DataCite

Assigning DOIs for FAIR

research outputs





Helena Cousijn, PhD

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About DataCite



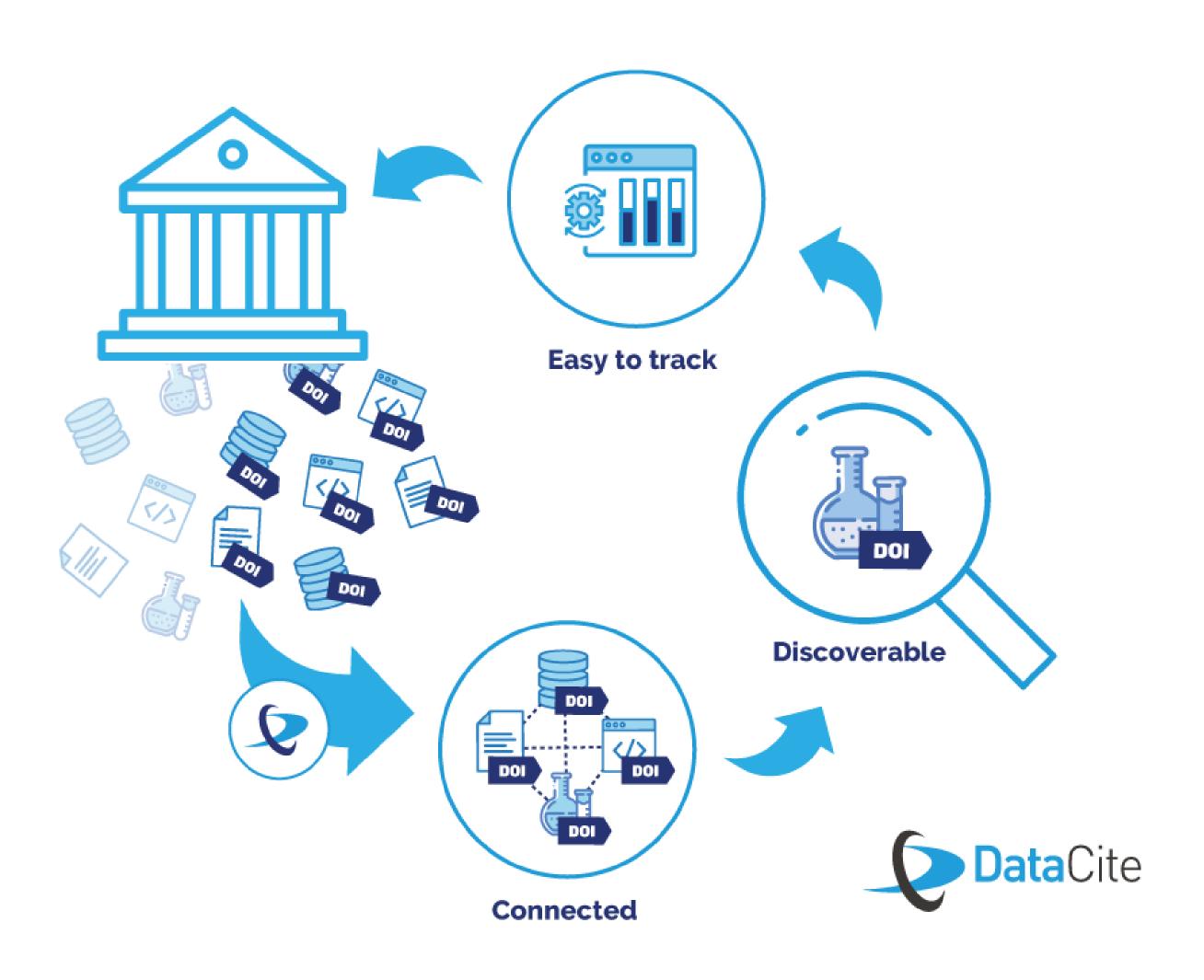
Global non-profit membership organization working with 2100+ repositories in the world to provide DOIs for data and other research outputs.

https://datacite.org/



What we do





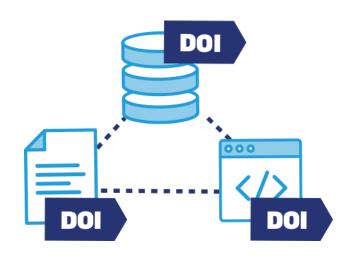
Our value





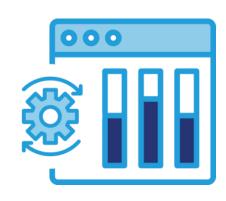
Registering DataCite DOIs makes your research outputs discoverable.

- · 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

PIDs make data FAIR



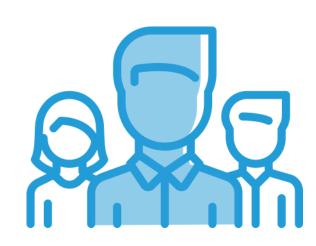
Data should be	F1. (meta)data are assigned a globally unique and persistent identifier (DOI)		
Findable	F2. data are described with rich metadata F3. metadata clearly and explicitly include the identifier of the data it describes		
	F4. (meta)data are registered or indexed in a searchable resource		
Data should be	A1. (meta)data are retrievable by their identifier using a standardized communications		
Accessible	protocol		
	A1.1 the protocol is open, free, and universally implementable		
	A1.2 the protocol allows for an authentication and authorization procedure, where		
	necessary		
	A2. metadata are accessible, even when the data are no longer available		
Data should be	I1. (meta)data use a formal, accessible, shared, and broadly applicable language for		
Interoperable	knowledge representation.		
	I2. (meta)data use vocabularies that follow FAIR principles		
	I3. (meta)data include qualified references to other (meta)data		
Data should be	R1. meta(data) are richly described with a plurality of accurate and relevant attributes		
Reusable	R1.1. (meta)data are released with a clear and accessible data usage license R1.2. (meta)data are associated with detailed provenance		
	R1.3. (meta)data meet domain-relevant community standards		

DataCite Community

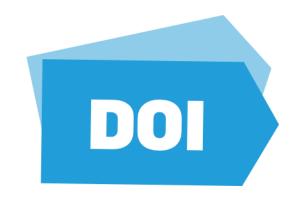














2200+

Repositories

245

Members

46

Countries

25m+

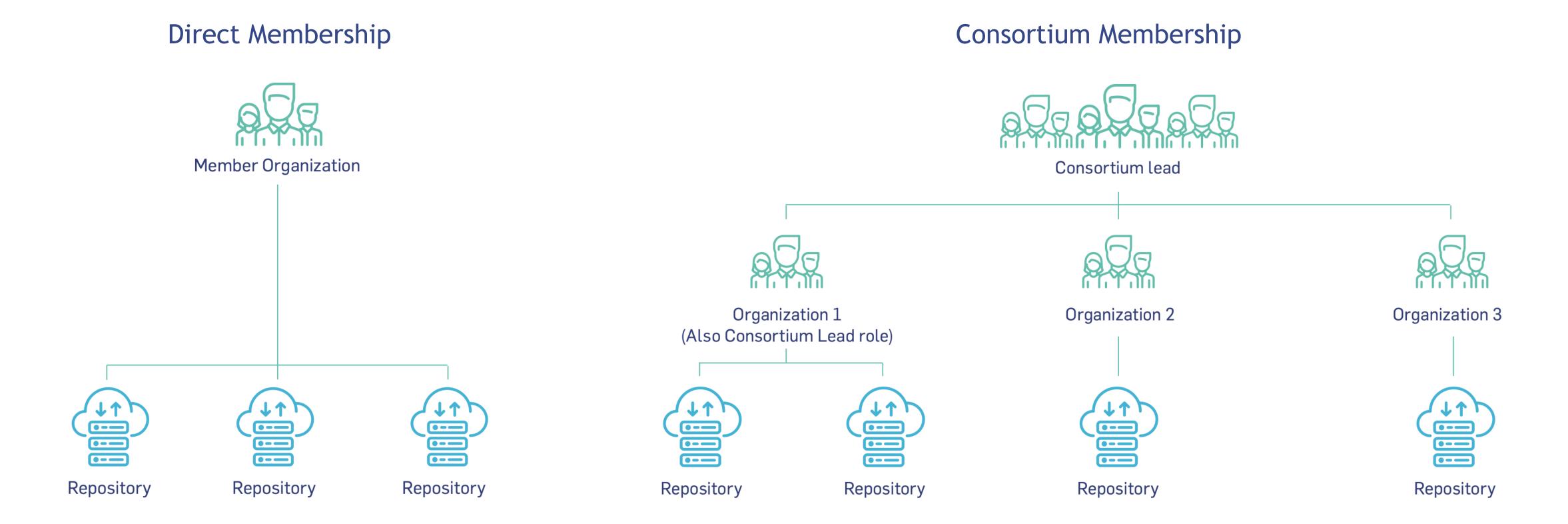
DOIs

900+

Organizations

DataCite Membership





n Africa











DataCite @datacite · May 28

We'd like to welcome @UbuntuNet as @datacite's latest consortium lead.

We're looking forward to building Africa's first DataCite consortium with you, spreading the word of #DOIs, #PIDs, #OpenScience and #metadata !!!

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DataCite DOI registration

Types of research outputs



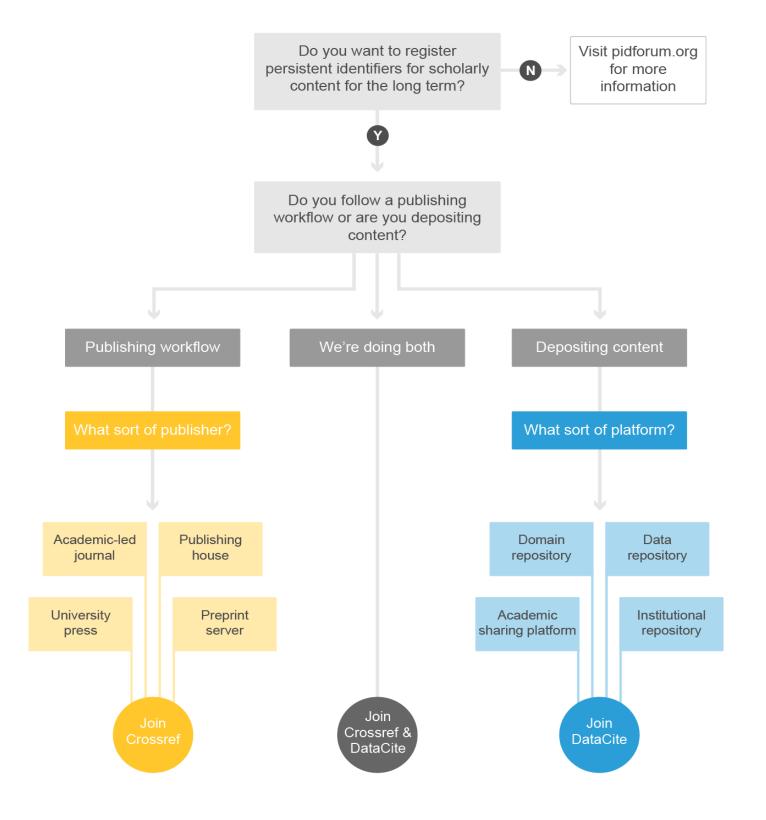
DATACITE DOIS ARE SUITABLE FOR A WIDE RANGE OF RESEARCH OUTPUTS

1. Research datasets and collections, associated workflows, software, images, and models

2. Grey literature such as theses, dissertations, reports, unpublished conference papers, newsletters, preprint journal articles, technical standards, and specifications for which the institutional repository is the primary publication point.

Crossref or DataCite







Crossref is a membership organisation for scholarly publishers providing services to help the scholarly community find, cite, link, assess and re-use published content.



Datacite is a membership organisation working with the respository community to register DOIs for a range of content and provides services to create, find, cite, connect, and use research.

Create and Manage DOIs

DataCite membership allows you to create and manage DOIs for all of your repositories. You can do this through:

- Our primary REST API that supports
 JSON and enables automated DOI registration
- · Our manual interface that enables you to register DOIs in less than a minute.
- · Registered DataCite Service providers that provide a platform where you can register DOIs.





DO web interface

ONE-STOP SERVICE TO CREATE AND MANAGE DOIS FOR YOUR ORGANIZATION

- 1. Tools to create, manage, and find DOIs and metadata
- 2. Statistics on DOI activities
- 3. Link checker information
- 4. Maintain organization information





DataCite Fabrica is the one place for you to create and find, connect and track every single DOI from your organization. Fabrica complements the REST, MDS, EZ, OAI-PMH, and GraphQL APIs. Fabrica includes all the functionalities needed to manage repositories, prefixes, DOIs and their metadata. Please sign in to use the service.



Repositories

Use Fabrica to manage your repositories.



Prefixes

Use Fabrica to manage your prefixes.



DOIs

Register and manage DOIs and their metadata through Fabrica.

About DataCite

What we do Governance Members Steering groups Job opportunities

Services Assign DOIs

Metadata search Event data Profiles re3data

Resources

Metadata schema Support Fee Model

Community

Members

Contact us



Terms and conditions Privacy policy



DataCite Discover and connect

Relations in the metadata



Organizations that register DOIs submit metadata following a metadata schema

Mandatory	Recommended	Optional
Identifier	Subject	Language
Creator (with ORCiD)	Contributor	Alternate ID
Title	Date	Size
Publisher	Related identifier	Format
Publication year	Description	Version
Resource Type	GeoLocation	Rights

https://schema.datacite.org

Current version 4.4

Metadata discoverability



All metadata submitted to DataCite are available under a CC0 license and can be harvested in different ways. This means that outputs with a DataCite DOI are made available on different platforms such as:

- DataCite Commons
- OpenAIRE
- Google Dataset Search (for resource type 'dataset')
- Clarivate's Data Citation Index

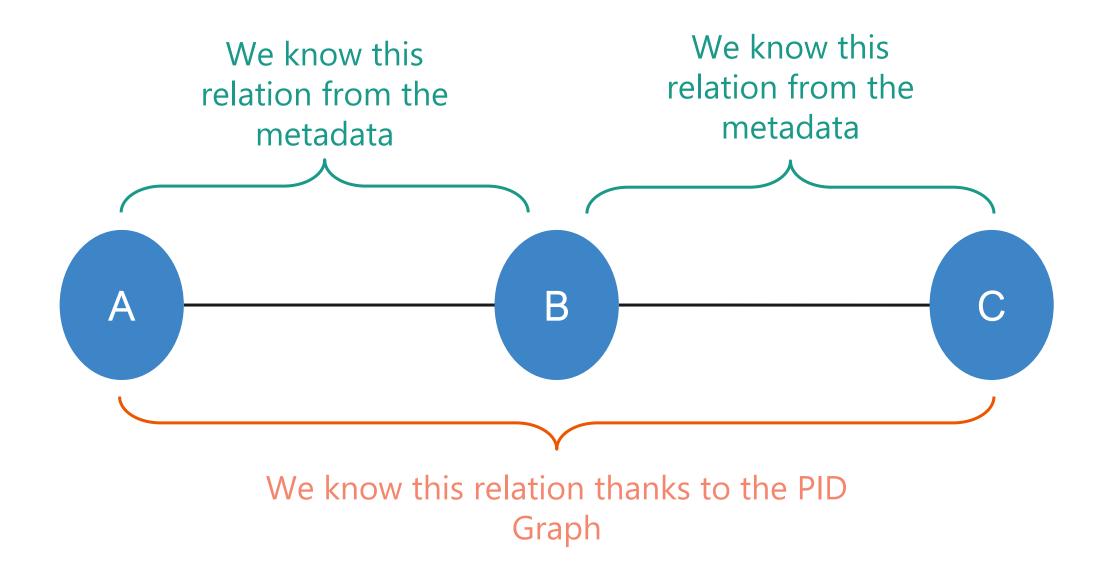
We are currently working on a new service for metadata harvesting.

PID Graph



The PID Graph is a concept from one of our partner projects, FREYA (https://www.project-freya.eu).

The basic idea is to link PIDs for different entities together via relations in their metadata to enable the discovery of connections at least two steps away.





Find and Connect Research



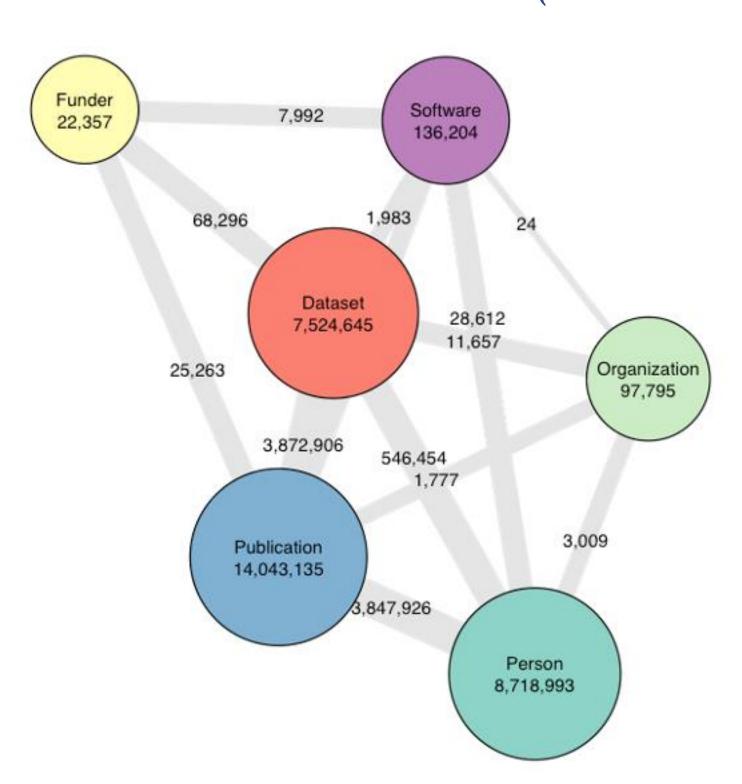


Find Research with DataCite Commons



PID Graph

Number of nodes and connections (08 MAI 2020)



commons.datacite.org



Get in touch!



Email us:

info@datacite.org



Follow us:

@datacite



Talk to us:

pidtorum.org



Read about us:

datacite.org



Get support:

support.datacite.org support@datacite.org