

Increasing Your Research's Exposure on Figshare Using the FAIR Data Principles

The FAIR principles were published in 2016 in a Scientific Data article titled 'FAIR Guiding Principles for Scientific Data Management and Stewardship'. These were developed to aid in the discovery and reuse of research data.

FAIR stands for:

Findable, Accessible, Interoperable, and Reusable. Data that meet these principles are more optimal for reuse and discoverability and in turn increase your research's exposure.

* <https://www.nature.com/articles/sdata201618>

○ Findable ○

- Every item on Figshare is assigned a Digital Object Identifier (DOI), which is a persistent identifier for your data.
- Every item on Figshare is marked up for Google Scholar, Google Dataset Search and indexed in a number of community and national search engines.
- Figshare has a set of standard metadata fields (Title, Author, Description, etc.) but your institution also has the ability to set custom metadata fields to enhance the documentation around your data.



Here's how your data is more FAIR when it's on Figshare

○ Accessible ○

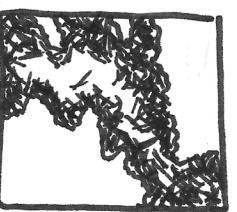
- All data on Figshare are openly available without needing to create an account to view and/or download.
- Items can also be uploaded under an embargo or confidentially but the metadata is accessible.
- Data is accessible via Figshare's API or OAI-PMH.



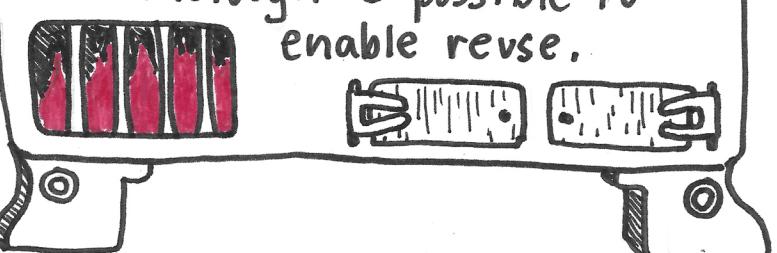
Case Study

Sus Hi-Wat: Monthly maps of snow cover

https://figshare.com/articles/_/5845449

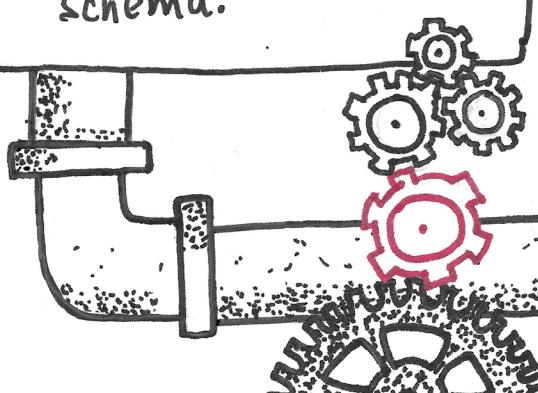


- This item has thorough metadata.
- UK Data Service recommended reusable format.
- Boris Snapir, the author of the datasets, found it easy to upload to Figshare. The time cost was primarily in preparing and assembling the data so it was as thorough as possible to enable reuse.



○ Interoperable ○

- Data can be pushed into and pulled out of Figshare using the API.
- Data on Figshare are documented using the Fields of Research metadata schema, a popular and well-known schema.



○ Reusable ○

- All data uploaded publicly to Figshare are assigned a license documenting the author's requirements for reuse. The data can be as open as possible and as closed as necessary.
- Standard and custom metadata fields ensure your data are as thoroughly documented for reuse as possible. Your institution may also have a review mechanism in place to ensure your metadata is documented as thoroughly as possible.



Case Study: Plant Illustrations

https://figshare.com/authors/Plant_Illustrations/3773596

- The project initially consisted of four authors: Erin Sparks, Frédéric Bové, Larry York, and Guillaume Lobet.
- It has now grown to an additional 14 collaborators because they made the illustrations publicly available.
- They have a thorough README document alongside the illustrations that includes instructions on how to submit illustrations to the collection.
- So far, they have seven collections consisting of 197 items. These items have received over 17,142 views on Figshare.

