



Presentation of Research Data Alliance

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University Library Maribor

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Why should this interest us?

1. Ethics

- RDM is part of the responsible conduct of research, i.e. the practice of scientific investigation with integrity
- Reproducibility crisis in science (well-managed and accessible data allows others to validate and replicate findings)

2. Requirements imposed by funders and publishers

- DMP as a deliverable in Horizon2020
- Open Science will be one of the pillars of the Horizon Europe, the next EU framework programme for research and innovation

3. Saves times and resources (in the long run)



Key data challenges in engineering

- 🌐 A lot of research is done in collaboration with industry which is reluctant to share data
- 🌐 Fear of losing competitive advantage
- 🌐 Fear of data being misused and misinterpreted
- 🌐 Lack of metadata standards and ontologies (for certain engineering fields)
- 🌐 Lack of domain-specific repositories (for certain engineering fields)



Research Data Alliance (RDA)



What is RDA?

RDA is an international **member based organization** focused on the development of infrastructure and community activities that reduce barriers to data sharing and exchange, and the acceleration of data driven innovation worldwide.

With more than 8,800 members globally representing 137 countries, RDA includes **researchers, scientists and data science professionals** working in multiple disciplines, domains and thematic fields and from different types of organisations across the globe.

RDA is building the social and technical bridges that enable open sharing of data to achieve its vision of researchers and innovators openly sharing data across technologies, disciplines, and countries to address the grand challenges of society.



What does RDA do?

Members come together through self-formed, volunteer, focussed Working Groups, 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!



DATA SHARING



Who Can Join RDA?

Any individual or organization, regardless of profession or discipline, with an interest in **reducing the barriers to data sharing and re-use** and who agrees to RDA's guiding principles of:

- 🌐 Openness
- 🌐 Consensus
- 🌐 Balance
- 🌐 Harmonization
- 🌐 Community-driven
- 🌐 Non-profit and technology-neutral

Individual Membership is free at <https://www.rd-alliance.org/user/register>



Why Join RDA as an Individual Member?

Individual Member Benefits

- **Contribute** to acceleration of data infrastructure development
- Work and **share experiences** with collaborators throughout the world
- **Access** to extraordinary network of colleagues with various levels of experience, perspectives and practices
- Gain greater **expertise** in data science regardless of whether one is a student, early or seasoned career professional
- **Enhance** the quality and effectiveness of personal work and activities
- **Improve** one's competitive advantage professionally and positioning oneself for leadership within the broader research community

Individual RDA Members 8,810



How to get involved?



RDA IGs and WGs

	Interest groups	Working groups
Number (Aug 19)	61	33
Members	Experts from the community	Experts from the community
Purpose	Platform for exchange on various topics	Focus on specific goal (concrete output)
Outputs	Supporting outputs	Recommendations and supporting outputs
Duration	Active over longer periods	Fixed period 12-18 months
Groups relevant for engineers	<ul style="list-style-type: none">• Research Data Management in Engineering IG• RDA/CODATA Materials Data, Infrastructure & Interoperability IG• Physical Samples and Collections in the Research Data Ecosystem IG	<ul style="list-style-type: none">• International Materials Resource Registries WG• Persistent identification of instruments WG• International Materials Data Registries WG



Plenary Meetings

- Organised around the world every 6 months
- exciting & productive events bringing together a unique community of **data science professionals, from multiple disciplines and domains;**
- help move the community forward in **creating tangible deliverables** that improve data sharing across disciplines, technologies, and countries;
- heart of the plenaries are working meetings of **RDA Working & Interest groups** and new potential groups through **Birds of a Feather** meetings
- presentation of new **Outputs and Adoption** cases



15th Plenary Meeting

15th Research Data Alliance Plenary Meeting

18-20
MARCH
2020

MELBOURNE
AUSTRALIA



www.rd-alliance.org





Call for Early Careers

- Currently engaged in Bachelor, Masters, PhD or Postdoc studies (i.e. enrolled in a higher education study course or within maximum 5 years after completing a PhD);
- Study is conducted in a higher education or research institution based in one of the EU Member states or Associated countries
- Studies are of relevance to RDA Recommendations or Outputs and cover at least one of the Working or Interest Groups

**RDA Europe
Early Career & Expert
Travel grants**

Deadline: 3rd February 2020

[→ Read blog post about my experience at the 12th RDA plenary as ERC](#)



RDA in Slovenia

Website:

<https://www.rd-alliance.org/groups/rda-slovenia>

Contact persons: **Janez Štebe**,
Irena Vipavc Brvar and **Maja Dolinar** (Slovenian Social Science Data Archive)



RESEARCH DATA ALLIANCE
EUROPE





Acknowledgments and resources

- 🌐 Jeuse, A. 2019. Adopting RDA Recommendations and Outputs Across the research data lifecycle: <https://www.rd-alliance.org/rda-outputs-overview-presentation>
- 🌐 RDA in a Nutshell (August 2019). <https://www.rd-alliance.org/sites/default/files/attachment/RDA-in-a-nutshell-August-2019.pptx>



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Let's stay in contact



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RDA Europe Ambassador for Engineering/Renewable materials: <https://www.rd-alliance.org/rda-disciplines/rda-europe-ambassadors>



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