

Why Cite Data?

Data is a primary and vital output of the research process.

There is a growing need, if not a mandate, to reference data in the same routine way as a researcher provides a bibliographic reference to a journal article or book.

Investing in data citation initiatives, such as DataCite and tools like EZID, is one of the ways the University of Michigan Library supports university researchers with their research and data lifecycles, particularly through the tasks of discovery and re-use of data, access to data, and archiving and preservation of data.

What is DataCite and EZID?

DataCite

A non-profit, international consortium founded in 2009. It aims to:

Establish easier access to research data on the Internet.

Increase acceptance of research data as legitimate, citable contributions to the scholarly record.

Support data archiving that will permit results to be verified and re-purposed for future study.

EZID (easy eye-dee)

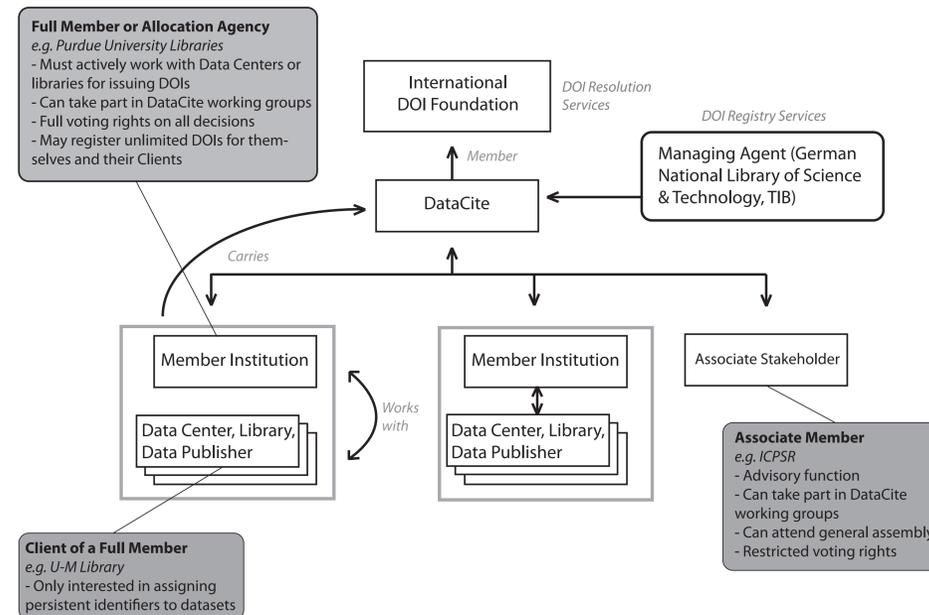
Persistent identifier service based out of the California Digital Library. It can:

Create DataCite identifiers for anything: texts, data, bones, terms, etc.

Store citation metadata for identifiers in a variety of formats.

Update current URL locations so citation links are never broken.

DataCite Structure & Membership.



Adapted from: Farquar, A. Introduction to DataCite (June 2010) datacite.org/slides/DataCite2010_Farquar.ppt & How to become a DataCite Member, Retrieved February 15, 2013 from DataCite <http://datacite.org/Membership>

Data Citation at U-M.

The University of Michigan Library is undertaking an initiative to support data citation by researchers across the university community. The library has chosen to use DataCite to enable the registration of and access to data created by U-M researchers.

By assigning a dataset identifier and enabling dataset discovery, the library provides university researchers with valuable short and long-term benefits of data citation, leading to greater research productivity and discovery.

Using DataCite at U-M.

User Workflow Example

Dr. Jane Smith is an environmental sciences researcher at U-M. She has an NSF grant. Dr. Smith wants to deposit one of her datasets from this grant in the U-M institutional repository service, Deep Blue, and get an identifier for it so she can easily share this data with other researchers in her field.

She follows the protocol for depositing her dataset into Deep Blue. Staff at Deep Blue check the metadata, create an identifier, and submit a Registration Request to DataCite. Then, DataCite registers the digital object identifier (DOI) and associated metadata.

The researcher will then see the citation displayed as:

Smith, Jane (2013). Dataset: Chemical composition of sediments from Io751 site. Deep Blue. <http://dx.doi.org/10.5897/D3JQ8ST8G>

This DOI can be shared with others to quickly and persistently find and cite Dr. Smith's dataset.

More Information.

Read the U-M Library DataCite Task Force report in Deep Blue: <http://hdl.handle.net/2027.42/100249>

Questions?

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