



CoRDI Conference Programme

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- Location: RWTH Aachen, C.A.R.L.41

Tuesday, 26.08.2025

Programme

10:00-11:00h	Registration <i>Location tbd</i>			
11:00-11:30h	Welcome & Opening: <ul style="list-style-type: none">• Dorothee Bär, Bundesministerin für Forschung, Technologie und Raumfahrt (video welcome message)• Dr. Heide Ahrens, Generalsekretärin DFG• Prof. Dr. Petra Gehring, Vorsitzende Rfll• Ute Günsenheimer, Generalsekretärin EOSC• Prof. Dr. Robert Schmitt, RWTH Aachen <i>Location tbd</i>			
11:30-12:30h	Keynote: Robert Finn (EMBL's European Bioinformatics Institute) “Delivering EMBL-EBI’s life science data resources in a world of growing data and impacts from the use of artificial intelligence.” More Information <i>Location tbd</i>			
12:30-14:00h	Lunch <i>Location tbd</i>			
14:00-15:30h	Education RDM <i>Location tbd</i>	Engineering Sciences <i>Location tbd</i>	Impact of RDM <i>Location tbd</i>	Life Sciences <i>Location tbd</i>
15:30-16:00h	Coffee break			

	<i>Location tbd</i>			
16:00-17:30h	RDM in Context <i>Location tbd</i>	Engineering Sciences <i>Location tbd</i>	Humanities and Social Sciences <i>Location tbd</i>	RDM Infrastructure <i>Location tbd</i>
17:30-19:00h	Poster Session <i>Location tbd</i>			

Session Details

Early afternoon (14:00 - 15:30h)

Education RDM: RDM Education & training for main NFDI domains (Location tbd)

TALKS (20 minutes each, including Q&A)

- Mario Moser, Janna Neumann, Kerstin Wedlich-Zachodin, Ute Trautwein-Bruns, Christian Langenbach, Marcos Galdino, Anas Abdelrazeq and Robert H. Schmitt
Community-driven RDM. Trainings Experiences on community involvement from NFDI4ING
- Jens Dierkes, Robert Haase, Alessandra S. Kuntz, Vanessa González Ribao, Ulrich Sax, H. Lina Schaare and Birte Lindstädt
Converging Forces: A Collaborative Vision for Training in Biomedical Data Management
- Reinhard Altenhöner and Jana Fabrizius
Bridging Communities: The Role of FIDs Between Disciplinary Research and National Infra-structure

POSTER Flashes (1 minute each)

- Daniela Hausen, Sabrina Jordan, Antje Manske and Annett Schröter
"23 TrainingThings": A Practical Guide for Effective Webinars in Research Data Management and Beyond
- Antje Manske
Empowering Users: How Base4NFDI supports training development for research infrastructure services
- Andreas Bruns, Maria Christoforaki and Björn Schembera
Integrating Ethics into Research Data Infrastructures: Proposal for a Webinar Series on Data Ethics

- Juliane Röder, Daniel Tschink and Ortrun Brand
Effective Research Data Management for Biodiversity and Environmental Research: A Self-Paced Online Course by NFDI4Biodiversity
- Alexander Nasuta, Hans Aoyang Zhou, Anas Abdelrazaq and Robert H. Schmitt
Manta: Visualizations for Science Communication using Python
- Robert Herrenbrück and Sonja Bayer
Establishing a Central Helpdesk for KonsortSWD - NFDI4Society: Goals, Challenges, and Solutions
- Marina Lemaire and Anne Voigt
Enhancing Historical Education through Research Data - A Poster Presentation
- Sarah Ann Stock, Jessica Stegemann and Ceren Yildiz
Discover RDM - Research data management in studies and teaching at the University of Duisburg-Essen
- J. Berenike Herrmann and Marie-Christine Boucher
Data literacy for everyone! On fostering domain-specific data skills in the SSH
- Sonja Hendriks, Marlen Externbrink, John P. Mills, Willem Scholten and Andrea Tarchi
Crack the Code, Unlock the Knowledge: An On-site RDM Escape Room Experience for Researchers
- Katharina Grünwald, Julia Mohrbacher, Katharina E. Bollmann, Ying Han, Adina Hofmann, Leonid Gerdt, Amirezza Daei Rezaei Moghaddam, Sebastian Slawik, Georg Winkens, Ullal Pranav Nayak, Erik Bitzek, Stefan Klein and Martina Zimmermann
Building bridges: Roll-Out Group of NFDI-MatWerk – A strategy for interfacing researchers and research data management infrastructure in materials science and engineering
- Ekaterina Kutafina, Jens Dierkes, Jenny Tigerholm, Barbara Namer, Hajo Zeeb and Oya Beyan
Analysis of the Research Infrastructure Needs in Emerging Interdisciplinary Consortia
- Arnela Balic and Robert Werth
RDM - An Online Introduction: A learning module developed by HeFDI
- Regina Schmidt, Henrika M. Hüppe, Ning Xia, Agnes Kleinhans, Moritz Will, Peter F. Pelz and Sonja Herres-Pawlis
"As a [researcher], I [want to find open educational resources about data literacy] by using a [knowledge graph based search platform]."
- Felix Rau, Patrick Helling and Elisabeth Mollenhauer
RDM Demerit Badges
- Melanie Seltmann and Maria Chlastak
Framing Data Literacy. The Competence Centre for Data Literacy QUADRIGA
- Josef Jeschke and Martha Stellmacher
The Informed CARE Data Steward. Ways to CAREification
- Stefan Jopp, Michael Liebau, Roger Gläser and Udo Kragl
Developing a RDM Beginner's Guideline for Students in Chemistry and Catalysis
- Katharina Koch, Stephanie Werner, Sebastian Reutzel and Eike Quilling
Enhancing data literacy among students in health and care-related subjects: An application-oriented lecture week
- Simon Parker, Alessandra S. Kuntz, Jens Dierkes, Birte Lindstädt, H. Lina Schaare and Ulrich Sax

How Could we Scale up the Qualification of Researchers for Trusted Research Environments. Preparing the Usership for the European Data Spaces

- Sophie Boße and Sabrina Jordan
Tailored Research Data Management Training for Agricultural Scientists A Collaboration between FAIRagro and the Research Data Management Service at the University of Kassel
- Tom Boissonnet, Mohsen Ahmadi, Janina Hanne, Ksenia Krooß, Josh Moore, Christian Schmidt, Olaf Selchow, Jens Wendt, Cornelia Wetzker and Stefanie Weidtkamp-Peters
TiM 2025: An Incubator for FAIR Image Data Management

Engineering Sciences: Semantic Models in RDM (Location tbd)

LIGHTNING TALKS (5 minutes each)

- Ebrahim Norouzi, Hossein Beygi Nasrabadi, Kostiantyn Hubaiev, Joerg Waitelonis and Harald Sack
NFDI MatWerk Ontology and Knowledge Graph
- Kevin Logan, Daniele Inturri, Sebastian Neumeier and Peter Pelz
Research Data Management for Bespoke Experiments in Mechanical Engineering - Semantic digital data sheets, automated configuration and documentation, and reproducible data storage
- Felix Engel, Angelina Kraft, Erhun Giray Tuncay and Axel Klinger
Terminologies and FAIR Data - Applications and Usage Patterns of the Terminology Service
- Matthias Bodenbenner, Mark P. Sanders, Dominik Wolfschläger and Robert H. Schmitt
Automating Sensor Data FAIRification with the Sensor Interfacing Language
- Jan Sören Schwarz, Alexandro Steinert, Laura Fuentes Grau, Zhiyu Pan, Philipp Schmurr, Nan Liu, Corinna Seiwerth, Ramiz Qussous, Reinhard German, Veit Hagenmeyer, Sebastian Lehnhoff, Antonello Monti, Astrid Nieße, Anke Weidlich and Ludwig Hülk
Developing an ontology for co-simulation scenarios of energy systems
- Felix Engel, Marc Fuhrmanns, Dorothea Iglezakis, Angelina Kraft and Marius Politze
Advancing Interoperability in Engineering Sciences with a Common Information Model

PANEL DISCUSSION

Topics:

- **Beyond Keywords:** What problems are we really trying to solve with semantic models in RDM that cannot be adequately addressed by traditional metadata schemes? (e.g., ambiguity, lack of context, difficulty in integration across datasets)
- **Types of Semantic Models:** What are the most relevant types of semantic models for RDM (e.g., ontologies, controlled vocabularies, knowledge graphs, taxonomies)? When is each most appropriate, and what are their respective strengths and weaknesses in a RDM context?

- **User Adoption and Engagement:** What are the biggest hurdles to widespread adoption of semantic technologies by researchers? How can we demonstrate the value proposition and reduce the learning curve?
- **AI and Machine Learning:** How will advancements in AI and machine learning (e.g., natural language processing, automated knowledge graph construction) impact the creation and application of semantic models in RDM?
- **The "Holy Grail":** Towards a Global Knowledge Graph for Research? Is a truly integrated, global knowledge graph for research data an achievable vision, or a utopian dream? What steps are crucial to move closer to this ideal?

Impact of RDM (Location tbd)

TALKS (15 minutes each, including Q&A)

- Franziska Fritzsche, Dominik Obeth, Jan Biela, Lennart Stoy, Patricia Scheiber and Niko Wilke
NFDI as a Learning System. Results and Lessons Learned from the Evaluation of Base4NFDI
- Hilary Hanahoe and Rosie Hicks
Research data management across borders and cultures: Working globally to find local solutions

POSTER PITCH ROUND #1 (3 minutes each)

- Angelie Kraft, Rana Abdullah, Nele Suffo, Manuel Bohn, Charlotte Gohr, Henrik von Wehrden, Raia Abu Ahmad, Ekaterina Borisova, Daniel Schneider, Georg Rehm and Ricardo Usbeck
Exploring the Impact of RDM Across Domains - Tales from the NFDI4DS Speedboat Projects
- Sebastian Seltmann, Emily Kormanyos and Hendrik Christian Doll
Leveraging Large Language Models to Extract Data Citations
- Linna Lu, Amanda Wein and Oliver Werth
Examining Data Sharing and Open Access Publishing in Energy Research: A Bibliometric Analysis of Current Practices

TALKS (15 minutes each, including Q&A)

- Tobias Hamann, Matthias Fuchs, Évariste Demandt, Anas Abdelrazeq and Robert Schmitt
Reflecting on Key Performance Indicators for Research Data Management Initiatives
- Peter Pelz, Norbert Kockmann, Jan Bernoth, Vitaly Biniyaminov, Hendrik Borgelt, Franziska Eberl, Sara Espinoza, Michael Goedicke, Nicole Jung and Sascha Lamm
FAIR Data and Software Management in the Process Industry

POSTER PITCH ROUND #2. (3 minutes each)

- Kristina Fischer, Anja Gerber, Thomas Koprucki, Andreas Noback, Marco Reidelbach, Torsten Schrade and Florian Thiery

Windows on Data: Federating Research Data with FAIR Digital Objects and Linked Open Data

- Gabriel Preuß, Oonagh Brendike-Mannix, Markus Kubin, Mojeeb R. Sedeqi and Pascal Ehlers
The HMC Dashboard on Open and FAIR Data - Support and Insights for the Helmholtz Data Landscape
- Florian Maurer, Paolo Dolcet, Mariam Schulte, Vitaly Biniyaminov and Jan-Dierk Grunwaldt
LabIMotion: Enhancing Research Data Management in Catalysis with a Customizable Electronic Lab Notebook
- Till Biskup
Is Research Data Management Ruining Science?

Life Sciences (Location tbd)

WORKSHOP: Workshop on Synergies in Life Sciences - Joint strategies and services for national and European collaboration between NFDI consortia

Description:

Of the 26 NFDI consortia, eight are affiliated with the life sciences and are already advancing the concept of oneNFDI through collaboration within various thematic clusters. To further strengthen and expand these efforts, this workshop will feature brief lightening talks highlighting past and ongoing initiatives, and will serve as a forum for the structured development of action lines at both the national and European levels. The following topics will be discussed:

- What are the key challenges for integrated and interdisciplinary research in the life sciences?
- How can engagement within the designated research communities be strengthened?
- Where are the overlaps in services, infrastructures or standards?
- Which topics are suitable for coordinated activities or joint offerings?
- How can the visibility of our NFDI services be increased on different levels – e.g. towards scientific communities and at local institutions in European initiatives (ELIXIR, ESOC) or political stakeholders?
- How can funding bodies be engaged to support consolidation and standardisation in the field by clearly communicating current challenges and ensuring they are reflected in future funding programs?

The workshop is aimed at representatives from all life science disciplines who wish to contribute to the discussion on possible synergies and cross-cutting collaborations.

Led by: Christian Busse, Barbara Ebert, Frank Ewert, Juliane Fluck, Konrad U. Förstner, Oliver Kohlbacher, Björn Usadel and Stefanie Weidtkamp-Peters.

Including: Marcus Schmidt, Birte Lindstädt, Judith Engel and Klaus Getzlaff
Enhancing user support across research domains – The Geo-Chem-Life Science helpdesk cluster

Late afternoon (16:00 - 17:30h)

RDM in Context: Changing Minds, Changing Practices: Culture and Community in Research Data Management (Location tbd)

TALKS (12 minutes each, including Q&A)

- Valerie Boda, Alexandra Büttner, Maximilian Frank, Bernhard Miller, Julia Mohrbacher, Daniel Nüst, Zahia Schlott, Jörg Seegert and Wolf Zinke
Growing Cultural Change: Sustainable Research Data Management Rooted in Governance, Incentives, and Training
- Theo Bender, Maximilian Frank, Bernhard Miller, Johannes Vosskuhl and Sandra Zänkert
Errare Humanum est: Concrete Steps to Establishing a Positive Error Culture
- 41 Anne Sennhenn, Oliver Kirchgessner, Manuela König, Carsten Hoffmann, James M Anderson and Ulrike Stahl
From Numbers to Norms: A Community Journey driving Cultural Change towards FAIR and collaborative Research Data Management – Insights and Evidence from FAIRagro
- Helena Schnitzer and Nils-Christian Lübke
Empowering FAIR Life Science Data: Collaborative RDM in de.NBI/ELIXIR Germany
- Patrick Helling and Marina Lemaire
Developing Guidelines for Research Data Management Counseling Services - A Community Driven Approach
- Lea Sophie Singson, Lucia Vedder, Wahib Sahwan, Elena Rey Mazon, Nikolai Svoboda and Marcus Schmidt
FAIRagro's Power of Support - Cultural Change through more and merrier Helpdesk Customers in the Agrosystem Science

POSTER PITCH (2 minutes each)

- Benjamin Golub-Overbeck, Carolin Hundt, Erik Lorenz, Marcus Schmidt and Barbara Weiner
Navigating the Data Literacy Landscape: Connecting Institutions, Experts, and Services via Maps and Catalogues
- Christiane Weber, Fabian Fricke, Doris Hartmann, Anna-Lena Körfer and Daniela Schulz
Ein Ziel, zwei Wege – FDM Förderung im Vergleich. Strukturelle Analyse und lessons-learned der NFDI4Memory FAIR Data Fellowships und NFDI4Objects Dataships
- Evgeny Bobrov and Patrick Helling
Analysis of RDM counselling protocols - A standardized model of categories
- Sangeetha Shankar, Silke Christine Gerlich, Markus Kubin, Lucas Kulla, Christine Lemster, Andreas Schmidt, Jan Schweikert and Karl-Uwe Stucky
Research Data Management in Helmholtz – Findings from Data Professionals Survey 2024
- Cora F. Krömer and Béla Koch
Streamlining RDM Support: Implementing a Ticket System and a Knowledge Base for the bwFDM-Helpdesk
- Justine Vandendorpe, Isabel Schober and Maja Magel
NFDI4Microbiota Helpdesk: Centralized Support for Microbial Research Data Management
- Martha Stellmacher and Katja Sternitzke

From Questions to Confidence. A Résumé of 5 Years NFDI4Culture Helpdesk

- Maximilian Frank and Heidi Seibold
The German Reproducibility Network: Strengthening Research Data Management through Cross-Disciplinary Collaboration and Open Science Education

Engineering Sciences: RDM in Engineering - Use cases and practical applications (demos) (Location tbd)

DEMONSTRATIONS (15 minutes each including Q&A)

- Sima Attar-Khorasani and Matthias Lieber: *Supporting the AI Research Lifecycle with Kubernetes- and HPC-Backed Infrastructure in NFDI4DataScience Landscape*
- Corinna Seiwerth, Jan Sören Schwarz, Laura Fuentes Grau, Reinhard German, Sebastian Lehnhoff, Antonello Monti and Astrid Nieße: *Developing a Workflow for Using Simulation in Research*
- Abril Azocar Guzman, Angelika Gedsun, Sarath Menon, Pavlina Kruzikova, Khalil Rejiba, Yusra Shakeel, Niklas Siemer, Markus Kuhbach, Mariano Forti, Luis Avila Calderon, Amirhossein Bayani, Alaukik Saxena, Ying Han, Ebrahim Norouzi, Jurgen Olbricht, Thomas Hammerschmidt, Rossella Aversa, Ulrich Kerzel, Sandra Korte-Kerzel, Birgit Skrotzki, Stefan Sandfeld, Tilmann Hickel and Chris Eberl: *Community-Driven Development of Infrastructure Use Cases in NFDI-MatWerk*
- Max Leo Wawer, Rayen Hamlaoui, Atefeh Gooran Orimi, Johanna Wurst and Roland Lachmayer: *RDM system to ensure maturity - A use case from field experiments in engineering research*
- Chris Eberl, Michael Luke, Tilmann Hickel, Mario Moser, Robert Schmitt, Peter Pelz and Sonja Herres-Pawlis: *Circular economy in the automotive industry*
- Marius Politze and Andreas Noback: *Connecting FAIR Digital Objects and Data Products for Engineering Sciences*

Humanities and Social Sciences: Machine-actionable data and tools for the humanities (Location tbd)

This session explores solutions for enhancing RDM and interoperability across humanities research. It is structured into two complementary parts, each focusing on specific aspects: the first part addresses practical methodologies, tools, and environments for digital workflows and FAIR practices in the humanities. The second part explores semantic technologies and the challenges involved in building distributed knowledge graph infrastructures for humanities data.

SESSION 1: Workflows and cross-domain tools (Talks, 10 min each)

- Daniela Schneider
The Open Source Platform Galaxy: A Gateway to Digital Humanities and Research Data Management
- Lukas Weimer, José Calvo Tello, Stefan Buddenbohm, Daniel Kurzawe and Ubbo Veentjer

Making the Repository Programmable. The TextGrid Repository as a multi-layered Research Environment

- Florian Thiery, Lutz K. Schubert, Agnes Schneider, Jürgen Landauer, Karsten Tolle, Sebastian Gampe, Fiona Schenk and Peter Thiery
RDM within Computational Archaeology: The Role of RDM in Archaeological RSE for Data FAIRification while creating FAIR4RS Code

SESSION 2: Semantic technologies and linked data (Talks, 10 min each)

- Barbara Katharina Fischer, Thomas Eckart, Erik Körner, Stefan Buddenbohm, Susanne Al-Eryani and Tobias Gradl
Authority Files and the Text+ Data Space
- Florian Thiery, Lozana Rossenova, Daniel Mietchen, Timo Homburg and Peter Thiery
Distributed Research Data Knowledge Graphs - Challenges of federated queries using the Wikiverse and OpenStreetMap within the NFDI Knowledge Graph Ecosystem
- Olaf Simons and Katrin Moeller
Wikibase - the best software to communicate with the upcoming knowledge graphs?

SYNOPSIS (30min)

- Speakers will jointly address key questions under the themes of:
 - Interoperability and Integration
 - Sustainability and Scalability
 - Community Engagement and Accessibility
 - Future Directions and Challenges

RDM Infrastructures: Platforms & PIDs (Location tbd)

TALKS: RDM Platform in Anger (10 minutes each)

- Hector Correa
Building the Princeton Data Commons: Research Data Infrastructure, Research Data Commons, Metadata, Agile
- Oliver Knodel, David Pape, Martin Voigt, Thomas Gruber, Stefan E. Mueller, Maik Fiedler, Hans-Peter Schlenvoigt and Guido Juckeland
Navigating the Data Patchwork - Strategies for Integrating Metadata Catalogs, Data Publications, and Archives
- Mario Moser, Tobias Hamann, Anas Abdelrazeq and Robert H. Schmitt
The industrial Data Mesh concept as blueprint for data publishing infrastructure in the engineering sciences

LIGHTNING TALKS: RDM Updates (5 minutes each)

- Julian Schneider, Johannes Darms, Vera Clemens, Nils Wehrmeyer, Ataul Haleem, Angela Kranz, Björn Usadel, Juliane Fluck
From RDM Software to Semantic Portals - Leveraging Dataverse as a Flexible Framework for Research Data Discovery

- Ahmed Saleh, Dirk von Suchodoletz, Ines Pisetta, Thorsten Trippel, Jan Leendertse, Jonathan Bauer and Klaus Tochtermann
InvenioRDM in NFDI: Advancing FAIR Data Across Domains
- Gerald Jagusch and Martin Spenger
10 years of RDMO - The Research Data Management Organiser as software and community
- Jose Marquez Prieto, Lauri Himanen, Joseph F. Rudzinski, Hampus Näsström, Sebastian Brückner, Sandor Brockhauser, Ahmed Mansour, Markus Scheidgen, Martin Albrecht, Silvana Botti, Christoph T. Koch, Claudia Draxl and The Fairmat Team NOMAD
A Modular Infrastructure Ecosystem for FAIR Research Data Management

PID PANEL

A panel about the state of the art of PID infrastructure and the future thereof featuring:

- Said Fathalla, Mustafa Soylu, Volker Hofmann and Stefan Sandfeld, *PIDA: Reliably Addressing the Challenges of Persistent Semantic Artifact Referencing*
- Emanuel Söding, Andrea Poersch, Dorothee Kottmeier, Stanislav Malinovichii and Sören Lorenz
Establishing Workflows to Engage Stakeholder Groups in PID Metadata Maintenance
- Preston Rodrigues, David Linke and Thomas Bönisch
Persistent Identifier (PID) - A journey of making data machine- actionable
- Moritz Schubotz, Sven Bingert and Tim Conrad
Persistent Identifiers and Knowledge Graphs - Investigating synergies between the NFDI basic services PID4NFDI and KGI4NFDI
- Janete Saldanha Bach, Peter Mutschke, Yudong Zhang, Erdal Baran, Knut Wenzig and Noemi Betancort Cabrera
Advancing data findability and re-use by PIDs at lower granularity levels

Wednesday, 27.08.2025

Programme

08:00-09:00h	Registration <i>Location tbd</i>			
09:00-10:30h	Poster Session <i>Location tbd</i>			
10:30-11:00h	Coffee break <i>Location tbd</i>			
11:00-12:30h	Educating RDM <i>Location tbd</i>	RDM in Context <i>Location tbd</i>	Humanities and Social Sciences <i>Location tbd</i>	RDM Infrastructures <i>Location tbd</i>
12:30-14:00h	Lunch Market of opportunities <i>Location tbd</i>			
14:00-15:30h	Natural Sciences <i>Location tbd</i>	RDM Infrastructures <i>Location tbd</i>	Life Sciences <i>Location tbd</i>	DFG Pinboard Conversations <i>Location tbd</i>
15:30-16:00h	Coffee break Market of opportunities <i>Location tbd</i>			

16:00-17:00h	Fishbowl discussion (DFG) <i>Location tbd</i>
17:00-17:30h	Digital Sovereignty: Resilience in research data infrastructures Panel discussion <i>Location tbd</i>
17:30-18:00h	Break
18:00-21:00h	Evening Event: Barbecue Dinner at WZL <i>Location tbd</i>

Session Details

Morning (11:00 - 12:30)

Educating RDM: Novel Approaches for training & education in RDM (Location tbd)

TALKS (20 minutes each including Q&A)

- Stefano Della Chiesa
Research Data Management Through the Re-search Output Management Planning (ROMPi) Lens A Holistic Approach to Data Literacy
- Jessica Stegemann, Julia Stapels, Tuba Güden-Silber, Sarah Ann Stock, Wibke Kleina and Elena Schick
Training courses on RDM for researchers as a cross-location task - the RDM curriculum of the UA Ruhr
- Sophie Boße, Lea Sophie Singson, Jonas Kuppler and Daniel Tschink
Don't panic! A Survival Guide for Law and Ethics in Research another step towards "OneNFDI" through interconsortial trainings

LIGHTNING TALKS (6 minutes each, followed by a joint Q&A)

- Jan Bernoth, Bettina Buchholz, Maria Chlastak, Christine Hennig, Alicia Janz, Ulrike Lucke, Evgenia Samoilova and Sonja Schimmler
Let's Talk About Research Software Competencies

- Teresa Müller and Saskia Hiltemann
RDM Education with the Galaxy Training Network (GTN) – FAIR and scalable RDM training with Galaxy, GTN and TlaaS
- Monica Gonzalez-Marquez and Ines Schmahl
Using science reading to lay the foundation for effective reuse of scientific information: Access to the data alone is not enough to correctly reuse it, we must understand how the data were derived
- Monica Gonzalez-Marquez, Ines Schmahl, Jeff Bye, Björn Brembs, Anouschka Foltz, Ali Fulsher, Rina Harsch and Inês Silva
The Heliocentric Model of Open Science Documentation Conceptual Structures for Effective RDM

RDM in Context: Metadata Matters: Standards, Schemas, and Synergy for Research at scale (Location tbd)

TALKS (15 minutes each including Q&A)

- Andreas Czerniak, Leyla Jael Castro, Heike Fliegl, Jonas Grieb, Christin Henzen, Oliver Koepler, Josh Moore, Emanuel Söding, Ulrik Stervbo, Thorsten Trippel and Cord Wiljes
Building Bridges through Metadata within the NFDI
- Stephan Ferenz, Leyla Jael Castro, Hamideh Hajiabadi, Matthias Löbe, Ulrik Stervbo, Lu Gan and Florian Thiery
Towards Common Metadata For Research Software in the NFDI
- Leyla Jael Castro, Alban Gaignard, Nick Juty, Helena Schnitzer, Phil Reed and Carole Goble
Bioschemas and Schemas.science at NFDI
- Dhvani Solanki, Jenifer Tabitha Ciuciu-Kiss, Nelson Quiñones, Rohitha Ravinder, Suhasini Venkatesh, Dietrich Rebholz-Schuhmann, Daniel Garijo and Leyla Jael Castro
FAIR4ML, a vocabulary to describe Machine/Deep Learning models
- Mari Wigham and Maria Eskevich
Better Use of Research Data through Better Context
- Matthias Löbe, Martin Golebiewski and Uli Sax
Profiling W3C DCAT for use in specific domains – Experience with the HealthDCAT-AP draft standard for the Europe-an Health Data Space (EHDS)

Humanities and Social Sciences: Secure, responsible, and trusted environments for social sciences and health data (Location tbd)

This cross-disciplinary session between social sciences and life sciences addresses technical, practical, legal, and ethical challenges associated with the use and linkage of sensitive data. Lightning talks will explore institutional, technical, and governance environments to enable secure, remote, and federated access to sensitive data, while balancing data protection requirements with scientific and societal needs.

LIGHTNING TALKS (10 minutes each)

- Hanna Brenzel, Marie-Christine Laible and Philipp Vom Berge
Remote Access to Official German Microdata - Challenges, Solutions and Brick Walls

- Hanna Brenzel, Philipp Vom Berge and Marie-Christine Laible
Data Linkage in the Social Sciences - Hurdles and Overcoming Them
- Maria Christoforaki, Stephanie von Maltzan and Hannes Oellerich
ELSA and the Data Scientist: A Qualitative Approach
- Deborah Wiltshire and Kristi Winters
Testing Prototypes for Exploring Federated Access to Sensitive Data via Trusted Research Environments
- Lukas Kiefer, Ann-Cathrin Maier, Sophie Tavakoli, Niamh Sulzbach, Stefan Geibel and Eva Winkler
Applying Fiduciary Concepts to Health RDM - Mapping and Evaluation

PANEL DISCUSSION with all presenters (40 min)

- Presenters will reflect on key challenges and opportunities highlighted throughout their talks. The aim is to identify shared priorities and effective strategies for secure and trusted data environments.

RDM Infrastructures: Workflows & Reproducibility (*Location tbd*)

WORKFLOW UPDATES

- ONE Galaxy Talk (10 Minutes)
Sanjay Kumar Srikakulam, Björn Grüning, Paul Zierep, Mira Kuntz, Sanjay Kumar Srikakulam, Björn Grüning, Tilo Mathes, Björn Grüning and José Manuel Domínguez
- Short CWL update (5 minutes)
Jens Krumsieck, Antonia Leidel, Patrick König and Harald von Waldow
- Short Aruna update (5 minutes)
Maria Hansen, Lukas Brehm, Sebastian Beyvers, Jannis Hochmuth, Adrian Röth, Alexander Goesmann and Frank Förster

WORKSHOP: Reuse and Reproducibility Rumble (40 minutes)

- Led by: Michael Goedicke, Jan Bernoth, Ulrike Lucke, Philipp Wieder and Björn Grüning,

ELN ECOSYSTEM

- Survey of ELN features (10 minutes)
 - Sven Paßmann and Fadwa Alshawaf
Electronic Lab Notebooks: Needs Analysis and Researcher Survey at the Berlin University Alliance
- Lightning Talks (3 minutes each)
 - Sabrina Zander, Xiaoran Zhou, Heinrich Lukas Weil, Robert Walter, Angela Kranz, Timo Mühlhaus and Björn Usadel *elab2ARC: Bridging Electronic Lab Notebooks to FAIR Digital Objects*
 - Henrik Tom Wörden, Alexander Schlemmer and Timm Fitschen
From data acquisition to data space publication

- Yuliia Tymoshenko, Frank Weber, Josef Baudisch, Astrid Schneidewind and Wiebke Lohstroh
Documenting experiments: ELN and Metadata schemata on the example of TAS
- Caterina Barillari, Rostyslav Kuzyakiv, Sergio Maffioletti and Bernd Rinn
Enhancing Research Data Management: Lessons from ELN/LIMS Implementation in Academic Research Labs
- Rory Macneil and Stephan Hachinger
Integrating Research Data Management into Research Infrastructures: RSpace as a Bridge Between Research Tools, Institutional Storage Solutions, High Performance Computing, and Data Repositories
- Hamed Jalali, Simon Pirkl, Ursula Eberhardt, Holger Gauza, Halima Saker, Adam Svahn, Alexander Kirbis, Suvasini Thangaraj, Lucas Beuter, Eric Kemen and Jens Krüger
Integration Hurdles: Merging Research Data Management and eLabFTW

Afternoon (14:00 - 15:30)

Natural Sciences: Physics (Location tbd)

TALKS (20 minutes each including Q&A)

- Yannick Meinerzhagen, Noah Nachtigall, Shubhayu Das and Andreas Houben
Neutron Powder Diffraction Tools
- Abhijeet Gaur, Sebastian Paripsa, Frank Förste, Dmitry Doronkin, Wolfgang Malzer, Christopher Schlesiger, Birgit Kanngießer, Edmund Welter, Dirk Lützenkirchen-Hecht and Jan-Dierk Grunwaldt
RefXAS - XAS reference database under DAPHNE4NFDI
- Heiko Weber
NeXus and NOMAD: Research Data Management Workflows for Standardised Multidimensional Characterization Techniques
- Nicola J. Knight, Juan Bicarregui, Simon J. Coles, Wenkai Zhang, Brian Matthews and Jeremy G. Frey
The Physical Sciences Data Infrastructure (PSDI) in the UK: Resources to accelerate physical sciences research

RDM Infrastructures: AI in Research Data Management (Location tbd)

INTERACTIVE SESSION: This interactive session reflects on the RDM Lifecycle featuring the following contributions.

- Nelson Quiñones, Lukas Geist, Rohitha Ravinder, Dhvani Solanki, Suhasini Venkatesh, Dietrich Rebholz-Schuhmann and Leyla Jael Castro
MLentory: NFDI4DS registry for machine learning models and related artifacts
- Sarthak Kapoor, Hampus Näsström, Andrea Albino, Ahmed Ilyas, Jose Pizarro Blanco, Markus Scheidgen, Lauri Himanen, Sebastian Brückner, Martin Albrecht, Claudia Draxl and José A. Márquez
Harnessing NOMAD as a Collaborative Platform for Scientific Machine Learning
- Soo-Yon Kim, Martin Görz and Sandra Geisler
KONDA: An LLM-based Tool for Semantic Annotation and Knowledge Graph Creation Using Ontologies for Research Data

- Christian Beilschmidt, Dominik Brandenstein, Johannes Drönner, Michael Mattig and Bernhard Seeger
Integrating AI into Research Data Workflows: Leveraging ONNX Models within Geo Engine for Analyzing Biodiversity Data
- Beatrice Radice, Martin Golebiewski and Wolfgang Müller
Developing a tool supporting mapping metadata schemes for health data - The use of Large Language Models to support metadata mappings
- Wolfgang Otto, Sharmila Upadhyaya, Lu Gan and Kanishka Silva
Track Machine Learning in Your Research Domain
- Hans Meine, Yongli Mou, Guido Prause and Horst Hahn
On the Encapsulation of Medical Imaging AI Algorithms

Life Sciences: Marketplace for FAIR data in the Life Sciences: National and International Initiatives and Technical Solutions (Location tbd)

MARKETPLACE: Marketplace for FAIR data in the Life Sciences: National and International Initiatives and Technical Solutions

Description:

The marketplace offers insights into initiatives aimed at linking national developments with European research infrastructures, engaging the scientific community in infrastructure development, and advancing technical solutions for research data management across various disciplines in the life sciences.

The contributions highlight platforms and practices that improve the transparency, accessibility, and interoperability of diverse data types—from biosamples in clinical cancer research to digital biodiversity records and high-throughput omics datasets. Demonstrations include tools for real-time metadata tracking, web-based FAIR digital objects, workflow automation, and domain-specific research data infrastructures.

Contributors and Demonstrations:

- Rohitha Ravinder, Daniel Bauer, Jonas Grieb, Nelson Quiñones, Stian Soiland-Reyes, Claus Weiland and Leyla Jael Castro
Use of webby FDOs in NFDI - Use cases in Biodiversity and Data Science
- Lize-Mari van der Linden, André Schulze, Marie Luise Müller, Rambabu Rajaboopathy, Shreyas Raju, Ann Wierick, Johanna Brandenburg, Rayan Younis, Frank H. P. Fitzek, Shu-Chen Li, Jürgen Weitz, Stefanie Speidel and Martin Wagner
Integrated Management of Research Instrumentation, Software, and Data for Surgical Data Science and Tactile Internet for Surgery
- Daniel Bauer, Jonas Grieb, Claus Weiland, Daniel Martini and Markus Möller
Fostering FAIRification and AI-Readiness of Agrosystems Research Data
- Mohamed M. Abdrabbou, Mehrnaz Babaki, Tom Boissonnet, Michele Bortolomeazzi, Jean-Marie Burel, Eik Dahms, Vanessa Fuchs, Niraj Kandpal, Christoph Möhl, Josh Moore, Timo Mühlhaus, Astrid Schauss, Kevin Schneider, Andrea Schrader, Torsten Stöter, Monica Valencia-Schneider, Stefanie Weidtkamp-Peters, Heinrich Lukas Weil and Peter Zentis

Multi-Modal Data Integration and Machine Readability between OMERO and ARC

- Saim Momin, Wolfgang Maier, Daniela Schneider and Björn Grüning
Advancing Interdisciplinary Research using Galaxy
- Fen Zhang, Roxanne Wyns and Kaat Alaerts
Building a FAIR-compliant Digital Repository for Oxytocin Neuroimaging Data
- Stella Eggels, Dominik Brilhaus, Xiao-Ran Zhou, Hannah Dörpholz, Kathryn Dumschott, Kevin Frey, Timo Mühlhaus, Björn Usadel and Angela Kranz
Templates for best practice metadata annotation in plant sciences - Enhancing FAIRness of data through DataPLANT's metadata tools
- Florian Heyl, Jonas Gassenschmidt, Lukas Heine, Frederik Voigt, Jens Kleesiek, Oliver Stegle, Jens Siveke, Melanie Boerries, Roland Schwarz and Laura Godfrey
LiMeTrack: A lightweight biosample management platform for the multicenter SATURN3 consortium
- Juliane Fluck, Johannes Darms, Martin Golebiewski, Carsten Oliver Schmidt, Carina Nina Vorisek, Matthias Löbe, Ulrich Sax and Iris Pigeot
Challenges and opportunities of integrating NFDI4Health into the European Health Data Space
- Ivaylo Kostadinov, Jakob Schwabauer and Marc Weber
Bugs in the cloud: Leveraging the infrastructure, services and expert network of NFDI4Biodiversity to provision 3D scans of valuable insect collections

DFG Pinboard Conversations (Location tbd) and DFG Fishbowl (Location tbd)

Discussing success: What makes an NFDI consortium “successful”?

The two-part event format aims to identify key success factors and criteria for NFDI consortia in collaboration with the conference participants. It focuses on two questions:

- a) How can the great variety of activities of the NFDI consortia be given even greater prominence?
- b) How can such activities be taken optimally into account in assessment processes?

The event format consists of two parts, which are linked in their content but can also be attended independently of each other.

PINBOARD CONVERSATIONS

The “pinboard conversations” will give participants the opportunity to collect success factors and success criteria of NFDI consortia on the pinboards in dialog with members of the NFDI Expert Committee and the DFG Head Office. The focus should be on practically-oriented examples and possible solutions regarding the following topics:

- Continuous orientation towards the needs of the community
- Balance between consolidation and dynamic (further) development
- Strengthening the NFDI as an anchor point for mutual interconnection
- Long-term accessibility and (re)use of services

FISHBOWL DISCUSSION

After a coffee break, in a fishbowl discussion initiated by short opening statements of members of the NFDI Expert Committee three questions will be discussed with the participants:

- How can the success of NFDI consortia be characterized and measured?
- What are the key factors for the success of NFDI consortia?
- What role do these questions play in the long-term establishment and strengthening of the overall NFDI system in terms of “OneNFDI” beyond 2028?

Digital Sovereignty: Resilience in research data infrastructures

PANEL DISCUSSION

This panel discussion centers on the issue of how digital sovereignty can be strengthened by maintaining and shaping our own data infrastructures. The key question is „How can science secure its digital sovereignty with regard to research data (infrastructures)?“

Thursday, 28.08.2025

Programme

08:00-09:00h	Registration <i>Location tbd</i>			
09:00-10:00h	Keynote: Cathrin Stöver, GÉANT “GÉANT in a nutshell: Why dedicated connectivity and services for science and education are indispensable for Europe’s scientific leadership” More Information <i>Location tbd</i>			
10:00-10:30h	Coffee break <i>Location tbd</i>			
10:30-12:00h	Educating RDM <i>Location tbd</i>	RDM Infrastructures <i>Location tbd</i>	RDM Infrastructures <i>Location tbd</i>	Natural Sciences <i>Location tbd</i>
12:00-13:30h	Lunch Market of Opportunities <i>Location tbd</i>			
13:30-15:00h	RDM Infrastructures <i>Location tbd</i>	RDM in Context <i>Location tbd</i>	Natural Sciences <i>Location tbd</i>	Base4NFDI <i>Location tbd</i>

15:00-15:30h	Coffee break Market of Opportunities <i>Location tbd</i>
15:30-16:00h	Closing <i>Location tbd</i>

Session Details

Morning (10:30 - 12:00)

Educating RDM: Design, develop, deliver: from Competencies to infrastructure (Location tbd)

TALKS (20 minutes each, including Q&A)

- Ute Trautwein-Bruns, Canan Hastik, Benjamin Slowig, Cord Wiljes, Sophie Boße and Britta Petersen
Learning Objectives Matrix on RDM - Community of Practice and Subject-specific Adaptations
- Mareike Wohltmann, Sina Bock, Mirjam Blümm, Justine Vandendorpe, Birte Lindstädt, Rabea Müller and Konrad U. Förstner
Lost in Training? RDMTraining4NFDI - a base service for modular certified training
- Henrika Maria Hüppe, Jochen Ortmeyer, Jan-Michael Haugwitz, Matthias Müller, Gábor Kismihók, Ulrich Sax, Torsten Schrade, Thomas Stäcker, Peter F. Pelz and Sonja Herres-Pawlis
DALIA Search Platform: Data literacy for all from the very beginning

LIGHTNING TALKS (6 minutes each followed by a joint Q&A)

- Björn Schembera and Christiane Görgen
Teaching and Training (TnT) and I'll win the Fight: Teaching and Training Research Data Management in Mathematics
- Longwei Cong, Maximilian M. G. Kuhr, Andreas Noback and Peter F. Pelz
Praktikum Digitalisierung: Data Literacy right from the start
- Jochen Ortmeyer, Fabian Fink, Alexander Hoffmann and Sonja Herres-Pawlis
Curricular and subcurricular teaching of RDM in chemistry to reach the next generation
- Sonja Herres-Pawlis, Maciej Zubilewicz, Petra Steiner, Torsten Schrade, Henrika Hüppe, Lukas Bossert, Marius Politze and Matthias Müller
Safeguarding Quality of OER Materials in DALIA: A Federated Curation Concept

RDM Infrastructures: Data Infrastructure & Knowledge Graphs (Location tbd)

BRIEFING TALKS: Data Infrastructures at Scale (each 10 minutes)

- Julia Thönnißen, Sarah Oliveira, Alexander Oberstrass, Jan-Oliver Kropp, Xiao Gui, Christian Schiffer and Timo Dickscheid
A Perspective on FAIR and Scalable Access to Large Image Data
- Stephan Hachinger, Bernd Schuller, Alexander Wellmann, Frank Scheiner, Johannes Munke, Volodymyr Kushnarenko, Sander Apweiler and Thomas Bönisch
FAIR Data at Germany's Largest Supercomputing Centres - A Building Block for the NFDI
- Wiebke Lohstroh, Josef Baudisch, Sebastian Busch, Christian Felder, Jens Krüger, Mohamed Ouaki, Björn Pedersen, Astrid Schneidewind, Christian Trageser and Alexander Zaft
Data Management Solutions for Neutron Research at the Heinz Maier-Leibnitz Zentrum (MLZ)
- Baida Achkar, Manuel Giffels, Arnulf Quadts and Sebastian Wozniowski
EXPLORE: A Scalable Infrastructure for LHC Open Data Analysis and FAIR Data provisioning

TALKS: Knowledge Graphs - Context setting talk from the NFDI Knowledge Graphs Working Group (15 minutes)

- Lozana Rossenova, Fidan Limani, Carsten Fortmann-Grote, Angelika Kaplan, Florian Thiery, Atif Latif, Renat Shigapov, Benjamin Zapilko, Moritz Schubotz, Heike Fliegl and Tabea Tietz
How are NFDI consortia using Knowledge Graphs?: An overview of common functions and challenges by the Working Group "Knowledge Graphs"

PITCHES: Knowledge Graph specific pitches

The Helmholtz Knowledge Graph (10 mins)

- Volker Hofmann, Mustafa Soylu, Gabriel Preuß, Said Fathalla, Lucas Kulla, Fiona Dmello and Stefan Sandfeld
The Helmholtz Knowledge Graph - towards a Helmholtz FAIR data space

Hugging Face Knowledge Graph (10 mins)

- Muhammad Asif Suryani, Kanishka Silva and Brigitte Mathiak
Harmonizing Research Artifacts from Open Repositories to Enhance Interdisciplinary Research and RDM Infrastructure

NFDI4Memory Knowledge Graph (10 mins)

- Sarah Rebecca Ondraszek, Tabea Tietz, Etienne Posthumus, Heike Fliegl, Jörg Waitelonis and Harald Sack
Indexing Historical Research Data: MemO and the NFDI4Memory Knowledge Graph

RDM Infrastructures: Building and Sustaining RDM Ecosystems (Location tbd)

OPENING TALK (15 minutes)

- Alexander Bardel, Ilire Hasani-Mavriqi and Birgit Söser
Shared RDM Services & Infrastructure: Framework conditions for Shared RDM Services in Austria

TALKS (10 minutes each)

- Jan Leendertse, Dirk von Suchodoletz and Saskia Hiltemann
Building to last Strategic Approaches to a sustainably funded Institutional Research Data Management
- Philipp Wieder, Marius Politze, Sonja Schimmler and Michael Diepenbroek
Towards an Overall Architecture for the NFDI
- Mathijs Vleugel, Christoph Bruch, Lea Maria Ferguson, Steffi Genderjahn and Heinz Pampel
United by Data: Helmholtz and the NFDI

PANEL: Sustaining the RDM ecosystem (45 minutes)

Natural Sciences: Earth Science & Math (Location tbd)

TALKS (20 minutes each including Q&A)

- Pavan L. Veluvali, Jan Heiland and Peter Benner
Bridging Ontologies and Computational Workflows: A Framework for Semantic Enrichment and Reproducibility
- Björn Schembera, Frank Wübbeling, Aurela Shehu, Christine Biedinger, Jochen Fiedler, Marco Reidelbach, Burkhard Schmidt, Eloi Ferrer and Thomas Koprucki
FAIR Representation of Mathematical Research Data: MathModDB and MathAlgoDB as Knowledge Graphs for Mathematical Models and Numerical Algorithms
- Tilo Mathes and Rory Macneil
A FAIR Data Management Workflow for Field Research: From Field to Lab to Repository and Beyond
- Jochen Klar, Lisa Novak, Matthias Büchner and Inga Sauer
The ISIMIP Repository

Afternoon (13:30 - 15:00)

RDM Infrastructures: Assessment & People in RDM Infrastructures (Location tbd)

TALKS: Assessment (9 min each)

- Manuel Feser and Uwe Scholz
Introducing Scorpion: Harmonizing and Aggregating Key Performance Indicators Across the NFDI Ecosystem

- Évariste Demandt, Zeynep Dirier, Manuel Feser, Fabian Fricke, Michael Goedicke, Gabin Oumbe, Christian Schmidt, Torsten Schrade, Thorsten Trippel, Lisa Amelung, Cord Wiljes and Elena Wössner
Collaborative standardization of key performance indicator assessment within NFDI using NocoDB
- Elisa Kasbohm, Elena Salogni, Stephan Struckmann and Carsten Oliver Schmidt
Structured metadata for reproducible data quality assessments
- Janete Saldanha Bach, Brigitte Mathiak, Yudong Zhang, Peter Mutschke, Knut Wenzig, Tobias Koberg and Daniel Schiffne
Enhancing Data Findability through FAIR Signposting: experiences and best practices from KonsortSWD
- Martin Armbruster, Jan Bernoth, Michael Goedicke and Anne Koziolk
The NFDIXCS Artifact Evaluation Platform

TALKS: People in RDM Infrastructure (5 min each)

- Neelam Vishen, Thomas Bauer, Hannah Butz, Jana Tatscheck, André Giesler, Martin Reinhardt and Lisa Schwier
Facilitating Service Development: The Role of Service Stewards in Base4NFDI
- Tobias Hamann, Anas Abdelrazeq and Robert Schmitt
Proposing a digital data steward as a Service for project-oriented research
- Florian Thiery, Bernd Flemisch, Beate Hetényi, Corinna Seiwert, Roman Baum, Jan Bernoth, Stephan Ferenz, Jan Linxweiler, Martin Reinhardt and Lutz Schubert
RSE 4 Research Data Infrastructures - The Role of Research Software Engineers in creating FAIR Data with FAIR4RS Code

PANEL: Is AI changing the people game? (30 mins)

RDM in Context: Building Coherent Research Data Services from Local to Global (Location tbd)

In the session we want to discuss the different perspectives of institutional, local, regional, national, and international stakeholders and how we can create a coherent RDM ecosystem.

LIGHTNING TALKS (10 minutes each)

- Franziska Korb-King
Data Competence Center Come2Data - Connecting a local support structure with a focus on Saxony to the rest of the ((research) data) world
- Daniela Mertzen, Heike Neuroth, Carsten Schneemann, Janine Straka, Boris Jacob and Christine Burkart
Local and regional RDM services: Brandenburg on the way towards institutionalisation of sustainable research data handling
- Fadwa Alshawaf, Andrea Bölke, Claudia Börner, Malte Dreyer, Boris Jacob, Andreas Janke, Philipp Kandler, Janna Kienbaum, Petra Kuhnau, Anna Lehmann, Jule Nowoitnick, Sven Paßmann, Sibylle Söring, Britta Steinke and Janine Straka

The joint project “FDLink” - Strengthening the framework for cultural change and a shared service landscape

- Magdalene Cyra, Sophie Habinger, Robert Werth, Cora Krömer and Marina Lemaire
Creating Synergies: Successful collaborations between federal state initiatives and NFDI consortia
- Benjamin Slowig, Max Schröder, Till Biskup, Karen Bruhn, Carolin Gloede, Frank Krüger, Julia Matela, Fabian Schmitt, Dagmar Waltemath, Inken Wohlers, Kristina Yordanova, Thilo Paul-Stüve and Carsten Fortmann-Grote
Let's bring the communities together: The approach of the federal state initiatives for RDM in Schleswig-Holstein and Mecklenburg-Vorpommern
- Thomas M. Schimmer, Boelter Sarah, Oliver Claas, Judith Dähne, Jan-Ocko Heuer, Mareen Kahlisch, Katharina Koch, Frank Krüger, Roxana Lazarescu, Antje Lubahn, Julian Reichwald, Martin Reiter, Darina Schilirò, Diana Schmidt, Kathrin Schmitt, Felix Schreiber, Dörthe Schulz, Gabriele Stiller, Robert Werth and Ian Wolff
The Role of Universities of Applied Sciences in the Development of a national Research Data Infrastructure
- Celia van Gelder, Kimberley Zwiers, Fieke Schoots, Mijke Jetten, Petra Aarnoutse, Meike Bonger and Ruben Kok
Strengthening Data-driven Health and Life Sciences in the Netherlands: the role of TDCC-LSH

PANEL DISCUSSION: Session Chair + speakers + audience (20 minutes)

Natural Sciences: Chemistry and catalysis (Location tbd)

TALKS (18 minutes each including Q&A)

- Oliver Koepler, Felix Bach, Nicole Jung, Johannes Liermann, Steffen Neumann, Matthias Razum, Sonja Herres-Pawlis and Christoph Steinbeck
New Horizons in Chemistry: From Data Creation to Data Re-use in NFDI4Chem
- Sonja Herres-Pawlis and Gerd Blanke
The next generation of the IUPAC International Chemical Identifier (InChI)
- Julia Schumann, Michael Götte, Hampus Nässtrom, Lauri Himanen, Abdulrhman Moshantaf, Markus Scheidgen, José A. Márquez and Annette Trunschke
A Database and Repository for Catalysis Data in NOMAD
- Mohammad Khatamirad, Michael Geske, Frank Rosowski, Uwe Bornscheuer and Mark Doerr
An automated workflow for highly linked and semantically annotated data in catalysis - LARAsuite
- Philipp Treu and Erisa Saraci
FAIR for Experimentalists: Let's be Visual - Catalysis Lab Data meet Knowledge Graphs

Base4NFDI (Location tbd)

UC4BASE PRE-SESSION

Sustainable infrastructure services require more than just technical solutions. In this session, we will develop perspectives for the future design of Base4NFDI services based on international experiences:

- Framework conditions for successful infrastructure services
- Quality assurance, reliability and sustainable governance
- Strategies to foster acceptance and active use
- Operating models and permanent institutional anchoring

Poster Session

Humanities and Social Sciences

- Kristina Fischer and Lasse Mempel-Länger
A Human- and Machine-Readable Thesaurus for the Conservation of Archaeological Heritage - Development, Technical Implementation and Application in digital space
- Hanna Brenzel, Marie-Christine Laible, Bernhard Miller and Knut Wenzig
(Only) Quality Qualifies: Quality Assurance in the Research Data Center Network
- Kerstin Beck, Ute Hoffstätter, Daniel Buck and Pascal Siegers
Promoting Trust and Quality: A Case Study on the Challenges of Achieving CoreTrustSeal Certification by Social Science Data Centres
- Jonas Kuhn, Antonia Markus and Esther Borowski
Humanzentriertes Design von Forschungsdatenmanagementsystemen: Ein Ansatz zur Steigerung von Transparenz, Nachvollziehbarkeit und Dokumentation in ingenieurwissenschaftlichen Simulationsprozessen
- Robert Werth, Katharina Schuckmann and Hans März
Entering new territory: Experiences from the GesundFDM project

Natural Sciences

- Anette Ganske, Alexander Wolodkin, Angelina Kraft and Hannes Thiemann
Enhancing Interoperability in Earth System Sciences: The BITS Project and the Role of the TIB Terminology Service
- Klaus Getzlaff, Hela Mehrtens, Sören Lorenz, Ralf Klammer, Ines Langer, Stefan Kern, Sibylle Haßler, Ivonne Anders, Christiane Schmidt, Manja Placke and Johannes Munke
Cross-disciplinary user support network in NFDI4Earth

Life Sciences

- Anne Sennhenn and Benjamin Leroy
o-Creation in Practice: How Use Cases Drive FAIR Data Solutions with and for the Agricultural Research Community
- Aditi Methi
A Robust Research Data Infrastructure for the SyNergy Excellence Cluster
- Daniel Parthier, René Bernard and Dietmar Schmitz
Integration of Data Management Approaches in Pre-Clinical Laboratory Workflows
- Robert Wagner, Mohsen Ahmadi, Dagmar Waltemath, Kristina Yordanova and Markus M. Becker
Linking of Research (Meta-)data in OMERO to Foster FAIR Data in Plasma Science

Engineering Sciences

- Alexander Nasuta, Hans Aoyang Zhou, Anas Abdelrazeq and Robert H. Schmitt
A Python Toolkit for Standardized Job Shop Scheduling Benchmark Instances

- Hartmut Schlenz, Torsten Bronger, Michael Selzer, Salome Enahoro, Leo Riem and Britta Nestler
Research Data Management - A practical introduction
- Angela Ariza, Philipp Benner, Jörg Rädler and José M. Pizarro
The BAM Data Store | Establishing an openBIS-Based Research Data Infrastructure in Ma-terials Science and Engineering
- Corinna Seiwerth and Stephan Ferenz
Building a RSE Community in Energy Research
- Eckhard Kadasch, Christian Knüpfer, Suhasini Venkatesh, Leyla Jael Castro, Florian Goth, Philipp Schäfer and Frank Löffler
DiscoRSE: an open educational resource for Research Software Engineers

Impact of RDM

- Angelie Kraft, Rana Abdullah, Nele Suffo, Manuel Bohn, Charlotte Gohr, Henrik von Wehrden, Raia Abu Ahmad, Ekaterina Borisova, Daniel Schneider, Georg Rehm and Ricardo Usbeck
Exploring the Impact of RDM Across Domains - Tales from the NFDI4DS Speedboat Projects
- Till Biskup
Is Research Data Management Ruining Science?
- Linna Lu, Amanda Wein and Oliver Werth
Examining Data Sharing and Open Access Publishing in Energy Research: A Bibliometric Analysis of Current Practices
- Sebastian Seltmann, Emily Kormanyos and Hendrik Christian Doll
Leveraging Large Language Models to Extract Data Citations
- Kristina Fischer, Anja Gerber, Thomas Koprucki, Andreas Noback, Marco Reidelbach, Torsten Schrade and Florian Thiery
Windows on Data: Federating Research Data with FAIR Digital Objects and Linked Open Data
- Gabriel Preuß, Oonagh Brendike-Mannix, Markus Kubin, Mojeeb R. Sedeqi and Pascal Ehlers
The HMC Dashboard on Open and FAIR Data - Support and Insights for the Helmholtz Data Landscape
- Florian Maurer, Paolo Dolcet, Mariam Schulte, Vitaly Biniyaminov and Jan-Dierk Grunwaldt
LabIMotion: Enhancing Research Data Manage- ment in Catalysis with a Customizable Electronic Lab Notebook

RDM in Context

- Birte Cordes and Andre Pietsch
The HeFDI curation recommendations A step towards the harmonization of data curation processes in the hessian research data repositories

- Benjamin Golub-Overbeck, Carolin Hundt, Erik Lorenz, Marcus Schmidt and Barbara Weiner
Navigating the Data Literacy Landscape: Connecting Institutions, Experts, and Services via Maps and Catalogues
- Katarzyna Biernacka, Leyla Jael Castro, Bernadette Fritzsche, Yves Vincent Grossmann, Marco Reidelbach, Alexander Struck, Giacomo Lanza, David Walter and Inga Ulusoy
From Vision to Implementation: Current Practices and Challenges of Software Management Plans in Research
- Christiane Weber, Fabian Fricke, Doris Hartmann, Anna-Lena Körfer and Daniela Schulz
Ein Ziel, zwei Wege – FDM Förderung im Vergleich. Strukturelle Analyse und lessons-learned der NFDI4Memory FAIR Data Fellowships und NFDI4Objects Dataships
- Patrick Brunner, Katharina Deschler, Stefanie Fuchsloch, Vasilka Stoilova, Neelam Vishen and Oliver Watteler
Presentation of ELSA Working Group Data Protection
- Evgeny Bobrov and Patrick Helling
Analysis of RDM counselling protocols - A standardized model of categories
- Sangeetha Shankar, Silke Christine Gerlich, Markus Kubin, Lucas Kulla, Christine Lemster, Andreas Schmidt, Jan Schweikert and Karl-Uwe Stucky
Research Data Management in Helmholtz – Findings from Data Professionals Survey 2024
- Steffen Brinckmann, Nicole A. Parks, Lukas C. Bossert and Ruth Schwaiger
The ELN Format for the exchange of research data between different open source projects
- Zhiyu Pan, Yuting Gao, Sedighi Foroogh, Philipp Fritz, Corinna Seiwert, Nurbek Halikulov, Nikolaus Wirtz and Antonello Monti
Process for contributing and accessing FAIR data
- Marlene Pacharra, Johannes Frenzel, Willem Fiene, Paul Walk, Anusha Ranganathan, Tobias Otto and Nina Winter
Implementing a hierarchical data model into a repository platform - A feasibility study
- Anja Nied, Jörg Panzer, Shanna Pilch, Darina Schilirò and Thomas Schimmer
Of Ships in the Large Sea of Research Data. Report of the Project FDM@HAW.rlp in the Context of Building a National Research Data Infrastructure.
- Christian Riedel, Shafayet Hossen Chowdhury, Safial Islam Ayon, Ralf Engbert and Ulrike Lucke
Insights from a Student-Postdoc Tandem for Research Data Management in an Interdisciplinary Collaborative Research Center
- Kevin Schneider, Heinrich Lukas Weil, Dirk von Suchodoletz, Björn Usadel, Christoph Garth and Timo Mühlhaus
Making RDM Measurable: A Case Study in ARCs
- Anna Köhler and Stephanie Rehwald
Data Champion Award: Rewarding Excellent RDM from Early Career Researchers
- Cora F. Krömer and Béla Koch
Streamlining RDM Support: Implementing a Ticket System and a Knowledge Base for the bwFDM-Helpdesk

- Barbara Fischer, Steffi Genderjahn and Antonia Schrader
Building a PID Ecosystem - the path to a national roadmap
- René Bernard, Daniel Parthier, Jojo Vanhoecke, Andrea Kühn, Ulrich Dirnagl and Dietmar Schmitz
RETAIN - A fellowship program to establish sustainable and functional RDM in Neuroscience
- Alexandra Schmucker
Let's Do It Together - User involvement in output checks at the Research Data Centre
- Charlotte Neidiger, Emanuel Söding, Christin Henzen, Thorsten Trippel and Robert Ulrich
Repository Engagement in the German NFDI (REGEN)
- Jana Böhm, Torsten Kahlert and Antonia Schrader
Bridging Gaps in PID Adoption: PID4NFDI's Coordination Hub
- Katharina Markus, Thomas Stäcker, Svenia Pohlkamp and Tobias Steinke
Digital preservation and archiving in the NFDI – Between established standards, missing awareness and approaches to open questions
- Riccardo Massei, Beatriz Serrano-Solano, Anne Fouilloux, Björg Gruening, Yi Sun, Diana Chiang, Matthias Bernt and Leonid Kostykin
Development FAIR image analysis workflows and RDM pipelines in Galaxy
- Thora Hagen and Andreas Witt
Data Discovery in Practice. Text+ and DataGEMS between Community and Scalability
- Jan Bernoth, Ariana Dongus, Greta Leßmann, Firas Al Laban, Julia Meisner-Dieffendahl, Maria Chlastak, Alexandra Resch and Ulrike Lucke
Conversations about Research Data and Software Management
- Tanja Auge, Sascha Genehr, Meike Klettke, Frank Krüger and Max Schröder
Provenance Levels for Biomedical In-vitro Experiments
- Justine Vandendorpe, Isabel Schober and Maja Magel
NFDI4Microbiota Helpdesk: Centralized Support for Microbial Research Data Management
- Sabine Schönau, Katja Diederichs, Marisabel Gonzalez-Ocanto, David Wallace and Jürgen Windeck
Standardising Data Management Plans for Machine-Actionable Data Management across NFDI and beyond
- Vasilka Stoilova, Neelam Vishen and Andreas Bruns
NFDI Section ELSA "What is ELSA?"
- Xiaoran Zhou, Stella Eggels, Sabrina Zander, Sebastian Beier, Uwe Scholz, Dirk von Suchodoletz, Timo Mühlhaus, Björn Usadel and Angela Kranz
DataPLAN's Model Context Protocol (MCP) Server: Enhance AI Support for Data Management Plans
- Julia Koblitz and Dominic Koblitz
No Data Without Context: The Role of Research Information in Enabling Sustainable RDM Practices
- Hannah Dörpholz, Stella Eggels, Kathryn Dumschott, Kevin Frey, Marcel Tschöpe, Timo Mühlhaus, Dirk von Suchodoletz, Björn Usadel and Angela Kranz

Automated Ontology Term Mapping for Enhanced Research Data Annotation

- Taras Petrenko, Yuliia Dikova and Thomas Bönisch
TRIQ: Streamlining Semantic RDM Through Intuitive User Interfaces with Ontology Driven Decision Tree Support
- Ulrik Stervbo, Christian Busse, Scott Christley and Lindsay Cowell
NFDI4Immuno and AIRR Knowledge Commons: Building Complementary FAIR Infrastructures for Immunological Data
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“As a [researcher], I [want to find open educational resources about data literacy] by using a [knowledge graph based search platform].”
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- Tom Boissonnet, Mohsen Ahmadi, Janina Hanne, Ksenia Krooß, Josh Moore, Christian Schmidt, Olaf Selchow, Jens Wendt, Cornelia Wetzker and Stefanie Weidtkamp-Peters
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The conference will take place in the C.A.R.L. (acronym for Central Auditorium for Research and Learning) at RWTH Aachen University. The building offers lecture halls and seminar rooms on several floors and is located in Aachen's central area east of the Westbahnhof.

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