



Community cross-fertilisation within the RDA: Brainstorming international challenges, solutions and initiatives



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Research Data Alliance (RDA) Roundtable
Science Summit at United Nations General Assembly
Friday, 15 September 2023

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Agenda...

- The RDA community & groups
- Cross-fertilisation: What is it?
- The RDA's community cross-fertilisation efforts
 - A Decade of Data: The RDA's 10th Anniversary
 - Community cross-fertilisation workshops
- Public-private partnerships for the future



Image by Nile from Pixabay

The RDA Community



Consensus
based



Community
-driven



13,500+
international
experts



80
organisational
& affiliate
members

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



Global



RESEARCH DATA ALLIANCE



75+
flagship
recommendations
& outputs



100+
community
groups



150+
countries



35
regional
networks



The heart of the RDA: *Community groups*



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

Working Groups

- 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

- 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

- **Domain/disciplinary focus**, coordination and awareness raising role - '**umbrella group**'
- Life span: as long as CoP is active (review every 18 months)
- 1 CoP on Agricultural Data

OUTPUT:

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



**100+ different groups
covering various
Open Research and
Research Data
Management themes**





'Community cross-fertilisation': What is it?

Stimulates the **development** of new **ideas** and **projects**.



Provides **opportunities** for **learning**, **knowledge** and **best practice exchange**.



Information flows in **multiple directions** - members, organisations, technologies, regions, domains.



COMMUNITY

People with a **shared purpose** come together to achieve **goals** and **tasks** they would not be able to do on their own.



Members **expand** their **network** and foster **meaningful connections**.



Reduces siloed efforts and **increases harmonisation** across borders.



Enhances effective **collaboration** and **cooperation** towards **Open Research** and **Open Data**.

Adapted from cscce.org



A Decade of Data 2013-2023

Research Data Alliance

The RDA's community cross-fertilisation efforts



Image by [PollyDot](#) from [Pixabay](#)



A Decade of Data 2013-2023

Research Data Alliance

A Decade of Data: 10 months to celebrate 10 years of the RDA

Kathryn Barker
Community
Development
Manager, RDA/ARDC



50+ international and regional events on global RDM challenges.

 [See the event schedule](#)

February

FAIR Data, Software
and Hardware

July

Research Data Policy

March

RDA's 20th Plenary

August

Disciplinary Data

April

Health and Medical
Data

September

Sustainable
Development and
Responsible Research

May

Metadata and
Technical
Infrastructure

October

RDA's 21st Plenary
Part of IDW2023

June

Agriculture and
Environmental Data

November

RDM support and
education

1. To reflect on the **past**,
present and **future** of the
RDA.

1. To reinforce our **mission**,
vision and **guiding
principles**.

1. To **recognise** our
community **members**,
partners and **funders**.

1. To **celebrate** the
community's **successes**

1. Promote **cross-fertilisation!**



Community cross-fertilisation workshops



Harnessing the power of community groups to brainstorm global challenges, solutions and initiatives

- Aligned with **10th Anniversary** schedule
- **Virtual workshop** each month
- RDA **Working groups, Interest groups** and **Communities of Practice** together
- Explore **global solutions** to **local challenges**

1. What are the main challenges that should be addressed within the theme over the next two years?
2. How can the RDA community groups address these challenges over the next two years?
3. What initiatives and/or communities could the RDA community implement or collaborate with to enhance the theme?

 [Read more about the workshops](#)

Workshop summaries

2-3 page document highlighting challenges, solutions, initiatives, and actions for the RDA.

 [See the workshop summaries](#)

Summary coming soon...

- RDA for Disciplinary Data (August)

RDA for Data Management Planning

RDA for Agricultural Data

RDA for FAIR Data, Software & Hardware

RDA for Health and Medical Data

RDA for Persistent Identifiers

RDA for Agricultural and Environmental Data

RDA for Research Evaluation

Celebrating A Decade of Data
RDA community cross-fertilisation workshop

Version: July 2023

PARTICIPATING GROUPS & WORKSHOP LEADS*



Evaluation of Research IG
Nominated lead: [Emma Croft](#)

- Outputs and achievements:
- Successful BoFs: P19 & P20
 - IG established
 - Liaison with CoARA
 - P21 session accepted

 See [community group card](#)



Sharing Rewards and Credit (SHARC) IG
Nominated lead(s):
[Anne Cambron-Thomson](#)

- Outputs and achievements:
- [A grid of evaluation of FAIR \(Romain et al. DSJ\)](#)
 - [A survey on Open Science activities: learning mechanisms](#)
 - [P20 Draft recommendations](#)

 See [community group card](#)



Data Policy Standardisation and Implementation IG
Nominated lead: [Rebecca Taylor-Grant](#)

- Outputs and achievements:
- [Supporting output: Developing a Research Data Policy Framework for All Journals and Publishers](#)

 See [community group card](#)

*Workshop leads collected challenges, solutions and initiatives in preparation for the workshop and explained them during the workshop on behalf of their group.

- There is a lack of suitable policy, tools, guidelines, training, funding and incentives enabling non-traditional outputs to be assessed and rewarded in time-constrained research assessment contexts.

Disciplinary challenges

- Identification of meaningful qualitative criteria beyond bibliometrics is needed to enable research impact measurement; this may add a burden on researchers and evaluators when qualitatively assessing outputs.
- Consideration of discipline-specific maturity assessment is needed.
- A common understanding across all disciplines of the meaning of open science is lacking.

Challenges with evaluating non-traditional outputs

- Evaluation of research needs to evolve to recognise the diversity of outputs and there is a need to assess how to measure their impact.
- Non-traditional outputs e.g. research data and instruments are: i) not discoverable, recognised or rewarded; ii) less easy to evaluate. This results in over-emphasis on convenient assessment proxies for research credibility, quality and impact (e.g. journal impact factor, reputation).
- Tracking data citations and linking non-traditional outputs to traditional ones is challenging.



Common challenges

1. FAIR data and software creation

- Metadata standards and ontologies

1. Ethical considerations

- Personal or commercially sensitive data, consent, anonymisation, security and privacy, AI, data exploitation, democratising data

1. Social and cultural barriers

- Training and education, raising awareness, incentivisation and adoption

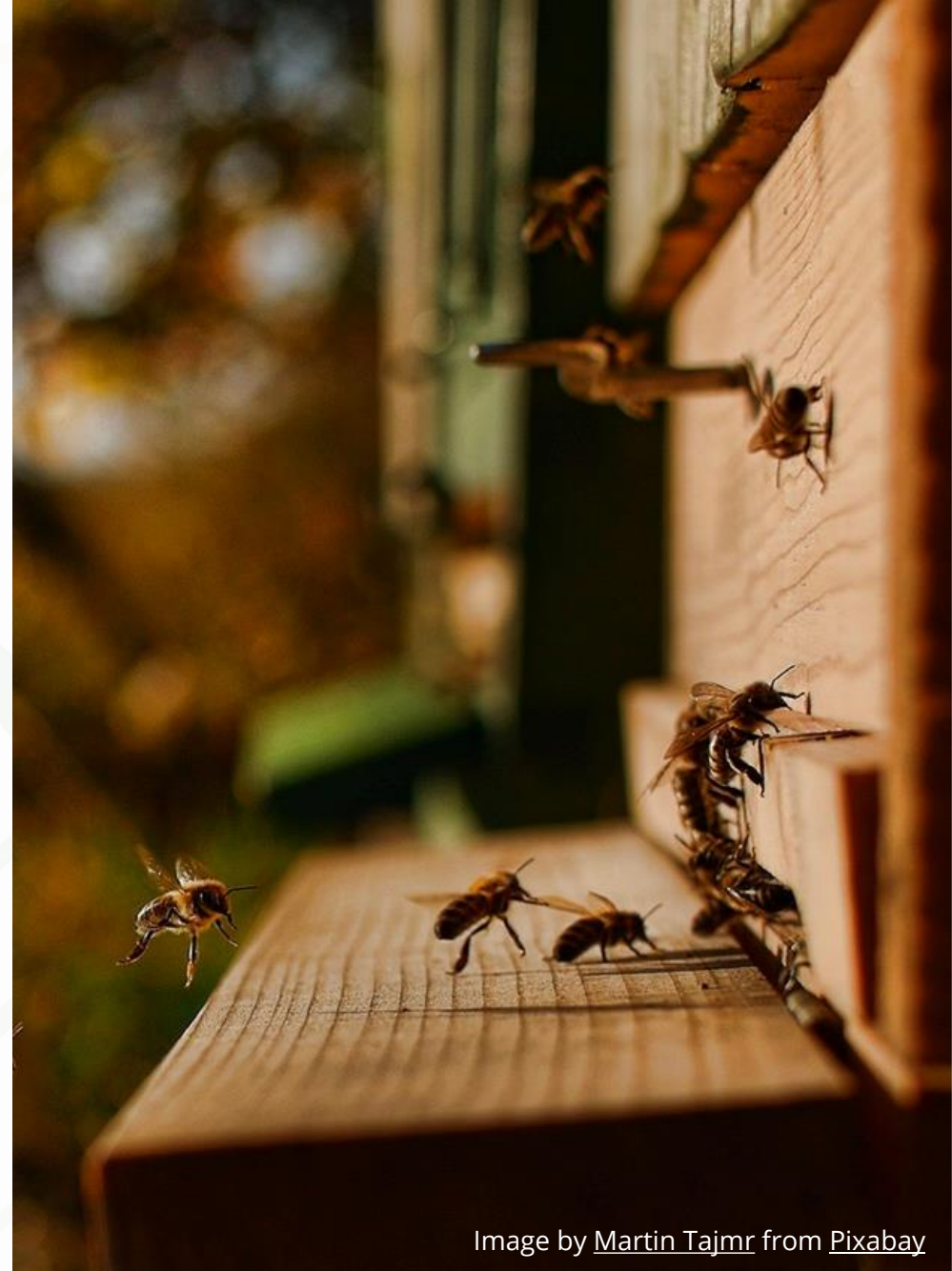


Image by [Martin Tajmr](#) from [Pixabay](#)



Sustainable Development & Responsible Research

Community Cross-fertilisation Workshop:

RDA for UN SDG 17: Capacity building, data sharing, infrastructure and development

26 September 2023
08:30 – 10:00 UTC

- [RDA for the Sustainable Development Goals IG](#)
- [Data for Development IG](#)
- [RDA / CODATA Data Systems, Tools, and Services for Crisis Situations WG](#)
- [Artificial Intelligence and Data Visitation \(AIDV\) WG](#)



[Register to attend](#)



SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD



<https://sdgs.un.org/goals>



Collaboration with Oracle for Research

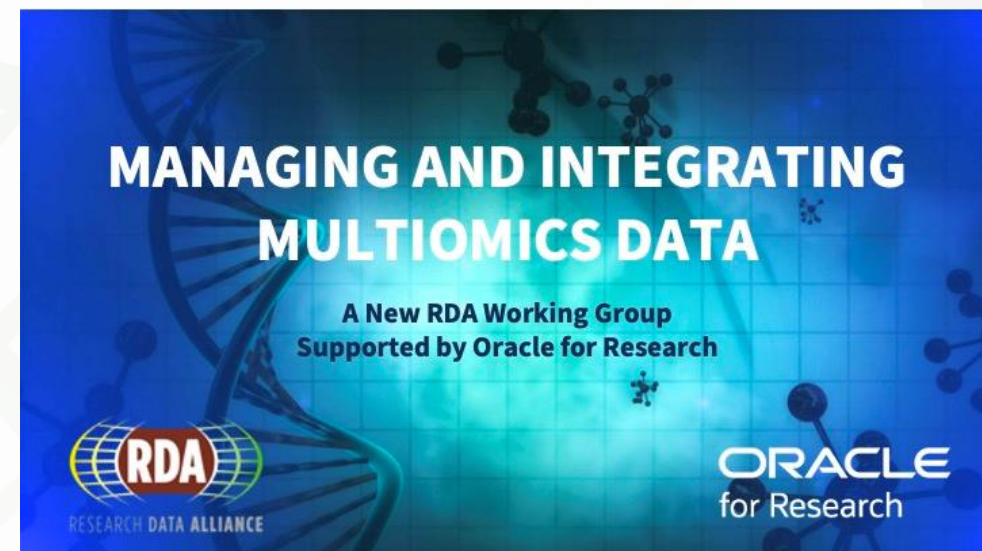
ORACLE
for Research

- [Public-private partnership model](#)
 - **Two WGs facilitated by the RDA** (12 months)
 - **Outputs owned by the RDA community**
 - **Supported by Oracle for Research**
- RDA's strategic plan 2024-2028
- Professional facilitation to support global volunteer effort
- Accelerate data-driven developments



Categorisation schema of types of research tools by research data lifecycle.

 [Read more](#)



Landscape analysis of widely used -omics community standards and best practices.

 [Read more](#)

Thank you

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RDA Global Community

13,500+ VOLUNTEER DATA PROFESSIONALS

👉 [JOIN THE COMMUNITY](#)

Email: enquiries@rd-alliance.org

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