

Store and publish data with B2SHARE

Philipp Wieder, GWDG Webinar "Securely store and publish research data with DICE service"

February 23, 2022



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"I want to be able to refer to my data set (in my publication, on my website, ...)"

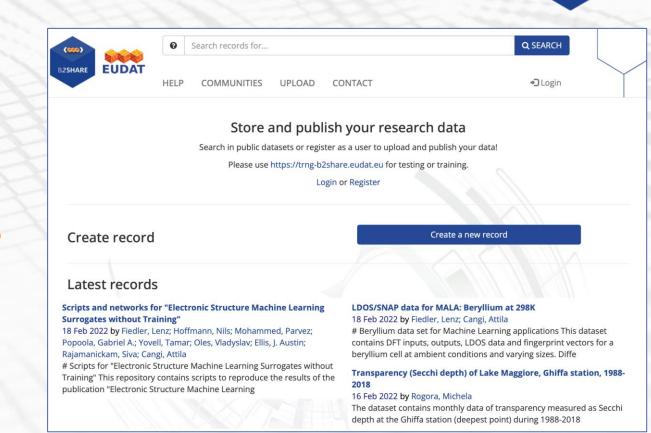
> "I would like to create a data repository for my research community"

"I want to maintain concise metadata together with my data objects"





... a user-friendly, reliable and trustworthy way for researchers, research communities, and scientists to store and publish research data.

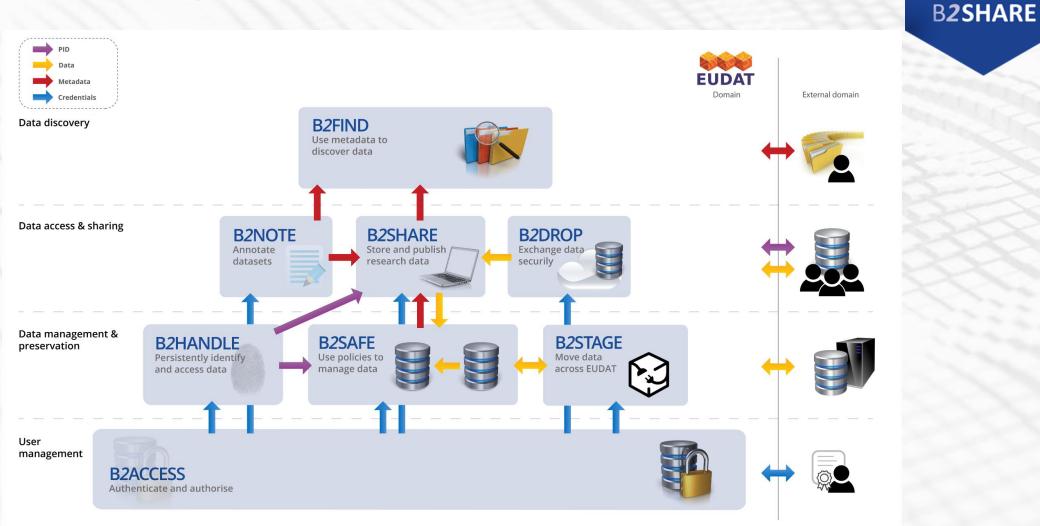




- Store data safely
- Register data for long-term preservation
- Attach metadata
- Publish data
- Control access & share data
- Integrate through API into your application

Metadata management Persistent identifiers Support for open access 

Integrated Stack



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B2SHARE

General entry point: EOSC Marketplace

B2SHARE:

https://marketplace.eoscportal.eu/services/b2share

Contains

- General service information
- Available service flavours
- Request what you need

		B2SHARE	
((Store and publish research data	
		Organisation: EUDAT	Access the resource
B2SH	IARE	Provided by: CSC – IT CENTER FOR SCIENCE, SURF, Gesellschaft für wissenschaftliche Datenverarbeitung mbH Göttingen	III VARIOUS ORDER TYPES
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		 → Webpage → Helpdesk → Helpdesk e-mail → Manual → Training information 	Ask a question about this resource?
ABOUT	DETAILS	REVIEWS (0)	
ublish and share ersistence of da etadata extens id/or access to	e research data Ita and allows d ions, access rule	ble and trustworthy way for researchers, scientific communities and citizen scientists to store, in a FAIR way. B2SHARE is a solution that facilitates research data storage, guarantees long-term ata, results or ideas to be shared worldwide. B2SHARE supports community domains with es and publishing workflows. EUDAT offers communities and organisations customised instances pporting large datasets.	
atures Support of me	etadata descrip	tions via the EUDAT metadata schema	Generic
		Ind Handle PIDs for data objects	- Generic
Supports vers	ioning		CATEGORISATION
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Direct upload			Data Storage
Accessible via	a Web GUI and	an API to support automatic publishing workflows	 Digital Preservation
	munity domain		



Through B2ACCESS

- Register account at <u>https://b2access.eudat.eu/</u>
 - Your home organisation
 - ORCID et al.
 - B2ACESS ID
- Provides access to other B2* services as well

GO TO EUDAT WEBSITE		
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		Aalto University

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OPEN ACCESS

For Researchers - Basic

B2SHARE is a free-to-use public service supporting cross disciplinary research, self-registration for any scientists and researchers, free upload of stable research data, data will receive a DOI...

Select an offer

Show more

The B2SHARE - Premium service is the same as the basic service, but provides researchers the option to upload of

> larger data files and datasets (>20GB) and the customization of metadata extensions.

For Data managers - Premium

TECHNICAL PARAMETERS

Requested resource capacity	100GB - higher than 1TB
Max size dataset	lower than 40GB - higher than 80GB
ls a specific community domain required	yes - no
ls specific metadata required	yes - no
Selec	t an offer

For Communities And Organisations

The B2SHARE option for communities and organizations offers the option for dedicated and branded B2SHARE instances which can be customized to community and organizational needs. This support...

Show more

TECHNICAL PARAMETERS

Requested total storage capacity	1TB - higher than 10TB	
How long must the data be stored	3 years - more than 10 years	
Select	an offer	

U ORDER REQUIRED

For Large datasets

EUDAT is a network service providers across Europe specialist in large ICT infrastructure supporting research. To researchers and/or communities seeking need to publish and/or make large datasets...

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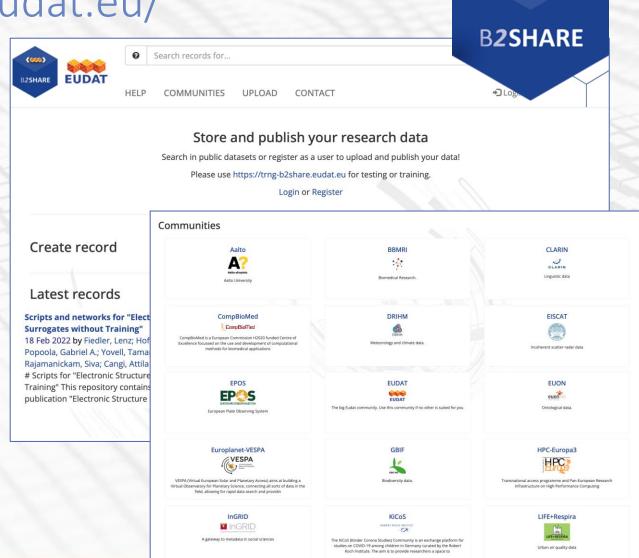
20 TECHNICAL PARAMETERS

50TB - higher than 500TB Requested total storage capacity How long must the data 3 years - longer than 10 be stored years Select an offer



https://b2share.eudat.eu/

- "Catch All" repository
- Open to all researchers
- Already supports a number of communities
- Provides you with all the basic functions
 - DOIs
 - Extensive metadata handling
 - Drafting, sharing, publishing





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B2SHARE

modified by its



Specific Offers through DICE

- Place your specific request through the EOSC Marketplace
- We will get into contact with you
- Multiple DICE partners (including GWDG) can help to implement your request
- Well-suited for communities, institutes, projects



For Communities And Organisations

The B2SHARE option for communities and organizations offers the option for dedicated and branded B2SHARE instances which can be customized to community and organizational needs. This support...

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How long must the data be stored	3 years - more than 10 years ed offer ✓	ameters UESTED TOTAL STORAGE CAPACITY
		Please choose storage capacity HOW LONG MUST THE DATA BE STORED







B2SHARE

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B2INST	EUDAT	HELP	COMMUNITIES	REGISTER	CONTACT	→] Login

Register and publish your scientific instruments

Search for scientific instruments or register as a user to register and publish your own instrument!

Login or Register

Register instrument

Register a new instrument

Latest instruments

Particle Size Analyzer Beckman LS 13 320 XR (EDYTEM CNRS) (example)

5 May 2021 by Beckman Coulter

Expanded measurement range: 10 nm – 3,500 µm Laser diffraction plus advanced Polarization Intensity Differential Scattering (PIDS) technology enable high-resolution measurement & reporting of real dat

NanoclusterTrap (example)

19 Apr 2021 by Helmholtz-Zentrum Berlin für Materialien und Energie The Nanocluster Trap endstation at BESSY II combines a cryogenic linear radio-frequency ion trap with an applied magnetic field for x-ray magnetic Zentrum Berlin (HZB) is operating three state-of-the-art synchrotron circular dichroism studies of cold and size-selected

Uwitec Pilot 90 (EDYTEM CNRS) (example) 5 May 2021 by Uwitec Sampling Equipments

Interface sediment corer - diam 90mm id190 U-PILOT 90 (EDY) https://www.cybercarothegue.fr/refoutil.php

Pilatus detector at MX station 14.1 (example) 19 Apr 2021 by DECTRIS

The Pilatus 6M pixel-detector at the MX station 14.1

Macromolecular Crystallography station 14.1 (example)

19 Apr 2021 by Helmholtz-Zentrum Berlin für Materialien und Energie The Macromolecular Crystallography (MX) group at the Helmholtzbeamlines for MX at BESSY II in Berlin (Heinemann et al., 2003; Muel

More instruments ...

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