

FAIR2environment

Fächerübergreifendes Teilen und Nutzen von
Umweltdaten an der TU Wien

Open data in European research environment

- EU's open science policy
 - Horizon Europe → “Excellence” criterion & “Quality of implementation” criterion
 - Excellence criterion: describing open science practices + research data / output management
 - Quality of implementation: capacity of participants + list of achievements
 - *“Beneficiaries must manage the digital research data generated in the action responsibly, in line with the FAIR principles”*

FAIR: Findable, Accessible, Interoperable, Reusable

Open data in European research environment

- EU's open science policy
 - (EU) 2019/1024 on open data and the re-use of public sector information
 - Definition of "*high-value datasets*" of important benefits for society + economy
 - To ensure their availability "*free of charge, in machine readable formats, provided via Application Programming Interfaces (APIs) and, where relevant, as bulk download*"
 - Thematic categories of high-value datasets:
 1. Geospatial
 2. Earth observation and environment
 3. Meteorological
 4. Statistics
 5. Companies and company ownership
 6. Mobility

Open data in European research environment

- FWF
 - Open access to research data mandatory for funding (since Jan-19)
- FFG
 - Data management plan since Nov-20 → referring to FAIR principles

TU Wien open access policy

- Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities
 - Publications / research results → to publish in open access media / repositories
 - Academic work by employees / students entirely made available in a suitable repository
 - Employees should secure their lasting rights of use, in particular the right to self-archive in repositories, when concluding contracts with publishers
- → Where legally possible

FAIR Data Austria

- Project, funded by BMWFW
- Developing repository for research data, source code, etc.
- Incl. research data management, tailored to needs of different users
- Here adaptation of repository to needs of geodata
- Upload of geodata from different research groups
- Use cases e.g.: scientific publication, funded research / products, teaching, centralised purchasing

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

Versions

☐ View all versions

Access Status

☐ Open

☐ Embargoed

Resource Type

☐ Dataset

[Search guide](#)

January 19, 2021 (1.0)

Dataset

Open

View

European Sentinel-1 Forest Type and Tree Cover Density Maps

Dostalova, Alena, Cao, Senmao, Wagner, Wolfgang

This dataset was generated by the TU Wien Department of Geodesy and Geoinformation. European Sentinel-1 forest type and tree cover density maps represent first continental-scale forest layers based on Sentinel-1 C-Band Synthetic Aperture Radar (SAR) backscatter data. For the year 2017 they cover the majority of European continent with 10 m and 10...

Uploaded on January 19, 2021

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1

November 27, 2020 (1.0)

Dataset

Embargoed

View

The Sentinel-1 Global Backscatter Model (S1GBM) - Mapping Earth's Land Surface with C-Band Microwaves

Bauer-Marschallinger, Bernhard, Cao, Senmao, Navacchi, Claudio

This dataset was generated by the Remote Sensing Group of the TU Wien Department of Geodesy and Geoinformation (<https://mrs.geo.tuwien.ac.at/>), within a dedicated project by the European Space Agency (ESA). Rights are reserved with ESA. Open use is granted under the CC BY 4.0 license. With this dataset publication, we open up a new perspective on...

Uploaded on December 11, 2020

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October 24, 2019 (v1.0.0)

Dataset

Open

View

Problem Instances for 'Exact and Meta-Heuristic Approaches for Unrelated Parallel Machine Scheduling'

Moser, Maximilian, Musliu, Nysret, Schaerf, Andrea

This dataset contains the following instance sets from the Master's Thesis 'Exact and Meta-Heuristic Approaches for Unrelated Parallel

For adding more geodata ...

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