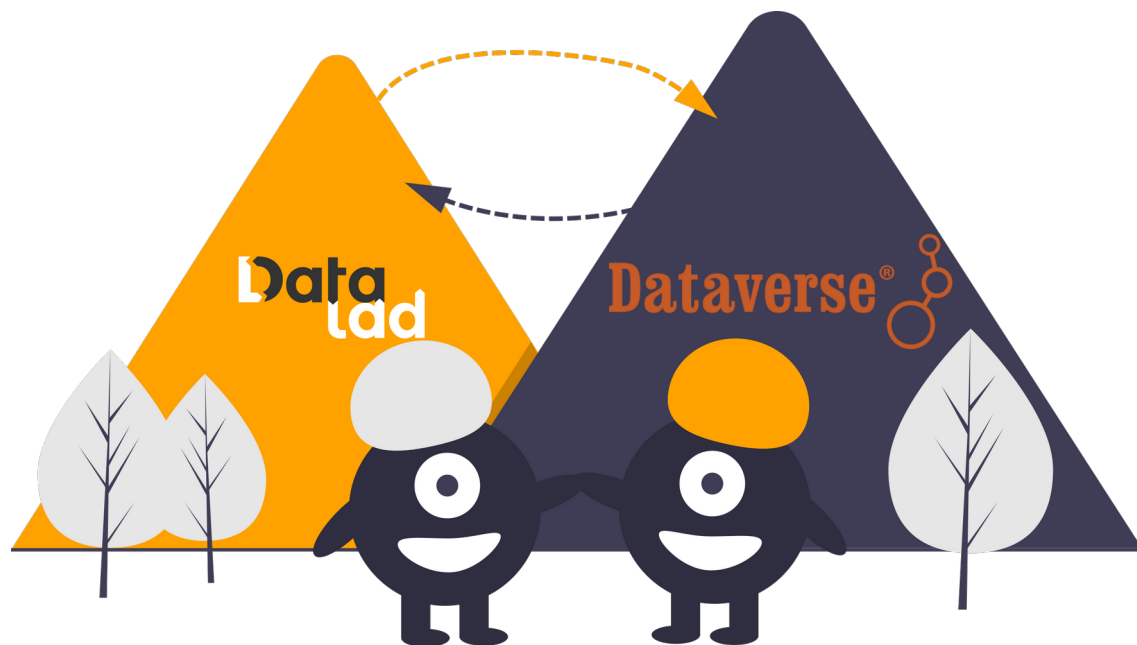


Lightweight data publishing on Jülich Data with DataLad



Acknowledgements

DataLad-dataverse contributors

Thanks goes to these wonderful people ([emoji key](#)):

 Johanna.Bayer 	 Nadine Spychala  	 Benjamin Roldrack                                                       
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What is DataLad

- A free and open source tool
- for decentralized (research) data management
- with a command line interface, Python API and graphical user interface
- allowing exhaustive tracking of the evolution of digital objects
- and computational provenance tracking
- to enhance modularity, portability and reproducibility
- <https://datalad.org>



What is Dataverse

- Open source research data repository software
- Hosted at > 105 institutions
- <https://dataverse.org/>

What is Jülich DATA

- An instance of Dataverse
- Institutional data repository at FZJ
- Service to index all data publications created at or in the context of FZJ
- Managed by the Central Library
- <https://data.fz-juelich.de/>



Why *lightweight* data publishing

Data Storage Linking

Research in Jülich is very diverse, as is the data generated from our activities. Ranging from as small as a few kilobyte, it's easy to reach petabyte for datasets.

Obviously, those big piles of data are likely immutable and unmovable. It makes more sense to link to such data instead of [uploading it to a central storage location](#) (unless there is a very good use case).

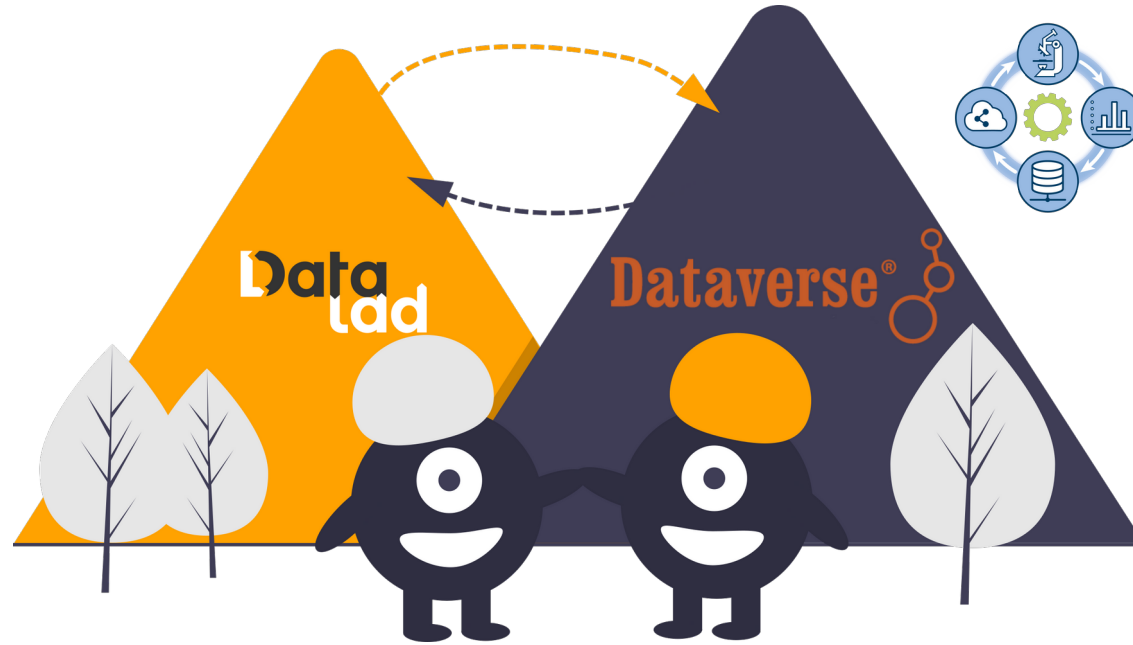
[Datasets](#) in Jülich DATA satisfy the [FZJ metadata schema](#). It contains a field *Storage Location URL*, enabling linking to individual data files, archives, snapshots, services or inventories.



The screenshot shows a web form titled "FZJ Metadata" with a blue upward arrow icon. It contains three input fields, each with a red asterisk and a blue question mark icon. The first field is labeled "Institute" and is a dropdown menu. The second field is labeled "PoF III topic" and is also a dropdown menu. The third field is labeled "Storage Location URL" and is a text input field with placeholder text "Enter full URL, starting with e. g. http://, smb://, ...". To the right of this field is a blue square button with a white plus sign.

<https://data.fz-juelich.de/guide/juelich/data-linking.html>

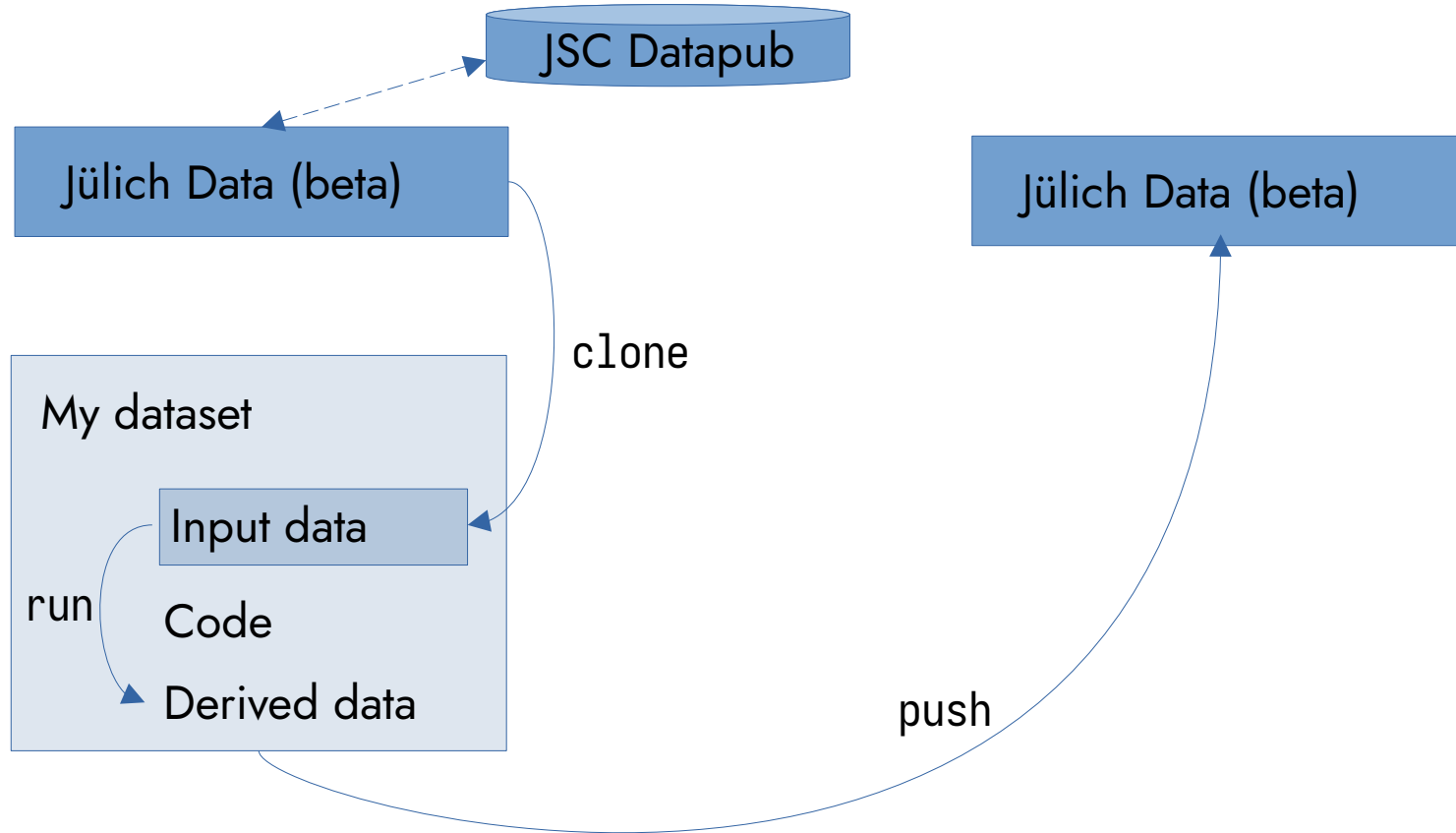
Best of both worlds



actionable data tracking with DataLad
(identity, availability, provenance)

Discoverability & metadata with Jülich DATA

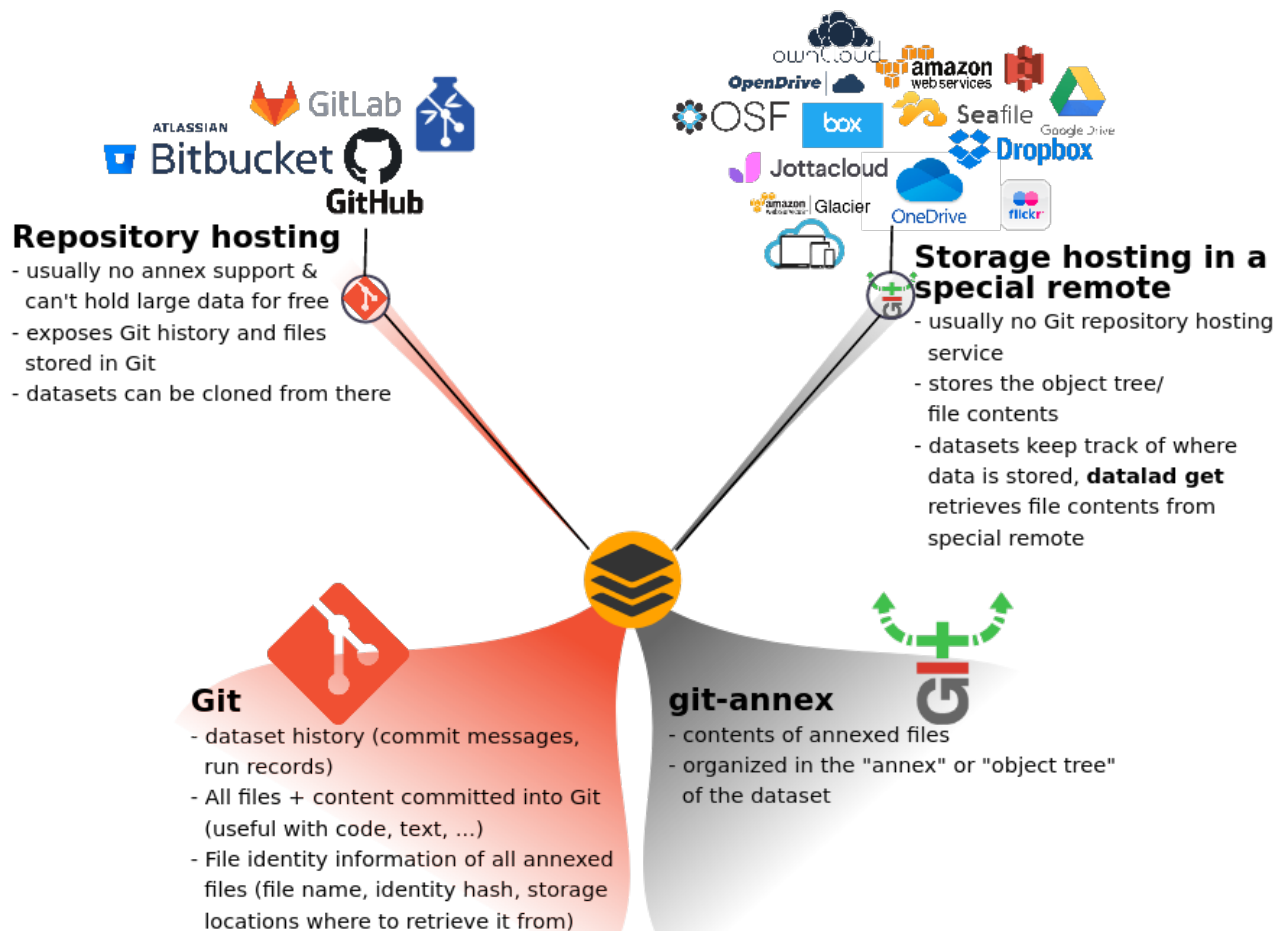
Software demo



<https://jugit.fz-juelich.de/m.szczepanik/juelich-data-datalad>

Part 2: additional details

Two aspects of datasets: Git and git-annex



See:

- git-annex [special remotes](#)
- [Datalad-next](#) extension
 - uncurl remote
 - create-sibling-webdav

Publication modes: git-only (lightweight)

[Contact](#) [Share](#) [Publish](#) [Edit](#)

**Data hosted on datapub.fz-juelich.de**

Draft **Unpublished**

Wagner, Adina Svenja, 2023, "Data hosted on datapub.fz-juelich.de", <https://doi.org/10.0346/JUELICH-DATA-BETA/IHHXNN>, Jülich DATA - Beta Training Facility, DRAFT VERSION [?](#)

 Cite Dataset 

Learn about [Data Citation Standards](#).

Description [?](#)

I would like to get a DOI for the dataset I published to datapub.fz-juelich.de (2023-10-05)

Subject [?](#)

Medicine, Health and Life Sciences

Institute [?](#)

INM-7

FilesMetadataTermsVersions

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Filter by

File Type: All  **Access:** All 

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Publication modes: annex (default)

FilesMetadataTermsVersions

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☐	MD5E-2Ds6-2D-2Dd577273ff85c3f84dadb8578bb41399 annex/4f5/973/ Plain Text - 6 B Deposited Mar 16, 2023 MD5: d57...399	
☐	XDLRA-2D-2Drefs annex/3f7/4a3/ Plain Text - 145 B Deposited Mar 16, 2023 MD5: eb0...765	
☐	XDLRA-2D-2Drepo-2Dexport annex/eb3/ca0/ Unknown - 19.2 KB Deposited Mar 16, 2023 MD5: 6f2...f9e	

Publication modes: filetree

Files

Metadata

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1 to 6 of 6 Files

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☐	refs __datalad/dotgit/ Plain Text - 145 B Deposited Mar 16, 2023 MD5: 6a2...1aa	Download
☐	repo.zip __datalad/dotgit/ Unknown - 20.7 KB Deposited Mar 16, 2023 MD5: 054...417	Download
☐	__gitattributes __datalad/ Plain Text - 32 B Deposited Mar 16, 2023 MD5: 82a...811	Download
☐	__gitattributes Plain Text - 55 B Deposited Mar 16, 2023 MD5: 5e8...538	Download

See also

- [datalad.org](https://data-lad.org)
- handbook.datalad.org
- docs.datalad.org/projects/dataverse
- data.fz-juelich.de/guide/juelich/
- dataverse.org



Technologies for distributed data management – Call for contributions open

<https://distribits.live> -- fosstodon.org/@distribits/