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Making research outputs discoverable with DataCite DOIs

Wednesday, 16th September 2020

About DataCite

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

Connecting research, identifying knowledge.

DataCite's mission is to be the world's leading provider of persistent identifiers for research. Through our portfolio of services, we provide the means to create, find, cite, connect, and use research. We seek to create value and develop community - driven, innovative, open, integrated, useable and sustainable services for research.

https://datacite.org/

DataCite DOIs in Africa

DataCite DOIs are used by repositories in 8 different countries in Africa

Morocco

Ghana

Nigeria

Ethiopia

Kenya

Tanzania

Malawi
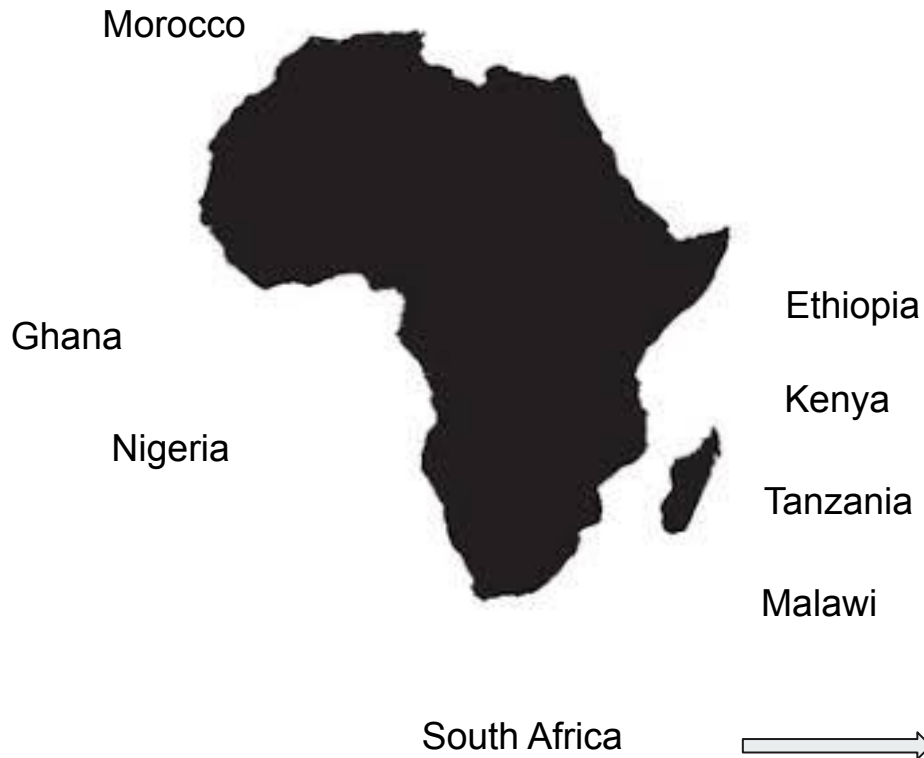
South Africa ⟹

South Africa:

- DataFirst
- National Research Foundation of South Africa
- Cape Peninsula University of Technology
- Nelson Mandela University
- Sefako Makgatho Health Sciences University
- Stellenbosch University
- University of Cape Town (UCT)
- University of Johannesburg
- University of KwaZulu-Natal(UKZN)
- UNISA
- University of Pretoria
- University of Western Cape
- Walter Sisulu University
- Africa Health Research Institute
- South African Medical Research Council (SAMRC)

Value

1) 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.

2) 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.

3) 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

Types of research outputs

DATACITE DOI s 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.

DOIs for digitized resources

https://doi.org/10.16903/ethz-grs-D_005245

DOIs for digitized resources

https://doi.org/10.25645/990013587990302884
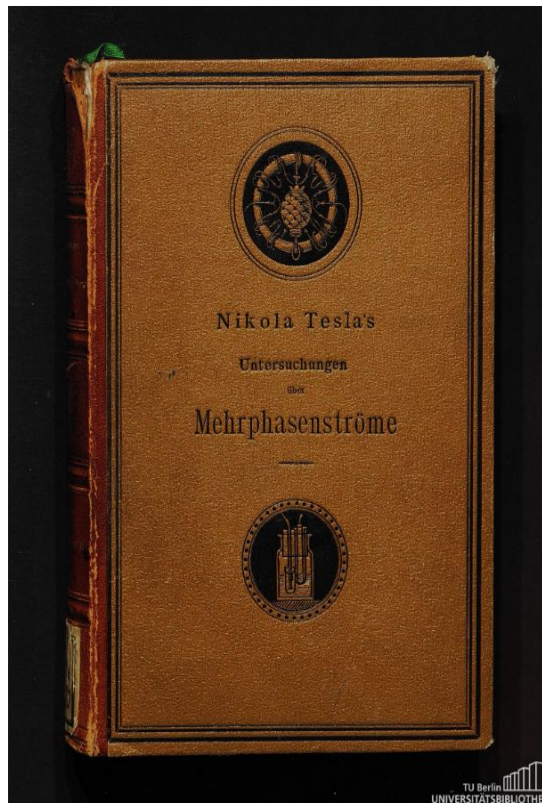
DataCite metadata schema

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

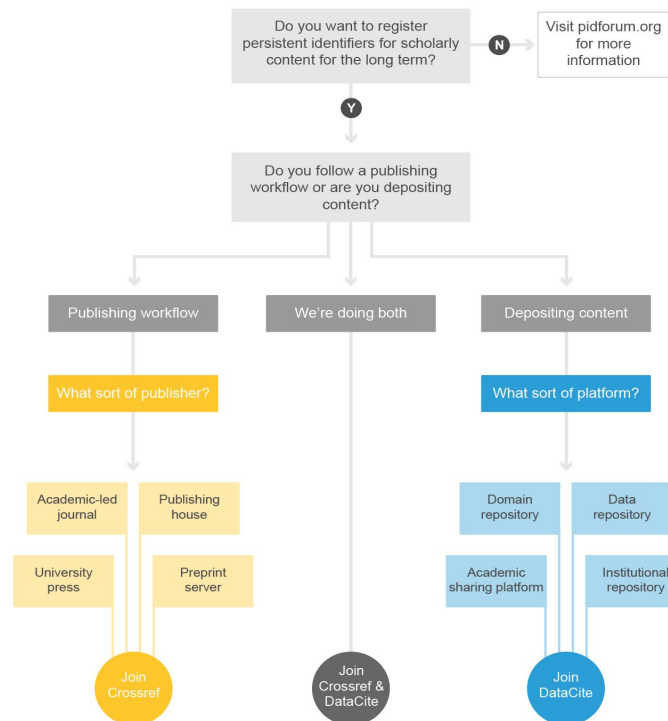https://schema.datacite.org

Current version 4.3
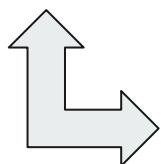
Audiovisual
Collection
DataPaper
Dataset
Event
Image
InteractiveResource
Model

PhysicalObject
Service
Software
Sound
Text
Workflow
Other

DataCite and Crossref

Do you want to register persistent identifiers for scholarly content for the long term?

N → Visit pidforum.org for more information

Y

Do you follow a publishing workflow or are you depositing content?

Publishing workflow | We're doing both | Depositing content

What sort of publisher? | | What sort of platform?

Academic-led journal | Publishing house | | Domain repository | Data repository

University press | Preprint server | | Academic sharing platform | Institutional repository

Join Crossref | Join Crossref & DataCite | Join 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.

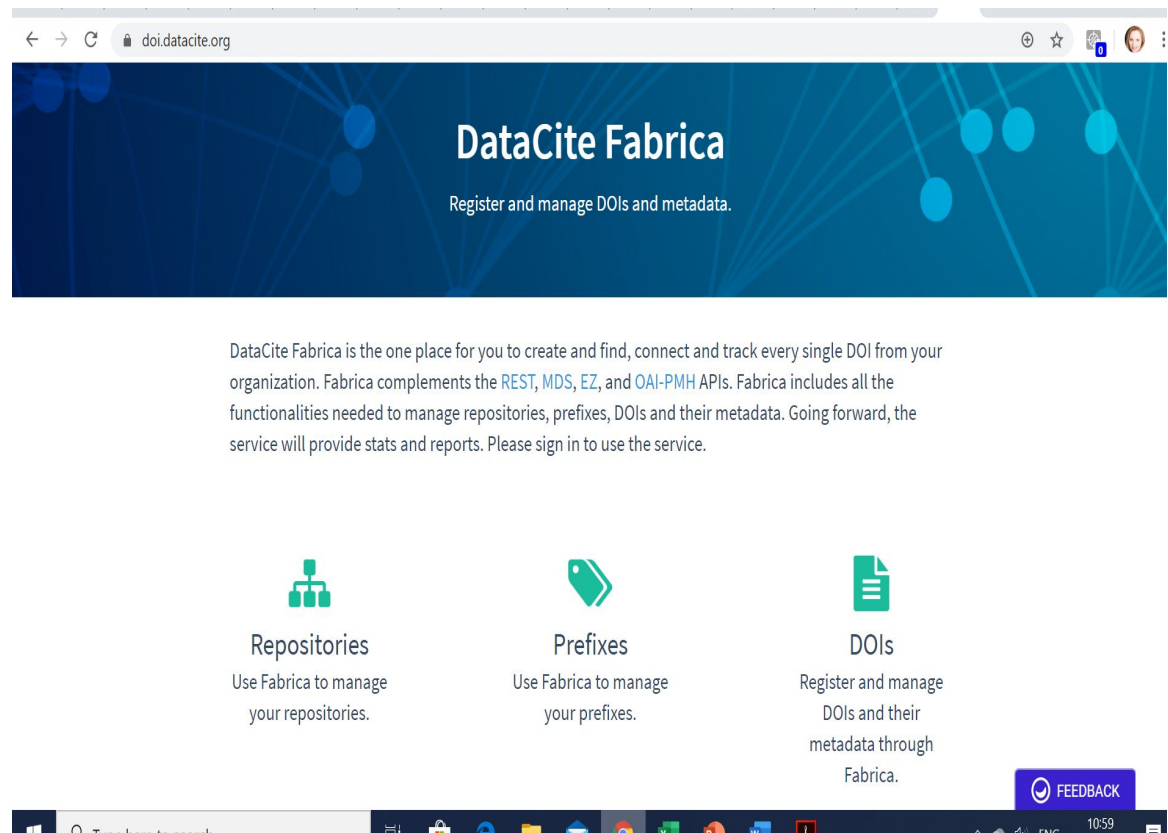https://support.datacite.org/docs/datacite-or-crossref

Create and manage DOIs in our system

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

Or work with a service provider

A DataCite Registered Service Provider is an organization that has integrated with one of the DataCite APIs in order to allow existing DataCite Members to register DOIs using that Member's own log-in credentials. A CRIS or a repository platform are both examples of a Service Provider.
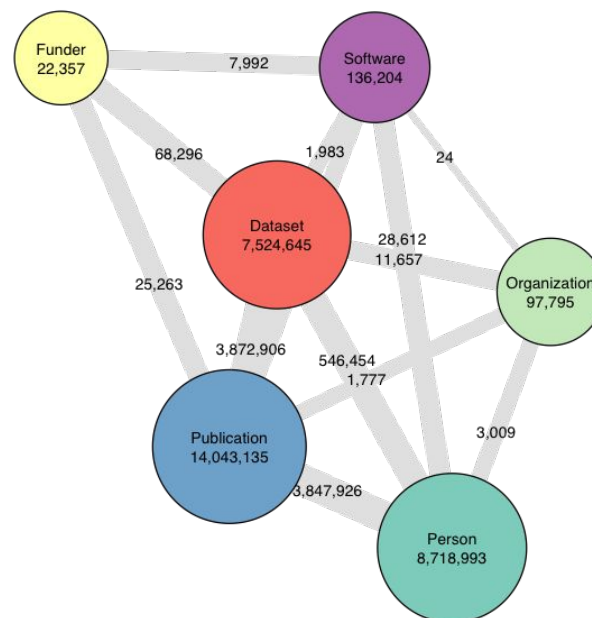
Connected research

Find Research with **DataCite Commons**

Type to search...

Works · People · Organizations

ROR · ORCID · DataCite · Crossref

PID Graph
Number of nodes and connections (08 Mai 2020)

Funder 22,357 · 7,992 · Software 136,204
68,296 · 1,983 · 24
Dataset 7,524,645 · 28,612 · 11,657
25,263 · Organization 97,795
3,872,906 · 546,454 · 1,777
Publication 14,043,135 · 3,009
3,847,926 · Person 8,718,993

commons.datacite.org

Get in touch!

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