B2SHARE

How to share and store research data using EUDAT’s B2SHARE

Version 1
B2SHARE is...

*a user-friendly, reliable and trustworthy way for researchers, scientific communities and citizen scientists to store and share small-scale research data coming from diverse contexts*
B2SHARE is part of EUDAT...

a pan-European initiative building a sustainable cross-disciplinary and cross-national data infrastructure providing a set of shared services for accessing and preserving research data

supporting multiple research communities by working closely with them to deliver these technical services as part of the EUDAT Collaborative Data Infrastructure (CDI)
A truly pan-European Infrastructure

Research Communities
National Data centres
Technology providers
Offering permanence, persistence, reliability and long term solutions

- general data centres
- community centres representing all the associated community data centres

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B2SHARE Training
Where is B2SHARE in the EUDAT suite?

B2SHARE uses other EUDAT services such as B2SAFE and B2STAGE to provide reliability and data retention.
The Who, What, Why of B2Share

Who uses B2Share?
Researchers, students and even citizen scientists are creating small “long tail” data which is not stored safely or easily sharable.

What is B2Share?
B2Share is a user-friendly data repository
A place where small data sets can be safely stored and easily shared with others.

Why use it?
To have that peace of mind that your data is stored safe and sound while reaping the rewards of sharing data with others.

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Who is B2SHARE for?

Basically anyone!

- From individual researchers, PhD and Postdoc students, to project coordinators and collaborators, and even schools and citizen scientists.
- Use the service as an individual user or as part of a specific research community.

**B2SHARE bridges the gap between citizen scientists and researchers to enable and stimulate research data collaboration and sharing**

A winning solution to …

- **Store**: facilitates research data storing
- **Preserve**: guarantees long-term persistence of data
- **Share**: allows sharing of data, results or ideas worldwide
B2SHARE added-value

Your data is …

- Hosted so there are no hardware or network worries on depositor side
- Assigned a permanent ID which means it is always retraceable to you
- Stored alongside queriable & findable metadata and automatically available via the B2FIND metadata catalogue
- Managed and stored by a trusted and certified data centre
First you have to register

2. Click on “Login”…..
3. Click on “Don't have an account? Sign up here.”…..
4. Fill in the details and click on sign up to create your account then…..
5. ...Check your email and follow the instructions by clicking on the activation link
You must do this within 3 days of receiving the message

Hello,
We have received an account activation request via b2share.eudat.eu for the email address "t.biro@trus" If you would like to complete this account registration, please go to:

https://b2share.eudat.eu/youraccount/access?ln=en&emailcookie=4001b1548fcb323d2c70ebc961e1ae9dca0

to confirm the validity of this request.
Please note that this URL will remain valid for about 3 days only.

6. Click on the link to your account page
...and then you see your user page

Including all your tools and services:

- Alerts
- Account
- Groups
- Data deposits
- Searches
- Tags
- Messages
- Basket
How do I deposit data? – Step 1

Go to the homepage and click on “Deposit”
How do I deposit data? – step 2

Select and upload one or several data resources

Drag and drop to "Drag and drop files here"

OR…..Hit “Select files” and select from your pop-up file

When ready, click the button marked “Start upload”
Check the upload status
You can cancel uploads by clicking on the dustbin icon

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How do I deposit data? – step 3

Select an appropriate domain or project by clicking on one of the domain or project boxes. Your data will be stored there.
How do I deposit data? – step 4

Add basic metadata fields. The more information you add the easier your data will be to find for others.

Open Access:
Select “ON” to make your data accessible to registered members only.
Select “OFF” and everyone can see your data.

All metadata is visible to all.
After completing the general information, you should also complete the community specific fields.

Each community has different fields to complete.

How do I deposit data? – step 6
How do I deposit data? – step 7

Hit the deposit button to share your data and then....

...see the records page for your data
What data can you upload?

Research data
Primary data
Processed data
Data as basis for a publication
Empirical data
Theoretical data

In virtually any kind of format…..
Papers
Spreadsheets
Audio-visual media,
Data source or purpose of the data has a scientific background.

Just a note….

Make sure that you are allowed to upload your data. Data protection laws exist to protect sensitive data and restrictions exist on this data is stored. Always check if your data has any such restrictions on where it can be stored.

Unrelated personal data should not be stored on B2SHARE.

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Are there any limits on how much I can upload?

The number of files you can upload is unlimited.
Maximum file size is 2GB per file.
If you want to upload larger files then contact eudat-simplestore@postit.csc.fi.
Can I restrict access to my data?

You can choose if you want your data to be open to anybody or be restricted.

All metadata stored in B2SHARE, except private information such as email addresses and phone numbers, are made publicly available.

As the service is dedicated to research data, the names and affiliations of the data owner and/or the data depositor are publicly available.
The B2SHARE service provider will respect the user’s access restrictions, assign PIDs to each object (and by this way, register them to the EUDAT domain of registered data) and store the data according to the B2SHARE service statements.

For the most common data types – such as text, audio and video files – custom players will be available so that authorized users will be able to directly view the contents of the data files.
What happens to my data once I have deposited it?

EUDAT has no claim over the data deposited in B2SHARE and depositors remain entirely responsible for the data they deposit.

Data is stored on state of the art servers at the Finnish IT Center for Science, Kajaani, Finland

EUDAT retains the right of archiving, i.e. creating replicas at trusted centers to take care of long-term persistence.

In the next few months we plan to make it possible to users to choose their preferred storage provider from a selection of EUDAT centres in various European locations.
How do I search for data?

Basic search
- Type in part of a title, keyword, abstract or other metadata and click on “search”

Advanced search
- Click on the arrow next to “Search”
- The Advanced search options drop down.
- Specify search fields, use boolean methods in various indices and use regular expressions and other search operators (spans, refers to, cited by).
- Click on search at the bottom of the drop down area.
How can I download data?

Once you have found the data you want, you can download easily by clicking on the download button.
Each data or data set has its own records page
And how much does all this cost?

The B2SHARE service is free of charge for European scientists and researchers. No comparable service currently exists to support EU research.

Services
- Self-service registration
- Free upload and registration of stable research data,
- Data access policy defined by data owner,
- Metadata openly accessible and harvestable,
- Customized metadata handling and customized user interfaces (e.g. for metadata acquisition),
- Data integrity ensured by checksums which are calculated during data ingest,
- Data is kept online

Services
- Storage usage based on fair share principle,
- Professionally managed service: data is stored at Datacenter CSC Kajaani, certified by the ISO/IEC 27001:2005 standard for its information security management system,
- User support provided via EUDAT ticketing system,
- Service availability and usage of storage is monitored,
- Data and metadata remains accessible for two years if services

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What’s next for B2SHARE users?

We’re always looking to improve B2SHARE and the following additions will be made:

- Provision of basic B2SHARE service by multiple service providers,
- Communities will be able to request a premium service providing larger storage capacity,
- Service provisioning based on SLAs,
- Users will be able to choose their own trusted service provider,
- B2SAFE repositories will be connected to the safe replication service,
- Sharing data with user groups,
- Introduction of social tagging.

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Thanks

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