

The new Quality Seal for FAIR and Open Data

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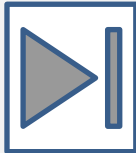
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Help/ Readme

This is an interactive presentation with links within the document and to external web sites:

- Links within the document are written in bold and underlined letters, e.g. **Motivation**
- This is an example for an external web site: [open license](#)
- This symbol links to the first slide: 
- Link to the last slide: 



Motivation

- Many data publications in Earth System sciences nowadays have a DataCite DOI.
- However, only few can be easily found and/or reused.
- Frequently, data producer are either unaware of **FAIR principles** or don't know how to comply with them.
- Only few data repositories check the quality and the FAIRness of the (meta)data.

**EASYDAB facilitates data reusability by
highlighting
quality controlled, FAIR and open data.**



Advantages of data publication with EASYDAB



Data producer show that data comply with discipline-specific standards.



Repositories indicate that archived data have been curated.



Data user easily identify data that are reusable, open and interoperable because of data curation.

EASYDAB datasets will stand out from others, making them more attractive to download, use and cite.

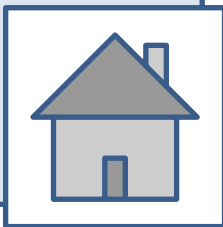


How does EASYDAB work?

- EASYDAB is a quality seal
- Its use is bound to certain guidelines
- **The logo is registered and only useable by repositories with a contract.**

The logo is displayed

- on landing pages of datasets with a DataCite DOI,
- if (meta)data are quality controlled and are according to the [EASYDAB guideline](#).



Quality Guidelines

Quality controls must be carried out according to a certified quality guideline, which must comply with the requirements of the [EASYDAB guideline](#).

The [ATMODAT Standard](#) is the first accepted EASYDAB quality guideline. It is

- easy to implement and
- provides checklists for data curators and data producers.

A dataset that complies with this standard will follow the FAIR principles and its metadata will be of high quality.

The compliance of the metadata with the ATMODAT Standard can be tested with the [atmodat data checker](#).

For more information about the standard come to our [EGU poster](#)



Thank you!

Questions?

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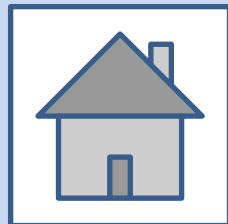
Additional Informations:

<https://www.easydab.de>

<https://www.atmodat.de>

[Our ATMODAT poster at EGU](#)

We thank the Federal Ministry of Education and Research (BMBF) for funding the ATMODAT project (FKZ: 16QK02A-D)



Open data

Datasets should be published as open as possible. Therefore, they have

- an [open license](#), preferably machine-readable, which is available in English.
- only an embargo, if it is limited in time.
- [open and non-proprietary file formats](#), if possible. If proprietary file formats are used, there must be [open software](#) to read and fully convert the files so that the data can also be processed with non-proprietary software.



FAIR = **F**indable, **A**ccessible, Interoperable, Reusable

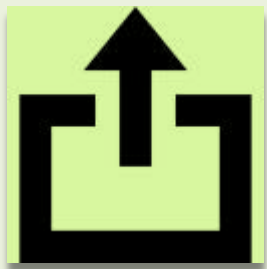


Findable:

F1. (meta)data are assigned a globally unique and persistent identifier

F2. data are described with rich metadata (defined by R1 below)

F3. metadata clearly and explicitly include the identifier of the data it describes



Accessible:

A1. (meta)data are retrievable by their identifier using a standardized communications protocol

A1.1 the protocol is open, free, and universally implementable

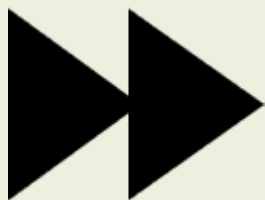
A1.2 the protocol allows for an authentication and authorization procedure, where necessary

A2. metadata are accessible, even when the data are no longer available

Interoperable and Reusable → next slide

FAIR = Findable, Accessible, **Interoperable**, Reusable

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

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

For further explanations see [Wilkinson et al. \(2016\)](#).

