EUDAT & THE FAIR DATA PRINCIPLES

"Everybody wants to play FAIR, but how do we put the principles into practice?"

EUDAT's vision is data shared and preserved across borders and disciplines and its mission is to enable data stewardship within and between European research communities through the EUDAT Collaborative Data Infrastructure. In 2014 the FAIR guiding principles for individual datasets were formulated by a group of different stakeholders.

These research data principles are widely used now by all possible stakeholders in research data management and are part of the European Commission's data management plans. EUDAT's suite of data management services supports researchers and research communities to ensure their data is FAIR compliant.

Findable
Assign persistent IDs, provide rich metadata, register in a searchable resource...

Interoperable
Use formal, broadly applicable languages, use standard vocabularies, qualified references...

Accessible
Retrievable by their ID using a standard protocol, metadata remain accessible even if data aren't...
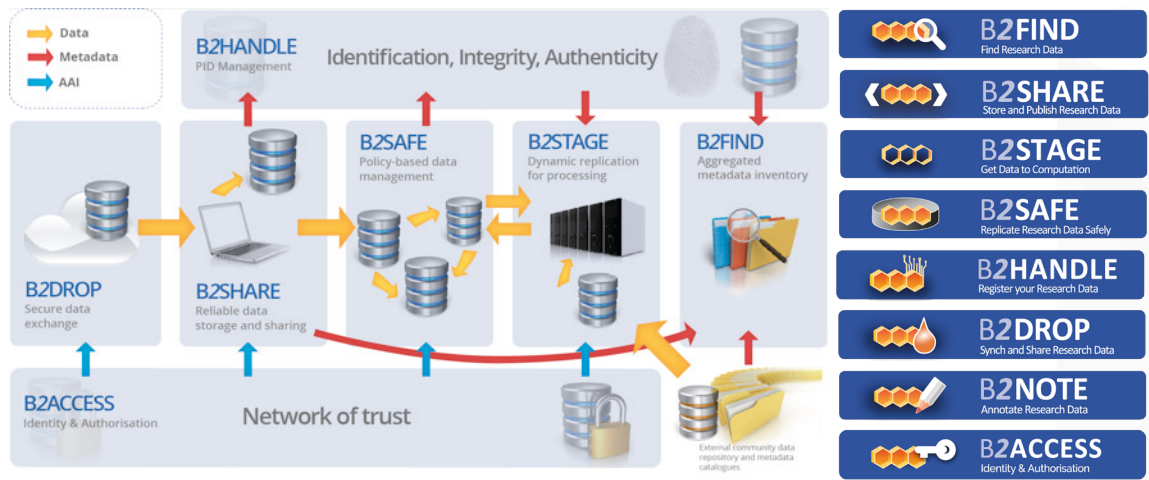
Reusable
Rich, accurate metadata, clear licences, provenance, use of community standards...

https://www.force11.org/fairprinciples

What is the EUDAT Service offer?

B2FIND	Find Research Data
B2SHARE	Store and Publish Research Data
B2STAGE	Get Data to Computation
B2SAFE	Replicate Research Data Safely
B2HANDLE	Register your Research Data
B2DROP	Synch and Share Research Data
B2NOTE	Annotate Research Data
B2ACCESS	Identity & Authorisation

For more information on EUDAT and the suite of research data management services, see
www.eudat.eu/services-support

www.eudat.eu

At EUDAT we are working to make our services FAIR

EUDAT & FINDABLE

- **B2FIND**: multi-disciplinary metadata catalogue
- **B2HANDLE**: policy-based prefix & PID management
- **B2SHARE**: research data repository
- **B2SAFE**: policy-driven data management

EUDAT & ACCESSIBLE

- **B2STAGE**: data staging service
- **B2SHARE**: research data repository
- **B2SAFE**: policy-driven data management
- **B2NOTE**: research data annotation

EUDAT & INTEROPERABLE

- **B2HANDLE:** policy-based prefix & PID management
- **B2STAGE:** data staging service
- **B2SHARE:** research data repository
- **B2SAFE:** policy-driven data management
- **B2FIND:** multi-disciplinary metadata catalogue

EUDAT & REUSABLE

- **B2SHARE:** research data repository
- **B2SAFE:** policy-driven data management
- **B2NOTE:** research data annotation

DATA SEAL OF APPROVAL & EUDAT:
THE MAKING OF A TRUSTWORTHY INFRASTRUCTURE

Findable
Accessible
Interoperable
Reusable

The DSA, the Data Seal of Approval, contains criteria for the quality of trustworthy digital repositories and is a lightweight form of certification of those repositories. Recently, the DSA and World Data System (WDS) certification of ICSU, two independent certification systems, joined forces.
On November 25th 2016 the WDS and the DSA Boards announced the availability of their unified and now "common" requirements. This involves some changes.

However, the DSA remains a basic certification standard for "Trustworthy Digital Repositories", based on a self-assessment of these guidelines by the repository itself that is peer-reviewed by external reviewers. Instead of 16 guidelines there are now 16 requirements to assess the trustworthiness of a repository.

The FAIR principles are remarkably similar to the underlying principles of DSA.

Do you want to know more about FAIR Data in Trustworthy Data Repositories? The EUDAT-OpenAIRE-DANS joint webinar recordings and presentations are available here
www.eudat.eu/events/webinar/fair-data-in-trustworthy-data-repositories-webinar

www.eudat.eu