



SCOAP³: Phase 4 and Open Science elements

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SCOAP³

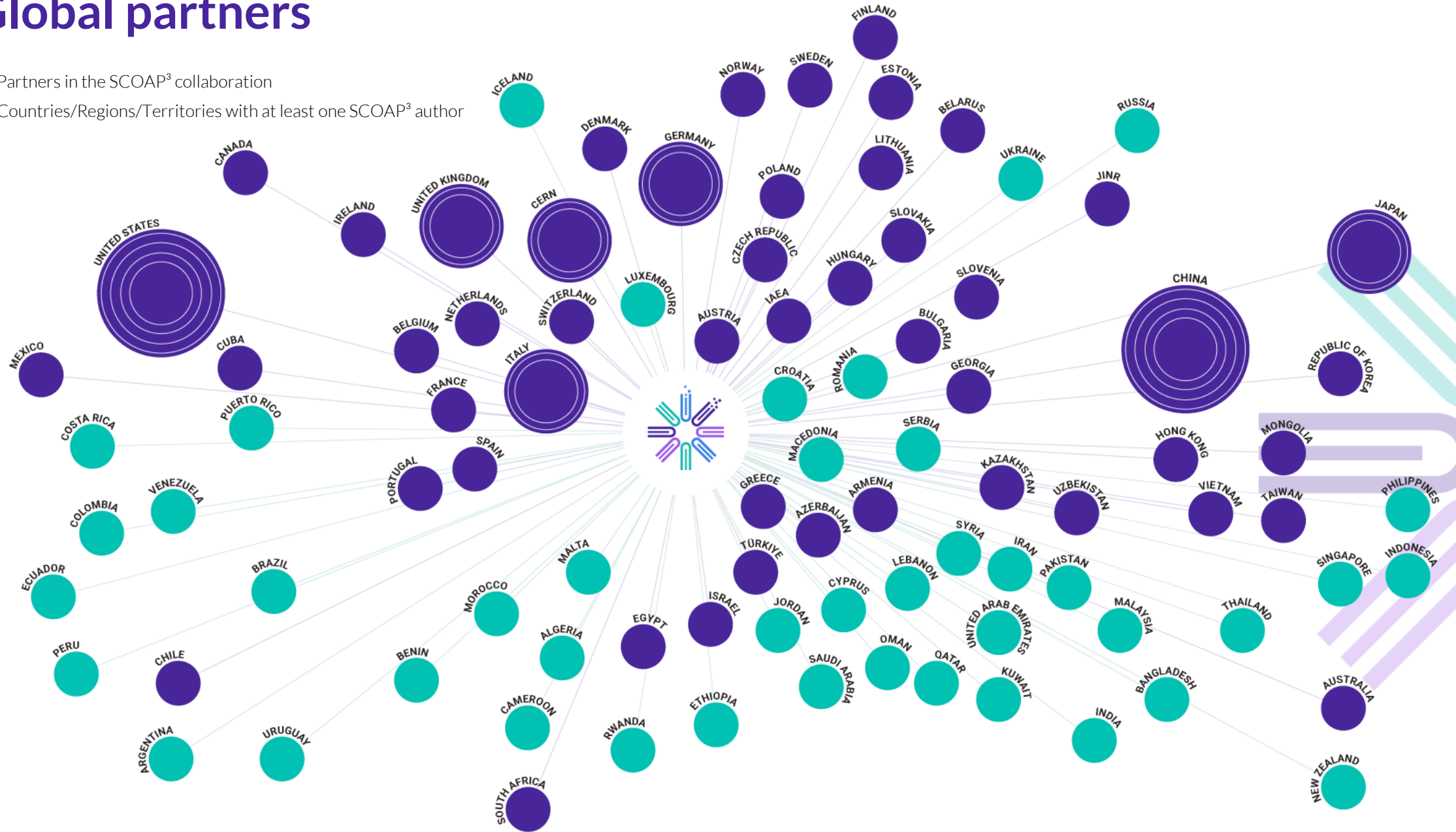
Sponsoring Consortium for
Open Access Publishing in Particle Physics

What is SCOAP³?

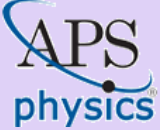
- * Sponsoring Consortium for Open Access Publishing in Particle Physics
- * Mission:
 - SCOAP³ enables open access publishing in the field of high-energy physics, helping to remove financial and administrative barriers to science
- * International collaboration launched in 2014
- * Partnership consisting 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, covering +90% of publications in the field.

Global partners

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

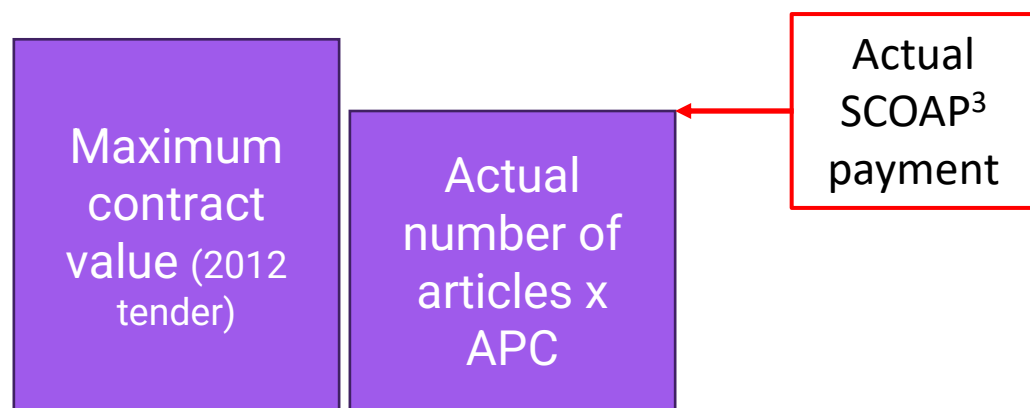


First 10 years (2014-2024): 75,004 articles funded (90+ % of all HEP)

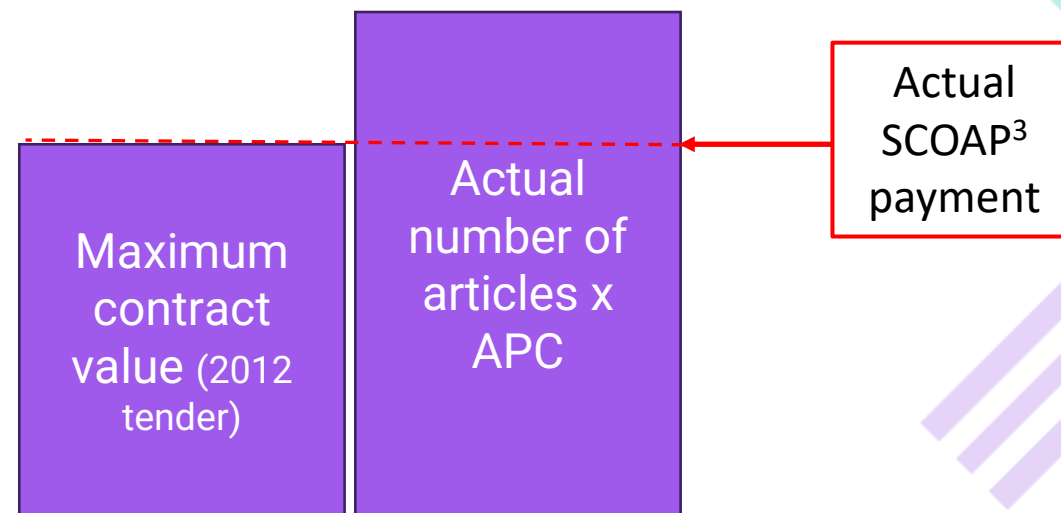
Publisher	Journal	Articles
 Joined in 2018	Physical Review C	661
	Physical Review D	16,821
	Physical Review Letters	2,153
 ELSEVIER	Nuclear Physics B	3,629
	Physics Letters B	9,455
 Hindawi	Advances in High Energy Physics	1,135
 IOP Publishing  until 2017	Chinese Physics C	896
	New Journal of Physics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

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



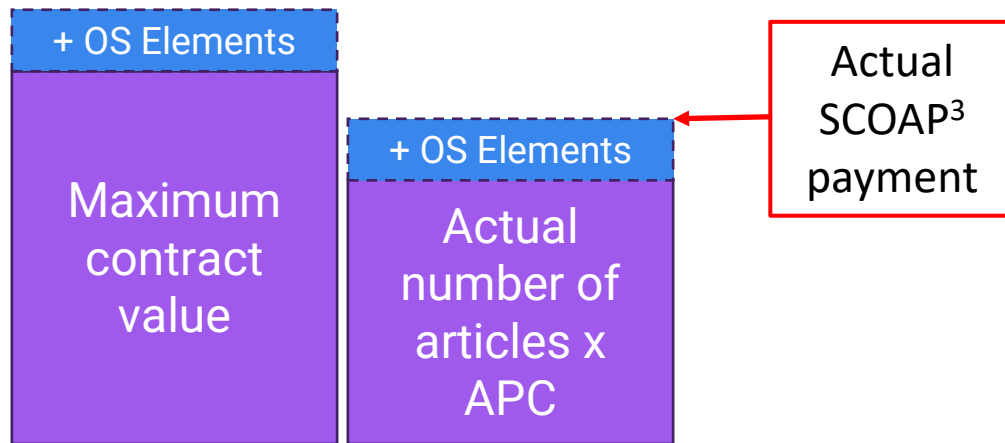
Example 2: Publisher publishes more than the Max contract value

Phase 4 of SCOAP³: from Open Access to Open Science

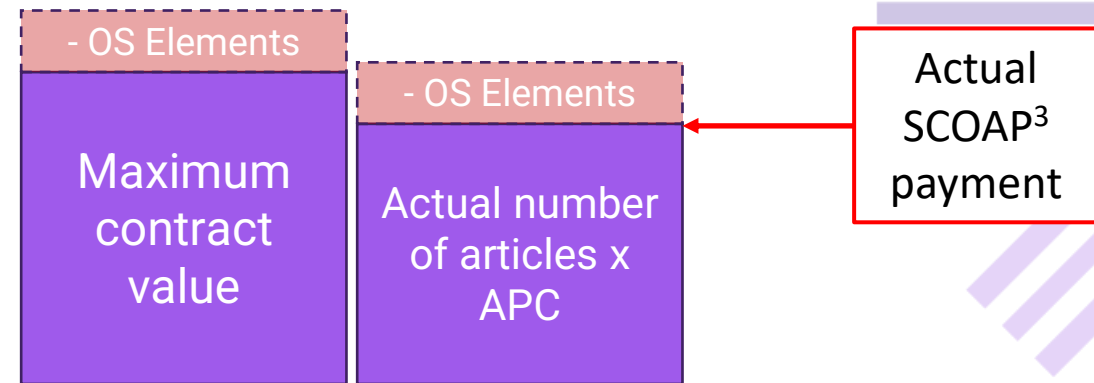
- * Disciplinary OA has been achieved and sustained for a decade
- * Proceed with renegotiation of existing SCOAP³ contracts
- * Includes mechanism to financially incentivize publishers on delivery of Open Science Elements that situate publications in HEP more readily for OS future

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
 - Assessment is done transparently and shared with publishers.
 - Objection possibility for publishers
- ✱ Calculation of average SCOAP³ Score, weighted by the number of SCOAP³ 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)

Results 2025 - 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 (<i>further calculation on development of available dataset links will be done in 2026</i>)
Software Linking	2	1.97	Information provided by publishers (<i>further calculation on development of available software links will be done in 2026</i>)
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

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

Results 2025 by publisher

Publisher	Journal	Score 2025
APS	Physical Review C (PRC)	20.18
	Physical Review D (PRD)	
	Physical Review Letters (PRL)	
Elsevier	Nuclear Physics B (NPB)	11.70
	Physics Letters B (PLB)	
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)	13.33
	The Journal of High Energy Physics (JHEP)	
Wiley	Advances in High Energy Physics (AHEP)	7.00
SCOAP ³ average		15.41

A glimpse into 2026 results...

- * All publishers have improved
- * Gap between the lowest and highest score has reduced
- * General improvement for ORCID and ROR provision as well as CrossRef metadata
- * No improvement:
 - Public peer-review
 - Accessibility
- * This year we evaluated the presence of links to datasets/software compared to last year:
 - Some evolution but not enough to generate points
 - Metadata not registered in a standardised way

Outlook

- ✱ We can observe an improvement across SCOAP3 journals
- ✱ Final evaluation will be known early April 2026
- ✱ Overall objective of this model is to create incentives to develop Open Science practices across the portfolio
- ✱ Ongoing dialogue with publishers is important
- ✱ Still a lot of work to be done (e.g. links to Dataset/Software)
- ✱ Open Question: what about the rest of the portfolio?

THANK YOU

Any Questions or Comments?

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<https://scoap3.org>

