



EUDAT position to EOSC

EOSC Symposium 2022 - EOSC ecosystem sessions - Use cases demonstrating the added value of EOSC

**Themis Zamani
GRNET , EUDAT, DICE**



The DICE project has received funding from the European Union's Horizon 2020 project call H2020-INFRAEOSC-2018-2020 under Grant Agreement no. 101017207

DICE in a nutshell



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

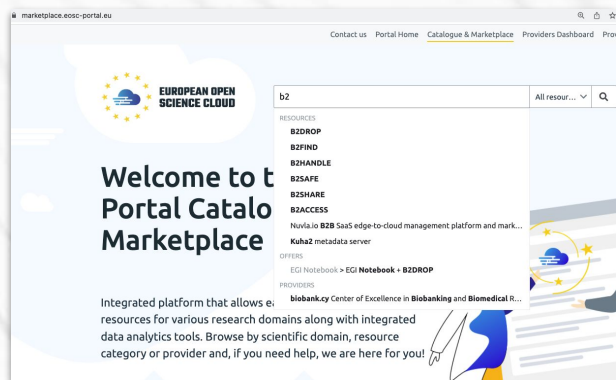


Budget: € 6.997.706,66

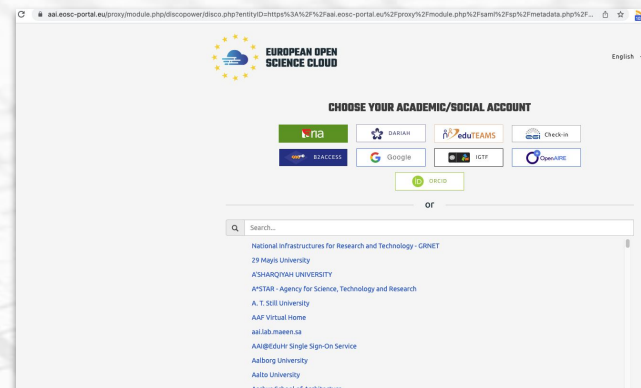


18 providers from 11 European countries are offering 14 state-of-the-art data management services together with more than 50 PB of storage capacity

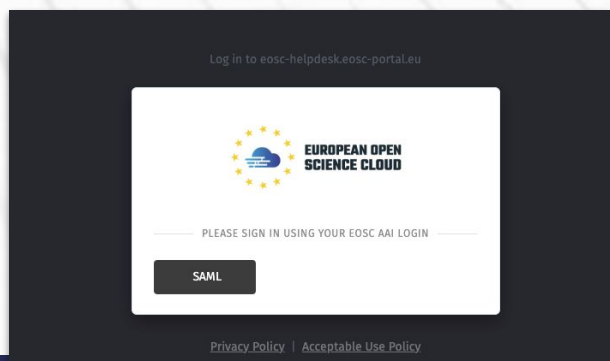
EUDAT in EOSC



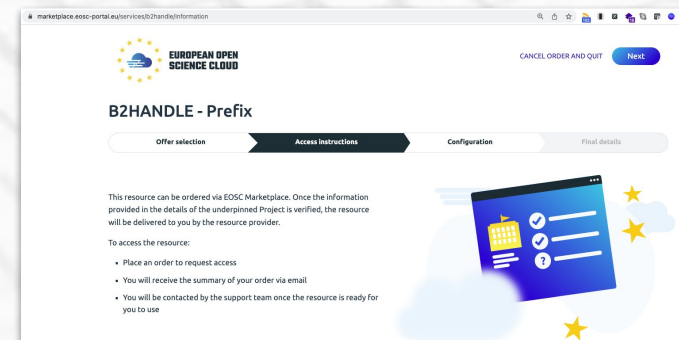
Have you visited the Marketplace ?



Did you try to log in?



Do you have a question about B2 Services?



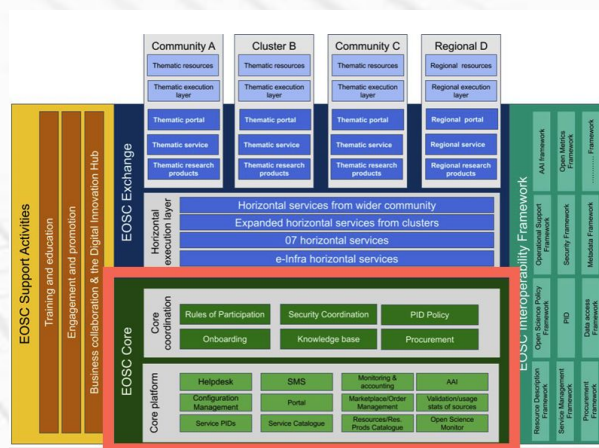
Have you tried to make an order ?

before we start

is an environment for hosting and processing research data to support EU science

EOSC-Core

A set of services providing the means to discover, share, access and re-use data and services.



EOSC-Interoperability Framework

A generic framework that can be used by all the entities participating in the development and deployment of EOSC, providing a common understanding of the requirements

EOSC-Exchange

A set of services complementing the EOSC-Core that store and exploit FAIR data encouraging its reuse.



AAI

Resource Catalogue

Helpdesk

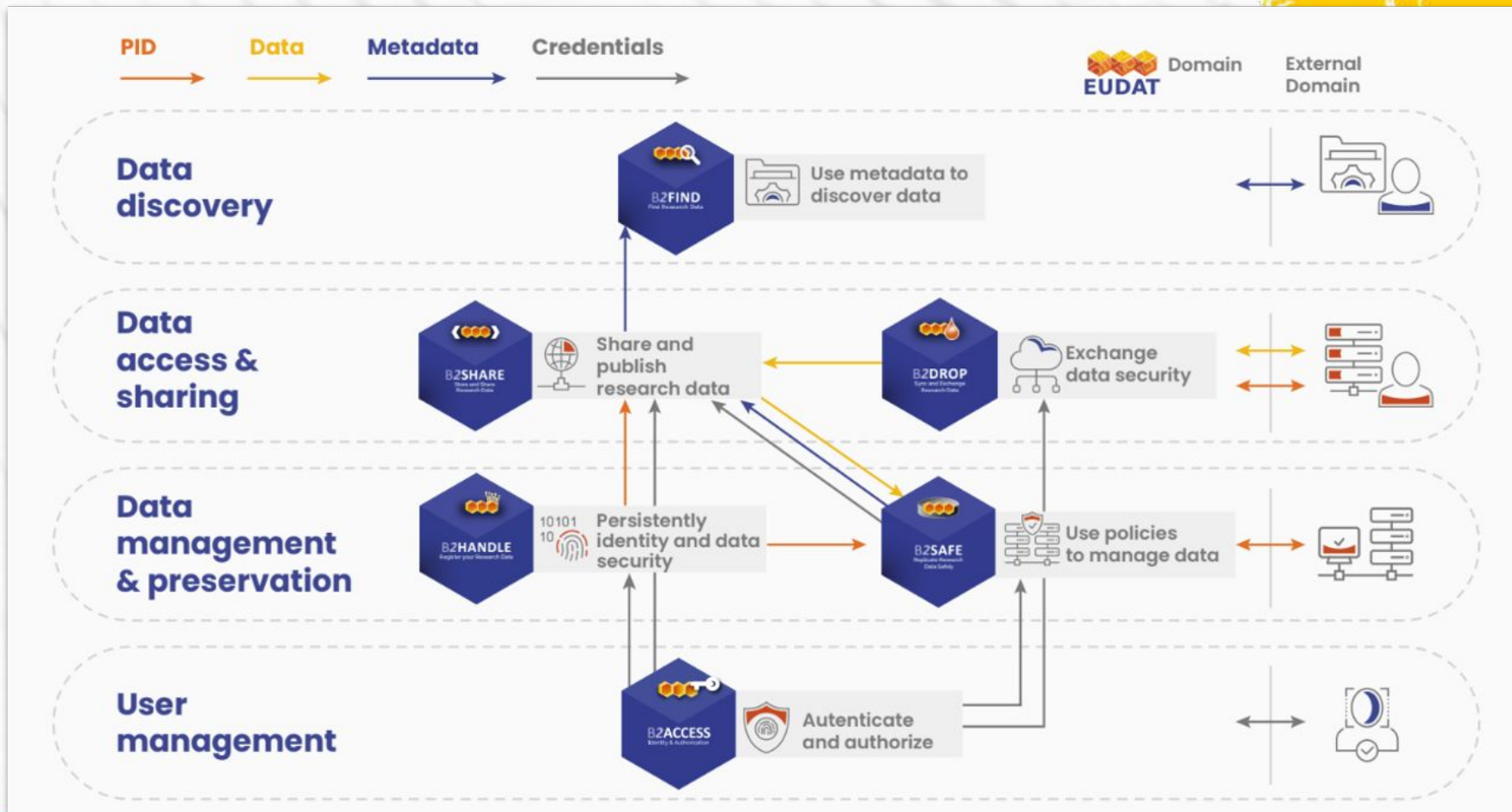
Monitoring

Accounting

Order Management


A set of services providing the means to discover, share, access and re-use data and services.


EUDAT is offering to research communities and researchers a set of integrated services for data management. The EUDAT services address needs at different stages of research data lifecycle









EUDAT CDI Operational & Collaboration Tools


Operational







DICE Service 

-  **DPMT**
Registering the corresponding Provider & the service details
-  **Monitoring**
Collecting monitoring metric data.
-  **Accounting**
Receiving accounting data from the service.
-  **SPMT**
Describing the resource & the provider for EOSC Portal.
-  **Helpdesk**
Connect with the EUDAT Helpdesk to support the users.
-  **B2ACCESS**
Connect with B2ACCES to enable users authentication and authorisation.


Collaboration



-  **AMS**
A messaging Service for all
-  **GITLAB**
Support full software development cycle
-  **SVMON**
Version monitoring
-  **Mattermost**
Platform for communication, collaboration, workflow orchestration across tools & teams

EUDAT CDI Operational & Collaboration Tools

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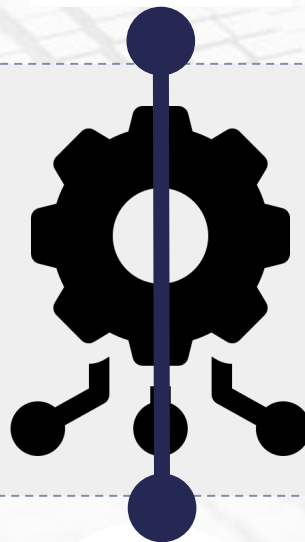
Colla



AMS



Our Integration Path to EOSC



Service for all

software cycle

itoring



Mattermost

Platform for communication, collaboration, workflow orchestration across tools & teams

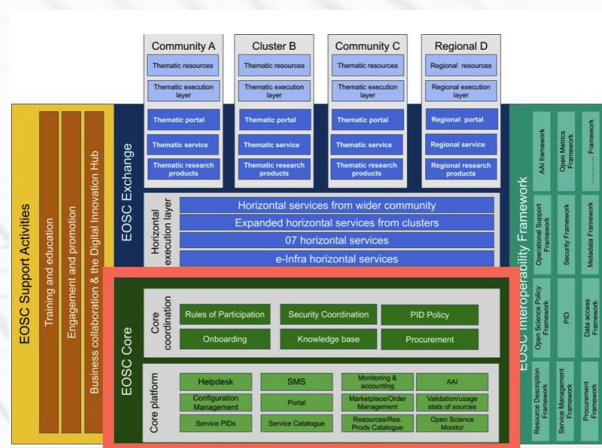
our position, what we did

EOSC-Core

A set of services providing the means to discover, share, access and re-use data and services.

INTEGRATED

FOLLOWED THE REQUIREMENTS



EOSC-Interoperability Framework

A generic framework that can be used by all the entities participating in the development and deployment of EOSC, providing a common understanding of the requirements

EOSC-Exchange

A set of services complementing the EOSC-Core that store and exploit FAIR data encouraging its reuse.

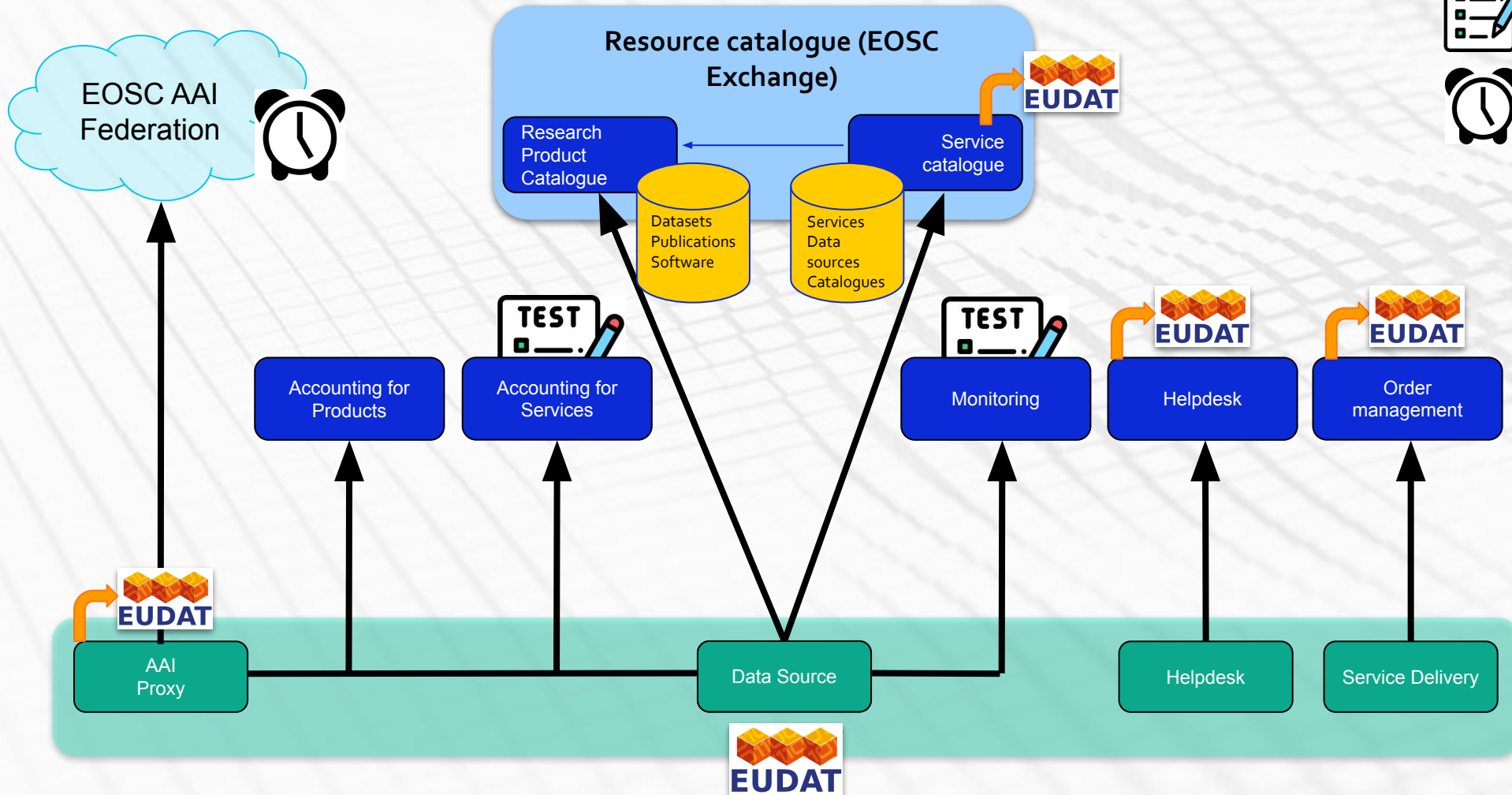
PART OF EXCHANGE

EUDAT in EOSC

 Integrated

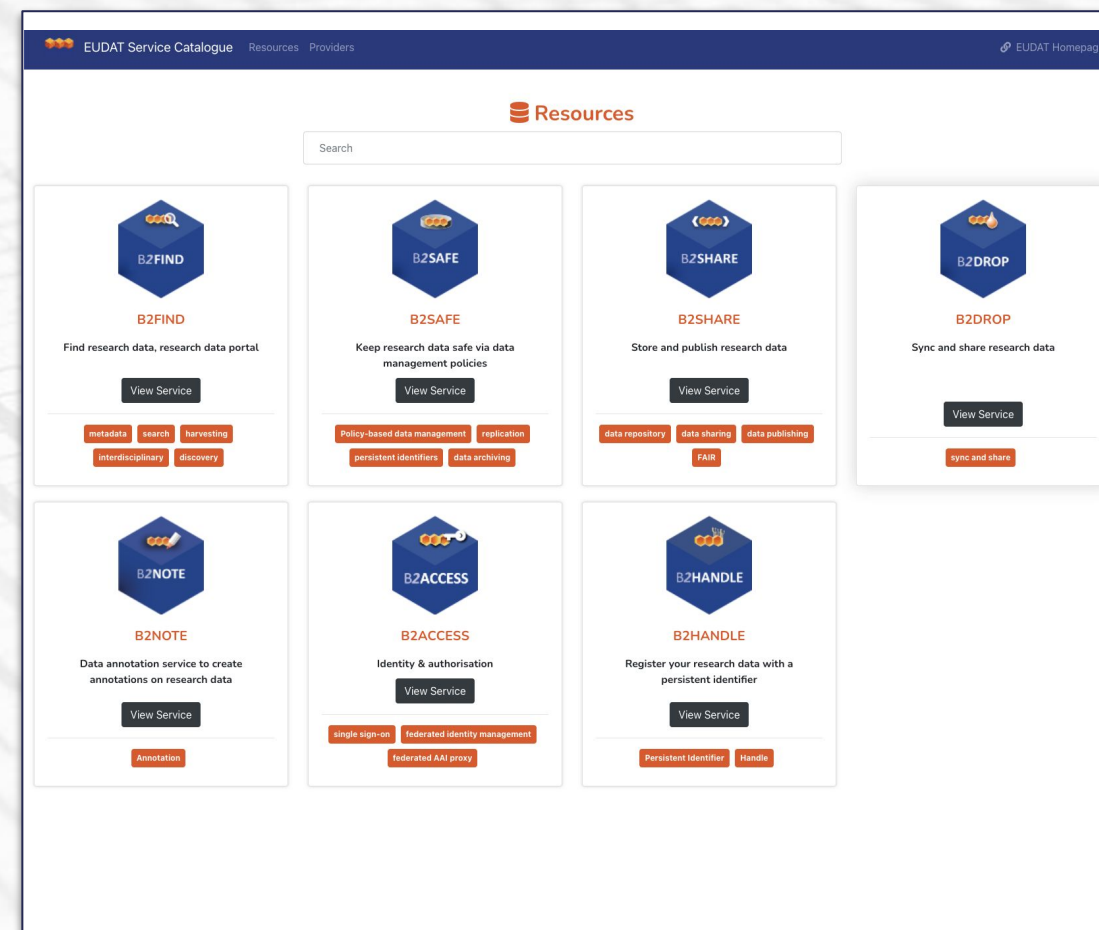
 Testing

 Waiting



The Service Portfolio Management Tool (AGORA) is a tool aimed at facilitating service management in IT service provision, It represents a complete list of the services managed by a service provider. Its main features are:

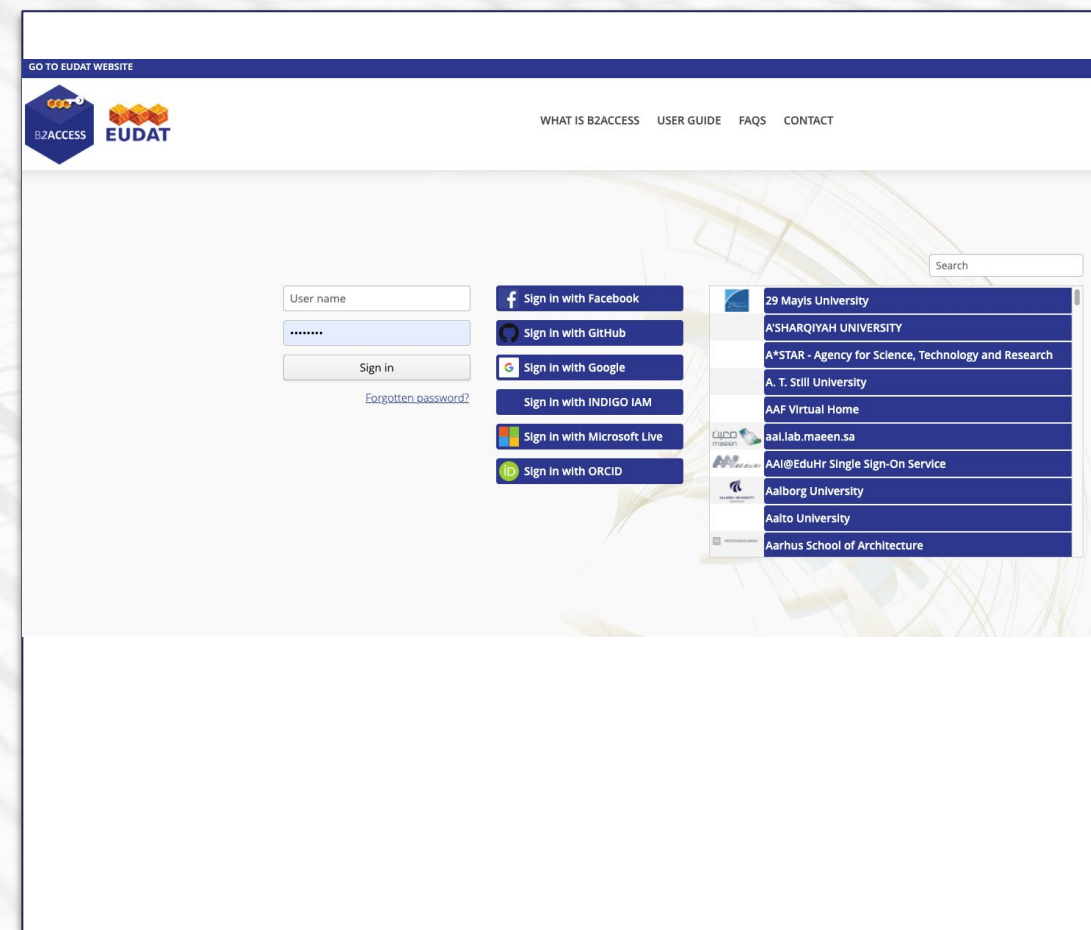
- Easy to use
- **Adopted and implemented** EOSC Profiles v4.0 specification.
- **Integrated** to EOSC
 - **Advertise** the EUDAT services one click! **Reach** a wider user base
 - Allows to **curate** EUDAT services independently



<https://sp.eudat.eu>

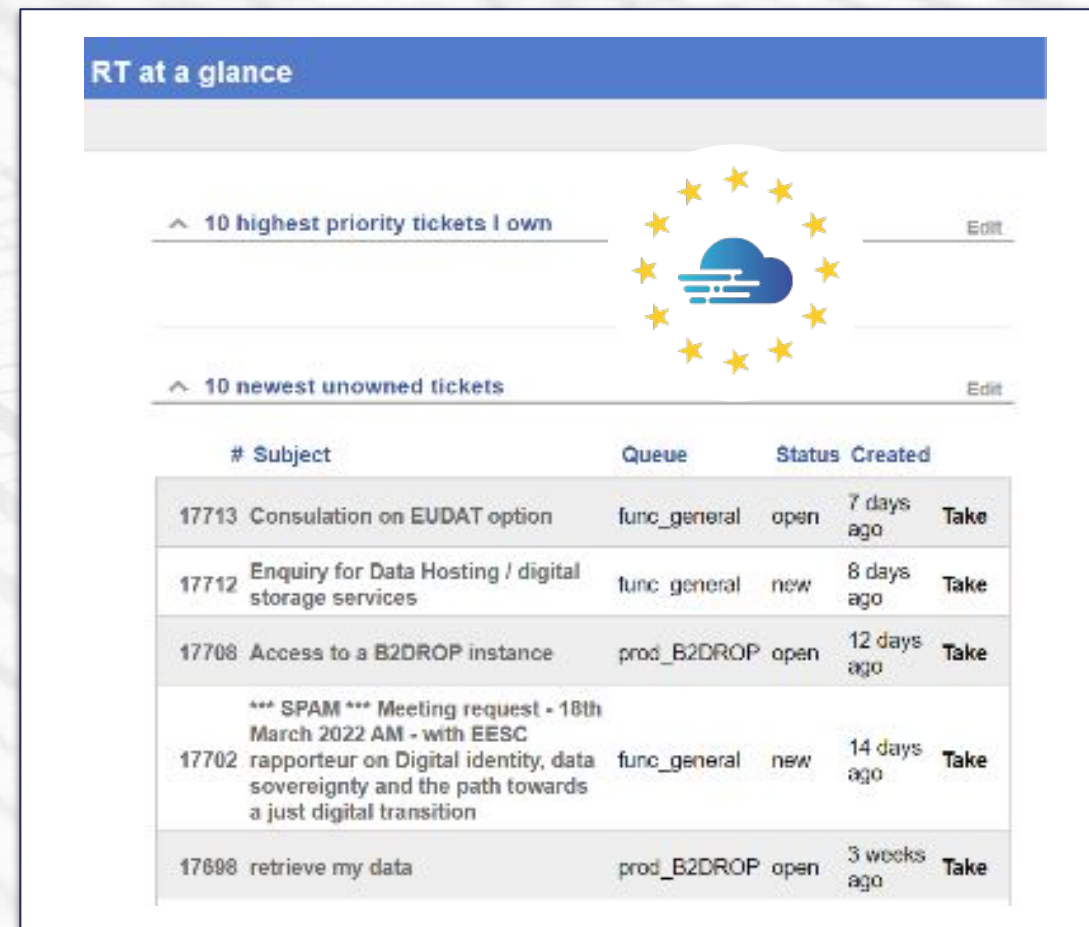
B2ACCESS is a federated cross-infrastructure authorisation and authentication proxy for user identification and community-defined access control enforcement.

- **Follows** the technical specifications and interoperability guidelines for the AAI
- Part of the **EOSC AAI**
- **Supports** a number of **communities**
- **Compliant** to the AARC Blueprint and REFEDS Sirtfi



<https://b2access.eudat.eu>

EUDAT Helpdesk is a communication resource that serves as a communication channel for support and problem resolution. It manages possible incidents related with EUDAT/DICE specific services, transferring them to the appropriate support team.



The screenshot shows the EUDAT Helpdesk interface. At the top, there's a blue header 'RT at a glance'. Below it, there are two sections: '10 highest priority tickets I own' and '10 newest unowned tickets', each with an 'Edit' link. A central logo features a blue cloud with horizontal lines, surrounded by yellow stars. Below these sections is a table of tickets.

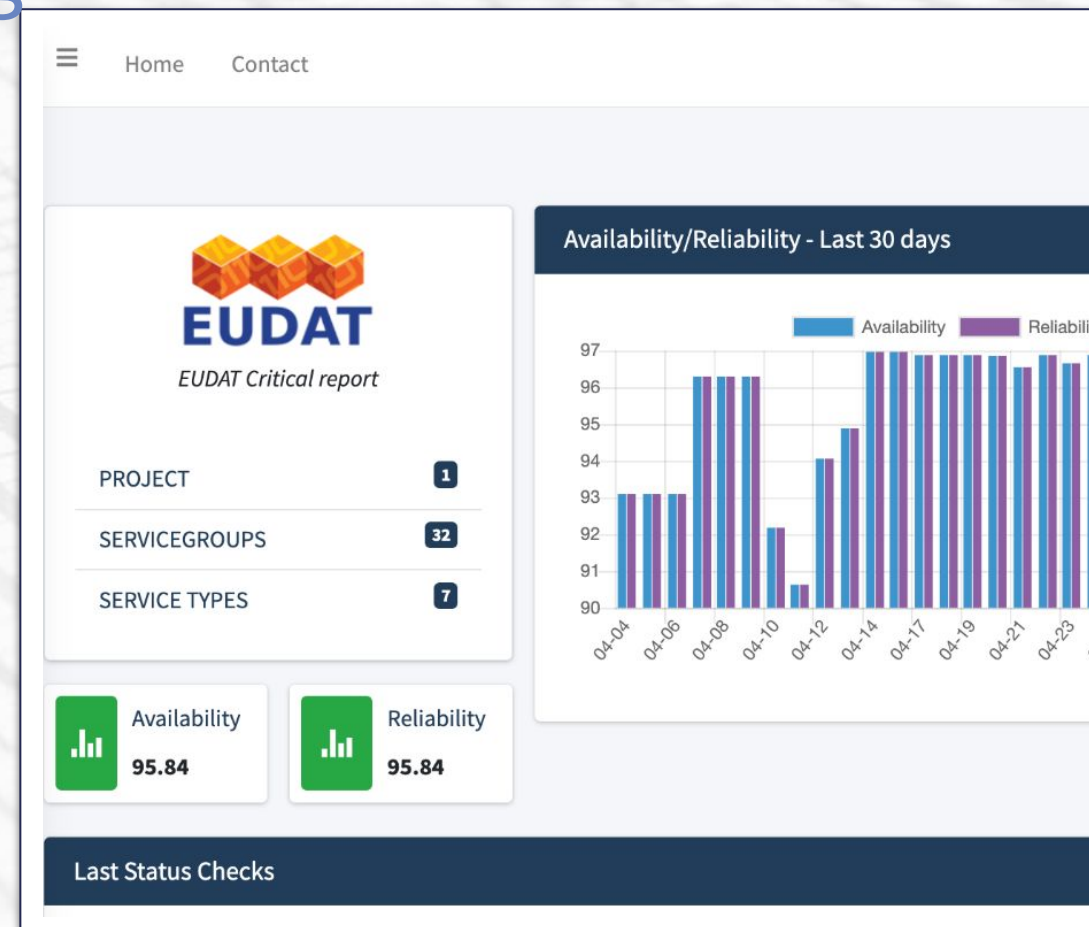
#	Subject	Queue	Status	Created	
17713	Consultation on EUDAT option	func_general	open	7 days ago	Take
17712	Enquiry for Data Hosting / digital storage services	func_general	new	8 days ago	Take
17708	Access to a B2DROP instance	prod_B2DROP	open	12 days ago	Take
17702	*** SPAM *** Meeting request - 18th March 2022 AM - with EESC rapporteur on Digital identity, data sovereignty and the path towards a just digital transition	func_general	new	14 days ago	Take
17698	retrieve my data	prod_B2DROP	open	3 weeks ago	Take

<https://helpdesk.eudat.eu/>

EUDAT CDI Monitoring

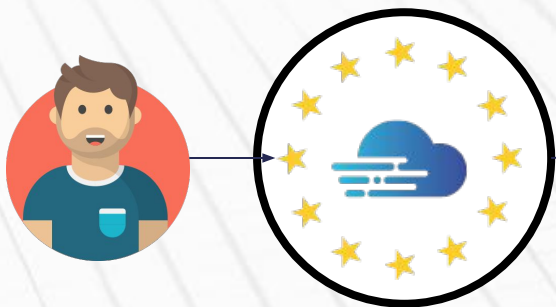
A Service that monitors the services by emulating typical user scenarios which allows them to infer the quality of service the actual user gets. The result:

- * Availability / Reliability Report
- * Status Report
- * Alerts



<https://avail.eudat.eu/>


User journey via the EUDAT integration in EOSC



EUROPEAN OPEN SCIENCE CLOUD

Find resource... All resour... Q My EOSC Marketplace

Resources > Processing & Analysis > Data Management > Persistent Identifier > B2HANDLE



B2HANDLE
Register your research data with a persistent identifier

Organisation: EUDAT
Provided by: National Infrastructures for Research and Technology, ESRF, Gesellschaft für Wissenschaftliche Datenverarbeitung GWDG Göttingen

4.5 (0.6/3) 0 reviews Add to comparison Add to favourites

Webpage Helpdesk Helpdesk e-mail Manual Ask a question about this resource?

VARIOUS ORDER TYPES

ABOUT DETAILS REVIEWS (0)

B2HANDLE is the distributed service for storing, managing and accessing persistent identifiers (PIDs) and essential metadata (PID records) as well as managing PID namespaces. The implementation of the service relies on the DOI/Handle persistent identifier solution. B2HANDLE can be used by middleware applications, end-user tools and other service to reliably identify data objects over longer time-spans and through changes in object location or ownership. The B2HANDLE service encompasses management of identifier namespaces (handle prefixes), establishment of policies and business workflows, operation of handle servers and technical services, and a user-friendly Python library for general interaction with handle servers and EUDAT specific extensions. B2HANDLE is mostly transparent to end-users, shielding them from the complexity of infrastructure details. B2HANDLE supports a dedicated Handle record structure (a PID profile) for the safe data management within an infrastructure with a given topology.

Features

- Globally resolvable identifiers via the Global Handle Network (GDN, <https://hdl.handle.net/>)
- Communities and organisations can obtain Handle-Prefixes (ePIC, 21.####*) for their own use
- PIDs can be hosted at EUDAT service providers
- B2HANDLE operates as a federation of EUDAT service providers based on policies
- PIDs are mirrored across multiple providers for high resolution and high availability
- Handle records can be customised to community and organisational needs (for example include checkmarks and timestamps to ensure authenticity of the data objects)
- Support for reverse look-ups of handle records
- REST API for easy registration and minting of PIDs

Resource offers

For Researchers

PIDs are normally automatically minted at and within data management and data repository systems, for example via the EUDAT B2SHARE data repository service. Therefore, researchers in need of a...

For Data Managers

B2HANDLE is the distributed service for minting, storing, managing, and accessing persistent identifiers (PIDs) and essential metadata (PID records) as well as managing PID namespaces. The B2HANDLE...

EUROPEAN OPEN SCIENCE CLOUD

English

CHOOSE YOUR ACADEMIC/SOCIAL ACCOUNT

OR

Search...

National Infrastructures for Research and Technology - CRINET
29 Mayn University
ARTEM - Agency for Science, Technology and Research
A.T. Still University
AUF - Virtual Home
AUI/Job.maan.se
AUI/BSU.de Single Sign-On Service
Aarhus University

B2HANDLE

Offer selection Access instructions Configuration Pin to a project

Offers

To gain the access to the resource, please select an offer that suits your needs best.

For Researchers

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Select an offer

For Data Managers

B2HANDLE is the distributed service for minting, storing, managing, and accessing persistent identifiers (PIDs) and essential metadata (PID records) as well as managing PID namespaces. The B2HANDLE...

TECHNICAL PARAMETERS

Number of Prefixes	1 prefix - more than 3 prefixes
Preferred service provider	CRINET - Other
Number of PIDs	100 PIDs - 1M PIDs

Select an offer

Search

Find a service

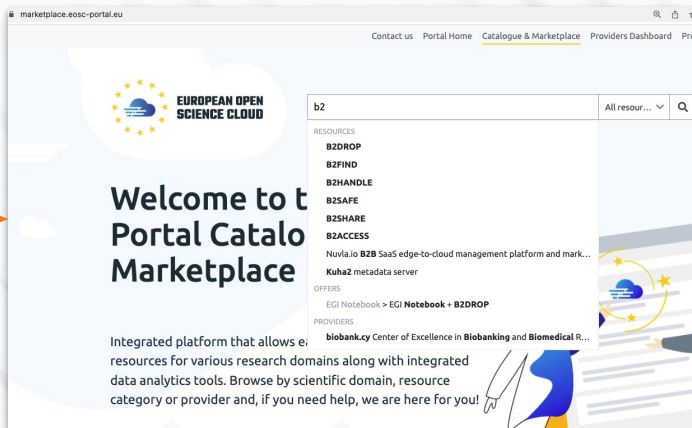
LOGIN via B2ACCESS

Make an order

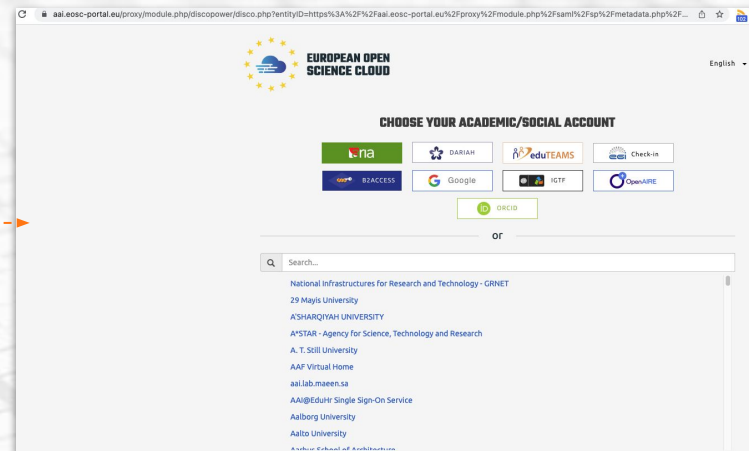
Ask about a B2 Service

EUDAT Services in EOSC

SPMT
Describing the resource & the provider for EOSC Portal.

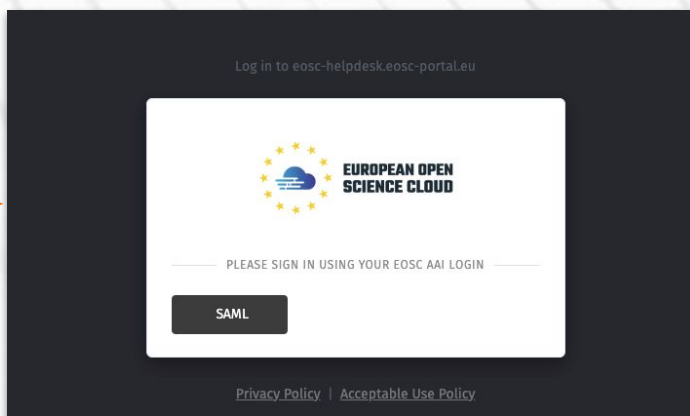


B2ACCESS
Connect with B2ACCESS to enable users authentication and authorisation.



Have you visited the Marketplace ?

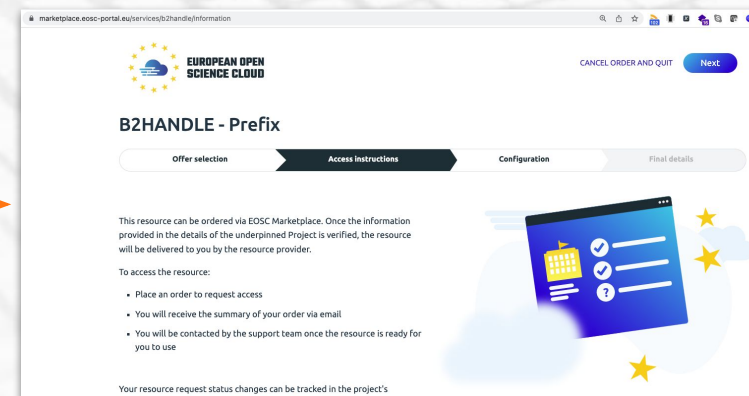
Helpdesk
Connect with the EUDAT Helpdesk to support the users.



Do you have a question about B2 Services?

Did you know that you can login via B2ACCESS?

Helpdesk
Connect with the EUDAT Helpdesk to support the users.



Did you tried to make an order ?



Thank you

Themis Zamani
GRNET / EUDAT / DICE

JOIN OUR COMMUNITY



DICEosc



[/company/diceosc](#)