

Open Science at HZDR

20.03.2025

Teaching / promoting Open Science

at Helmholtz

- **Open Science Office** offers
 - workshops, events and publications
- Implementation of **Data and Software Indicators**
- **Open Science Policy** in 2022
 - Open Science thus becomes the standard of publication practice.
 - Recommendation of CC BY 4.0
- **Incubator Platforms**
 - Community building through **Helmholtz Metadata Collaboration**

at HZDR

- Rules for Good scientific practice
- Publication Directive
- Data and Software Policies
- Consultations and workshops on RDM
- Data and Software Management Days
- Training courses on the use of ROBIS and RODARE
- New: Information events for new employees
- SaxFDM - Digital Kitchen

Open Science Support at HZDR

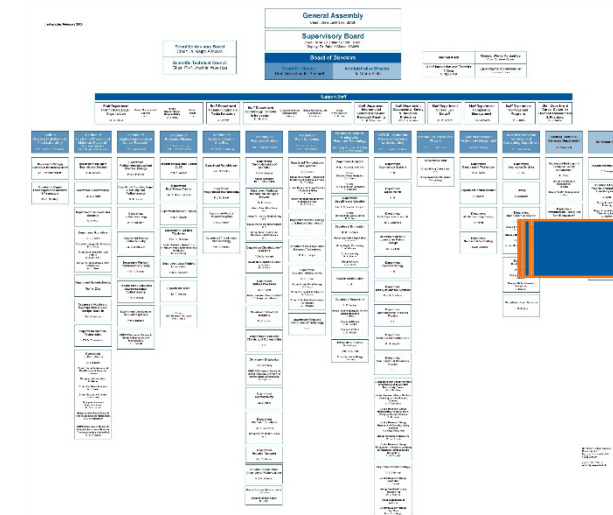
OS at HZDR is basically located at **Department of Information Services and Computing**

OS Personal Support and Development

- Working Group “Research Data Management”
- Working Group "Scientific Data Management"
- Publication Management
- Working Group OSPO – Open Source support at HZDR
- Beamline Scientists

OA Services and Tools

- Research Data Repository RODARE
- Publication Repository ROBIS
- Publication funds
- Transformative and HZDR OA Agreements



Central Information
Services and
Computing Department

Dr. Uwe Konrad

Department
Application Services

A. Rex

Library

J. Grzondziel

Department
Computational Science

Dr. G. Juckeland

Group Artificial Intelligence
Dr. P. Steinbach

Group Data Management and
HPC
Dr. O. Knödel

Group Software Engineering
T. Huste

Department
IT-Infrastructure

Dr. H. Schulz

Group Data Networks
I. Holstein

Group High Performance
Computing
M. Lokamani

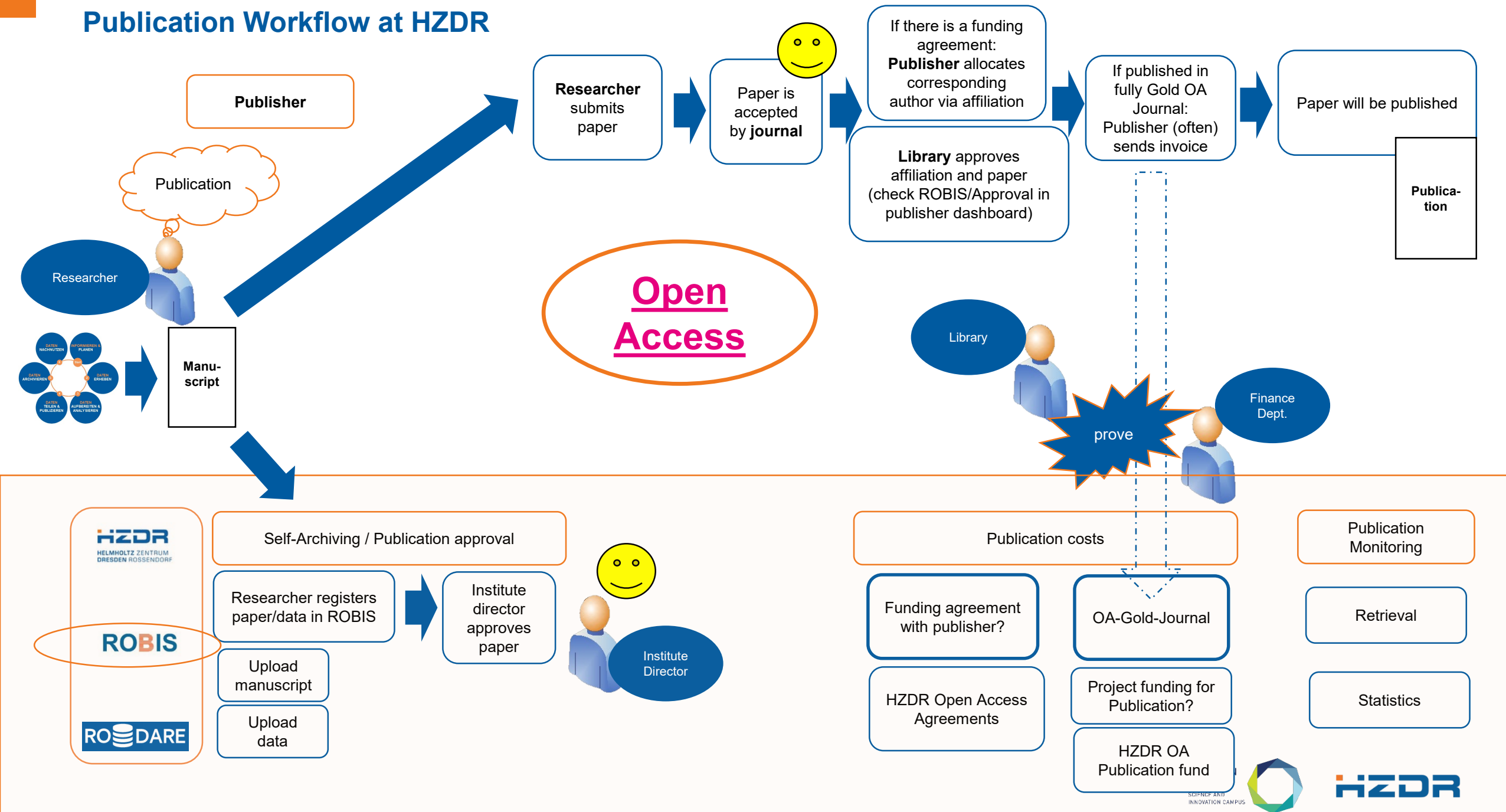
Department User Services

O. Rüdigerkeit



Publication Workflow

Publication Workflow at HZDR



Open Access

Short glossary concerning publication colours and other terms

Closed Access – classical subscription model: The author doesn't pay for publication – access has to be paid (Institution subscribes journals)

Open Access – Access to the article is free for everyone. There is often a fee for publication.

Gold Open Access – The article is free from date of publication. Generally/often there is a fee for such a publication (article processing charge (APC), etc.)

Green Open Access – Self-archiving (secondary publication), explained <https://www.berlin-universities-publishing.de/en/beratung/zweitveroeffentlichung/index.html>

Hybrid Journals – In those journals researchers can decide whether they want to publish gold OA (and pay a fee) or closed (without paying a fee). Funding agreements often comprise that the institution covers publication fees.

Attention! HZDR only covers publication fees in hybrid journals if there exists a funding agreement with the publisher (e.g. DEAL contracts with Elsevier, Springer, Wiley or contract with ACS)


















Gold, green,
hybrid ????

<https://blogs.tib.eu/wp/tib/2018/10/24/gold-gruen-bronze-blau-die-open-access-farbenlehre/>


<https://openeconomics.zbw.eu/en/knowledgebase/the-meaning-of-the-different-types-and-colours-of-open-access/>


HZDR Publication Directive
(HZDR Instruction No. B 213)



OPEN ACCESS agreements with publishers


	AAAS - American Association for the Advancement of Science	2020-2026
	ACS - American Chemical Society	2023-2025
	AIP – American Institute of Physics	2021-2026
	APS - American Physical Society	2025-2028
	Cambridge University Press	2022-2027
	Copernicus Publications	since 2012
	Elsevier	2024-2028
	Frontiers	since 2015
	IOP - Insitute of Physics incl. ECS	since 2019
	Karger	2021-2026
	MDPI	since 2014
	Nature	2021-2028
	RSC Platinum	2024-2027
	SAGE	2021-2025
	SCOAP3 - Sponsoring Consortium for Open Access Publishing in Particle Physics	since 2013
	SpringerNature	2020-2028
	Wiley	2019-2028

Data Publication in RODARE



Search 

Upload  Communities 

maik.fiedler@hzdr.de 

All versions

Access Right

☐ Open (595)

☐ Restricted (181)

☐ Closed (105)

File Type

☐ Zip (336)

☐ Xlsx (58)

☐ Pdf (52)

☐ Txt (36)

☐ Csv (19)

☐ Opu (17)

☐ 7z (16)

☐ Gz (16)

☐ Md (16)

☐ Opi (16)

Keywords

☐ Flow (65)

☐ Ray (60)

☐ Tomography (59)

☐ X (54)

☐ Electron (50)

Found 881 results.








< 1 2 3 4 5 6 7 8 9 >

Sort by:
Most recent
asc.

View





March 17, 2025 (v1) Dataset Open Access

View

Data publication: Model-free Rayleigh weight from x-ray Thomson scattering measurements
 Dornheim, Tobias;  Bellenbaum, Hannah; Bethkenhagen, Mandy; Hansen, Stephanie; Böhme, Maximilian; Döppner, Tilo; Fletcher, Luke;  Gawne, Thomas Daniel; Gericke, Dirk; Hamel, Sebastien;  Kraus, Dominik; MacDonald, Michael;  Moldabekov, Zhandos; Preston, Thomas; Redmer, Ronald; Schörner, Maximilian;  Schwalbe, Sebastian; Tolias, Panagiotis;  Vorberger, Jan;
This repository contains the raw data shown in the main text of the publication "Model-free Rayleigh weight from x-ray Thomson scattering measurements"
Uploaded on March 17, 2025




March 10, 2025 (v1) Dataset Open Access

View

Data publication: Chemical potential of the warm dense electron gas from ab initio path integral Monte Carlo simulations
 Dornheim, Tobias; Bonitz, Michael;  Moldabekov, Zhandos;  Schwalbe, Sebastian; Tolias, Panagiotis;  Vorberger, Jan;
This repository contains the PIMC results from the publication "Chemical potential of the warm dense electron gas from ab initio path integral Monte Carlo simulations" as they are presented in the corresponding figures.
Uploaded on March 10, 2025






March 10, 2025 (1) Dataset Open Access

View

Data publication: Non-van der Waals Heterostructures
 Nihei, Anastasiia;  Barnowsky, Tom;  Friedrich, Rico;
This dataset includes the primary research data for the publication "Non-van der Waals Heterostructures".
Uploaded on March 10, 2025

November 19, 2024 (revised version) Dataset Open Access

View

Data publication: Comparative Binding Studies of the Chelators Methylolanthanin and Rhodopetrobactin B to Lanthanides and Ferric Iron
 Gutenthaler, Sophie M.;  Mertens, Michael; Tri Phi, Manh; Weis, Patrick;  Drobot, Björn; Köhrer, Alexander;  Steudtner, Robin; Karst, Ulrike; Cecilia Martinez-Gomez, N.;  Daumann, Lena L.

concept
SCIENCE AND
INNOVATION CAMPUS



HZDR

Workflow Data/Software Publication at RODARE

[Bearbeiten](#) [Volltext Upload/Links](#) [Verknüpfung](#) [Datenarchivierung](#)

Mineralogical proficiency testing parallel with a Geo reporting scheme

Renno, A. ; Möckel, R. ; Webb, P. C. ; 3Gowing, C. J. B. ; Eb...

1. HZDR author: [Dr. Renno, Axel](#) FWGA-E/FWGA-E

► **Abstract**

Keywords: Proficiency Testing; GeoPT; MinPT

[Bearbeiten Titel, Autoren, Abstract, Keywords](#)

[Upload Volltext oder Link zum Volltext speichern](#)

[Verknüpfung zu einer anderen HZDR-Publikation herstellen](#)

Archivierung von Primärdaten (optional)

[Archivierung von Forschungsprimärdaten starten](#)

[Problem melden](#)

► **Einladener Vortrag (Konferenzbeitrag)**

GEOANALYSIS 2024 - 12th International Conference on the Analysis of Geochemical Data

[Publikation eingereicht](#)

[Ressourcen- und Energieeffizienz](#)

[Forschungsprogramm ändern](#)

[Genehmigung durch Leiter erteilt](#) [Zurücksetzen](#)

[Publikations-Form bearbeiten/Vorschau](#)

[Export für RODARE](#)

[Adm: OpenAire-Export](#)

€ [Kosten eintragen](#)

► [Publikations-Form hinzufügen](#)

Permalink: <https://www.hzdr.de/publications/Publ-39730>

Publ-Id: 39730 - Eintrag am 10.10.2024 13:51 - [Dr. Renno, Axel](#)

► **Verantwortlichkeiten**

[Eintragenden ändern](#) | [Dublettenkontrolle ausschalten](#)

Register
Journal
Publication
in ROBIS

[Bearbeiten](#) [Volltext Upload/Links](#) [Verknüpfung](#) [Datenarchivierung](#)

Data publication: Application of Phage Surface Display for the Identification of Eu3+-binding Peptides

[Google Scholar](#) | [Google-Suche](#)

Techert, G.; Drobot, B. ; Braun, R. ; Bloß, C. ; Schönberger, N. ; Matys, S. ; Ledner, Franziska

1. HZDR author: [Techert, Gerda](#) FWGT-B/FWGT-B

► **Abstract**

Keywords: europium; REE recovery; phage surface display; peptides; next generation sequencing

Projekt: 3146129048 (031B1122A) PepTight - FWGT (01.09.2021-31.05.2025) - Leiter: Techert, Gerda

Projekt: 1046129006 Nachwuchsgruppe Biokollekt - FWGT (09.11.2020-31.12.2027) - Leiter: Techert, Gerda

Projekt: 3246129053 (031B1348A) PepMetal II - FWGT (01.05.2023-30.04.2026) - Leiter: Techert, Gerda

[Bearbeiten Titel, Autoren, Abstract, Keywords](#)

[Upload Volltext oder Link zum Volltext speichern](#)

[Verknüpfung zu einer anderen HZDR-Publikation herstellen](#)

Verknüpfte Publikationen

- Application of Phage Surface Display for the Identification of Eu3+-binding Peptides

ROBIS: 39710 has used this (id 39712) publication of HZDR-primary research data

[Hinweis/Problem:](#) Publ-Id 39710 noch nicht veröffentlicht

[Problem melden](#)

► **Forschungsdaten im HZDR-Daten-Repositorium RODARE**

Publication date: 2024-10-02 Open access

DOI: [10.14278/rodare.3182](https://doi.org/10.14278/rodare.3182)

Versions: [10.14278/rodare.3183](https://doi.org/10.14278/rodare.3183)

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[Verwaltung der Datenpublikation im HZDR-Daten-Repositorium RODARE - id 3183](#)

[Ressourcen- und Energieeffizienz](#)

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RODARE: 3183/3182

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- Veröffentlichung im HZDR-Daten-Repositorium RODARE - id 3182

Export: [BibTeX](#) | [JSON](#) | [XML \(Excel\)](#) | [Typed Format](#) | [Refer-Format](#) | [OALPMH/Datacite](#)

Permalink: <https://www.hzdr.de/publications/Publ-39712>

Publ-Id: 39712 - Eintrag am 02.10.2024 17:23 - [Techert, Gerda](#)

► **Verantwortlichkeiten**

[Eintragenden ändern](#) | [Dublettenkontrolle ausschalten](#)

Register
„opcoming“
Data
Publication
in ROBIS

RODARE [Upload](#) [Communities](#) [mail.fedier@hzdr.de](#)

October 2, 2024

Data publication: Application of Phage Surface Display for the Identification of Eu3+-binding Peptides

Techert, Gerda, ; Drobot, Björn, ; Braun, Robert, ; Bloß, Christoph, ; Schönberger, Nora, ; Matys, Sabina, ; Ledner, Franziska,

- Sequenzierdaten als Excel-File zu Europiumion-bindenden Peptiden
- TRUP-S-Rohdaten zu Bindungsstudien von potenziell Europiumion-bindenden Peptiden mit Europiumion
- TRUP-S-Diagramme zu Bindungsstudien von potenziell Europiumion-bindenden Peptiden mit Europiumion

Preview

Files (177.9 MB)

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Distribution_Concentration_GC3_Serie2.png	237.3 kB	Preview Download
md5113a0c705a1c1b5a5705a3a571a1e		Download

DOI: [10.14278/rodare.3183](https://doi.org/10.14278/rodare.3183)

Keyword(s): [europium](#) [REE recovery](#) [phage surface display](#) [peptides](#) [next generation sequencing](#)

Related identifiers:

Identical to: <https://www.hzdr.de/publications/Publ-39712>

Referenced by: <https://www.hzdr.de/publications/Publ-39710>

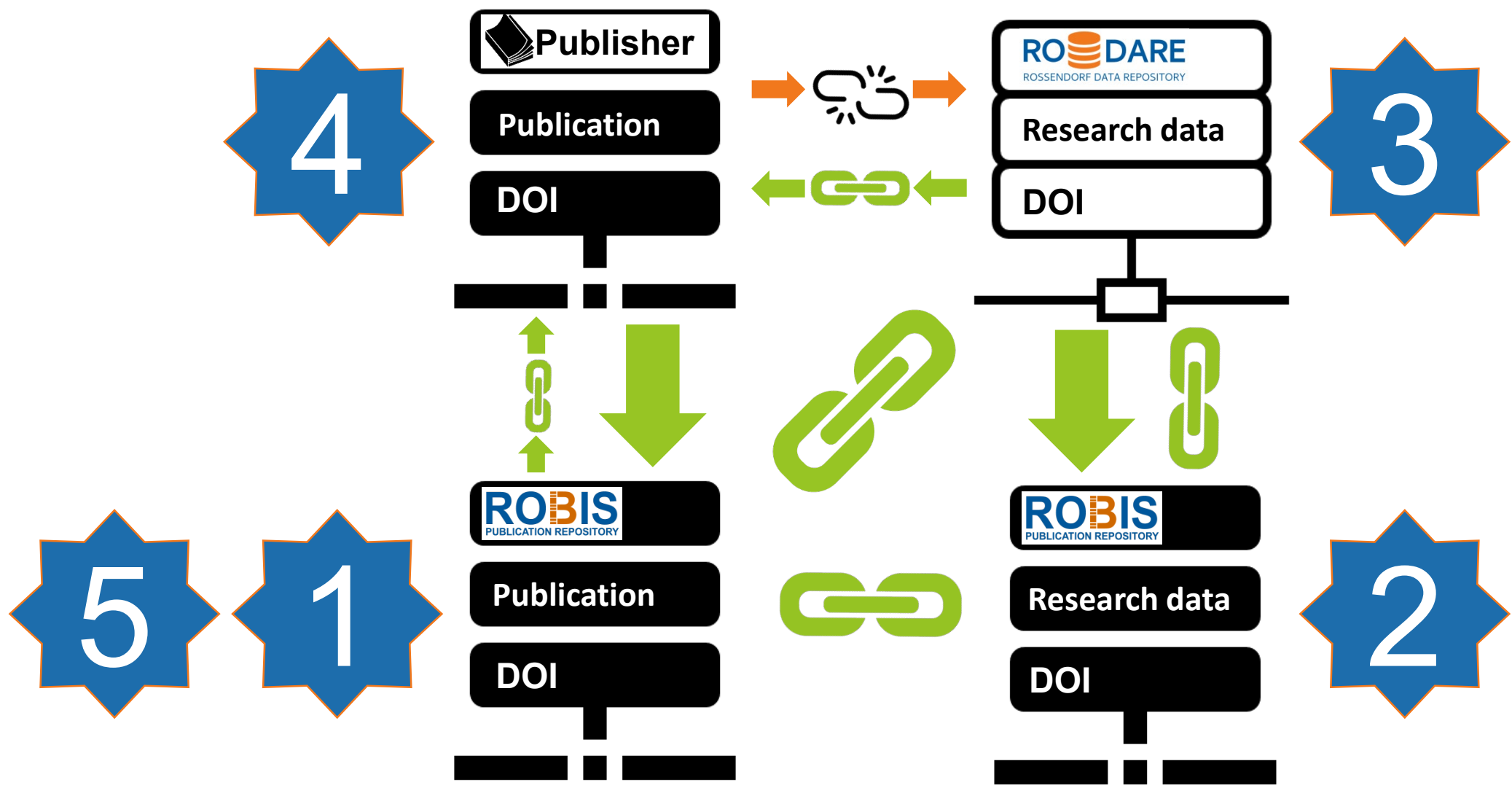
Communities: RODARE

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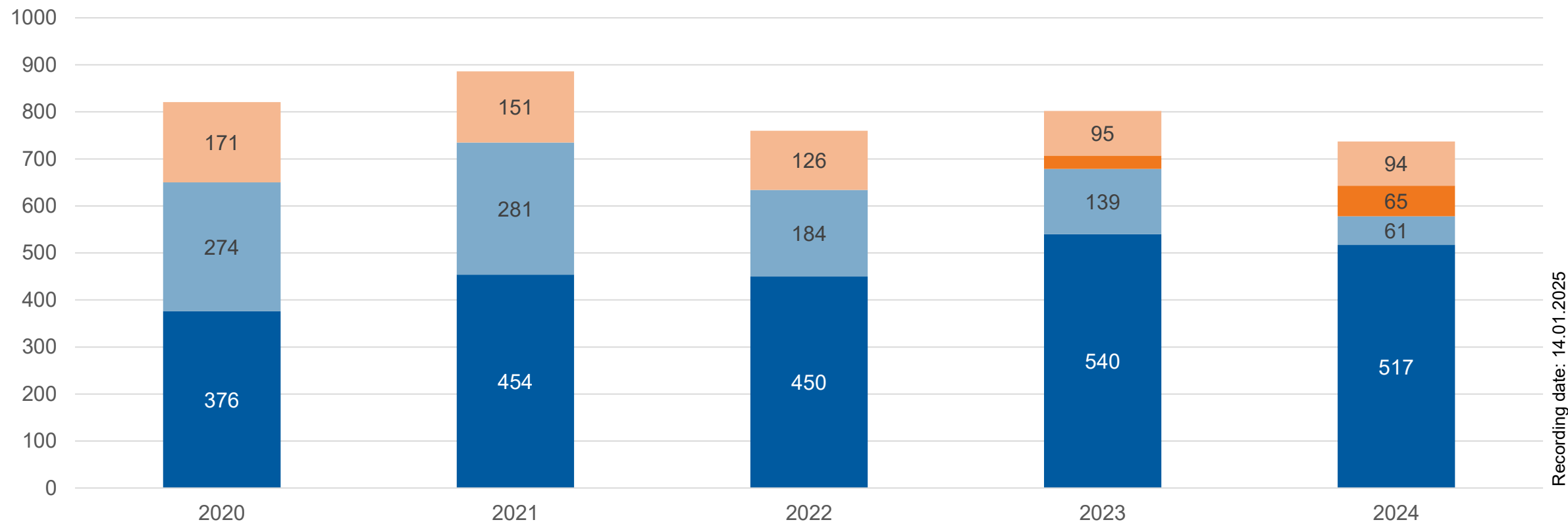
Version	Created
Version 1.10.14278/rodare.3183	Oct 2, 2024

Recording Metadata in ROBIS and Publishing Research Data in RODARE



Statistics

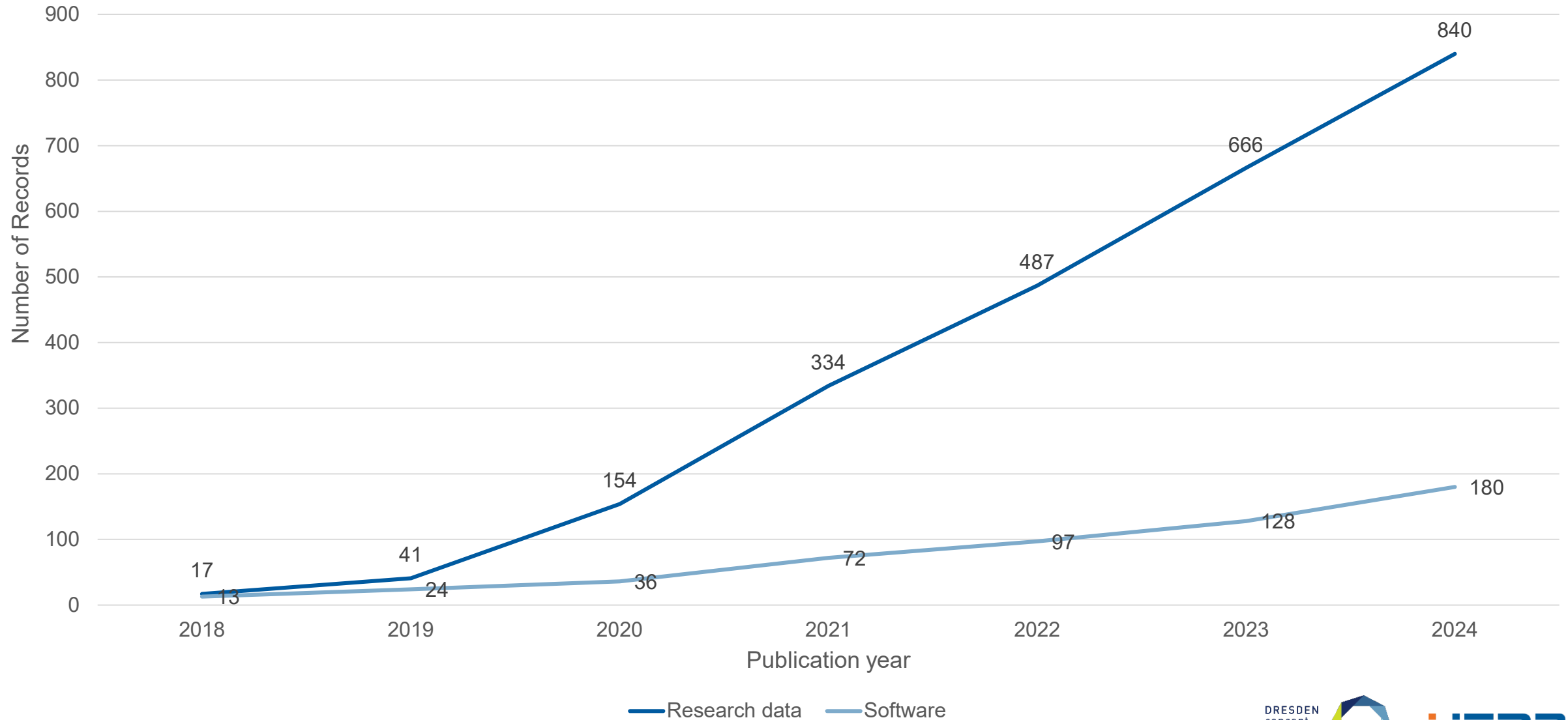
Articles in ref. Journals, WoS-/Scopus-cited OPEN ACCESS (PoF IV)



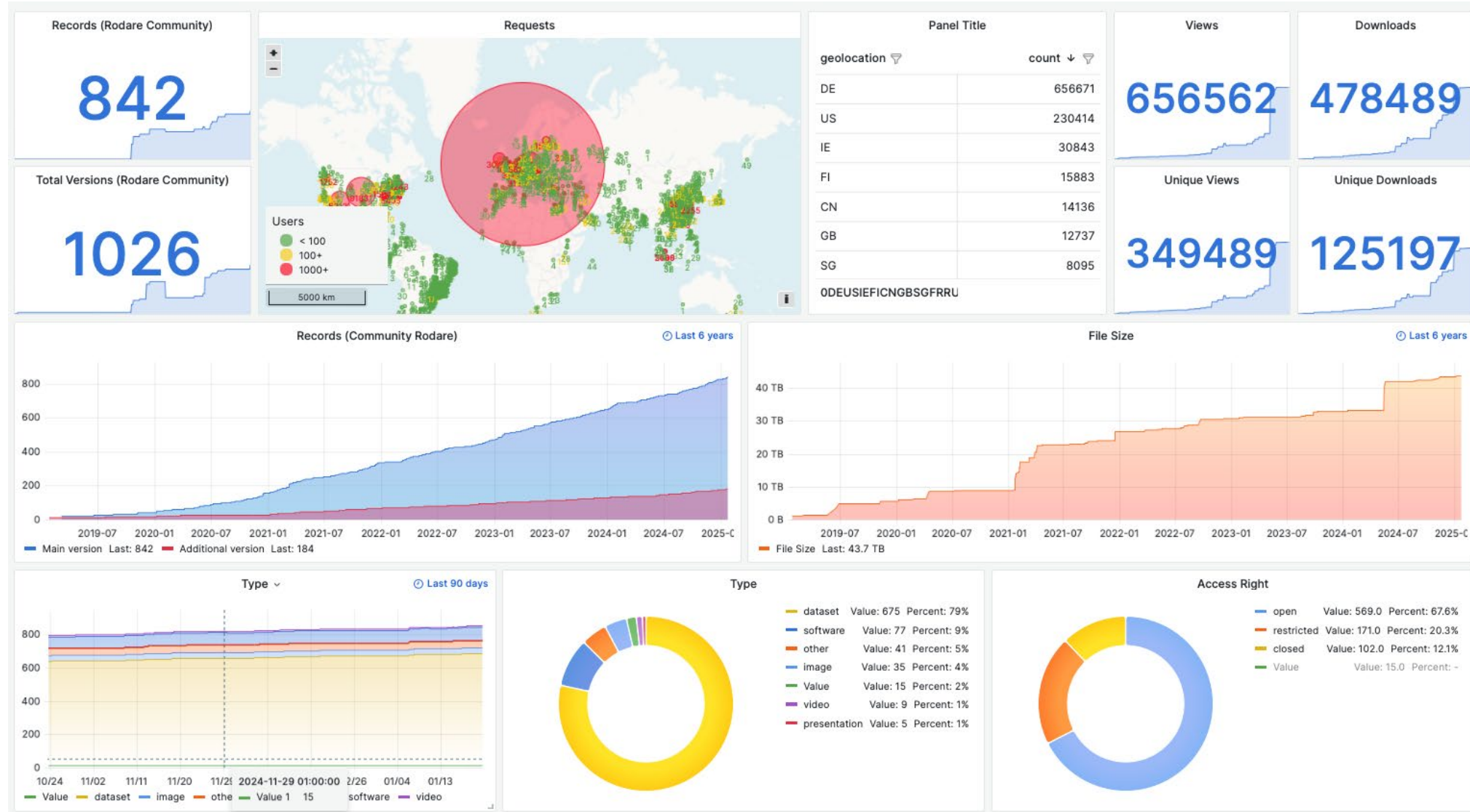
Recording date: 14.01.2025

- not Open Access
- Candidates for Open Access green (embargo period not yet expired)
- Open Access green (Secondary publication or link to open access repository)
- Open Access gold

Publication of Research Data / Software (cumulated)



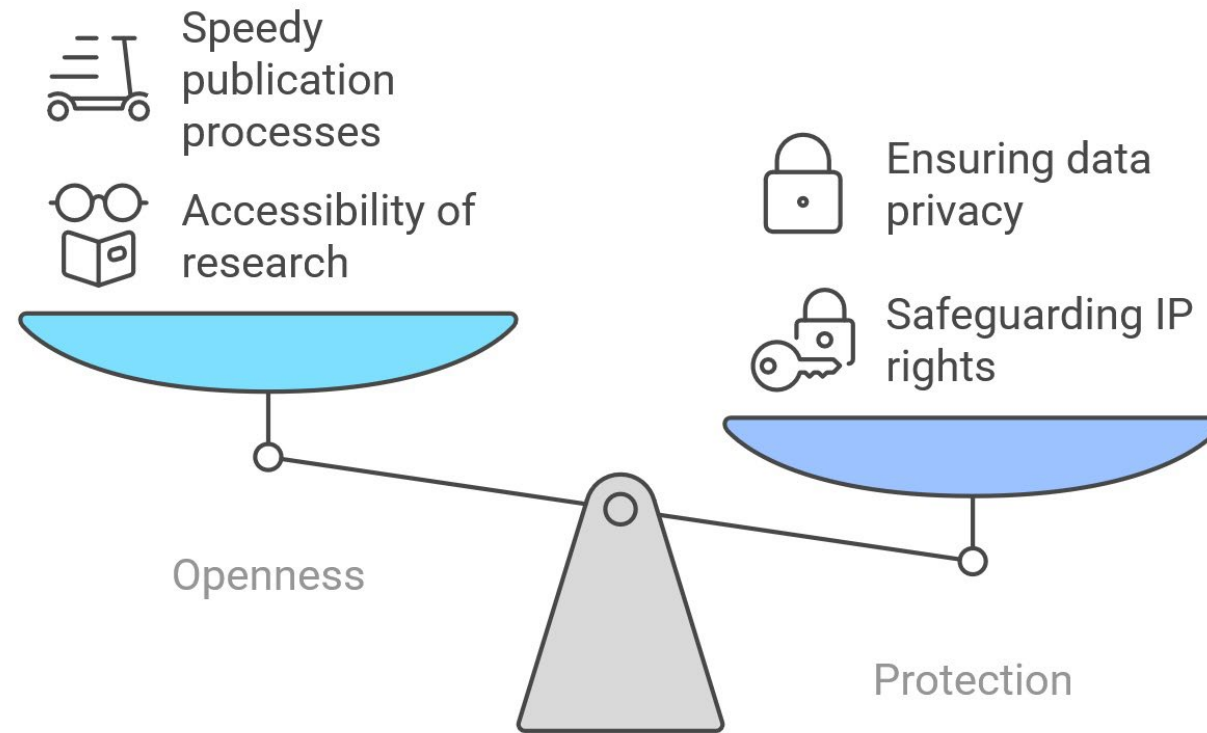
Open Science - Research Data and Software



Other

Helmholtz Association and due diligence in the context of Open Science

‘as open as possible, as closed as necessary’



Balancing Openness and Protection in Open Science