



Data management services

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

Summary



Consortium: 24 Partners
Coordinator: CINECA



Grant Agreement: 101017207
Call: INFRAEOSC-07-2020



30 months
(1 Jan 2021 – 30 Jun 2023)



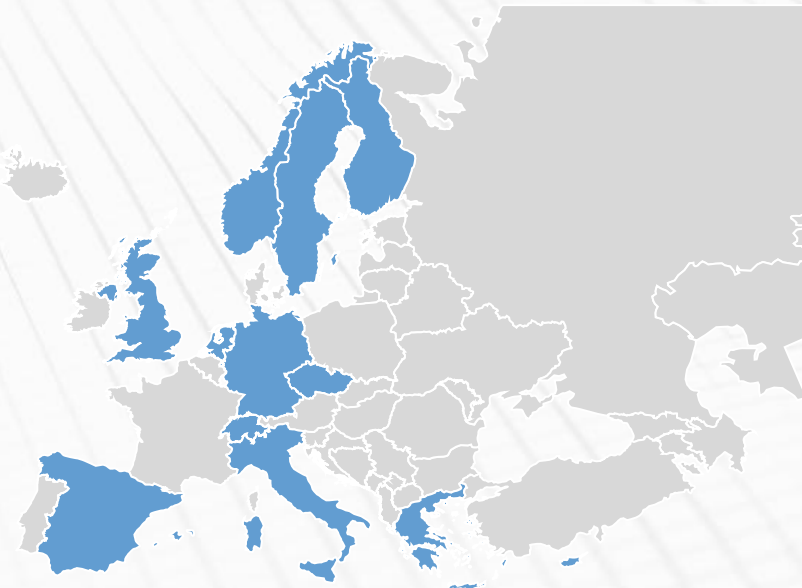
**Enable a European storage
and data management infrastructure for EOSC**
**Provide generic services to store, find, access,
and process data in a consistent and persistent way**



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**



Service providers

CINECA

JÜLICH
Forschungszentrum



Users'
communities

ASTRON

ICOS | Carbon Portal



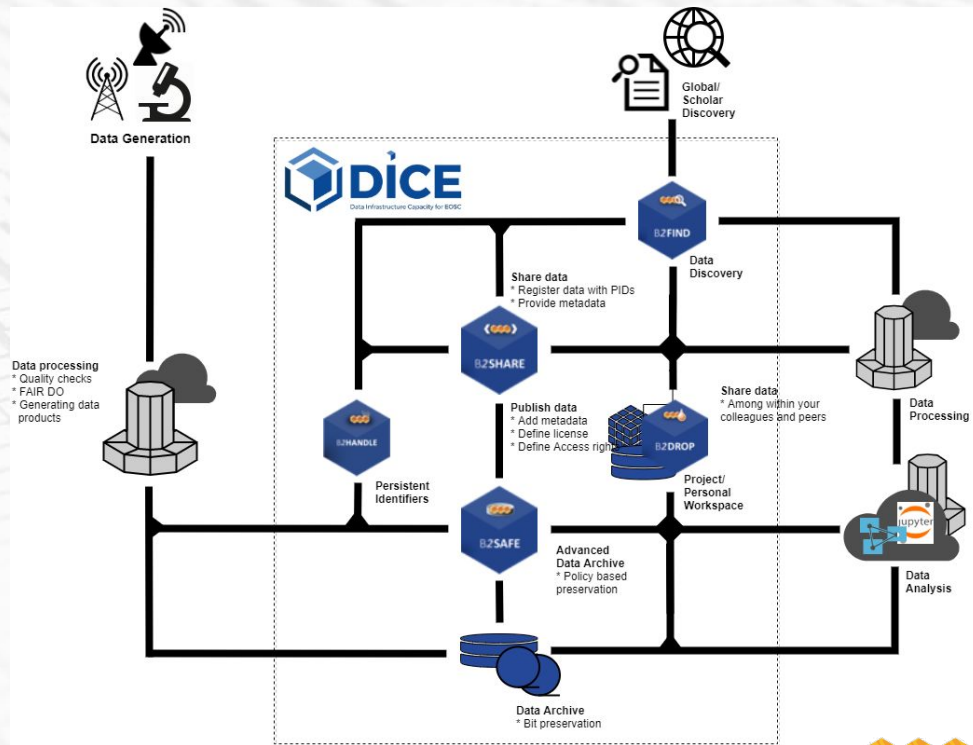
Outreach &
sustainability

Trust-IT Services
Communicating ICT to markets



Objectives

- Enable a European storage and data management infrastructure for EOSC
- Provide generic services to store, find, and access data in a consistent and persistent way
- Enrich the available data management services to better support: sensitive data, long-term preservation, connection with compute
- Provide resources free at the point of use



Service offering



Data Discovery

Making research data findable
Data source harvestable and to make data widely discoverable



Data Repository

Long-term data resources preservation and sharing
To store non-active FAIR data



Policies based Data Archive

Mid-long term data resources, to store non-active research data
Value-added services (integrity checks, replications, ..) for long-term, stable data archives.



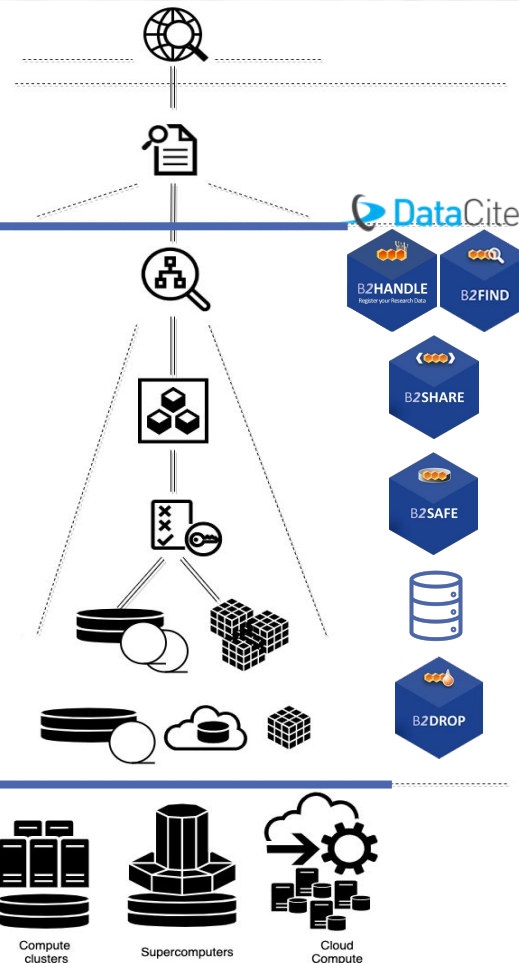
Data Archive

Mid term storage resources after/between projects,
Accessible from computing facilities to store non-active research data, bitwise preservation



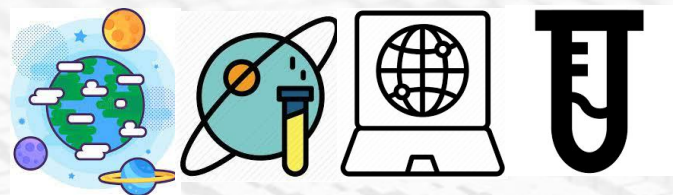
Personal and/or Project workspace

Mid-term storage during project,
To store active resource data



Service offering

- Services are horizontal
 - They can be used in any scientific/industrial domain
 - We served already more than 100 requests covering 15 different scientific domains and 19 European countries
- Significant amount of resources is available to users for each of the offered services
 - Free at the point of use until June 2023
 - Ideal also for piloting the different solutions
- Services can be used
 - By themselves
 - In combination with other DICE services and other providers



	Total capacity offered
Data discovery	75 prefixes > 50 organisations
Data repository	7'900 TB
Policy based Data Archive	17'450 TB
Data archive	25'350 TB
Personal/project workspace	5'150 TB

Support is provided together with the offered services and resources



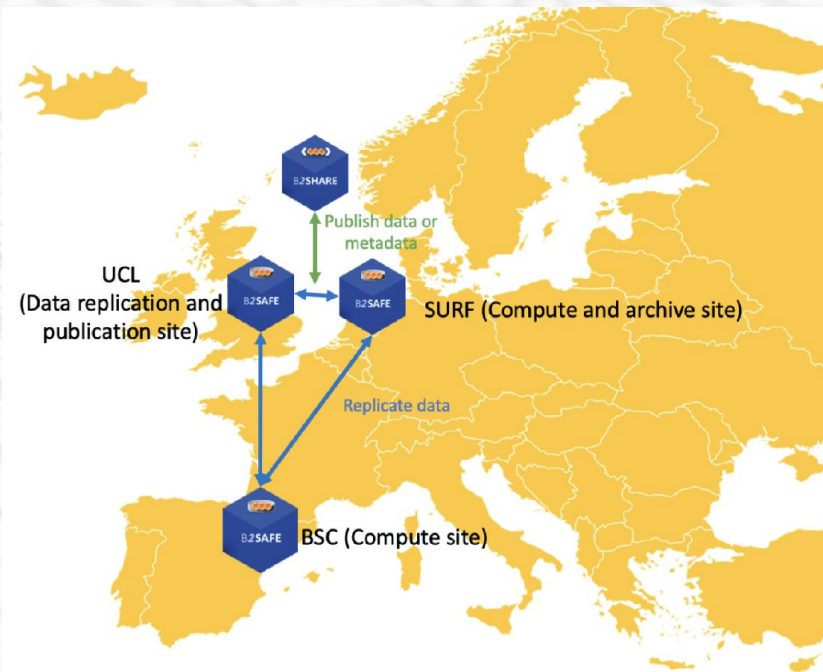
1. Data are store in proximity to HPC resources



2. Data are replicated across sites

3. Data are assigned PIDs

4. Data are published and harvestable



Status of Virtual Access provisioning

18

Providers

14

Services

85

Projects

1835

Users

16

Domains

23

Countries

Events

3

DICE
workshops

7

Conferences

7

Workshops

4

Other
events

2

Joint activities
with EU projects



How to access DICE services

- Services can be requested any time
- Services are already onboarded and accessible in the EOSC marketplace

https://marketplace.eosc-portal.eu/services?sort=_score&related_platforms%5B%5D=53

- Services can be requested also via the EUDAT support channel where you can also ask for more information:

<https://eudat.eu/contact-support-request>

- DICE services are also part of the EOSC DIH and EOSC Early Adopters programmes

Resources

Active filters

Related infrastructures and platforms: **DICE** ✕ Clear all filters ✕

Displaying 7 results

Sort by: by name A-Z ▼

B2ACCESS

Identity & authorisation

Provided by: EUDAT
Scientific domain: Generic
Dedicated for: Researchers

☐ Add to comparison

ORDER REQUIRED



B2DROP

Synch and share research data

Provided by: EUDAT, Jülich Supercomputing Centre
Scientific domain: Generic
Dedicated for: Researchers

☐ Add to comparison

OPEN ACCESS



THE RESOURCE HAS 3 OFFERS THAT MATCH YOUR SEARCH CRITERIA

For Data Managers
For Communities And Organisations
For Researchers



Thank you!

JOIN OUR COMMUNITY



DICEosc



/company/diceosc