ERDA OVERVIEW

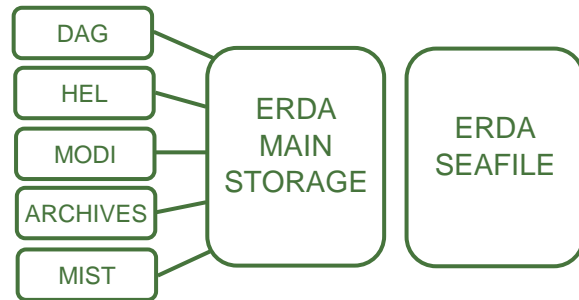|	
DAG	
HEL	ERDA MAIN STORAGE
MODI	
ARCHIVES	
MIST	ERDA SEAFILE

STORING AND SHARING DATA

There are two separate areas in ERDA for storing and sharing data:

1. ERDA MAIN STORAGE

Files   Workgroups   Share Links

Central storage for your own data. Share folders with internal and external users at ERDA using Workgroups, where you control access. Use the ERDA storage as a network drive on your computer and exchange data with anyone via share links.

2. ERDA SEAFILE

Seafile   Share Links

Synchronise data between one or more computers and ERDA Seafile. Share data with other internal and external users on ERDA Seafile. Exchange data with anyone via share links.

Advantages of using ERDA to store and share research data:

- ☑ Data is only stored internally at UCPH
- ☑ All data is transferred over a secure connection
- ☑ Supports two-factor authentication for stronger access control
- ☑ Dynamic sharing and collaboration with other users via Workgroups/groups
- ☑ Data exchange via share links without the recipient needing an account

The two areas have the following additional advantages and disadvantages:

ERDA MAIN STORAGE	ERDA SEAFILE
☑ Unlimited space ☑ Efficient file access with SFTP/FTPS ☑ Network drives with SSHFS/WebDAVS ☑ Many additional functions, such as Jupyter, archives with optional DOI, data transfers, web hosting, MIST and PC backup	☑ Automatically synchronises data between your computers and ERDA Seafile ☑ Automatic history for all files, including rewind function ☑ Can automatically encrypt data locally, so that it is only stored encrypted at UCPH
☒ No file history or rewind function ☒ Only manual data synchronisation ☒ Limits on use of exotic characters in file names and on symbolic links ☒ Only manual encryption for data in storage	☒ Space limit of 100 GB ☒ Limited options for efficient file access ☒ Fewer extra functions

EXTRA FUNCTIONS WITH ERDA MAIN STORAGE

DATA CALCULATION AND ANALYSIS

DAG – Data Analysis Gateway

- JupyterLab or RStudio for easy interactive data analysis

HEL – High-performance Environment for Learning

- JupyterLab for easy interactive data analysis
- Accelerators for Artificial Intelligence (AI) computing

MODI – MPI Oriented Development and Investigation

- HPC setup for distributed simulation and data analysis

DATA PUBLICATION AND VISUALISATION

ARCHIVES with DOI option

- Use ERDA Archives to freeze copies of underlying research data and results in connection with your publications.
- Facility for publication with a permanent link to the frozen data
- Published archives are guaranteed to be available for at least 10 years, and can be assigned a DOI from UCPH
- Supports UCPH policy for research data, in line with Open Science and the FAIR principles

MIST – Multi-purpose Infrastructure Service Tools

- Cloud solution that allows you to freely present and graphically represent your research and results online if you have a bit of technical flair
- Retrieve data into ERDA from external instruments
- Present and interact with ERDA data through a web portal

GET HELP

See https://erda.ku.dk/ for more information or email support@erda.dk for personal assistance.