

IGSN - DataCite Technical Transition



Cody Ross
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Transition Timeline



Technical Plans

- Share overview of technical transition with IGSN Allocating Agents
- Develop best practices for IGSN DOI metadata and namespaces

Continue Transitioning

- Launch IGSN DOI registration for existing DataCite Members
- IGSN Allocating Agents re-register existing IGSNs as IGSN DOIs

●
Q1

Q2
●

Q3
●

Q4
●

Start Transitioning

- Provide best practice and workflow documents for IGSN DOI registration
- Share detailed technical transition documentation
- Transition IGSN Allocating Agents to use DataCite tools and APIs

Aliasing

- Alias all IGSN handles to IGSN DOIs registered in the DOI system

Implementing IGSN DOIs



For DataCite Members and Consortium Organizations

- Create a separate Repository and prefix for IGSNs
- Use IGSN best practices for metadata and DOI suffixes

For IGSN Allocating Agents

- Adopt DataCite services and APIs to register IGSN DOIs
- Migrate existing IGSNs to DataCite systems

<https://support.datacite.org/>

IGSN DOI Metadata



Upcoming guidance

- **Best practices for IGSN metadata in the DataCite schema**
- **Crosswalk for IGSN registration metadata**
- **Potential changes to DataCite metadata schema to meet the needs of the IGSN and samples communities**

<https://support.datacite.org/>

IGSN DOI Suffixes



Upcoming guidance

- **Best practices for IGSN DOI suffixes, including guidance on existing IGSN syntax practices and namespace allocations**

<http://igsn.github.io/namespaces/>

<http://igsn.github.io/syntax/>

<https://support.datacite.org/>



Get in touch!



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info@datacite.org



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Read about us:
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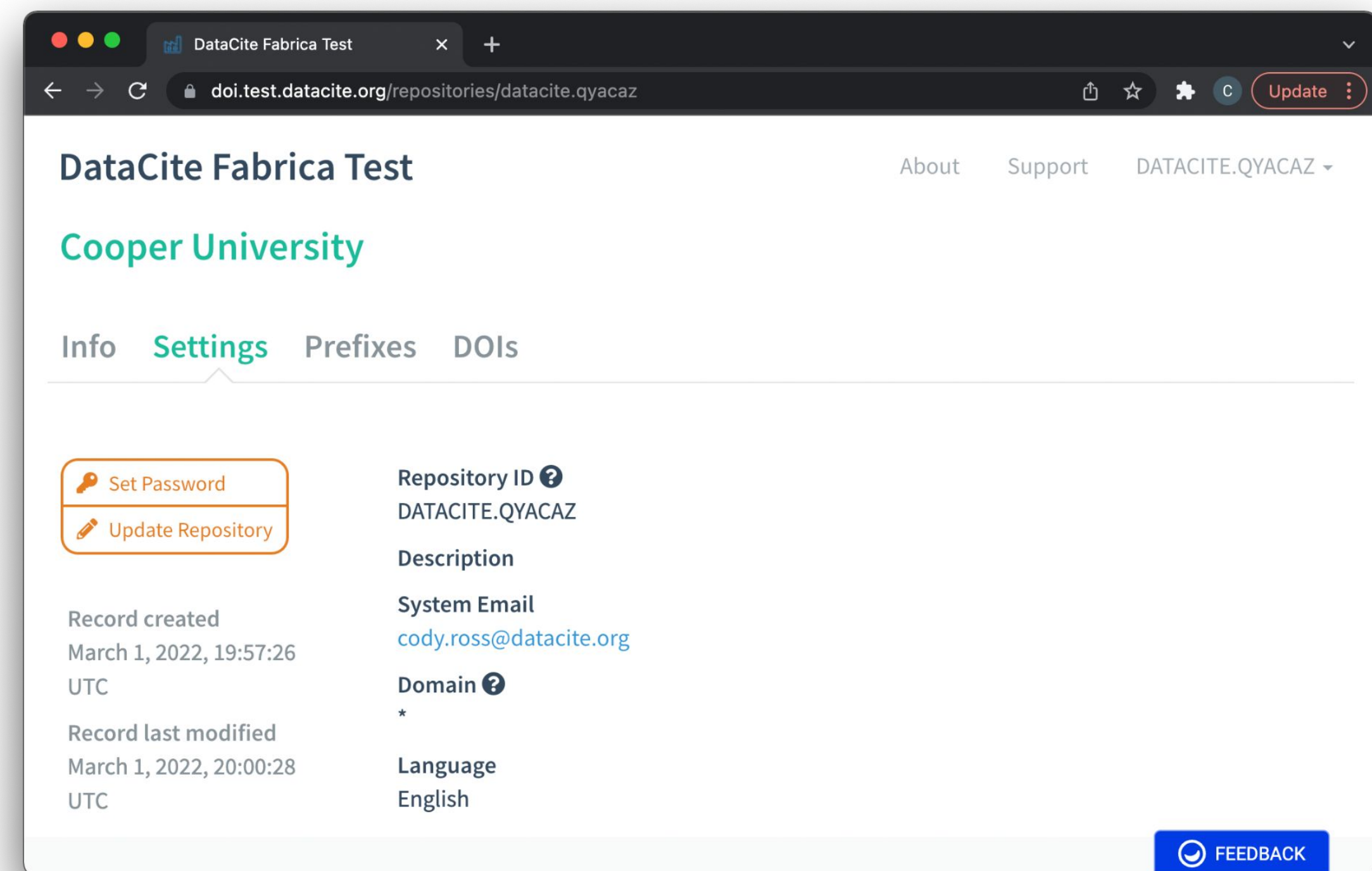
Get support:
support.datacite.org
support@datacite.org

IGSN Repositories



Create a new Repository specifically for IGSNs and assign a prefix.

<https://support.datacite.org/>



IGSN Metadata

Six mandatory properties are required to register a DOI using DataCite services.

IGSNs must contain “PhysicalObject” in the resourceTypeGeneral attribute of the resourceType property.

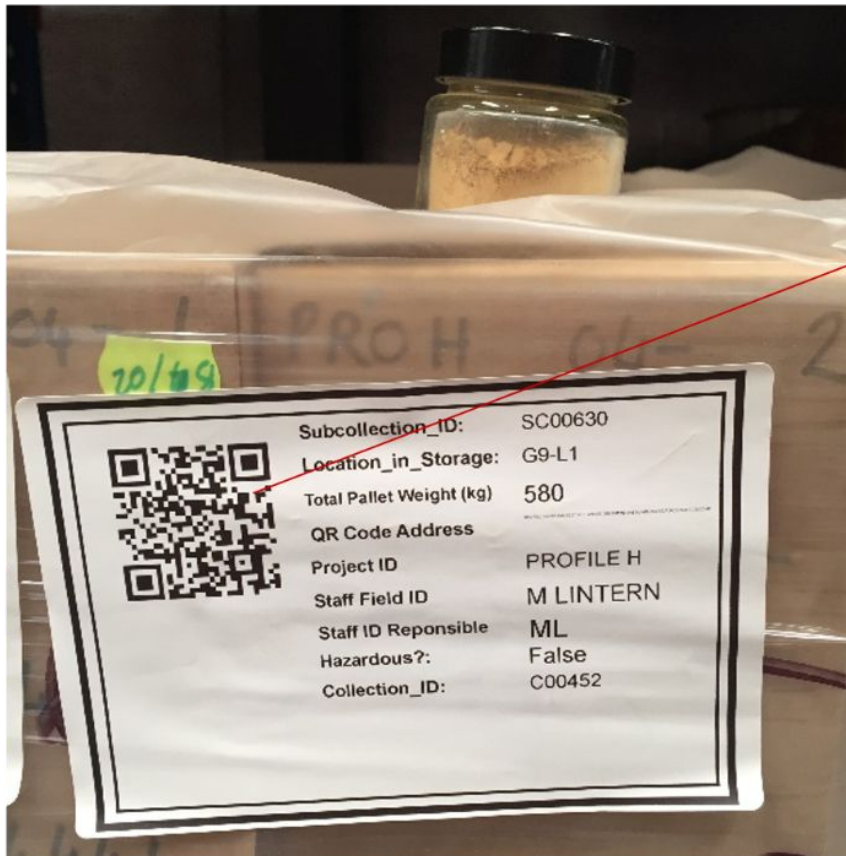
Mandatory Properties
Identifier
Creator
Title
Publisher
PublicationYear
ResourceType

<https://schema.datacite.org/>

IGSN Namespaces

You may choose to register IGSN DOI suffixes with your existing IGSN namespace allocation, including:

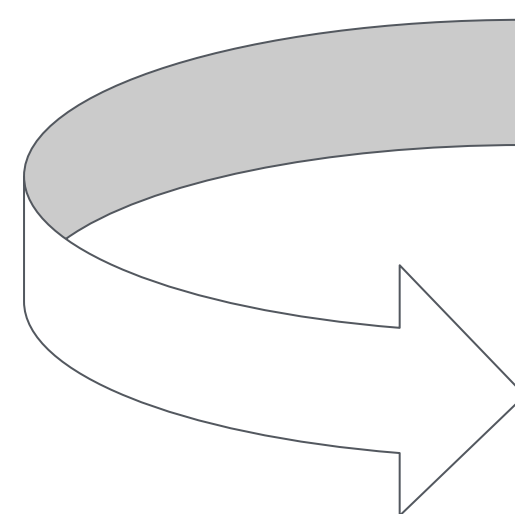
- Agent namespace
- Client sub-namespace
- Sample code



IGSN : CSRWASC00630

1 2 3

- 1 IGSN agent namespace ('CS' represents CSIRO, Australia)
- 2 Sub-namespace of the client ('RWA' refers to the Repository of the Australian Resources Research Centre (ARRC))
- 3 Sample code specified by the client



10.82206/CSRWASC00630

DataCite

Chapter cover 01

DataCite

Chapter cover 02

“In order to make it more dynamic, we highlight pages as well as we highlight text.”

Our value



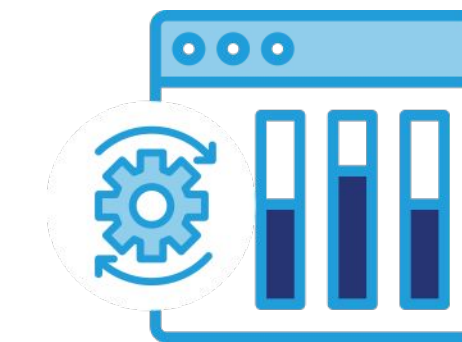
Registering DataCite DOIs makes your research outputs discoverable.

- 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



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

Our community



2000+
Repositories

238
Members

44
Countries

20m+
DOIs

800+
Organizations

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/>

**Connecting research,
identifying knowledge**

Types of research outputs



DATA CITE DOIs ARE SUITABLE FOR A WIDE RANGE OF
RESEARCH OUTPUTS

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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.

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.

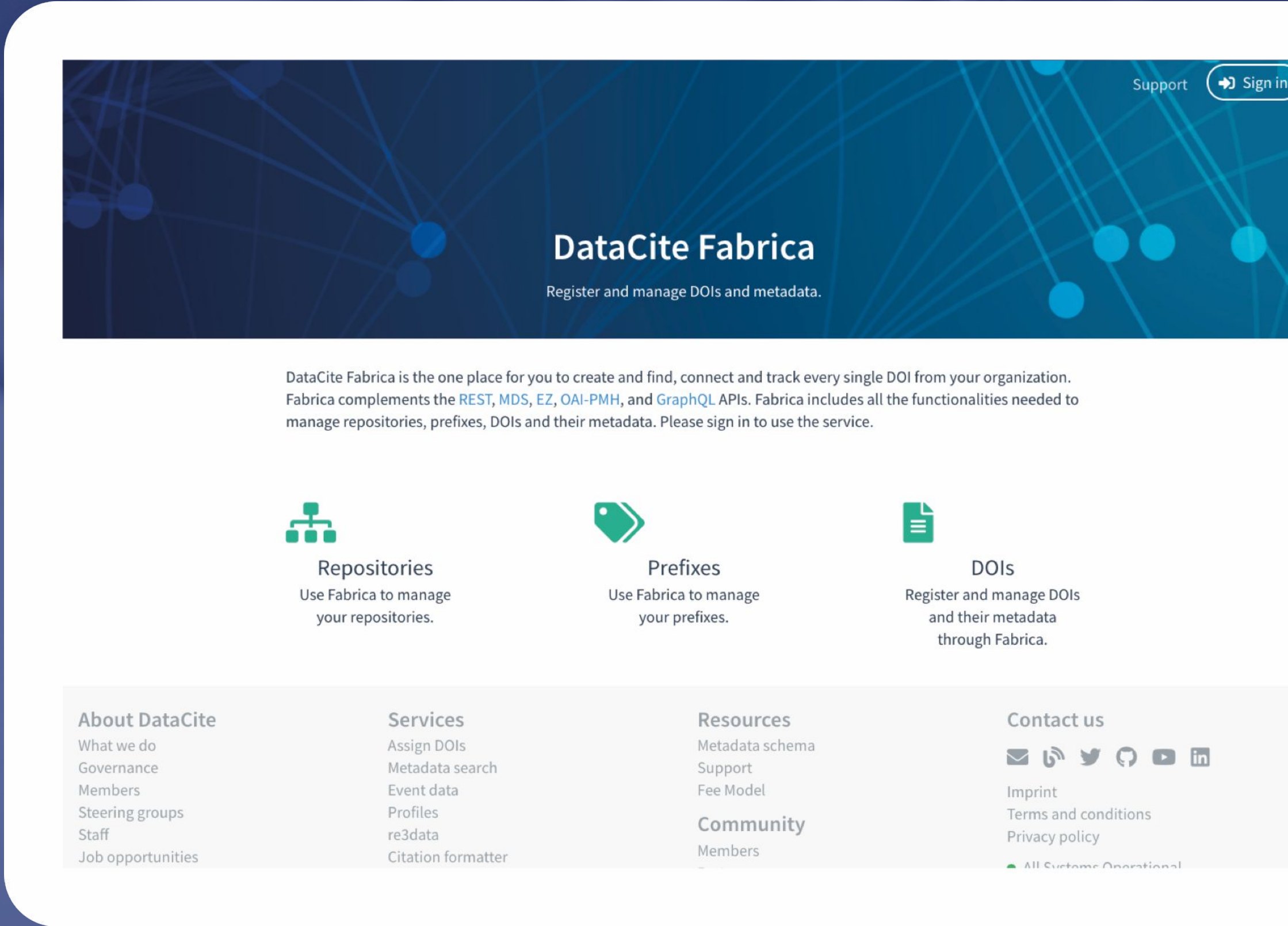


DOI web interface



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







Find and Connect Research







Find Research with DataCite Commons

Type to search... 

 Works  People  Organizations

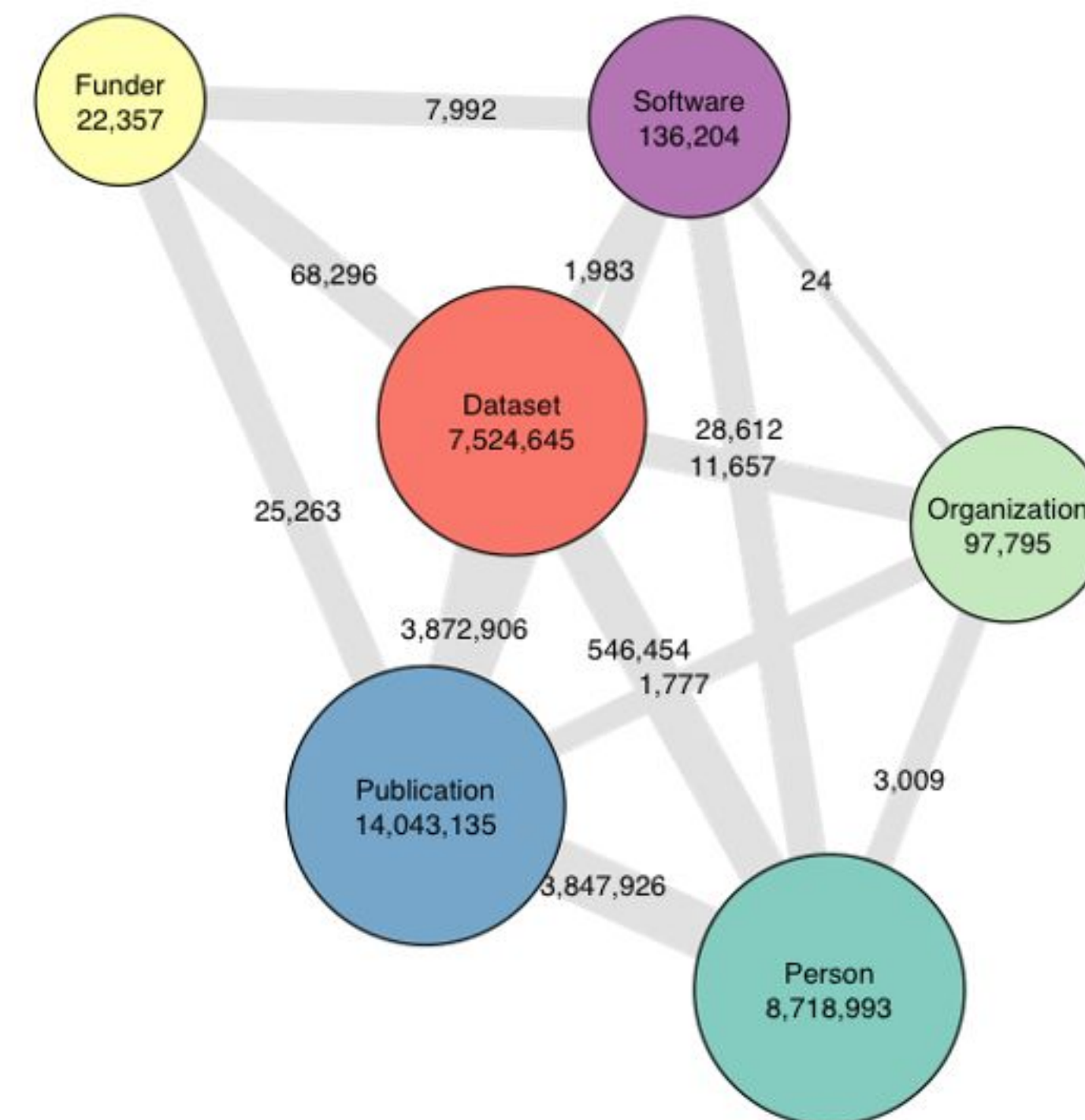
 

 DataCite  Crossref 

PID Graph

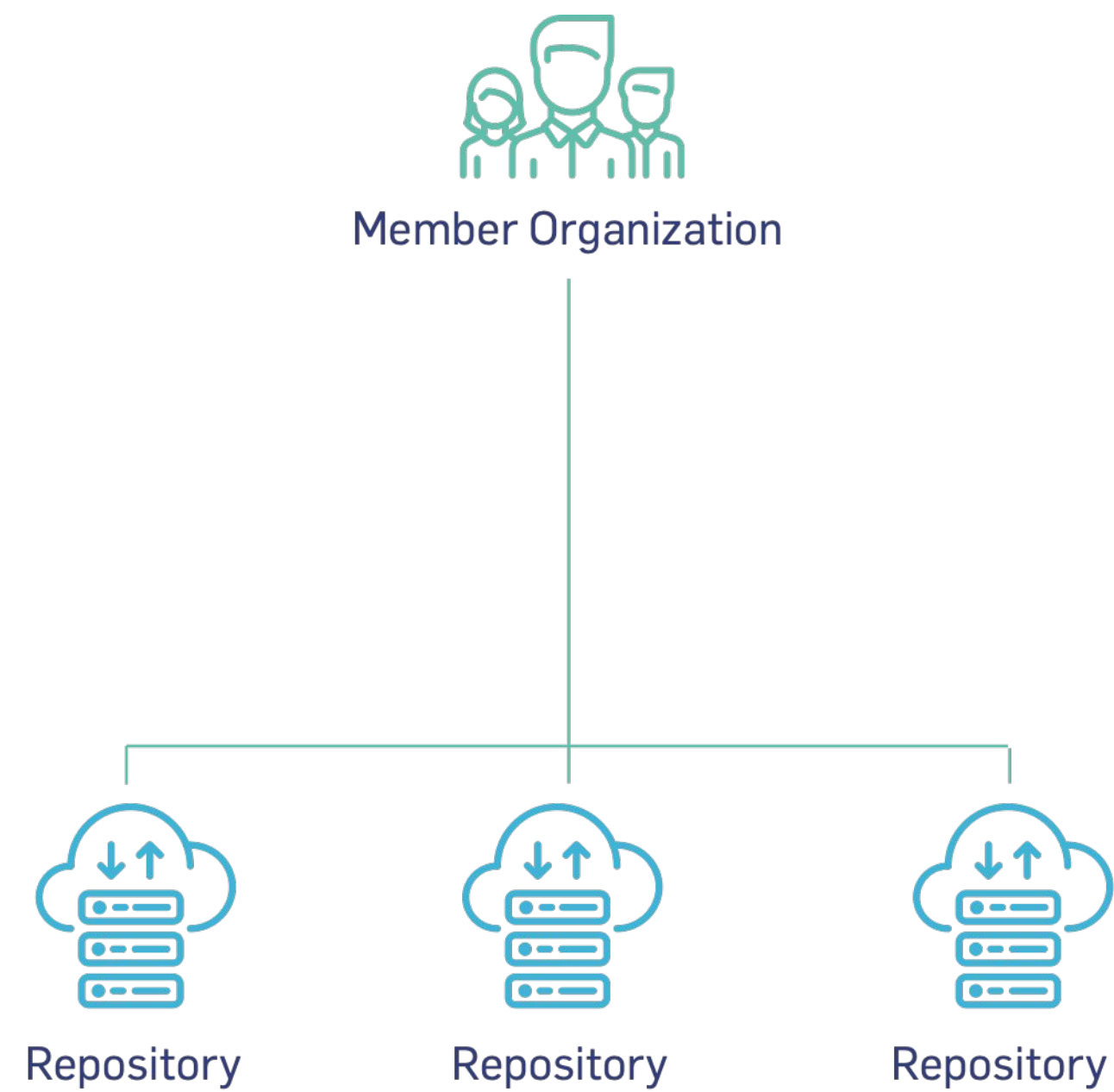
Number of nodes and connections (08 MAY 2020)



DataCite Membership



Direct Membership



Consortium Membership

