

M4I



Project description

M4I is a state-of-the art molecular imaging institute that brings together a powerful palette of high-end, innovative imaging technologies. The mission of the institute is to perform fundamental, instrumentation and applied studies in molecular imaging as a part of a translational, synergistic, interdisciplinary research programme in a leading international center relevant for science, education, economy and society.

"M4I needed an archive of M4I research data. Our network working directories don't have much space left. The DataHub services provide a project archive solution in order to free space on our working directories."



Reduced storage costs

At the Maastricht MultiModal Molecular Imaging Institute (M4I) researchers work with the latest molecular imaging techniques in cryogenic electron microscopy and imaging mass spectrometry. Both techniques can generate TB of data in a day's worth of acquisition time.

To reduce yearly storage costs for M4I, in 2020, DataHub has migrated about 135 TB of data from the HNAS storage to the cheaper CEPH storage. This migration process has reduced costs by more than half and saves M4I approximately k€16 yearly.

"The migration of M4I research data by DataHub has been transparent to the researchers and all their metadata on the data has remained intact."

Themes

	
Collaboration M4I gathers massive amounts of data. DataHub provides research data management services that enable M4I researchers to keep oversight of their project data, regardless of the data format. M4I also closely collaborates with DataHub to make sure that in the near future research data generated at M4I comply to the FAIR principles.	Findability Research data can be annotated with semantically enriched metadata in the DataHub web portal. In this way, M4I researchers are guaranteed that their data is stored safe and can be retrieved through the research data warehouse by themselves or their colleagues.

Tools used



Results

The collaboration between M4I and DataHub resulted in:

- Highly structured datasets
- Highly enriched datasets
- Connection to other datasets

[Go to DataHub services](#)

More info


If something is unclear, doesn't work or you just need help, contact the local data steward for M4I: Paul van Schayck.


[Contact M4I data steward](#)

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For general inquiries about DataHub [contact DataHub](#) directly.

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