Services for Open Science

Open Science Day – We dare to open science
TU Wien – June 3rd 2025

DAVIS as Open Infrastructure

DAVIS as Open Infrastructure

- Data Visualisation Space

- In operation since 2024

- Open Infrastructure for

  - Teaching
  - Science communication
  - Third mission

© KURT HÖRBST

Complementary hardware

- Touchwall: Multiuser Touchscreen
  - „Casual" Visualisation of research and teaching activities @ TU Wien
- 3D Wall: Stereo 3D Visualisation
  - Immersive VR for max 20 persons
- Open resources
  - List of compatible software
  - Content templates
  - Open documentation
 - Support for Teachers & Students

© KURT HÖRBST

Citizen Science

Citizen Science

- Our Citizen Science (CS) services are grounded in the JPI Urban Europe project *OPUSH (Open Urban Sustainability Hubs) &* its outcomes directly shape our support offerings

- There is no one-size-fits-all in CS:
  We help researchers find model that best fits their goals and context.

- Support can be in the areas of research ethics and informed consent, community buliding and outreach, (citizen) data management, open data, impact assessment and evaluation, etc.
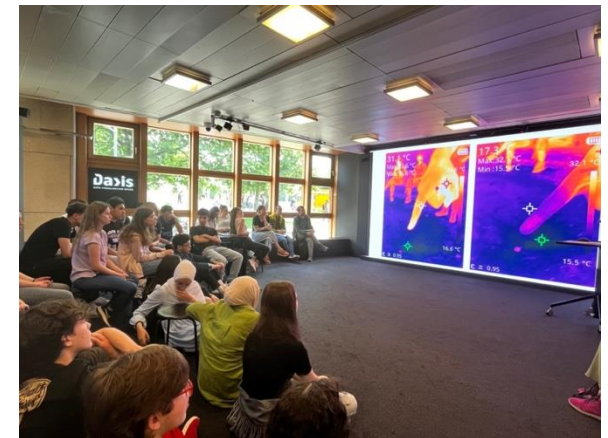
© ROSWITHA PEINTNER

Citizen Science

- Course for Master and PhD-students starting WS2025:

    Wissenschaft und Gesellschaft im Dialog

    (Science in Society)

- Contact me for a lunch-talk: sebastian.harnacker@tuwien.ac.at

- More information: https://www.tuwien.at/bibliothek/citizen-science

© DOROTTYA VARGA

Open Access Publishing

**Open Access Policy
der TU Wien**

Open Access Publishing

"TU Wien expects all its members to make their publications and research results available as open access contributions"

"[…] all academic work […] will be made available in a suitable repository in its entirety. The authors are responsible for handing over the digital full texts for secondary publication."

TU Wien Open Access Policy (english Version)

Deposit your work

- **reposiTUm** – institutional repository
- make your research **openly accessible** as primary / secondary publication
- advice on legal issues

Open Access Journal Finder

https://oajf.tuwien.ac.at/

Check **before submitting** your paper!

OA funding options

- **OA publishing agreements**
  - OA journals
  - (OA) journals as part of transformative agreements
- **OA funding application TUW** (publication fund)
- **OA funding application FWF** (FWF OA block grant)

TU Wien Academic Press

TECHNISCHE UNIVERSITÄT WIEN

TU Wien Academic Press

Our Mission

We are an **open access publisher** and promote an 'Open Science' publication culture.

Open access:

- provides worldwide and free access to scientific publications
- offers a citation advantage via higher number of downloads and page views
- provides more knowledge transfer than traditionally published research

TU Wien
Academic Press

Our Service

- Free and accessible to all members of TU Wien

- Operating on a non-profit basis

- High scientific integrity and high academic quality

- Professional support

- Published under CC-Licences

- Exploitation rights remain with the authors

- Accessible long-term and archived in the reposiTUm

TU Wien
Academic Press

We guarantee quality assurance

Pre-Project	Quality assurance	Book Design	Marketing & Sales
▪ Publisher and author contract ▪ Clarification of licences Submission manuscript (v1)	▪ Provision of metadata and DOIs ▪ Peer Review: from triple blind to open ▪ Plagiarism check ▪ Proofreading Manuscript (v2)	▪ Accessible ▪ E-books ▪ Print as an option	▪ ReposiTUm ▪ VLB, Google books ▪ Book presentations ▪ Participation in book fairs ▪ Management of book sales

TU Wien
Academic Press

Our Focus

The portfolio ranges from

- architecture, urban and spatial planning,

- climate and energy,

- computer science,

- artificial intelligence to

- works related to Vienna and the region of Central and Southeastern Europe

TU Wien
Academic Press

TECHNISCHE UNIVERSITÄT WIEN

Wissen vernetzen. Zukunft gestalten.

Get more information:
tuwien.at/academicpress/en/

academicpress@tuwien.ac.at
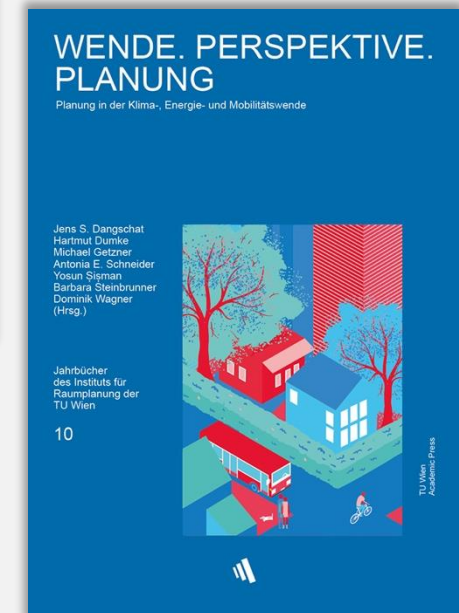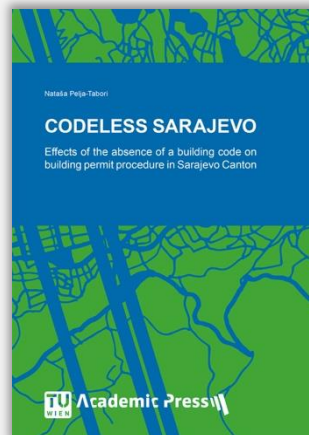
TU Wien
Academic Press

Journal Hosting

Journal Hosting

- **Requirements:**
  - Mid-/Longterm connection to TU Wien
  - Open Access
  - Not-for-Profit
- **Our Offer:**
  - Infrastructure for hosting journals or proceedings
  - Servicing the journal/proceedings web portal
    - Janeway (incl. optional integrated peer review system)
  - **Not included:** editorial activities

Journal Hosting

- Own subdomain
  - *.tuwien.ac.at
  - Own domain possible
    - Must be self-organized

- Structured display
  - Sorted by volume/issue/year

- Addtional pages (e.g. imprint)

Volume 51 • Ausgabe 1 • 2025

Special Issue: Transformative Mobilität
04.Apr.2025

Downloads
⬇ Ausgabe herunterladen

Ausgabenarchiv
- Volume 51 • Ausgabe 1 • 2025
- Volume 50 • Ausgabe 1/2 • 2024
- Volume 49 • Ausgabe 2 • 2023
- Volume 49 • Ausgabe 1 • 2023
- Volume 48 • Ausgabe 2 • 2022
- Volume 48 • Ausgabe 1 • 2022
- Volume 47 • Ausgabe 2 • 2021
- Volume 47 • Ausgabe 1 • 2021
- Volume 46 • Ausgabe 2 • 2020
- Volume 46 • Ausgabe 1 • 2020
- Volume 45 • Ausgabe 2 • 2019
- Volume 45 • Ausgabe 1 • 2019
- Volume 44 • Ausgabe 3 • 2018
- Volume 44 • Ausgabe 2 • 2018
- Volume 44 • Ausgabe 1 • 2018
- Volume 43 • Ausgabe 2 • 2017
- Volume 43 • Ausgabe 1 • 2017
- Volume 42 • Ausgabe 2 • 2016
- Volume 42 • Ausgabe 1 • 2016
- Volume 41 • Ausgabe 2 • 2015
- Volume 41 • Ausgabe 1 • 2015
- Volume 40 • Ausgabe 3/4 • 2014
- Volume 40 • Ausgabe 2 • 2014
- Volume 40 • Ausgabe 1 • 2014
- Volume 39 • Ausgabe 4 • 2013
- Volume 39 • Ausgabe 3 • 2013
- Volume 39 • Ausgabe 1/2 • 2013

Impressum

Inhalt

Editorial
Renner, Anna-Theresa

Einleitung zum Special Issue
Bürbaumer, Magdalena ; Berger, Martin

Beiträge

How to maintain an urban Mobility Lab in the long term?
Breitfuss, Bert
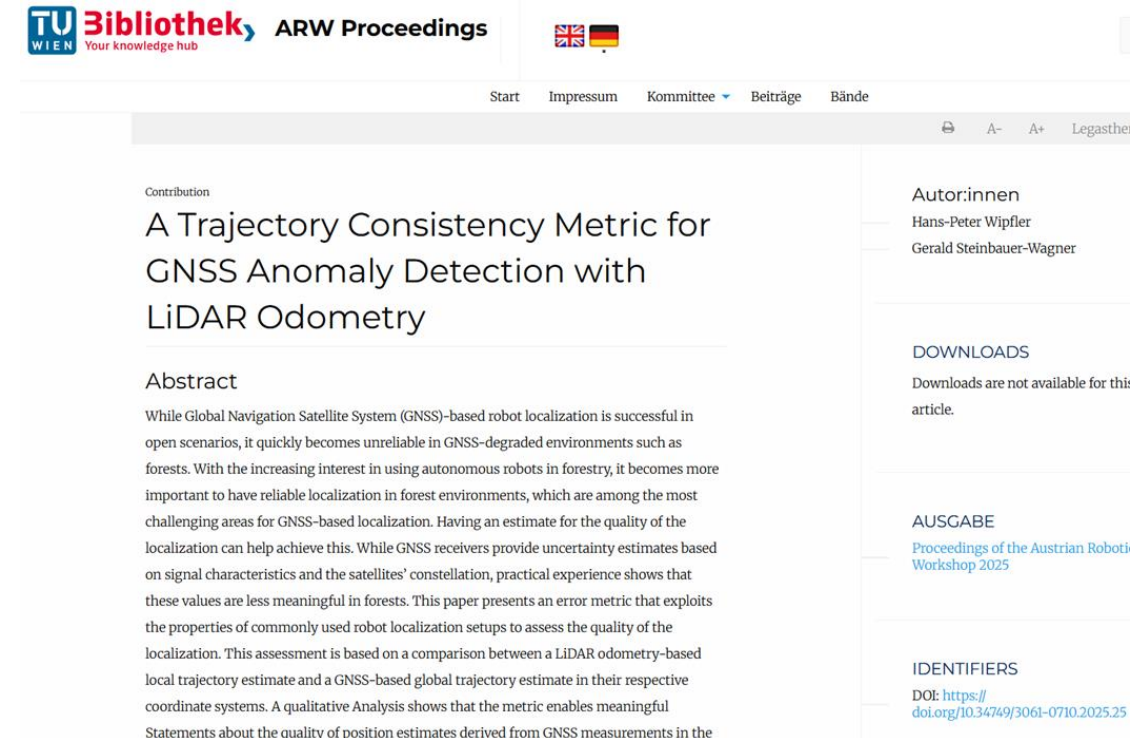
land.mobil:LAB – Vorhandenes clever vernetzen: Die

DER ÖFFENTLICHE SEKTOR
THE PUBLIC SECTOR

Special Issue Transformative Mobilität

1|2025

Journal Hosting

- **DOAJ-Compliant Infrastructure**
  - Curated metadata
  - Technical aspects

- **DOI registration**
  - Every article/contribution
  - Volume possible

- **PDF/XML possible**

Recognising Predatory Publishing

Recognising Predatory Publishing – The Good, the Bad, the Inbetween

DER STANDARD

PHILIPPE NARVAL

Wissenschaft im Hamsterrad

Warum unterwerfen sich die meisten Wissenschafterinnen und Wissenschafter der Tyrannei des Publizierens?

Kolumne / Philippe Narval
12. Juni 2023, 10:00, 108 Postings

Josef B. Trug ist jetzt Wissenschaftler

So einfach ist es, auf einer Fake-Science-Konferenz zu betrügen. Ein Selbstversuch

GÜNTHER MAYR
MEDIEN, FALTER 32/2018 VOM 07.08.2018

THE WALL STREET JOURNAL.

EXCLUSIVE

Flood of Fake Science Forces Multiple Journal Closures

Wiley to shutter 19 more journals, some tainted by fraud

KLEINE ZEITUNG ⊕ UNIVERSITÄT GRAZ

Wirbel um getürkte Konferenzen

Die Teilnahme an internationalen Konferenzen "in dubiosem Umfeld" brachte Uni-Dekan in Bedrängnis. Die Uni richtete eine Arbeitsgruppe ein, die Vorwürfe wurden nicht bestätigt.

University World News

End paper mills menace to protect research integrity

Maina Waruru 10 June 2024

Recognising Predatory Publishing – The Good, the Bad, the Inbetween

- "Predatory publishers or journals are those which <mark>charge authors a fee for publication</mark> with <mark>no intention of providing the expected services</mark> – <mark>such as editorial or peer review</mark> – in return. Charging a fee is a legitimate business model, but the publisher should be providing a good publishing service in return. Authors, realising that they have submitted their paper to a questionable publisher, can find they are <mark>charged a large fee if they want to withdraw</mark> their article."

HTTPS://THINKCHECKSUBMIT.ORG/RESOURCES/ABOUT-PREDATORY-PUBLISHING/

The good, the bad, the inbetween
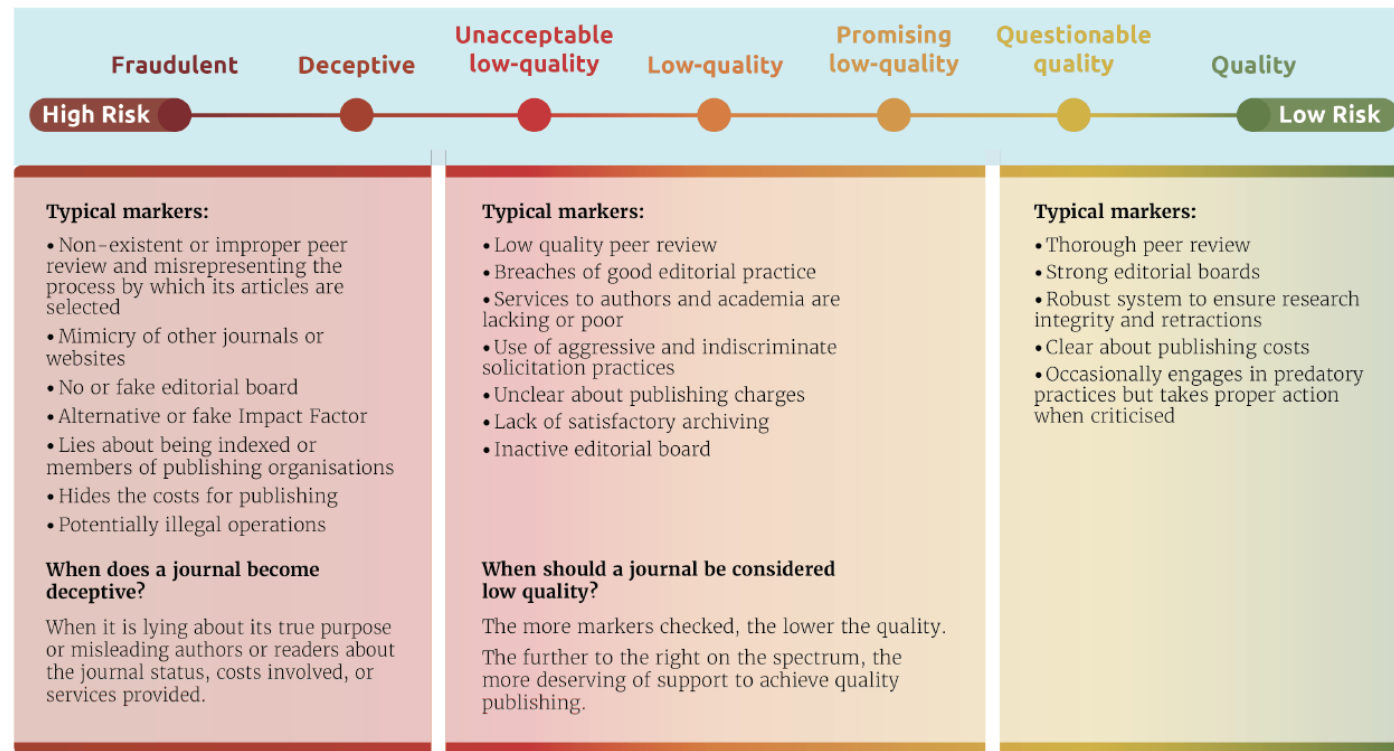
IAP (2022), Combatting Predatory Academic Journals and Conferences. https://www.interacademies.org/project/predatorypublishing

Speaking about Predatory Publishing Presentation vs Facilitation

- „Experts" vs „Students"
- Presenter speaks most of the time
- Curriculum with learning objectives
- Knowledge package
- Closed process

- Everybody has knowledge to contribute
- Facilitator speaks less than group
- Questions to be discussed together; Listening and learning from each other
- Knowledge exchange
- Ongoing process

Facilitation

- So far, TU Wien Bibliothek had co-organised several facilitation events regarding Predatory Publishing in Austrian university libraries, one of them at TU Wien Bibliothek in November 2024 with ~ 40 participants

© LEONHARD SUCHENWIRTH

PID-Service

PID-Service

What is the safest way to ensure people get <u>id</u>entified correctly in a database? **Correct!** Assign them an ID.

ZIEDORN, F. (2025). ICONS FOR 10 PID USE CASES (1.0). ZENODO. <u>HTTPS://DOI.ORG/10.5281/ZENODO.15173234</u>. This work is openly licensed via CC0.

Name Ambiguity

- **Example:** Two researchers with the same name at TU Wien

- **Challenge:** Name ambiguity (name disambiguation)

- **Solution:** Assign unique IDs to ensure correct identification

Mitarbeiter_innen (77 Treffer)

Schmid Ulrich Univ.Prof. Dipl.-Phys. Dr.rer.nat. (E056-15, E366, E366-01, E366-02, E366-50, E902)

Schmid Ulrich Univ.Prof. Dipl.-Ing. Dr.techn. (E191-02, E902-02)

Schmid Silvan Univ.Prof. Dr.sc. (E350, E366-01, E399-01)

Schmid Raphaela (E105-02, E105-50)

Schmid Elisabeth (E007-01-3)

Schmid Alexander Dipl.-Ing. (E330-02)

ORCID ID: Advantages and Functions

- **Persistent identifier** accompanying researchers throughout their careers
- **Independent** of location, position, or name changes (marriage, divorce, etc.)
- **Guarantees** correct attribution and acknowledgment of academic contributions

WE SUPPORT YOU: Assistance in creating and linking ORCID iDs with TISS, offering workshops and hands-on training sessions

ORCID Austria Consortium & DOI Service Austria – the role of TU Wien Library

- **Co-founder** and **consortium lead** of ORCID AUSTRIA

- Leading the DOI Service Austria and enabling **Austrian institutions** to register and use DOIs by DataCite for stable online retrieval of academic output

- Since July 2020: Assigning DOIs to all documents in the institutional repository **reposiTUm**

Text- and Data Mining

Oportunities

- Unlocking information and insights on a large scale.
- Analyse tons of resources.
- Formalised approaches to analytics
- Use the TU Library capacity and licensed products

Open up TDM literacy

- The ability to understand and use TDM techniques effectively to analyse large amounts of textual data

Steer to TDM resources and limitiation (e.g. copyright and lizenses)

- We provide an overview for smooth access, resources and organisational support

Text- and Data Mining

Use this oportunities

- get in contact to us
- be prepared for TDM exercises and classes

Let's set up an dynamical offer

- share, link and publish your use cases, teaching material, tool boxes, process chain from ETL, NLP, information retrieval, LLM, etc.

Thank You !

Chris Schubert
TU Wien, University of Technology Vienna,
Head of Media Management & Library-IT

chris.schubert@tuwien.ac.at

TU Wien Research Data Repository

TU Wien Research Data

"Zenodo at home"

→ for research **data**

https://researchdata.tuwien.ac.at
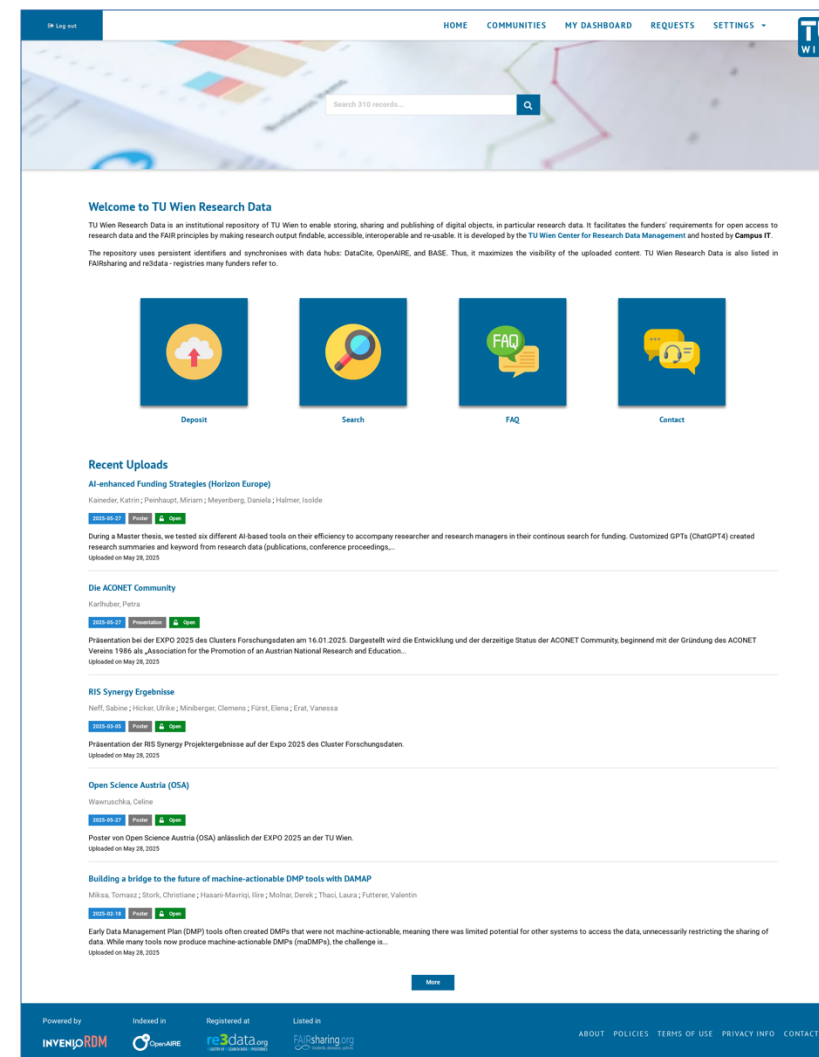
TU Wien Research Data

More focus on curation & longevity than Zenodo

- Location-redundant storage + backups
- Mandatory reviews before publishing data
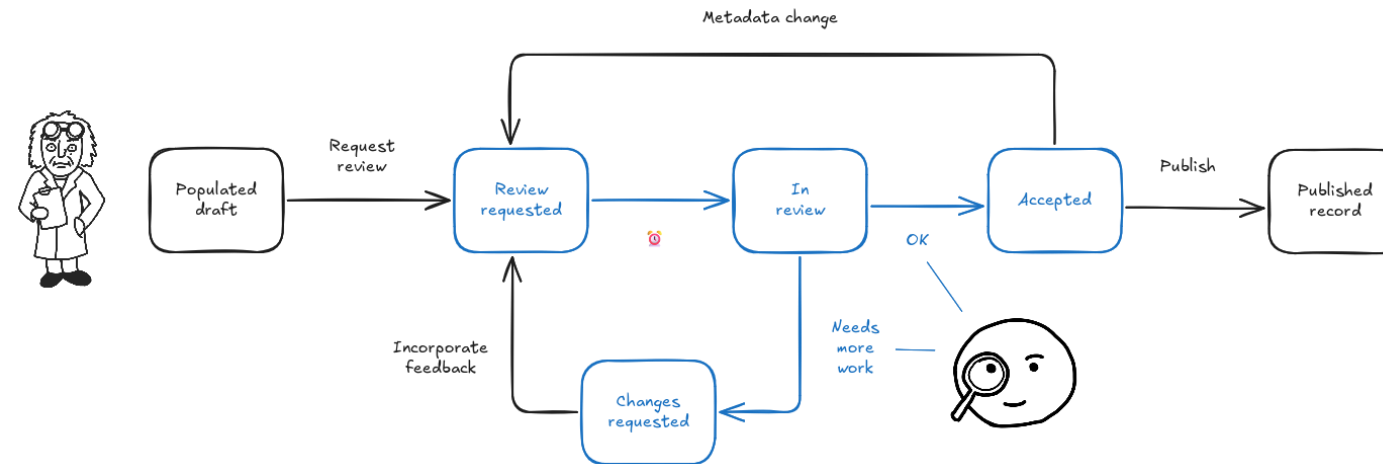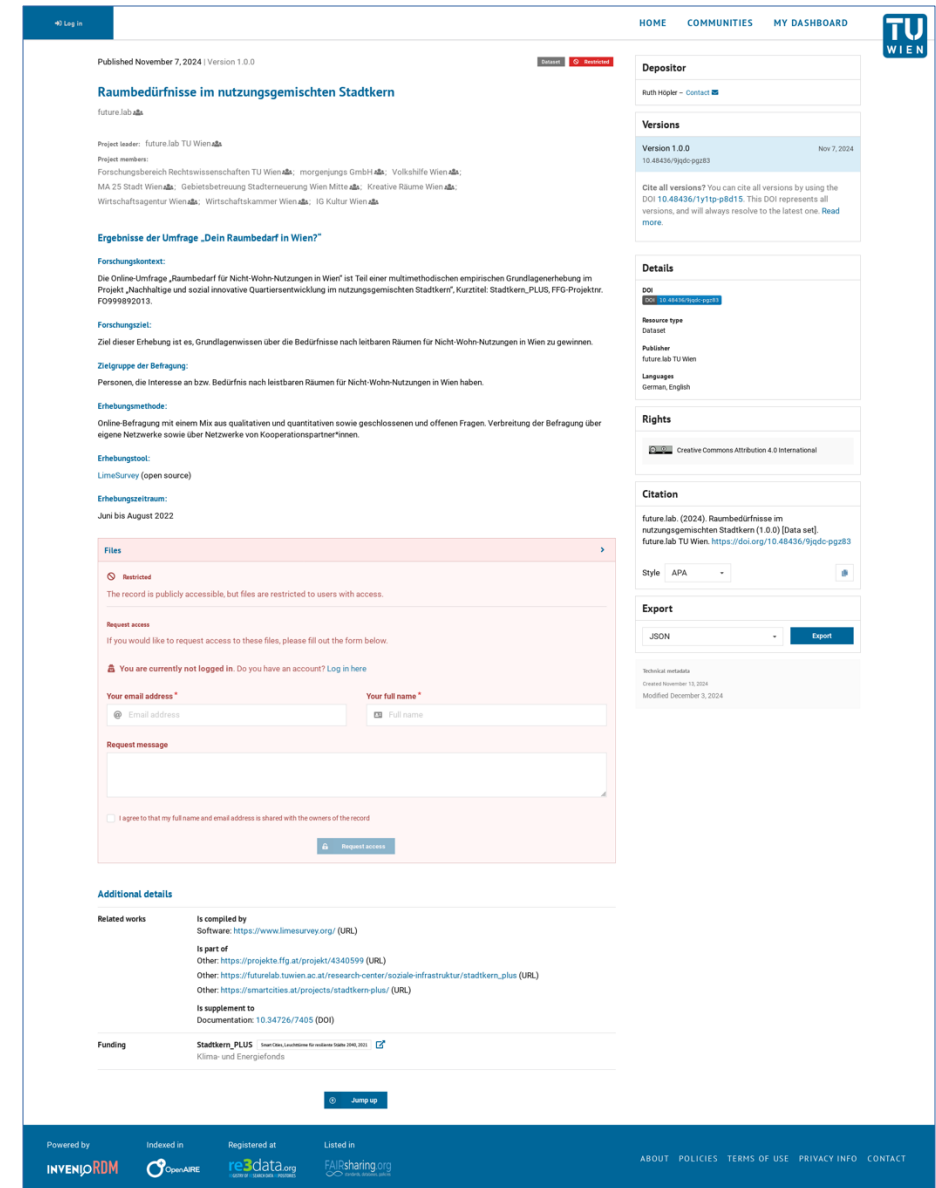
TU Wien Research Data

Not only for *public* data

Record visibility settings

restricted
17.0%

83.0%
public

Total: 294 records

TU Wien Research Data

Has various sharing mechanisms

- Communities
- Share with accounts
- Share by link
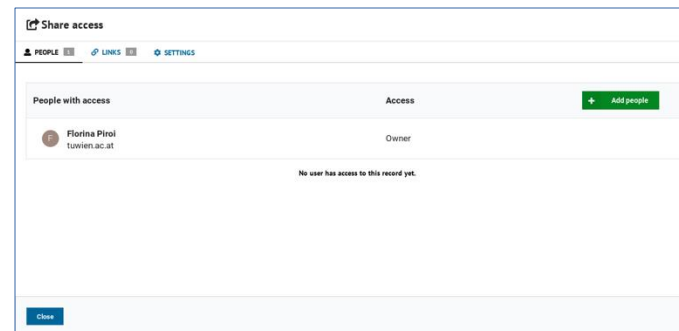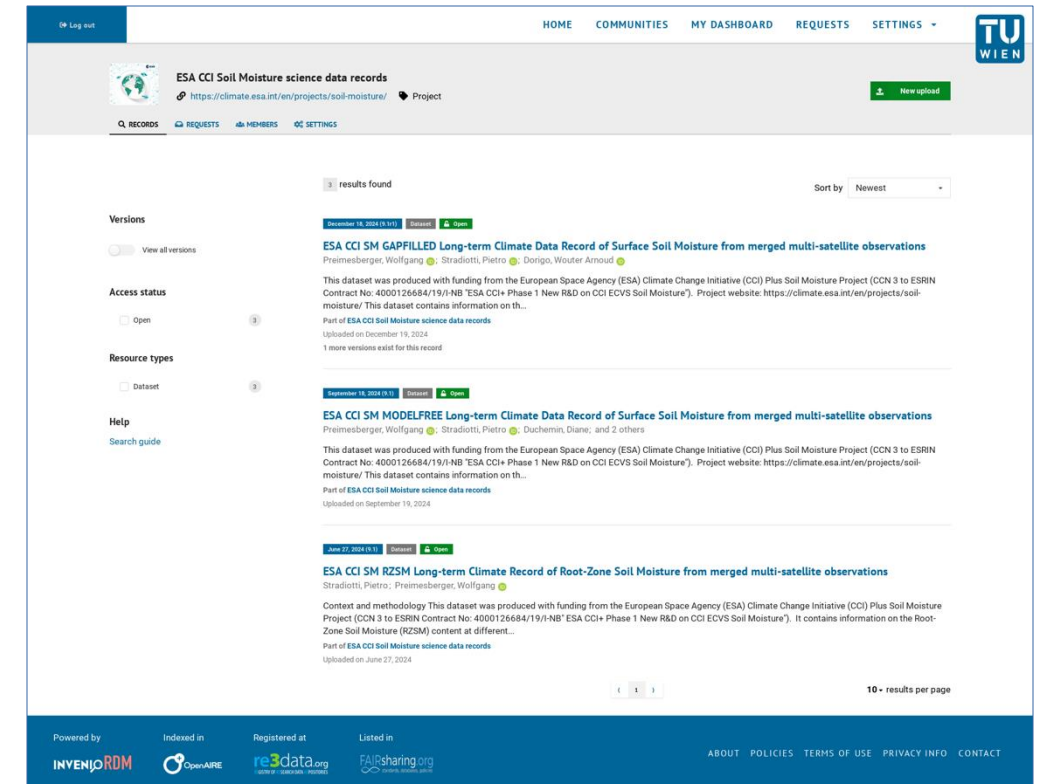
TU Wien Research Data

Open source code:
👦💻 **https://gitlab.tuwien.ac.at/crdm/**

Have coffee with us:
☕ Favoritenstraße 16, top floor

Contact for Services

Contact for Services

- **Data Visualization Space – Davis**
Doron Goldfarb, TU Wien Library, doron.goldfarb@tuwien.ac.at

- **Citizen Science**
Sebastian Harnacker, TU Wien Library, sebastian.harnacker@tuwien.ac.at

- **Open Access Publishing**
Katharina Heinz, TU Wien Library, katharina.heinz@tuwien.ac.at

- **TU Wien Academic Press,** Silvia Ziemkendorf/Agathe Habacher, TU Wien Library, academicpress@tuwien.ac.at

- **Journal Hosting**
David Krassnig, TU Wien Library, david.krassnig@tuwien.ac.at

Contact for Services

- **Recognising Predatory Publishing**
  Leonhard Suchenwirth, TU Wien Library, leonhard.suchenwirth@tuwien.ac.at

- **PID-Services**
  Matthias Heni, TU Wien Library, matthias.heni@tuwien.ac.at

- **Text- and Data Mining**
  Chris Schubert, TU Wien Library, chris.schubert@tuwien.ac.at

- **TU Wien Research Data Repository**
  Maximilian Moser, Center for Research Data Management
  maximilian.moser@tuwien.ac.at

TECHNISCHE UNIVERSITÄT WIEN

Thank you!