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Challenges

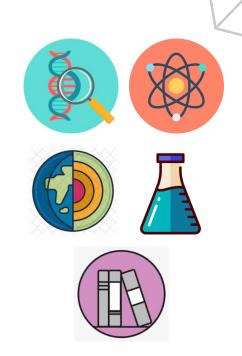


- 1. Research data management is complex (tailored solutions are often needed)
- 2. Research communities are heterogeneously organised (some mature, some just starting)
- Data management and storage services cannot easily be dissociated from computing services (but behave differently)
- 4. Storage services require a specific kind of commitment over a long period (typically >10 years)



EUDAT support to communities

- EUDAT services are designed and implemented to be generic and be used in any scientific domain
 - We currently serve users from 17 different scientific domains
- Services can be used individually or in combination



Different strategies for different usage scenarios



EUDAT support to communities



- For end-users and single researchers
 - Free generic services (i.e. B2DROP, B2SHARE, B2FIND)
 - Use of community services
- For data managers of communities and projects



- Data storage, replication and transfer for computing on B2SAFE
- Sync and share data service with B2DROP
- Registration of prefixes and hosting of PIDs with B2HANDLE
- Community specific metadata and collections in B2SHARE
- Harvesting of community repositories in B2FIND
- For research organisations and research infrastructures
 - Contracted customised services or solutions



NRENs as EUDAT users



- NRENs can make use of services provided by EUDAT providers for their users
 - Besides the central instances, dedicated instances can be created and provided
 - Customers can be the individual universities or NREN as broker
 - Up to June 2023 all service offering (both service configuration and associated resources) is free at the point of use
 - Unique opportunity to test and pilot the services
 - Support to users is provided by EUDAT providers as part of the service offering

1/24/23



NRENs as service providers



- NRENs can become provider of data management services for their national users
 - Deployment of EUDAT services for their users
 - EUDAT can offer support in the set-up of the services
 - Consultancy can be provided to help in understanding which are the best services fitting the NRENs needs

1/24/23