



TECHNISCHE
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TU Data

- the FAIR data repository of TU Wien

*Contact: research.data@tuwien.ac.at
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What is TU Data? [1]

- Institutional data repository for storing, sharing and publishing research data
- Provided by the TU Wien Center for Research Data Management and hosted by TU.it
- Accessible by everybody within the legal rights
- Free upload as an exclusive service for active members of TU Wien (authentication via TU SSO)
 - External persons have to apply
- Open for all kind of research data in any formats
 - Per default: record size up to 50 GB
 - Larger records on request
- Target: implement a FAIR repository

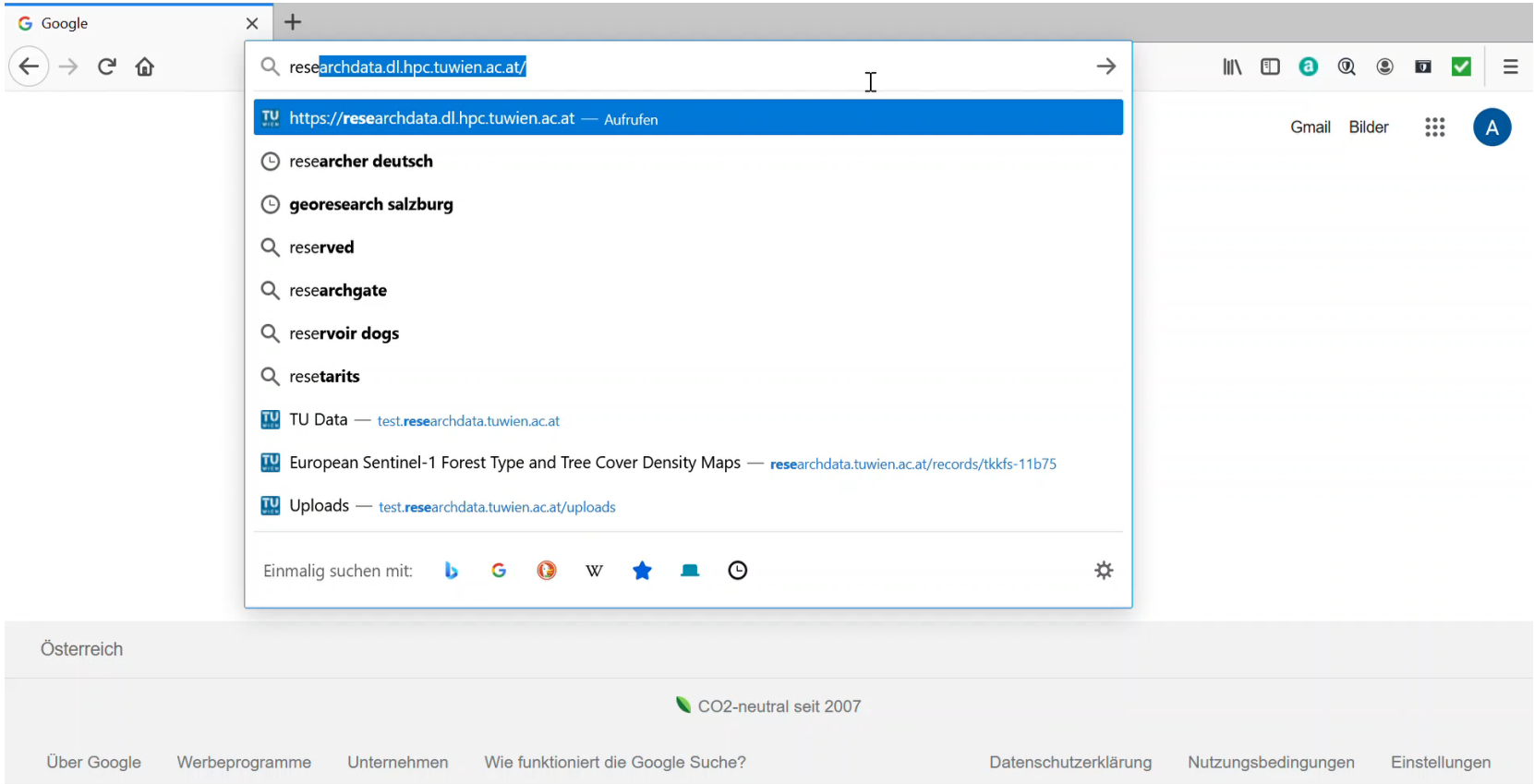
The FAIR Principles [2]



Legal Aspects [3]

- Access: use of content does not transfer any rights
- Ownership: unaffected from up- or downloads
- Responsibility: creators and/or right holders guarantee compliance with Terms of Use and applicable laws (e.g. privacy, data protection, copyright)

TU Wien provides a free and open data infrastructure to all its members. In return, the users are expected to follow the Terms of Use and respect existing rights.



The screenshot shows a Google search interface. The search bar contains the text "researchdata.dl.hpc.tuwien.ac.at". Below the search bar, a dropdown menu displays several search results, including "researcher deutsch", "georesearch salzburg", "reserved", "researchgate", "reservoir dogs", "resetarits", "TU Data", "European Sentinel-1 Forest Type and Tree Cover Density Maps", and "Uploads". The "TU Data" result is highlighted. Below the search results, there are links for "Über Google", "Werbeprogramme", "Unternehmen", "Wie funktioniert die Google Suche?", "Datenschutzerklärung", "Nutzungsbedingungen", and "Einstellungen".

Österreich

CO2-neutral seit 2007

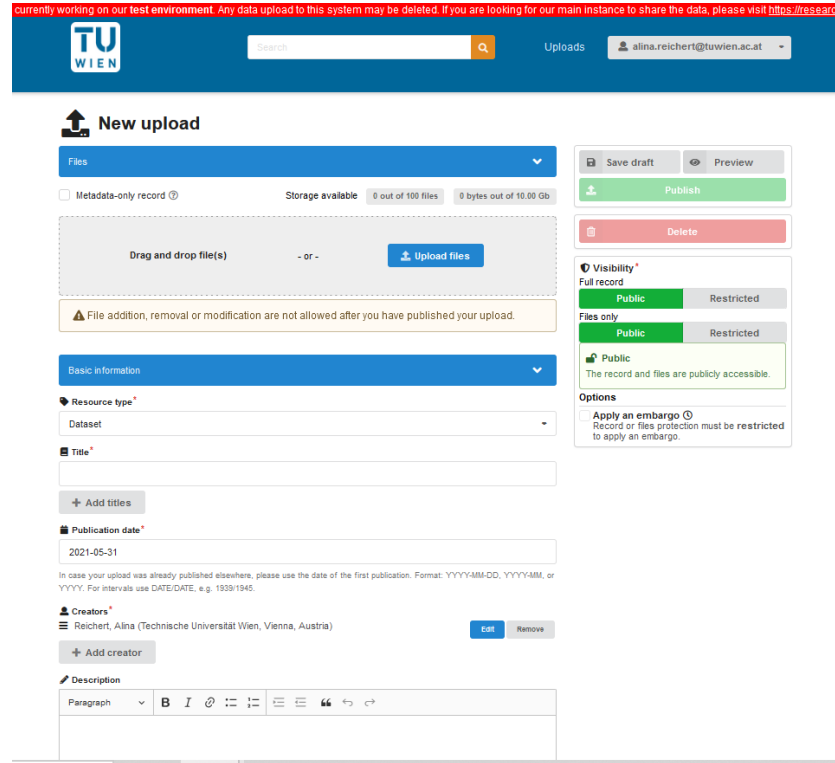
Über Google Werbeprogramme Unternehmen Wie funktioniert die Google Suche? Datenschutzerklärung Nutzungsbedingungen Einstellungen

<https://researchdata.tuwien.ac.at>

<https://test.researchdata.tuwien.ac.at>

- Graphical User Interface
 - Log in with TU Wien SSO
 - Button „Uploads“ – „New upload“
 - Specify parameters (drop down menus and free text)
 - Upload files (search local directory or use drag-and-drop)
- Command Line
 - Under development
 - API already exists

currently working on our test environment. Any data upload to this system may be deleted. If you are looking for our main instance to share the data, please visit <https://researchdata.tuwien.ac.at>



The screenshot shows the 'New upload' page of the TU Wien research data repository. The interface is divided into several sections:

- Header:** TU WIEN logo, a search bar, and a user profile dropdown showing 'alina.reichert@tuwien.ac.at'.
- New upload section:**
 - A 'Files' dropdown menu.
 - Storage status: '0 out of 100 files', '0 bytes out of 10.00 Gb'.
 - A drag-and-drop area with the text 'Drag and drop file(s)' and an 'Upload files' button.
 - A warning message: 'File addition, removal or modification are not allowed after you have published your upload.'
- Basic information section:**
 - 'Resource type' dropdown set to 'Dataset'.
 - 'Title' field with an 'Add titles' button.
 - 'Publication date' field set to '2021-05-31'.
 - A note: 'In case your upload was already published elsewhere, please use the date of the first publication. Format: YYYY-MM-DD, YYYY-MM, or YYYY. For intervals use DATE/DATE, e.g. 1939-1945.'
 - 'Creators' section showing 'Reichert, Alina (Technische Universität Wien, Vienna, Austria)' with 'Edit' and 'Remove' buttons.
 - An 'Add creator' button.
- Options section:**
 - 'Visibility' section with 'Full record' and 'Files only' tabs, each with 'Public' and 'Restricted' options.
 - 'Apply an embargo' section with a note: 'Record or files protection must be restricted to apply an embargo.'
- Description section:** A rich text editor with a toolbar showing 'Paragraph', 'B' (bold), 'I' (italic), 'Link', 'List', 'Table', 'Quote', 'Image', and 'Undo' buttons.

<https://test.researchdata.tuwien.ac.at>
– test-instance for trying and exploring

Planned Features [4]



Self-upload

Upload content directly using the graphical user interface.



Showcase for project output

Create your "Communities" with a collection of datasets and supplementary materials.



GitLab integration

Easily preserve your GitLab repository in TU Data and get a DOI for your code.



Usage statistics

All uploads display standards compliant with usage statistics.



Upload rights for external users

Offer TU Data as repository for cross-university and international collaboration.

Who Benefits?

- Researchers:
 - free and easy-to-use system for storage, publication and preservation (DOI)
 - increase of scientific reach (visibility, citation, cooperation)
 - encouragement for funders to financially support projects
 - establishment of standards for data storage, publication and further usage
 - enabling peer review of data with restricted access (share by link)
 - support by the Center for RDM in case of questions or insecurities
- Students:
 - access to well documented data with clearly defined copyright
- University:
 - more citations → higher reputation amongst the other universities, more funding

Thank you for your attention!

Interested in doing your own uploads?

Start exploring on <https://test.researchdata.tuwien.ac.at>
and provide your feedback to research.data@tuwien.ac.at

[1]

https://researchdata.tuwien.ac.at/static/documents/TU_Data_Policy_20210511_en.pdf

[2] Miksa, Tomasz: FAIR principles. 194.044 Data Stewardship. 2021-FAIR.pdf.

[3]

https://researchdata.tuwien.ac.at/static/documents/TU_Data_Terms_of_Use_20210511_en.pdf

[4] <https://researchdata.tuwien.ac.at>