



RDA in a nutshell

June 2017

THE RESEARCH DATA ALLIANCE

www.rd-alliance.org

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

18 FLAGSHIP OUTPUTS

of which 4 ICT
Technical
Specifications

75 ADOPTION CASES

across multiple
disciplines,
organisations &
countries

82 GROUPS WORKING ON GLOBAL DATA INTEROPERABILITY CHALLENGES

of which 29 WORKING GROUPS
& 53 INTEREST GROUPS

5,629 INDIVIDUAL MEMBERS FROM 126 COUNTRIES

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

43 ORGANISATIONAL MEMBERS & 8 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.

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 5,600 members globally representing 126 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?

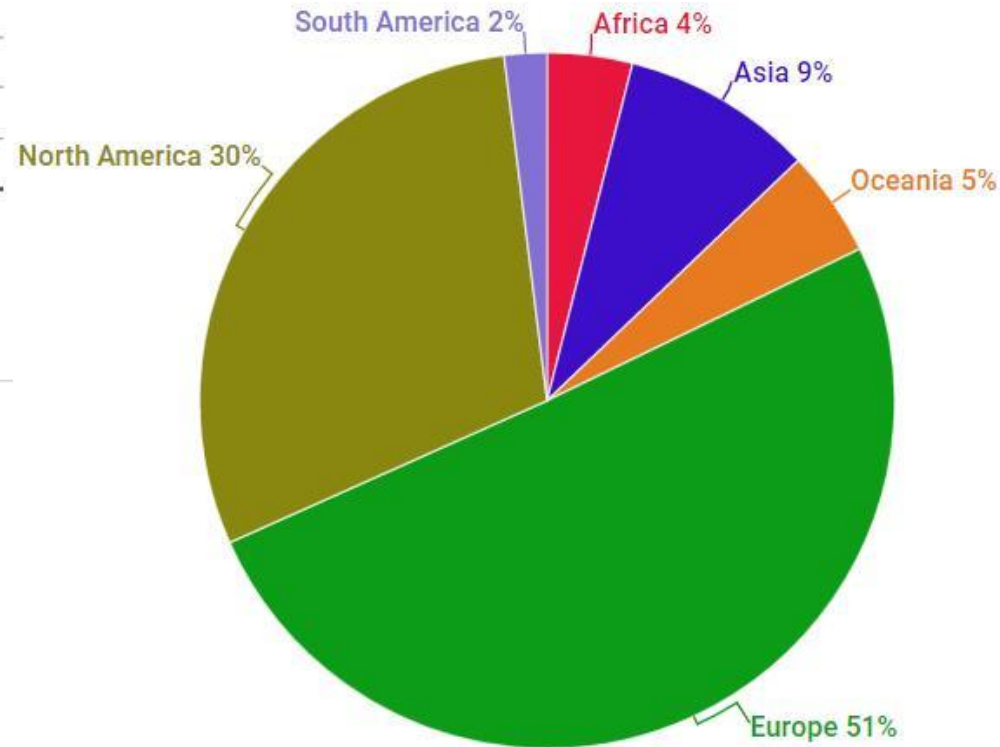
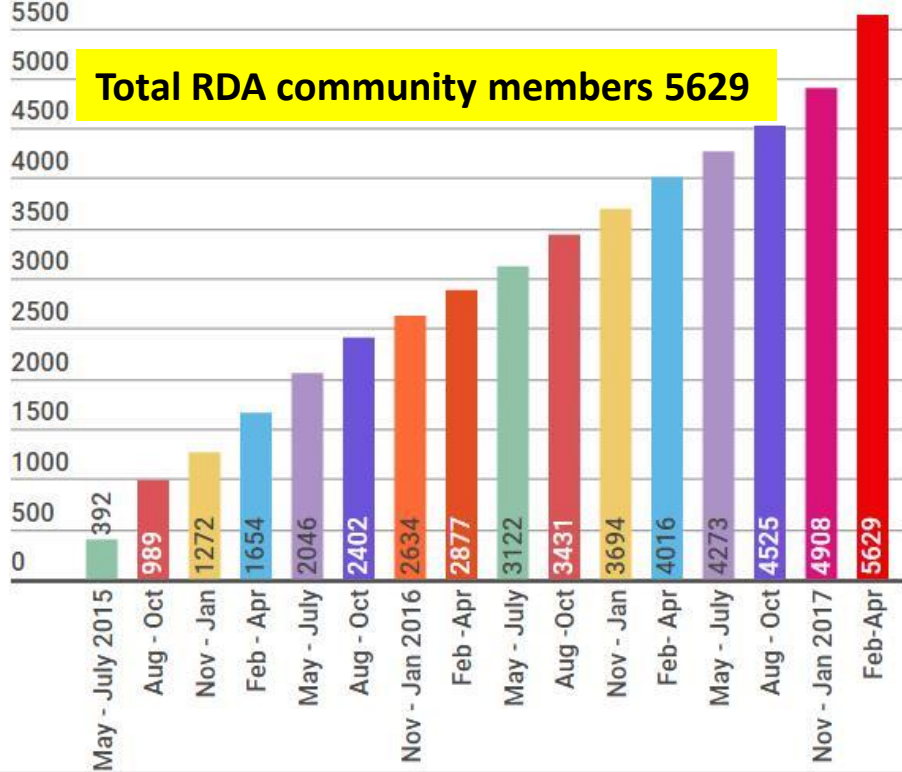
Individual Member Benefits

- **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

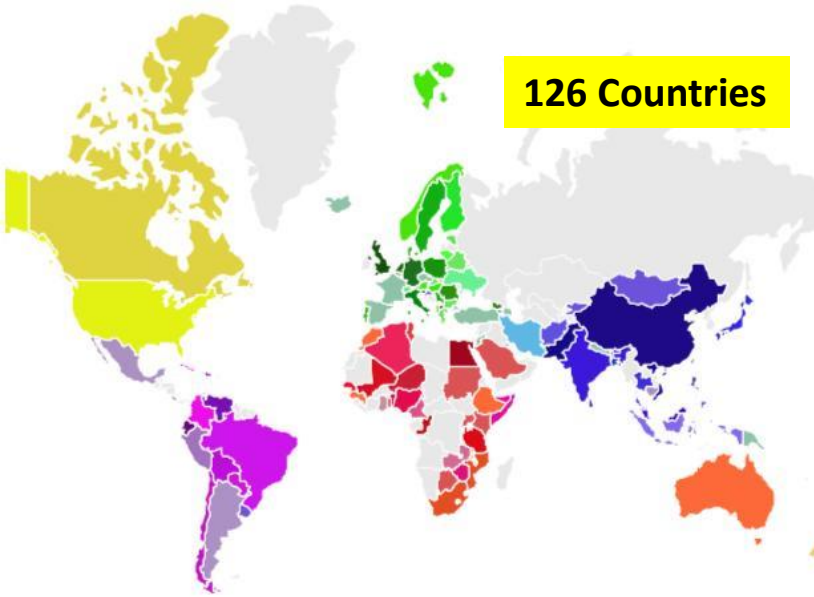
Individual RDA Members 5629

RDA worldwide growth

Total RDA community members 5629



126 Countries



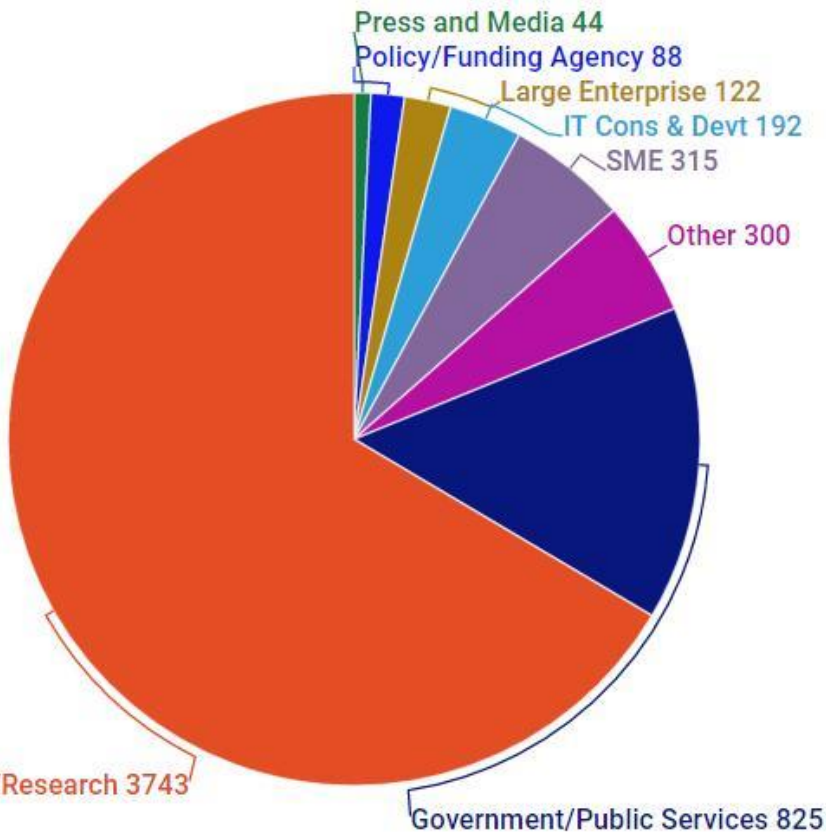
rd-alliance.org/about-rda

WWW.RD-ALLIANCE.ORG
[@RESDATALL](https://twitter.com/RESDATALL)



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Who is RDA?



Why Join RDA as an Organisational Member?

Organisational Member Benefits

- Provide an **organizational perspective** on the work of RDA and ability to influence RDA's direction
- Assist in **implementation & adoption** of RDA Recommendations & Outputs
- Participate in all RDA Organizational Forums
- Receive regular **updates** on the work of the RDA
- Attend Organizational Assembly meetings and vote on **proposed policies** for consideration by the RDA Council and for members of the Organizational Advisory Board
- Provide **advice to RDA Council** through the Organizational Advisory Board
- Be recognized on the RDA Website and at RDA Meetings as a **supporter of data interoperability**

43 Organisational & 8 Affiliate Members

Organisational & Affiliate Members

43 Organisational Members

8 Affiliate Members

The Association of Commonwealth Universities



Caltech



canarie



ASU CENTER FOR BIOLOGY + SOCIETY
ARIZONA STATE UNIVERSITY



Corporation for National Research Initiatives®



DataONE
Data Observation Network for Earth



DeiC

RatSWD.
German Data Forum



DANS

EUDAT



Griffith UNIVERSITY

HELMHOLTZ ASSOCIATION



icm interdyscyplinarne centrum modelowania matematycznego i komputerowego
Uniwersytet Warszawski

AIST National Institute of Advanced Industrial Science and Technology

stm



MPCDF MAX PLANCK COMPUTING & DATA FACILITY



netherlands **Science center**



PURDUE UNIVERSITY LIBRARIES



RDC DRC
Research Data Canada – Données de Recherche Canada

RDS
www.rds.edu.au



University of Pittsburgh

Science & Technology Facilities Council



webscience TRUST

WILEY

casrai
Connecting Research

DataCite
International Data Citation

GODAN
Global Open Data for Agriculture & Nutrition

Enabling Science and Innovation
ICSI
International Council for Scientific and Technical Information

ICODAT
ICSU
WORLD DATA SYSTEM

ORCID

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

Total 82 groups:
29 Working Groups & 53 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**
- Agricultural Data IG (IGAD)
- Biodiversity Data Integration IG
- Chemistry Research Data IG
- Digital Practices in History and Ethnography IG
- Geospatial IG
- Global Water Information IG
- Health Data IG
- Linguistics Data Interest Group
- 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

- Certification and Accreditation for Data Science Training and Education 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
- Early Career and Engagement IG
- Education and Training on handling of research data IG
- Ethics and Social Aspects of Data IG
- International Indigenous Data Sovereignty IG

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

Total 82 groups:
29 Working Groups & 53 Interest Groups

Reference and Sharing - focused

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

Partnership Groups

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

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

Total 82 groups:
29 Working Groups & 53 Interest Groups

Data Stewardship and Services – focused

- ❑ **Brokering Framework WG**
- ❑ **WDS/RDA Assessment of Data Fitness for Use 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 Type Registries WG**
- ❑ **Metadata Standards Catalog WG**
- ❑ **PID Kernel Information 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

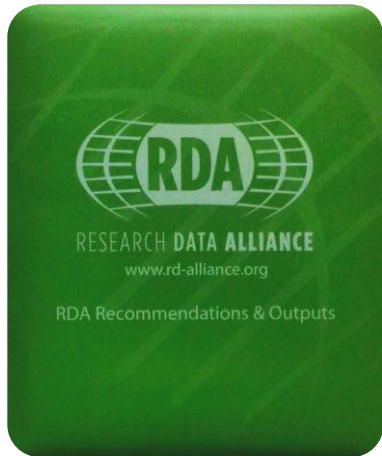
RDA Recommendations that make data work

“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

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

RDA Recommendations & Outputs



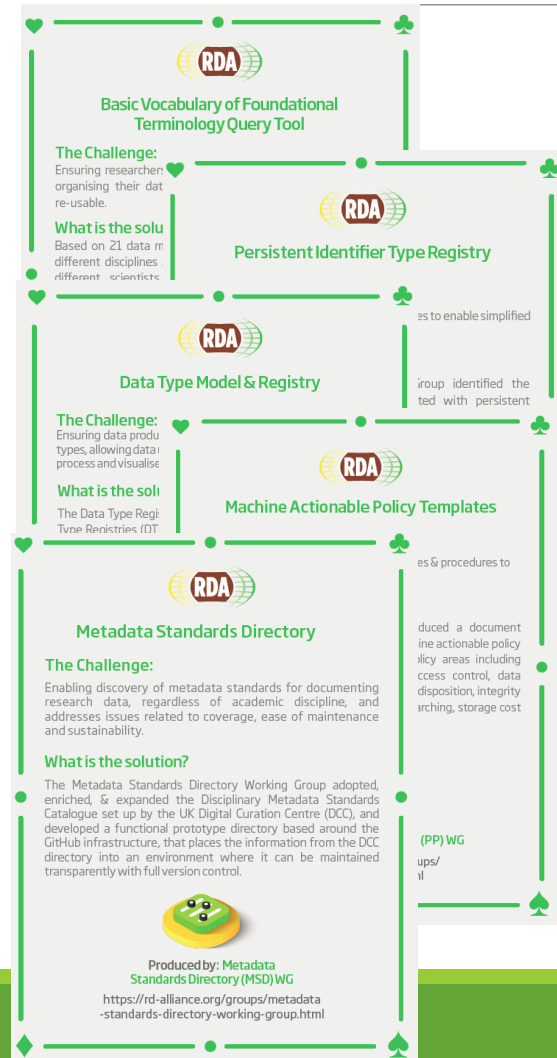
THE RDA OUTCOMES LEGEND

Recommendations: are the flagship outputs of RDA. They are RDA's equivalent of the "specifications" or "standards" that other organisations create and endorse. The process for creating and endorsing these is already defined.

Supporting Outputs: are the outputs of RDA WGs and IGs that are fruit of RDA work, but are not necessarily adoptable bridges. "Upon request", these sort of outputs go through a community comment period and if no major objections or gaps are identified they get the RDA Brand.

Other Outputs: include workshop reports, published articles, survey results, etc. Anything a WG or IG wants to register and report. Upon request, these are published and discoverable on the RDA website but have no level of endorsement.

RDA Recommendations & Outputs



Data Foundation & Terminology: a model for data in the registered domain.

PID Information Types: a common protocol for providers and users of persistent ID services worldwide.

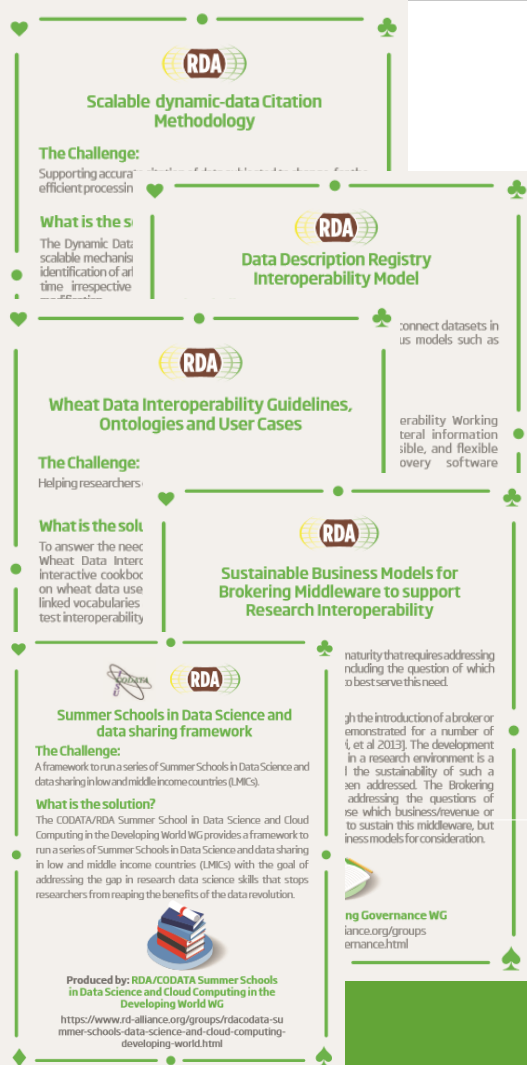
Data Type Registries: allowing humans and machines to act on unknown, but registered, data types.

Practical Policy: defining best practices of how to deal with data automatically and in a documented way with computer actionable policy.

Metadata standards directory: Community curated standards catalogue for metadata interoperability

rd-alliance.org/recommendations-and-outputs/all-recommendations-and-outputs

RDA Recommendations & Outputs



Scalable dynamic-data Citation Methodology

The Challenge: Supporting accurate efficient processin

What is the s
The Dynamic Data scalable mechanism identification of all time irrespective

Data Description Registry Interoperability Model

connect datasets in us models such as

Wheat Data Interoperability Guidelines, Ontologies and User Cases

The Challenge: Helping researchers

What is the solt
To answer the need Wheat Data Inter interactive cookbook on wheat data use linked vocabularies test interoperability

Sustainable Business Models for Brokering Middleware to support Research Interoperability

erability Working teral information sible, and flexible every software

Summer Schools in Data Science and data sharing framework

The Challenge: A framework to run a series of Summer Schools in Data Science and data sharing in low and middle income countries (LMICs).

What is the solution?
The CODATA/RDA Summer School in Data Science and Cloud Computing in the Developing World WG provides a framework to run a series of Summer Schools in Data Science and data sharing in low and middle income countries (LMICs) with the goal of addressing the gap in research data science skills that stops researchers from reaping the benefits of the data revolution.

ng Governance WG
ianco.org/groups erance.html

Produced by: RDA/CODATA Summer Schools in Data Science and Cloud Computing in the Developing World WG
<https://www.rd-alliance.org/groups/rdacodata-summer-schools-data-science-and-cloud-computing-developing-world.html>

Data Citation: defining mechanisms to reliably cite dynamic data

Data Description Registry Interoperability solutions enabling cross platform discovery based on existing open protocols and standards

Wheat Data Interoperability impacting the discoverability, reusability and interoperability of wheat data by building a common framework for describing, representing linking and publishing wheat data

Brokering Governance WG: Sustainable Business Models for Brokering Middleware to support Research Interoperability

RDA/CODATA Summer Schools in Data Science and Cloud Computing in the Developing World WG: A framework to run a series of Summer Schools in Data Science and data sharing in low and middle income countries (LMICs)

rd-alliance.org/recommendations-and-outputs/all-recommendations-and-outputs

RDA Recommendations & Outputs



Repository Audit and Certification Catalogues

Bibliometric Indicators for Data Publishing

Workflows for Research Data Publishing: Models and Key Components

An open, universal literature-data cross-linking service

The Challenge:
Sharing information about the links between the literature and research data.

What is the solution?
Building on pre-existing components and international initiatives, the RDA/WDS Publishing Data Services Working Group is one of the drivers behind the "Data Literature Interlinking Service" (DLI), developed in a synergy with OpenAIRE & PANGAEA. DLI is aimed at improving visibility, discoverability, re-use and reproducibility by bringing 2M+ existing article/data links together, normalize them using a common schema, and exposing the full set as an open service.

Produced by: RDA/WDS Publishing Data Services WG
<https://rd-alliance.org/groups/rdawds-publishing-data-services-wg.html>

Repository Audit and Certification DSA–WDS: A convergent DSA-WDS certification standard to help eliminate duplication of effort, increase certification procedure coherence and compatibility thus benefitting researchers, data managers, librarians and scientific communities.

RDA/WDS Publishing Data Bibliometrics: improved research data metrics and corresponding services, with the final goal of increasing the overall availability and quality of citations and research data itself.

RDA/WDS Publishing Data Workflows: enhance the possibilities for greater discoverability and a more efficient and reliable reuse of research data benefitting other stakeholders like publishers, libraries and data centres.

RDA/WDS Publishing Data Services: A universal interlinking service between data and the scientific literature. **The Scholix initiative** a high level interoperability framework for exchanging information about the links between scholarly literature and data. It aims to build an open information ecosystem to understand systematically what data underpins literature and what literature references data.

rd-alliance.org/recommendations-and-outputs/all-recommendations-and-outputs

RDA Recommendations & Outputs



23 Things For Research Data Management




Legal Interoperability of Research Data: Principles and Implementation Guidelines



Matrix of use cases and functional requirements for research data repository platform

The Challenge:
Gather and analyze research data use cases in the context of repository platform requirements

What is the solution?
Based on use cases, the matrix describes forty-four functional requirements identified for research data repository platforms and provides a score identifying relative importance. These functional requirement scores can be used to assess research data repository platforms and to prioritize functional requirements for development and adoption.

Produced by: **Repository Platforms for Research Data IG**
<https://www.rd-alliance.org/groups/repository-platforms-research-data.html>

23 Things: Libraries For Research Data An overview of practical, free, online resources and tools that users can immediately take advantage of to incorporate research data management into the practice of librarianship.

Legal Interoperability of Research Data Principles and Implementation Guidelines: a set of principles and practical implementation guidelines offered as high-level guidance to all members of the research community —the funders, managers of data centers, librarians, archivists, publishers, policymakers, university administrators, individual researchers, and their legal counsel.

Matrix of use cases and functional requirements for research data repository platform Based on use cases, the matrix describes forty-four functional requirements identified for research data repository platforms and provides a score identifying relative importance.

BioSharing Recommendations Data repositories, standards and policies in the life, biomedical and environmental sciences

rd-alliance.org/recommendations-and-outputs/all-recommendations-and-outputs

Adoption & Implementation

*“Solving the problem must include **adopters** in the process, to ensure that real problems are addressed. Open problem solving is the key.”*

RDA Recommendations and Outputs take the form of technical specifications, code, policies or practices, harmonized standards or reference models. In the widest sense these aim for:

- Greater data sharing, exchange, interoperability, usability and re-usability;
- Greater discoverability of research data sets;
- Better management, stewardship, and preservation of research data;
- New data standards or harmonization of existing standards.

RECOMMENDATIONS & OUTPUTS

All Recommendations & Outputs

Adoption Use Cases

Become an RDA Adopter



Addressing data challenges

<https://www.rd-alliance.org/recommendations-and-outputs/all-recommendations-and-outputs>



75 Adoption Cases

<https://www.rd-alliance.org/recommendations-and-outputs/adoption-recommendations>



Find out how you can become an Adopter

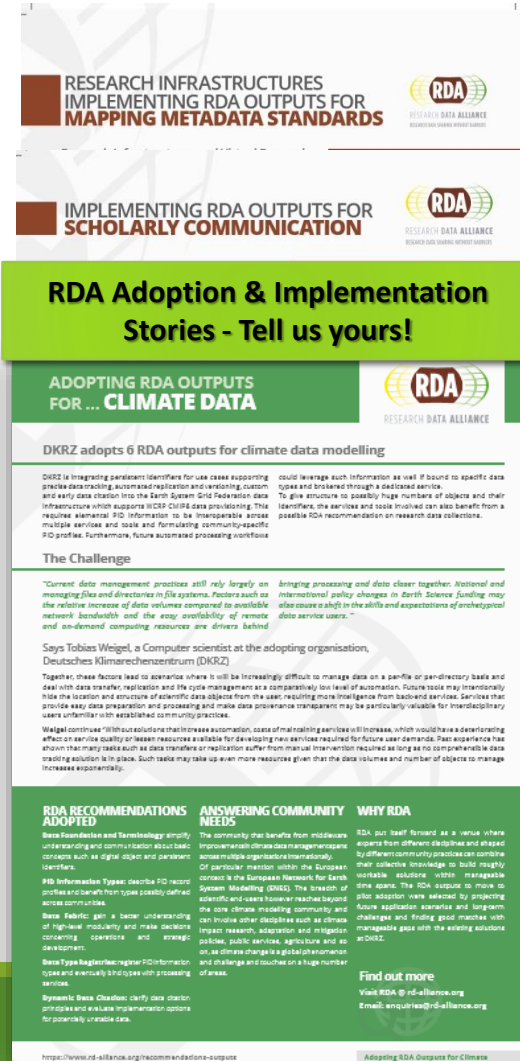
<https://www.rd-alliance.org/recommendations-and-outcomes/become-rda-adopter>

rd-alliance.org/Recommendations-and-outputs/all-recommendations-and-outputs

WWW.RD-ALLIANCE.ORG
@RESDATALL



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RESEARCH INFRASTRUCTURES IMPLEMENTING RDA OUTPUTS FOR MAPPING METADATA STANDARDS

IMPLEMENTING RDA OUTPUTS FOR SCHOLARLY COMMUNICATION

RDA Adoption & Implementation Stories - Tell us yours!

ADOPTING RDA OUTPUTS FOR ... CLIMATE DATA

DKRZ adopts 6 RDA outputs for climate data modelling

DKRZ is integrating persistent identifiers for use cases supporting precise data tracking, automated replication and versioning, custom and early data access into the Earth System Grid Federation data infrastructure which supports ICSF Cloud data provisioning. This requires elemental PID information to be interoperable across multiple services and tools and formulating community-specific PID profiles. Furthermore, future automated processing workflows could leverage such information as well if bound to specific data types and brokered through a dedicated service. To give structure to possibly huge numbers of objects and their identifiers, the services and tools involved can also benefit from a possible RDA recommendation on research data collection.

The Challenge

"Current data management practices still rely largely on managing files and directories in file systems. Factors such as the relative increase of data volumes compared to available network bandwidth and the easy availability of remote and on-demand computing resources are drivers behind bringing processing and data closer together. National and international policy changes in Earth Science funding may also cause a shift in the skills and expectations of individual data service users."

Says Tobias Weigel, a Computer scientist at the adopting organisation, Deutsches Klimarechenzentrum (DKRZ)

Together, these factors lead to scenarios where it will be increasingly difficult to manage data on a per-file or per-directory basis and deal with data transfer, replication and the cycle management on a comparatively low level of automation. Future tools may increasingly hide the location and structure of scientific data objects from the user, requiring more intelligence from backend services. Services that provide easy data presentation and processing and make data provenance transparent may be particularly valuable for interdisciplinary users unfamiliar with established community practices.

Weigel continues "With automation that increases automation, ease of maintaining services will increase, which would have a devalorizing effect on service quality or human resources available for developing new services required for future user demands. Past experience has shown that may take such as data transfer or replication suffer from manual intervention required as long as no comprehensive data handling solution is in place. Such tasks may take up even more resources given that the data volumes and number of objects to manage increase exponentially.

RDA RECOMMENDATIONS ADOPTED

Data Standardisation and Terminology simplify understanding and communication across contexts such as digital object and persistent identifiers.

PID Information Types: describe PID record profiles and handle from types possibly defined across communities.

Data Fabric: gain a better understanding of high-use metadata and make consistent conveying cooperative and strategic development.

Basic Types Register: register PID information types and eventually bind types with processing services.

Byronic Data Chaining: clarify data chain propagation and implementation options for potentially variable data.

ANSWERING COMMUNITY NEEDS

The community that benefits from individual organisations' data management experience across multiple organisations internationally. Of particular mention within the European context is the European Framework for Earth System Modelling (ESM). The breadth of scientific end-users however reaches beyond the core climate modelling community and can involve other disciplines such as climate impact research, adaptation and mitigation policies, public services, agriculture and so on, as climate change is a global phenomenon and challenge and touches on a huge number of areas.

WHY RDA

RDA put itself forward as a venue where experts from different disciplines and shaped by different community practices can combine their collective knowledge to build mutually workable solutions. With manageable time spans. The RDA support to move to other adoption cases achieved by providing future application scenarios and long-term challenge and finding good matches with manageable goals with the existing solutions.

Find out more

Visit RDA @ rd-alliance.org
Email: enquiries@rd-alliance.org

<https://www.rd-alliance.org/recommendations-and-outputs>

Adopting RDA Outputs for Climate

Call for Supporting and Other RDA Outputs



If your group has produced something that you would like to share with the broader community, please send it to enquiries@rd-alliance.org and indicate whether you would like it to be considered as a 'Supporting' or 'Other' output.

**THE RESEARCH
DATA ALLIANCE**
RECOMMENDATIONS
& OUTPUTS



<https://rd-alliance.org/call-supporting-and-other-rda-outputs>

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

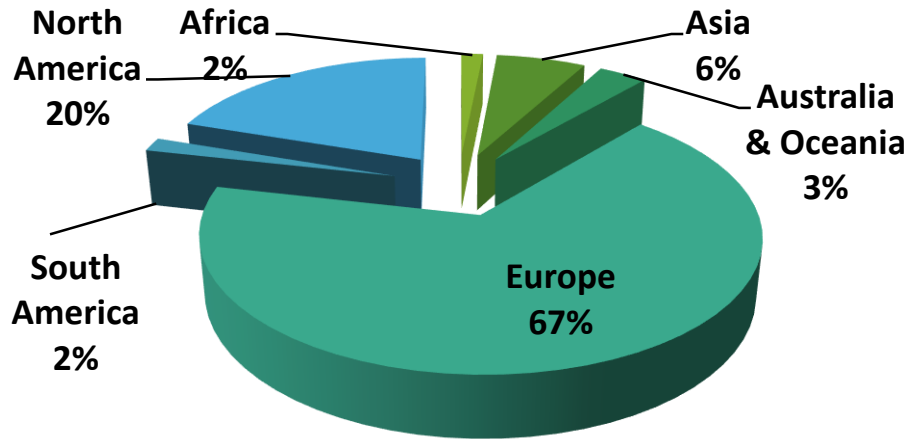
549 participants from 33 countries

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



73 Breakout meetings
of which 15 Working Groups
of which 32 Interest Groups
of which 13 Joint Working & Interest Groups
3 Outputs presented
54 Posters

620 participants from 45 countries



RDA 10th ème



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

Plenary Meeting
Conférence plénière



RDA Plenary 11

BERLIN, GERMANY

MARCH 2018

RDA in a Nutshell

WWW.RD-ALLIANCE.ORG/
@RESDATALL



RDA Global

Email - enquiries@rd-alliance.org

Web - www.rd-alliance.org

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www.linkedin.com/in/ResearchDataAlliance

Slideshare -

<http://www.slideshare.net/ResearchDataAlliance>

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Twitter - [@RDA_Europe](https://twitter.com/RDA_Europe)

RDA US

Twitter - [@RDA_US](https://twitter.com/RDA_US)

RDA Europe



General Support

- Giving advice and support (incl. sending an expert to location)
- Early Career Programme (travel support to plenaries)
- Chairs Programme (supporting travel of chairs)
- Co-Organising community-based meetings
- Co-Organising regional/national meetings

RDA Europe is funded by the European Union.

Training & Webinars

Training webinars, face-to-face workshops, hackathons/datathons partly organized as “summer schools” and special meetings on request.

Delivered in different formats by International Experts:

- RDA recommendations and outputs – e.g. *Data Description Registry Interoperability*
- General topics – e.g. *Data Management Plans, State of EU Copyright discussion*
- Interviews – e.g. *Open Science/Open Data/Innovation*
- Information sessions – e.g. *What happened at the Barcelona Plenary?*



Outreach and politics

- How to contribute to European Open Science Cloud
- In contact with Policy makers, e.g. RDA meets Heads of EC-DGs

RDA Europe Atlas of Knowledge Pilot



Moderated wiki focusing on issues raised by RDA Working and Interest Groups but will also incorporate topics with a much broader focus

Advice about research data issues and to also carry out analysis work to clarify open questions.

Executed in collaboration with research communities & experts from different fields & initiatives with deep experience & knowledge to give the most comprehensive answers

RDAEU3 Atlas of Knowledge Home

The RDA Europe Atlas of Knowledge is a pilot maintained and moderated by RDA Europe. It aims to provide resources which contribute to the improvement of data sharing and re-use and to enable uptake of the results of the RDA activities. The Atlas is closely related to RDA Interest Group and Working Group activities, but will also contextualise RDA activities by including information on related initiatives.

As a resource, the Atlas is aimed at all types of data professionals including data scientists, data managers and policy makers.

To make it an even more useful source of information we would like to encourage interested experts to contribute by submitting contributions, comments and questions. The pilot Atlas of Knowledge will be moderated by RDA Europe's support team to ensure relevant and concise information. Please note that the support team will provide quality control for the format of these contributions but in general not comment on content.

The Atlas of Knowledge currently contains 6 sections:

- a (short) list of abbreviations and acronyms which will be extended over time
- a list of questions and answers, to which experts can contribute
- information about adoption cases of RDA Working Group outputs
- a list of documents related to RDA activities
- a list of services that emerged in the realm of RDA activities and
- most important information about the outputs of RDA Working Groups

The support team will implement further optimisation with respect to navigation and other aspects dependent on its uptake and use.

RDA Working Groups

- [Publishing Data Bibliometrics Working Group](#)
- [Practical Policy](#)
- [Brokering Governance WG](#)
- [Publishing Data Workflows WG](#)
- [Publishing Data Services WG](#)
- [DSA/WDS Certification of Repositories](#)
- [Wheat Group](#)

Question & Answer

- [Your information sounds very useful, but I don't quite understand how to apply it in my usual research practice. Is there a way to learn that?](#)
- [Where can I find a list of "data policy" documents?](#)
- [How does my organisation become an Organisational Member?](#)
- [Why become an RDA Organisational Member](#)
- [Can I join RDA if my institution is not a member of RDA?](#)

Recommended external resources

- [RDA: Time to deliver](#)
- [Principles for Data Sharing and Re-use: are they all the same?](#)
- [Data Management Trends, Principles and Components - What Needs to be Done Next?](#)
- [European Scientists view on Research Data and corresponding challenges](#)
- [Digital Agenda to unlock the full value of scientific data:](#)

<https://confluence.csc.fi/display/RDAEUKB/RDAEU3+Atlas+of+Knowledge+Home>

RDA Europe Adoption Projects

Objective: to support communities that want to test/adopt RDA outputs.



Dynamic Data Citation & the Argo data set
Adopting: Dynamic Data Citation



Creation of a Query interface for phenotyping data
Adopting: Wheat Data Interoperability (WDI)



Integration of the RDA Metadata Standards Directory into DMPonline
Adopting: Metadata Standards Directory



Analysis of the OpenPhilology/Perseus and the CLARIN data repositories
Adopting: Data Foundation and Terminology



Implementation of a Query Store for the VAMDC infrastructure
Adopting: Data Citation



Integration of the DLI Service into the OpenAire infrastructure
Adopting: Publishing Data services



Introduction of PIDs to the Armenian Life Sciences
Adopting: PID Information Types

RDA DEutschland



Spread the word of RDA

- Bring together all German research data practitioners
- Promote RDA and RDA outputs
- How?
 - Since 2014: RDA DE Meetings in November
 - Since 2016: RDA DE Trainings

<http://www.forschungsdaten.org/index.php/RDA-DE>

RDA DE Communication

Mailinglist Forschungsdaten:

<https://www.listserv.dfn.de/sympa/subscribe/forschungsdaten>

Wiki:

www.forschungsdaten.org

RDA DE e.V.

- Currently no organization in Germany
- Some people just “do” RDA DE
 - Many individuals
 - Help of the Helmholtz Open Science Koordinationsbüro and RDA Europe people in Germany
- “RDA DE e.V.”
 - “Verein” for individual persons
 - Central contact for RDA in Germany
 - To be founded in fall 2017

RDA DE e.V. - Goals

- Consultant to science organizations, funding agencies and companies
- Support for the professionalization of research data management
- Support the dialogue between scientists and research data managers
- Public outreach on the importance of safeguarding and facilitating the re-use of research data