DataCite is a not-for-profit member organization founded in 2009 with a mission to connect research and identify knowledge. DataCite works with DOIs (Digital Object Identifiers). DataCite members assign DOIs to research objects, the DOIs are registered in the global handle server. The metadata associated with the DOI helps describe the object and make it citable & findable.

HOW?

DataCite DOIs are unique and persistent. They are centrally managed and governed by the International DOI Foundation (IDF).

DataCite DOIs use https protocol and resolve to a landing page. DataCite stores metadata via reliable community owned infrastructure and makes it available openly.

The DataCite metadata schema is provided in DataCite XML and other formats. Links to other persistent identifiers (PIDs) e.g. Crossref DOIs, ORCIDs & ROR IDs can be included in the metadata of any DataCite DOI.

The DataCite Metadata Schema is a list of core metadata properties chosen for accurate and consistent identification of a resource for citation and retrieval purposes. DataCite Metadata includes options to describe when and by whom the content was made.

1. AN OBJECT E.G. A DATASET IS UPLOADED INTO A REPOSITORY

2. THE REPOSITORY (A DATACITE MEMBER) ASSIGNS A DATACITE DOI AND METADATA

3. THE CONTENT IS NOW SHARED IN A FAIR COMPLIANT WAY

THE FAIR DATA PRINCIPLES

- (META)DATA ARE ASSIGNED A GLOBALLY UNIQUE AND PERSISTENT IDENTIFIER
- (META)DATA ARE RETRIEVABLE VIA AN IDENTIFIER USING A STANDARDIZED PROTOCOL
- METADATA ARE ACCESSIBLE, EVEN WHEN THE DATA ARE NO LONGER AVAILABLE
- (META)DATA USE A FORMAL, ACCESSIBLE, SHARED, AND BROADLY APPLICABLE LANGUAGE KNOWLEDGE REPRESENTATION.
- (META)DATA INCLUDE QUALIFIED REFERENCES TO OTHER DATA
- (META)DATA ARE DESCRIBED WITH A PLURALITY OF ACCURATE & RELEVANT ATTRIBUTES
- (META)DATA ARE ASSOCIATED WITH DETAILED PROVENANCE

SERVICES & COMMUNITY

COLLABORATION

Crossref

ORCID

DATA METRICS & CITATIONS

OPEN SCIENCE GRAPHES

PID Graph
Number of nodes and connections (30 June 2019)