

ÖAW

AUSTRIAN
ACADEMY OF
SCIENCES

ÖAW
ÖSTERREICHISCHE
AKADEMIE DER
WISSENSCHAFTEN

Login **DE** | EN

DATATHEK

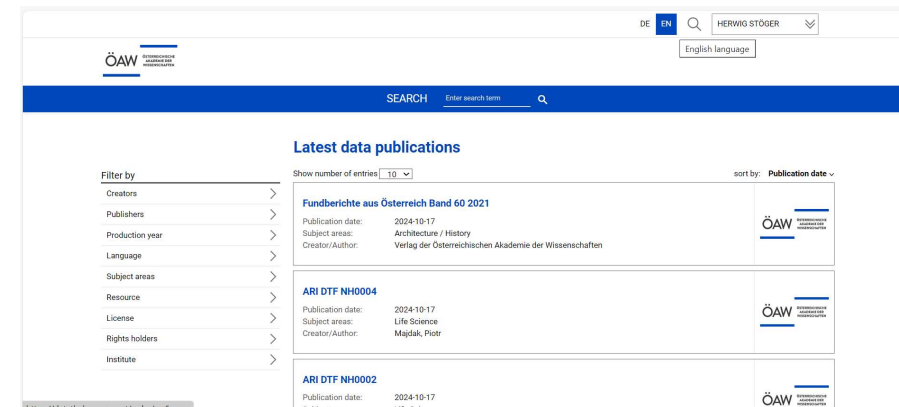


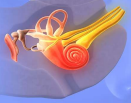
Research Data Repository



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

ÖAW ÖSTERREICHISCHE
AKADEMIE DER
WISSENSCHAFTEN Login DE | EN



DATATHEK


Das Forschungsdatenrepositorium der ÖAW

Suche

DATATHEK

ist ein interdisziplinäres Repository, das die Verifizierung sowie die Publikation von Forschungsergebnissen ermöglicht. Im Fokus stehen Forschungsdaten aus
Fächern, in denen noch keine eigenen, disziplinspezifischen Infrastrukturen für das Forschungsdatenmanagement existieren. Der Dienst richtet sich primär an
Mitarbeiter:innen und Mitglieder der Österreichischen Akademie der Wissenschaften (ÖAW) sowie an alle, die Forschung in Kooperation mit Akademik:innen der ÖAW
betreiben.

Daten publizieren Markieren Sie sich an jeder Publikation	Daten durchsuchen Finden Sie Datensätze und filtern Sie die Ergebnisse	Nutzungs- bedingungen	Hilfe & Unterstützung	Quick Guide
--	--	----------------------------------	--------------------------------------	--------------------

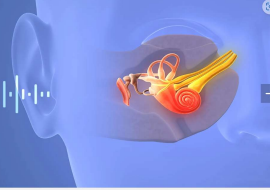
Bei Fragen und für Beratungen steht Ihnen das Team von DA-
TATHEK gerne zur Verfügung. 

datathek.oeaw.ac.at

The screenshot shows a web browser window with the URL <https://datathek.oeaw.ac.at/radar/en/home>. The page features a search bar with the text "SEARCH" and "Enter search term". Below the search bar, there is a section titled "Latest data publications". On the left side of this section, there is a "Filter by" menu with options: Creators, Publishers, Production year, Language, Subject areas, Resource, License, Rights holders, and Institute. To the right of the filters, there is a "Show number of entries" dropdown set to "10" and a "sort by: Publication date" dropdown. The main content area displays three publication entries, each with a title, publication date, subject areas, and creator/author information, along with the ÖAW logo.

Filter by	Show number of entries	sort by
Creators >	10	Publication date
Publishers >		
Production year >		
Language >		
Subject areas >		
Resource >		
License >		
Rights holders >		
Institute >		

Publication Title	Publication date	Subject areas	Creator/Author
Fundberichte aus Österreich Band 60 2021	2024-10-17	Architecture / History	Verlag der Österreichischen Akademie der Wissenschaften
ARI DTF NH0004	2024-10-17	Life Science	Majdak, Piotr
ARI DTF NH0002	2024-10-17		



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?

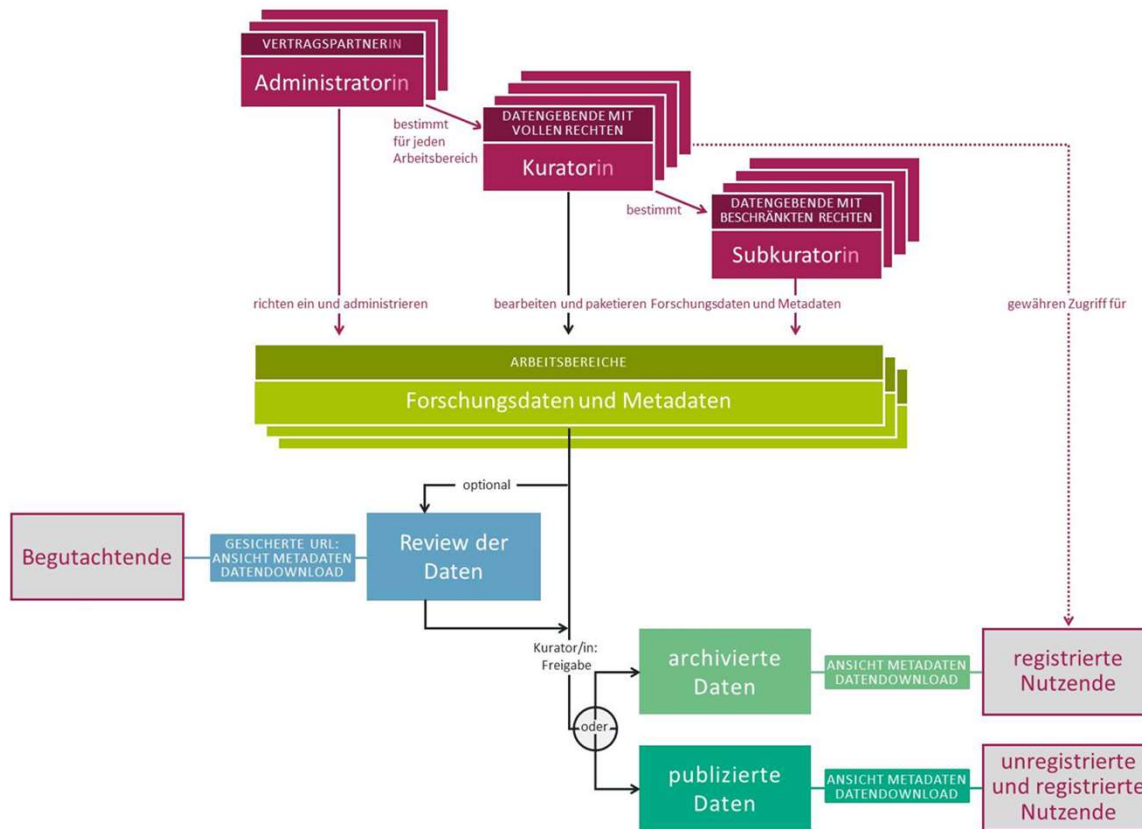
- Interfaces to ORCID, ROR, Crossref Funder Registry, GND, OpenStreetMap
- Well documented API
- Usage data, metrics
- Metadata export options include: JSON, Bibtex, Schema.org, Endnote and many more.
- Indexing by OAI-PMH, RADARcloud, DataCite



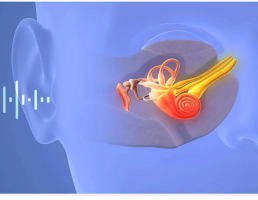
What features does DATATHEK offer?

- 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

Workspace: Institut für Schallforschung

Datasets

Preparing							Pending							In Review							Published							Archived						
Name	Retention period	Embargo ending	Total size	Size in Archive	Status	Action																												
ARI DTF NH0005	-	-	3.0 MB	0	Pending																													
ARI DTF NH0008	-	-	3.0 MB	0	Pending																													
ARI DTF NH0010	-	-	3.0 MB	0	Pending																													
ARI DTF NH0011	-	-	3.0 MB	0	Pending																													

CREATE DATASET

EDIT WORKSPACE

Workspace Information

Created on: 2024-09-27

Contract: ÖAW

Administrator(s): Thomas Jentzsch, Georg Lasinger, Herwig Stöger

Institutional website: <https://www.oeaw.ac.at/oe...>

Workspace Users & Roles



Log in to datathek.oeaw.ac.at with your user ID.

Login to

Login with a Datathek account

Username

Password

[Forgot password?](#)

LOGIN

Don't have an account? Sign up here.

Login via an Institution account

Select the Institution Name

WEITER

By clicking "PROCEED" you will be directed to the login page of your institution. There you can authenticate yourself via your institution account and will be logged in to Datathek.

Benutzername

Passwort

Anmelden



How does it work - data provider's view

Create Dataset

[Upload dataset](#) ⓘ [Create empty dataset](#) ⓘ [Create WebDAV dataset](#) ⓘ

Dataset name ⓘ

Select file ⓘ

Drag & Drop

[SELECT FILE](#)

[UPLOAD DATASET](#) [CANCEL](#)



How does it work - data provider's view

You are here: [My Dashboard](#) / [Institut für Schallforschung](#) / [ARI DTF NH0011](#)

Edit metadata

Mandatory fields for datasets are marked with *.

Persistent Identifier ⓘ


10.60887/axmr-v94tz7v1zydy

Optional fields: [Alternate identifier](#), [Related identifier](#)

*** Creator/Author** ⓘ

Person and affiliation (via suggestion list) ▼

Piotr Majdak

0000-0003-1511-6164  Find ORCID ID

Affiliation. Start typing and select the applicable institution from the list (Research Organization Registry, ROR).

Acoustics Research Institute <https://ror.org/04jd9f779> +

Optional fields: [Contributors](#)

*** Title** ⓘ

ARI DTF NH0011

Optional fields: [Additional titles](#), [Description](#), [Keywords](#), [Related information](#), [Language](#)


*** Publishers** ⓘ

Institution (via suggestion list) ▼

Please start typing and select the applicable institution from the list (Research Organization Registry, ROR).

Acoustics Research Institute <https://ror.org/04jd9f779> +

*** Production year** ⓘ






Drag & Drop your metadata XML file
or browse to upload data from your computer

Metadata example

How does it work – data provider's view

Sie sind hier: [Übersicht](#) / [Institut für Schallforschung](#) / [ARI DTF NH0011](#)

Datenpaket: ARI DTF NH0011

	RADAR-Metadaten	Inhalt	Technische Metadaten
Persistenter Identifikator:	(DOI) 10.60887/axmrv94tz7v1zy6y		
Alternativer Identifier:	-		
Verwandter Identifier:	-		
Ersteller/in:	Majdak, Piotr  https://orcid.org/0000-0003-1511-6164  Acoustics Research Institute		
Beitragende:	-		
Titel:	ARI DTF NH0011		
Weitere Titel:	-		
Beschreibung:	-		
Schlagworte:	-		
Zugehörige Informationen:	-		
Sprache:	-		
Herausgeber/in:	 Acoustics Research Institute		
Erstellungsjahr:	2013		
Fachgebiet:	Life Science		
Objekttyp:	(Other) (Dataset) DTF		
Datenquelle:	-		
Verwendete Software:	-		

Datenpaket Status: In Bearbeitung

-  ARCHIVIEREN
-  REVIEW
-  PUBLIZIEREN
-  DATENPAKET LÖSCHEN
-  PRÜFSUMMEN (MDS) HERUNT...
-  METADATEN BEARBEITEN

Metadaten herunterladen

RADAR  **HERUNTERLADEN**

Lizenz für das Datenpaket

Dieses Werk ist lizenziert unter

CC BY-NC-SA 4.0



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.

Rollen und Benutzerverwaltung

Registrieren und Anmelden
Rollen und Benutzerverwaltung
 Arbeitsbereiche anlegen
 Arbeitsbereiche nutzen
 Datenpakete erstellen
 Datenpakete mit Metadaten beschreiben
 Metadaten Standardwerte
 RADAR Testoption

Quickstart Guide DATATHEK

1. Registration / Login
 Log in to datathek.oeaw.ac.at with your user ID.

When you register for the first time, please provide the DATATHEK team, per email datathek@oeaw.ac.at with the following information so that you can be assigned a workspace:

- Full name
- Your responsible organizational unit (institute, project, commission, thematic focus, ...)

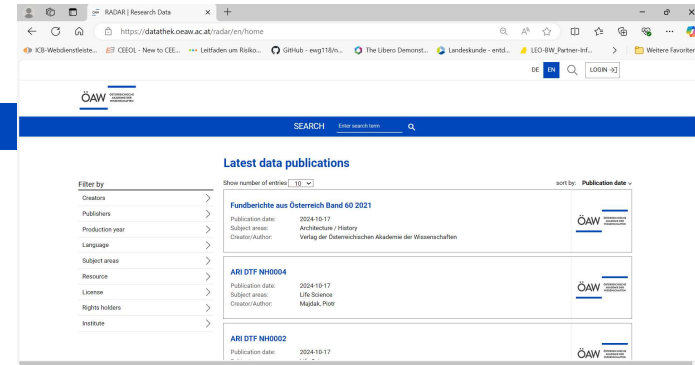
2. The Workspace

When you log in to DATATHEK, you can select any workspace assigned to you in the overview. Workspaces can be assigned to a person or a group. Within a workspace, all users assigned to this workspace have read and write access to the unpublished research and metadata stored in it.

Workspace	Role	Access
1	Administrator	Full Control
2	Kurator	Full Control
3	Sub-Kurator	Full Control
4	Registrierter Nutzer	Read Only

1 All data packages that have not yet been published can be found here.
 2 Data packages for which a review link has been generated can be found under „in Review“.
 3 Published research data can be found under the „Published“ tab.
 4 Archived data – information on this can be obtained from the DATATHEK team.

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 https://orcid.org/0000-0003-1733-7016 Karlsruhe Institute of Technology		
Title:	Model results of solar extreme scenarios with the KASIMA model		
Publishers:	Reddmann, Thomas https://orcid.org/0000-0003-1733-7016 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 https://orcid.org/0000-0003-1733-7016 Karlsruhe Institute of Technology		

DOI: [10.35097/1104](https://doi.org/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. Baglt specificatio

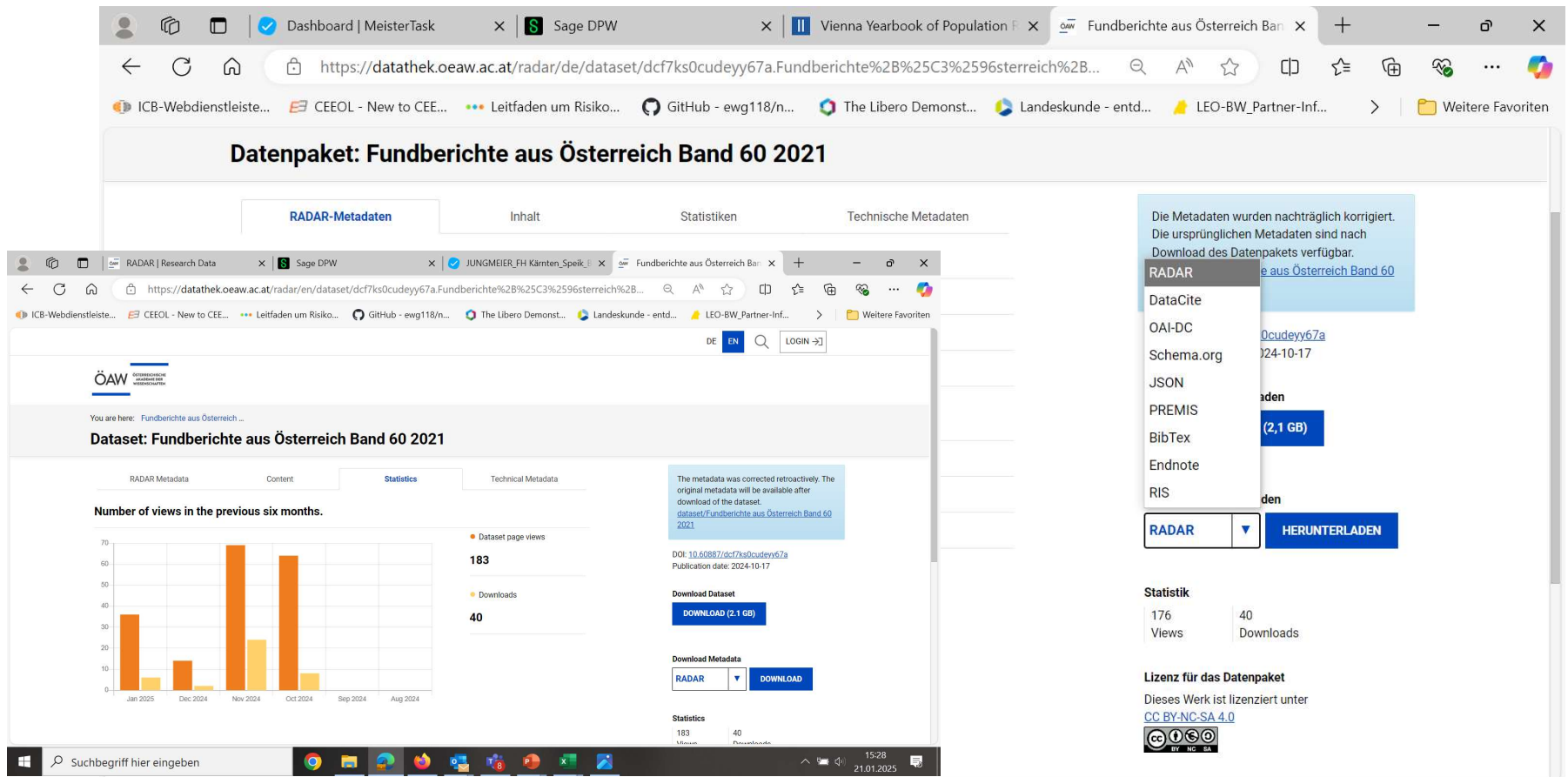
← Download metadata

← Statistics

← Rights statement

← Citation

Data user's view



Datenpaket: Fundberichte aus Österreich Band 60 2021

RADAR-Metadaten | Inhalt | Statistiken | Technische Metadaten

DE EN LOGIN

Dataset: Fundberichte aus Österreich Band 60 2021

Number of views in the previous six months.

Month	Dataset page views	Downloads
Jan 2025	~35	~5
Feb 2025	~15	~2
Mar 2025	~70	~25
Apr 2025	~65	~10
May 2025	~10	~5
Jun 2025	~10	~5
Jul 2025	~10	~5
Aug 2025	~10	~5
Sep 2025	~10	~5
Oct 2025	~10	~5
Nov 2025	~10	~5
Dec 2025	~10	~5

Statistics: 183 Views, 40 Downloads

Download Dataset: **DOWNLOAD (2,1 GB)**

Download Metadata: **DOWNLOAD**

Die Metadaten wurden nachträglich korrigiert. Die ursprünglichen Metadaten sind nach Download des Datenpakets verfügbar.

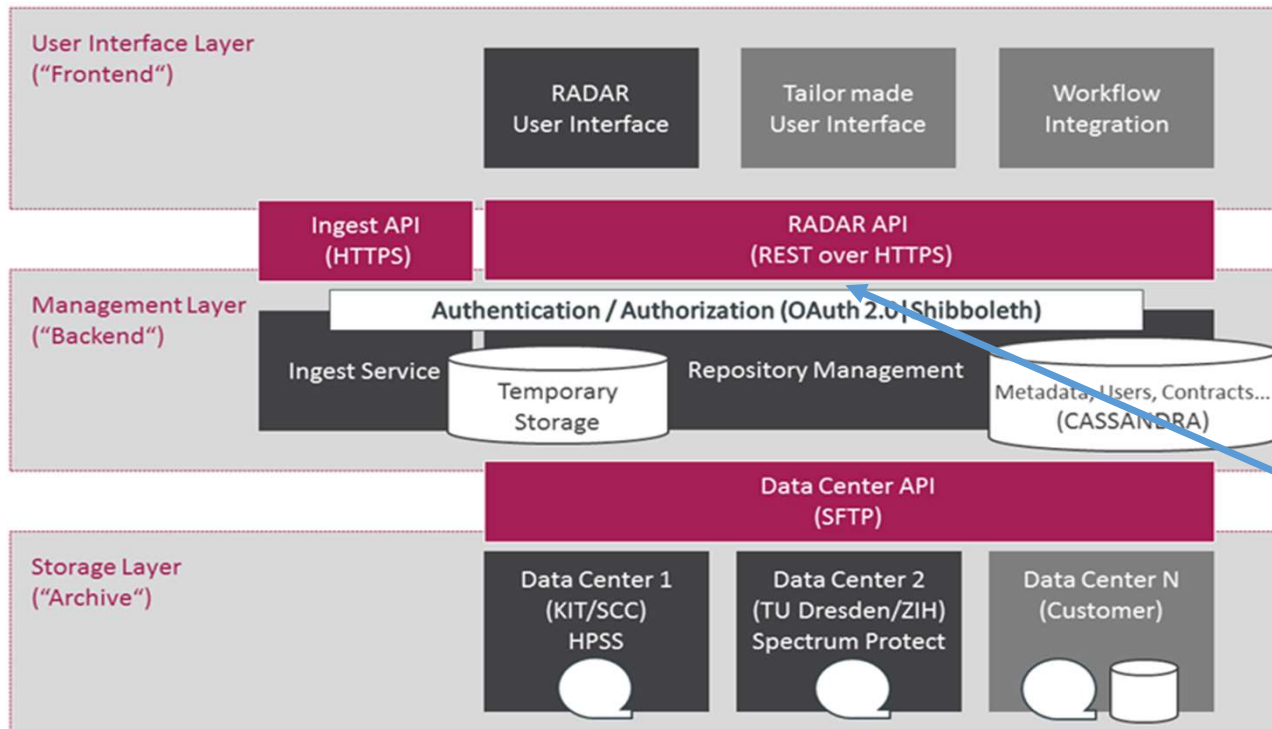
Download des Datenpakets verfügbar.

Die Lizenz für das Datenpaket ist [CC BY-NC-SA 4.0](https://creativecommons.org/licenses/by-nc-sa/4.0/)

Statistik: 176 Views, 40 Downloads

Lizenz für das Datenpaket: Dieses Werk ist lizenziert unter [CC BY-NC-SA 4.0](https://creativecommons.org/licenses/by-nc-sa/4.0/)

System architecture



- Cassandra NoSQL database

- Elastic search

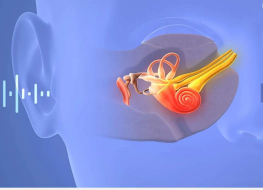


- Orchestration

- 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