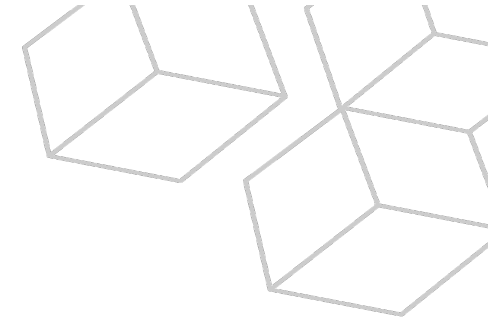




## **EUDAT SERVICES FOR ENVRI-FAIR DATA MANAGEMENT**

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*Antti Pursula | Head of EUDAT Secretariat  
17.11.2022  
EOSC Symposium*

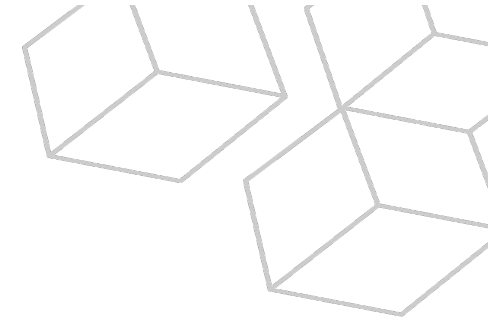


- The EUDAT Collaborative Data Infrastructure (EUDAT CDI) is one the major European e-infrastructure, focusing on **research data management services**
- EUDAT's vision:

**Data is shared and preserved across borders and disciplines**

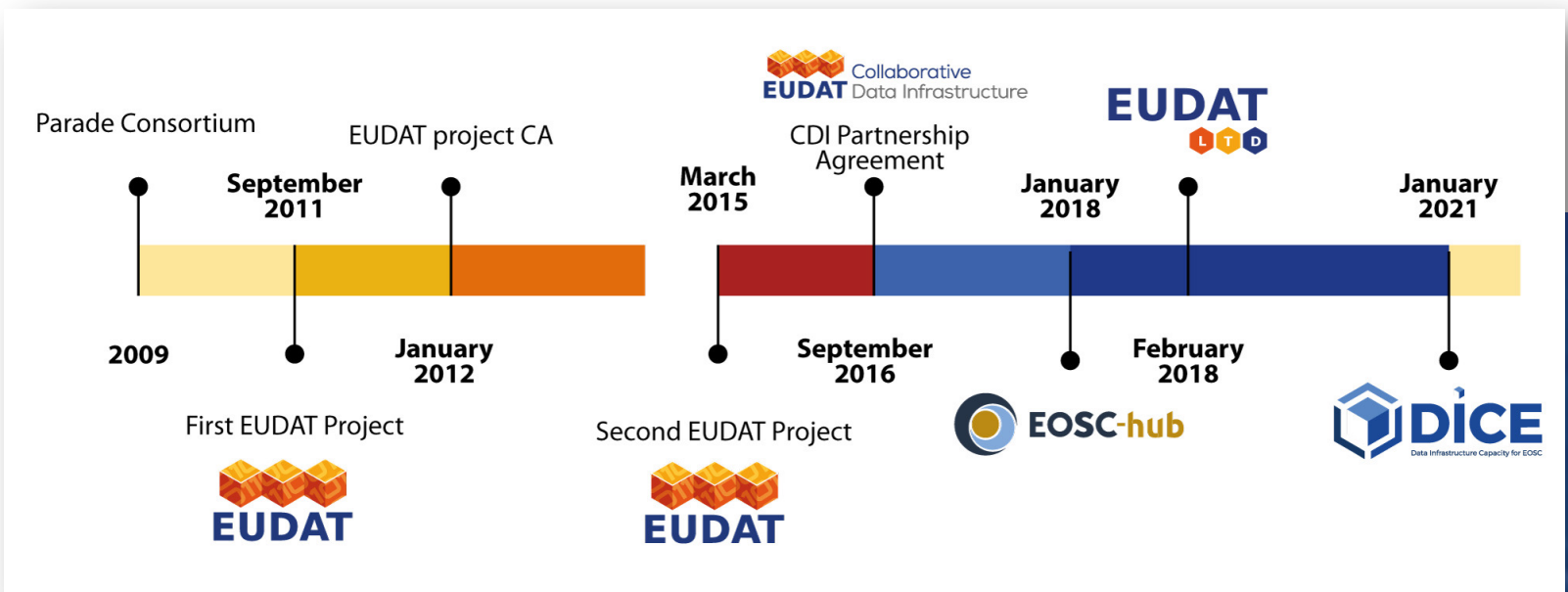
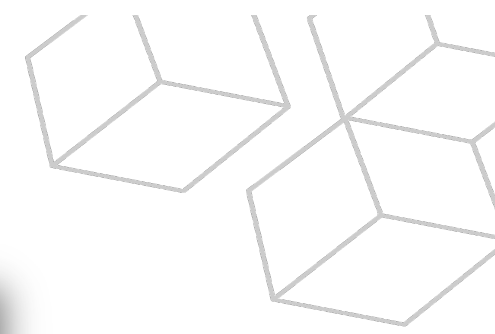
- In line with the vision EUDAT operates a set of interoperable services that support European researchers in different steps of the research data life cycle.

## The EUDAT CDI members



*A network of 27 European data services providers, computing centres, and research organisations from 17 countries*

## History of EUDAT

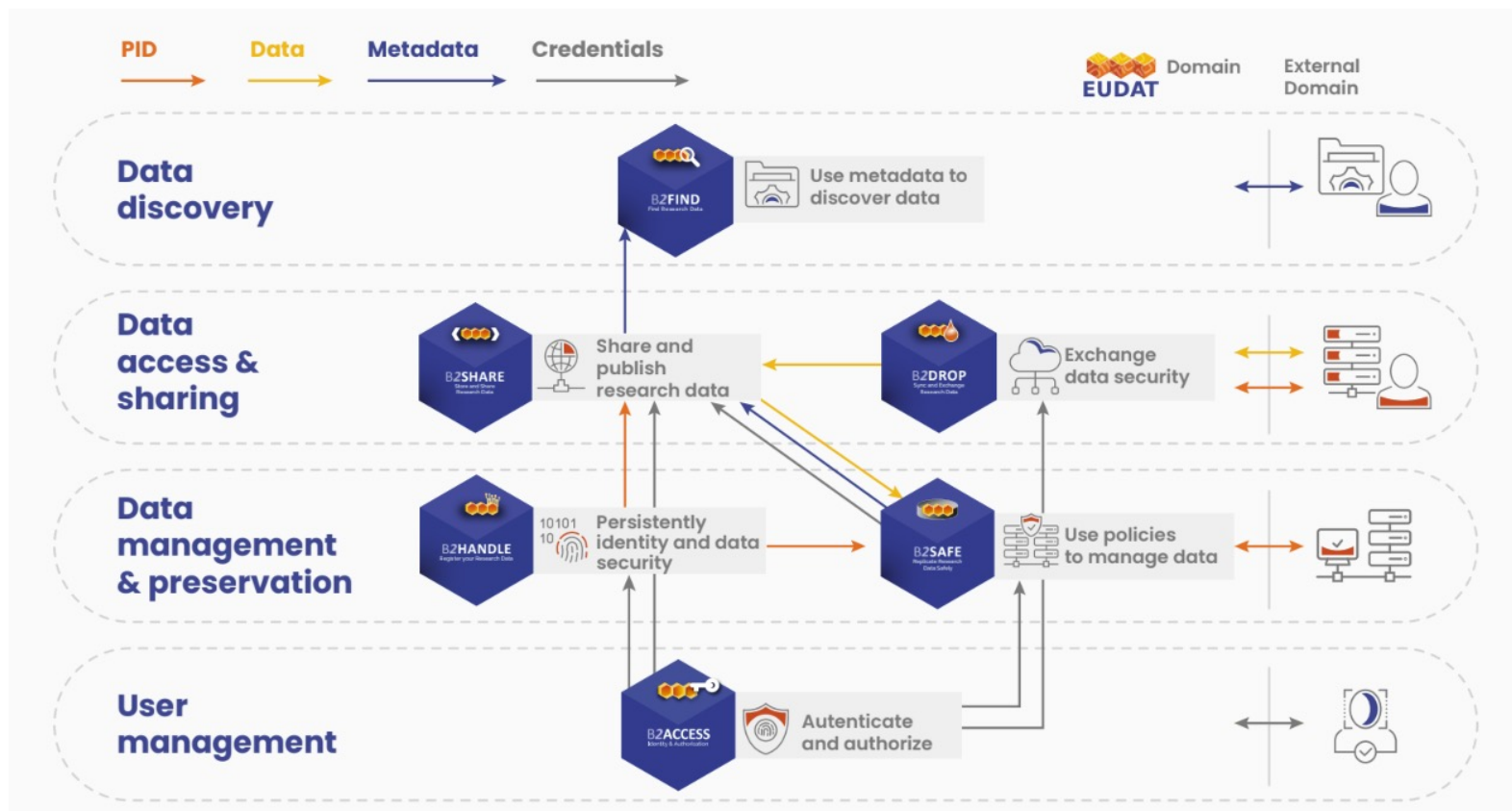
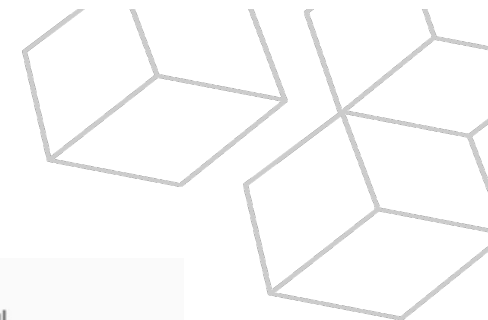


**Riding the wave**  
 How Europe can gain from the rising tide of scientific data

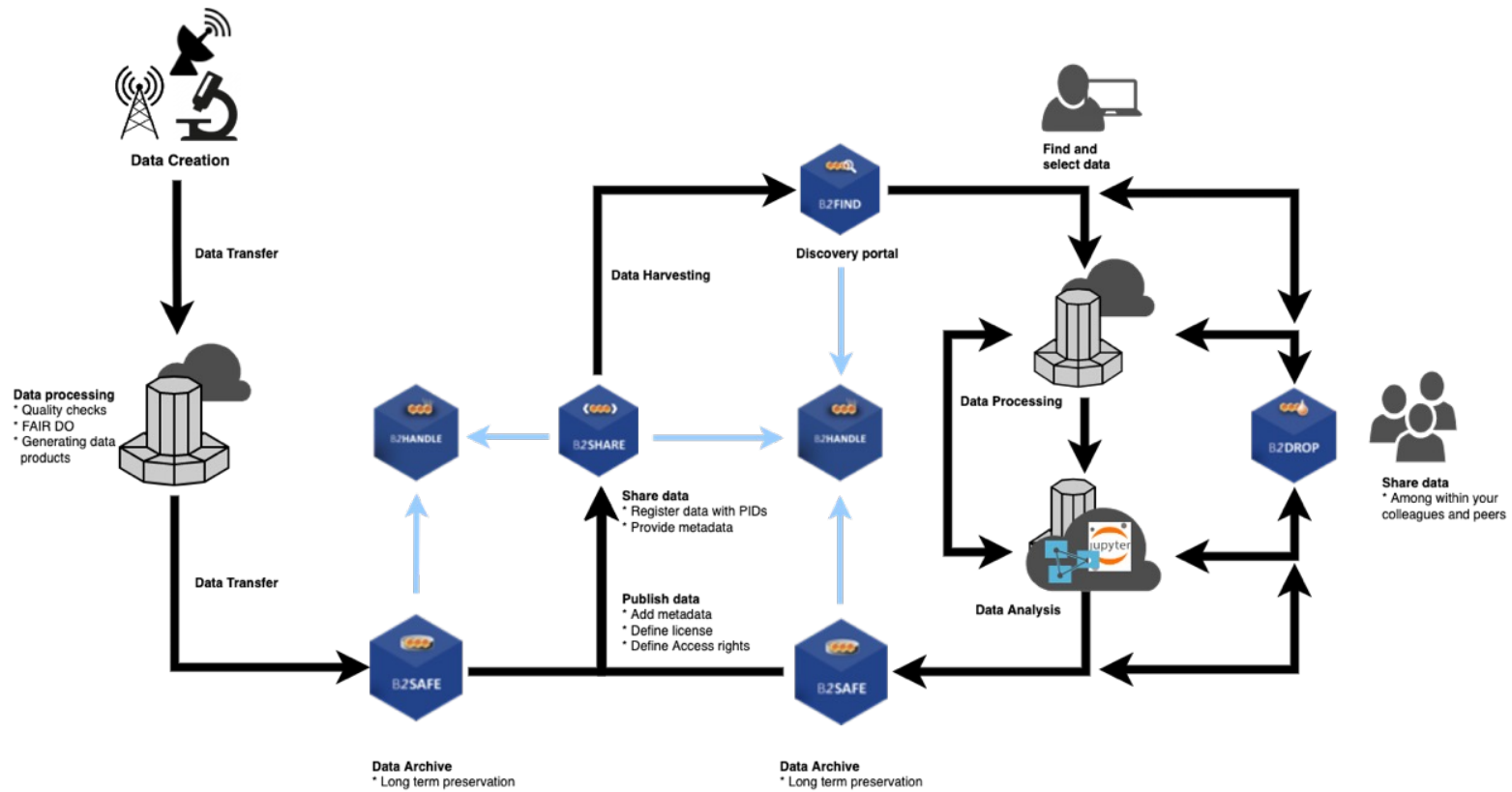
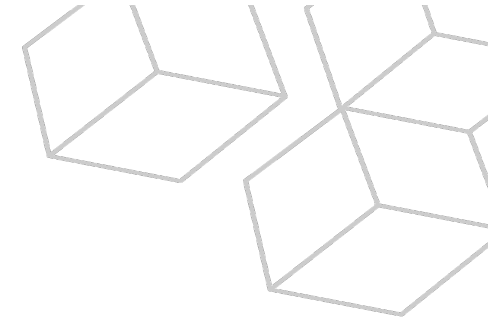
Final report of the High Level Expert Group on Scientific Data  
 A submission to the European Commission  
 October 2010



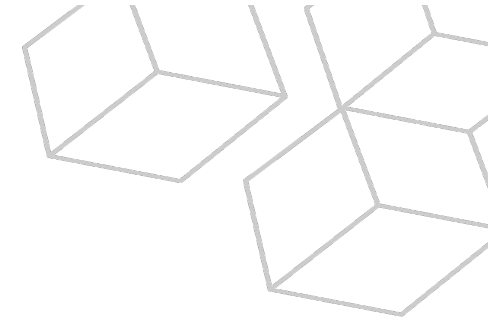
# The EUDAT Service Suite



# Research Data Life Cycle

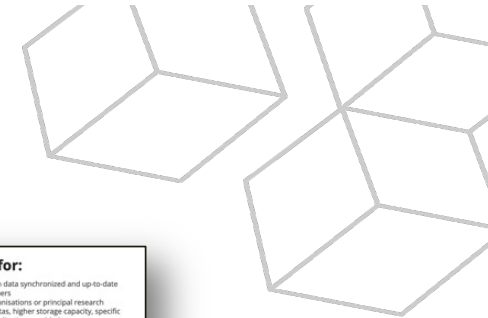



## EUDAT Service Catalogue



The screenshot displays the EUDAT Service Catalogue website. At the top, there is a navigation bar with the EUDAT logo and the text 'Collaborative Data Infrastructure' and 'Data shared and preserved across borders and disciplines'. The main header area features the title 'EUDAT Service catalogue' and a breadcrumb trail 'Home > EUDAT Service catalogue'. Below this, six service cards are arranged in a 2x3 grid. Each card consists of a blue hexagonal icon with a specific symbol, the service name in bold, a brief description, and a 'View service' button.

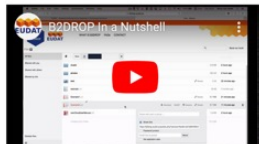
Service Name	Description
<b>B2ACCESS</b>	Identity & authorisation
<b>B2DROP</b>	Sync and share research data
<b>B2FIND</b>	Find research data, research data portal
<b>B2HANDLE</b>	Register your research data with a persistent identifier
<b>B2SAFE</b>	Keep research data safe via data management policies
<b>B2SHARE</b>	Store and publish research data





**B2DROP**  
Sync and share research data

Request B2DROP and receive a custom setup!



B2DROP in a Nutshell

### What is B2DROP


B2DROP is a low-barrier, user-friendly and trustworthy storage environment which allows users to synchronise their active data across different desktops and to easily share this data with peers. EUDAT offers a free public basic instance for any researcher. For communities and organisations a premium service is offered on the public instance. Communities and organisations can also request customised instances.

**Features**


- ☑ Default quota of 20GBs (Basic), high quotas optional (Premium)
- ☑ Access via Web GUI, desktop clients and Webdav
- ☑ Multiple versions of files are kept
- ☑ Enabled apps: Contacts, Calendar, Tasks, Circles (social communities)
- ☑ Sharing within B2DROP, across different instances (via OCM-API) and via links
- ☑ Publishing of datasets to B2SHARE
- ☑ Integration with CLARIN Language Resource Switchboard (Basic)
- ☑ Integration with other community services optional (Premium)
- ☑ Group management (Premium)
- ☑ OnlyOffice (Premium)

Get brochure


Download the factsheet now!




Community & collaborative networks, B2SHARE integration for FAIR data sharing, Activity tracking, monitoring and sharing of files, Quick filters for finding files and folders, Sidebar for search navigability through files, Checkboxes for multiple operations, Buttons: recently deleted files, Control who can access files, share to users or groups.



Communities



Organisations



Researchers

**B2DROP is perfect for:**

- ☑ Researchers that need their research data synchronized and up-to-date and to exchange with other researchers
- ☑ Data managers of communities, organisations or principal research investigators which need higher quotas, higher storage capacity, specific requirements and/or (nextcloud) applications enabled
- ☑ Communities and/or organisations with specific requirements which can not be supported via the public fair-share service or need a higher level of security or access control

Get started

Need more information?

Contact us and get in touch with one of our representatives

**Resource offers**

**For Researchers - Basic**

The public 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. B2DROP is an ideal solution to store and share data with colleagues and team members, synchronise multiple versions of data, ensure automatic desktop synchronisation of large files. Features: Basic service, Self registering, Quota 20GB, Web access, Sharing files with local users, Sharing files across other B2DROP and overCloud/Nextcloud instances, Desktop synchronisation, Support for WebDAV mounts, Publish data to B2SHARE. Ideal for: Researchers seeking a central place to store and share research data.

Select an offer

**For Data Managers**

The public B2DROP service has a per user quota limit of 20GB. Communities, organisations or IRs which have a need for higher quotas, higher storage capacity, specific requirements and/or (nextcloud) applications enabled can submit support request. Depending on the requirements and/or requested storage capacity the B2DROP service is offered as a paid service. Features: Public service, Self registering, Higher quotas as default, Web access, Sharing files with local users, Sharing files across other B2DROP and overCloud/Nextcloud instances, Desktop synchronisation, Support for WebDAV mounts, Publish data to B2SHARE. Ideal for: Data managers with higher quota, storage and/or any specific requirements.

Select an offer

**For Communities And Organisations**

The public B2DROP service is provided on a fair-share basis. Communities and/or organisations with specific requirements which can not be supported via the public fair-share service or need higher level of security or access control can request consultancy in setting up and deploying a local B2DROP instance or can request a B2DROP instance which is hosted at one of the EUDAT partners. Features: dedicated B2DROP instance, Requirements are negotiable. Ideal for: Community/organisational data managers.

Select an offer

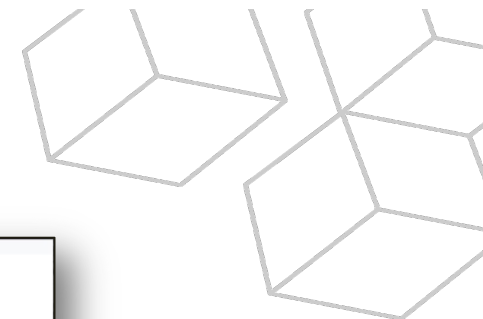
**For Researchers - Premium**

The basic B2DROP service has a per user quota limit of 20GB. Researchers which have a need for higher quotas, higher storage capacity, specific requirements and/or (nextcloud) applications enabled can request this via the B2DROP Premium service.

Select an offer



# EUDAT services in EOSC marketplace



<https://marketplace.eosc-portal.eu/providers/eudat?q=EUDAT>

<https://marketplace.eosc-portal.eu/services?providers=2>

## Use case of ICOS RI



- Safe storage of ICOS data at B2SAFE

- Replication and staging to computing



- Publication of datasets resulting from data analysis



# Summary



**Consortium: 24 Partners**  
**Coordinator: CINECA**



**Grant Agreement: 101017207**  
**Call: INFRAEOSC-07-2020**



**30 months**  
*(1 Jan 2021 – 30 Jun 2023)*



**Enable a European storage and data management infrastructure for EOSC**  
**Provide generic services to store, find, access, and process data in a consistent and persistent way**



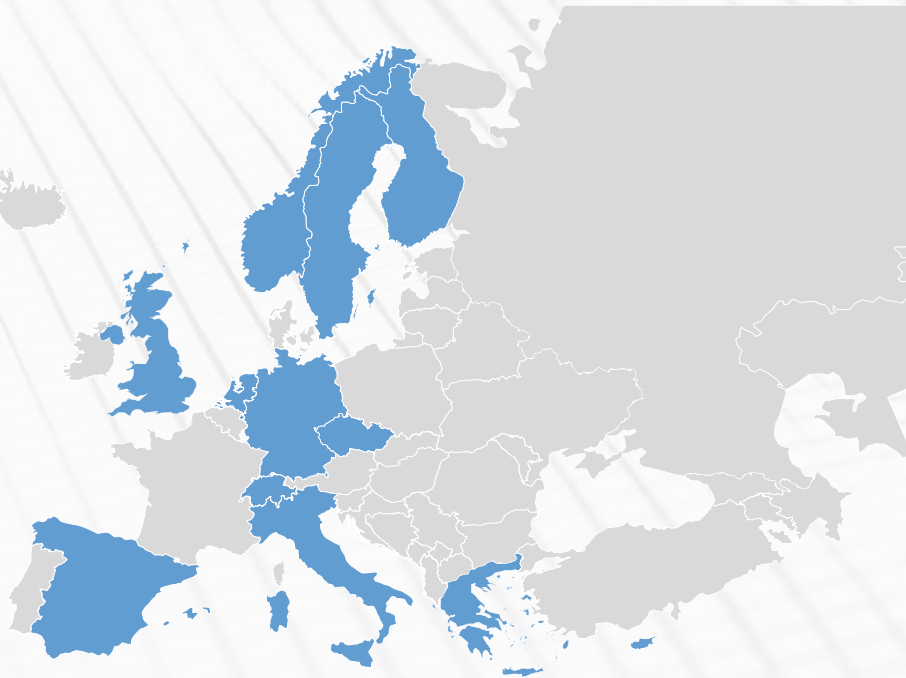
**Budget: € 6.997.706,66**



**18 providers from 11 European countries are offering 14 state-of-the-art data management services together with more than 50 PB of storage capacity**



# Consortium



## Service providers



## Users' communities

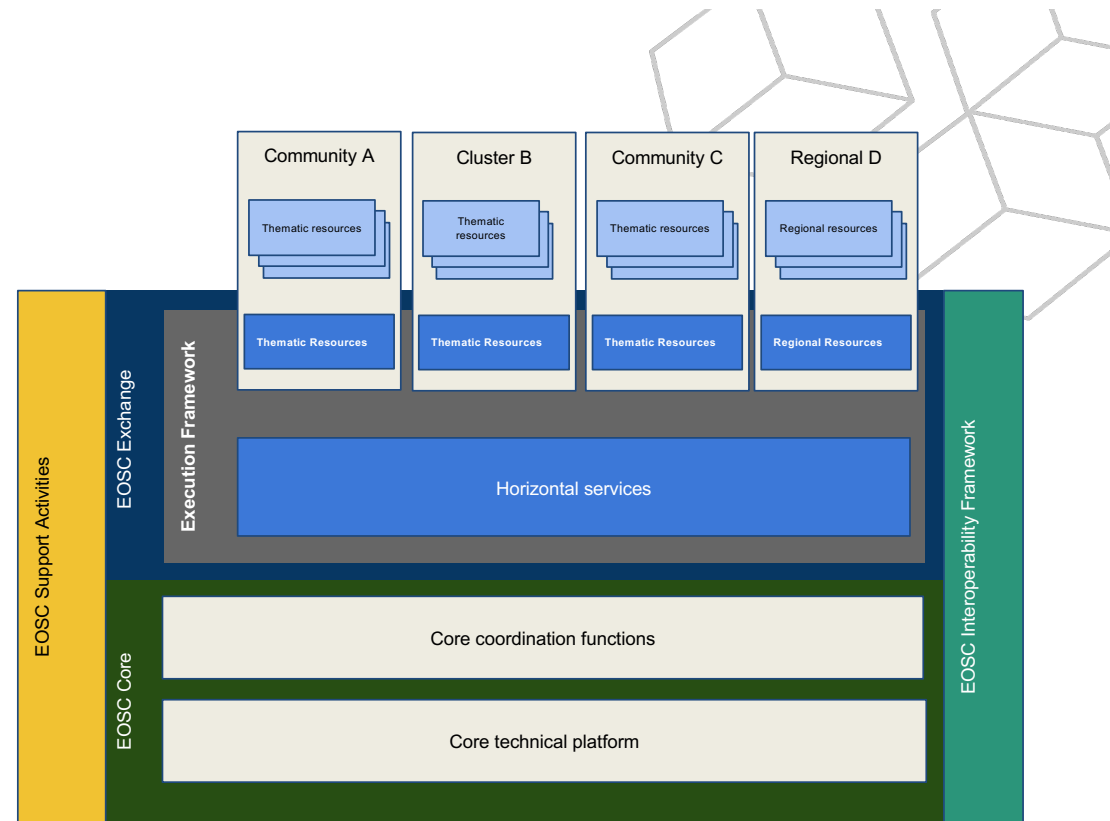


## Outreach & sustainability



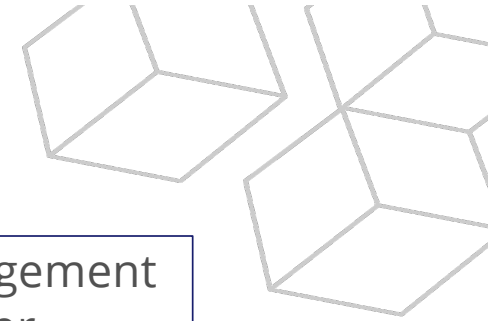


- The EUDAT CDI supports the vision of the EOSC in offering open and seamless services for storage, management, analysis and re-use of research data, across borders and scientific disciplines.
- EUDAT provides Horizontal services

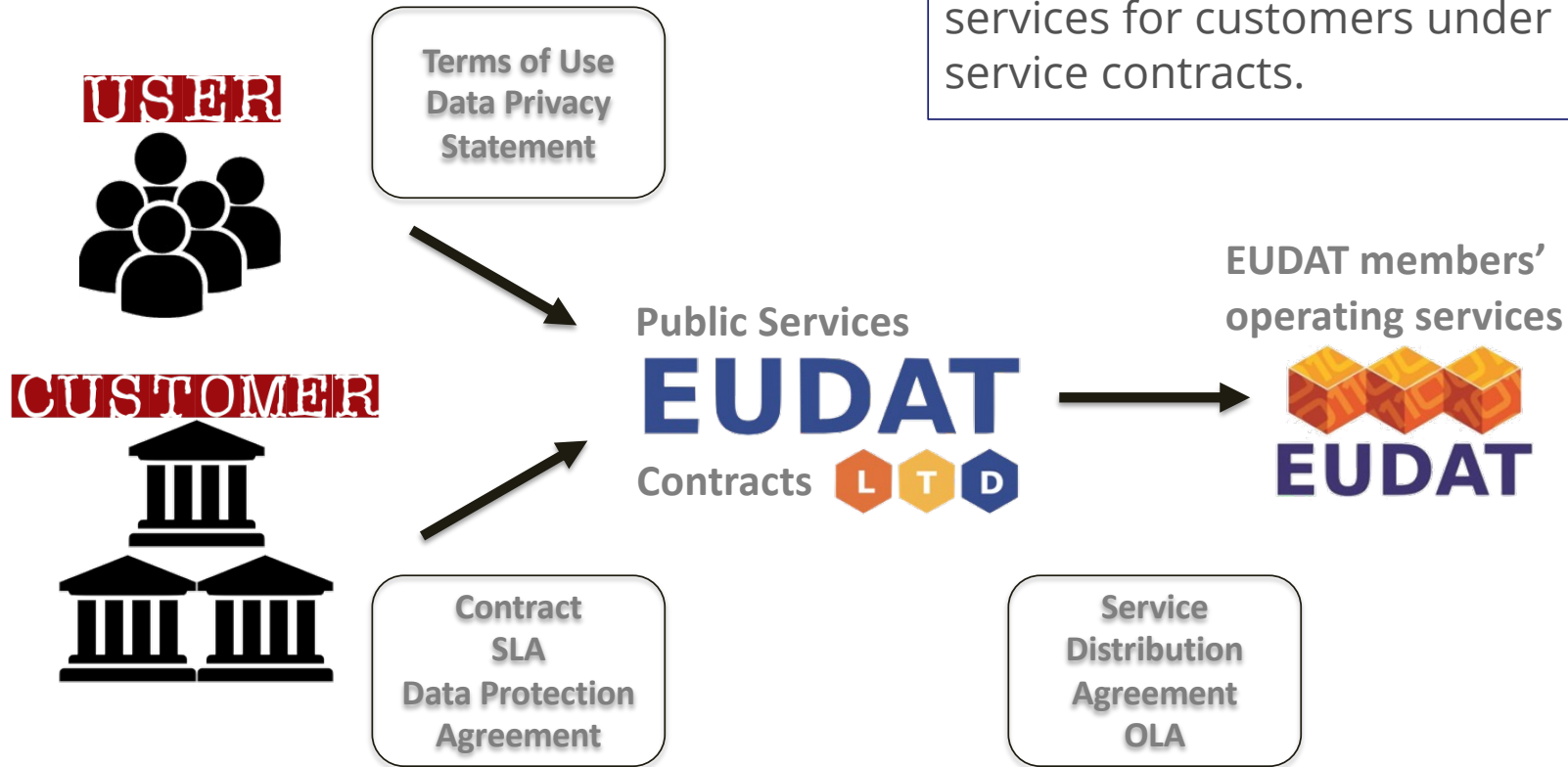


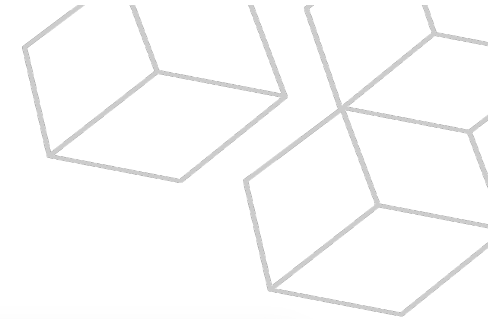
**EUROPEAN OPEN SCIENCE CLOUD**

## EUDAT service agreements structure



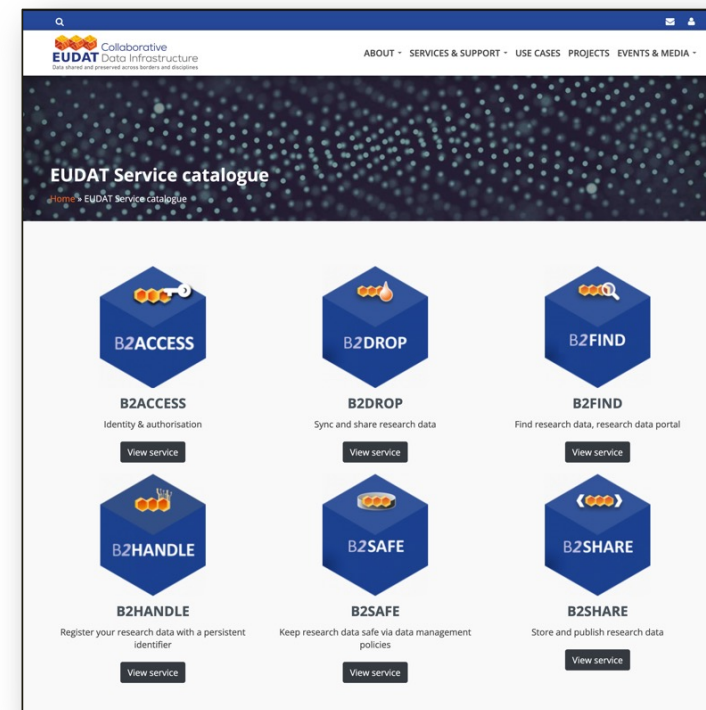
EUDAT provides data management services for customers under service contracts.





## Summary

1. EUDAT CDI is sustained and operational e-infrastructure
2. EUDAT provides a service suite that enables FAIR data
3. EUDAT services are part of EOSC Exchange
4. Services can be used standalone, bundled or combined with external platforms
5. Ongoing DICE project facilitates service usage free at the point of use
6. EUDAT offers service contracts for professional data services





**THANK YOU**

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*Antti Pursula | Head of EUDAT Secretariat  
antti.pursula@csc.fi*