



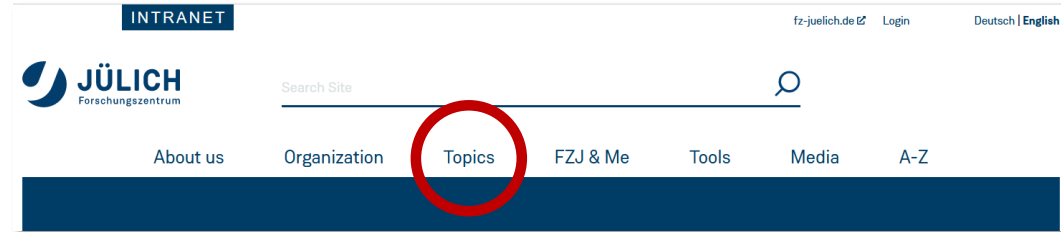
RDM CHALLENGES @ FZJ – AN OVERVIEW

Sven Rank (UE)

25 OCTOBER 2023

RDM PORTAL

<https://intranet.fz-juelich.de/en/topics/rdm>



Topics



CATERING PORTAL

Information on the Seecasino canteen and catering.



MOBILITY PORTAL (IN GERMAN)

Tips and information about mobility to and on campus, as well as for business travellers.



PORTAL YOUNG RESEARCHERS

Tailored support and framework conditions that enable to achieve excellent results and foster individual career path.



EXTERNAL FUNDING PORTAL

Contacts and information about the subject of external funding, collaborations and contract management at Forschungszentrum Jülich.



IT-PORTAL

Your platform around IT and services at the research center.



RDM-PORTAL

Your starting point for information on Research Data Management (RDM).



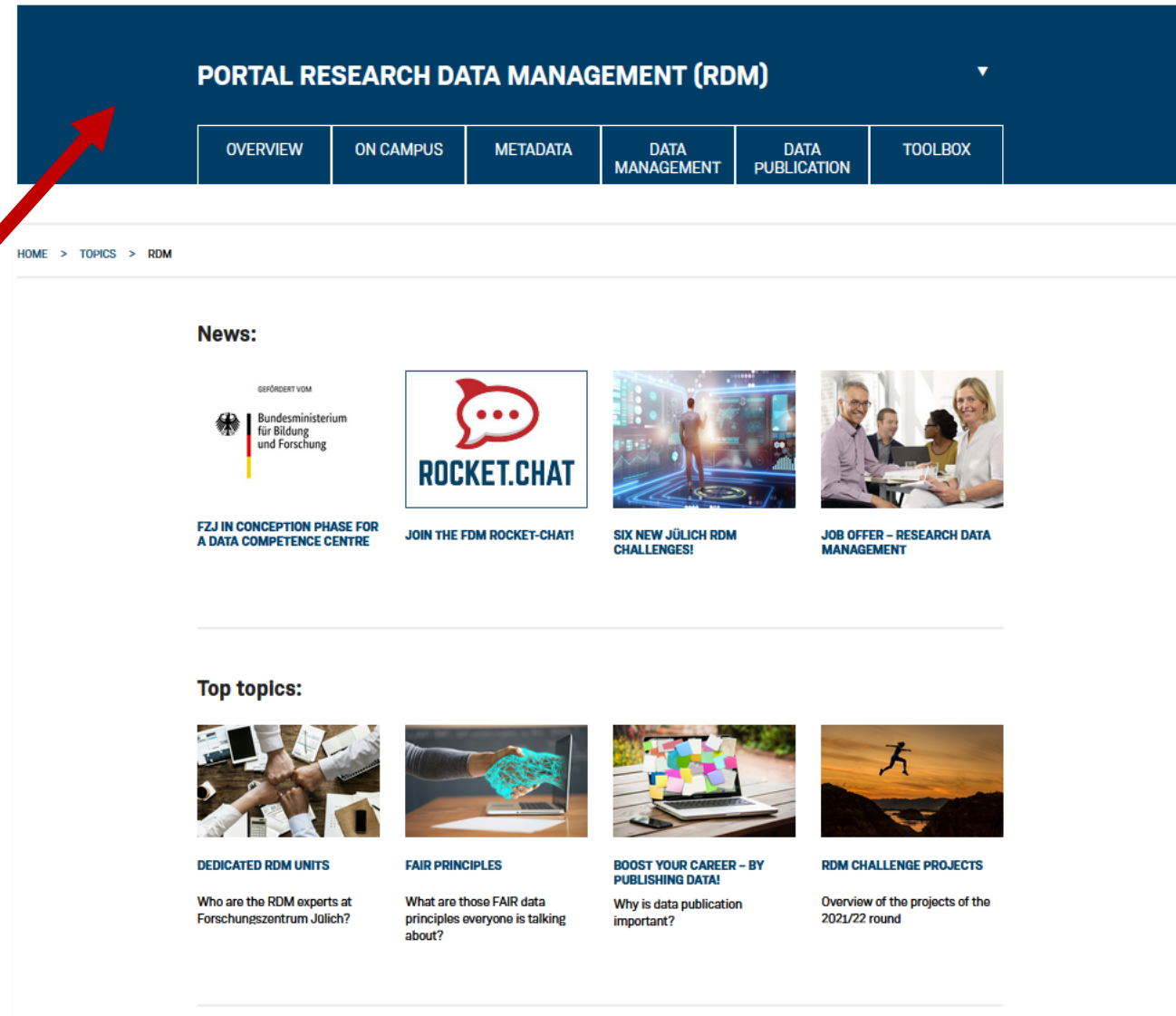
RSE PORTAL

Information, support and contacts on the topic of Research Software Engineering (RSE).



IDEAMANAGEMENT (IN GERMAN)

Do you have an idea for improving workflows or boosting occupational safety? Will your idea help cut costs for FZJ or improve campus life?



TOOLBOX

<https://intranet.fz-juelich.de/en/topics/rdm/toolbox>

Services by Data Management Functions

- Access
- Data and Lab Management Tools
- Data Discovery
- Data Management Plans
- Data Sharing
- Metadata Management
- Publication
- Persistent Identifier Assignment
- Storage
- Short-term Storage
- Archival Storage
- Backup
- Cloud Services
- Synchronization
- Version Control

Services by Institutes

- IAS-9
- IBG-3
- IEK-5
- INM-6
- INM-7
- ITS
- JSC
- PGI/CNS-TA
- ZB

Toolbox

Research projects in a wide range of scientific disciplines generate data that needs to be managed. With research data management we refer to the handling of research data throughout its entire data lifecycle. This toolbox is intended to provide an **overview of research data management tools** that are available at the Forschungszentrum and that Jülich researchers can provide information on how to use.

In the context of this toolbox research data management incorporates all those processes that fulfil (at least) one data management function. We differentiate the following functions: Data access, discovery, storage, sharing, publishing, metadata management, and version control. Two additional categories give an overview of tools for creating data management plans and for data and lab management. The **tools can be filtered** according to functionality or to organisational units respectively.

SERVICES BY DATA MANAGEMENT FUNCTIONS

SERVICES BY INSTITUTES



If you or your team designed a tool that fits one (or more) of the mentioned data management functions and you would like to add that tool to the toolbox for others to use, please fill in the **template** and send it to one of the contacts below.

Templates for adding a new service to the toolbox

Word file
PDF file

Contacts

Sven Rank (UE): s.rank@fz-juelich.de; 02461 61-85210
Dorit Jerger (UE): d.jerger@fz-juelich.de; 02461 61-9003
Silke Schilling (UE): s.schilling@fz-juelich.de; 02461 61-3026

Services by Data Management Functions

The tools registered with this catalogue fulfill one or several data management functions and can be filtered accordingly. The desired category can be chosen below or in the drop-down menu on the left-hand side.



ACCESS



DATA AND LAB MANAGEMENT TOOLS



DATA DISCOVERY



DATA MANAGEMENT PLANS



DATA SHARING



METADATA MANAGEMENT



PUBLICATION



STORAGE



VERSION CONTROL

RDM CONTACTS AT FZJ

<https://intranet.fz-juelich.de/en/topics/rdm/on-campus/dedicated-rdm-units>

Corporate Development (UE-F) – Digital Change

- Contacts: Sven Rank (s.rank@fz-juelich.de) and Dorit Jerger (d.jerger@fz-juelich.de)
- Strategic planning and coordination of RDM development on campus

Central Library

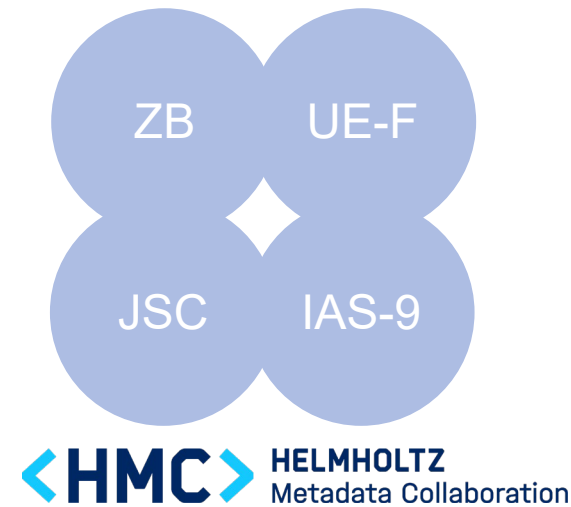
- Contact: central RDM / OS team (forschungsdaten@fz-juelich.de)
- General RDM Support (e.g. DMP or data publication)

HMC hub and FAIR data commons at IAS-9

- Contact: Volker Hofmann (v.hofmann@fz-juelich.de)
- Support on metadata management

Simulation and data labs, data groups @ JSC

- big data, HPC



JOIN US ON ROCKET.CHAT!

<https://chat.fz-juelich.de/channel/fdm>

Join the RDM community on rocket.chat for discussions and announcements: **#fdm**



ROCKET.CHAT

RDM PORTAL

<https://intranet.fz-juelich.de/en/topics/rdm>

INTRANET fz-juelich.de Login Deutsch | English

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Topics



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PORTAL RESEARCH DATA MANAGEMENT (RDM)

OVERVIEW **ON CAMPUS** METADATA DATA MANAGEMENT DATA PUBLICATION TOOLBOX

HOME > TOPICS > RDM

News:



FZJ IN CONCEPTION PHASE FOR A DATA COMPETENCE CENTRE



JOIN THE FDM ROCKET-CHAT!



SIX NEW JÜLICH RDM CHALLENGES!



JOB OFFER - RESEARCH DATA MANAGEMENT

Top topics:



DEDICATED RDM UNITS

Who are the RDM experts at Forschungszentrum Jülich?



FAIR PRINCIPLES

What are those FAIR data principles everyone is talking about?



BOOST YOUR CAREER - BY PUBLISHING DATA!

Why is data publication important?



RDM CHALLENGE PROJECTS

Overview of the projects of the 2021/22 round

Jülich Research Data Handling Guidelines

Dedicated RDM Units

Training and Advice

Good Practices

RDM Challenge Projects

Many researchers, programmers and experts in research data management (RDM) at Forschungszentrum Jülich have rich knowledge and experience in the operation of complex infrastructure and data resources - and in creating scientific workflows that move data from one resource to another or that make it **FAIR**. In 2021 the Jülich board of directors decided to initiate three rounds of RDM challenges (one each year) to give further impulses and to interconnect RDM people and expertise. For the first call six project proposals were selected for funding. These challenge projects work towards RDM goals such as:

- Planning of RDM tasks to make data FAIR
- Building, extending, connecting data infrastructure and workflows
- Integrating RDM and data analytics (services)
- RDM training and competence building

The proposal **TEMPLATE for the 3rd funding round of the Jülich RDM Challenges Call** and the call are now also available in the funding section.



2023 Kick-off for the second round of projects

RDM CHALLENGES

<https://intranet.fz-juelich.de/en/topics/rdm/data-management/funding/julich-rdm-challenge-call>

- GOAL: Improve quality/efficiency of research with RDM!
- Board of Directors funds small RDM projects
- Up to 5 projects per year with a funding of up to 50k€
- Call for third (and final) round CURRENTLY OPEN.



Challenges Event
13th November

Call Deadline
24th November!

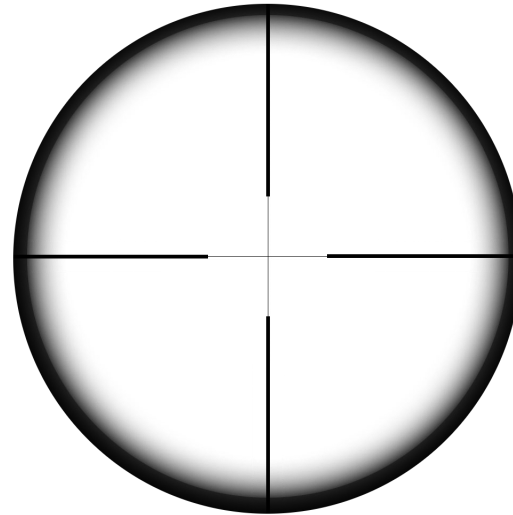


WHAT IS AN RDM CHALLENGE?

short



focused



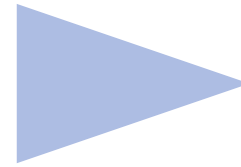
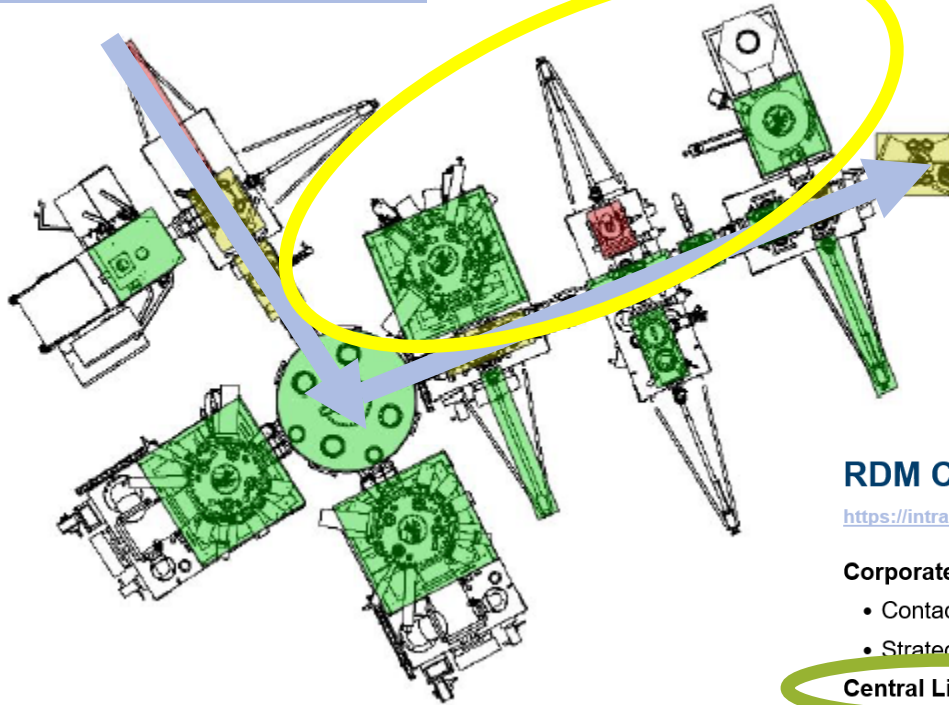
f.a.i.r. (data)



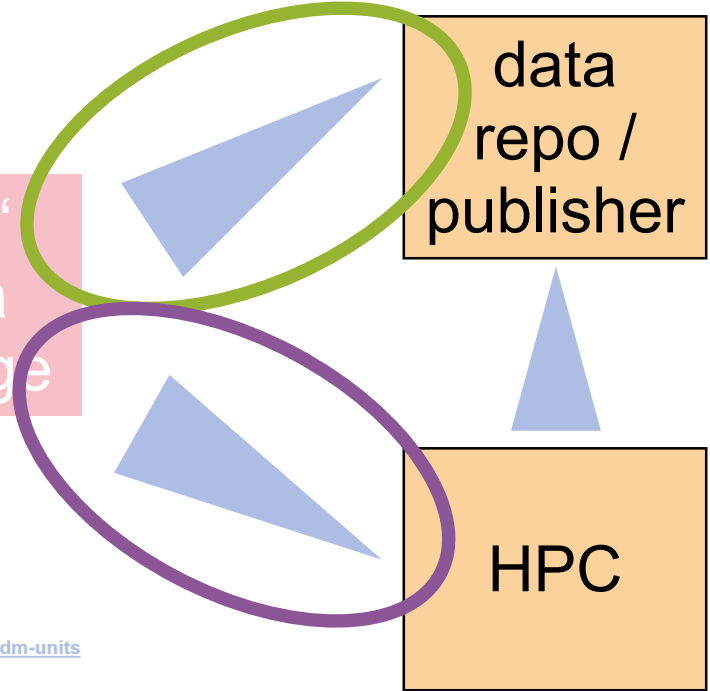
HOW TO START A CHALLENGE

Identify problem and find partner(s)

data workflow



„hot“
data
storage



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Simulation and Data Labs @ JSC

COMMUNITY OVER COMPETITION

Motto of the open access week 2023

Challenges **prioritise relationships and people** (IT isn't funded)

- forming teams that (so far) haven't worked together
- JCNS-TA-IT (for example) works for free as an RDM partner for other institutes
- output/report of challenges is public, **workshops are open** to all at Jülich

Fruitful **connections between RDM challenges and other projects**, e.g. NFDI

- make developments from other projects useful at Jülich, too
- try something at Jülich which you want to transfer to other projects

Good practice, provenance, reproducibility

- F.A.I.R.: Findable, Accessible, Interoperable, **Re-usable data**
- do good and **talk about it**: Helmholtz, fdm.NRW, research data days, etc..

Values:
openness
fairness/equity
F.A.I.R.ness
quality
bottom-up

THANK YOU FOR YOUR ATTENTION!



FURTHER READING

RDM challenges

<https://intranet.fz-juelich.de/en/topics/rdm/on-campus/rdm-challenge-projects>

F.A.I.R. data principles

<https://www.go-fair.org/fair-principles/>

Community over commercialization

<https://www.openaccessweek.org/theme/en>