



MAX PLANCK
digital library

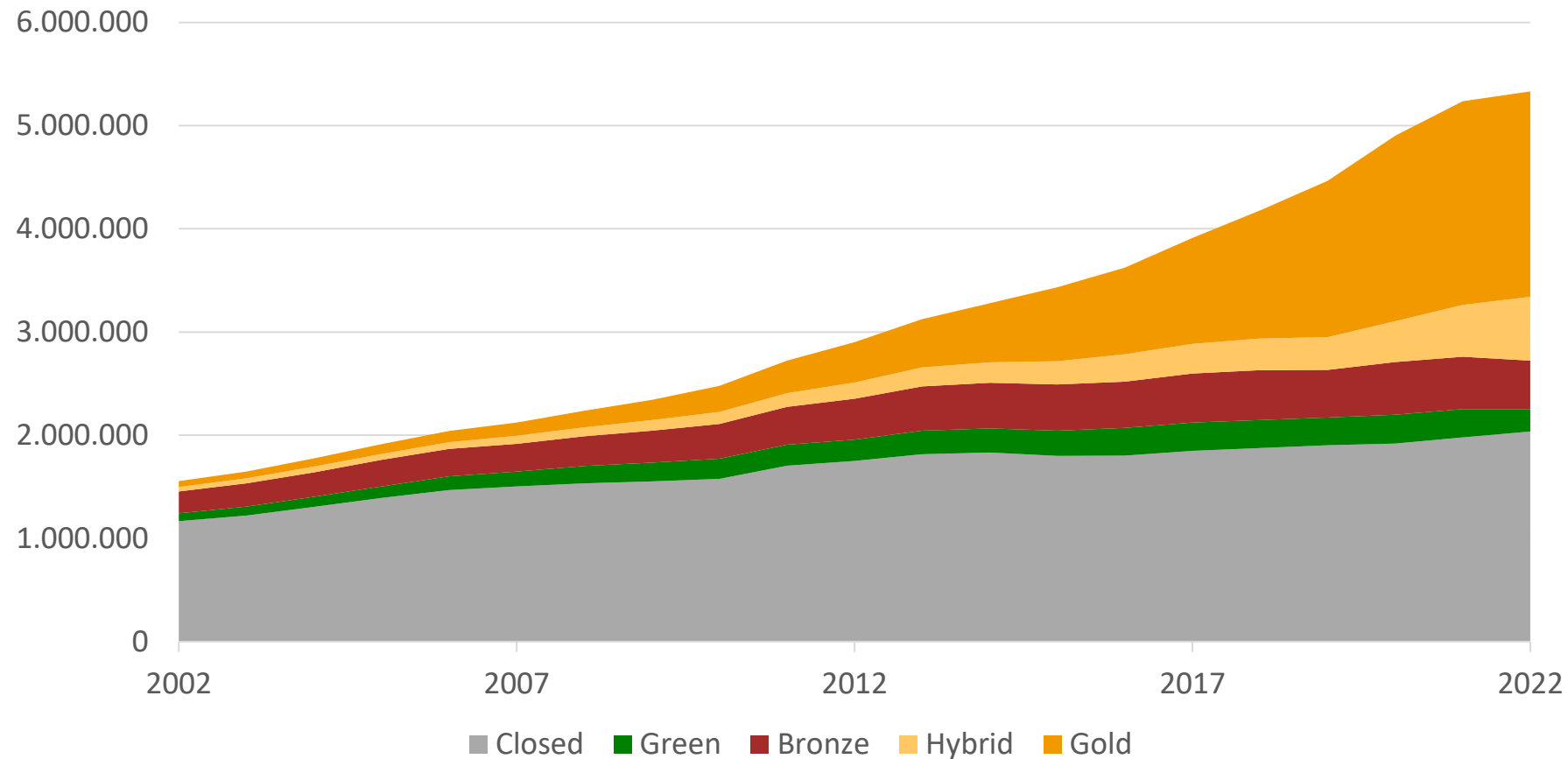
CURRENT DEVELOPMENTS IN THE FIELD OF OPEN ACCESS

Open Science Days 2024
January 29, 2024

Ádám Dér, Max Planck Digital Library

THE SCHOLARLY PUBLISHING ENVIRONMENT

CONSTANT GROWTH IN RESEARCH AND ITS OUTPUTS



Research outputs grew continuously from around 1,5M in 2002 to more than 5M in 2022

Gold and hybrid OA are the largest growth factors

Source **Dimensions**

A data paper by the MPDL Big Data Analytics Group. DOI [10.17617/2.3361428](https://doi.org/10.17617/2.3361428)

POLICIES PROMPTING AN ACCELERATION OF OPEN ACCESS



European Council
Council of the European Union

Home > Press > Press releases

Council of the EU Press release 23 May 2023 10:27

Council calls for transparent, equitable, and open access to scholarly publications



Open Access in Deutschland

Gemeinsame Leitlinien von Bund und Ländern

Recommendations on
the **Transformation of
Academic Publishing:**
Towards Open Access

AUGUST 25, 2022

OSTP Issues Guidance to Make
Federally Funded Research Freely
Available Without Delay

QUANTIFYING THE IMPACT OF THE OSTP POLICY

” Four of the most prestigious, mostly paywalled, scholarly journals (Nature, Science, Cell, PNAS) get more than 40% of their papers from federally funded research, with a minority of these papers currently published as hybrid-OA.

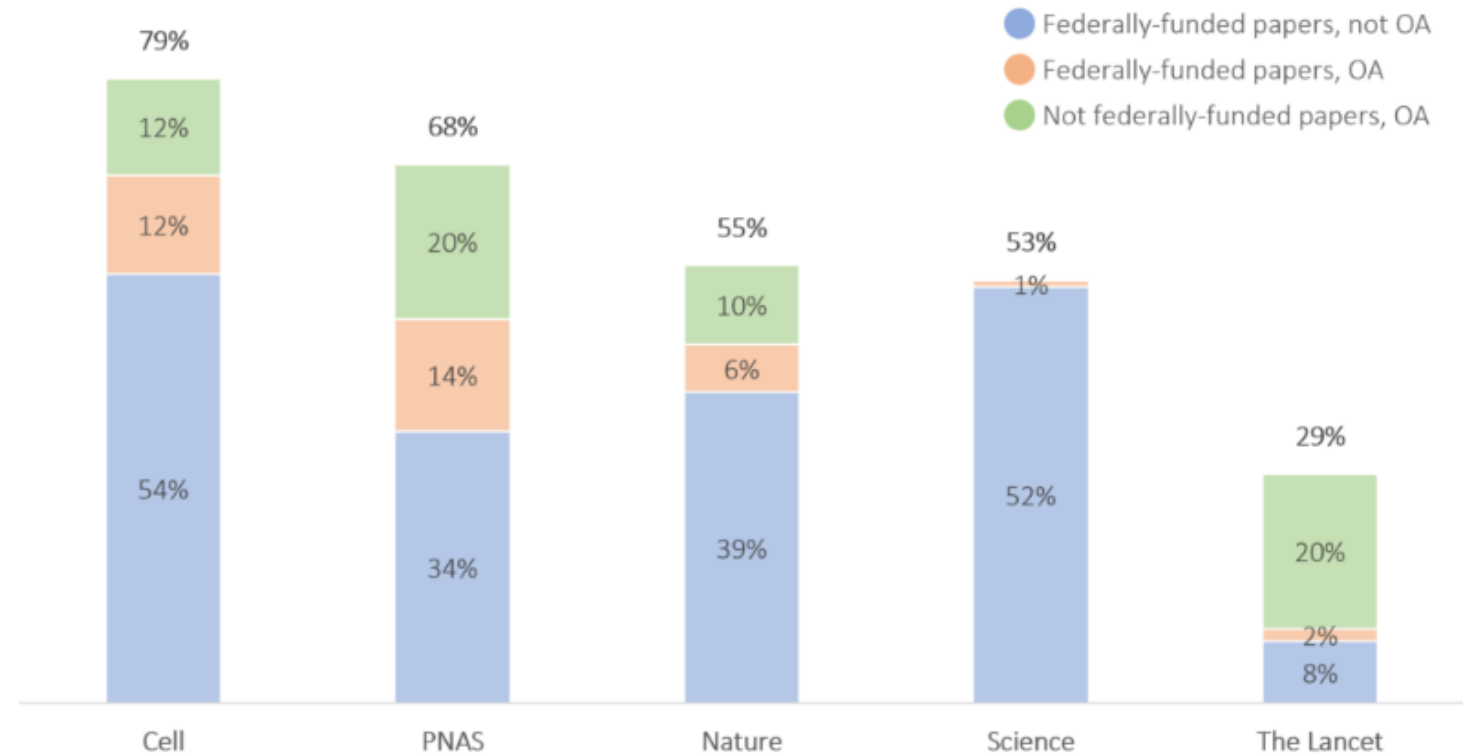


Figure 5. Papers by funding status and OA status for leading scholarly titles. Articles and Review Articles in 2021 per the Web of Science (SCIE, SSCI, AHCI, and ESCI indexes).

Source Scholarly Kitchen

<https://scholarlykitchen.sspnet.org/2022/09/13/guest-post-quantifying-the-impact-of-the-ostp-policy/>

PUBLISHING NEWS FLIPPING JOURNALS AND PORTFOLIOS



We are transforming the vast majority of research publishing in our journals to open access by 2025. We flipped a number of journals to open access in 2023 as part of this transformation, and are pleased to announce a further 41 flips for 2024.

Royal Society of Chemistry commits to 100% Open Access

31 October 2022

The Royal Society of Chemistry (RSC) announced today that it aims to make all fully RSC-owned journals Open Access within five years, making it the first chemistry publisher and one of the first society publishers to commit to a fully Open Access future.



Royal Astronomical Society announces all journals to publish as open access from 2024

The Royal Astronomical Society (RAS) has today announced that all journals published by the Society will be Open Access (OA) from January 2024. This [move](#) will enable everyone in the global community to have free, immediate, and unrestricted access to the high-quality research published in the portfolio of RAS journals.

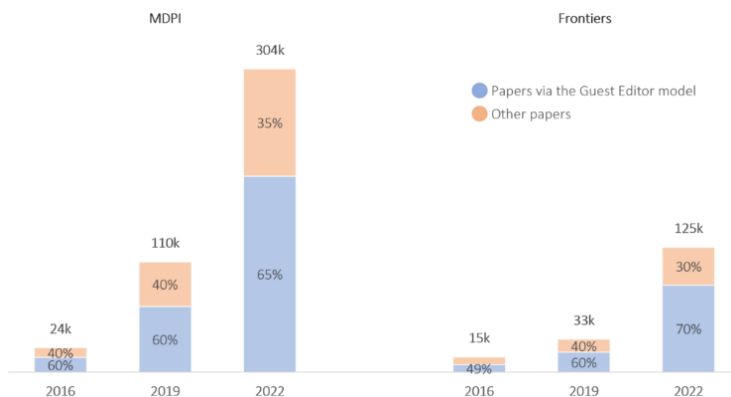
The road to open access

In 2022 61% of papers published in Royal Society journals were open access, up from 53% in 2021. When 75% of articles published in *Biology Letters*, *Interface*, *Proceedings A* and *Proceedings B* are open access, we will flip those journals to fully open access.

PUBLISHING NEWS

Fast-growing open-access journals stripped of coveted impact factors

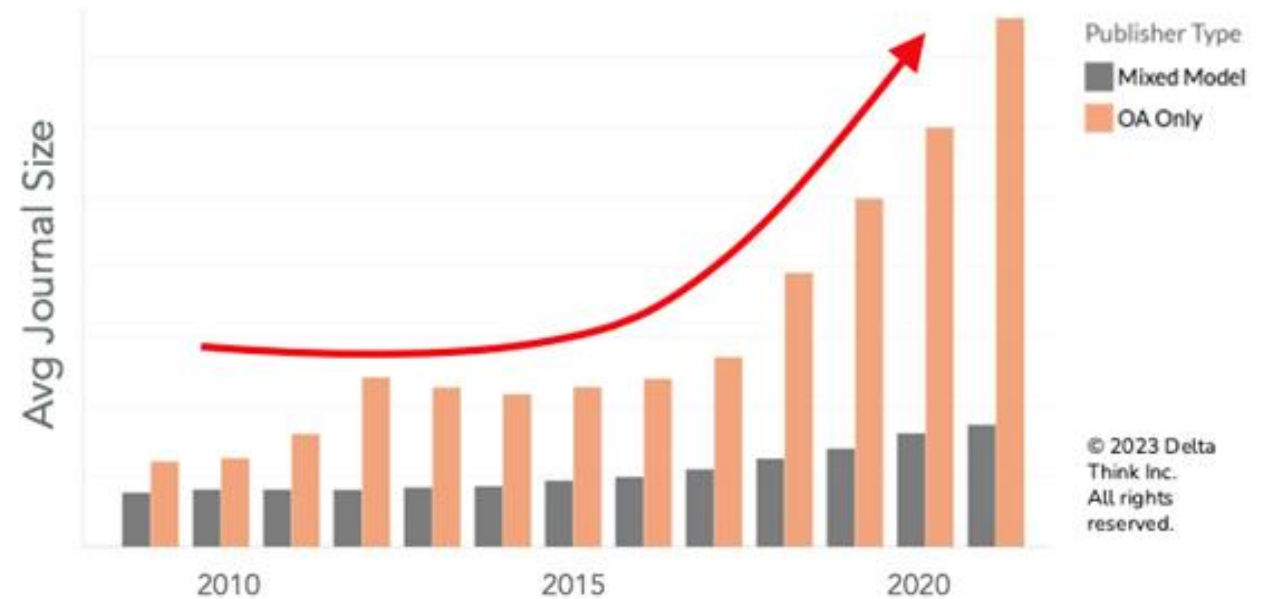
19 Hindawi journals and two MDPI titles after reports circulated about their removals. The MDPI journals include the International Journal of Environmental Research and Public Health, which published about 17,000 articles last year. In 2022, it had a Web of Science journal impact factor of 4.614, in the top half of all journals in the field of public health.



MDPI's and Frontiers' volume of published papers and proportion of papers via the Guest Editor model. Based on data from publisher websites; the Guest Editor uptake for MDPI is based on samples of 1,000 papers for each year.

[Guest Post – Of Special Issues and Journal Purges](#)

Figure 2: Average fully OA journal size by publisher type over time



OA Only publishers have historically published slightly larger journals, but the size of their journals has really taken off over the last decade.

It appears that Mixed Model publishers continue apply their tried and trusted subscription thinking to their fully OA journals. This means that they need to create more and more journals to keep up with demand, with all the overhead that implies.

[Delta Think News & Views: Fully Open Access Journals – Size Does Matter](#)

PUBLISHING NEWS

MASS RESIGNATIONS

Wiley Removes Goodin as Editor of the Journal of Political Philosophy (Updated)



We're delighted to announce the launch of a new Open Library of Humanities journal. [Political Philosophy](#) is edited by Prof. Robert Goodin (Australian National University)

Editors quit top neuroscience journal to protest against open-access charges

Members of the departing editorial teams say that the fees to publish articles are unsustainable.

The MIT Press to launch open access journal Imaging Neuroscience

The MIT Press | [journals](#), [neuroscience](#), [press news](#)

PUBLISHING NEWS
PREPRINT REVIEWS



ASAPbio



PREVIEW

Open preprint reviews.
For all researchers.



biophysics
COLAB

Review
COMMONS



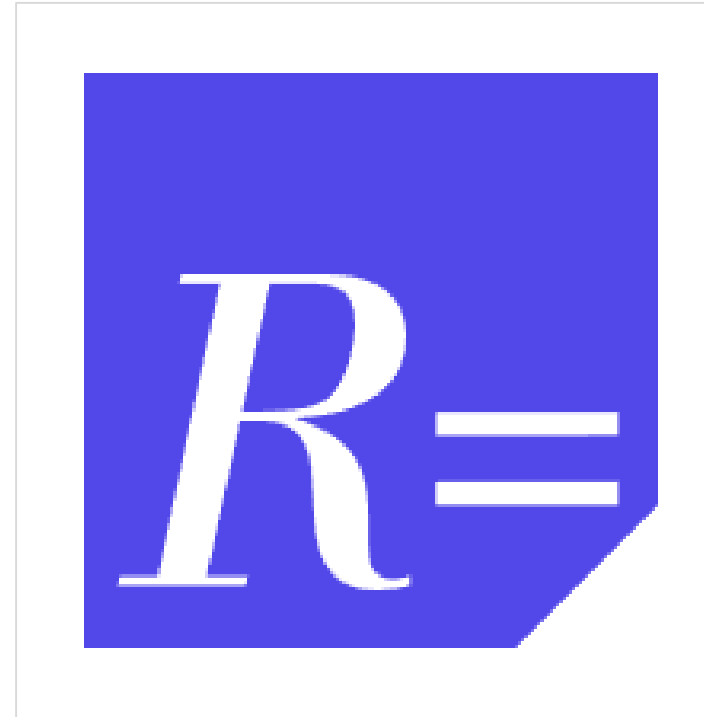
preLights

PUBLISHING NEWS EMERGING PLATFORMS

Scenario modelling for Open Research Europe

ORE total expenditure would be just under €16m over the five period 2026-2030. It would publish a total of 6,600 articles over this period at an average cost per article of €2,400. The cost per article would be higher in the earlier years and lower in the later years as publication volumes grow and fixed costs are spread across a larger number of articles.

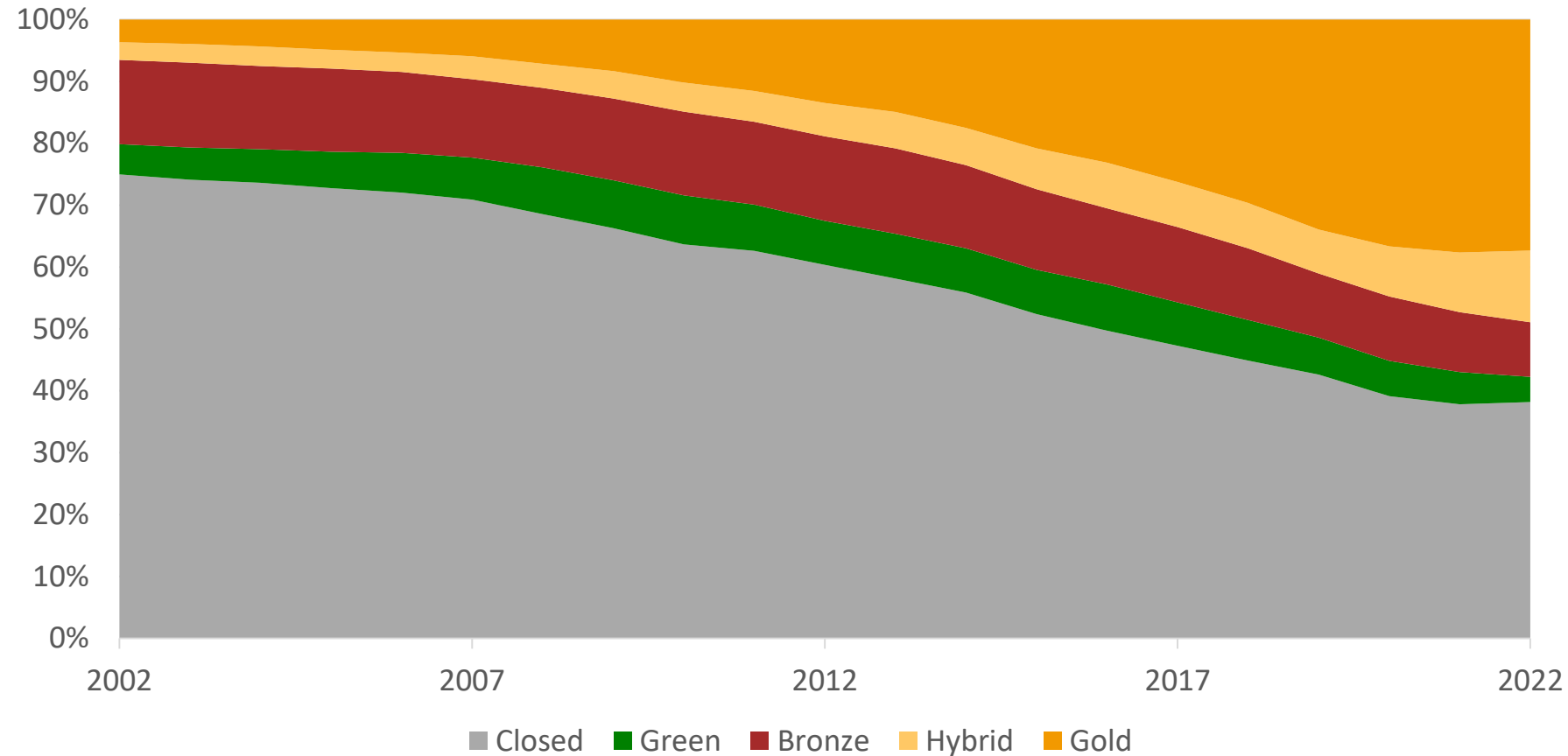
See also Not-for-profit scholarly publishing might not be cheaper – And that's OK
<https://blogs.lse.ac.uk/impactofsocialsciences/2024/01/09/not-for-profit-scholarly-publishing-might-not-be-cheaper-and-thats-ok/>



Octopus

THE SCHOLARLY PUBLISHING ENVIRONMENT

GROWTH OF OPEN ACCESS PUBLISHING



~45% of all scholarly articles were published as paid-for open access in 2022

Mid-term growth is likely to be 14%-15% in both volume and value

Sources

Dimensions

Data paper by the MPDL Big Data Analytics Group. DOI [10.17617/2.3361428](https://doi.org/10.17617/2.3361428)

Delta Think Market Sizing Report

<https://deltathink.com/news-views-open-access-market-sizing-update-2022>

PUBLISHING NEWS STEPS TOWARDS EQUITY



Community Action
Publishing

Fair Global Pricing: consultation

18/09/2023

cOAlition S commissioned [Information Power](#) to explore how a [globally fair pricing framework for academic publishing](#) could be devised and implemented. The key was to identify ways in which readers and producers of scientific articles – research funders and universities – can financially support academic publishing services in a globally equitable and sustainable way.

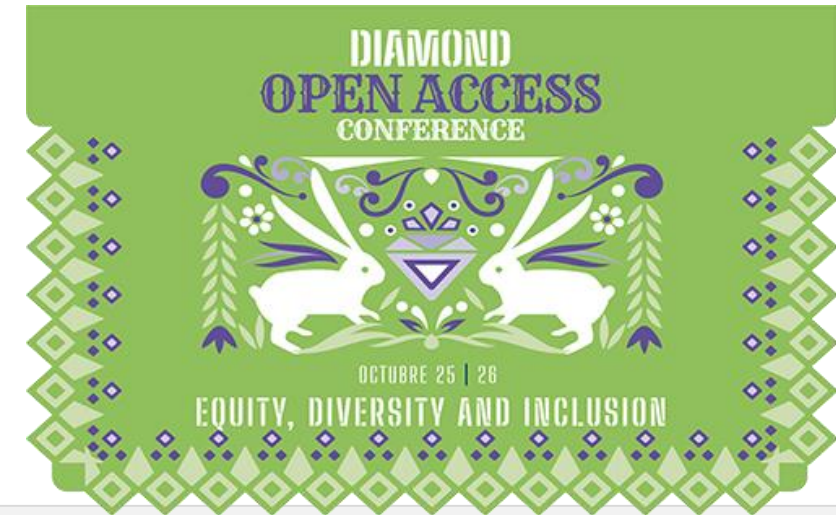
Moving away from APCs: a multi-stakeholder working group convened by cOAlition S, Jisc and PLOS

Nature announces support for authors from over 70 countries to publish open access

From today, primary research from authors from over 70 countries classified by the World Bank as low-income (LIC) or lower-middle-income economies (LMICs) accepted for publication in either Nature or one of the Nature research journals

A fair pricing model for open access

Publishing charges should reflect local economic realities [...] We propose that the pricing tiers should be calculated using purchasing-power parity.



Cambridge Open Equity Initiative

Starting with **authors based in low- and middle-income countries**, our pilot approach is delivered through collective funding, bringing together financial support from Cambridge and our institutional partners. Authors will be eligible from July 1st 2023.

No application is required and **authors are automatically recognised** as eligible for open access publishing once their paper has been accepted.

Authors are able to submit their paper to all of our **gold and hybrid** journals at no direct cost to them or their institution.

PUBLISHING NEWS

MORE PUBLISHERS ADOPT SUBSCRIBE TO OPEN MODEL

ASM Announces Shift to Subscribe to Open Publishing Model

July 11, 2023



AMERICAN
SOCIETY FOR
MICROBIOLOGY

Biochemical Society launches innovative Subscribe to Open model for its journals

October 30, 2023

Project MUSE Accelerates Move to Open Access with Publisher S2O Commitments

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BioOne Announces Subscribe to Open Pilot

[PRESS RELEASE](#)

ECONOMIC MODELS



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Figure 1: Comparison of OA Article Share and Revenue Share, 2021

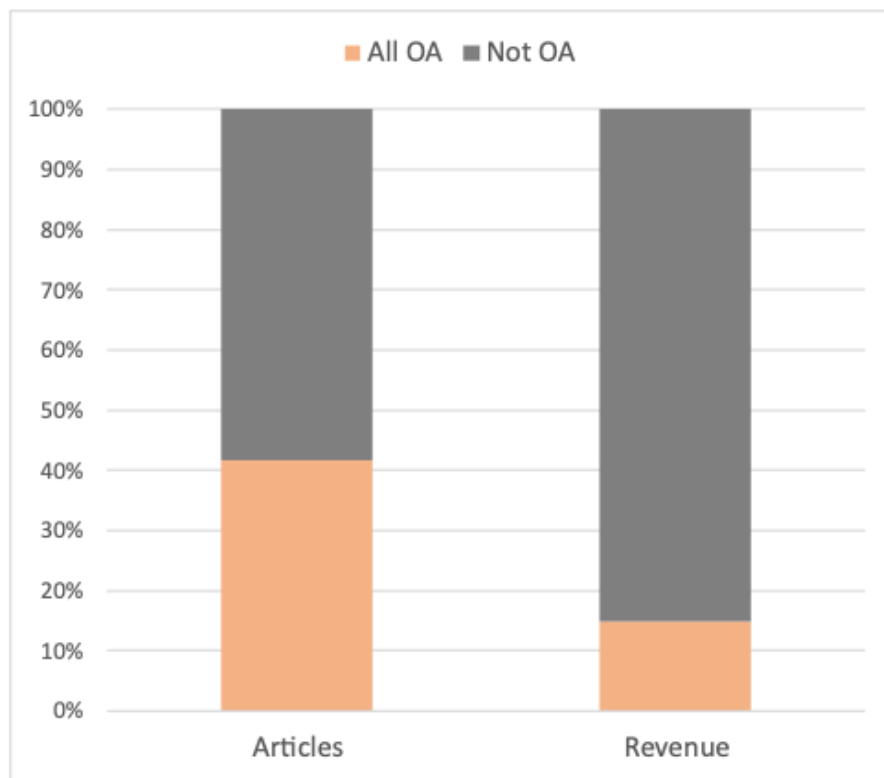
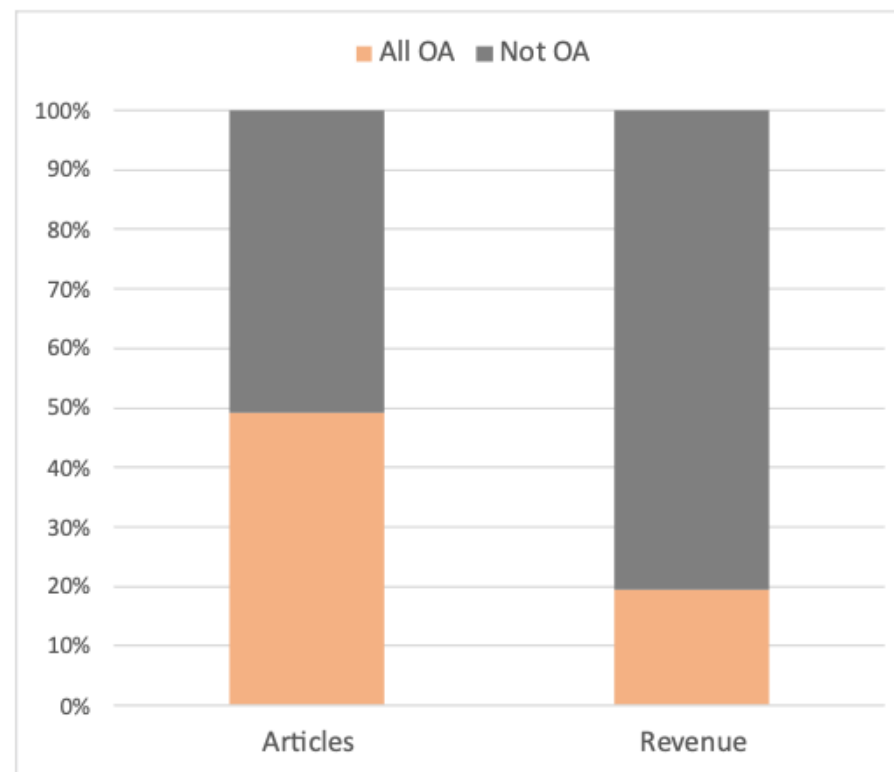
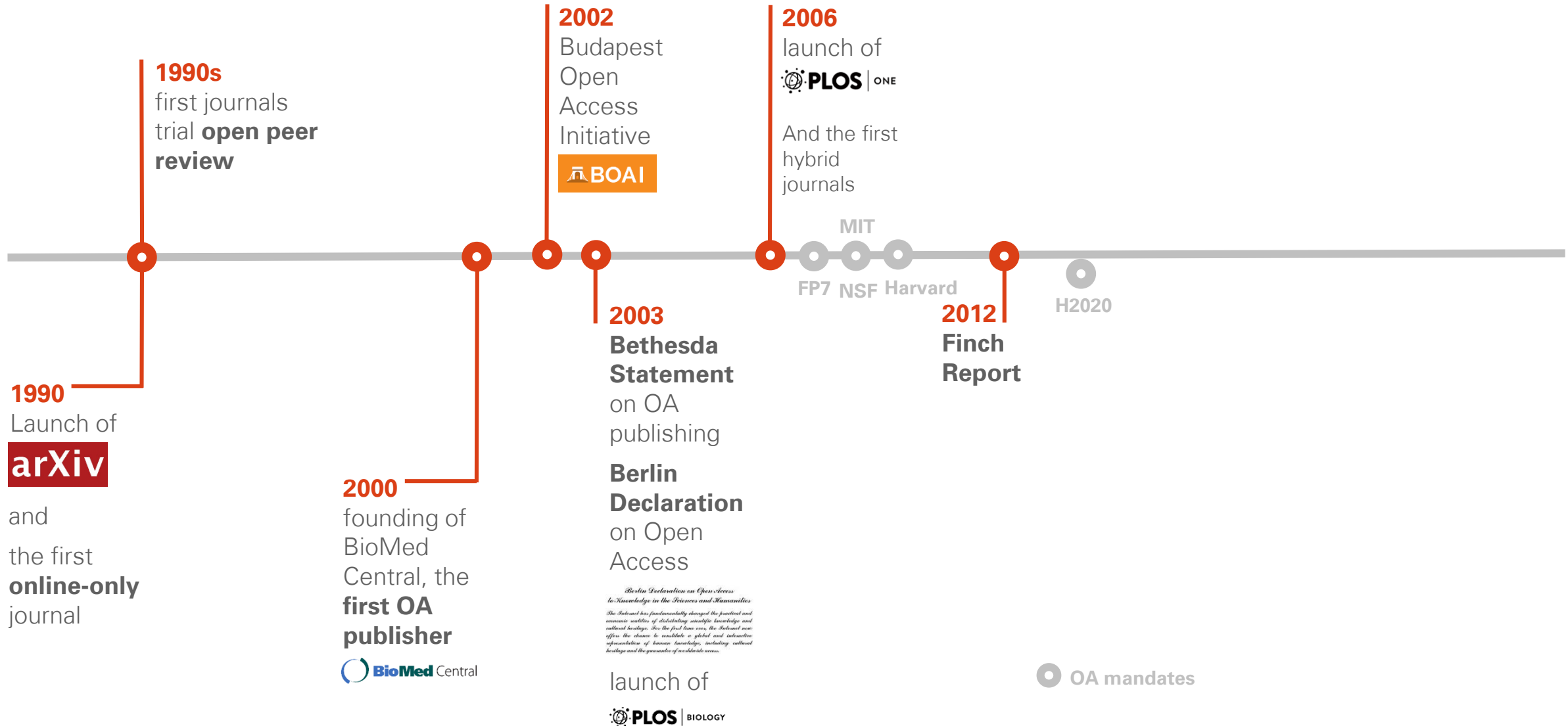


Figure 1: Comparison of OA Article Share and Revenue Share, 2022



Source: Delta Think Market Sizing Reports 2022 and 2023
<https://deltathink.com/news/>

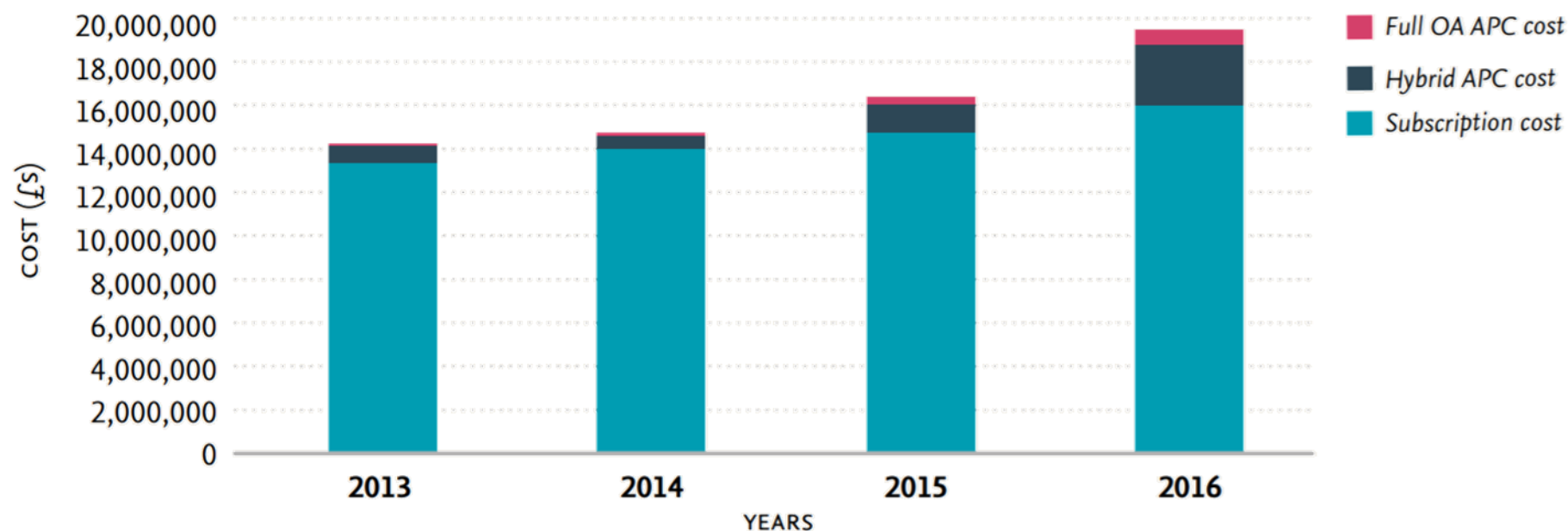
THE RECENT HISTORY OF OPEN SCHOLARLY COMMUNICATION



TENSIONS AT PLAY

AUTHOR-FACING APCs ON TOP OF LIBRARY SUBSCRIPTIONS

Figure 4.3 – Total subscription and APC expenditure, 2016*

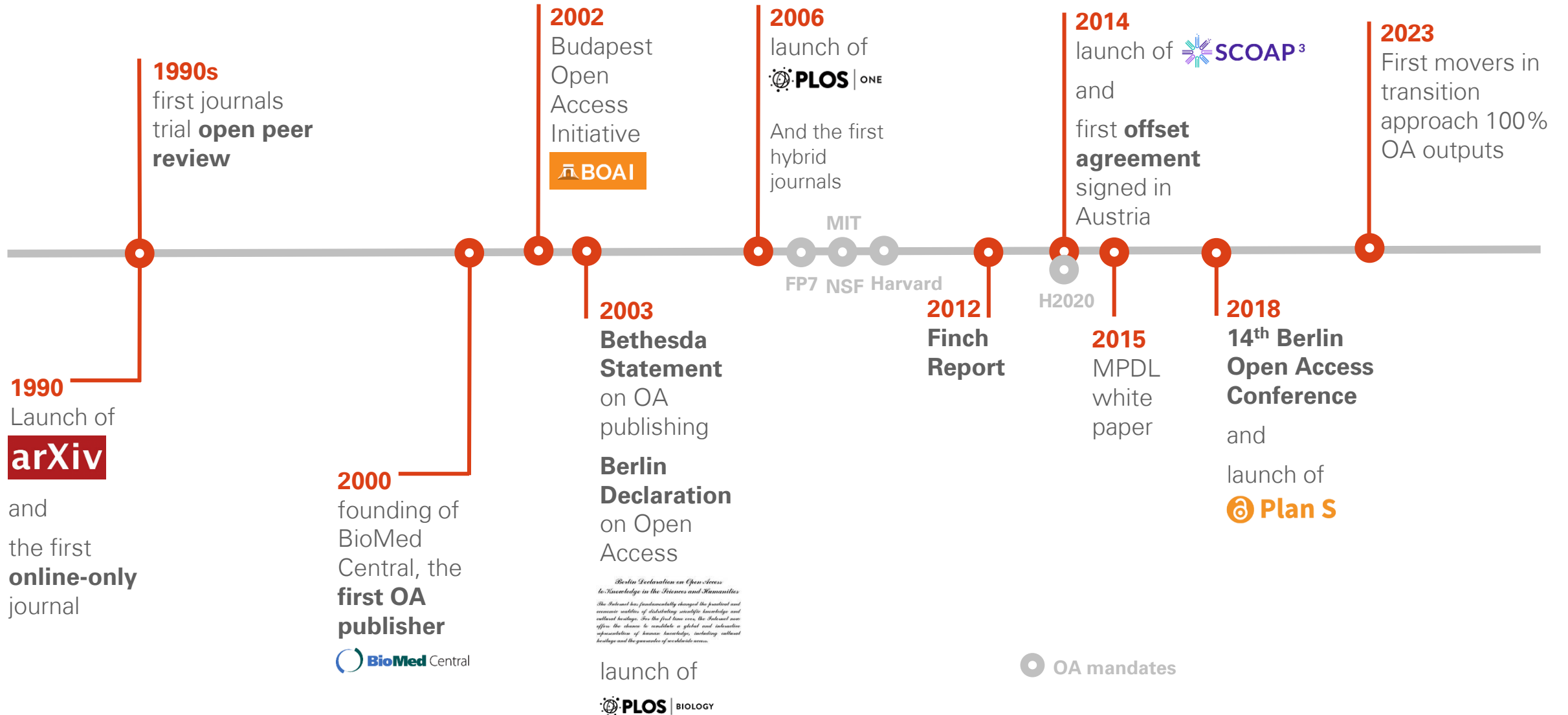


* in £s, 10 institutions: Cranfield University, King's College London, Queen Mary University of London, Royal Holloway – University of London, Swansea University, University of Birmingham, University of Cambridge, University of Glasgow, University of Liverpool, University of Sussex; and 7 publishers: Elsevier, Wiley, Springer, Taylor & Francis, Sage, Institute of Physics, Royal Society of Chemistry

Source **Monitoring the transition to Open Access (2017)**

<https://www.universitiesuk.ac.uk/sites/default/files/uploads/Reports/monitoring-transition-open-access-2017.pdf>

THE RECENT HISTORY OF OPEN SCHOLARLY COMMUNICATION



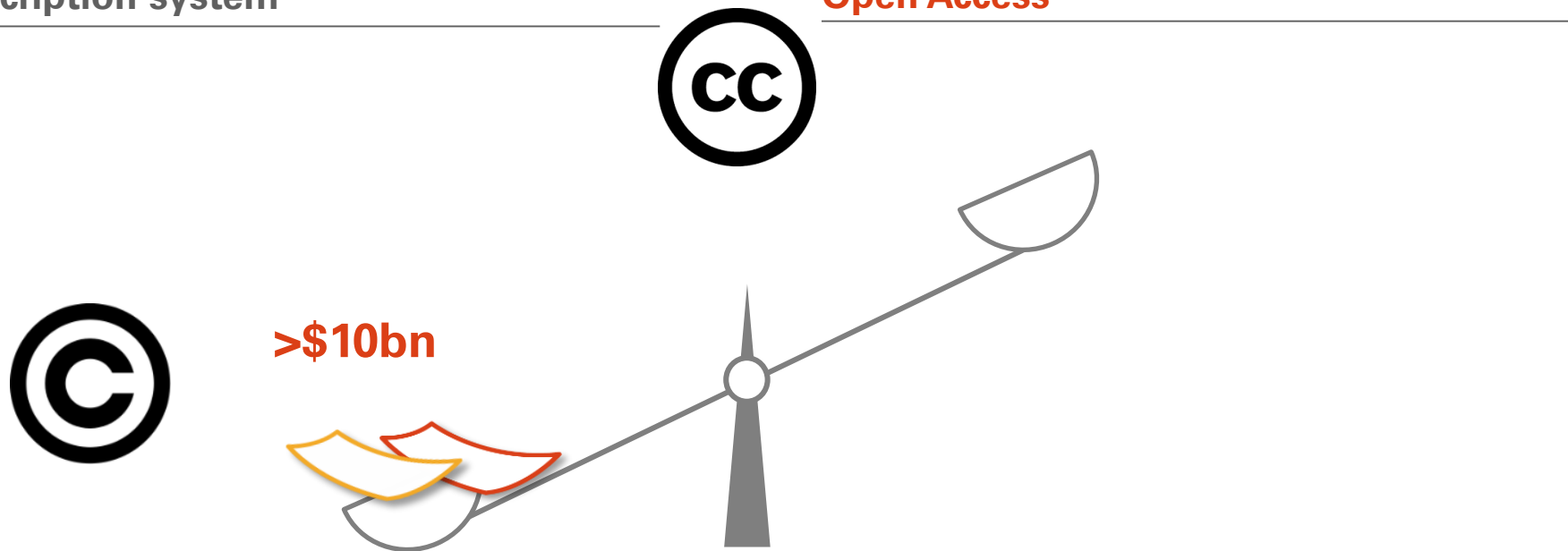
Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities
 The National has fundamentally changed the landscape and economic realities of disseminating scientific knowledge and cultural heritage. For the first time ever, the National now offers the chance to resuscitate a global and inclusive representation of human knowledge, including cultural heritage and the generation of new digital assets.

TRANSFORMATIVE AGREEMENTS

Transformative agreements repurpose library subscription expenditures to support open access publishing of articles by the institutions' authors (and maintaining reading access still needed). They provide institutions with a cost-neutral framework to repurpose their current investments around open access—as well as their workflows, processes, budgets and more.

Subscription system

Open Access



Source Disrupting the subscription journals' business model for the necessary large-scale transformation to open access
Schimmer et al. 2015 <https://hdl.handle.net/11858/00-001M-0000-0026-C274-7>

PROJEKT DEAL



DEAL KONSORTIUM



Agreements

Projekt DEAL's transformative agreements drive the open access transition in scholarly publishing.

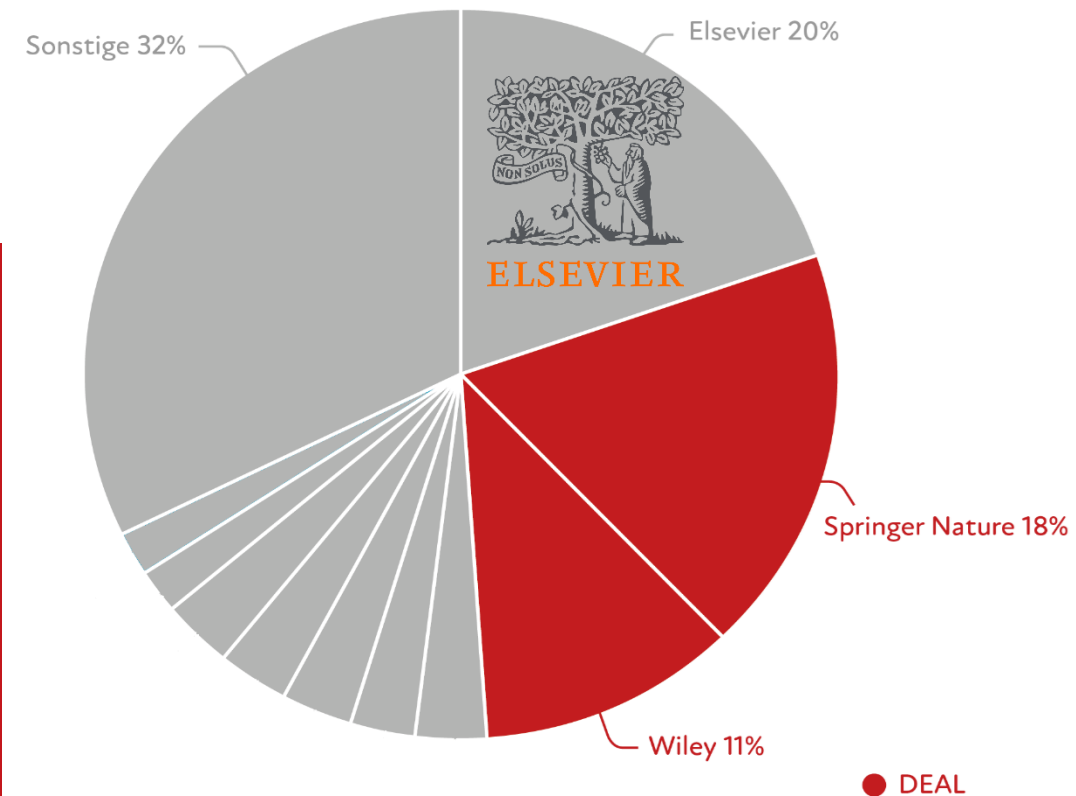
The DEAL agreements support researchers in openly disseminating their peer-reviewed articles by converting former institutional payments for subscriptions (reading) into funds that cover the cost of open access publishing. The agreements reduce the overall costs of scholarly communication, increase the visibility and impact of the new German research, and massively expand readers' access to knowledge.

The Alliance of Science Organizations in Germany established Projekt DEAL to negotiate transformative open access agreements with the largest academic publishers (Elsevier, Springer Nature, Wiley). Negotiations of transformative agreements with other publishers are coordinated by German library consortia, including through the Forum 13+ working group.

WILEY

SPRINGER NATURE

ELSEVIER

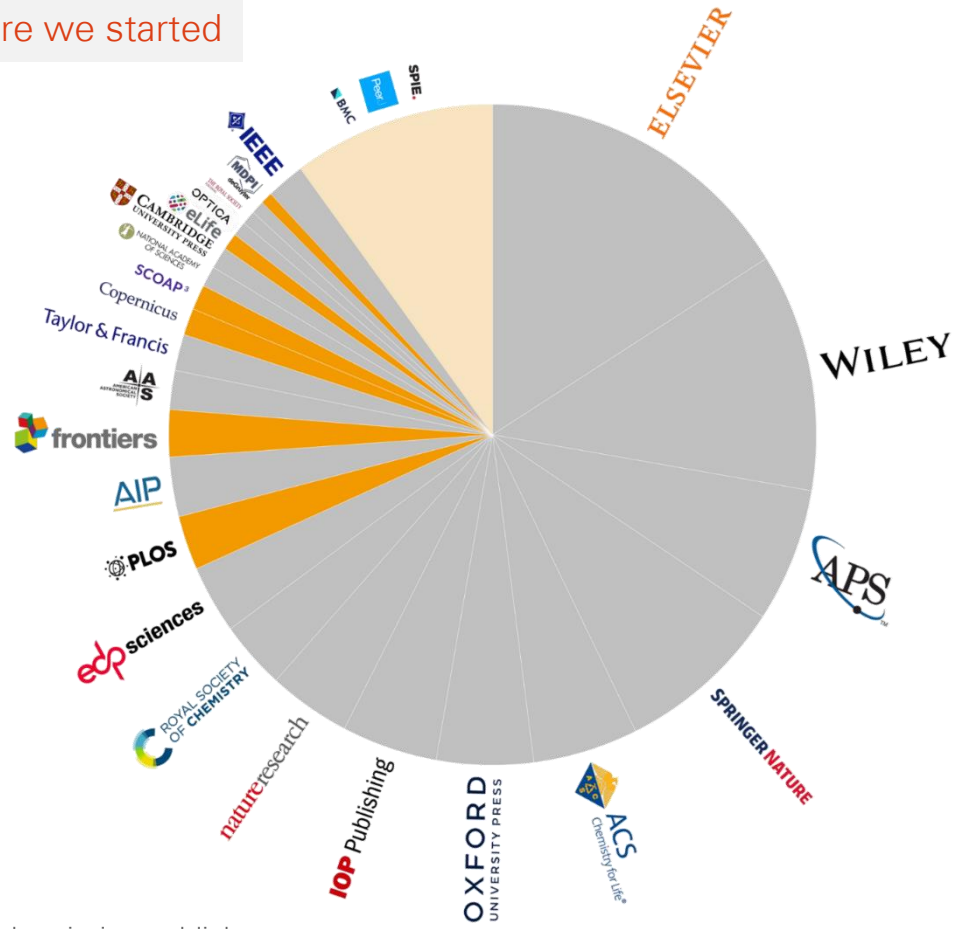


<https://deal-konsortium.de/ueber-deal/hintergrund-und-ziele>

OPEN ACCESS TRANSITION AT THE MAX PLANCK SOCIETY

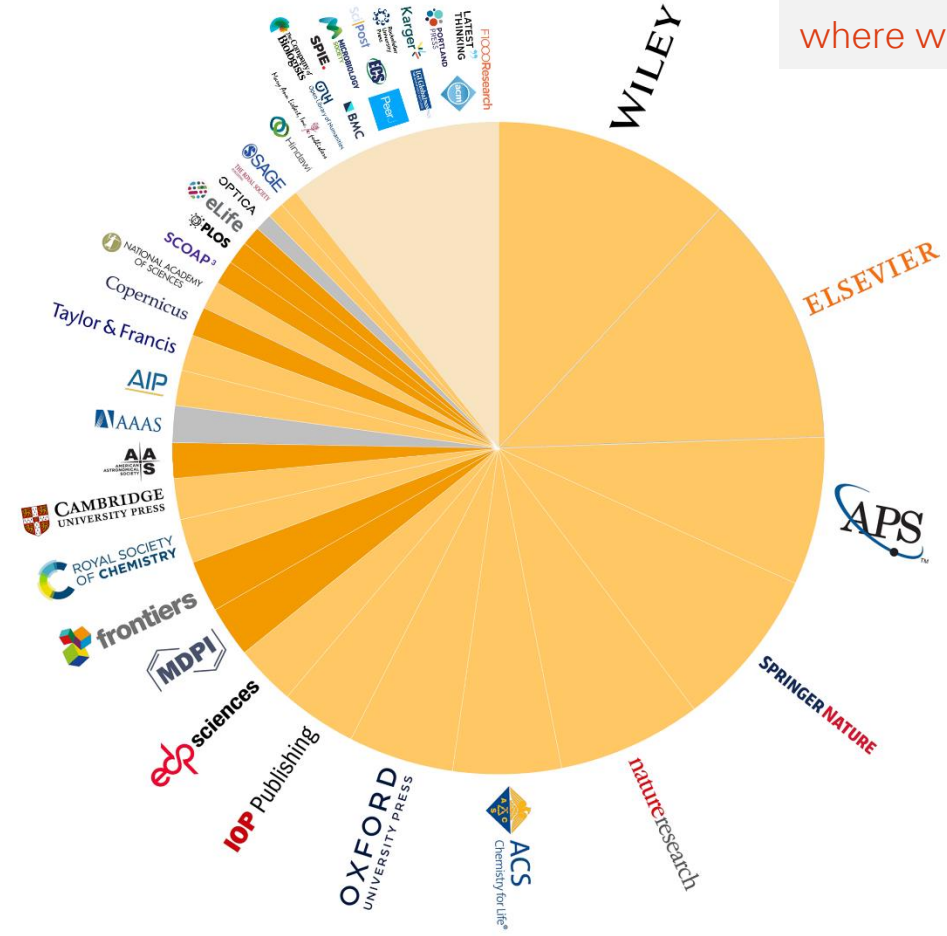
2015




where we started



2023

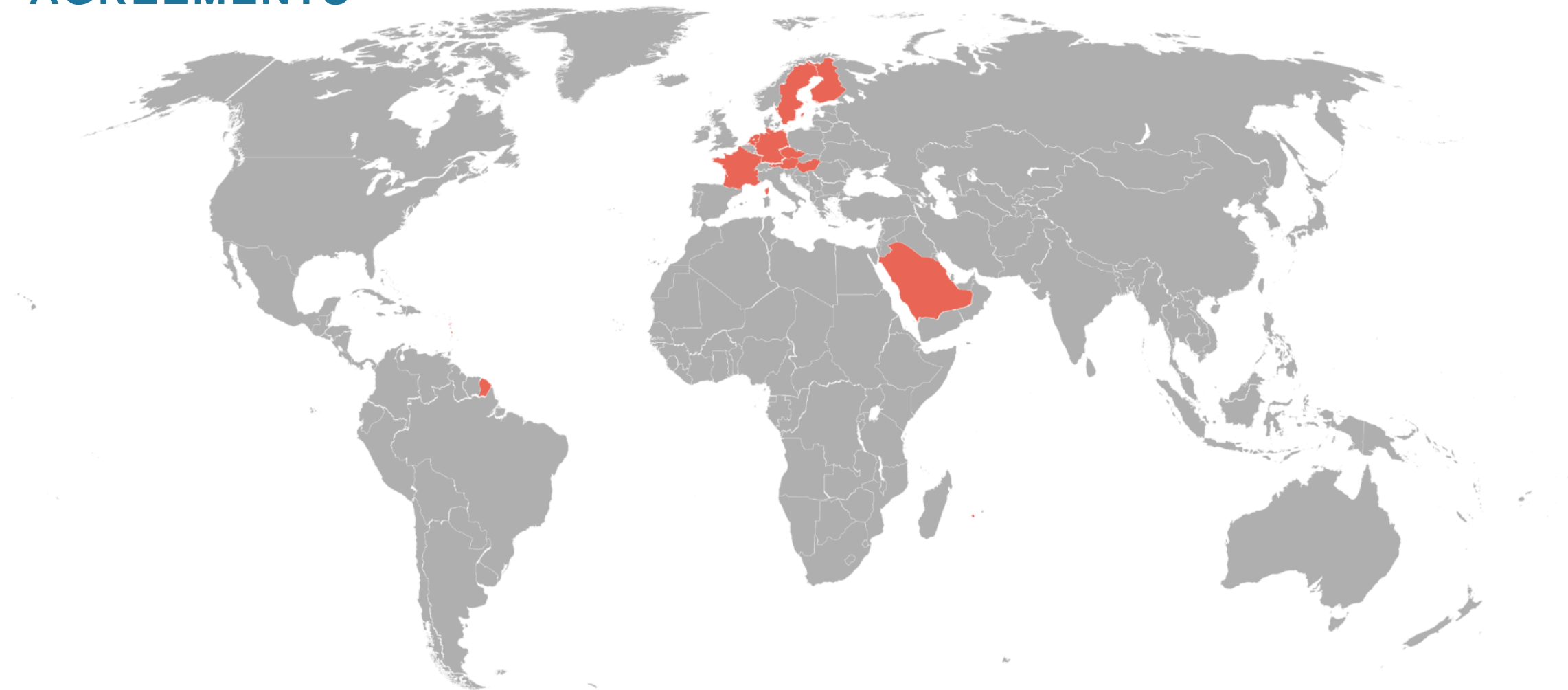
where we are now



-  subscription publisher
-  transformative agreement
-  open access publisher

GEOGRAPHIC DISTRIBUTION OF TRANSFORMATIVE AGREEMENTS

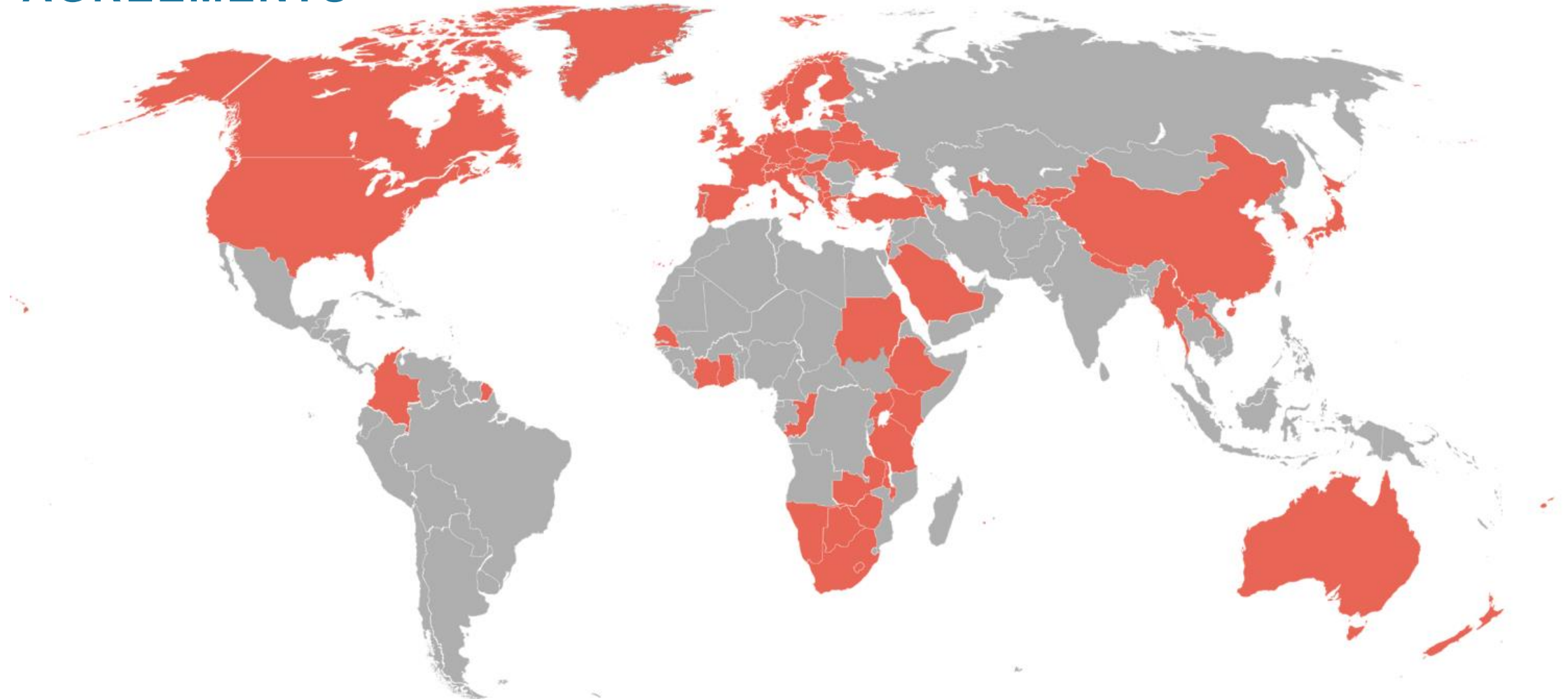
2018



Source: Countries with transformative agreements listed in the [ESAC Registry](#)

GEOGRAPHIC DISTRIBUTION OF TRANSFORMATIVE AGREEMENTS

2023



Source: Countries with transformative agreements listed in the [ESAC Registry](#)

DUTCH UNIVERSITIES NEARING 100% OPEN ACCESS OUTPUTS

NETHERLANDS 08 SEP 2023 | 🔒

Dutch universities set sights on 100% open access

By Krijn Soeteman in Amsterdam

Share    



Institutions call for proactive government support to remove final barriers to open publishing

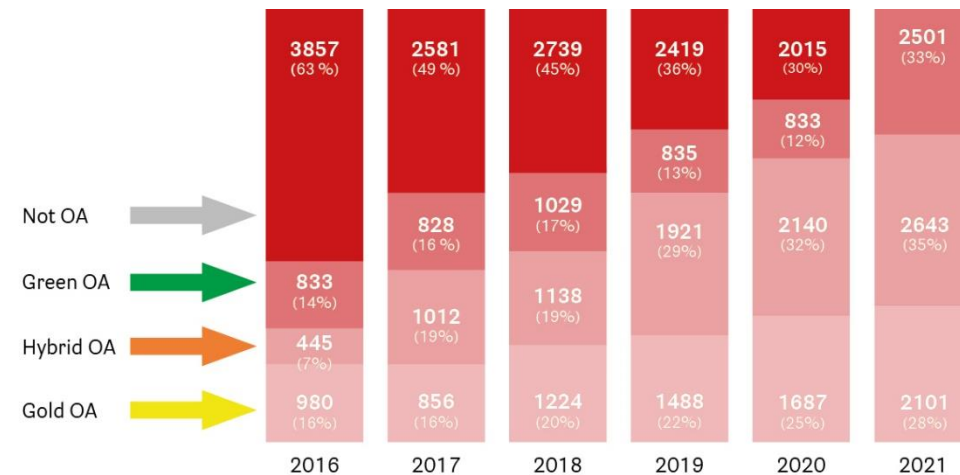
The proportion of academic articles in the Netherlands that were published open access rose to 89 per cent in 2022, up from 82 per cent in 2021, according to a survey by the UNL association of universities.

Source Research Professional News

<https://www.researchprofessionalnews.com/rr-news-europe-netherlands-2023-9-dutch-universities-set-sights-on-100-open-access/>

Almost 100% open access achieved at the UG/UMCG

30 June 2022



Source University of Groningen

<https://www.rug.nl/news/2022/06/steep-rise-of-open-access-uptake-at-the-ug-umcg>

See also: You share, we take care!

<https://www.openaccess.nl/en/in-the-netherlands/you-share-we-take-care>

SWITZERLAND TAKING STEPS TO 100% OPEN ACCESS

OTHER NATIONS 11 AUG 2023

SNSF's open-access research share up an 'unprecedented' 22%

By Andrew Silver

Share    



Image: Grace Gay for Research Professional News

Swiss funder says share of open-access papers increased from 63 to 77 per cent

Source **Research Professional News**

<https://www.researchprofessionalnews.com/rr-news-europe-other-nations-2023-8-snsf-s-open-access-research-share-up-an-unprecedented-22/>

swissuniversities

Vision

Bis im Jahr 2024 erfolgt wissenschaftliche Publikation zu 100 % Open Access.

100%
Open
Access

2020

2021

2022

2023

2024

Source **swissuniversities**

<https://www.swissuniversities.ch/themen/digitalisierung/open-access/nationale-strategie-und-aktionsplan>



WORLD • EQUALITY

13 Ways the World Got Better in 2023

More scientific studies were free for anyone to access

The movement to increase public access to scientific research and data made huge strides in 2023. Major publishers and institutions including [Springer Nature](#) and [MIT](#) continued to operate fledgling programs dedicated to open access, including providing funding to researchers and supporting journals committed to sharing their data. Wiley, another academic publisher, surveyed [more than 600](#) researchers, and found that in 2023, 75% had published open access papers in the past three years, compared to just 44% of respondents in 2021. [Transformative agreements](#), which are a popular funding strategy enabling journals to move gradually toward open access, accounted for more than 272,000 scientific articles published in 2023, up from 233,000 in 2022 and just 167,000 in 2021.



**THANK YOU FOR
YOUR ATTENTION**

Ádám Dér
Max Planck Digital Library
der@mpdl.mpg.de
www.mpdl.mpg.de