

A close-up photograph of a honeycomb structure, showing the hexagonal cells filled with golden honey. Several bees are visible on the honeycomb, some standing and some moving. The image is partially obscured by a grey diagonal shape that serves as a background for the text.

# Community update call May 13, 2026

Please see information from Crossref Community Update Call 2026 and cite the outputs as  
`Crossref Community Update Call 2026, 13 May 2026 retrieved [date],  
<https://doi.org/10.13003/845631leuujn>



A close-up photograph of a honeycomb structure, showing the hexagonal cells filled with golden honey. Several bees are visible on the surface of the honeycomb, particularly in the upper right quadrant. The image is split diagonally, with the honeycomb occupying the top right and a solid white area on the bottom left.

# Welcome & introductions

# Code of conduct

We want all engagement with Crossref to be safe and productive for everyone involved. Therefore...

- All communication should be appropriate for a professional audience of people of many different backgrounds. Sexual language and imagery are never appropriate in such a context, nor is language referring to personal qualities or characteristics or group membership.
- Empathise and be respectful of others. Be agreeable even when you disagree. Be polite even if there is cause to complain. Do not use insulting language, harass anyone, impersonate people, or expose their private information.
- Be encouraging. Include others in the conversation where appropriate and value their contributions. Additionally, avoid jargon, slang, and cultural references that can exclude others from engaging.
- Participate constructively. Aim to improve the discussion and ensure that your contribution is on topic and helpful for others. Never post spam or attempt to mislead others.
- Crossref does not allow the use of AI assistants in meetings.

Anyone violating this Code of Conduct will be removed from the meeting. Please 'send reports to [conduct@crossref.org](mailto:conduct@crossref.org) in confidence and read more at [crossref.org/code-of-conduct](https://crossref.org/code-of-conduct)



# Speakers



Kora Korzec



Ed Pentz



Robbykha Rosalien



Amanda Bartell



Helena Cousijn



Rocío Gaudioso  
Pedraza



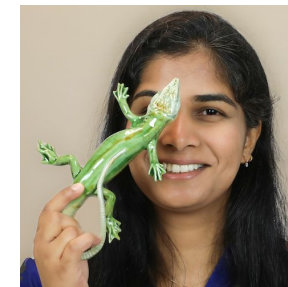
Dominika Tkaczyk



Martyn Rittman



Lena Stoll



Madhura Amdekar



Luis Montilla

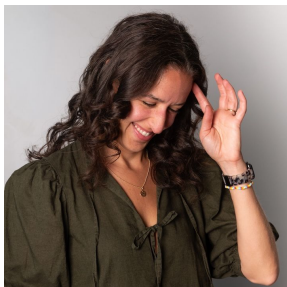




# Speakers



Rosa Clark



Lucy Ofiesh



Maryna Kovalyova



Amanda Bartell



Susan Collins



Kora Korzec



Patricia Feeney



Jason Portenoy



Panos Pandis



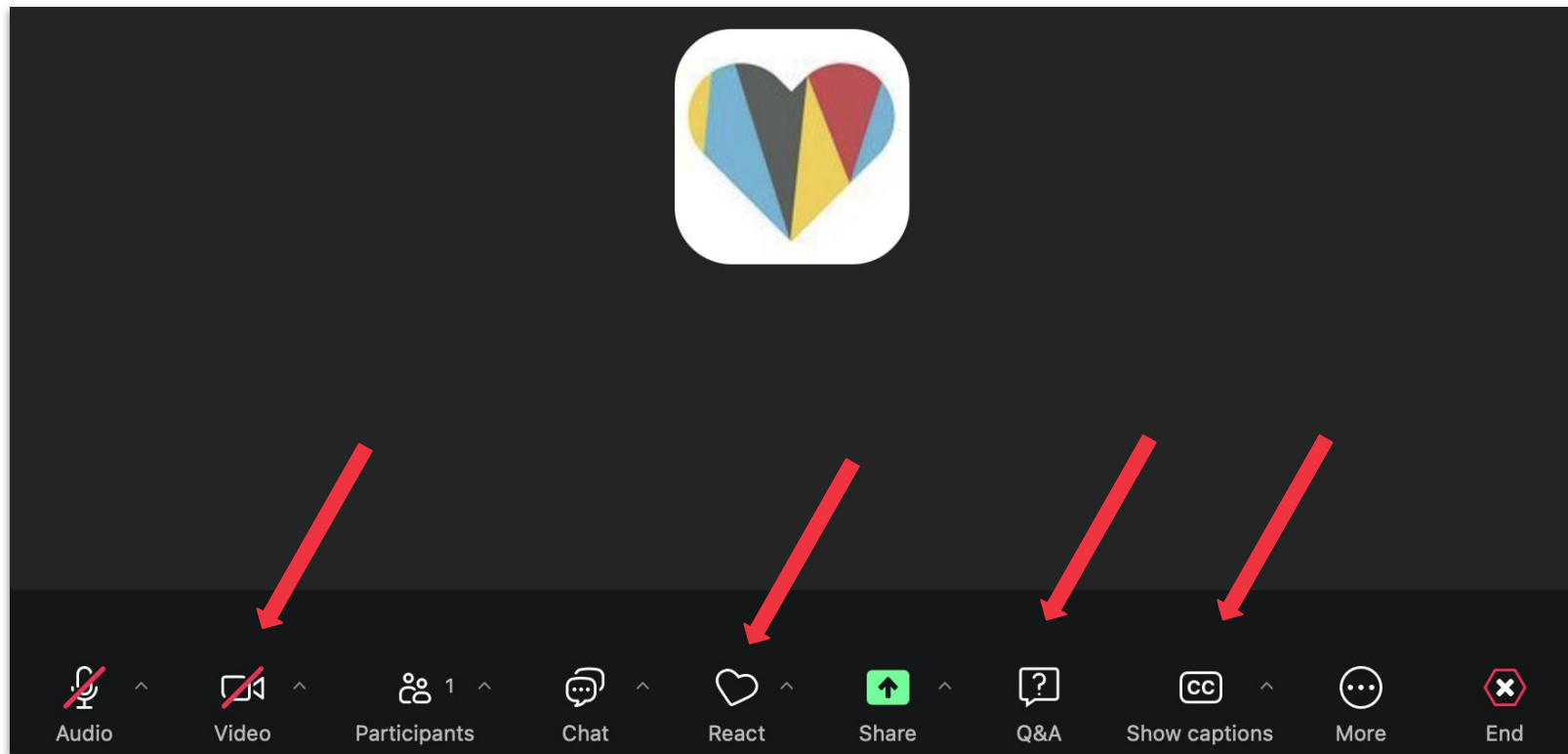
Patrick Vale



Madhura Amdekar



# How to use Zoom



# Agenda

- Operations and governance update
- Membership update
- Introducing Member Practices working group
- Metadata update
- Q&A
- Break
- Funder matching
- Data citations endpoint
- Q&A
- Metadata Manager latest features
- Upcoming Service Providers Program
- Q&A

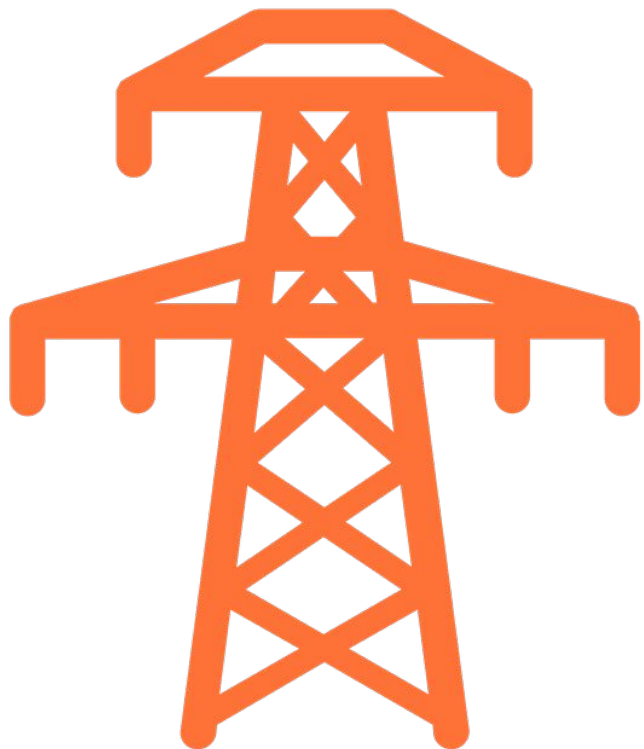


# Operations and governance

Lucy Ofiesh, Chief Operating Officer







# The Principles of Open Scholarly Infrastructure

[openscholarlyinfrastructure.org](https://openscholarlyinfrastructure.org)

# What changes in 2.0



## GOVERNANCE

- Coverage across the research enterprise
- Stakeholder Governed
- Non-discriminatory participation
- Transparent governance
- Cannot lobby
- Living will
- **Regular review of purpose and community value**



## SUSTAINABILITY

- **Transparent operations**
- Time-limited funds for time-limited activities
- Goal to generate surplus
- **Establish and maintain financial reserves**
- Mission-consistent revenue generation
- Revenue generated from services, not data
- **Volunteer labour**
- **Transition planning**



## INSURANCE

- Open source
- Ensure open and secure data accessibility within legal and ethical constraints
- Available and preserved
- Patent non-assertion

# 2024 self-assessment - update at end of 2026

## GOVERNANCE

---

- Coverage across the scholarly enterprise
- Stakeholder governed
- Non-discriminatory participation or membership
- Transparent governance
- Cannot lobby
- Living will
- Formal incentives to fulfil mission & wind-down

## SUSTAINABILITY

---

- Time-limited funds are used only for time-limited activities
- Goal to generate surplus
- Goal to create financial reserves
- Mission-consistent revenue generation
- Revenue based on services, not data

## INSURANCE

---

- Open source
- Open data (within constraints of privacy laws)
- Available data (within constraints of privacy laws)
- Patent non-assertion



# Financial performance

Revenue	2024 Actuals	2025 Actuals	2026 Budget
Annual fees			
Membership fees	3,272,515	3,428,440	3,213,734
Subscriber fees	998,529	1,010,071	1,004,321
Similarity Check fees	219,650	224,940	228,860
Service fees			
Content Registration Fees	7,631,206	8,486,019	8,813,457
Donated Registration Fees	(66,586)	(72,277)	(166,157)
Net - Simcheck Doc Checking Fees	1,000,052	1,115,858	1,201,735
Restricted Revenue/Pass-thru funds	309,771	263,772	194,681
<b>Total revenue</b>	<b>13,365,137</b>	<b>14,456,823</b>	<b>14,490,632</b>
Expense			
Personnel	7,242,363	8,034,769	9,430,765
Non-personnel	3,252,957	4,008,953	4,971,946
<b>Total expense</b>	<b>10,495,320</b>	<b>12,043,722</b>	<b>14,402,711</b>
Other income & expense	775,079	785,247	370,866
<b>Net</b>	<b>3,644,897</b>	<b>3,198,348</b>	<b>458,787</b>

Crossref is in a healthy financial position, growing steadily over the years.

Revenue grew 8% in 2025, and was 6% ahead of budget

Expenses grew 15% in 2025, and was 3% under budget

So far this year, content registration is up 13% from 2025.

$\frac{2}{3}$  of our costs are attributed to our team.  $\frac{1}{3}$  of our costs are everything else (but mostly AWS fees)



# ! Governance - we are governed by you

As a not-for-profit association our board is composed of, and elected by, Crossref members.

Interested in joining our board? Look out for our open call for board interest which will be published on our blog in late May.

In September, we will hold our annual election. Each member gets a vote.



# Membership update

Maryna Kovalyova, Member Experience Manager





# Scale of Crossref

**25,000** organisational members from **167** countries

- **51%** of members are based in Asia
- **40%** of members are universities or scholar-led
- **6%** of members are based in GEM-eligible countries

**140** Sponsoring orgs; **42** Ambassadors

**183 million** open metadata records with DOIs that are resolved

**1.4 billion** times per month (**93%** of all DOI usage)

**2.1 billion** queries of our metadata every month by **hundreds of thousands of** systems ingesting and reusing this open metadata



■ **3,001** new members from **142** countries since last mid-year call May 2025



**OJS**  
OPEN JOURNAL SYSTEMS



# ▮ New communities joining thanks to the Global Equitable Membership Program (GEM)



<https://www.crossref.org/gem/>



# **Introducing Member Practices Working Group**

Amanda Bartell, Director of Membership



## ■ Crossref's role in preserving the integrity of the scholarly record

- Our mission: "Crossref makes research objects easy to find, cite, link, assess, and reuse."
- Keep membership barriers low, collect and share "trust signals".
- Metadata can surface problems with members.
- Lack of clarity around how to respond when a member's broader practices raise concerns.



# Wider member practices

- Disputes between the journal “owner” and the journal “publisher”
- Hijacked journals
- Journals with very similar names to existing journals
- Articles copied from other journals
- Articles created by AI
- Fake authors (either non-existent authors, or authors assigned to work they are unaware of)
- Fake editorial boards (either non-existent academics, or academics assigned as an editor to a title they are unaware of)
- Registering DOIs where you are not the publisher





## Wider member practices

- Translating articles without permission
- Publishing without author permission
- Lack of clarity around APCs
- Articles withdrawn/retracted without this being reflected in metadata or DOI resolution page.
- Articles withdrawn/retracted and DOIs recycled
- Papermills
- Members not including author information in the metadata
- Lack of peer review/payment for peer review
- Inclusion of PII in published content



## Wider member practices

- Displaying unregistered DOI-like strings
- Displaying unregistered DOI-like strings and deleting them when the issue is raised, rather than registering them
- Displaying false accreditation (eg DOAJ)
- Authorship for sale
- One person deliberately setting up multiple legal entities to hide the connection between publishers.



## ■ New clause: 2a

Member's Obligations. As a condition of its membership, the Member shall comply with these Terms, including this Section 2.

- a. *Member Practices* Member agrees to comply with the member practices, including activities and conduct, described on the [Website](#).



# Crossref Member Practices Working Group:

- Rene Aquarius, Radboud University
- Guntram Bauer, Human Frontiers Science Program
- Dorothy Bishop, University of Oxford
- Gaelle Bequet, ISSN International
- Oscar Donde, Pan Africa Journal
- Jason Hu, Taylor and Francis and United2Act
- Kihong Kim, Korean Council for Science Editors
- Leslie McIntosh, Digital Science
- Adya Misra, Sage Publishing
- Katharina Reick, Austrian Research Council (FWF)
- Leena Shah, DOAJ
- Émilie Lavallée-Funston, University of Bristol and Co-chair of Transfer Standing Committee
- Jennifer Wright, Cambridge University Press and COPE Council Member
- Jiayi Xu , Bon View Publishing and COPE Council Member

# ■ Crossref Member Practices Working Group: Goals

- Create a draft of our new member practices for community consultation, and ultimately for board approval.
- Ensure these member practices provide clear guidelines for members around behaviour and practices.
- Ensure these practices are achievable for all types of Crossref members. It's particularly important that we don't create barriers to entry or continued membership for less experienced or less well-resourced publishers.



# Timescales

- Member Practices Working Group creates draft January - July
- Draft out for community consultation - July -October
- Approval by Crossref board in November
- Practices rolled out by end 2026





# Emerging themes


- Making clearer the distinction between the journal owner and the journal publisher.
- More up front checking of new members to ensure they are indeed the publishers of the work they intend to register
- Importance of capturing ISSNs.
- Sharing metadata about title ownership disputes.



# What do you think?

- Making clearer the distinction between the journal owner and the journal publisher
- Sharing metadata about title ownership disputes





**Watch out for member consultation coming in the next few months.**



# Metadata update

Patricia Feeney, Head of Metadata



# Schema 5.4 - adoption

*Released March 2025*

*Key features: typed citations, version numbers, preprint status*

**23 prefixes**

using typed citations

Adoption is increasing -  
we expect this to continue  
as publishers update their  
workflows

**25 prefixes**

using version numbers

Mostly preprints so far -  
would like to see more  
article versions

No registration fee for new  
version records if version  
relationship is included



# Grant DOIs in funding metadata

You can now include grant DOIs in your funding metadata as a distinct field.

A grant DOI links to a full grant record containing:

- Funding types
- Project information
- Funder details
- Institutional relationships

! We will be disallowing DOIs in the award number field.



# Coming soon: schema 5.5

*Goal: recognize contributions to research via contributor roles*

**Multiple contributor roles:** A single contributor can now carry more than one role.

**CRedit taxonomy:** Support for the 14 contributor roles defined by CRediT: Conceptualization, Methodology, Writing, and more.

**Crossref vocabulary:** flag which contributor is the corresponding author.



# ! Also coming soon: Grants 0.3.0

*Goals: full picture of who is being funded, as well as better understanding of projects*

**Grants to institutions:** Currently grants are associated with people. 0.3.0 adds support for institutional grant recipients (using ROR) — better reflecting how funding actually works.

**Roles changing over time:** capture multiple roles and dates per role, roles evolve across a grant's lifetime

**RAiD (project identifier):** Support for the Research Activity Identifier (RAiD), an emerging standard for persistently identifying research projects across organizations.





# Working on: deprecating XML schema

Say goodbye to by the end of 2026 🥲 :

crossref4.3.1.xsd

crossref4.3.2.xsd

crossref4.8.1.xsd

doi\_resources4.3.2.xsd

doi\_resources4.3.4.xsd

doi\_resources4.3.5.xsd

doi\_resources4.4.2.xsd

What survives:

crossref5.3.1.xsd

crossref5.4.0.xsd

crossref5.5.0.xsd and beyond

doi\_resources5.4.0.xsd



# Why are we doing this?

**We support too many schema:** supporting 27+ schema fragments our resources

**Fundamental structures need updating:** Some core patterns in older schemas predate modern requirements. Maintaining parallel structures indefinitely is not sustainable.

**We need to tighten requirements:** current requirements are very minimal, we need to require basics to enforce metadata quality



# Next steps: remodeling names

*Goal: better support for all names, character sets, and languages leads to better identification*

## People

- Update how names are labeled
- Allow alternate names / character sets
- Add more support for contributor IDs

## Group / organizations

- Allow org IDs (eg ROR)
- Allow alternate names

## Anonymous

- Better support for un-authored content



# 1 Funding and other statements

*Goal: supplement structured metadata, accommodate non-standard information, collect information on emerging priorities*

Free text for funding, acknowledgements, ethics, accessibility, AI usage, data availability, copyright, conflict of interest

...anything else?



# Q&A



# Break



A close-up photograph of a honeycomb structure, showing the hexagonal cells filled with golden honey. Several bees are visible on the surface of the honeycomb, particularly in the upper right quadrant. The image is divided into three main geometric sections: a white section on the left, a yellow section on the top right, and a grey section on the bottom right.

# Demonstrations

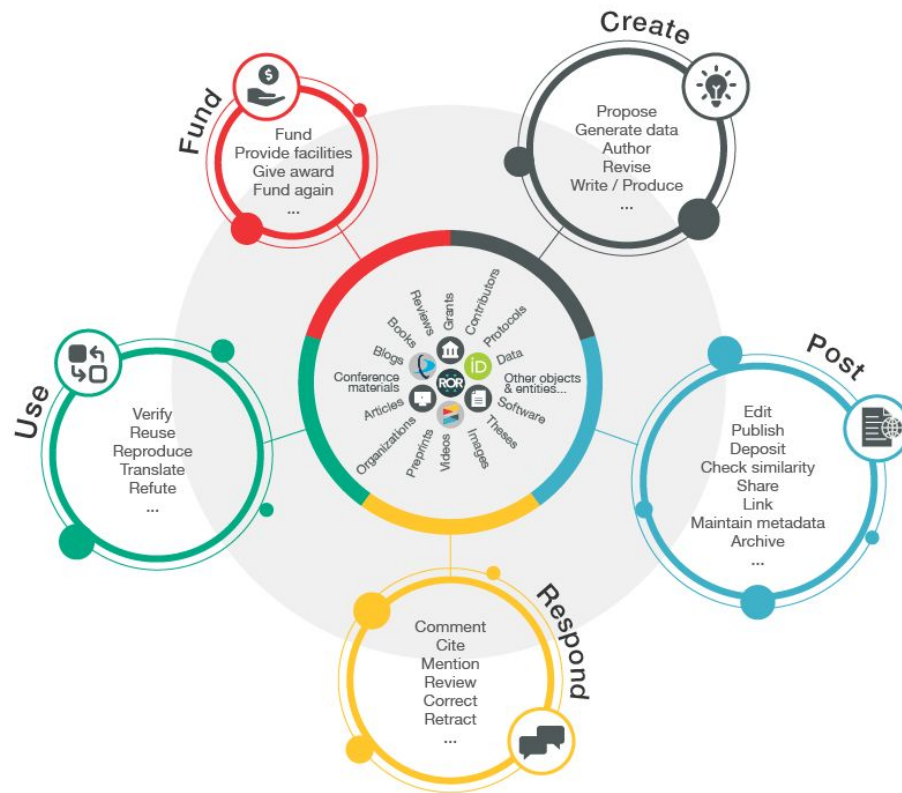
# Funding information enrichment

Jason Portenoy, Data Scientist

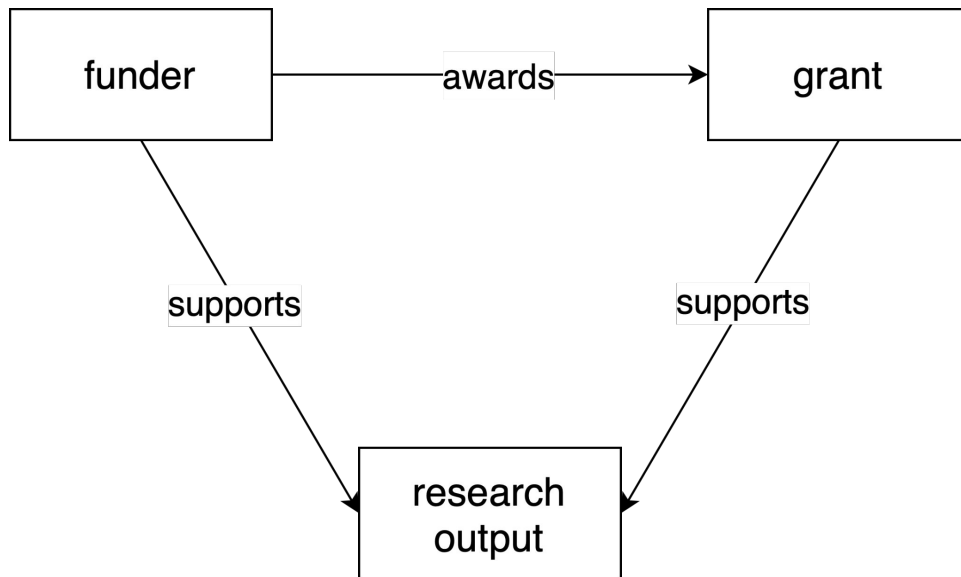




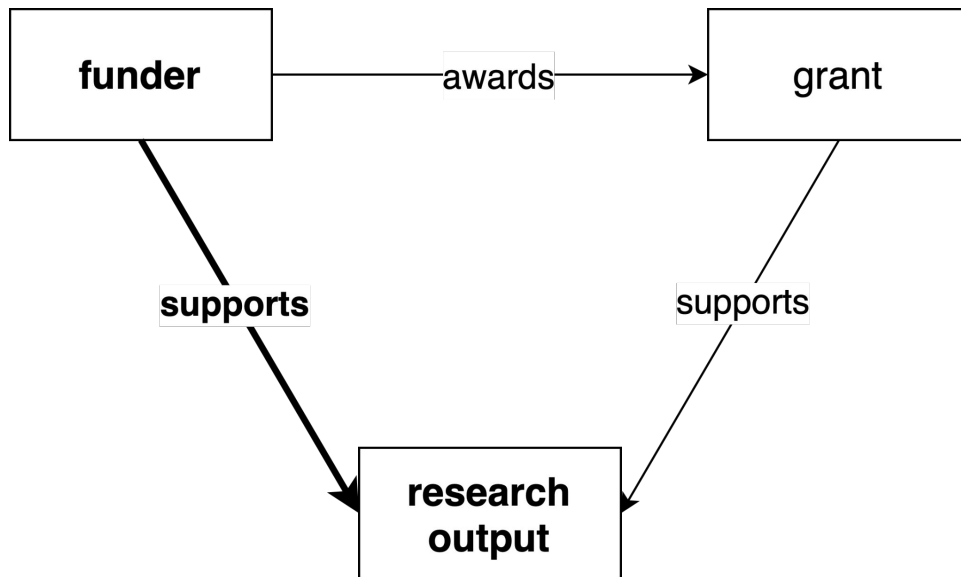
# Research Nexus



# Funding metadata



# Funder matching



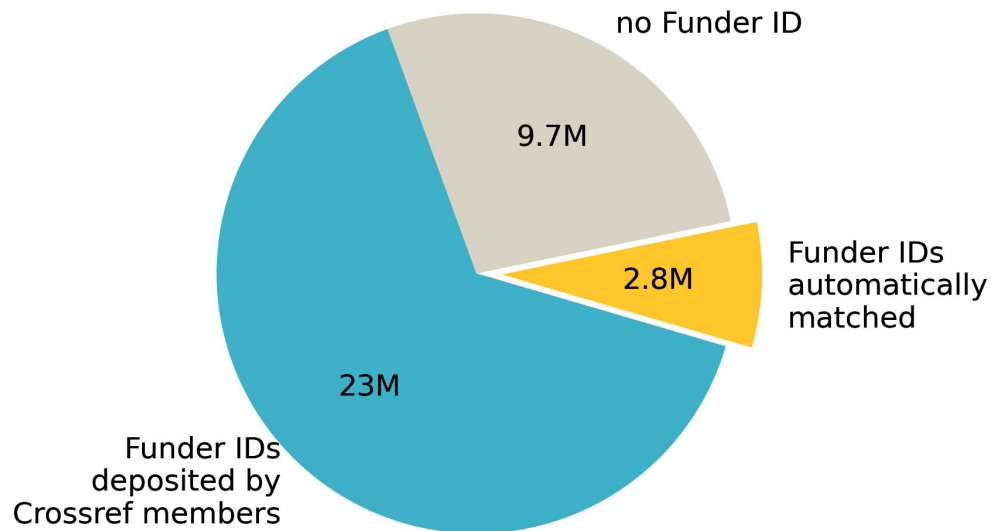
# What happens now

```
{
  "name": "Natural Sciences and Engineering Research
          Council of Canada",
  "DOI": "10.13039/501100000038",
  "doi-asserted-by": "crossref",
  "award": ["RGPIN-2024-03762"],
  "award-info": [
    {
      "award-number": ["RGPIN-2024-03762"]
    }
  ],
  "id": [
    {
      "asserted-by": "crossref",
      "id": "10.13039/501100000038",
      "id-type": "DOI"
    }
  ]
}
```



# What happens now

Funder assertions in Crossref metadata



# What will happen

```
{
  "name": "Natural Sciences and Engineering Research
          Council of Canada",
  "award": ["RGPIN-2024-03762"],
  "award-info": [
    {
      "award-number": ["RGPIN-2024-03762"]
    }
  ],
  "id": [
    {
      "asserted-by": "crossref",
      "id": "https://ror.org/01h531d29",
      "id-type": "ROR"
    }
  ]
}
```



# ■ Why rebuild funder matching?

- We're committed to ROR ([blog post](#))
- Open and transparent matching
- Thorough evaluation of matching methods
- Better control over the matching strategy



# Timeline

- Basic architecture has been built
- The [new funder matching strategy](#) has been implemented
- Now adding 'features' (e.g. dealing with redeposits)
- Add to production servers and testing in Q2 2026
- Plan to release in the middle of this year
- Next: matching grant information to grant DOIs





# ■ Funder matching in practice

<https://crossref-funder-matcher-demo.netlify.app/>



# 1 Funder matching in practice

Wellcome Trust

Uniwersytet Medyczny we Wrocławiu

School of Health Sciences, Macao Polytechnic Inst

Faculty of Arts and Social Sciences



# Data citation API endpoint

Panos Pandis, Senior Software Developer



# ■ Data citation API endpoint

- Collects and expose data citations included in Crossref metadata
- Over 700,000 relationships captured
- We collect relationships from reference and relationship metadata
- Look for relationships to Crossref or DataCite dataset DOIs
- We record the first instance of a relationship

<https://api.crossref.org/beta/datacitations>

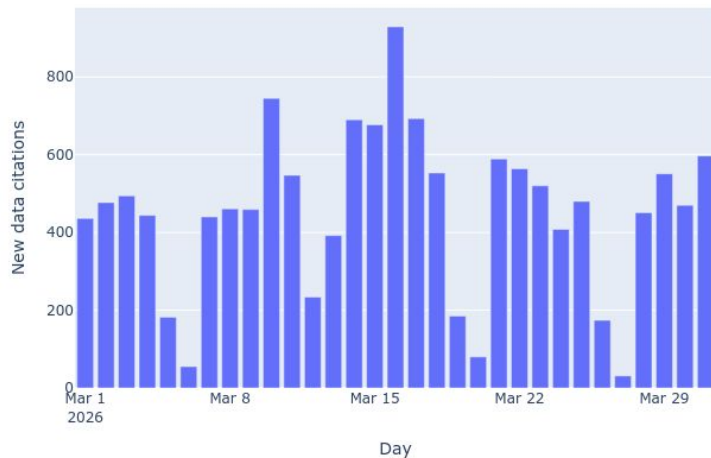
<https://api.crossref.org/beta/datacitations/swagger/>

<https://www.crossref.org/documentation/retrieve-metadata/data-citations/>

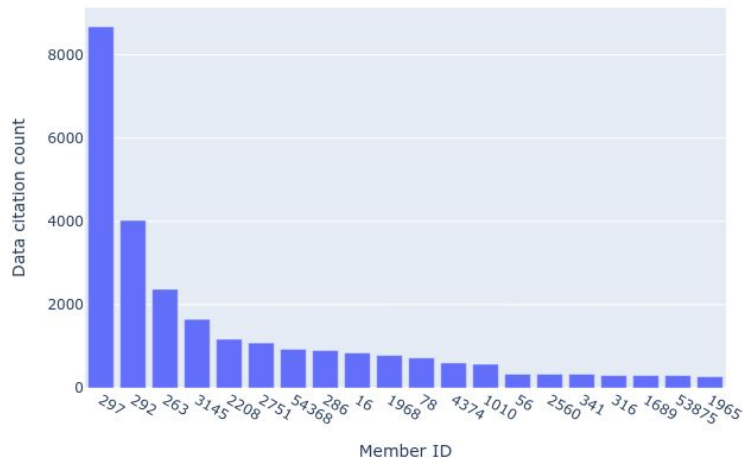


# Data citations per day / member

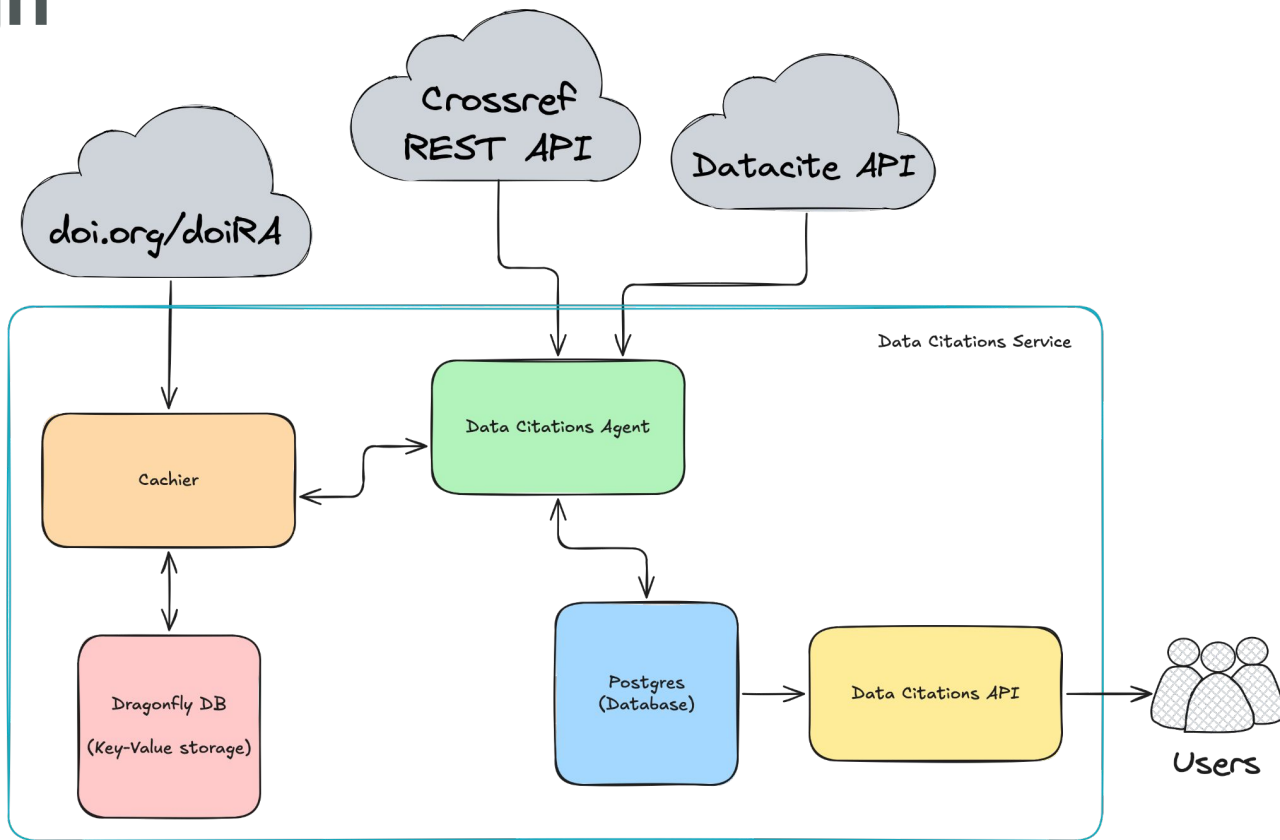
Data citations per day



Data citations per member, March 2026



# Design



# Live demo

1. Go to members endpoint, search for a member (e.g. F1000 using query=F1000).
2. Get the member ID from the member record.
3. Go to the data citations Swagger documentation.
4. Put in member ID (and delete default dates, or keep 'from' date).
5. Execute the search and talk through output fields.



# Examples

- **Pagination**
  - <https://api.crossref.org/beta/datacitations?page=100&rows=1000>
  - <https://api.crossref.org/beta/datacitations?page=100&rows=1001>
- **Filters**
  - Subject (source DOI), Object (target DOI) and Member Id
    - <https://api.crossref.org/beta/datacitations?subject-id=10.1038/sdata.2016.121>
    - <https://api.crossref.org/beta/datacitations?subject-id=10.3847/1538-4357/ae119b&object-id=10.5281/zenodo.17228397>
    - <https://api.crossref.org/beta/datacitations?member-id=2208>
  - Relationship Type
    - <https://api.crossref.org/beta/datacitations?relation=references>
- **Dates**
  - <https://api.crossref.org/beta/datacitations?from-created-date=2026-01-01>
  - <https://api.crossref.org/beta/datacitations?from-created-date=2026-01-01&until-created-date=2026-01-31>
  - <https://api.crossref.org/beta/datacitations?from-created-date=2026-01-01&until-created-date=2025-12-01>





# Q&A



# Updates on Metadata Manager

Patrick Vale, Program Technical Lead



# What's new in the new Metadata Manager?

Search by DOI or select a previously submitted record to edit and resubmit

Metadata Manager > Edit Record

## Edit Record

SEARCH

Enter the DOI of the record you wish to edit, using the format 10.xxxx/xxxx, or select a previously registered record below.

From Date  
📅 2025-May-08

To Date  
📅 2026-May-08

🕒 Last Month 📅 Last Year ⌂ All Time

Title	DOI		Last updated	Type	ISSN(s)	Actions
<a href="#">Record registration form - test article edit</a>	10.5555/282513/480/	🔗 📄	2026-Jan-07	Journal Article	0037-7333 0037-7333	<button>EDIT</button>
<a href="#">Article with a DOI ending in slash</a>	10.5555/slash/	🔗 📄	2025-Dec-10	Journal Article	5555-1238	<button>EDIT</button>
<a href="#">An article registered on 11 November via ...</a>	10.5555/metadata-ma...	🔗 📄	2025-Nov-13	Journal Article	5555-1238	<button>EDIT</button>



# What's new in the new Metadata Manager?

Register relationships metadata for journal articles

License URL

https://creativecommons.org/licenses/by/4.0/

Similarity Check  
full text URL

Relationships

Type of relationship

hasTranslation

×

▼

DOI of  
related  
work

10.5555/translated

+ ADD RELATIONSHIP



# Coming soon: support for additional work types

Metadata Manager > New Record

## Register record

**New record submission**

Select the type of work you wish to register.

Journal Article ▲

- Book
- Conference Proceeding
- Report
- Dissertation
- Grant
- Post-Publication Update



# Coming soon: books/chapters

✓

✓

3

4

5

Book

Book Chapters

Book Series

Review Metadata

Submit

Type of book\*

Type of book\*  
monograph

Monograph

Book title\*

Book subtitle

A subtitle

Language

Language  
English (en)

Edition number

1

Book DOI\*

10.5555/test-book

Book landing page URL\*

https://www.crossref.org/test-book

Contributors

Item 1

Given name(s) / first name(s)  
Lena



# Coming soon: conference proceedings/papers

✓

✓

3

4

5

Proceeding

Conference Papers

Conference Series

Review Metadata

Submit

Conference Name\*

International Conference of Metadata Deposits

Conference Acronym

ICMD

Proceedings Title\*

Proceedings of the XXIIInd annual International Conference of Metadata Deposits

DOI\*

i

10.5555/test-conference-proceedings

Landing page URL\*

<https://www.crossref.org/test-conference-proceedings>

Publisher\*

Crossref

Publication dates

Online

📅

2026-05-07



# Coming soon: reports

✓

Report

2

Report Series

3

Review Metadata

4

Submit

Report Title\*

Annual content registration report 1998

DOI\*

i

10.5555/report

Landing page URL\*

http://www.crossref.org/report

Contributors

Item 1

Given name(s) / first name(s)

i

Lena

Family name(s) / surname(s)\*

i

Stoll





# Coming soon: dissertations

1

2

3

Dissertation

Review Metadata

Submit

Dissertation title\*

Towards a unified model of metadata

DOI\*

i

10.5555/dissertation

Landing page URL\*

https://www.crossref.org/dissertation

Contributors

Item 1

Given name(s) / first name(s)

i

Lena

Family name(s) / surname(s)\*

i

Stoll



# Coming soon: post-publication updates

✓

2

3

4

Update NoticeJournalReview MetadataSubmit

Type of update\*

Type of update\*Retraction

Title of update notice\*

RETRACTION: Title of original paper

DOI of update notice\*

?

10.5555/retraction

Landing page URL of update notice\*

https://www.crossref.org/retraction

DOI of article being updated\*

10.5555/retracted-article

Contributors to update notice

No items

+ ADD

Publication dates



# Live demo

[Registering a retraction notice for a journal article](#)



# Thank you!

- Look out for the new work types in Metadata Manager in the coming months
- Share your feedback on the new Metadata Manager  
<https://community.crossref.org/t/feedback-on-new-helper-tool>
- For users of DSpace repository software: Look out for the Crossref content registration integration included in v10.0 of DSpace (June 2026)



# Service Providers Program

Madhura Amdekar, Community Engagement Manager



# 1 Crossref Service Providers

- Crossref Service Providers are organisations that offer services to facilitate DOI and metadata registration for our members.
- Previous dedicated program paused in 2022 in order to review
- Planning to launch a new Crossref Service Providers program in 2026.
- Two tiers: Basic and Advanced



# Goals of the new program

- **Enable the registration of high quality, rich metadata**
- Collaboration between Crossref and Service Providers to promote metadata completeness and technical assistance to Crossref members
- Support for continuous implementation of Crossref schema versions by the Service Providers enabling downstream adoption by members
- Sharing information about availability of their services effectively integrating with Crossref



# Service providers commit to

- Staying up to date with Crossref services and policies
- Providing feedback to Crossref on our services
- Giving Crossref information about their client service offerings and documenting metadata workflows
- Promoting metadata best practices per our Participation Reports
- Making reasonable efforts to accommodate changes to the Crossref schema and other services
- Ensuring that clients' DOIs continue to resolve to relevant content and landing pages





# Basic tier requirements

- Enables members to register content and deposit the required metadata
- Has the ability to support and display multiple client prefixes
- Supports continuous resolution of client's DOIs through platform migrations
- Keeps direct communication channels with Crossref and shares feedback on our tools and integrations



# Advanced tier requirements

Everything in the basic tier plus:

- Facilitates the deposit and update of required, recommended, and optional metadata elements that appear in Participation Reports
- Supports the latest schema versions (schema 5 versions)



# Application and accreditation process

- Online application form will be made available on our website
  - Accreditation call
  - Tier of the Service Provider determined
- Annual renewal (through an accreditation form, which will be updated over time)



# ! Crossref Service Providers program

Which service providers in this space would you like to see as part of the program?

Share your suggestions in the chat!



# Q&A





# Thank you

LinkedIn: <https://www.linkedin.com/company/crossref/>

Mastodon: [@crossref@mastodon.online](https://mastodon.online/@crossref)

Bluesky: [@crossref.bsky.social](https://bsky.social/@crossref)

What are we thinking about: [crossref.org/blog](https://crossref.org/blog)

Conversations: [community.crossref.org](https://community.crossref.org)

Get in touch: [feedback@crossref.org](mailto:feedback@crossref.org)

Newsletter: [Click 'Get email updates' in website footer](#)