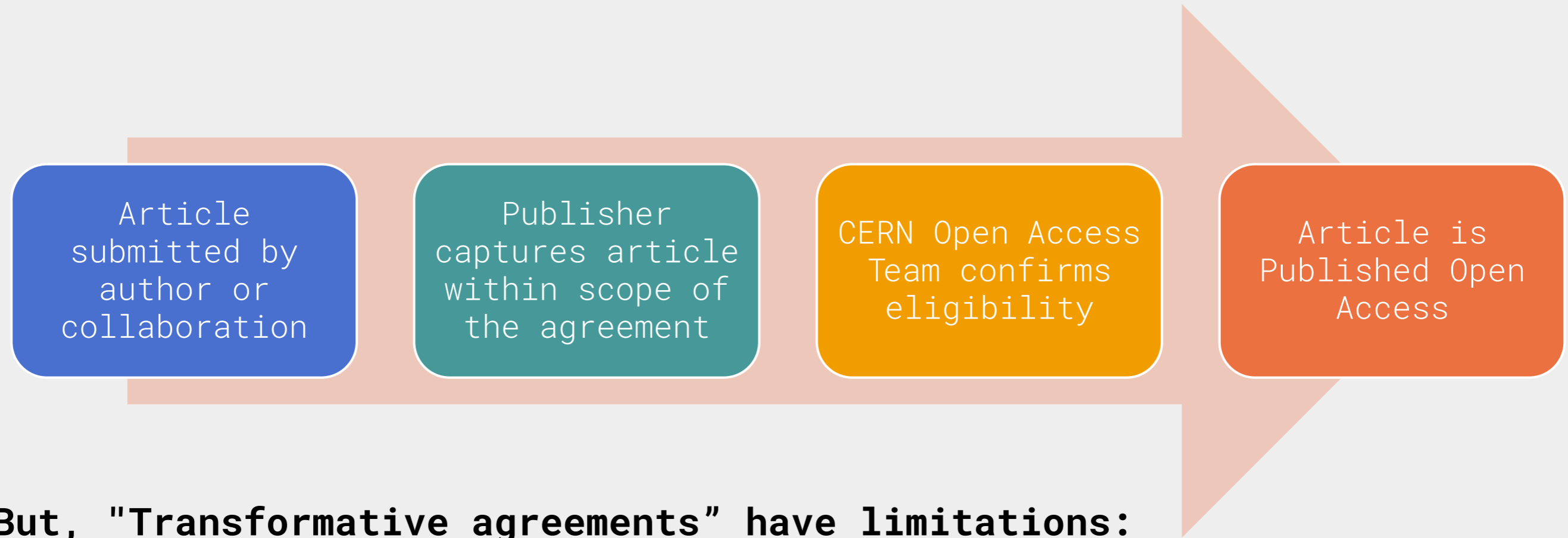


Other Collective Funding Models

- CERN supports collective agreements with publishers to cover OA for all articles.
- Transparent for the author
- All the articles are automatically published Open Access



Open Access Transformative Agreements with Publishers

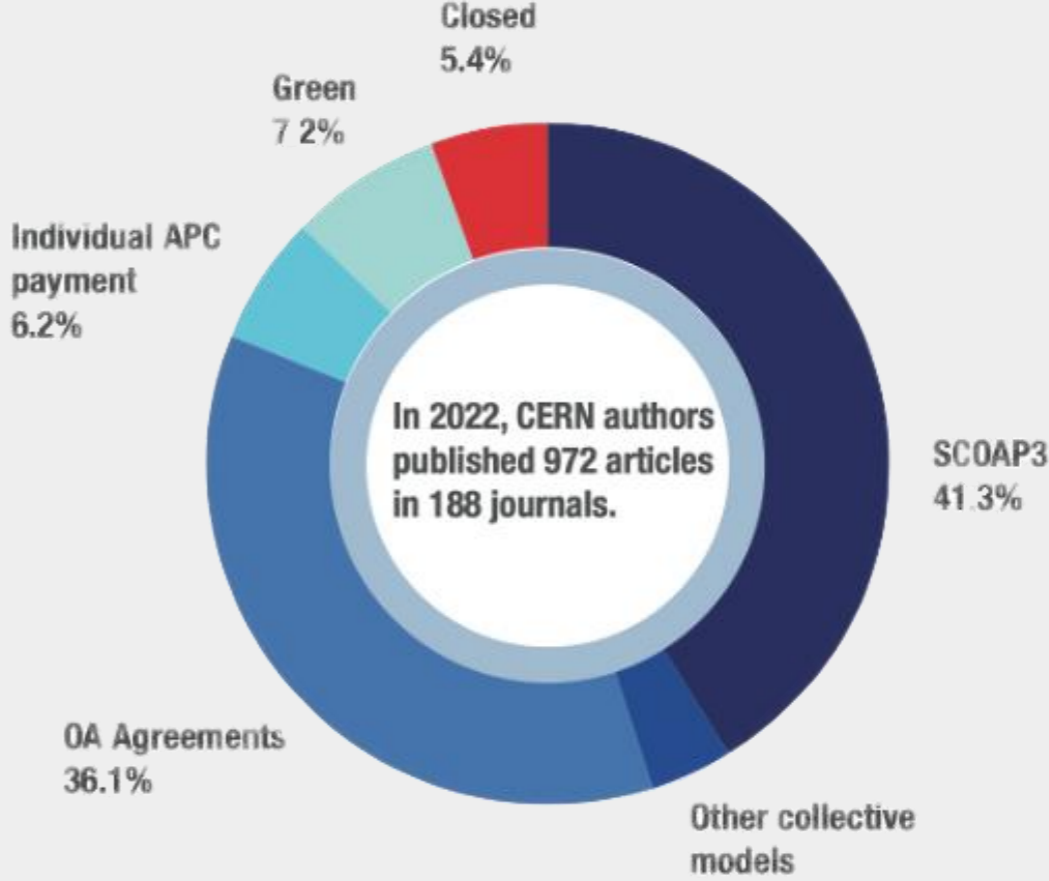
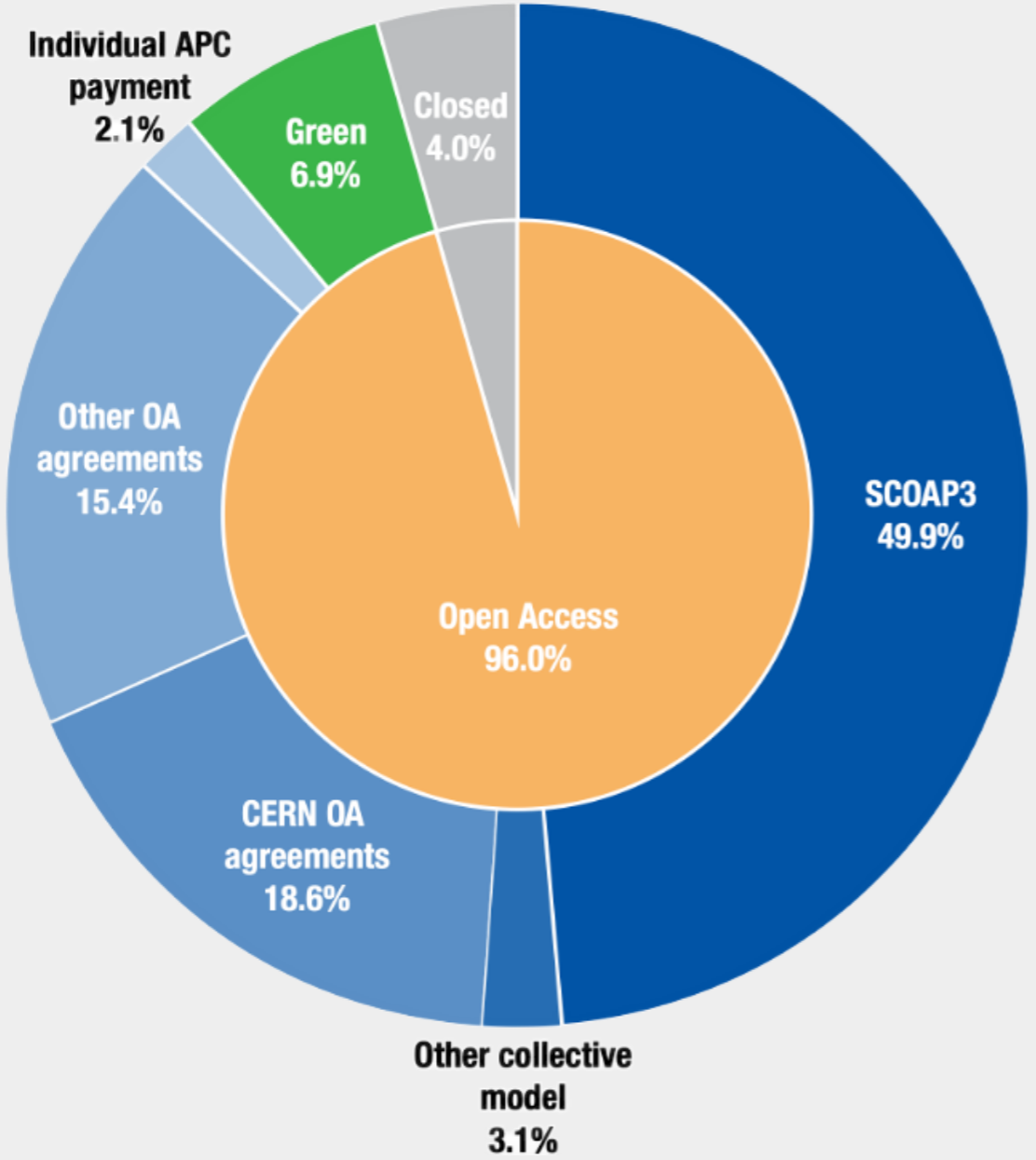


- **But, "Transformative agreements" have limitations:**

- Difficult to negotiate with some publishers, reluctant to offer options in line with our policy
- Costs, "closed" to not-participants and hence not equitable
- Re-creates barrier on the publishing side

Open Access Statistics

Groundbreaking Results: 96% Open Access in 2023



Research Assessment

CoARA

1. Recognize the diversity of contributions to, and careers in, research in accordance with the needs and nature of the research.
2. Base research assessment primarily on qualitative evaluation for which peer review is central, supported by responsible use of quantitative indicators.
3. Abandon inappropriate uses in research assessment of journal and publication-based metrics, in particular inappropriate uses of Journal Impact Factor (JIF) and h-index.
4. Avoid the use of rankings of research organizations in research assessment."

Supporting Global Open Access & Open Science Infrastructures

- Open Access and Open science need a globalized infrastructure...
 - With standardized metadata and persistent identifiers (ORCID, ROR, CrossRef, OA Switchboard...)
 - And Open Infrastructure created and used by the community (DOAJ, OAPEN, OJS...)









What's next?

- **World-wide discussions on Diamond Open Access**

- Cape Town global summit in Cape Town in 2024
- European Diamond Capacity Hub launch in 2025



- **In 2025, we will review our OA strategy for the next years**

- Continue to support global OA infrastructure
- Promote further / contribute to collective models
- Review negotiation goals with publishers
- And move further towards equitable OA

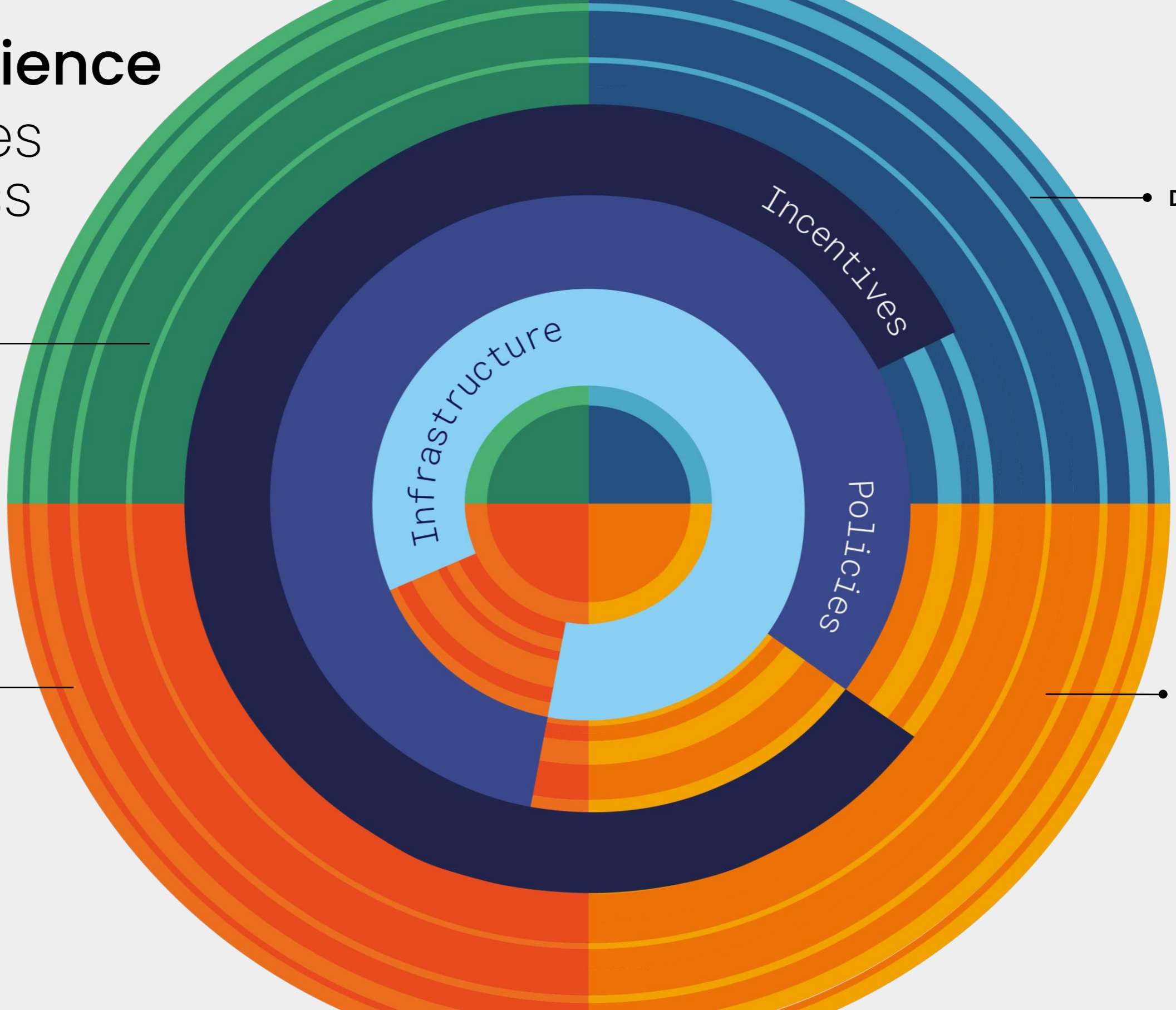
Open Science Structures & Process

PUBLICATIONS

SOFTWARE

DATA

HARDWARE



List of links

- SCOAP3 website: <https://scoap3.org>
- SCOAP3 Journals: <https://scoap3.org/scoap3-journals-2025-2027/>
- CERN OA policy: <http://dx.doi.org/10.17181/CERN.XDL3.FX3J>
- CERN Open Access implementation: <https://sis.web.cern.ch/submit-and-publish/publish-open-access>
- CERN Open Science Website: <https://openscience.cern>

Thank You

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