



CONNECTING RESEARCH,
IDENTIFYING KNOWLEDGE

DataCite Open By Design

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27 June 2022

Better Together: Open new possibilities with Open Infrastructure

Crossref/DataCite/ORCID joint webinar series for APAC community



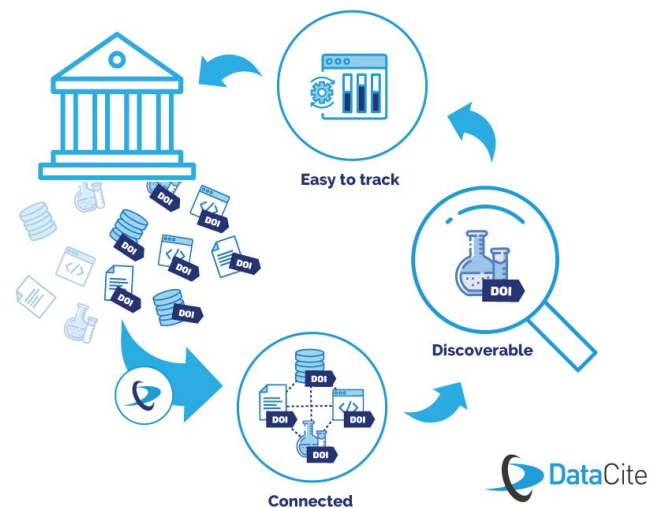
[@datacite](https://twitter.com/datacite)



About DataCite



Global non-profit membership organization working with 2600+ repositories in the world to provide DOIs for data and other research outputs.



<https://datacite.org/>

Our Community



2600+
Repositories



276
Members



50
Countries



35m+
DOIs



1000+
Organizations

Our Community

DataCite is a community led organization that is open to participation from members around the world.

- Our vision at DataCite is **Connecting Research, Identifying Knowledge**
- A global community that is mission and goal oriented
- The strength of DataCite is in its active community membership!



Open Infrastructure

... the core elements that enable the creation of tools and services used by researchers, must be available to everyone, with no barriers to access.

- Community governance
- Sustainability
- Insurance / Trust
- Value
- Interoperability
- Equity



LEARNED PUBLISHING

Opinion Piece | Free Access

Why openness makes research infrastructure resilient

Helena Cousijn, Ginny Hendricks, Alice Meadows

First published: 18 January 2021 | <https://doi.org/10.1002/leap.1361>

SECTIONS PDF TOOLS SHARE

Key points

- Open research infrastructure provides the building blocks of scientific progress, which must be available to everyone, with no barriers to access.
- Organizations enabling open research infrastructure must endorse these fundamental principles: equity, value, trust, interoperability, sustainability, and community governance.
- Finding ways to invite co-creation and community participation engenders a strong sense of 'buy-in' and is therefore essential to developing successful research infrastructure.

References Related Information

Metrics

<https://doi.org/10.1002/leap.1361>

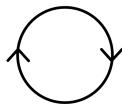
POSI

Bilder G, Lin J, Neylon C (2020), The Principles of Open Scholarly Infrastructure, retrieved June 2022, <https://doi.org/10.24343/C34W2H>

DataCite has conducted an audit against the POSI and would like to affirm our commitment to uphold these principles.



Governance



Sustainability



Insurance

Governance	
	Coverage across the research enterprise
	Stakeholder Governed
	Non-discriminatory membership
	Transparent operations
	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 contingency fund to support operations for 12 months
	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

Community Governance



DataCite facilitates open participation by involving interested community members in governance.

- DataCite members
- Executive Board
- Service and Technology Steering Group
 - Re3data Working group
 - Metadata Working group
- Community Engagement Steering Group
 - Asia and Pacific (APAC)
 - Europe, Middle East, and Africa (EMEA)
 - The Americas

ANNUAL REPORTS

DataCite prepares an annual report in advance of our annual General Assembly meeting that describes our activities for the past year.

1. [Annual Report 2017](#)
2. [Annual Report 2018](#)
3. [Annual Report 2019](#)
4. [Annual Report 2020](#)
5. [Annual Report 2021](#)

BOARD MEETING SUMMARIES

As a nonprofit, the DataCite Board meets several times each year, either remotely or in-person. The Board meeting summaries can be found below.

- [2022 Board Meeting Summaries](#)
- [2021 Board Meeting Summaries](#)
- [2020 Board Meeting Summaries](#)

STATUTES

As a nonprofit, DataCite is governed by a set of statutes that are approved by our board and members. The latest approved version of our statutes is below.

- [Statutes](#)




<https://datacite.org/governance.html>

Long-term Sustainability



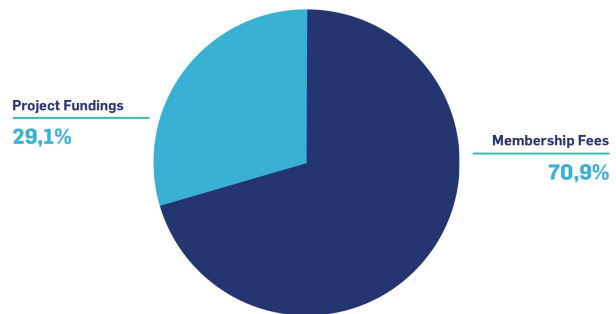
- DataCite is sustainable through membership and service fees
- Fee model principles:
 - Predictability
 - Scalability
 - Sustainability
 - Simplicity
 - Inclusivity
- Tiered memberships
 - Consortium member
 - Direct Member

DataCite Fee Model

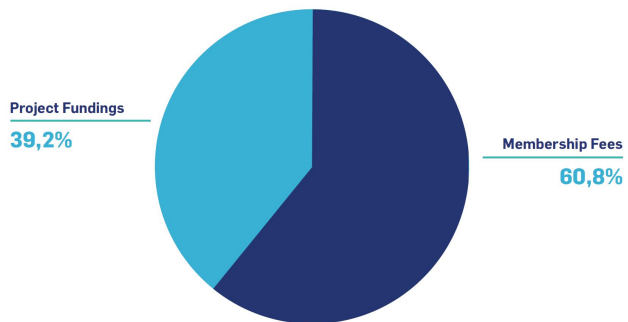
	Membership fee 2,000€	Organization service fee 500€	DOI registration fee 0,80€ - 8,500€
Research group	×	×	×
Repository	×	×	✓
 Consortium Organization	×	✓	✓
 Direct Member	✓	✓	✓
 Consortium Lead	✓	✓ for each organization	✓ for each organization

<https://datacite.org/feemodel.html>

Long-term Sustainability



2019



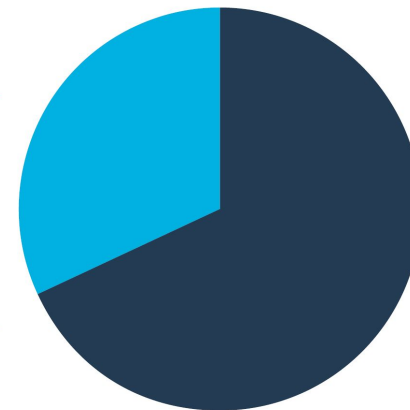
2020

Project Fundings

31,7 %

Membership Fees

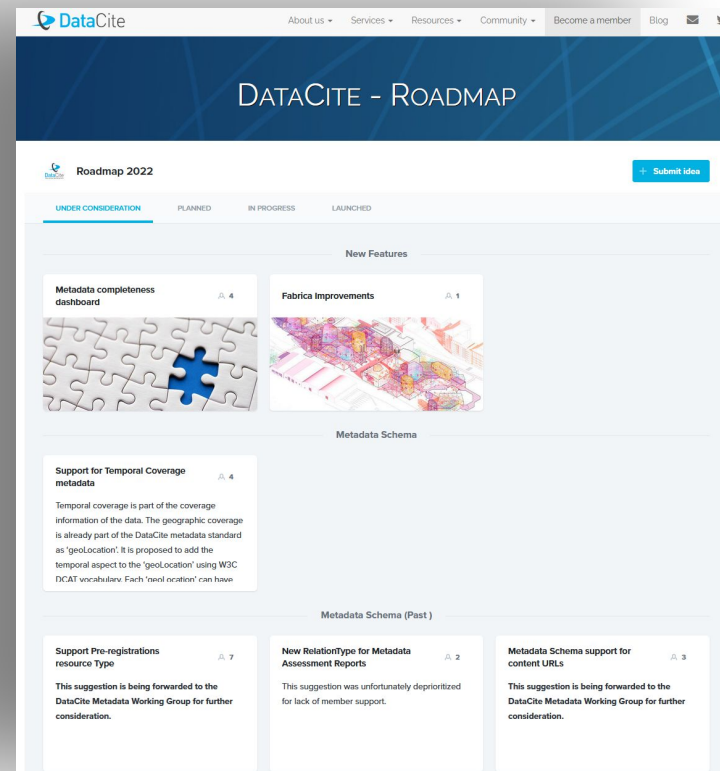
68,3 %



2021

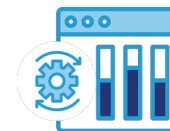
Build Trust with Insurance

- CCO license for all DOIs and deposited metadata in our database
- Open source and fully permissible MIT License for all DataCite code and software
- Transparent development roadmap and prioritization
- Open and transparent governance structures



The screenshot shows the DataCite Roadmap 2022 page. The header includes the DataCite logo and navigation links: About us, Services, Resources, Community, Become a member, Blog, and social media icons. The main heading is "DATA CITE - ROADMAP". Below this, there's a "Roadmap 2022" section with a "Submit Idea" button. The roadmap is categorized into "UNDER CONSIDERATION", "PLANNED", "IN PROGRESS", and "LAUNCHED". The "UNDER CONSIDERATION" section is active, showing "New Features" and "Metadata Schema" categories. Under "New Features", there are two items: "Metadata completeness dashboard" (4 votes) and "Fabrica Improvements" (1 vote). Under "Metadata Schema", there are three items: "Support for Temporal Coverage metadata" (4 votes), "Support Pre-registrations resource Type" (7 votes), "New RelationType for Metadata Assessment Reports" (2 votes), and "Metadata Schema support for content URLs" (3 votes). Each item includes a brief description of the proposal and its current status.

Our Value



Registering DataCite DOIs makes your research outputs discoverable.

- A DOI makes your research outputs uniquely identifiable.
- Metadata that you register with DataCite is in a central location, harvestable by anyone.
- Metadata for our Members' research outputs appear in other search engines.

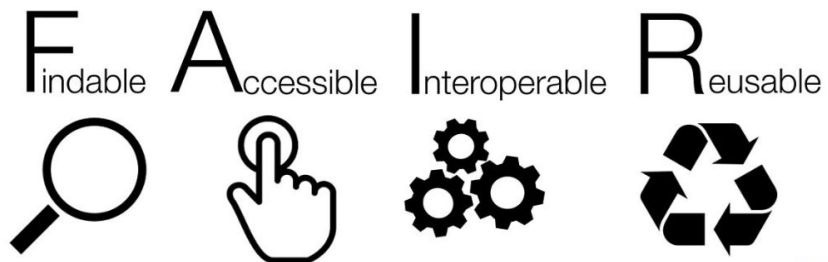
DataCite services make it easy to follow best practices.

- We make research data management easy: you register your first DOI in less than 1 minute.
- DataCite DOIs and metadata help you make your research FAIR.
- We connect you to the DataCite Member community, which is full of passionate people who share experience and continue to support best practice.
- Our metadata schema is extensive and has been adopted by other PID service providers globally.

DataCite services help you track and report on your research.

- A DOI enables easy tracking of your research outputs through simple user interfaces.
- DataCite services make institutional reporting simple.
- DataCite services support data citation and usage analytics

Contributing to Interoperability



Equitable Access

Open source code, open APIs and open metadata enable different stakeholders to use the DataCite infrastructure

- Repository platform - integrate with the API to provide DOI registration functionality
- Harvester- use OAI PMH to ingest DataCite metadata
- Research institution - obtain metrics for my different research output
- Developer - reuse the DataCite code



276

Members

1 member = 1 vote



CONNECTING RESEARCH,
IDENTIFYING KNOWLEDGE



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pidforum.org



datacite.org
blog.datacite.org



support@datacite.org
support@datacite.org



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