SCOAP³ Forum

18th June 2025

CERN, Geneva, Switzerland

Introduction and Logistics

Ianko Lopez, SCOAP³ forum Chair

SCOAP³

Sponsoring Consortium for
Open Access Publishing in Particle Physics

Logistics for participants

- This is a webinar-style session: only panelists can speak

- Participants are welcome to ask any question in the Q&A form
- The questions will be answered either in writing or by the panelists at the end of the presentations.
- Please note that due to time contraints, we might not be able to answer all questions - when necessary, we will ensure to follow-up after the forum.

- The record of the meeting and the slides will be made available online on the SCOAP^3 website (https://scoap3.org)

Forum Agenda

09.00 – 09.10	1. Welcome and introduction by Forum Chair (Ianko Lopez, Consorcio Madroño, Spain)
09.10 – 09.30	2. SCOAP^3 Phase 4 Contracts (Anne Gentil-Beccot, CERN)
09.30 – 09.40	3. Results of the first evaluation (Pia Kretschmar, CERN)
09.40 – 09.55	4. A SCOAP^3 partner perspective (Anna Vernon and Charles Brophy, JISC, UK)
09.55 – 10.05	5. Crossref's perspective (Kornelia Korzec, Crossref)
10.05 – 10.30	6. Q&A

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SCOAP³: Phase 4 and OS elements

Anne Gentil-Beccot, CERN SCOAP³ team

SCOAP³

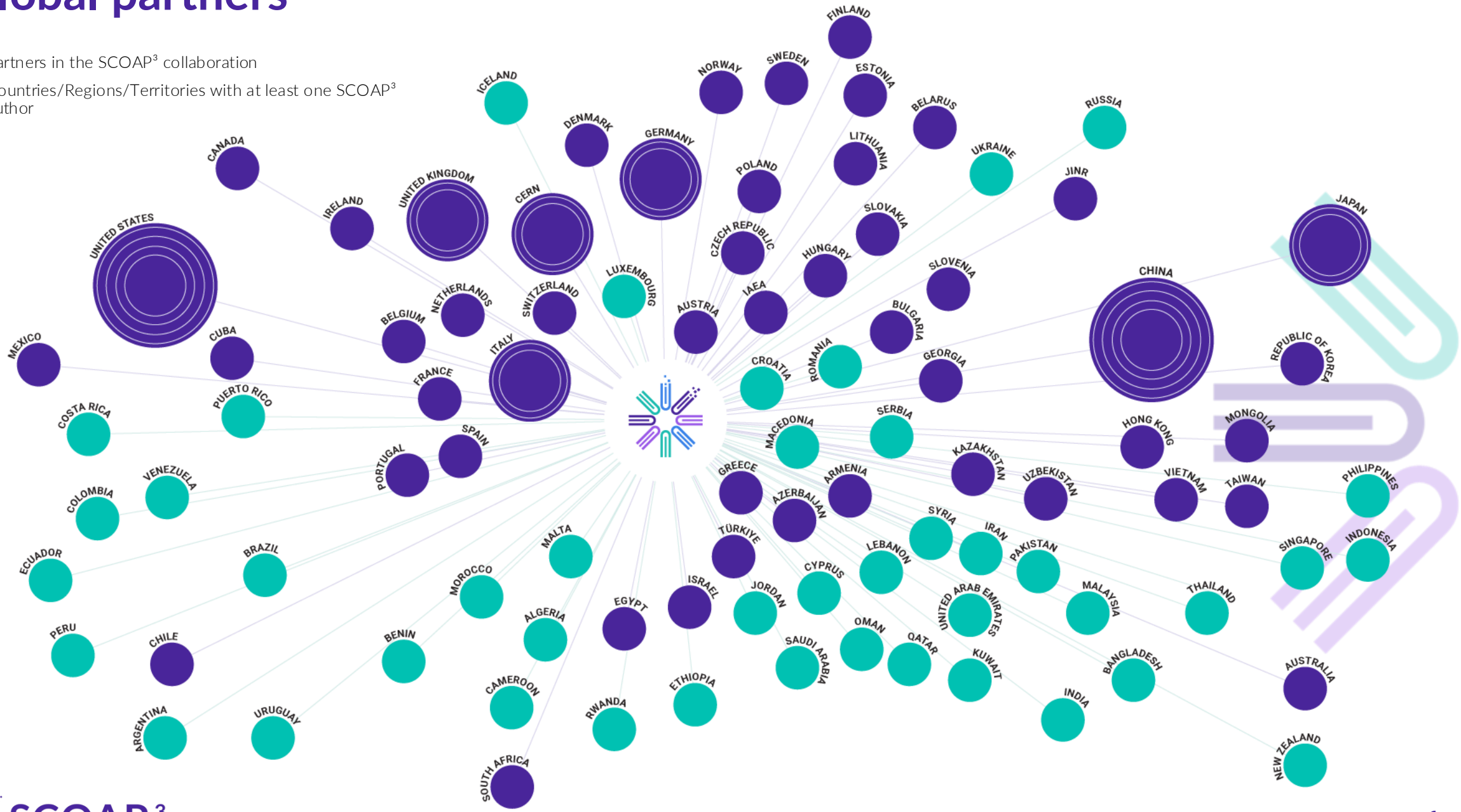
Sponsoring Consortium for
Open Access Publishing in Particle Physics

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 (and growing)
- 11 of the leading journals in the discipline of high energy physics

Global partners

- Partners in the SCOAP³ collaboration
- Countries/Regions/Territories with at least one SCOAP³ author



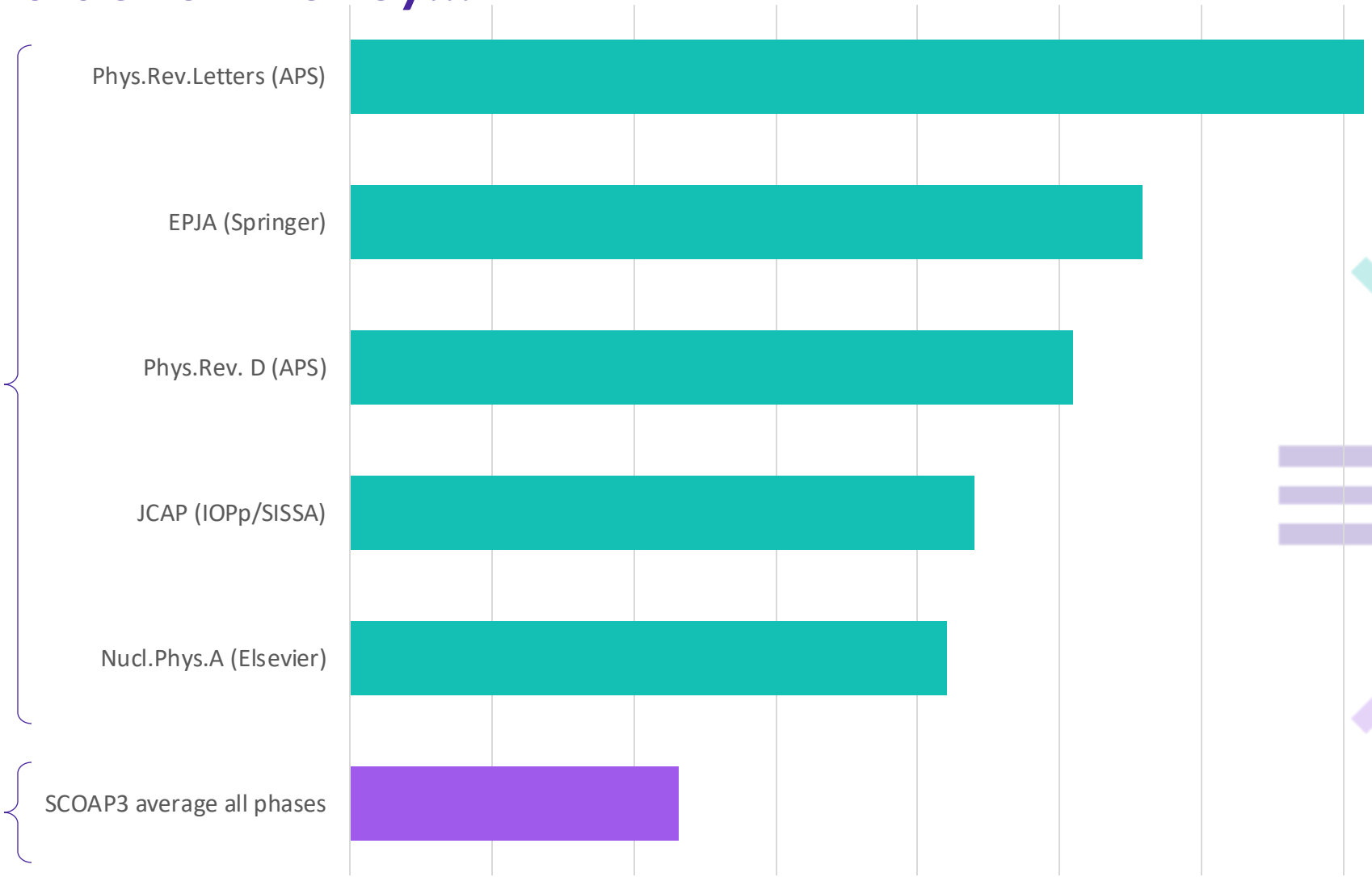
SCOAP³

First 10 years (2014-2024): 75,004 articles funded (90+ % of all HEP)

Publisher	Journal	Articles
APS physics — Joined in 2018	Physical Review C	661
	Physical Review D	16,821
	Physical Review Letters	2,153
ELSEVIER	Nuclear Physics B	3,629
	Physics Letters B	9,455
Hindawi	Advances in High Energy Physics	1,135
IOP Publishing — until 2017	Chinese Physics C	896
	New Journal of Physics	25
	J. Cosm. and Astroparticle Physics	654
Jagiellonian University in Kraków	Acta Physica Polonica B	179
Oxford University Press / JPS	Progress of Theor. and Experimental Physics	994
Springer	European Physical Journal C	11,495
	Journal of High Energy Physics	26,907

Best-in-class value for money…

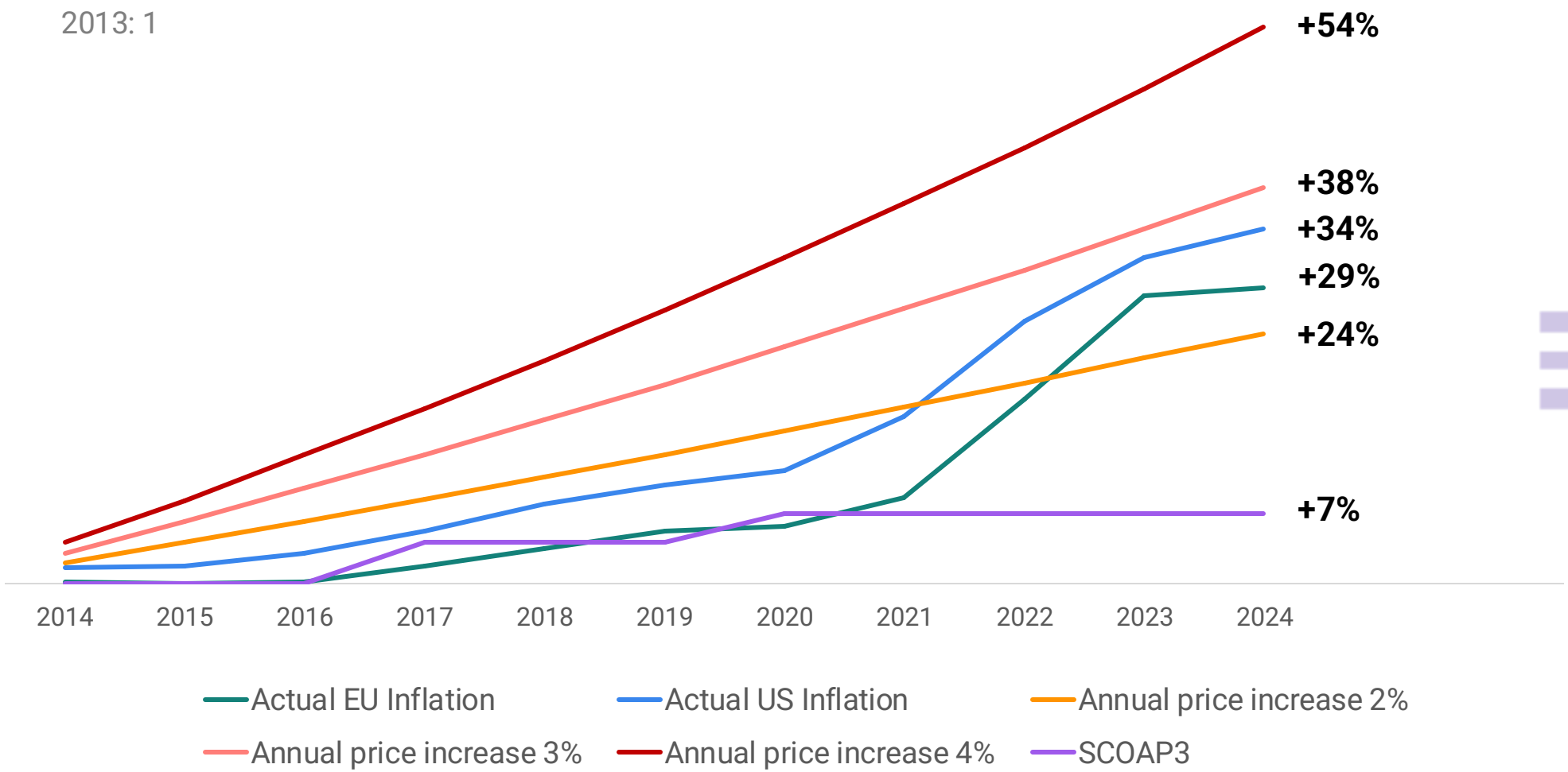
List price APCs of comparable journals



Effective cost per article for SCOAP³

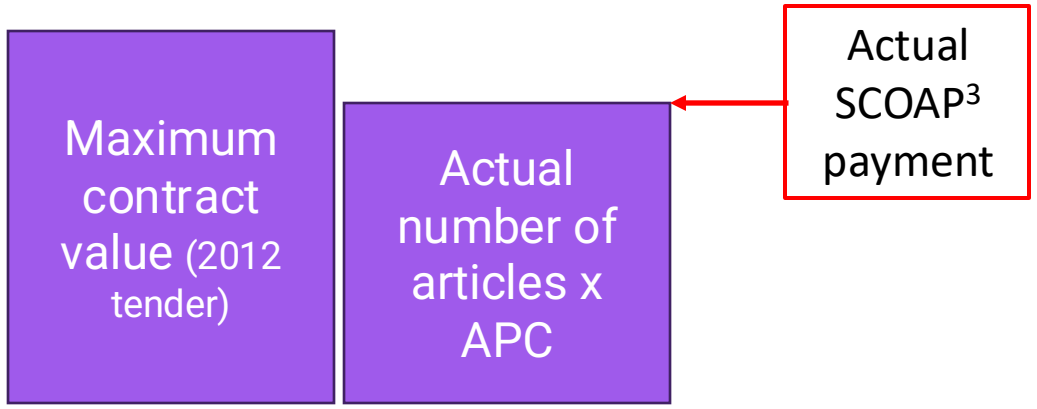
SCOAP³

…and stable prices for SCOAP³ partners

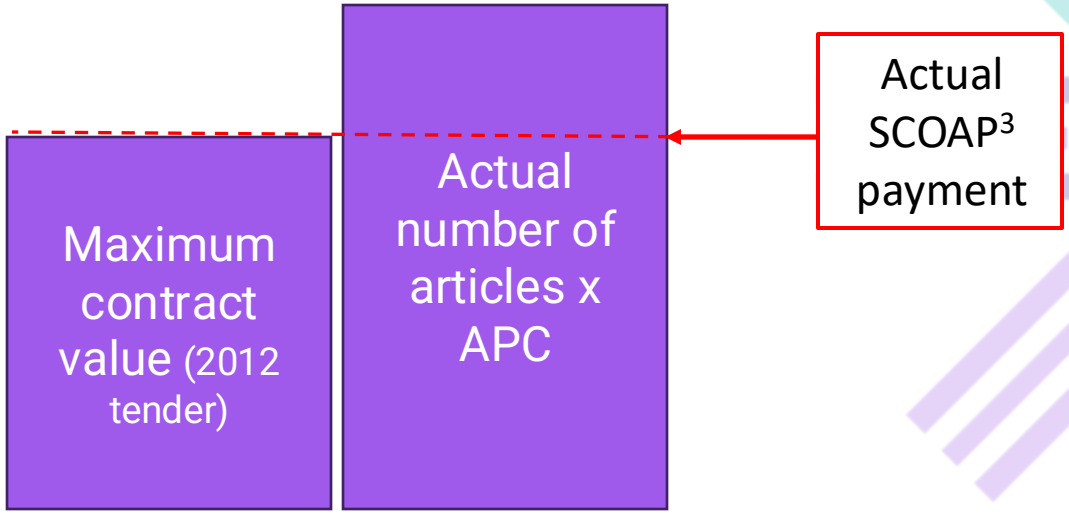


SCOAP³ commercial arrangements

- Maximum Contract Values (CAP) and nominal APCs based on the initial 2012 SCOAP³ tender.



Example 1: Publisher publishes less than the Max contract value



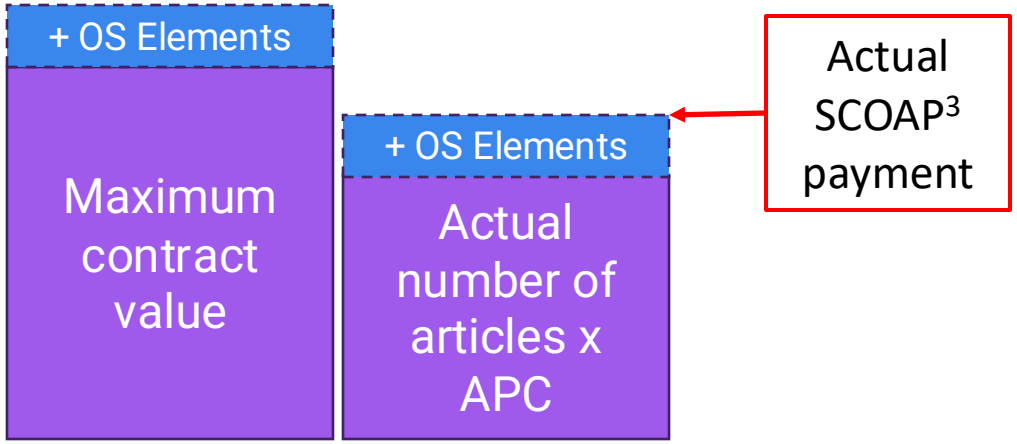
Example 2: Publisher publishes more than the Max contract value

Phase 4 of SCOAP^3: from Open Access to Open Science

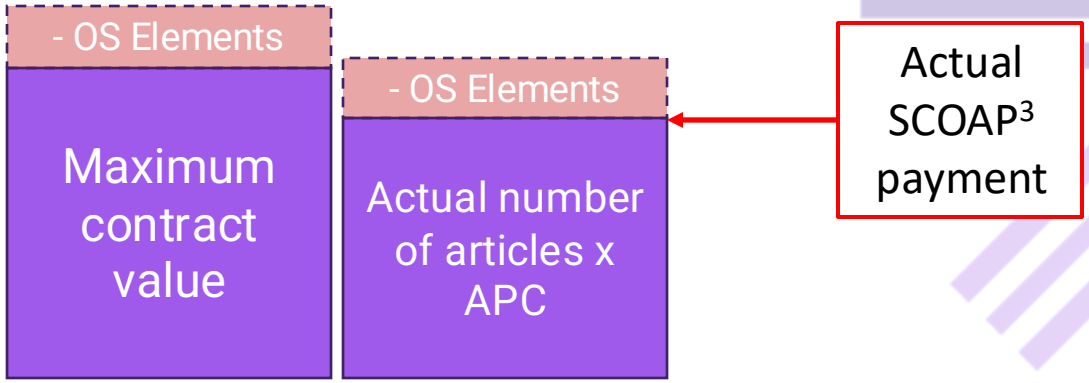
- Disciplinary OA has been achieved and sustained for a decade
- Proceed with renegotiation of existing SCOAP^3 contracts
- Includes mechanism to financially incentivize publishers on delivery of Open Science Elements that situate publications in HEP more readily for OS future

New SCOAP3 commercial arrangements for Phase 4

- Mechanism to financially incentivize publishers on delivery of Open Science Elements that situate publications in HEP more readily for OS future
  - Adjustment of maximum contract value and nominal APCs
  - Based on comparative scoring performance with other SCOAP³ publishers
  - Pioneering OS elements leading to better service quality and innovative compensation mechanism



Example 1: Publisher gets a positive adjustment from the OS elements



Example 2: Publisher gets a negative adjustment from the OS elements

Open Science Elements

Open Science Elements	Definition
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
Standardized metadata provision	Provide enriched article metadata in a consistent, standardized, community-determined format; include abstracts and references
Dataset Linking	Enabling linking between articles and related datasets; improve/incentivize publishing of data as supplementary material associated with publications
Software Linking	Enabling linking between articles and related research software; improve/ incentivize publishing of software 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
Accessibility	Removing barriers to accessing content for people with disabilities by following WCAG guidelines.
SCOAP^3 Community Values Disclosures	Provide transparent statements on core business practices related to defined community values (see next slide)

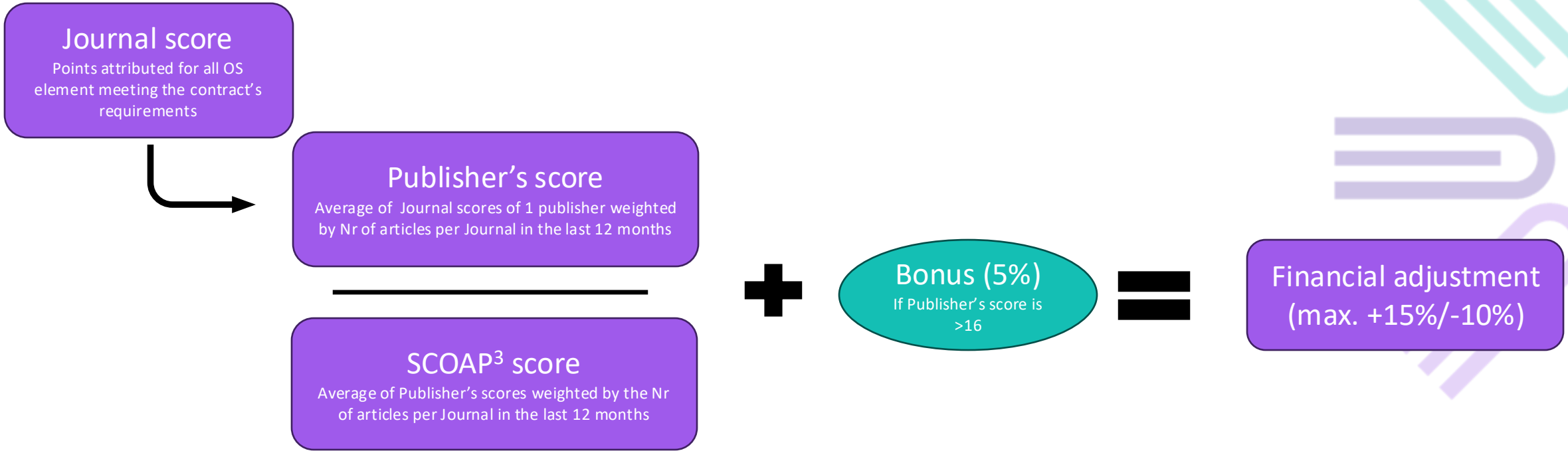
Open Science Elements (cont'd)

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

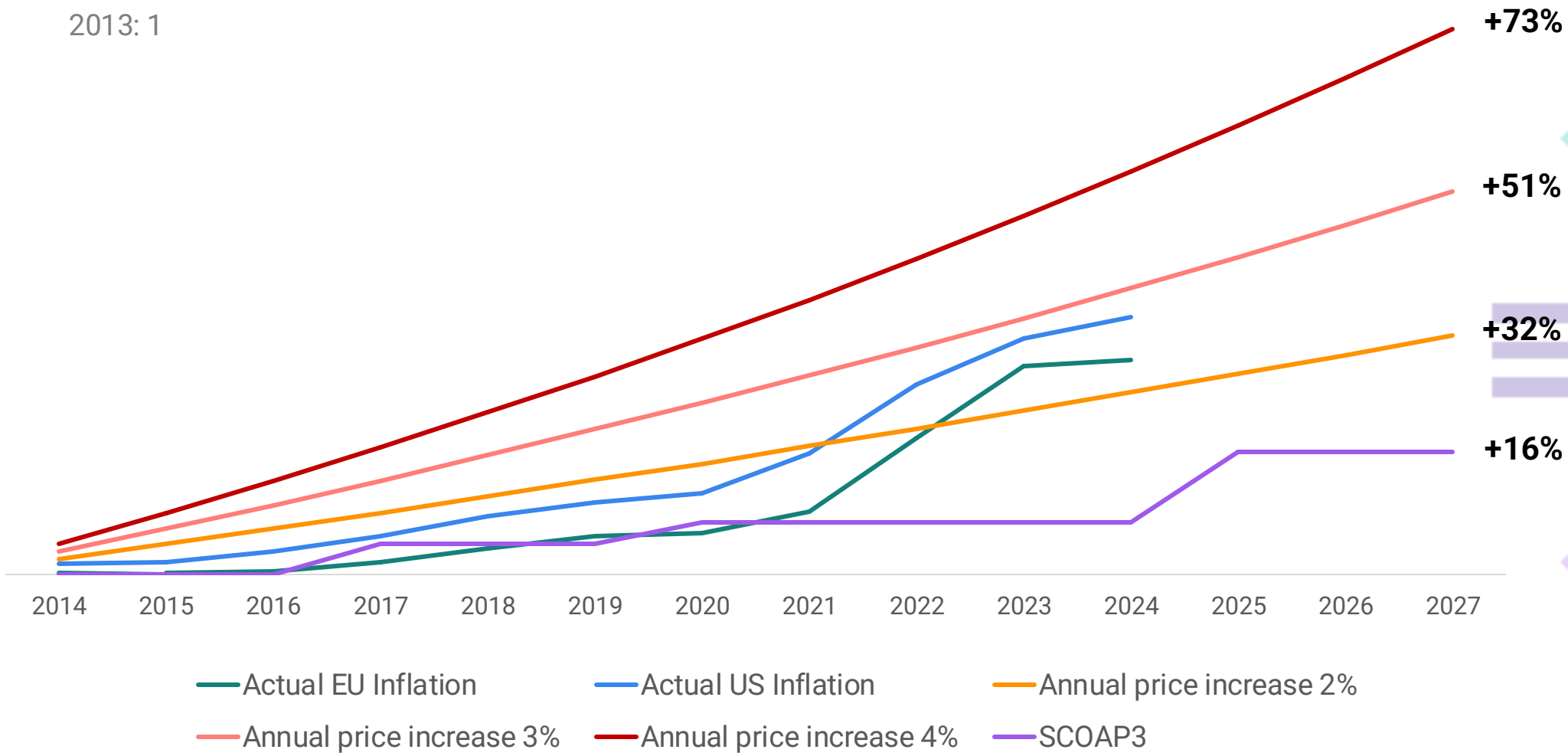
Operational implementation of OS Elements mechanism

- Annual assessment by CERN using previous year information (max 31 points)
  - Combination of automated and manual validation
  - Average score if publisher participates with several journals
  - Objection possibility for publishers
- Calculation of average SCOAP^3 Score, weighted by the number of SCOAP^3 articles in previous year
- Calculation of publisher adjustment
  - Relative performance compared to average, capped at +/- 10%
  - 5% bonus if publisher scored at least 50% of the available 31 points to create a clear incentive for all publisher to invest into the needed infrastructure
- New annual Maximum Contract Value and nominal APC adjusted accordingly for actual year (re-assessment in the following year)

Calculation



Phase 4: increased investment for additional services



THANK YOU

Any Questions or Comments?

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1st evaluation of OS Elements for Phase 4

Pia Kretschmar, CERN SCOAP³ team

SCOAP³

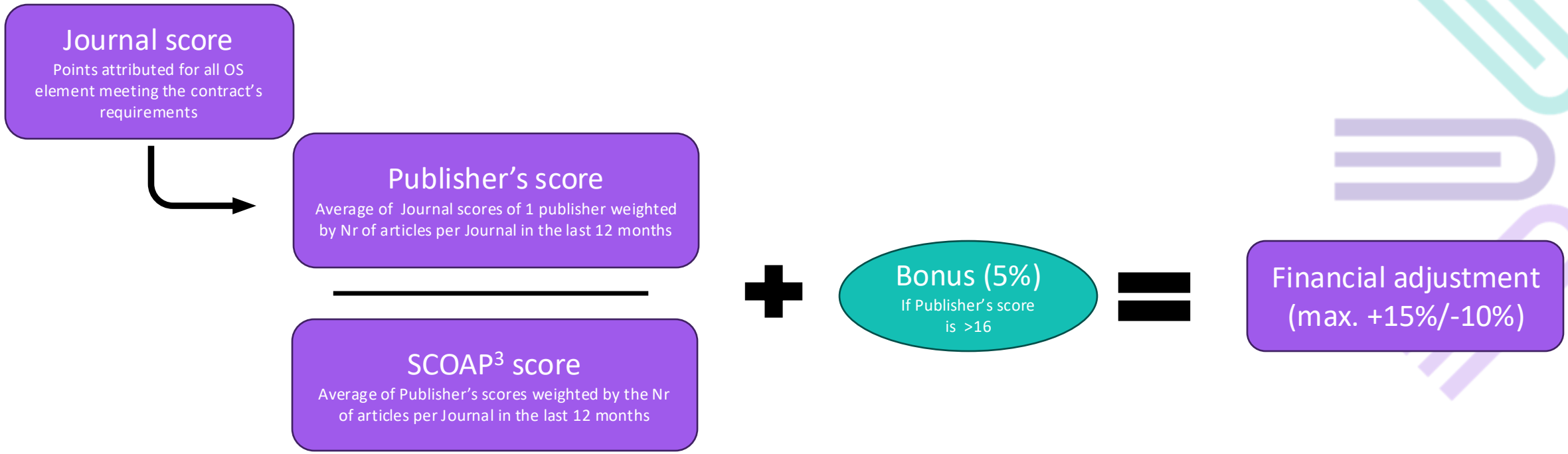
Sponsoring Consortium for
Open Access Publishing in Particle Physics

Outline

- Process and Methodology
- Results
- Takeaways & Future

Process and Calculation

- Annual evaluation of Open Science Elements for all SCOAP³ Journals



Methodology

- Sources:
  - Analysis of metadata:
    - From SCOAP3 Repository and CrossRef API (articles of the last 3 months of the previous year)
    - 2024 articles
  - Information provided by the publishers from some elements
- Calculation for every element based on the contract description
- Source data and calculation shared with publishers for validation
- Final score calculation, after validation from all publishers

Results - by OS Element

OS Element	Max. Points in 2025	Average Points	Source
ORCiD Integration	5	2.63	Presence of ORCiDs provided in evaluated set of articles; information about validation of ORCiD provided by publishers
ROR Integration	2	1.68	Presence of ROR provided in evaluated set of articles from Crossref and the Repository
Public Peer Review	1	0	Information provided by publishers
Dataset Linking	2	1.97	Information provided by publishers *(further calculation on development of available dataset links will be done in 2026)*
Software Linking	2	1.97	Information provided by publishers *(further calculation on development of available software links will be done in 2026)*
Depositing of detailed Metadata to Crossref	6	2.17	List of mandatory and additional fields.
Excellence in Accessibility	4	1.98	Information provided by publishers (i.e. VPAT certificate)
Disclosure on SCOAP^3 Community Values	3	3	Information provided by publishers: transparency is evaluated not the actual compliance with the values

Results by publisher

Can also be found at https://scoap3.org/journals-2025-2027/open-science-elements/

Publisher	Journal	Score 2025
APS	Pysical Review C (PRC) Physical Review D (PRD) Physical Review Letters (PRL)	20.18
Elsevier	Nuclear Physics B (NPB) Physics Letters B (PLB)	11.70
IOP	Chinese Physics C (CPC)	8.00
Jagiellonian University	Acta Physica Polonica B (APPB)	3.00
Oxford University Press	Progress of Theoretical and Experimental Physics (PTEP)	5.00
Springer Nature	The European Physical Journal C (EPJC) The Journal of High Energy Physics (JHEP)	13.33
Wiley	Advances in High Energy Physics (AHEP)	7.00
SCOAP³ average		15.41

Takeaways & Future

- Good performance for (almost) every publisher:
  - Accessibility level AA of WACG standard
  - Transparency via the community values
- Areas of improvement:
  - Persistent identifiers (ROR and ORCID)
  - Metadata submitted to CrossRef
  - Links to datasets and software
  - More innovative OS practices (i.e. Open Peer-review)
- Ongoing dialogue with publishers important
- Next evaluation: January 2026
  - Will include calculation on dataset and software linking (compared to 2025)
- **Overall objective: Create incentives to develop Open Science practices across the portfolio**

THANK YOU

Any Questions or Comments?

scoap3@cern.ch

SCOAP^3 in the UK

Anna Vernon, Head of Research Licensing &
Charles Brophy, Licensing Manager

About Jisc

Jisc is a not-for-profit UK digital, data and technology agency focused on tertiary education, research and innovation.

We provide the Janet Network - the UK’s National research and education network (NREN)

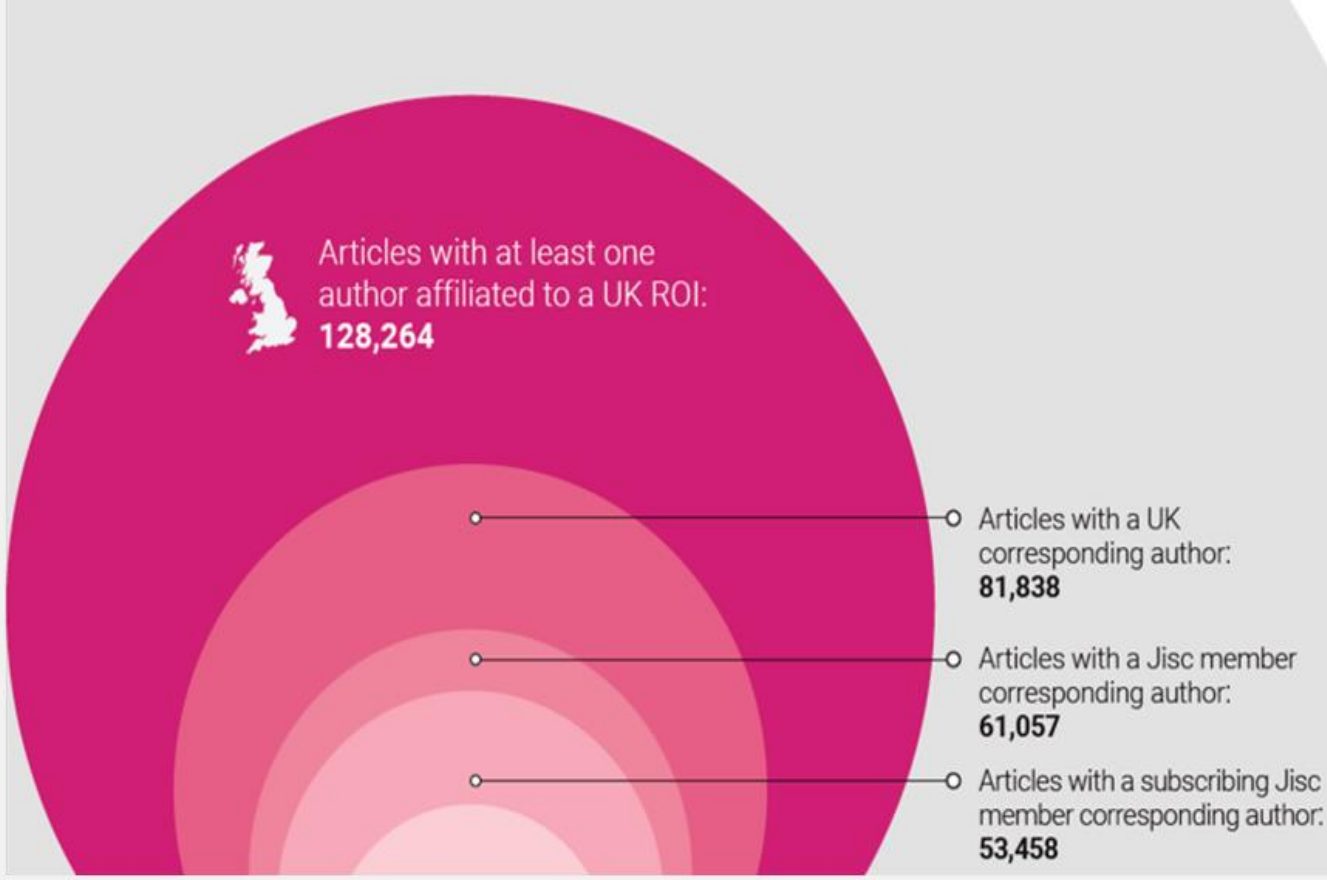
Help the sector save time and money – through our sector wide deals and shared services alone we saved the sector £500m last year

Our work is developed in line with UK government, funding councils and research funders' policies including UKRI, Wellcome Trust

Our Role in Open Access

- Jisc supports UK higher education to transition to open access by negotiating a range of agreements which include:
  - Transitional agreements
  - Fully open access agreements
  - Compliant green agreements

- We also facilitate agreements supporting a range of open infrastructures and not for profit initiatives: e.g. ArXiv, The Public Knowledge Project, OpenCitations, ORCID, Dspace, CORE, CLOCKSS and DOAJ.



UK involvement in SCOAP^3

Jisc first joined SCOAP^3 on behalf of UK HE institutions in 2008

I sit on the Governing Council

Jisc also participates in SCOAP^3 for Books

The UK's SCOAP^3 contribution is co-financed by STFC/UKRI

In recent years ~50 UK higher education institutions have contributed annually

Changing share of UK's global authorship:

Phase 2: 6.2%

Phase 3: 5.2%

Phase 4: 5.3%

Jisc

Next Generation Open Access

2024 – Review of Transitional Agreements

Slow progress to full open access

Closed publishing remains strong

Growth in hybrid articles

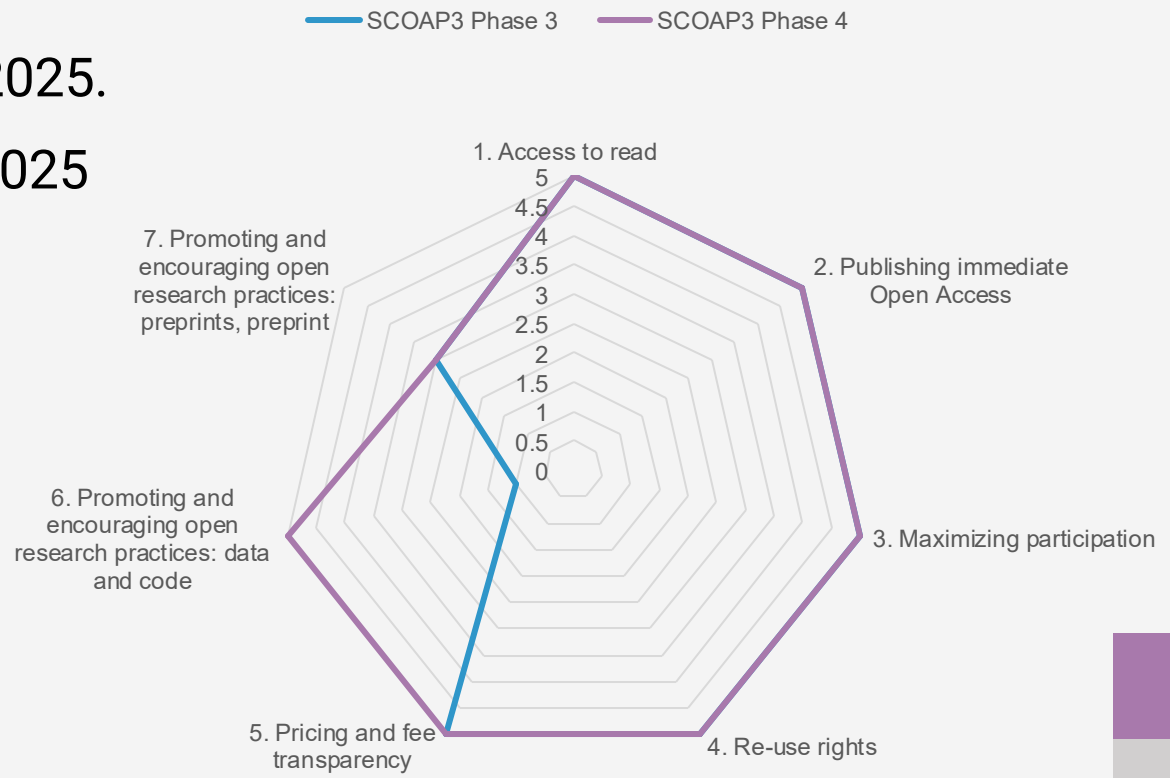
2025 – Next Generation Open Access initiative

Aim 1: Support institutions in responding to the financial crisis

Aim 2: Enable more inclusive participation in open research

“How Equitable Is It?”

- “How Equitable Is It?” (HEII) tool launched in May 2025.
- We are using HEII to assess all agreements from 2025
- Assesses publishing models across 7 key criteria:
  - Access to Read
  - Publishing immediate Open Access
  - Maximizing participation
  - Re-use rights
  - Pricing and fee transparency
  - Open research practices: data and code
  - Open research practices: preprints and open peer review
- Used in our communications materials



How Equitable Is SCOAP^3?

Category	Score	Comments/Rationale
Access to read	5/5	All content is freely available to read as Open Access.
Publishing immediate open access	5/5	Any researcher can publish free of charge. No requirement for the author or their home institution to have a publishing agreement in place.
Maximizing participation	5/5	Pricing for individual institutions and SCOAP3 as a whole is not based on APCs. No limits on number of articles/outputs per participating institution. The service uses more than one factor to determine the eligibility to participate (e.g. not just the affiliation of the corresponding author). Contributions from both institutions that publish and those that can be considered “read only” are actively sought.
Re-use rights	5/5	The funding flow supports the ability for anyone to download all content without any restrictions and reuse it any way they choose, subject to the norms of academic attribution. Authors are presented with language or licence terms that respect their original licence choice and/or prior rights on their manuscript.
Pricing and fee transparency	5/5	Fees or contributions charged are publicly disclosed. The rationale for the calculation of the fee/contribution and any subsequent increases or changes is transparent and comprehensible.
Promoting and encouraging open research practices: data and code	5/5	SCOAP3 Phase 4 is incentivising publishers with additional funding to include dataset linking, improving the availability of data as supplementary material and enabling software linking in all articles.
Promoting and encouraging open research practices: preprints, preprint review and open identifiers	3/5	The publisher/service provider uses open (non-proprietary) identifiers. Additional funding to incentivise publishers to adopt ORCID and ROR standards.
Overall	33/35	Highly equitable.

Challenges

- Financial context of UK HE:
  - 73% of libraries across UK HE are making cuts to their budgets this academic year.
  - The average cut is 8.2%. Cuts range from less than 1% (0.6%) to 30% of total budget.
- As a result, we may see a reduction in support for open infrastructure agreements.
- In response, Jisc is launching a new Equity Contribution option with the aim of encouraging more institutions to contribute what they can to SCOAP^3.

Using SCOAP³ in Jisc Negotiations

Alongside involvement in SCOAP³, we also have agreements with most SCOAP³ publishers.

SCOAP³'s new Open Science Mechanism can complement the use of the "How Equitable Is It?" tool to assess publisher models

SCOAP³ assessments can also help us & publishers evidence progress towards Open Science in communication with our members

Thank you

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Strides towards the Research Nexus

June 2025

Kora Korzec

What is Crossref?

22,300 organisational members from **160** countries

- **50%** of members are based in Asia
- **40%** of members are universities or scholar-led

128 Sponsor orgs; **48** Ambassadors

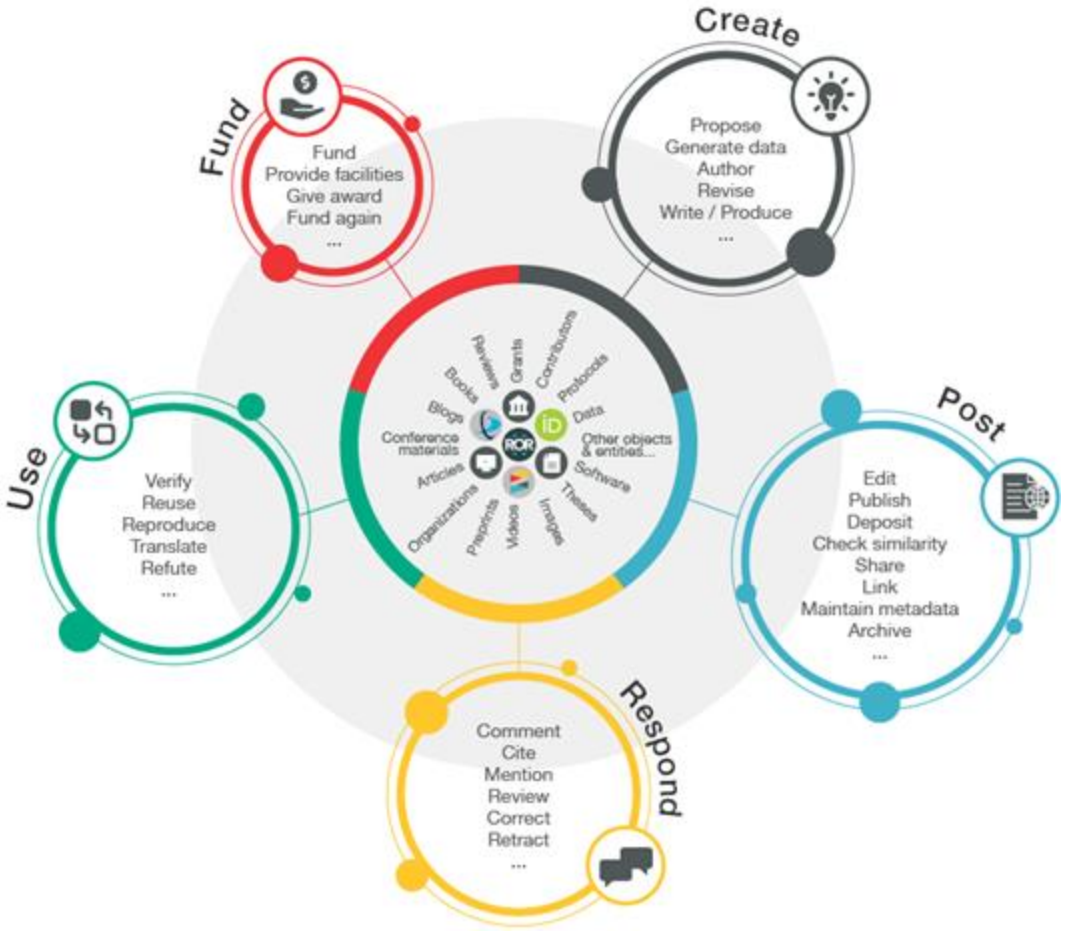
170 million open metadata records with DOIs

1.3 billion resolutions per month (**94%** of all DOI usage)

2 billion queries of our metadata every month by **0000s** (?) systems ingesting and reusing this open metadata

25 Crossref
CELEBRATING 25 YEARS

Research Nexus Vision



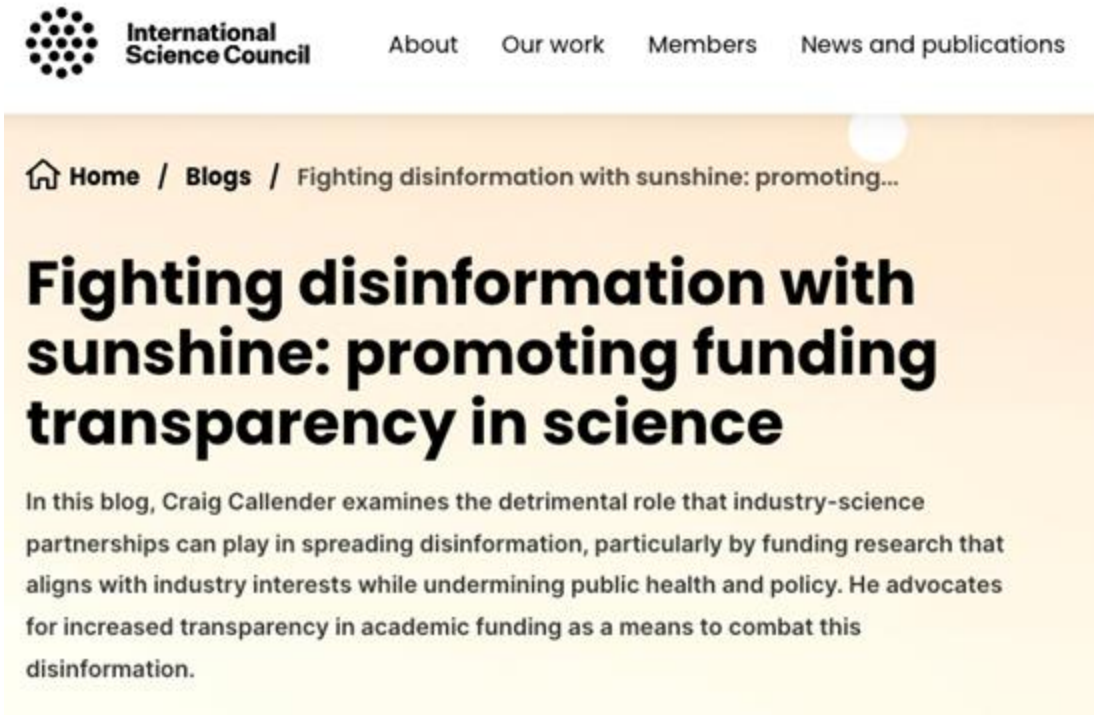
Like others… we envision

"a rich and reusable open network of relationships connecting research organizations, people, things, and actions; a scholarly record that the global community can build on forever, for the benefit of society."

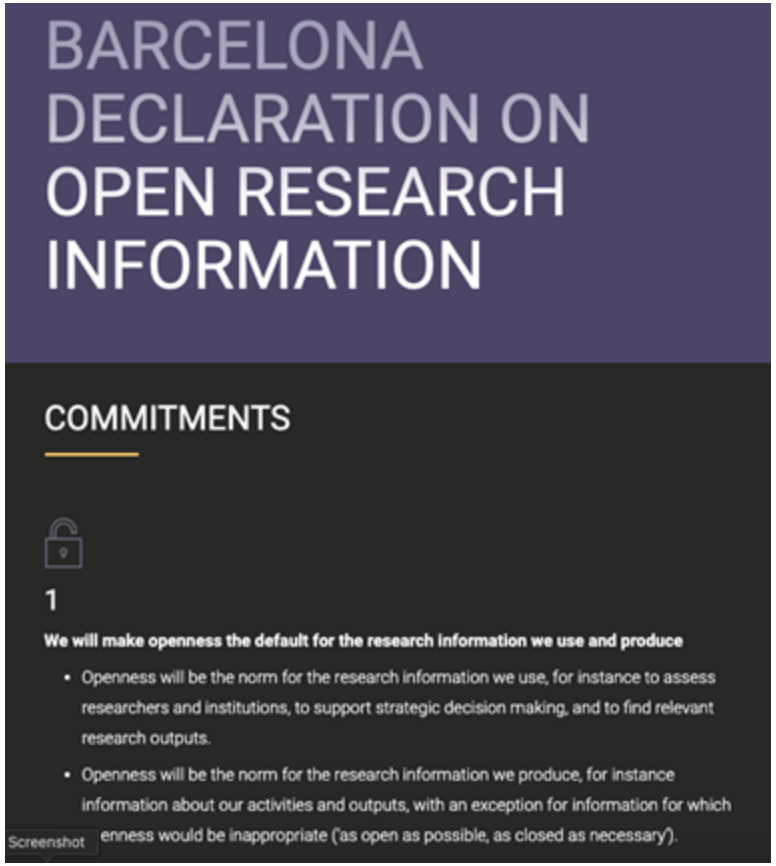
Metadata is the thread that is woven to produce such a network

25 Crossref
CELEBRATING 25 YEARS

Calls for more open research information



https://council.science/blog/fighting-disinformation-with-sunshine-promoting-funding-transparency-in-science/



https://barcelona-declaration.org/commitments/

25 Crossref CELEBRATING 25 YEARS

Calls for more open research information

Crossref
CELEBRATING 25 YEARS

Metadata in Crossref

- Basic: titles, dates, author names, abstracts, DOI, location URL
- Full-text URLs: e.g. for text-mining and Similarity Check
- Crossmark: updates, retractions, corrections
- Relationships: versions, translations, data, references, citation
- Provenance: publisher/funder/steward information
- Subject-specific: e.g. clinical trial info
- Funding information: ROR/Funder Registry ID, award no/Grant DOIs
- Contributor & Affiliations: ORCID iDs and ROR IDs preferred

25 Crossref
CELEBRATING 25 YEARS

Metadata in Crossref - continued

- Abstracts
- Relationships: software, peer reviews
- Licence information
- Dates of publication and acceptance

Coming soon:

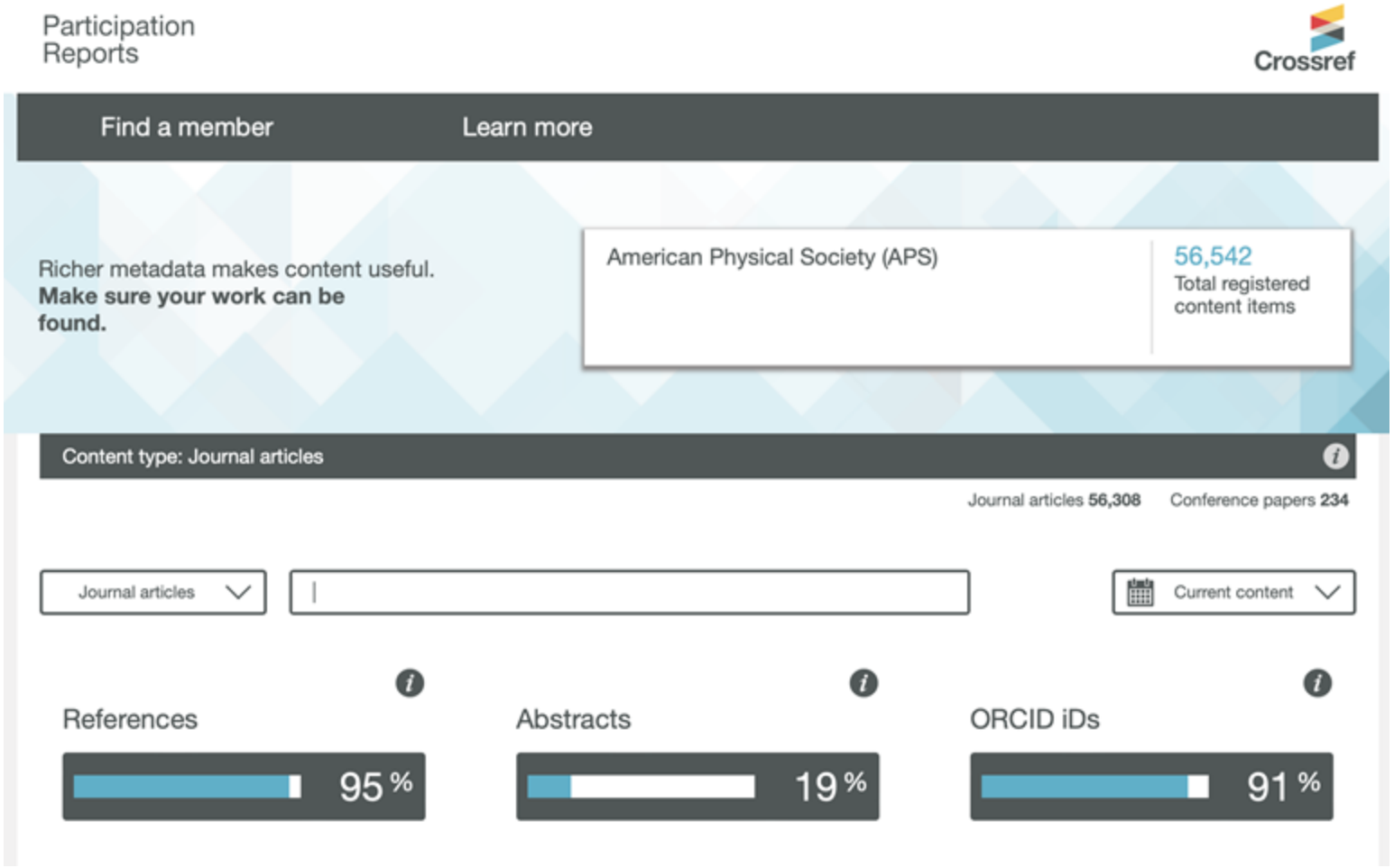
- Contributor roles
- Data availability statements
- Submission dates

25 Crossref CELEBRATING 25 YEARS

Finding a balance

CC0 StockSnap

Improving metadata



Crossref Metadata Awards

25 Crossref
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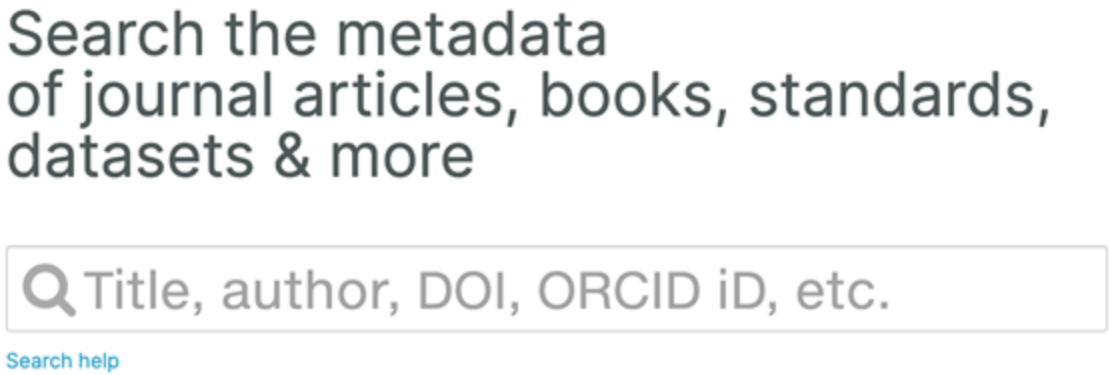
How is Crossref metadata used?

25 Crossref
CELEBRATING 25 YEARS

How you can use our metadata?

- Metadata search
- Crossref API
- Public data files



25 Crossref
CELEBRATING 25 YEARS

Crossref
CELEBRATING 25 YEARS

Any questions?

Thank You

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