

DATA INFRASTRUCTURE CAPACITY FOR EOSC

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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

Grant Agreement: 101017207 Call: INFRAEOSC-07-2020





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





- Enable a European storage and data management infrastructure for EOSC
- Provide generic services to store, find, and accessdata 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 under VA mechanism for each service









EXAMPLE 1 Capacity for EOSC Research data workflow - DICE







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, accessible from computing facilities 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, Good connection to computing facilities, To store active resource data







Compute clusters

Cloud Supercomputers Compute

Collaborative **UDAT** Data Infrastructure preserved across borders and discipline



HUNN CONTRACT	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		

Resources are offered free at the point of use until June 2023

Services can be used by themselves or in combination with other DICE services and providers



Integration with communities' platforms SUMMARY

	Use cases	Compute and Analysis	Discovery and Referencing	Long Term Preservation
CompBioMed	biomed data findability and replica in HPC centers	B2SHARE B2HANDLE		B2SAFE
LOFAR	radio astronomy data preservation and discovery		B2HANDLE B2FIND	B2SHARE
ICOS Integrated Carbon Observation System	benchmarking tool, data storage staging and publication	B2SHARE		B2SAFE



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- Services can be requested any time
- > For most categories, services are already onboarded and accessible in the EOSC marketplace

https://marketplace.eoscportal.eu/services?sort= score&related platforms%5B%5D=53

- More services/installations will be made available in the next few weeks
- Services can be requested also via the EUDAT support channel:

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

Resources

Active filters Related Infrastructures and platforms: DICE × Clear all filters ×	
Displaying 7 results Sort by: by name A-Z 🗸	
	U ORDER REQUIRED
B2ACCESS	
Identity & authorisation	
Provided by FURAT	
Provided by: EUDAT Scientific domain: Generic	B2ACCESS
Dedicated for: Researchers	BZACCESS
Add to comparison	•
	OPEN ACCESS
B2DROP	
Synch and share research data	
Synch and share research data	
Provided by: EUDAT, Jülich Supercomputing Centre	
Scientific domain: Generic	0.20000
Dedicated for: Researchers	B2DROP
Add to comparison	
THE RESOURCE HAS 3 OFFERS THAT MATCH YOUR SEARCH CRITERIA	
For Data Managers	
For Communities And Organisations	
For Researchers	



Thank you!

JOIN OUR COMMUNITY





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