

BRIDGES AND FAIR DATA

MONASH UNIVERSITY LIBRARY
researchdata@monash.edu

The **FAIR** principles were developed to aid the discovery and reuse of research data, which in turn increases the exposure and engagement with research. **Bridges** is an easy and effective way to make your data FAIR - Findable, Accessible, Interoperable, Reusable.

FINDABLE : It should be possible for others to discover your data. Rich descriptive information (metadata) should be available online in a searchable resource, and the data should be assigned a persistent identifier.

- Every published item in *Bridges* is discoverable through Google search engine, Google Scholar, Google Dataset, and indexed in a number of community and national search engines.
- *Bridges* has a set of standard metadata fields (Title, Author, Description, etc.) that enables you to record rich information about your data.
- Every item published in *Bridges* is automatically assigned a Digital Object Identifier (DOI) which is a persistent identifier for your data. The DOI is found under the 'Cite' button on the published record.

ACCESSIBLE : It should be possible for humans and machines to gain access to your data, under specific conditions or restrictions where appropriate. FAIR does not mean that data needs to be open. There should be metadata, even if the data is not accessible.

- All published data in *Bridges* is openly available without needing to create an account to view and/or download.
- Data can also be uploaded under an embargo or confidential option, but the metadata is still accessible.
- Data is accessible via Figshare's API or OAI-PMH.

INTEROPERABLE : Data and metadata should conform to recognised formats and standards to allow them to be combined and exchanged.

- Data can be pushed into and pulled out of *Bridges* by using APIs.
- Data in *Bridges* is documented using the Australian Field of Research Codes.

REUSABLE : Clear documentation is needed to support data interpretation and reuse. The data should conform to community norms and be clearly licensed so others know what kinds of reuse are permitted.

- All records published in *Bridges* are assigned a license documenting the author's requirements for reuse. The data can be as open as possible and as closed as necessary.
- Completing the metadata fields thoroughly ensures your data is documented for reuse. Include information about how, why and by whom the data has been created and processed.