AUSTRIAN
ACADEMY OF
SCIENCES

ÖAW ÖSTERREICHISCHE
AKADEMIE DER
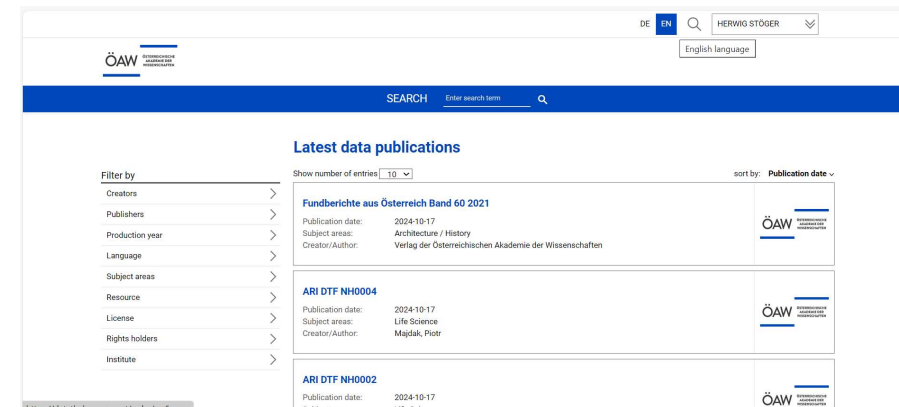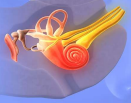WISSENSCHAFTEN

Login   DE | EN

DATATHEK

Research Data Repository

DATATHEK

- is a generic research data repository of the Austrian Academy of Sciences,
- provides you with the simple and convenient option for archiving and publishing your research data in a way that is visible and citable in the long term.
- live since November 2024, - currently "soft opening"-phase

datathek.oeaw.ac.at

datathek.oeaw.ac.at
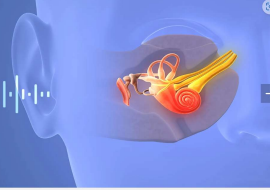
Who is involved?

- Triggered by the project SONICOM of the Acoustics Research Institute (PI: Piotr Majdak) with the goal to create an ecosystem of hearing-related research data

- Service is based on RADAR-software, set up and maintained by FIZ Karlsruhe, part of the Leibniz research organization and partner in the German National Research Data Infrastructure (NFDI).

- Server is operated and locally run by the Academy´s computing center (ARZ).

- Repository operated by Austrian Academy of Sciences Press (AASP). AASP has extensive experience in running the Academy´s institutional repository EPUB.OEAW since 2006.

Why DATATHEK?

Open Science paradigm, funders and research sponsors are increasingly obliging people to publish data in a way that is accessible to the general public – FAIR data.

Reasons for publishing data in the repository:
- You want to have a hand on the data and on usage rights
- There is no subject specific repository available
- You want to integrate repository services in your project or institute websites

What features does DATATHEK offer?

- All published data are given a DataCite-Digital Object Identifier (DOI). This allows them to be uniquely identified and cited globally.
- By publishing your data on DATATHEK, you will meet the data publication requirements of various research funding bodies.
- Peer review workflow option for data
- Authentication via Shibboleth

What features does DATATHEK offer?

- Interfaces to ORCiD, ROR, Crossref Funder Registry, GND, OpenStreetMap
- Well documented API
- Usage data, metrics
- Metadata export options include: JSON, Bibtex, Schema.org, Endnote and many more.
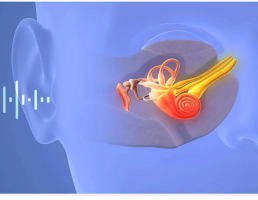- Indexing by OAI-PMH, RADARcloud, DataCite

What features does DATATHEK offer?

- You can submit your data with a flexible embargo function (publish on a delayed basis or never).
- FAIR data compatible

- Additional, disciplinary metadata possible

- WebDAV-import for batch uploads

- Github integration (import)

How does it work – rights and role concept
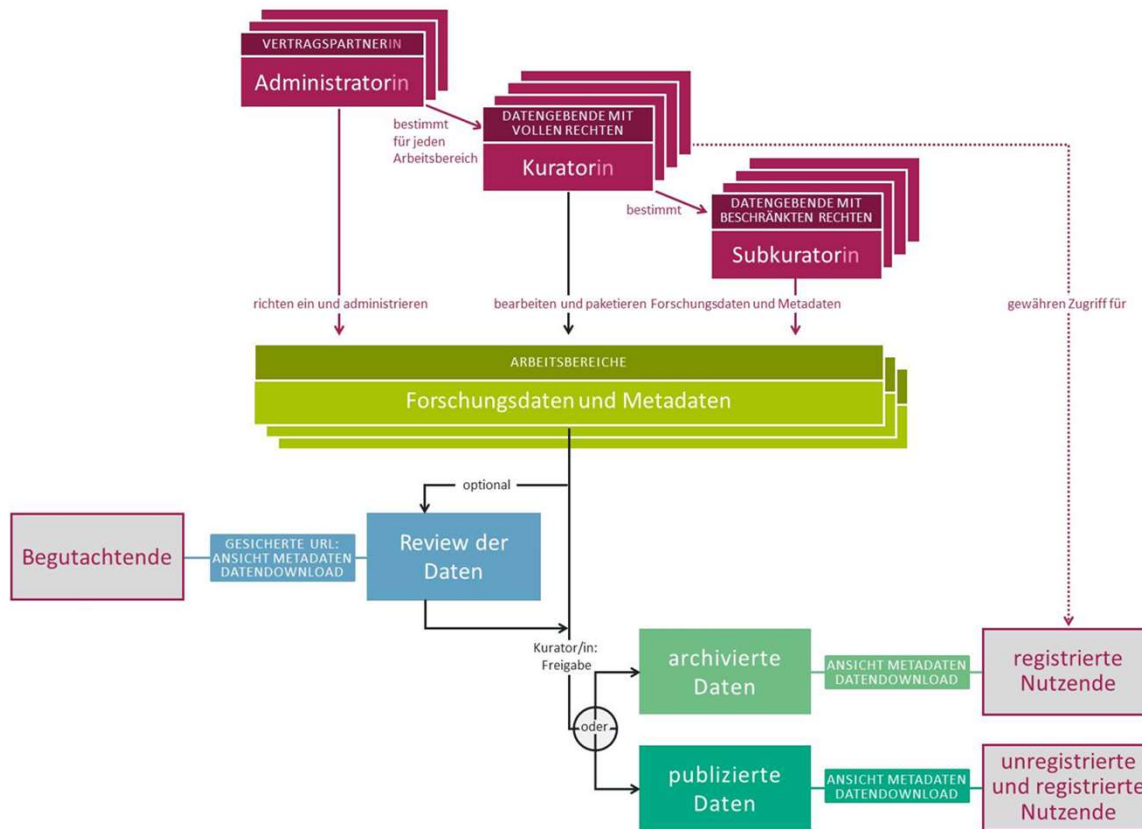
- **Administrators:** *(e.g. local Service Team)*
  manage DATATHEK environment, set up workspaces for teams, assign data providers etc.

- **Subcurators:** upload research data and describe with metadata

- **Curators:** same rights as subcurators,
  additionally archive, publish and let review datasets

How does it work - data provider´s view

How does it work - data provider´s view

How does it work - data provider´s view

How does it work – data provider´s view

How does it work?

- When publishing data, the DATATHEK -team will perform a formal curation. This ensures that your data is described according to common standards.

- Video tutorials, manuals, available

- Your data is physically stored on local servers at the Academy´s IT center and at an external ISO certified data center.

Data user´s view

You are here: Model results of solar extre...

Dataset: Model results of solar extreme scenarios with the KASIMA model

RADAR Metadata	Content	Statistics	Technical Metadata

Creator/Author:	Reddmann, Thomas (ID) https://orcid.org/0000-0003-1733-7016 [ROR Karlsruhe Institute of Technology]
Title:	Model results of solar extreme scenarios with the KASIMA model
Publishers:	Reddmann, Thomas (ID) https://orcid.org/0000-0003-1733-7016 ROR Karlsruhe Institute of Technology
Production year:	2022-2023
Subject areas:	Environmental Science and Ecology Physics Atmospheric physics Space science Health physics
Resource type:	Model
Publication year:	2023
Rights holders:	Reddmann, Thomas (ID) https://orcid.org/0000-0003-1733-7016 ROR Karlsruhe Institute of Technology

DOI: 10.35097/1104
Publication date: 2023-06-16

Download Dataset

DOWNLOAD (379.7 MB)

Download Metadata

RADAR ▼ DOWNLOAD

Statistics

104 Views   1 Downloads

Rights statement for the dataset

This work is licensed under
CC BY-NC 4.0

Cite Dataset

RADAR ▼ COPY

Reddmann, Thomas (2023): Model results of solar extreme scenarios with the KASIMA model. Reddmann, Thomas; Karlsruhe Institute of Technology. DOI: 10.35097/1104
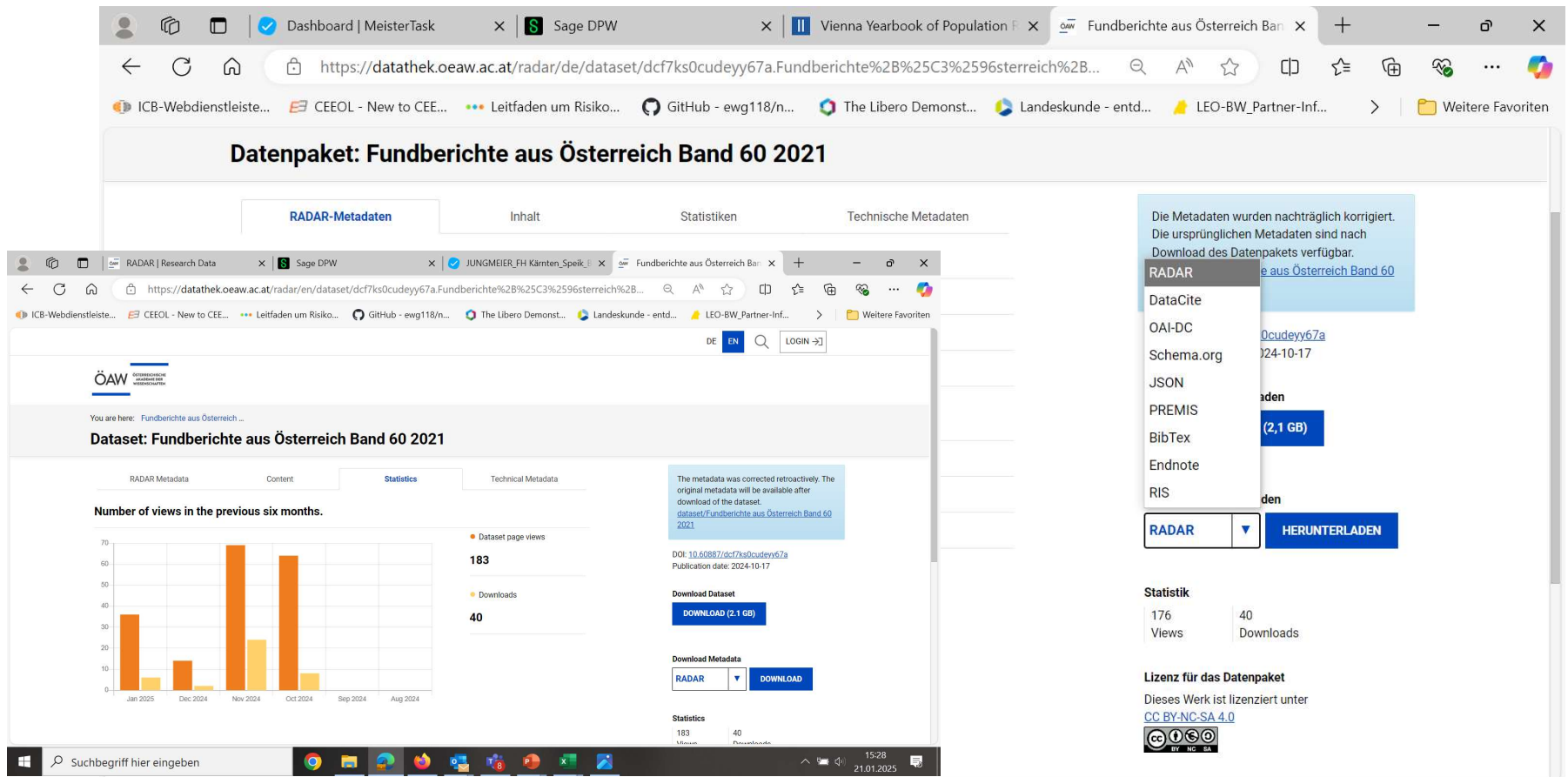
DOI

Download data (.tar)
acc. BagIt specificatio
Download metadata

Statistics

Rights statement

Citation

16

Data user´s view

System architecture
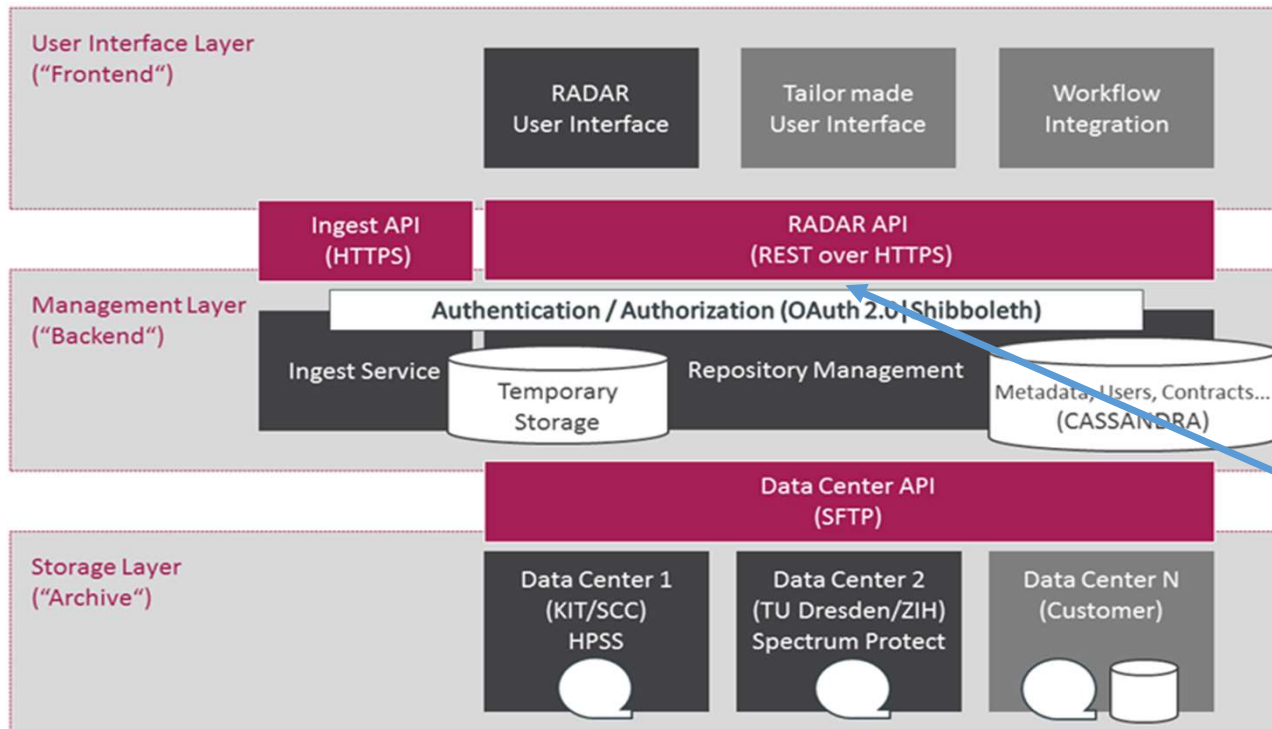
- Cassandra NoSQL database
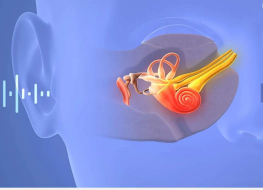
- Elastic search

- Orchestration
  - Docker Swarm
  - Config Mgmt using Ansible

- REST API for
  - Frontend
  - Backend

Thank you!

- People:

    Herwig Stöger, herwig.stoeger@oeaw.ac.at , DW 3405

    Georg Lasinger, georg.lasinger@oeaw.ac.at, DW 3415

- Office:

    Bäckerstrasse 13, 1010 Wien, T 0043 1 51581 3405