

RDA in a nutshell

AENEAS Kick-off meeting
28 Feb 2017, Den Haag

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THE RESEARCH DATA ALLIANCE

www.rd-alliance.org

*building the social and technical
bridges that enable open sharing of
data*

17 FLAGSHIP OUTPUTS

of which 4 ICT
Technical
Specifications

75 ADOPTION CASES

across multiple
disciplines,
organisations &
countries

85 GROUPS WORKING ON GLOBAL DATA INTEROPERABILITY CHALLENGES

of which 35 WORKING GROUPS
& 50 INTEREST GROUPS

4,908 INDIVIDUAL MEMBERS FROM 118 COUNTRIES

66% Academia & Research
15% Public Administration
11% Enterprise & Industry

46 ORGANISATIONAL MEMBERS & 6 AFFILIATE MEMBERS



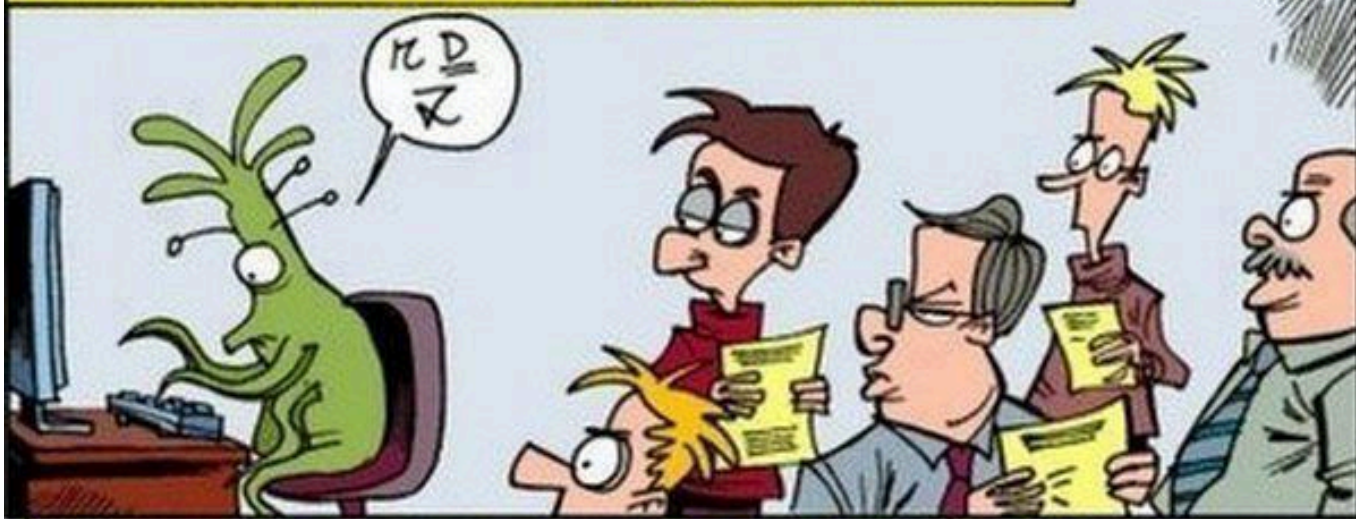
Vision

Researchers and innovators openly share 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** of data.

How users see the programmers



How programmers see the users



<https://goo.gl/wT8XEg>

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 4,900 members globally representing 118 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!



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 @
<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 4908

Organisational & Affiliate Members

43 Organisational Members

8 Affiliate Members



RDA Interest (IG) & Working Groups (WG) by Focus (1)

Total 85 groups:
35 Working Groups & 50 Interest Groups

Domain Science - focused

- ❑ **Agrisemantics WG**
- ❑ **BioSharing Registry WG**
- ❑ **Fisheries Data Interoperability WG**
- ❑ **On-Farm Data Sharing (OFDS) WG**
- ❑ **Rice Data Interoperability WG**
- ❑ **Wheat Data Interoperability WG**
- ❑ Agriculture Data IG (IGAD)
- ❑ Biodiversity Data Integration IG
- ❑ Chemistry Research Data IG
- ❑ Digital Practices in History and Ethnography IG
- ❑ Geospatial IG
- ❑ Global Water Information IG
- ❑ Linguistics Data Interest Group
- ❑ Health Data IG
- ❑ Mapping the Landscape IG
- ❑ Marine Data Harmonization IG
- ❑ Quality of Urban Life IG
- ❑ RDA/CODATA Materials Data, Infrastructure & Interoperability IG
- ❑ Research data needs of the Photon and Neutron Science community IG
- ❑ Small Unmanned Aircraft Systems' Data IG
- ❑ Structural Biology IG
- ❑ Weather, Climate and air quality IG

Community Needs - focused

- ❑ **Data Science and data-related education and training certification and accreditation schemes WG**
- ❑ **RDA/CODATA Summer Schools in Data Science and Cloud Computing in the Developing World WG**
- ❑ **Teaching TDM on Education and Skill Development WG**
- ❑ Archives & Records Professionals for Research Data IG
- ❑ Data for Development IG
- ❑ Development of Cloud Computing Capacity and Education in Developing World Research IG
- ❑ Education and Training on handling of research data IG
- ❑ Ethics and Social Aspects of Data IG

RDA Interest (IG) & Working Groups (WG) by Focus (2)

Total 85 groups:
35 Working Groups & 50 Interest Groups

Reference and Sharing - focused

- ☐ Data Citation WG
- ☐ Data Description Registry Interoperability WG
- ☐ Data Security and Trust WG
- ☐ Empirical Humanities Metadata WG
- ☐ RDA / WDS Publishing Data Bibliometrics WG
- ☐ Research Data Collections WG
- ☐ QoS-DataLC Definitions WG
- ☐ International Materials Resource Registries WG
- ☐ National Data Services IG
- ☐ RDA/CODATA Legal Interoperability IG
- ☐ Reproducibility IG
- ☐ Data Discovery Paradigms IG
- ☐ Repository Core Description WG
- ☐ Research Data Repository Interoperability WG

Partnership Groups

- ☐ RDA / TDWG Metadata Standards for attribution of physical and digital collections stewardship WG
- ☐ RDA/NISO Privacy Implications of Research Data Sets IG
- ☐ RDA/WDS Scholarly Link Exchange Working Group
- ☐ Repository Audit and Certification DSA-WDS Partnership WG
- ☐ RDA/WDS Publishing Data IG
- ☐ ELIXIR Bridging Force IG

RDA Interest (IG) & Working Groups (WG) by Focus (3)

Total 85 groups:
35 Working Groups & 50 Interest Groups

Data Stewardship and Services – focused

- ❑ **Brokering Framework WG**
- ❑ **Brokering Governance WG**
- ❑ **WDS/RDA Assessment of Data Fitness for Use WG**
- ❑ **RDA / WDS Publishing Data Services WG**
- ❑ **RDA / WDS Publishing Data Workflows WG**
- ❑ Active Data Management Plans IG
- ❑ Data in Context IG
- ❑ Data Rescue IG
- ❑ Data Versioning IG

- ❑ Domain Repositories IG
- ❑ Libraries for Research Data IG
- ❑ Long tail of research data IG
- ❑ Preservation e-Infrastructure IG
- ❑ Preservation Tools, Techniques, and Policies IG
- ❑ RDA/WDS Certification of Digital Repositories IG
- ❑ RDA/WDS Publishing Data Cost Recovery for Data Centres IG
- ❑ Repository Platforms for Research Data IG
- ❑ Research Data Provenance IG
- ❑ Virtual Research Environments IG

Base Infrastructure – focused

- ❑ **Array Database Assessment WG**
- ❑ **Data Foundation and Terminology WG**
- ❑ **Data Type Registries WG**
- ❑ **Metadata Standards Catalog WG**
- ❑ **Metadata Standards Directory WG**
- ❑ **PID Information Types WG**
- ❑ **PID Kernel Information WG**
- ❑ **Practical Policy WG**

- ❑ Data Fabric IG
- ❑ Data Foundations and Terminology IG
- ❑ Big Data IG
- ❑ Brokering IG
- ❑ Federated Identity Management IG
- ❑ Metadata IG
- ❑ PID IG
- ❑ Vocabulary Services IG

RDA Recommendations that make data work

“Create - Adopt - Use”

- ✓ Adopted code, policy, specifications, standards, or practices that enable data sharing
- ✓ “Harvestable” efforts for which 12-18 months of work can eliminate a roadblock
- ✓ Efforts that have substantive applicability to groups within the data community but may not apply to all
- ✓ Efforts that can start today

17 flagship recommendations & outputs with over
75 cases of adoption in different domains, organisations and countries

What are 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

RDA Plenary Meetings: benefits of attending



Exchange knowledge, share discoveries, discuss barriers and potential solutions



Learn about new trends, strategies, research developments, directions and policies



Expand your network and meet new committed and passionate data science professionals, working in multiple disciplines



Contribute to acceleration of data infrastructure development

INTERNATIONAL DATA WEEK 2016

WWW.INTERNATIONALDATAWEEK.ORG

DENVER, COLORADO, US
11-17 SEPTEMBER 2016

Organized by:



▪ RDA deliverables presented:

- RDA/CODATA Summer Schools in Data Science and Cloud Computing in the Developing World WG
- Brokering Governance WG
- Metadata Standards Catalog WG Recommendations
- Biosharing Registry WG Recommendations
- Scholix Framework
 - + 6 Adoption cases

▪ 69 Breakout session meetings:

- 12 BoF Meetings
- 31 Interest group meetings
- 10 Working group meetings
- 16 Joint group meetings
- 69 Breakout sessions

▪ Newcomers Session, 2 RDA organisational members meeting, TAB and Chairs session

- RDA/EU sponsored 8 European Early Career Researchers and Scientists & RDA/US sponsored 8 Fellowship
- 42 posters on display



RESEARCH DATA ALLIANCE
8th Plenary Meeting

15-17 September 2016
Denver, Colorado, US

549 participants from 33 countries



RDA 9th Plenary Meeting

Data Infrastructures for Open Science

**5-7 April 2017, Barcelo Sants Hotel,
Barcelona, Spain**

Organised by Barcelona Supercomputing Center (BSC) with the support of RDA Europe



Register now:

<https://www.rd-alliance.org/plenaries/rda-ninth-plenary-meeting-barcelona/rda-9th-plenary-registration>

Early Bird Registration until 27th February 2017 midnight CET

<https://www.rd-alliance.org/plenaries/rda-ninth-plenary-meeting-barcelona>

Looking forward to seeing you all in Barcelona!



Call for Poster Session

<https://www.rd-alliance.org/plenaries/rda-ninth-plenary-meeting-barcelona/rda-9th-plenary-poster-session>

APPLICATIONS are due: 12th March 2017 at 23:00 UTC

RDA 10th ème



Montréal, Canada
19-21 September 2017
19 au 21 septembre 2017

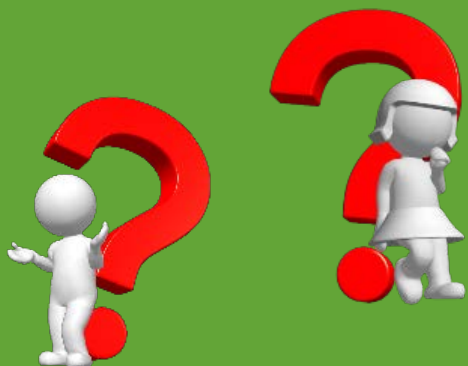
Plenary Meeting
Conférence plénière

The 10th RDA Plenary Meeting will take place from 19 to 21 September 2017 in Montreal, Canada. The meeting is co-organised by RDA, the University of Montreal and Research Data Canada, Canada.

<https://www.rd-alliance.org/plenaries/rda-tenth-plenary-meeting-montreal-canada>

RDA in a Nutshell

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RDA Global

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