**THE B2 SERVICE SUITE**

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

**B2DROP**
- A secure and trusted data exchange service for researchers and scientists to store and share research data from diverse sources.
- 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.
- Features: 20 Gb Storage, Living objects, so no PIDs, Versioning and offline use, Desktop Synch.

**B2SHARE**
- 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.
- Features: metadata management, permanent PIDs, Open Access support.

**B2SAFE**
- 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.
- Features: large-scale storage, robust and highly available, permanent PIDs.

**B2STAGE**
- 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.

**B2FIND**
- A simple, user-friendly metadata catalogue of research data collections stored in EUDAT data centres and other repositories.
- Features: simple to use, standards-based, comprehensive catalogue.

**THE 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.

**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.

**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.
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**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.

**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.

**References:**
- https://b2drop.eudat.eu
- https://b2share.eudat.eu
- http://eudat.eu/services/b2stage
- http://eudat.eu/services/b2safe
- http://b2find.eudat.eu
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 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’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.