

Data and metadata are **easy to find** by both humans and computers

FINDABLE

- F1** (Meta)data are assigned a globally unique and persistent identifier.
- F2** Data are described with rich metadata.
- F3** Metadata clearly and explicitly include the identifier of the data they describe.
- F4** (Meta)data are registered or indexed in a searchable resource.

DESCRIBE

Describe provenance, usage, and organization of data with standardized **metadata** ^[2].
 Make metadata available **even if** data is not.

Both humans and computers can **readily access** or download datasets

ACCESSIBLE

- A1** (Meta)data are retrievable by their identifier using a standardized communication protocol:
 - A1.1** the protocol is open, free and universally implementable;
 - A1.2** the protocol allows for an authentication and authorization procedure where necessary.
- A2** Metadata are accessible, even when the data are no longer available.

OPEN

Open up your data using standardized **licenses** ^[3]. **Limitations** may apply (ex. data protection, commercial datasets, and double-use technology).

Data from different datasets are **prepared to be combined** or exchanged

INTEROPERABLE

- I1** (Meta)data use a formal, accessible, shared and broadly applicable language for knowledge representation.
- I2** (Meta)data use vocabularies that follow FAIR principles.
- I3** (Meta)data include qualified references to other (meta)data.

LINK

Use persistent **identifiers** (ex. DOI, HANDL, URN) to **cross-link** datasets. Publish files in **open formats**, even alongside proprietary formats.

Published data can be **easily combined/replicated** in future research

REUSABLE

- R1** (Meta)data are richly described with a plurality of accurate and relevant attributes:
 - R1.1** (meta)data are released with a clear and accessible data usage license;
 - R1.2** (meta)data are associated with detailed provenance;
 - R1.3** (meta)data meet domain-relevant community standards.

PUBLISH

Deposit datasets in data **repositories**, favoring services with user-friendly **interfaces**. Make sure to choose a **FAIR-compliant** data repository, also for the relative code.

MY FAIR DATA?

Check the FAIRness of your dataset with this [self-assessment test](#) ^[4]



FAIR ≠ Open

- ✓ FAIR ensures data can be found, understood and reused
- ✓ Data can be shared under restrictions & still be FAIR: **"As open as possible, as restricted as necessary"**

Karel Luyben,
 president of the EOSC ^[5]

WHERE TO PUBLISH DATA?

To find the appropriate repository for your FAIR data, check the [Data platforms dissemination table](#) ^[6] on the EPFL Library pages



Want to dig more? Check re3data.org & fairsharing.org



Credits and sources

- [1] go-fair.org/fair-principles
- [2] go.epfl.ch/rdm-fastguide05
- [3] go.epfl.ch/rdm-fastguide12
- [4] arcd.edu.au/resources/aboutdata/fair-data/fair-self-assessment-tool
- [5] doi.org/10.5281/zenodo.6807345
- [6] go.epfl.ch/datarepo