

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

<https://doi.org/10.15138/33bv-s284>

[A DATACITE DOI]

[DATACITE METADATA]

MANDATORY FIELDS

- Resolver service
- Prefix (unique namespace)
- Suffix (resource)
- IDENTIFIER
- URL/LANDING PAGE
- TITLE
- CREATOR
- PUBLISHER
- RESOURCE TYPE

ENRICH WITH OPTIONAL METADATA FIELDS

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

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

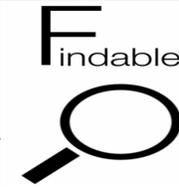
1. AN OBJECT E.G. A DATASET IS UPLOADED INTO A REPOSITORY



HOW?

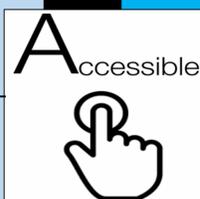
THE FAIR DATA PRINCIPLES

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



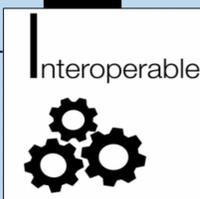
(META)DATA ARE ASSIGNED A GLOBALLY UNIQUE AND PERSISTENT IDENTIFIER

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



(META)DATA ARE RETRIEVABLE VIA AN IDENTIFIER USING A STANDARDIZED PROTOCOL
 (META)DATA ARE ACCESSIBLE, EVEN WHEN THE DATA ARE NO LONGER AVAILABLE

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



(META)DATA USE A FORMAL, ACCESSIBLE, SHARED, AND BROADLY APPLICABLE LANGUAGE KNOWLEDGE REPRESENTATION.
 (META)DATA INCLUDE QUALIFIED REFERENCES TO OTHER (META)DATA

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.



(META)DATA ARE DESCRIBED WITH A PLURALITY OF ACCURATE & RELEVANT ATTRIBUTES
 (META)DATA ARE ASSOCIATED WITH DETAILED PROVENANCE

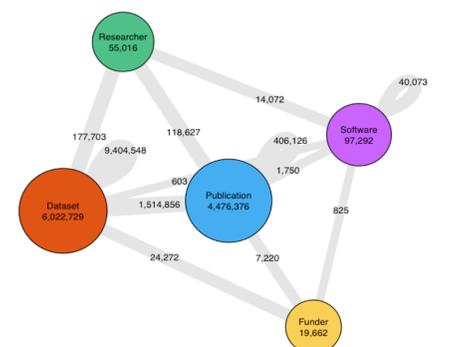
SERVICES & COMMUNITY

COLLABORATION



OPEN SCIENCE GRAPHS

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



DATA METRICS & CITATIONS

