

THE B2 SERVICE SUITE

EUDAT offers a complete set of research data services, expertise and technology solutions to all European scientists and researchers.

These shared services and storage resources are distributed across 15 European countries.

Data is safely stored alongside some of Europe's most powerful supercomputers.

Sync and Exchange Research Data



B2DROP

Sync and Exchange Research Data

B2DROP is a **secure and trusted** data exchange service for researchers and scientists to keep their research data **synchronized** and up-to-date and to exchange with other researchers.

AN IDEAL SOLUTION FOR ALL TO:

- ◆ Store and exchange data with colleagues and team members, including research data not finalized for publishing
- ◆ share data with fine-grained access controls
- ◆ synchronize multiple versions of data across different devices



<https://b2drop.eudat.eu>



B2SHARE

Store and Share Research Data

Store and Share Research Data

B2SHARE is a **user-friendly, reliable** and **trustworthy** way for researchers, scientific communities and citizen scientists to **store** and **share** small-scale research data from diverse contexts.

A WINNING SOLUTION TO:

- ◆ **store data safely** at a trusted and certified data centre
- ◆ **preserve data** to guarantee long-term persistence
- ◆ **control access** and share data with your colleagues and the world



B2SHARE features

- ◆ metadata management
- ◆ permanent PIDs
- ◆ Open Access support

<https://b2share.eudat.eu>



B2SAFE

Replicate Research Data Safely

Replicate Research Data Safely

B2SAFE is a **robust, safe and highly available service** which allows community and departmental repositories to **implement data management policies on their research data** across multiple administrative domains in a trustworthy manner.



B2SAFE features

- ◆ large-scale storage
- ◆ robust and highly available
- ◆ permanent PIDs

THE IDEAL SOLUTION FOR COMMUNITIES WITH NO FACILITY FOR ARCHIVAL TO:

- ◆ replicate research data into secure data stores
- ◆ archive and preserve research data in the long-term
- ◆ bring data close to powerful compute resources
- ◆ co-locate data with different communities
- ◆ benefit from economies of scale



<http://eudat.eu/services/bsafe>



B2STAGE

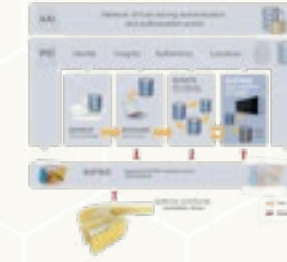
Get Data to Computation

Get Data to Computation

B2STAGE is a **reliable, efficient, light-weight and easy-to-use** service to **transfer research data sets** between EUDAT storage resources and high-performance computing (HPC) workspaces.

FACILITATING ALL COMMUNITIES TO:

- ◆ move large amounts of data between data stores and high-performance compute resources
- ◆ re-ingest computational results back into EUDAT
- ◆ deposit large data sets onto EUDAT resources for long-term preservation



B2STAGE features

- ◆ high-speed transfer
- ◆ reliable and light-weight
- ◆ manages permanent PIDs

<http://eudat.eu/services/b2stage>



B2FIND

Find Research Data

Find Research Data

B2FIND is a simple, user-friendly **metadata catalogue of research data collections** stored in EUDAT data centres and other repositories.



B2FIND features

- ◆ simple to use
- ◆ standards-based
- ◆ comprehensive catalogue

METADATA SERVICE TO:

- ◆ seek data objects and collections using powerful metadata searches
- ◆ catalogue community data by means of your selected metadata
- ◆ browse through multi-disciplinary data collections filtered by content, provenance and temporal keywords



<http://b2find.eudat.eu>

ABOUT EUDAT

Research communities from different disciplines have different ambitions and approaches – particularly with respect to data organization and content but they share one common point: they all have basic data service requirements.

EUDAT offers common data services, supporting multiple research communities as well as individuals, through a geographically distributed, resilient network connecting general purpose data centres and community-specific data repositories. These shared services and storage resources are distributed across 15 European nations and data is stored alongside some of Europe's most powerful supercomputers. EUDAT, a user-driven, service-oriented, trusted, secure and sustainable data

infrastructure offers solutions for finding, sharing, storing, replicating, staging and performing computations with primary and secondary research data. Community-specific data repository managers can join the data infrastructure to archive, replicate, process and catalogue data on behalf of their community. While researchers (from academia and industry), citizen scientists, policy makers, and members of the public can share, discover and re-use data via EUDAT www.eudat.eu



@Eudat_eu



www.eudat.eu



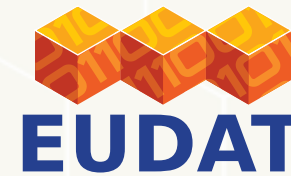
info@eudat.eu

A PAN EUROPEAN CONSORTIUM

a network of collaborating, cooperating centres, combining the richness of numerous community-specific data repositories with the permanence and persistence of some of Europe's largest scientific data centres



EUDAT PARTNERS



Research Data Service, Expertise & Technology Solutions

THE COLLABORATIVE DATA INFRASTRUCTURE B2 SERVICE SUITE

EUDAT's vision is to enable all European researchers and practitioners from any research discipline to preserve, find, access, and process data in a trusted environment.



www.eudat.eu



info@eudat.eu



@Eudat_eu