26 September 2023

BlueCloud2026

RESEARCH DATA ALLIANCE

Getting FAIR Done: A view from RDA Europe

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RDA: A global greenhouse

RDA is an **international community-driven, member-based** organisation focused on the development of infrastructure and community activities.

Reduce barriers to data sharing and exchange, and the acceleration of data-driven innovation worldwide.

A Decade of Data 2013-2023
Research Data Alliance

What does RDA do?

Members come together through self-formed, volunteer and focused Working Groups and exploratory Interest Groups to exchange knowledge, share discoveries, discuss barriers and potential solutions, explore and define policies and test as well as harmonise standards to enhance and facilitate global data sharing & re-use.

RDA members collaborate together across the globe to tackle numerous infrastructure & data sharing challenges related to:

- Reproducibility
- Data preservation
- Best practices for domain repositories
- Legal interoperability
- Data citation
- Data type registries
- Metadata
- and so many more!

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How: The HEART of RDA:

RESEARCH DATA ALLIANCE

Working Groups (34)

GOAL: develop and implement tools, policy, practices & products for data management that are adopted and used by projects, organisations, communities

TIMING: 12-18 MONTHS

RECOMMENDATIONS: Concrete deliverables - "Running code", tools, standards, etc.

Interest Groups (56)

GOAL: focus on solving a specific data sharing problem and identifying what kind of infrastructure needs to be built.

TIMING: as long as group is active

OUTPUT: Possibly case statements for new WGs, guidelines, best practice, etc

Communities of Practice (1)

GOAL: Domain / disciplinary focus, coordination and awareness raising role. "Umbrella group"

TIMING: as long as CoP is active (review every 18 months)

OUTPUT: New WGs & IGs, bridge building across RDA and externally

Outputs & Recommendations

RESOURCES: HOW RDA CAN HELP YOU WITH FAIR IMPLEMENTATION

RESEARCH DATA ALLIANCE

RDA Outputs are the technical and social infrastructure solutions developed by RDA Working Groups or Interest Groups that enable data sharing, exchange, and interoperability.

These Outputs have an important impact in two areas: solving problems, and incorporation and/or adoption in infrastructure environments by individuals, projects and organisations. As an organisation, RDA's goal is to expand awareness and adoption of these Outputs, and hence their impact, within all regions of the world. RDA Outputs are products of the respective Working or Interest Group and should be demonstrably developed and endorsed by the group. Each Output should have the respective Working or Interest Group listed as an author where appropriate.

RDA Outputs are classified as **RDA Recommendations** (official, endorsed results of RDA Groups), **Supporting Outputs** (useful solutions from our RDA Working and Interest Groups) or **other Outputs** - more information can be found at https://www.rd-alliance.org/recommendations-outputs. **They are all listed below and can be searched according to their focus, scientific domain, or by status using the filters on the right.** Filters can be combined, too (if more than one filter is selected, results sum up).

Search for Recommendations & Outputs

Supporting FAIR Implementation: Leveraging Community Outputs

Search by Status

- [ ] RDA Endorsed Recommendations
- [ ] Recommendations with RDA Endorsement in Process
- [ ] RDA Supporting Outputs

Search for Topics

Select All

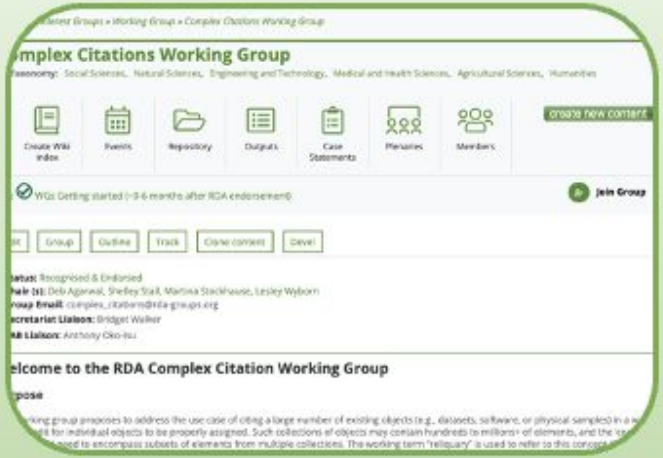
- [ ] Data Management
- [ ] Data Collection
- [ ] Data Description
- [ ] Identity, Store, and Preserve
- [ ] Disseminate, Link, and Find
- [ ] Policy, Legal Compliance, and Capacity

Primary Domain

Select All

- [ ] Social Sciences
- [ ] Natural Sciences
- [ ] Engineering and Technology
- [ ] Medical and Health Sciences
- [ ] Agricultural Sciences
- [ ] Humanities

Marine Research: Some Relevant RDA WG Groups



Complex Citations WG

'R': Receiving attribution for Reuse

Looking for "case studies"

Global Water IG

Water standardisation: geosciences, biodiversity, agriculture

Cross-cutting topics, also supporting cross-disciplinary research

Marine Research: Some Relevant RDA Outputs

FAIR Data Maturity Model

Flagship output

Used a basis to get started in FAIR

Translated into other languages

ESIP/RDA Earth, Space and Environmental Sciences IG

Outputs: Semantic Resources catalogue

Output: Data Infrastructures Catalogue

Join this Group!

Jonas K. Roemer, Aarhus University, Institute for Ecoscience

Applying FAIR Principles to an Arctic Science Repository

1. Working to strengthen the ties between RDA, EOSC and the arctic data community while learning new skills in data science and data management, with Greenland Ecosystem Monitoring as study case of an arctic data repository.
2. Participating in Arctic Science Summit Week, RDA Plenary, EUDAT Summer School Providers Track. Blog about lessons learned, create arctic disciplinary page for RDA, publish poster to inspire the domain to navigate FAIR criteria and benefit from RDA and EOSC.
3. Post project, will continue to investigate and work with actual use cases and integrations between arctic data repositories and EOSC portal.

Links and outputs: https://data.g-e-m.dk . jkr@ecos.au.dk . https://www.rd-alliance.org/blogs/rdaeosc-future-domain-ambassador-spotlight-jonas-koefoed-roemer-arctic-data-community . https://www.rd-alliance.org/blogs/experiences-visiting-rda-20th-plenary-rda-eosc-future-domain-ambassador.html . https://doi.org/10.5281/zenodo.7692013 . https://www.rd-alliance.org/rda-disciplines/natural-sciences#RDA%20and%20The%20Arctic%20Data%20Community

Recommendations for improving cross-disciplinary FAIR data sharing in wind energy , Eastern Switzerland University of Applied Sciences

1.The goal of this project is to create and adopt a set of recommendations for improving cross-disciplinary FAIR data sharing in wind energy.
2.We plan to adopt and test the existing recommendations in a pilot data-sharing project.
3.We are particularly interested in fostering collaboration and communication between data stewards and wind energy domain experts.

For more info contact Sarah Barber (sarah.barber@ost.ch)

WorldFAIR

GLOBAL COOPERATION ON FAIR DATA POLICY AND PRACTICE

The case study team on Ocean Science & Sustainable Development (whose personnel chaired the technical implementation of ODIS) will examine how the ODIS Interoperability Architecture (ODIS-Arch) being piloted with regional partners can be coordinated with other case studies and central guidelines of CODATA and RDA to support digital policy alignment. The key objective will be to ensure policies support regional and local specificity, but allow the concrete implementation of global FAIRness around key (meta)data types. Through these actions, this case study aims to sustainably interface the ODIS digital ecosystem with many others.

Funded by
the European Union

Community Workshops

The main findings of this Special Edition Community Cross-Fertilisation Workshop will be presented as a summary document and published online.

See summary document examples for:

- Data Management Plans here
- Agricultural Data here
- FAIR Data, Software and Hardware here
- Health and Medical Data here
- Persistent Identifiers here
- Agriculture and Environmental Data here

23-26 OCT

2023

SALZBURG

International Data Week

A FESTIVAL OF DATA

https://www.rd-alliance.org/plenaries/international-data-week-2023-salzburg

Organised by

COMMITTEE ON DATA CODATA INTERNATIONAL SCIENCE COUNCIL

RDA RESEARCH DATA ALLIANCE

WORLD DATA SYSTEM

Hosted by:

SALZBURG CONVENTION BUREAU

PARIS LODRON UNIVERSITY SALZBURG

SALZBURG CONGRESS

RDA 21st Plenary Pathways

RESEARCH DATA ALLIANCE

'FAIR, CARE, TRUST - Principles'

Research Data Alliance Pathways

https://www.rd-alliance.org/rdas-21st-plenary-programme

doi. https://doi.org/10.15497/RDA00094

Version: July 2023

THIS PATHWAY IS ABOUT...

The FAIR, CARE and TRUST principles and their applicability to various research objects, including data, software, metadata and hardware.

RDA 21st PLENARY SESSIONS

- Breakout 1: Metadata IG: Structuring Semantic Information with Respect to Conventional Metadata (Syntactic) Structures
- Breakout 1: Software Source Code IG: Mastering the Art of Research Software Metadata and Metrics
- Breakout 2: Ethics and Social Aspects of Data IG: Identifying and discussing key topics in ethics for the RDA Community; Developing together a revised agenda for the Ethical and Social Aspects of Data (ESAD) Interest Group
- Breakout 2: Birds of a Feather: Very Large Open Datasets for Machine Learning in Personalized Medicine
- Breakout 2: RDA / CODATA Data Systems, Tools, and Services for Crisis Situations WG: Advancing the RDA/CODATA Data Systems, Tools, and Services for Crisis Situations WG
- Breakout 3: Birds of a Feather: NTRQ Gaggle - Boosting non text support through experiential and collaborative effort
- Breakout 3: Artificial Intelligence and Data Visitation (AIDV) WG: Transforming the AIDV-WG's deliverables into horizontal actions across data disciplines, sectors, and systems: Engaging digital communities in incorporating ELSI in data
- Breakout 4: Birds of a Feather: Let's talk about FAIR mappings! Towards common practices for sharing mappings and crosswalks
- Breakout 4: Birds of a Feather: Bridging the Data/HPC divide: lessons learned from the community talks
- Breakout 5: FAIR Digital Object Fabric IG: FAIR Digital Object Fabric: Shaping the Fabric
- Breakout 5: 2nd Birds of a Feather: Trusted / Secure Research Environments for Sensitive / Confidential Data: FAIRness for "Closed" Data and Processes
- Breakout 6: PID IG: Equity and Inclusion: universal access to PIDs
- Breakout 6: RDA/WDS Certification of Digital Repositories IG: TRUST Principles and Repository Certification Landscape

View the Plenary programme

RELEVANT RDA GROUPS

- Artificial Intelligence and Data Visitation (AIDV) WG
- Blockchain Applications in Health WG
- CoreTrustSeal Maintenance WG
- CURE-FAIR WG
- Ethics and Social Aspects of Data IG
- FAIR Data Maturity Model WG

11 Plenary Pathways to help you select a session of interest from a thematic / topical perspective.

https://www.rd-alliance.org/rdas-21st-plenary-pathways-programme-navigation

RDA TIGER Services

"Do you have an idea for a Working Group?"

- Service quality control and Pilots
- Co-design with selected WGs and Pilots
- Selection Board for transparent service provision

"Let experts concentrate on being experts"

"Direct support where needed"

"Groups should have right participants and representation"

"Communicati on is the key to collaboration"

RDA TIGER - Timeline

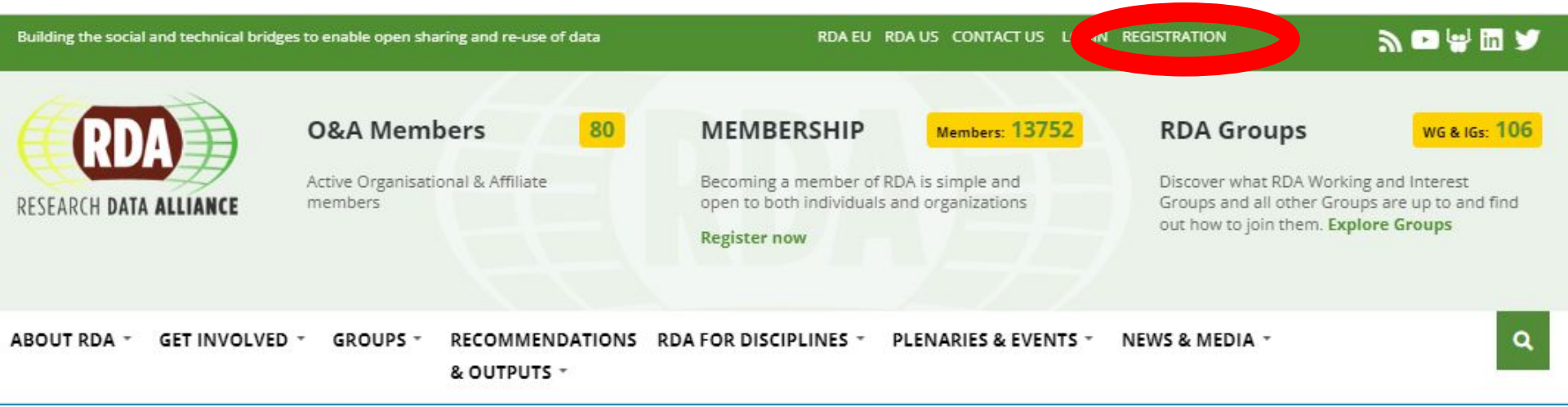
- The call will remain open for the ***duration*** of the project and we will onboard new WGs four times a year.

- We have 4 cut-off/evaluation dates a year:

  - 31 May ~~2023~~, 2024, 2025
  - 31 August 2023, 2024, 2025
  - 30 November 2023, 2024
  - 27 February, 2024, 2025

Applications are evaluated by the RDA TIGER Selection Committee
Results: One month after each of the above evaluation dates
Note: WGs can reapply or for other calls

Join the Research Data Alliance (RDA)



Membership is free of charge | All community members are welcome |

“If you want to go fast go alone. If you want to go far, go together”

Useful Links to get started

***RDA for Newcomers* page:**

https://www.rd-alliance.org/about-rda/rda-newcomers

Group search by focus/domain:
https://www.rd-alliance.org/rda-for-you

RDA Recommendation/Output search:
https://www.rd-alliance.org/recommendations-and-outputs/catalogue

RDA in a Nutshell (Monthly stats on RDA community & Quarterly Updates on Groups & Outputs):

https://www.rd-alliance.org/about-rda