

Open Access from the Publisher's Perspective

UKSG Webinar 21st August

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- We are a **professional body** for scientists with a global community of more than 50,000 members
- An **internationally renowned publisher** of high quality chemical science knowledge
- A **not-for-profit organisation**, we invest in supporting science education and outreach, holding scientific conferences, symposia, workshops & networking events, grants & funding



OUR PURPOSE

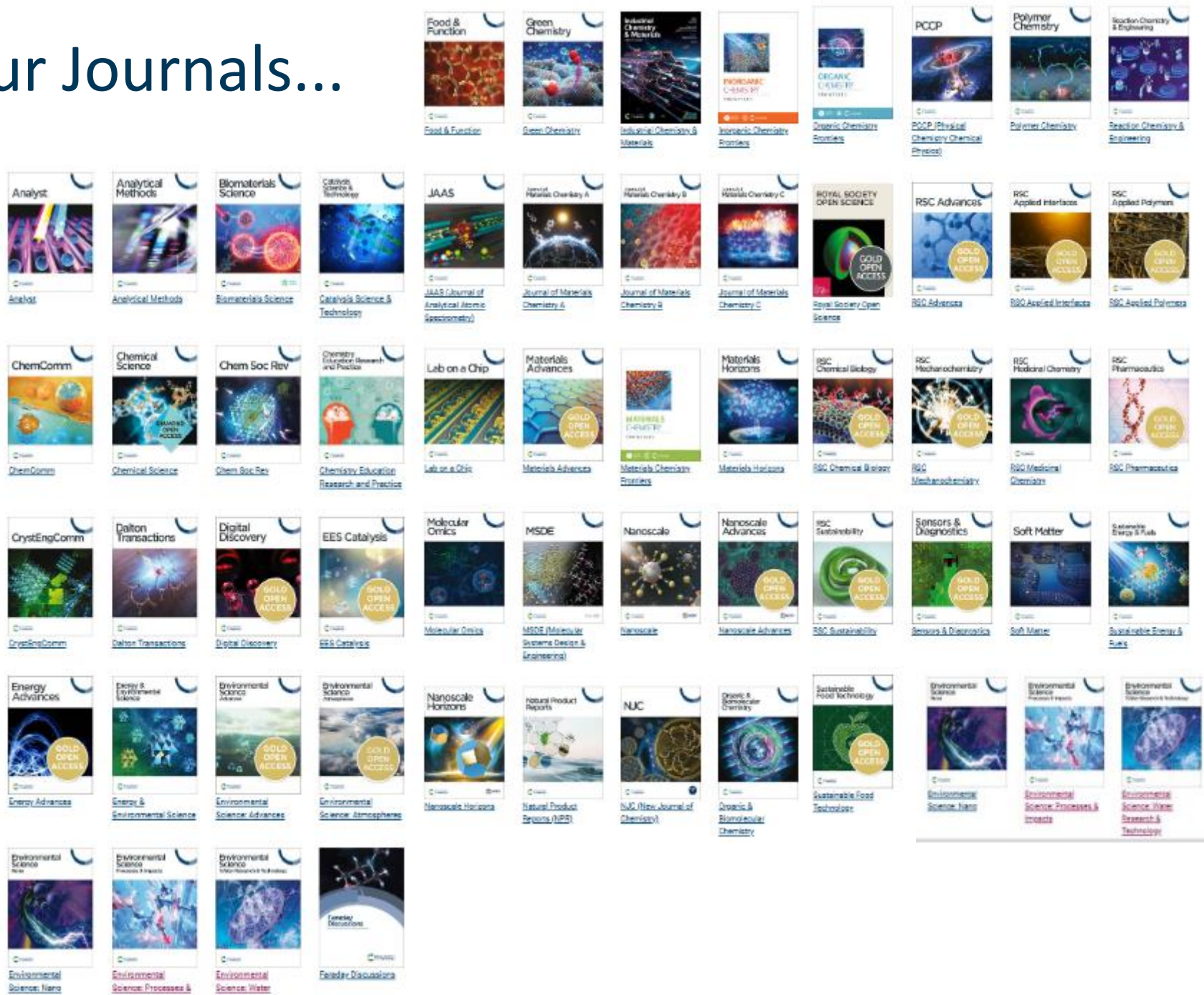
**To help the chemical science community
make the world a better place**

My role

- Manage journals, attract best new science and promote articles
- Ensure journals have rigorous, fair, efficient peer review
- Meet scientists to keep aware of field and attract top research
- Advise researchers on publishing best practice
- Manage the Editorial Team (pictured)



Our Journals...



We publish over **50 world-leading journals** that span the core chemical sciences and related fields. Known for **rigorous, fair peer review and fast publication times**, our journals **publish the best science**, from original research articles to authoritative reviews.



Polymers in liquid formulations (PLFs)



Polymers in liquid formulation (PLFs) are found in millions of consumer products like shampoo and paint, but every year \$125 billion worth are washed down drains and never recovered or recycled. Read our PLF reports, watch our videos about PLFs, see the members of our industry task force, and give your business's input.



Our studies, findings and reports

Precious elements and the circular economy



Many of the chemical elements that are essential to green technologies, as well as personal electronics like tablets and mobile phones, face supply chain risks. Explore this award-winning campaign to find out more about global attitudes to recycling electronic waste, and our reports and media coverage on this important topic.

Sustainable composite materials



Composites are strong, lightweight materials that are critical in driving the transition to a carbon-neutral world. But their production, manufacture and end-of-life carry their own environmental cost. We believe that chemistry can help the composites sector move towards more sustainable practices - find out how.

Sustainable laboratories



Laboratories in universities, research institutes, hospitals and companies are essential to research, analysis and teaching. However, laboratory buildings, processes and equipment can be resource and energy intensive. We asked our community how we can conduct this work in an environmentally sustainable way.



Open Science

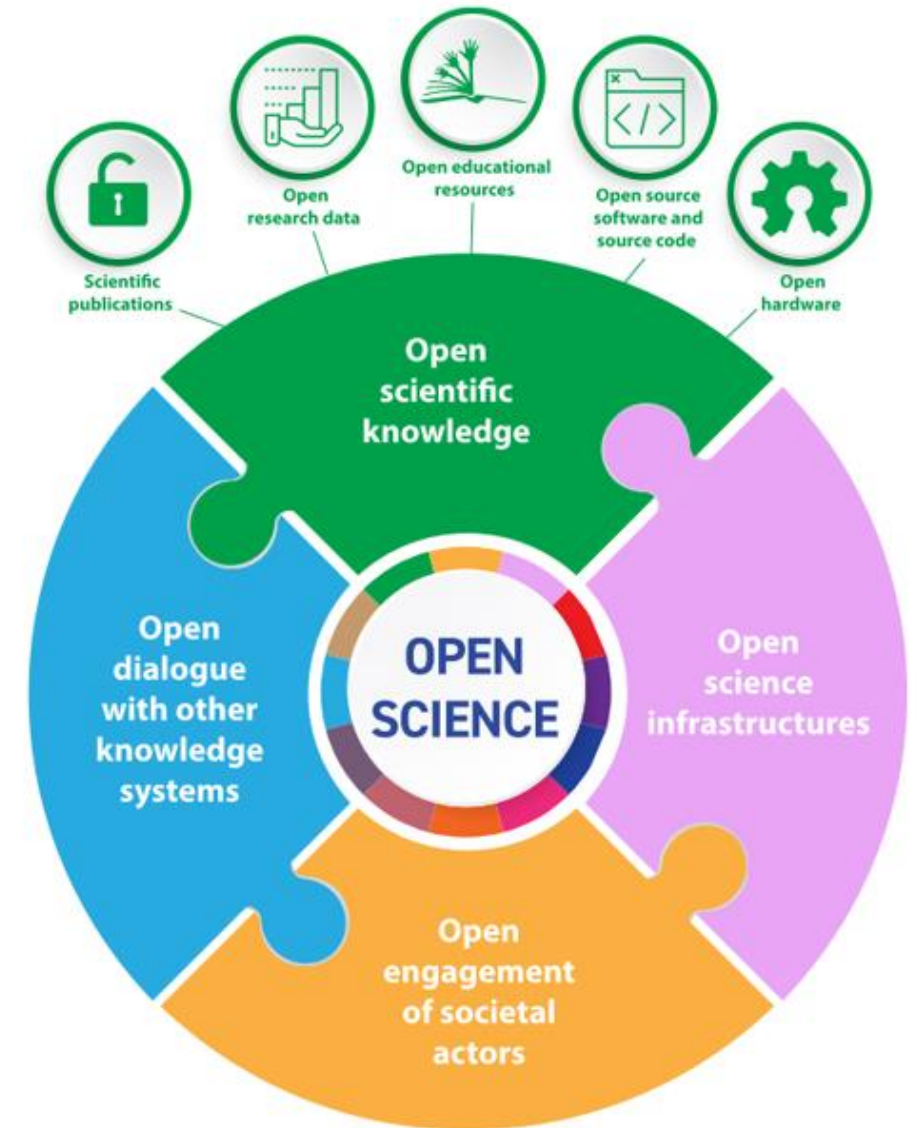


What is Open Science?

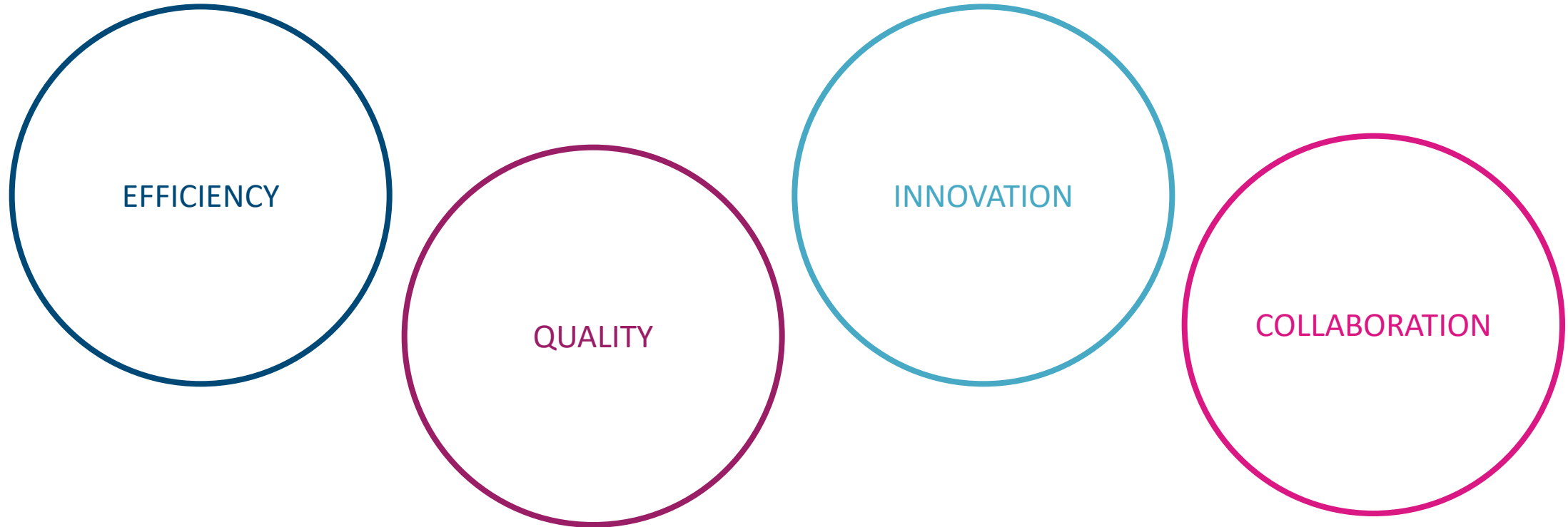
*"scientific knowledge **openly available, accessible and reusable** for everyone, to increase scientific collaborations and sharing of information for the benefits of science and society" – United Nations*

*"The principle and practice of making **research products and processes available to all**, while respecting diverse cultures, maintaining security and privacy, and **fostering collaborations, reproducibility, and equity.**" - U.S. Office of Science and Technology Policy and the National Science and Technology Council*

"as open as possible, as closed as necessary."



Why Open Science?



Our Commitment to OS

Our purpose is to help the chemical science community make the world a better place; we envision a world in which the chemical sciences fulfil their potential as a force for good. We strive to work with our community to break down barriers to advancing the chemical sciences and to ensure appropriate equitable, global access to knowledge and data.

Read the full statement here:

<https://www.rsc.org/journals-books-databases/open-science/>

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We believe that the best ways to enable chemical scientists to make the world a better place are through enabling greater access to knowledge, ensuring that tools and data are presented in a useful way, and that data is FAIR (Findable, Accessible, Interoperable, Reusable), that practices such as peer review are transparent, that research is carried out ethically and with integrity, that collaboration is encouraged and that ultimately more people are enabled and encouraged to participate in science.

As a group, these principles form the basis of the open science agenda – an agenda that is currently being defined by stakeholders from around the world. Our goal as a learned society, professional body, and publisher is to work with our community and stakeholders, including chemical science researchers across sectors, funders, and policymakers - to develop our vision for Open Chemistry. Together, we'll uncover barriers, assess motivations, pinpoint catalysts for change, and explore various pathways to an open future that best serves chemistry and society.

Our open science journey so far and our current initiatives

Open access →

Open access can lead us to a fairer society by making impactful research available to everyone. No matter who you are or where you live, you deserve to access and benefit from new discoveries.

Data sharing →

Discover why data sharing is important and why we believe that where possible, all data associated with the research in a manuscript should be Findable, Accessible, Interoperable and Reusable (FAIR).

Inclusion and diversity →

Our goal is to increase the diversity of people choosing and fulfilling their potential in the chemical sciences to create a truly inclusive community. Learn more about our strategy, activities and resources.

Open Science is Broad

At the RSC, we focus primarily on:

- Open Research Data
- Open Peer Review
- Research Assessment & Culture
- Open Scientific Publications (Open Access)



Open Research Data

What is Open Data?

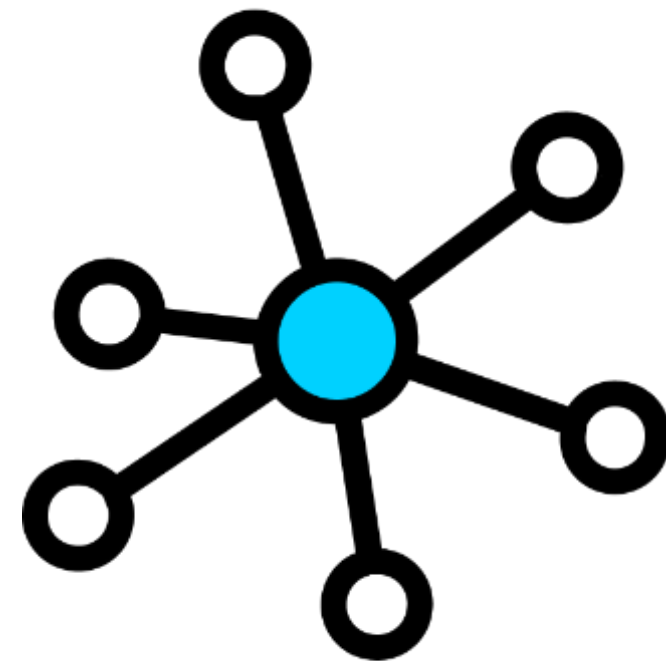
Data that can be freely used, re-used and redistributed by anyone - subject only, at most, to the requirement to attribute and share-alike.

Why is data sharing important?

Data sharing is central to improving many aspects of research culture. It supports the validation of data to maintain high standards of research reproducibility, increases transparency and encourages trust in the scientific process and enables and encourages the reuse of new findings.

What is the RSC doing?

The Royal Society of Chemistry believes that where possible, all data associated with the research in a manuscript should be Findable, Accessible, Interoperable and Reusable (FAIR), enabling other researchers to replicate and build on that research.



Open Peer Review

What is Open Peer Review?

Any peer review model in which aspects of the peer review process are made publicly available, either before or after publication.

Why Open Peer Review?

Increasing transparency in the peer review process leads to a better understanding of published research, more constructive peer reviews, and credit for reviewers.

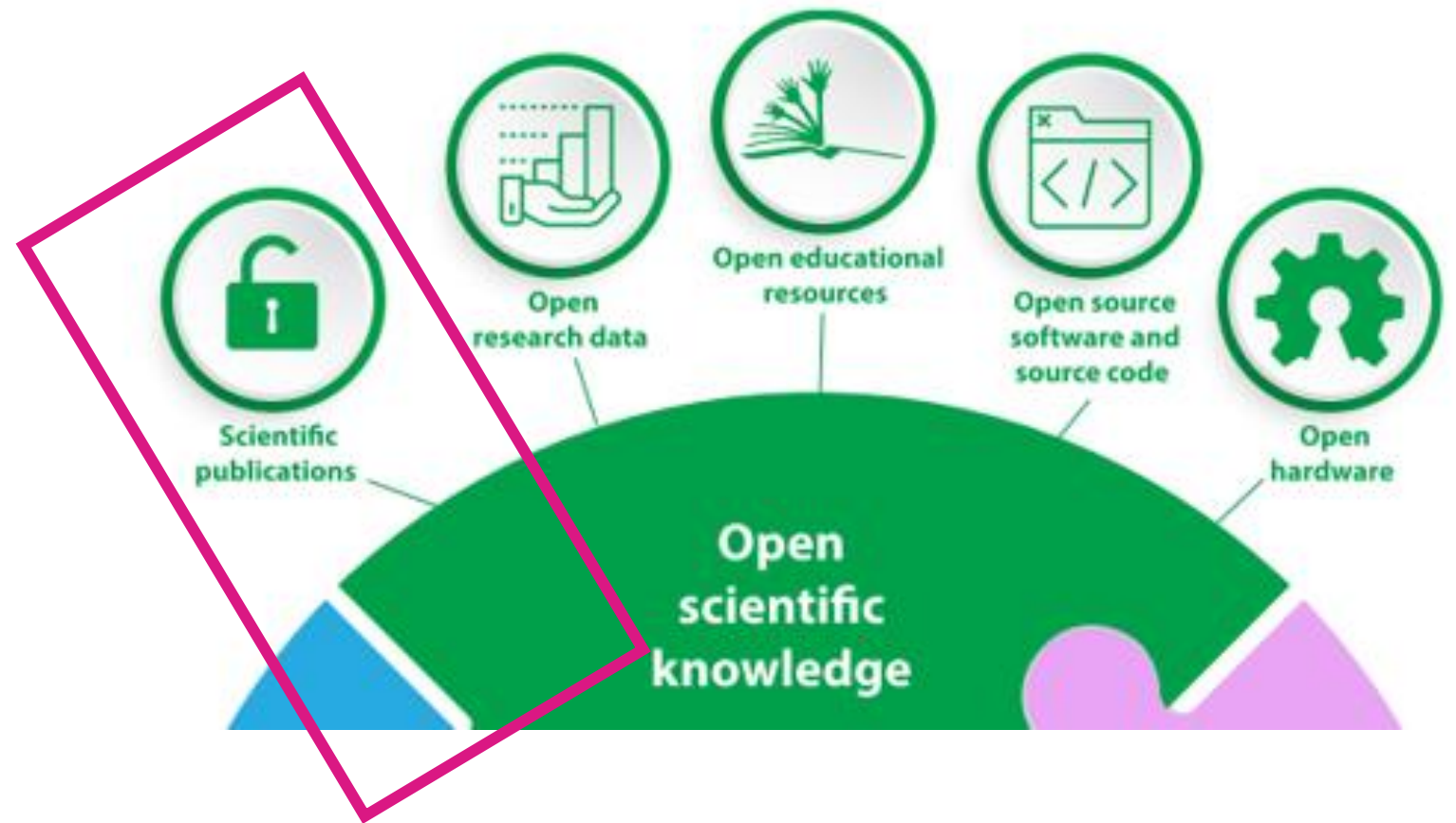


What is the RSC doing?

Transparent Peer Review now an option in our flag-ship journal, *Chemical Science* as well as *RSC Chemical Biology*, *Environmental Science: Atmospheres*, and *Digital Discovery*. **We aim that all RSC journals will offer Transparent Peer Review as an option for authors by end of 2024.** Double-anonymised peer-review is also a choice for authors submitting to *Chemical Science*.

Open Science & Open Access

Open Access to scientific publications is a **key component** of **Open Science**



The RSC's view on Open Access

We want the **global transition** to open access to be **sustainable, secure, and inclusive**

We want to **work with the community** to support them, and **be involved in ongoing discussions**

What are the benefits of open access?

Those of you who already publish with us will know the benefits that come from choosing our journals. Publishing open access includes them all. You can expect:



Multidisciplinary collaboration

Scientists in all disciplines and subjects can access and inspire each other



Available outside academia

Funders, policymakers and the general public all have access to new research



Boost citation potential

Readily available work can be read and cited easily by more people



High quality peer review

You can expect a simple process and fair and rigorous peer review



Keep copyright as standard

You (or your employer) retain the copyright to your article when you publish open access



Compliant with OA mandates

We make it fast and easy to meet the requirements of your funding body

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.

Open Access is at the core of the RSC's mission to help the chemical sciences make the world a better place. Free, unrestricted global access to all of the cutting-edge research published in Royal Society of Chemistry journals is a key component of this, aligning with the RSC's organisational strategy, which highlights the crucial role of collaboration and the open sharing of scientific knowledge in addressing global challenges, from disease to climate change. Nations in the "Global South", which will be the worst affected by these issues, are often those with the least access to such crucial information; Open Access ensures that everyone, everywhere has the same potential to access and contribute to the latest discoveries, leading to a better future for all of us.



Our goals for achieving 100% OA*

Ensuring that everyone, everywhere can still publish with us

- We want to remove barriers so **all authors have the same potential to access and publish research**
- We want to make sure our OA models accommodate for regional differences
 - R4L countries will continue to publish for free
 - All authors have the opportunity to apply for an OA waiver

Partnering with institutions to develop new OA models that work for them and for our authors

- We want to **transform our current institutional deals to a new OA model** that covers as much of our global author community as possible
- Throughout 2023-2024 we will engage with our international partners to evolve this new model, to understand their priorities, requirements and goals for OA; **our aim is to move away from models that rely solely on authors paying article processing charges**

Royal Society of Chemistry

Journal finder

Saving you time and simplifying open access

Keep track of your open access options | Get personalised information | Find the best journal for your research

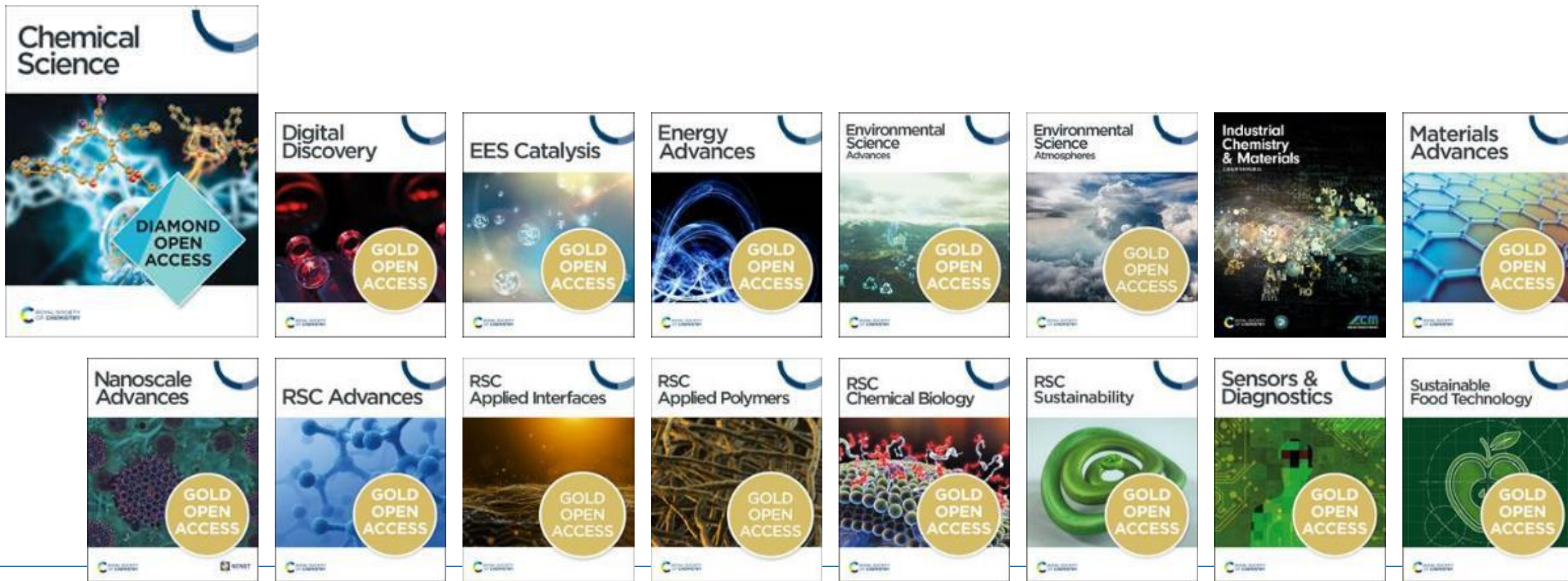
Make your open access journey easier

Fundamental questions
Elemental answers



rsc.chronoshub.io/?fq=

RSC Open Access Portfolio



Chemical Science; Diamond OA

Chemical Science, our flagship journal, is Diamond Open Access. This means that it's **free both to read and to publish in *Chemical Science***.

This is possible because we, the RSC, cover the cost of publication in *Chemical Science*.

The costs associated with this are covered by the revenue we make from our other journals – either via subscriptions or Open Access charges.



The Future of Open Access at the RSC

An Industry in Transition

The **publishing landscape is moving further and further towards a fully Open Access environment**

All cOAlition S funded research published OA post 2021.

All UKRI funded research published OA post April 2022.

Most hybrid publishers are currently focusing on signing Read & Publish/Publish & Read (RAP/PAR) deals BUT

Plan S funding for ‘Transformative Journals’ and RAP/PAR ends in 2024

The US will require *immediate access* to federally funded research after it is published, **starting in 2026**

NEWS | 26 August 2022 | Correction [30 August 2022](#)

US government reveals big changes to open-access policy

Biden administration instructs all US agencies to require immediate access to federally funded research after it is published, starting in 2026.

[Jeff Tollefson](#) & [Richard Van Noorden](#)

<https://www.nature.com/articles/d41586-022-02351-1>

Publishers are adapting

Cambridge University Press have publicly committed to transitioning their entire journal portfolio to OA **by 2025**

ACS have committed entire portfolio to 'Transformative Journal' status effectively committing to fully transition to OA (most likely in the **next 3-5 years**)

Large publishers are investing heavily in growth (to prep for OA future), acquisition and **transformative agreements (RAP/PAR)**

Large OA publishers are growing exponentially – and **investing heavily in growing institutional level agreements.**

Royal Astronomical Society just committed to 100% OA by 2024.

Health

26 APR 2022 11:02 PM AEST

ACS Publications commits its entire hybrid journal portfolio to become transformative journals

This development represents a major step in ACS' long-standing commitment to open science, signaling a future in which all publications are open access (OA).

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

1 Mar 2023 — The **Royal Astronomical Society** (RAS) has today announced that all journals published by the Society will be **Open Access** (OA) from January 2024.

Where are we now?

Hybrid Journals

- Only 8.5% of our hybrid content is OA (Q1 2022); 69.5% of hybrid OA content comes via R&P/PAR deals, rest from single APCs
- **Growth of OA in hybrid journals depends almost entirely on conversion of subscription deals to OA deals (currently R&P and PAR)**
- No journals stand out as suitable for a stand-alone flip (would look for OA content to be >60%) => the best option is to flip the entire portfolio at the same time with suitable OA models (via institutional agreements)

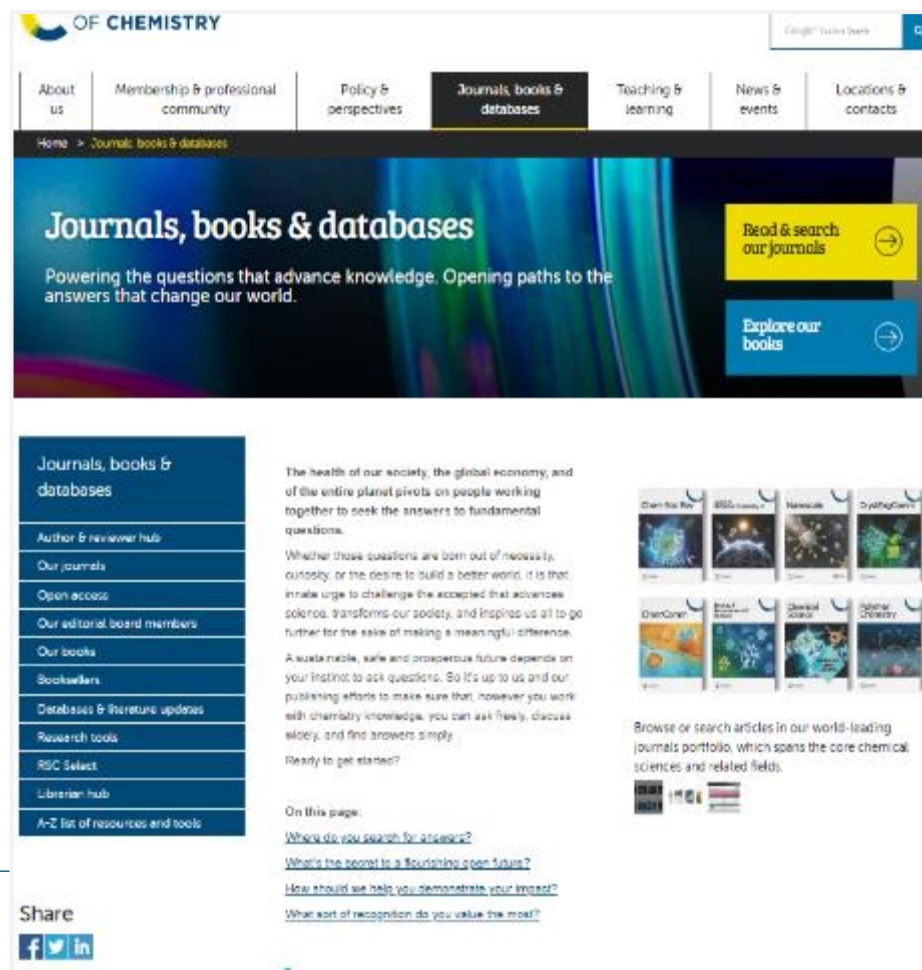
OA Journals

- **Pure APC models are becoming out-of-date (OA publishers are signing institutional agreements); European authors expect for their APC to be covered by their institution**
- Currently, our OA journals are not part of most of our institutional agreements putting them (and all future launches) at risk; sales team is starting to sell APC bundles but this is slow-going
- To compete with other pure OA journals and publishers, our OA portfolio needs to be covered by institutional agreements



Open Access & APCs

Why do we need to pay for publishing?



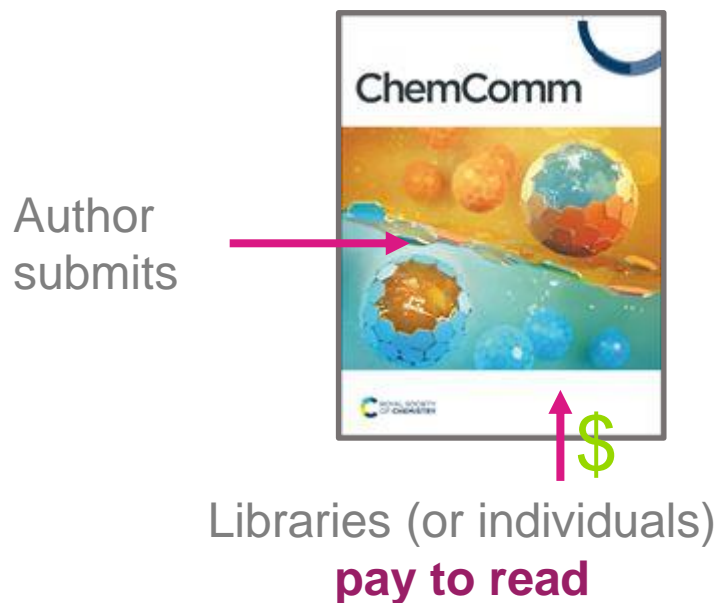
WEB OF SCIENCE

Scopus[®]

Google Scholar

How do we pay for publishing?

TRADITIONAL PUBLISHING



Subscription model

OPEN ACCESS PUBLISHING



APC model

Article and journal costs are **paid for by**



\$

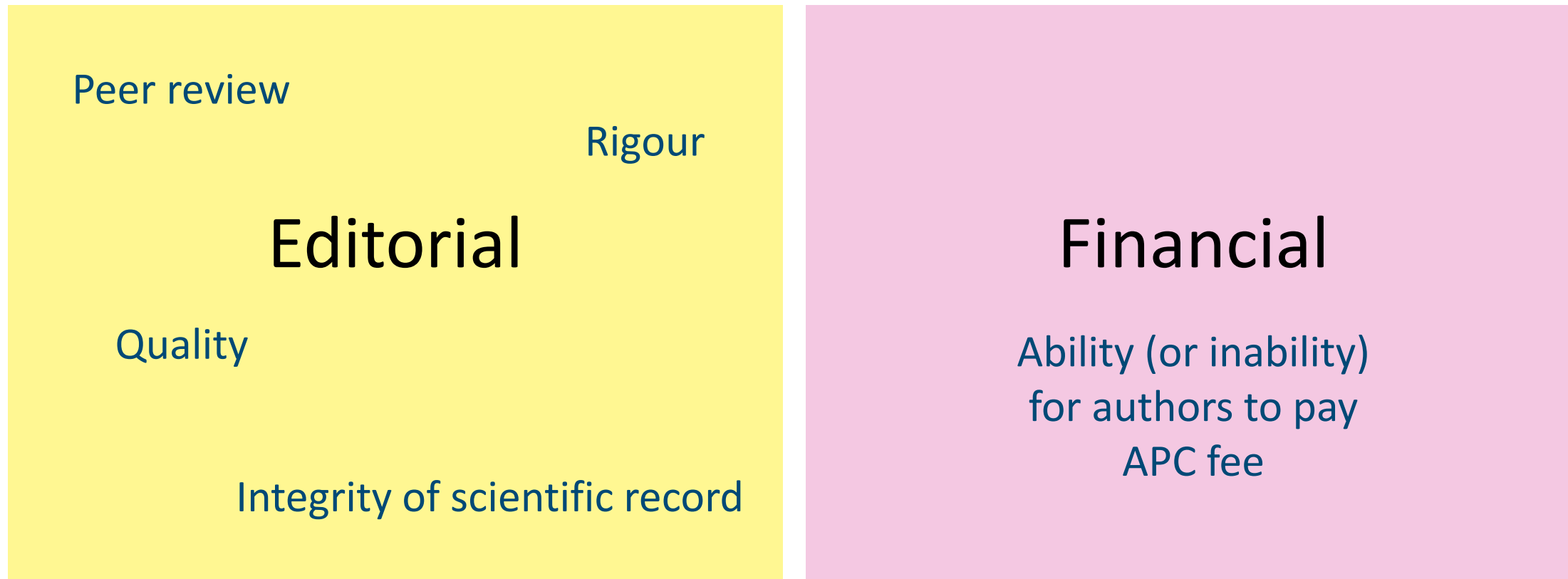
Only works if the costs are covered by revenue from other journals or other publisher activities

Author submits

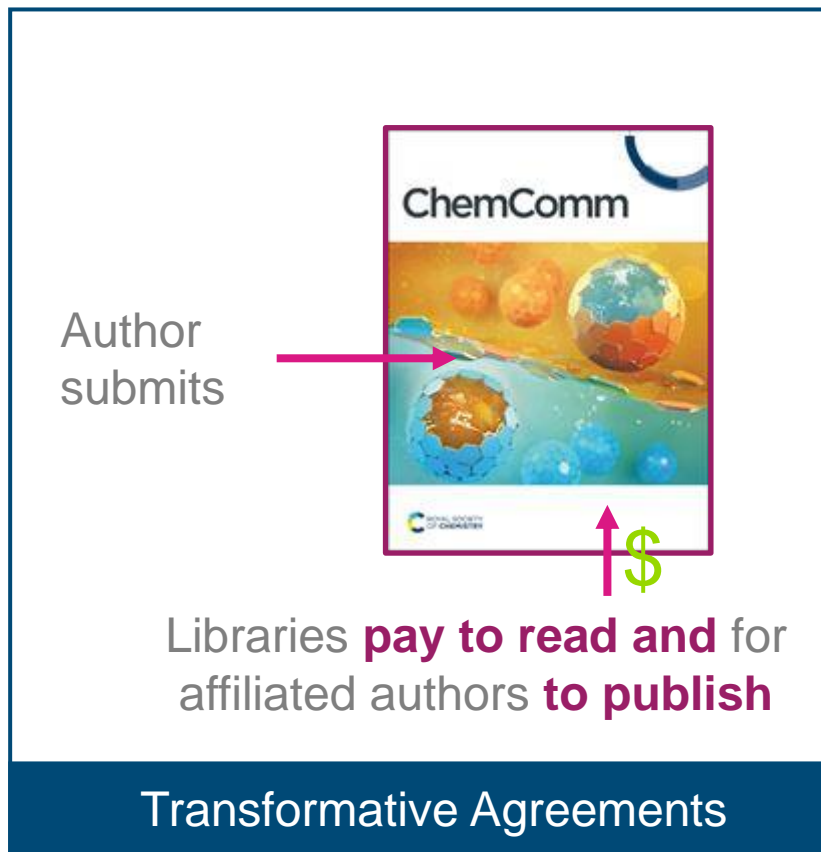
Papers are free to read

'Diamond' Open Access

Editorial vs Financial aspects of Open Access



What is a 'Transformative Agreement'?



- An agreement between a publisher and an institution that covers the costs of Open Access publication
- No individual author payment
- Read & Publish, Publish & Read, etc.
- Designed to transform institutions from a subscription model (pay to read) to an OA model (pay to publish)





Open Access licences



OA Licenses

RSC offers industry-standard [Creative Commons licensing](#) for open access publication. These licences have flexible terms for reuse and distribution of a work than a standard licence to publish, enabling our authors to fulfil funding body requirements.

CC BY licence

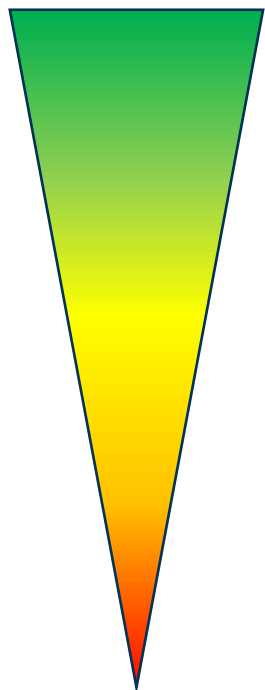
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OA Licences

Least restrictive



Most restrictive



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Journal/ Publisher	CC BY license	CC BY-NC license	CC BY-NC- ND license
RSC Transformative journals	£2500 (3000 USD)	£2500 (3000 USD)	N/A
RSC Open Access journals	£2000 or Waived until 2025	£2000 or Waived until 2025	N/A
<i>RSC Advances</i>	£1000 (1230 USD)	£1000 (1230 USD)	N/A
ACS Transformative journals	5000 USD	N/A	4000 USD
ACS Au Journals	2500 USD	N/A	2000 USD
ChemistryEurope	4640 USD	N/A	N/A

Thank
You

