



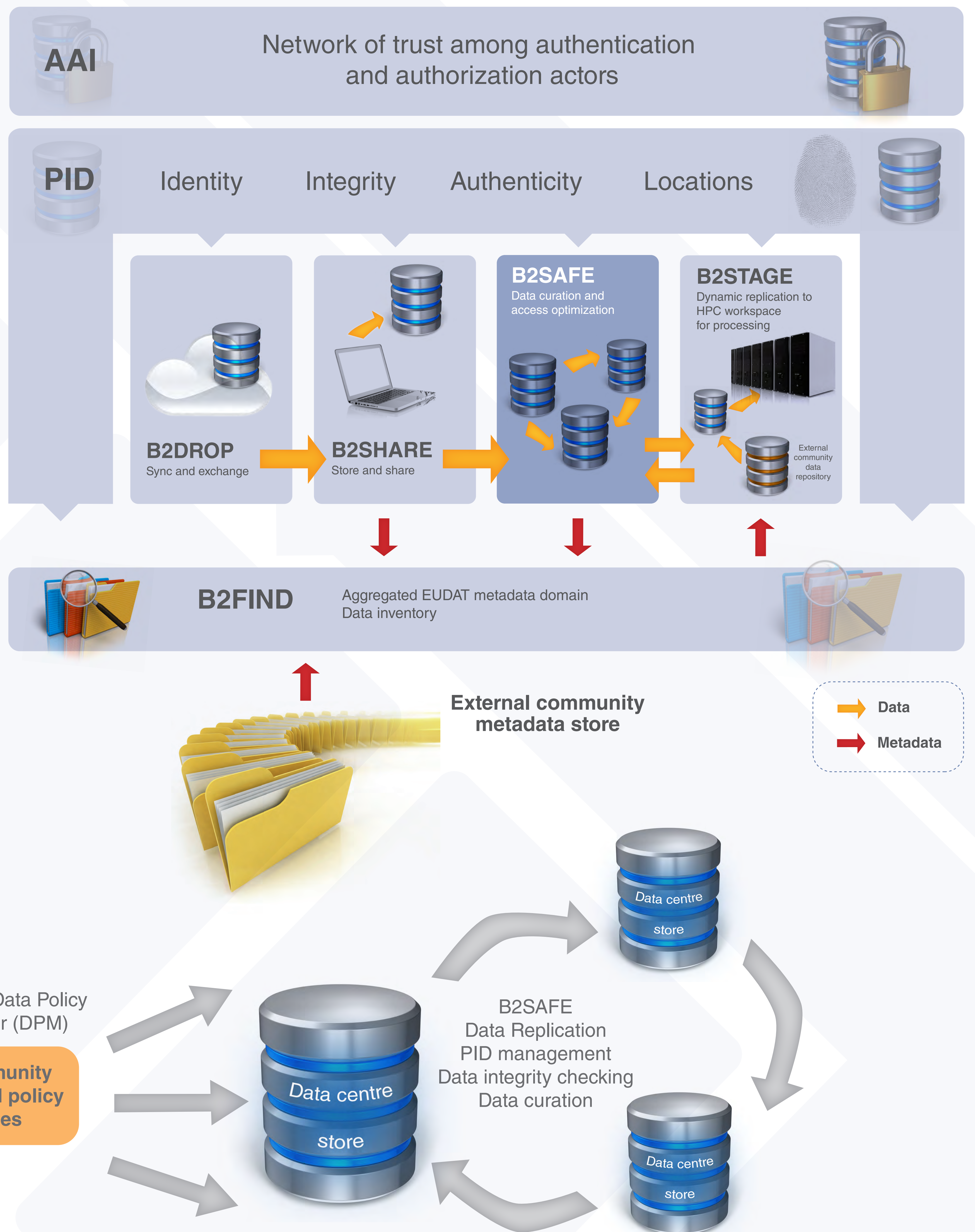
# B2SAFE

## 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.

### A solution to:

-  Provide an **abstraction layer** which **virtualizes large-scale data resources**
-  Guard against data loss in long-term **archiving and preservation**
-  **Optimize access** for users from different regions
-  Bring **data closer to powerful computers** for compute-intensive analysis



## B2SAFE features

- based on the execution of **auditable data policy rules** and the use of **persistent identifiers (PIDs)**
- respects the **rights of the data owners** to define the **access rights for their data** and to decide how and when it is made **publicly referenceable**
- data policies are **centrally managed via a Data Policy Manager**, and the policy rules are implemented and enforced by **site-local rule engines**
- able to **aggregate data from different disciplines** into a storage system of **trustworthy and capable data service providers**
- support for **repository packages** (e.g. DSPACE, FEDORA) and a **lightweight HTTP-based solution**

## Who benefits

- repositories lacking the **capacity and / or funding** to offer **reliable storage and access services** over longer periods of time
- repositories without **adequate compute capacity for data-intensive computational services** based on their data
- **data producers** who need to be sure that **trusted centres are taking care of their data**
- consumers wishing to access **optimized services on data sources of interest to them**
- consumers who wish to apply **interdisciplinary data-intensive methods** using data collected from **various communities**