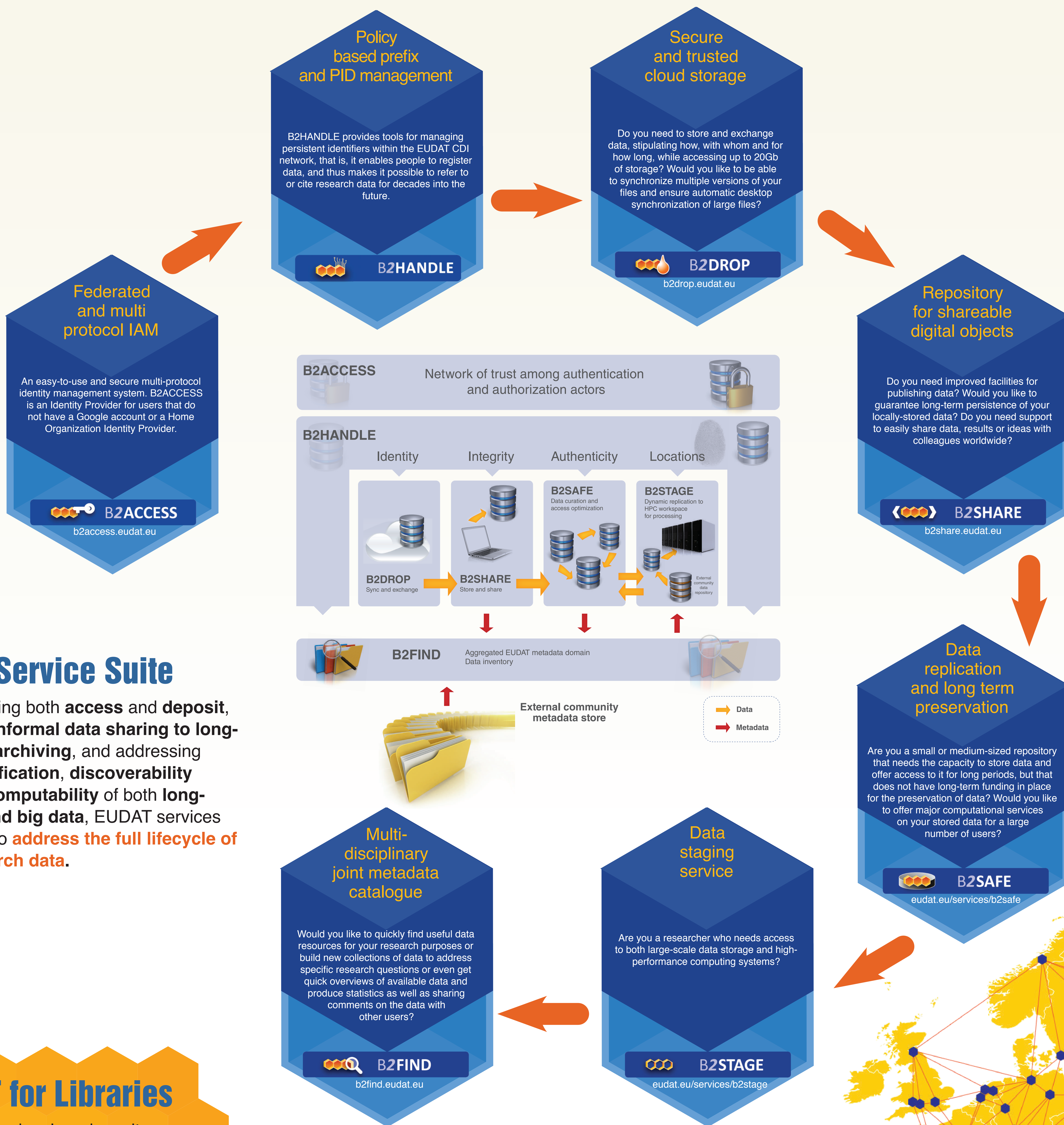# EUDAT

Common data services supporting multiple research communities and individuals

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. EUDAT provides data solutions that would be difficult for research communities to provide on their own thereby **reducing costs and allowing communities to make investments in community specific services and developments**.

Policy based prefix and PID management

B2HANDLE provides tools for managing persistent identifiers within the EUDAT CDI network, that is, it enables people to register data, and thus makes it possible to refer to or cite research data for decades into the future.

B2HANDLE

Secure and trusted cloud storage

Do you need to store and exchange data, stipulating how, with whom and for how long, while accessing up to 20Gb of storage? Would you like to be able to synchronize multiple versions of your files and ensure automatic desktop synchronization of large files?

B2DROP
b2drop.eudat.eu

Federated and multi protocol IAM

An easy-to-use and secure multi-protocol identity management system. B2ACCESS is an Identity Provider for users that do not have a Google account or a Home Organization Identity Provider.

B2ACCESS
b2access.eudat.eu

Repository for shareable digital objects

Do you need improved facilities for publishing data? Would you like to guarantee long-term persistence of your locally-stored data? Do you need support to easily share data, results or ideas with colleagues worldwide?

B2SHARE
b2share.eudat.eu

B2ACCESS — Network of trust among authentication and authorization actors

B2HANDLE

Identity	Integrity	Authenticity	Locations

B2SAFE — Data curation and access optimization

B2STAGE — Dynamic replication to HPC workspace for processing

B2DROP — Sync and exchange

B2SHARE — Store and share

External community data repository

B2FIND — Aggregated EUDAT metadata domain / Data inventory

External community metadata store

→ Data
→ Metadata

B2 Service Suite

Covering both **access** and **deposit**, from **informal data sharing to long-term archiving**, and addressing **identification**, **discoverability** and **computability** of both **long-tail and big data**, EUDAT services seek to **address the full lifecycle of research data**.

Data replication and long term preservation

Are you a small or medium-sized repository that needs the capacity to store data and offer access to it for long periods, but that does not have long-term funding in place for the preservation of data? Would you like to offer major computational services on your stored data for a large number of users?

B2SAFE
eudat.eu/services/b2safe

Multi-disciplinary joint metadata catalogue

Would you like to quickly find useful data resources for your research purposes or build new collections of data to address specific research questions or even get quick overviews of available data and produce statistics as well as sharing comments on the data with other users?

B2FIND
b2find.eudat.eu

Data staging service

Are you a researcher who needs access to both large-scale data storage and high-performance computing systems?

B2STAGE
eudat.eu/services/b2stage

EUDAT for Libraries

EUDAT has developed a suite of research data management services to support data managers and librarians in their daily work and with their ever increasing data management challenges. Libraries can join the data infrastructure to archive, replicate, process and catalogue data on behalf of their users. While researchers, citizen scientists and policy makers can share, discover and re-use data via EUDAT.

EUDAT's shared services and storage resources are **distributed across 15 European nations** with data stored alongside some of **Europe's most powerful supercomputers**.

www.eudat.eu | **@Eudat_eu**