



FAIRSpectra

Metadata and Data Encoding, Promoting Open Research

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A community-led project to develop metadata and file format standards for spectroscopy and spectrometry

Open Research

There is now a growing requirement for data acquired on projects supported by national funding programmes to be shared openly. This includes organisations such as UKRI, ERC, Horizon, NIH, NSF, Wellcome, DFG etc.

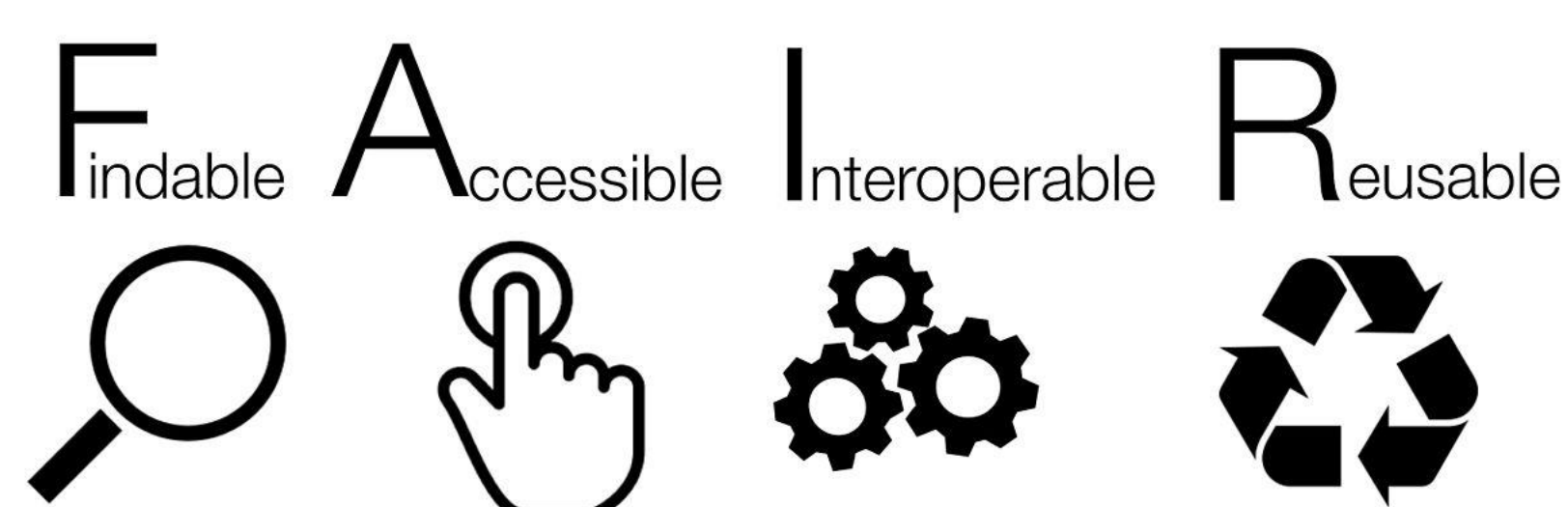
Sharing data requires that the files must be readable by others and can be understood in terms of their content.

What is FAIR?

The **FAIR Guiding Principles** describe things to consider when making scholarly data available: <https://www.go-fair.org/>. These are broken down into four interrelated topics: Data and metadata should be **Findable, Accessible, Interoperable, and Reusable**.

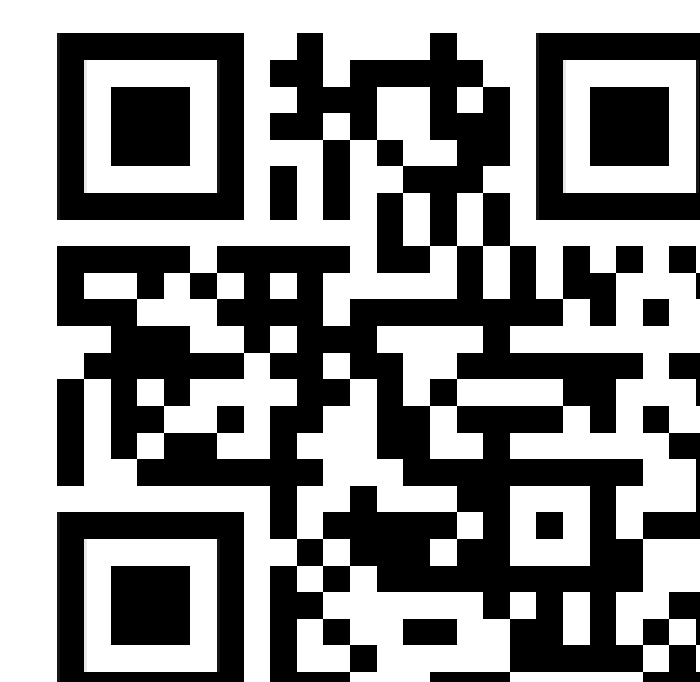
Findability and Accessibility relate to identifiers such as a DOI, and appropriate licencing terms. Interoperability and Reusability recommend that data are stored in a manner that is readable by all, and that information about the data (the metadata) is described in enough detail to **be understood by both humans and machines**.

FAIRSpectra aim to tackle issues with interoperability and reusability. This has been broken down into two areas of activity: open file formats and metadata vocabulary.



Get involved!

*This is a community project, and we need **your input** to ensure **your needs** are met. **No experience is necessary, only enthusiasm** for helping to develop a better future for our research.*



Visit <http://fairspectra.net>