



The Research Data Alliance: a window to the world of global data

February 2025

The RDA Values

Vision

Researchers and innovators openly share and re-use data across **technologies**, **disciplines**, and **countries** to address the grand challenges of society.

Mission

RDA builds the **social** and **technical** bridges that enable open sharing and re-use of data.

Guiding principles

- Openness
- Consensus
- Inclusivity
- Harmonisation
- Community-driven
- Non-profit & technology neutral

The RDA Family: Open to all

Individuals
(14,500+)

“a strategic think tank to enhance a **constructive dialogue and collaboration on themes relevant to data science** and to present the latest research results in many areas”

Create groups,
collaborate & generate
outputs

Organisations
(100+)

“one of the few places where **researchers and data managers / information professionals** directly interact and collaborate to develop solutions and best practices”

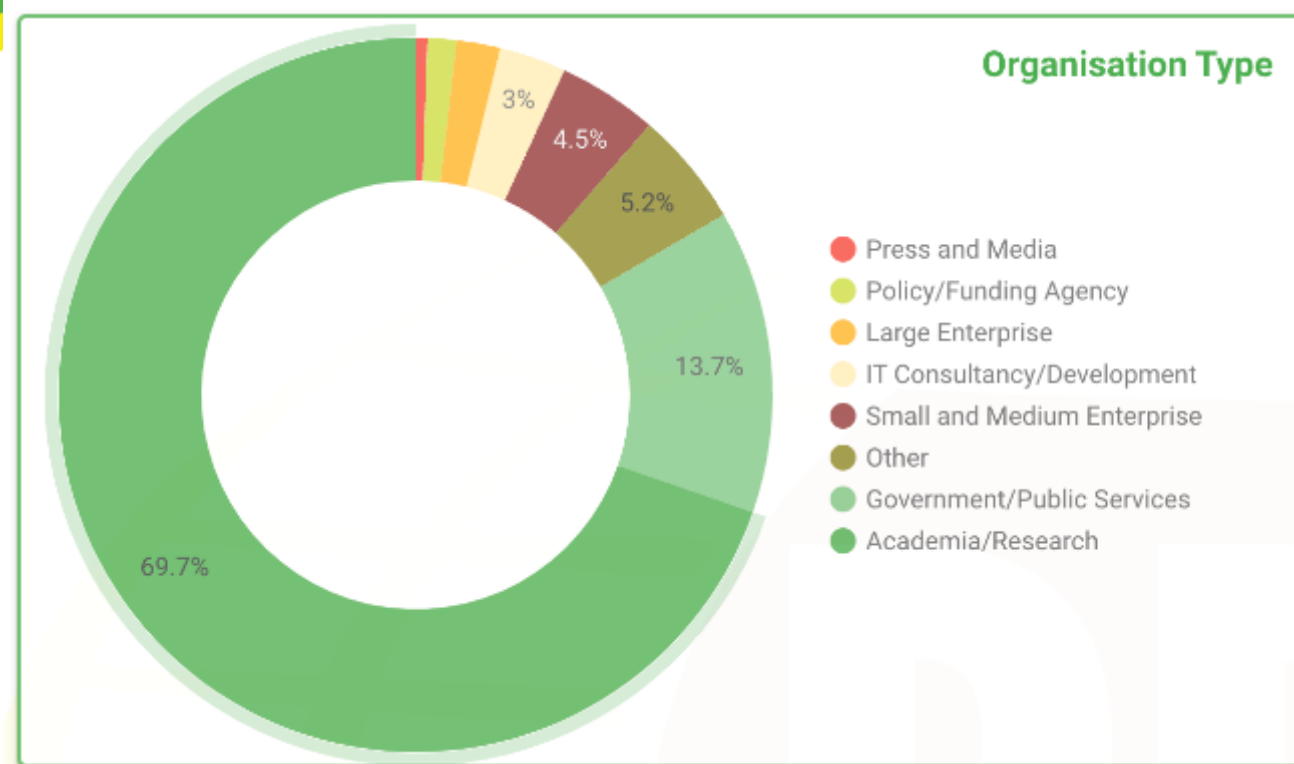
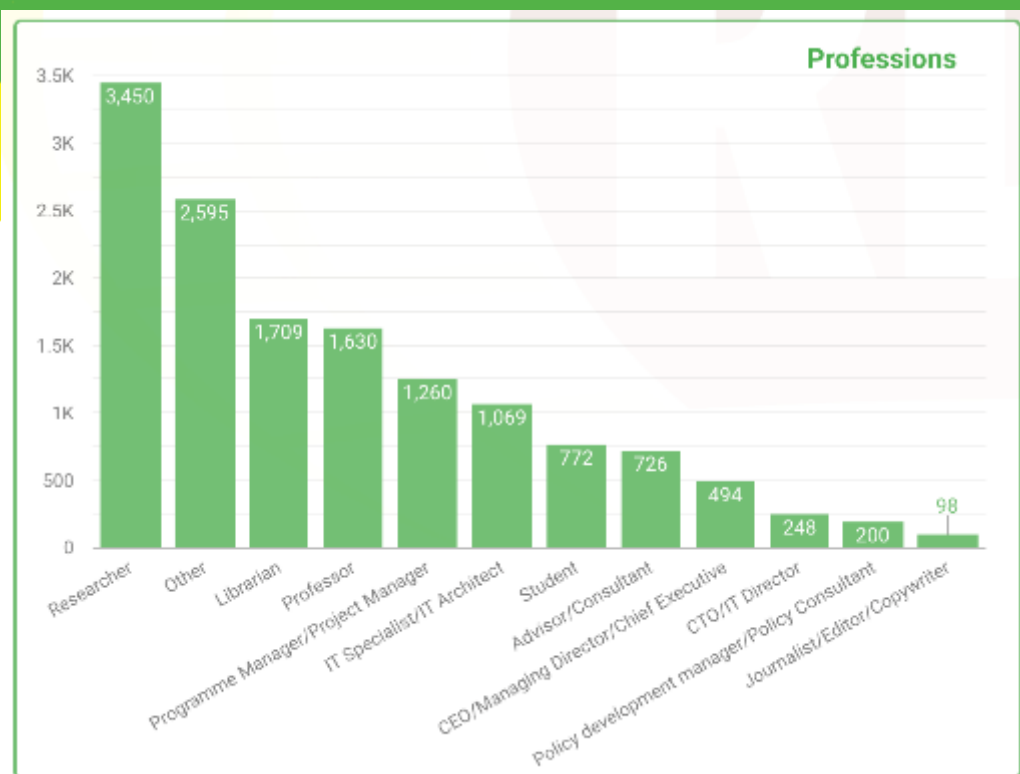
Adopt, Implement,
Customise

Nations / Regions
(35+)

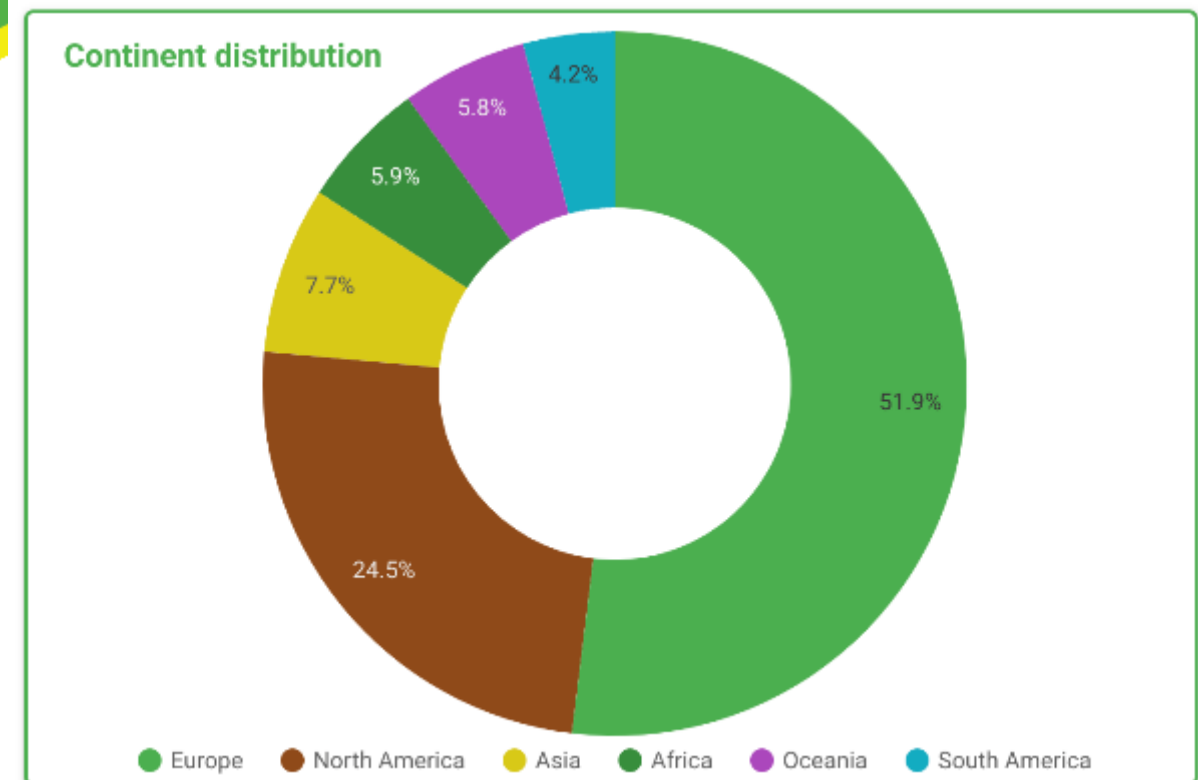
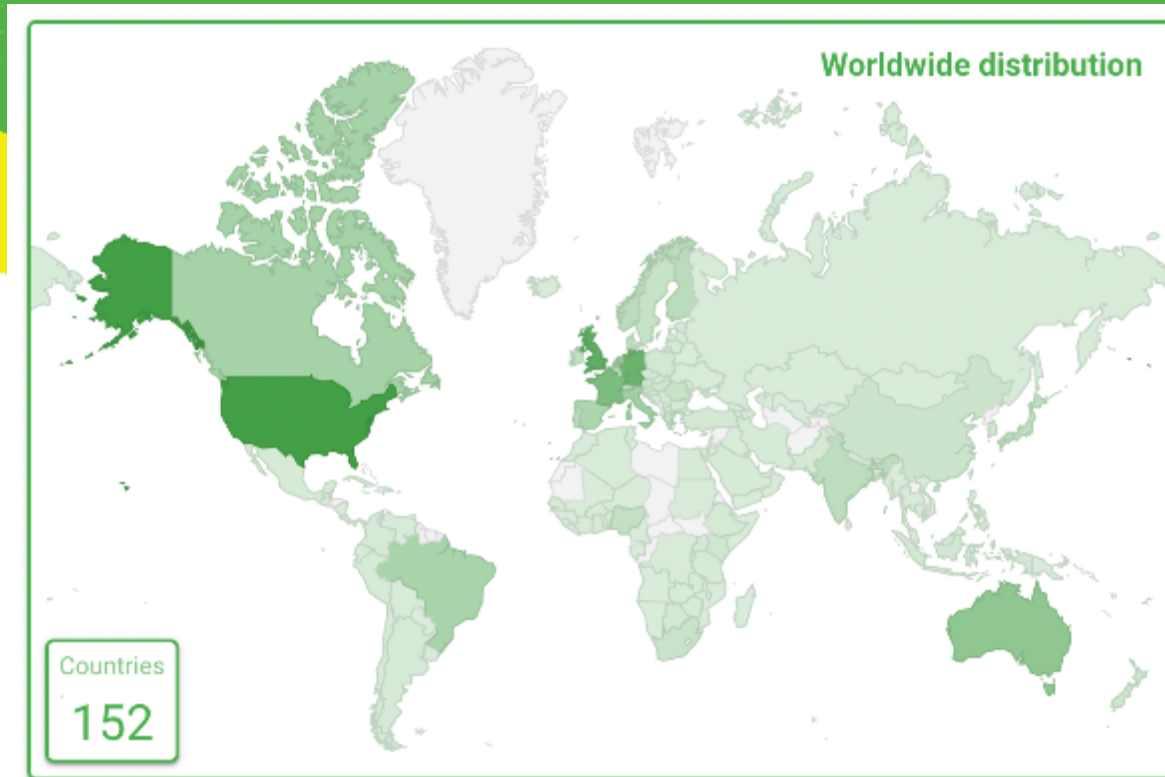
“a global perspective to assist in **sharing best practices, experiences and common needs** to achieve efficiency and reduce duplication of efforts”

Localise (linguistically &
culturally), network

Who makes up the RDA Community?



Where are the RDA members based?



The Heart of the RDA: Community Groups

Grass-roots, bottom-up, organic creation to address global challenges

Working Groups (WG)

- Develop & implement tools, policy, practices & products for data that are adopted & used by projects, organisations, & communities
- Life span: 12-18 months

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

Interest Groups (IG)

- Focus on solving a specific data sharing problem and identifying what kind of infrastructure needs to be built
- Life span: As long as group is active

OUTPUT:
Best practices, guidelines,
emergence of new working
groups (WGs), etc.

Communities of Practice (CoP)

- Domain/disciplinary focus, coordination and awareness raising role - ‘umbrella group’
- Life span: as long as CoP is active (review every 18 months)

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



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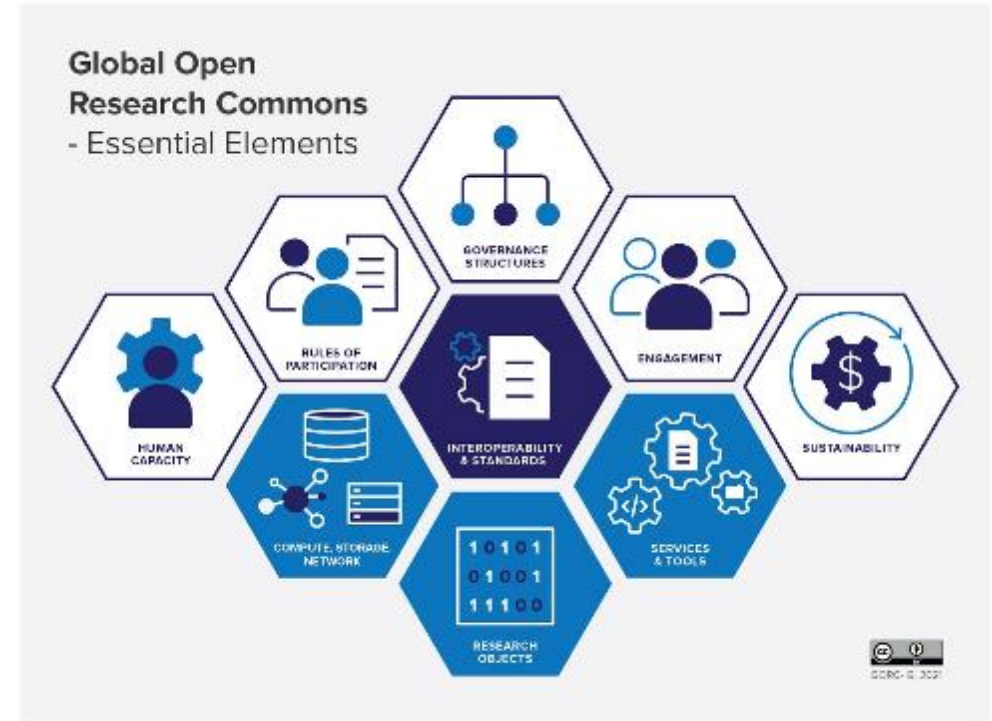
The RDA Community Outputs

A tiny sample

The RDA Outputs

The global RDA community has produced over 200 standards, guidelines, best practices for different domains, infrastructures, research data management challenges. These outputs are implemented across academic, research performing, industry, private sector, funding and policy organisations as well as digital research, data and research infrastructures across the globe.

Global | National | Thematic Open Research / Science Commons



Global Open Research Commons [Working Group](#) & [Interest Group](#)



RDA in Practice: reducing the silos

Culmination of a cooperative effort between the **Data Seal of Approval (DSA)** and the **World Data System of the International Science Council (WDS)** under the umbrella of the Research Data Alliance (RDA) to harmonize their data repository certifications



Findable

Metadata and data should be findable for both humans and computers

Interoperable

Data needs to work with applications or workflows for analysis, storage and processing

F

A

I

R

Accessible

Once found, users need to know how the data can be accessed

Reusable

The goal of FAIR is to optimise data reuse via comprehensive well-described metadata

SOURCE: SCIBITE

RDA in Practice: CARE Principles



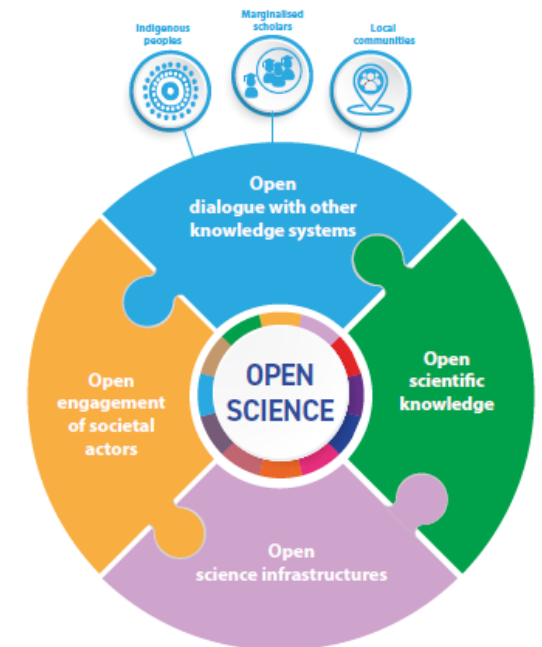
The CARE Principles
Delivered by the RDA
Indigenous Data
Sovereignty Interest
Group are recognised
across the globe and
included in the UNESCO
Open Science
Recommendations



GIDA
Global Indigenous
Data Alliance

11. **Open dialogue with other knowledge systems** refers to the dialogue between different knowledge holders, that recognizes the richness of diverse knowledge systems and epistemologies and diversity of knowledge producers in line with the 2001 UNESCO Universal Declaration on Cultural Diversity. It aims to promote the inclusion of knowledge from traditionally marginalized scholars and enhance inter-relationships and complementarities between diverse epistemologies, adherence to international human rights norms and standards, respect for knowledge sovereignty and governance, and the recognition of rights of knowledge holders to receive a fair and equitable share of benefits that may arise from the utilization of their knowledge. In particular, building the links with indigenous knowledge systems needs to be done in line with the 2007

for Indigenous Data Governance, such as, for example, the CARE (Collective Benefit, Authority to Control, Responsibility and Ethics) data principles. Such efforts acknowledge the rights of indigenous peoples and local communities to govern and make decisions on the custodianship, ownership and administration of data on traditional knowledge and on their lands and resources.



A fraction of RDA's contribution



Value of the Research Data Alliance for Artificial Intelligence
September 2024

Insights and future directions from the pilot workshop organized for the RDA Organisational Assembly and Funders Forum members in September 2024

Authored by: Shahr Karsak, PhD | RDA Community Development Specialist
Co-authored: Claudiu A.



FAIR Data Maturity Model Specification and Guidelines

The Global Open Research Commons International Model, version 1.1 Model Overview



Final Recommendations

DOI: 10.15497/RDA00119

Authors: CJ Woodford, Andrew Treloar, Mark Leggott, Karen Payne, Sarah Jones, Javier Lopez Albacete, Devika Madalli, Françoise Genova, Kheeran Dharmawardena, Noel Chibhira, Wolmar Nyberg Åkerström, Rory Macneil, Amy Nurnberger, Hans Pfeiffenberger, Mikiko Tanifuji, Qian Zhang, Nick Jones, Laurents Sesink, Elisha Wood-Charlson

Published: 30 October 2024



CHECKLIST: NATIONAL PID STRATEGIES

Use this checklist as a starting point for developing a national PID strategy. Complete all of the numbered points or follow the flexibility to help you think about what is needed. Use this resource alongside the RDA National PID Strategy Guidelines.

- 1. VALUE PROPOSITION**
 Have you established a clear value proposition for developing a national PID strategy? Does it speak to all stakeholders?
- 2. STAKEHOLDERS**
 Have you established their most responsible approach them in all of your at
- 4. LEADERSHIP**
 Have you established who (person, group) will take responsibility for coordinating (driving) strategy development?
- 5. SCOPE**
 Have you considered the scope/coverage and/or system boundaries of the strategy?
- 6. ROADMAP**
 Have you developed use cases that support the strategy? Have you considered developing a roadmap to accompany your strategy?

National PID Strategies: What, why, how - and where next?
National PID Strategies RDA WG
rd-alliance.org



Research data sharing without barriers
rd-alliance.org



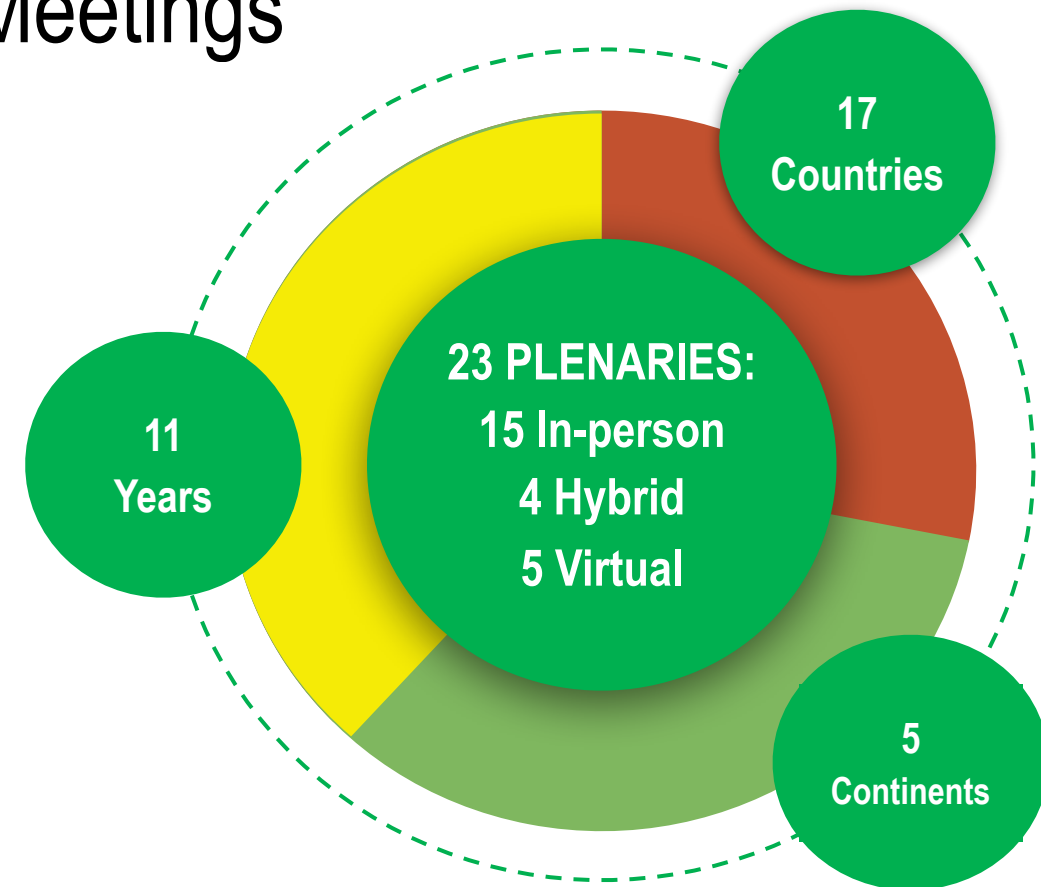
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The RDA Community Meetings

The Research Data Alliance Community Meetings

RDA Plenary Meetings - <https://www.rd-alliance.org/plenaries/>

- ❑ special working events to move the community forward in **creating tangible deliverables** that improve data sharing across disciplines, technologies, and countries.
- ❑ bring together a **unique community of stakeholders**, including data scientists, librarians, computer scientists, and domain scientists.
- ❑ take place twice per year, one **hybrid** event in a different place around the world and one completely **virtual**.





RESEARCH DATA ALLIANCE

P24 RDA 24th Plenary Meeting



Data for Emerging Technologies

7-11 April | 2025
online





Brisbane
Australia

Positive change: things and

INTERNATIONAL DATA WEEK

13-16 October 2025
Brisbane, Australia

HOSTED BY



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The RDA and Artificial Intelligence





SHING-GUO XU/ISTOCK/REX USA, GETTY

Artificial-Intelligence models require the vast computing power of supercomputers, such as this one at the University of California, San Diego.

Garbage in, garbage out: mitigating risks and maximizing benefits of AI in research

Brooks Hanson, Shelley Stall, Joel Cutcher-Gershenfeld, Kristina Vrouwenvelder, Christopher Wirz, Yuhan (Douglas) Rao & Ge Peng

The State of AI: Opportunities and challenges for the global RDA community



Photo by [ykaiavu](#) on [Pixabay](#)

- ✓ September 2024 workshops: Contents based on inputs from RDA Organisational Assembly (OA) and RDA Funders Forum (FF) members on their perspective of the opportunities and challenges of AI: OUTPUT: [OA & FF Extended report & Executive Summary for community](#)
- ✓ Feb 2025: AI in Action Workshops featuring global researchers actively using, improving, or leveraging AI in fields like biosciences, engineering and physics, humanities, agronomy, FAIR data for AI, and beyond. OUTPUT: Report available in March 2025

Artificial Intelligence and Data Visitation (AIDV) Working Group

Group mission: A comprehensive global investigation of **AI governance inclusive of ethics, human rights, regulation, health, open science, evolving AI technologies and applications** focused on delivering state-of-the-art guidance for international reference and institutional implementation.

Group Outputs: EU and global guidance uniquely supporting the digital sciences and impacting society

1. [Guidance for informed consent in the context of AI & data visitation](#)
2. [Guidance for ethics committees reviewing AI and DV](#)
3. [AI bill of rights recommendation](#)
4. [AIDV-WG Shared Citation Library](#)

Artificial Intelligence Priority activities for RDA Secretariat

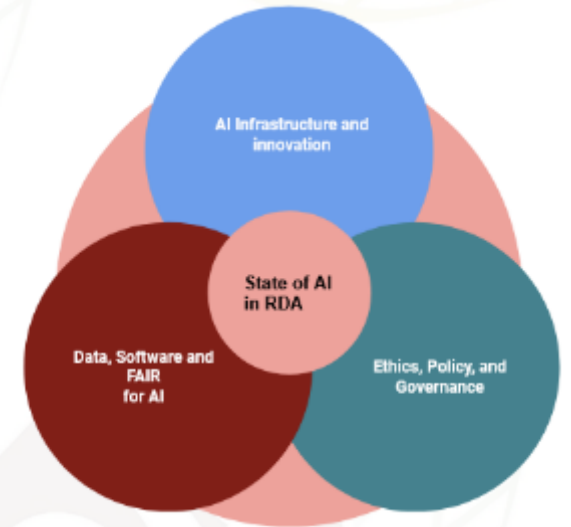
1. Establish Best Practices for Data Readiness and Responsible AI
2. Discussing the Latest Trends in AI
3. Researchers leveraging AI across disciplines
4. Showcasing RDA group outputs related to AI
5. Addressing inequalities in Open Science



ACTION: RDA Secretariat will organise a short series of webinars/talks on AI to address these areas with a focus on what researchers are doing with AI. Status: 2 workshops "AI in Action" in Feb 2025. Report available in March 2025

Value of the RDA for Actionable AI Focus Areas

- 1. Enhancing Data Readiness:** Improving data quality, FAIRness, and fairness by addressing both technical standards and ethical guidelines.
- 2. Managing Sensitive Data and Building Trust:** Promoting privacy-enhancing technologies while fostering trust and awareness among stakeholders.



ACTION: RDA secretariat will facilitate the creation of Working groups by the RDA community in 2025.

If you want to go fast, go **ALONE**
If you want to go far, go **TOGETHER**

African Proverb



Source: Lucia Messerini 2023

—— THANK YOU ——

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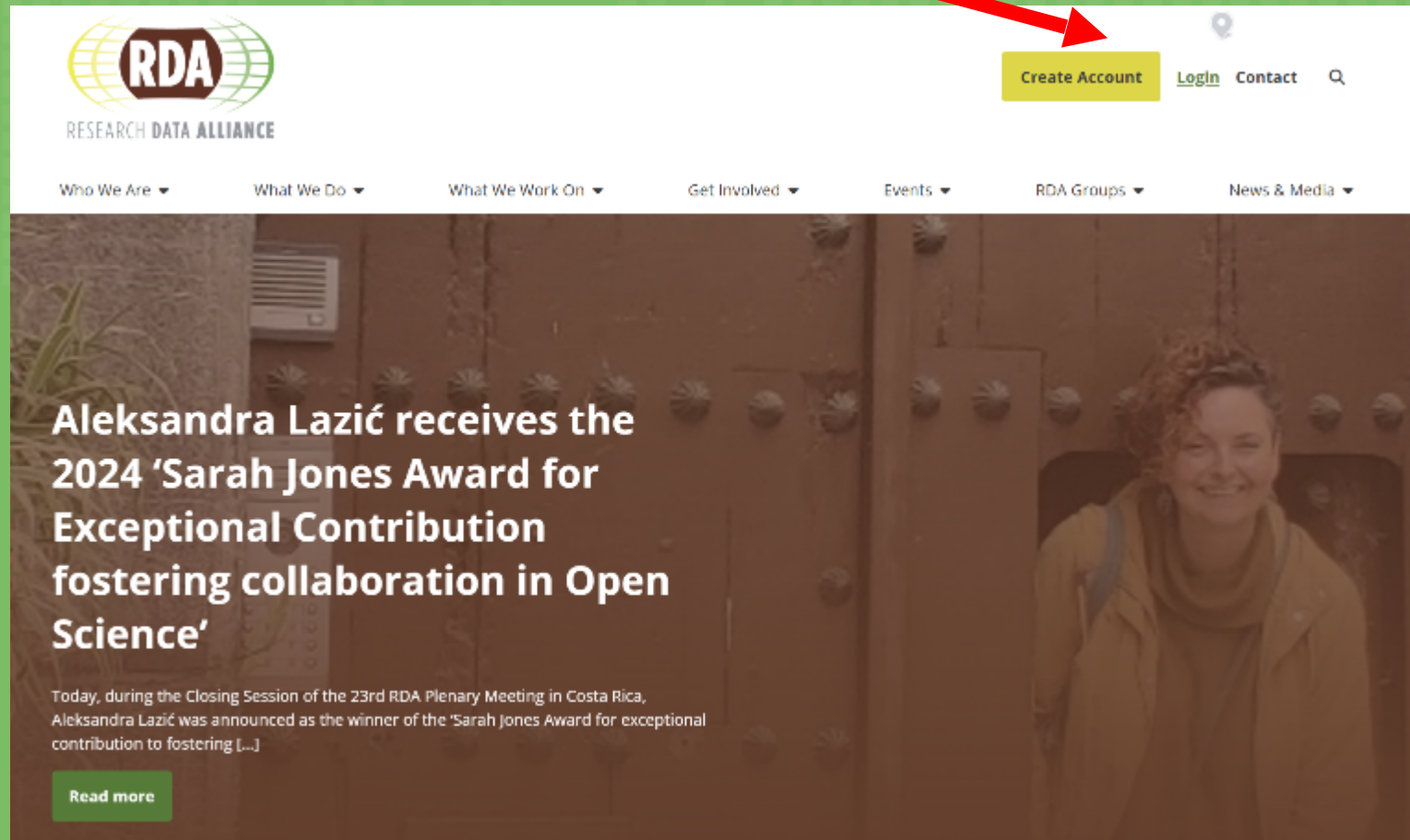
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Additional Slides / Resources

Not presented

Join RDA as an Individual Member

<https://www.rd-alliance.org/>



The screenshot shows the RDA website homepage. At the top left is the RDA logo. To the right of the logo is a navigation bar with a yellow 'Create Account' button, a 'Login' link, and a 'Contact' link. Below the navigation bar is a horizontal menu with dropdown arrows for 'Who We Are', 'What We Do', 'What We Work On', 'Get Involved', 'Events', 'RDA Groups', and 'News & Media'. The main content area features a large image of Aleksandra Lazić smiling in front of a wooden door. Overlaid on the left side of this image is the text: 'Aleksandra Lazić receives the 2024 'Sarah Jones Award for Exceptional Contribution fostering collaboration in Open Science''. Below this text is a short paragraph and a 'Read more' button. At the bottom right of the page, there is a footer with the tagline 'research data sharing without barriers' and the website URL 'rd-alliance.org'.

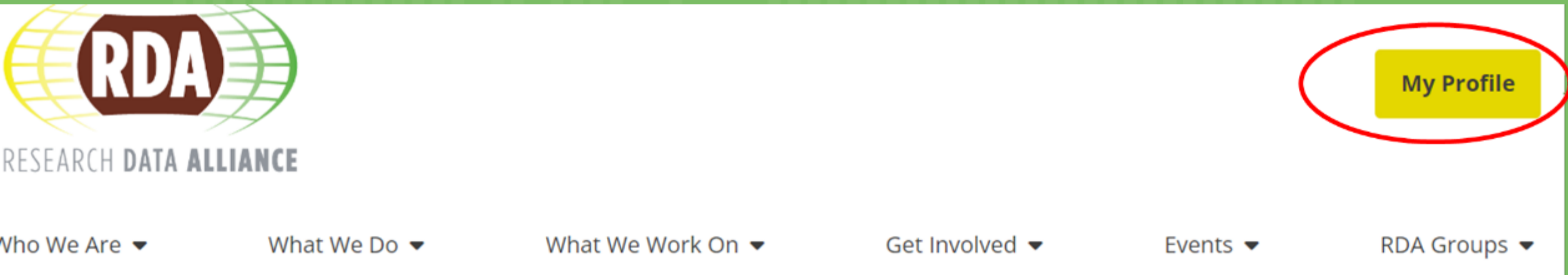
Aleksandra Lazić receives the 2024 'Sarah Jones Award for Exceptional Contribution fostering collaboration in Open Science'

Today, during the Closing Session of the 23rd RDA Plenary Meeting in Costa Rica, Aleksandra Lazić was announced as the winner of the 'Sarah Jones Award for exceptional contribution to fostering [...]

[Read more](#)

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rd-alliance.org

Managing your RDA Community Member Profile



Click on “My Profile” when you are logged in

Manage your account settings

Scroll to the bottom of your profile page and click the appropriate tab to change your settings

Home > Member Directory > Hilary Hanahoe



Hilary Hanahoe

Other
CEO/Managing Director/Chief Executive

RDA Member Since: 04-24-2013

ORCID

0000-0002-0328-3419

Organisation:

RESEARCH DATA ALLIANCE

Country:

Italy

Bio:

As Secretary General of the Research Data Alliance (RDA) since 2018, Hilary's responsibilities include leadership of RDA's membership, effective management of the RDA organization and its legal entity (RDA Foundation), engagement with RDA stakeholders and organisations, and sustainable stewardship of the dynamic, active, and high-impact community.

She reports to the RDA leadership Council and works closely with all governance boards and members of the RDA community. She is passionate about the work of the Research Data Alliance and its vibrant community. As part of her role, she raises awareness of the RDA activities and outputs, advocates for new members and increased engagement in the Alliance. She is also involved in the financial and organisational sustainability of RDA on an international level.

Prior to becoming Secretary General, she covered a multiple of roles within the Alliance, including the coordinator of the RDA Europe initiative, the Communications and Plenary Manager for the RDA global secretariat. In recent years, she managed the process for the recognition of RDA recommendations as ICT technical specifications in Europe and has considerable experience in community development and data infrastructures specifically in the delivery & implementation of the user-centric communication platform and communications and outreach strategies.

Hilary can be contacted: by email: hilary.hanahoe@rda-foundation.org by telephone: +393349875702 by skype: [hilary.hanahoe](https://www.skype.com/people/hilary.hanahoe) She is on X @[hilaryhanahoe](https://twitter.com/hilaryhanahoe) and LinkedIn at www.linkedin.com/in/hilary-hanahoe

Profile Account Notifications 214 Messages Groups 29 Session Entries

View Edit Profile Photo

Managing your RDA Community notifications

Enable or disable notifications from RDA

Notification Settings

[Preferences](#) [Subscriptions](#)

Choose which notifications to receive by email.

Enable Notifications Email

MENTIONS

A member mentions you using "@hilary-hanahoe" Email

POSTS

A member replies to your post comment Email

ACCOUNT SETTINGS

Your password is changed Email

ACTIVITY FEEDS

A member replies to your post or comment Email

SOCIAL GROUPS

The details of a group you manage are updated Email

You're promoted in a group Email

Enabling & Managing Email notifications

You may pick and choose what you want to receive in your Inbox

Profile Account Notifications 214 Messages Groups 99 Session Entries

Login Information Notification Settings Privacy Export Data

Notification Settings

Preferences Subscriptions

Choose which notifications to receive by email.

Enable Notifications	<input checked="" type="checkbox"/> Email
MENTIONS	
A member mentions you using "@hilary-hanahoe"	<input checked="" type="checkbox"/> Email
POSTS	
A member replies to your post comment	<input checked="" type="checkbox"/> Email
ACCOUNT SETTINGS	
Your password is changed	<input checked="" type="checkbox"/> Email
ACTIVITY FEEDS	
A member replies to your post or comment	<input checked="" type="checkbox"/> Email
SOCIAL GROUPS	



RESEARCH **DATA ALLIANCE**

The Research Data Alliance Groups

The heart of the global community

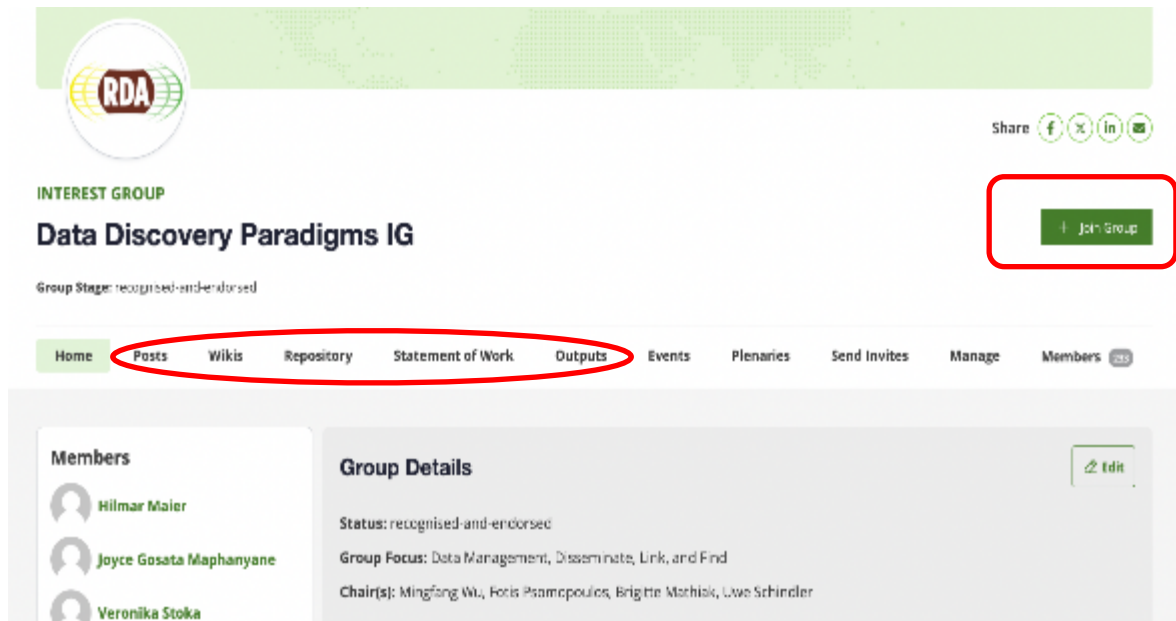
Getting involved in RDA groups

First, explore all the groups:
Use the Group Directory linked from RDA Groups menu on RDA homepage:

- [Search All Groups](#)
- [Search Working Groups](#)
- [Search Interest Groups](#)
- [Search Communities of Practice](#)

Read about the group:

- Statement of Work
- Outputs
- Posts



[View ALL the RDA Recommendations & Outputs Catalogue](#)



RESEARCH **DATA ALLIANCE**

The Research Data Alliance Key Documents

RDA Key Documents

Document	G o v e r n a n c e Responsible	Description
RDA Governance Document	Council	structures of RDA, and their relationships, that support the activity and principles of RDA, and Council's powers and authority
Articles of Association for RDA Foundation	RDA Foundation Board of Directors / Trustees	legal document describing the structure of the RDA Foundation under the British law
UK Companies Act 2006	RDA Foundation Board of Directors / Trustees	Legislative framework for RDA legal entity in UK
RDA TAB Responsibilities and Processes Document	TAB	the roles, responsibilities and processes of the RDA Technical Advisory Board (TAB).
RDA Guiding Principles	Council	RDA operating values
RDA Code of Conduct	Secretariat	a Code of Conduct to clearly signal community norms.
Organisational Membership Process Document	OAB	describes the Organisational Membership of the RDA, as well as Organisational Affiliates.
RDA Regional Partnership Processes Document	RAB	the regional partnership processes of the Research Data Alliance (RDA)