



The Research Data Alliance: a (data) window to the world

Workshop The Portuguese node of the RDA,
Open Science Fair, Porto, 16-09-2019

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RESEARCH DATA ALLIANCE

What's in a word?

open science
open data
research data
management
FAIR
data commons
science cloud
eResearch

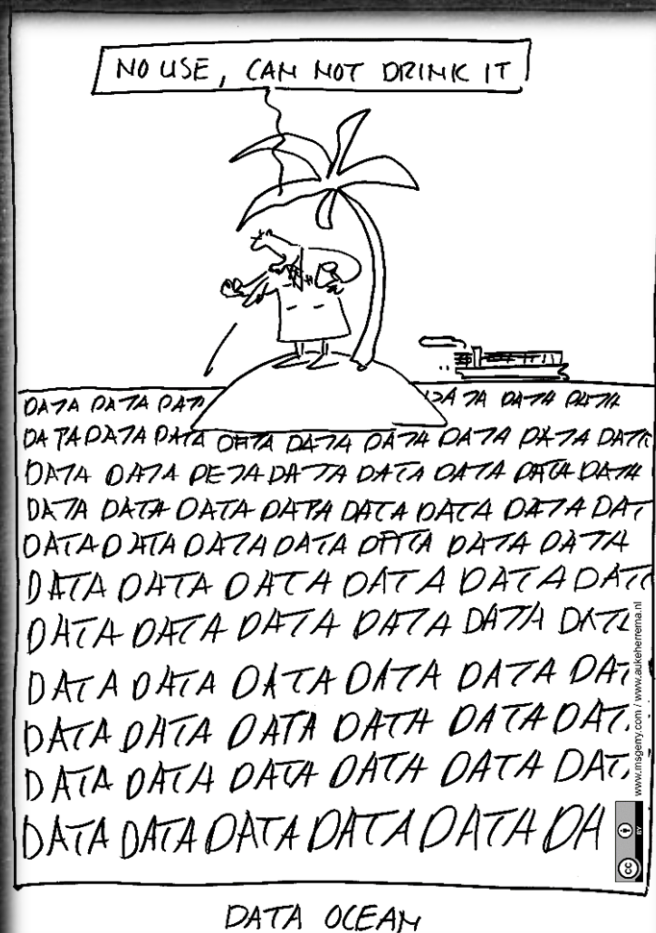


Ambitious ... but not impossible

The RDA Vision

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

Complex ... but achievable



The RDA Mission
Build the social and technical bridges that enable open sharing and re-use of data.

RDA Guiding Principles

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



Designed and developed by the Community
... for the community



Multi, cross- and
inter-disciplinary

Grass roots approach

International, neutral,
social platform



Truly Global ...
Truly community driven



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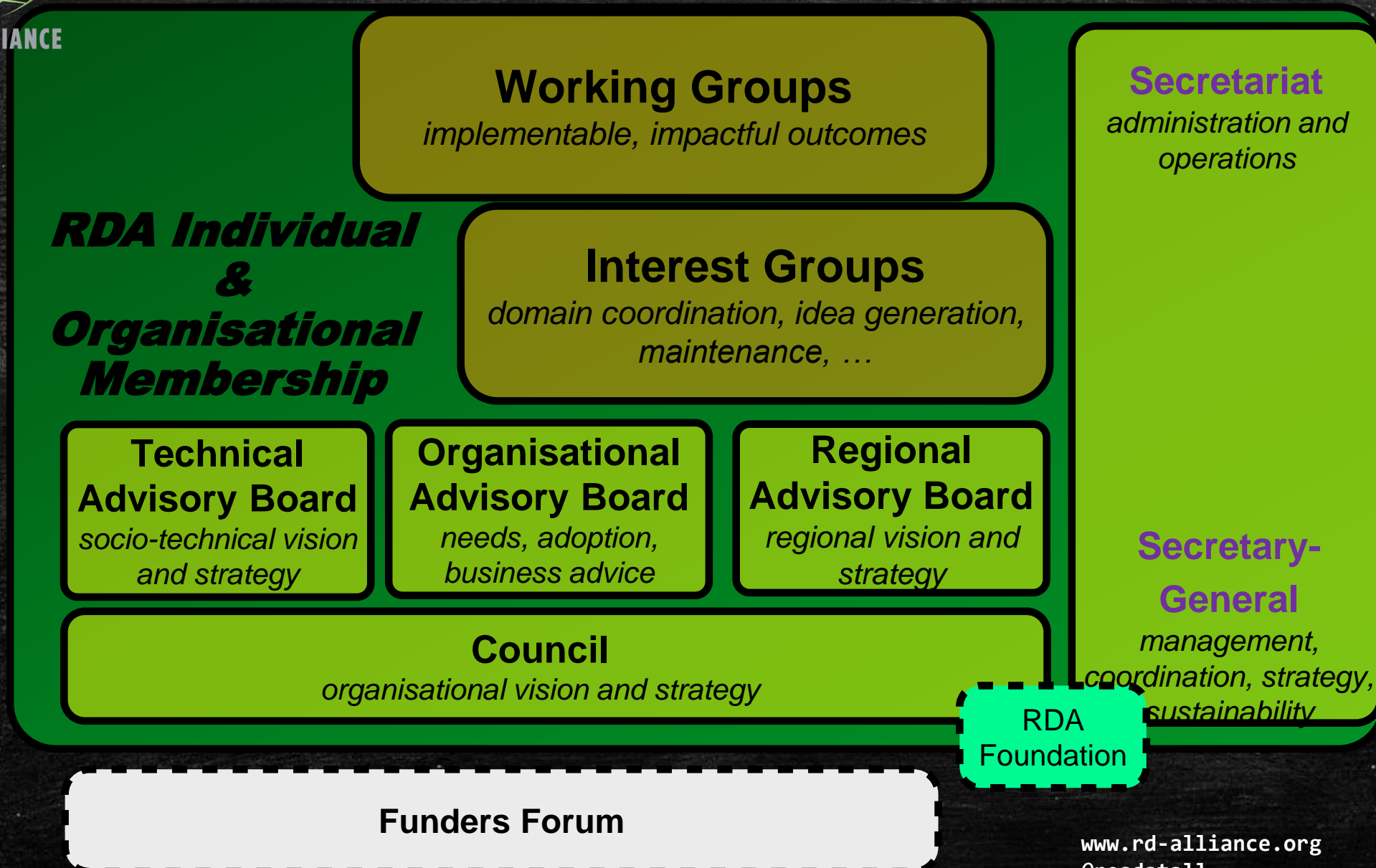
Founding Regions (2012)





RDA Governance

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RDA across Europe

- European co-ordination & broad awareness raising
- National <-> Global Connection
- Bi-lateral co-operation

The RDA Europe National Node Network





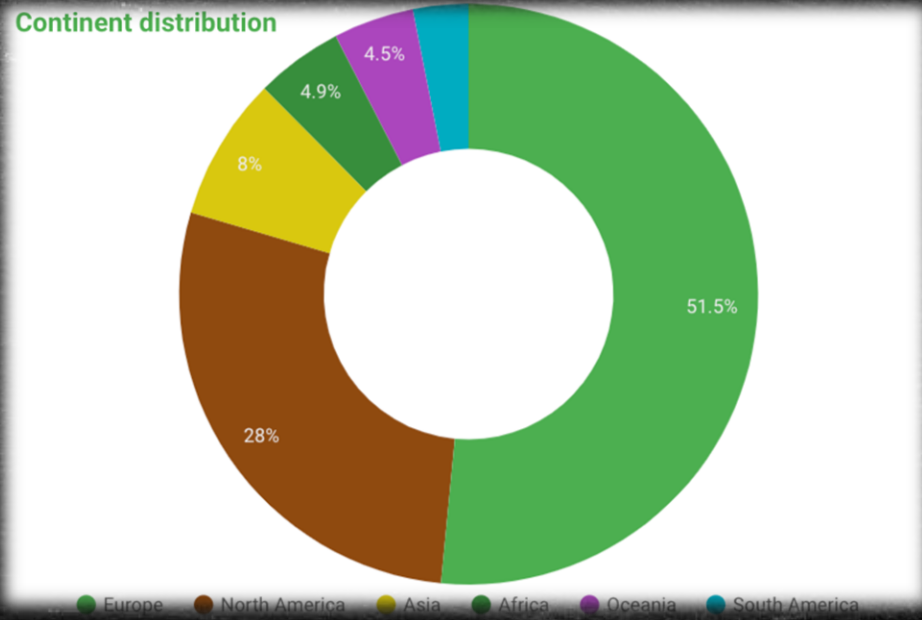
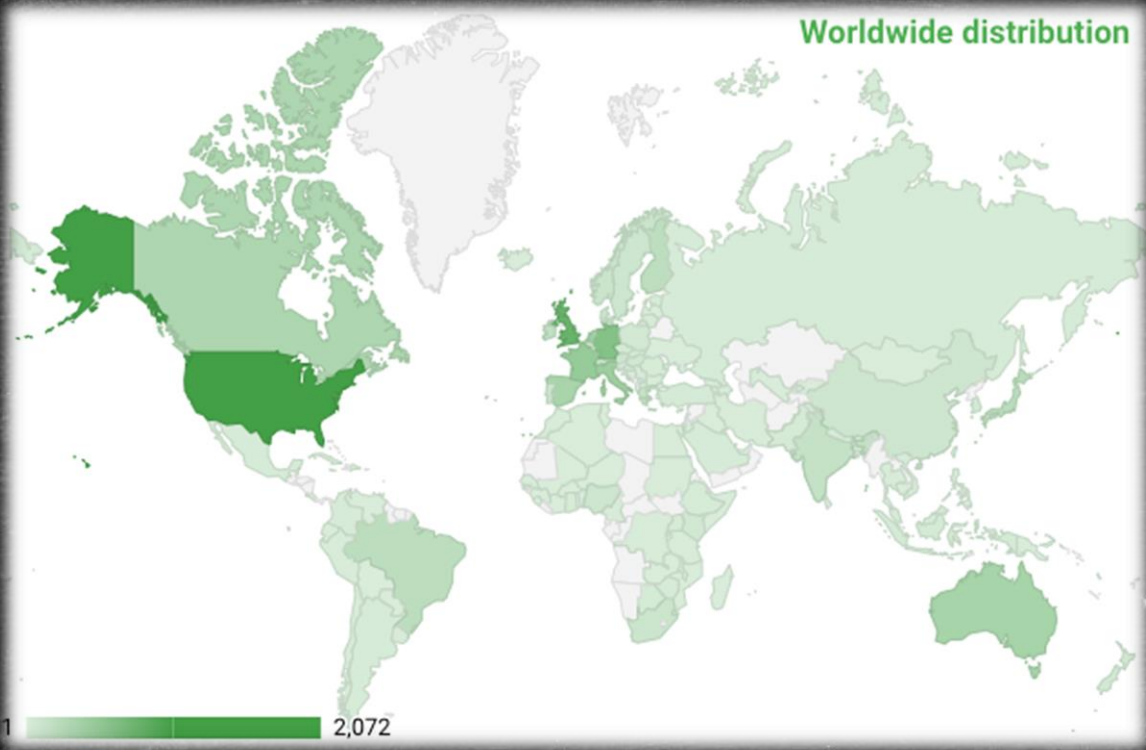
Who is the Research Data Alliance?

What type of data professionals make up the RDA community and where do they come from?

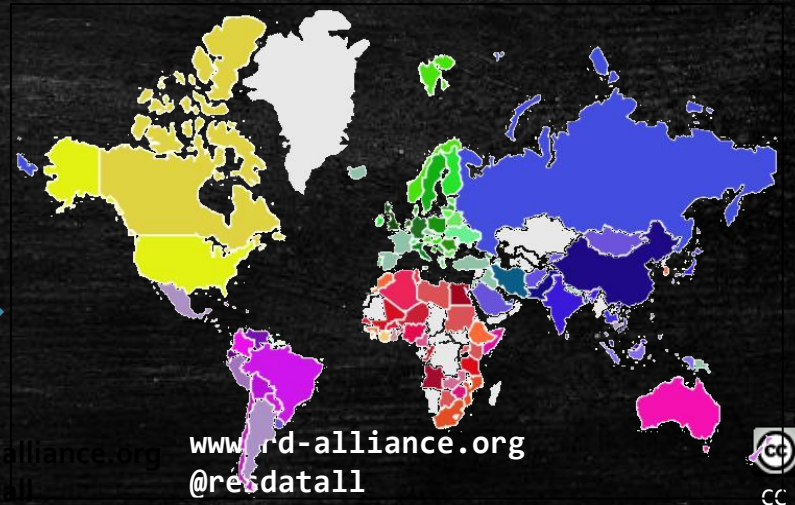


RESEARCH DATA ALLIANCE

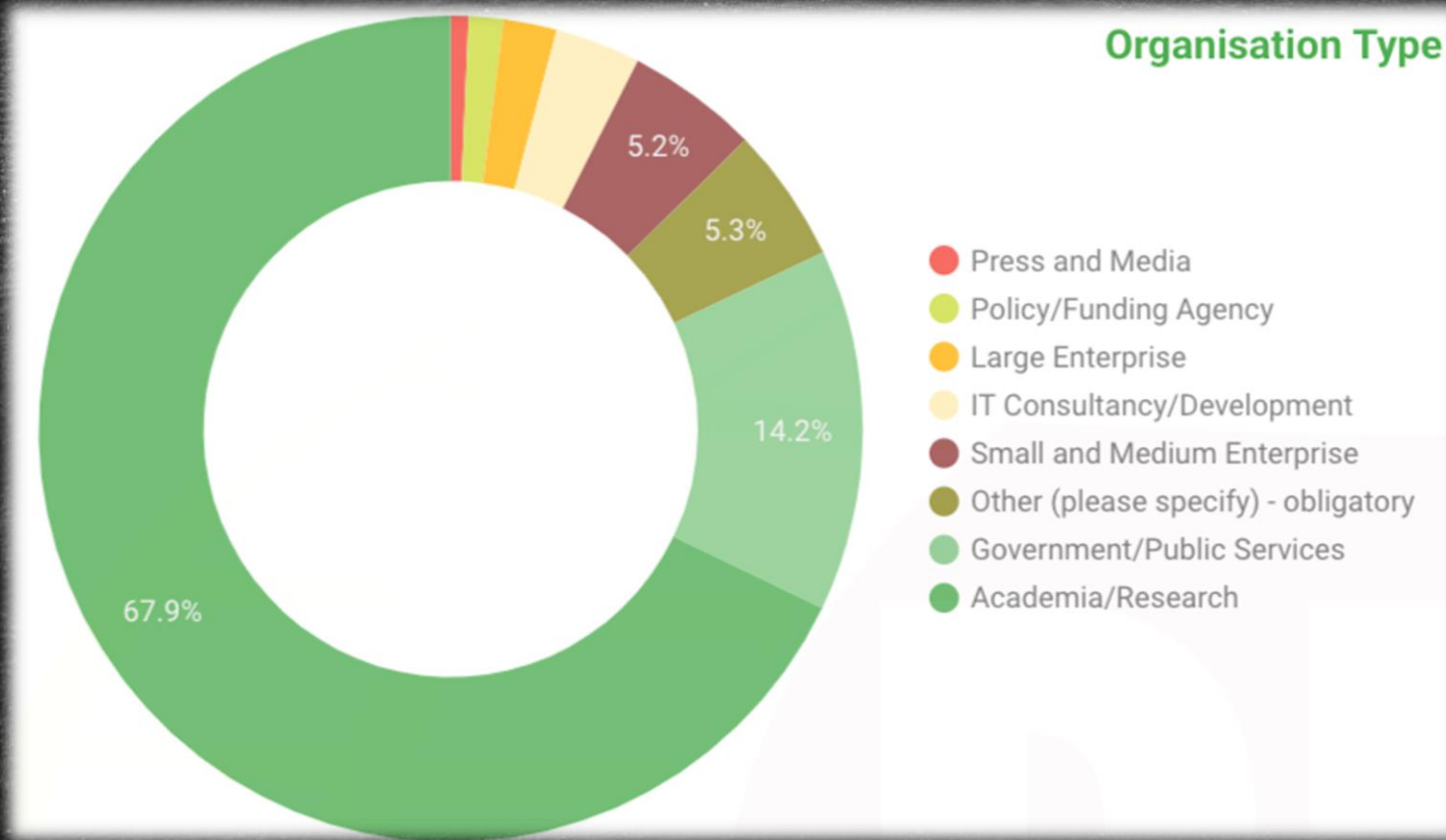
RDA across the globe



8,956+ RDA members from 137 different countries

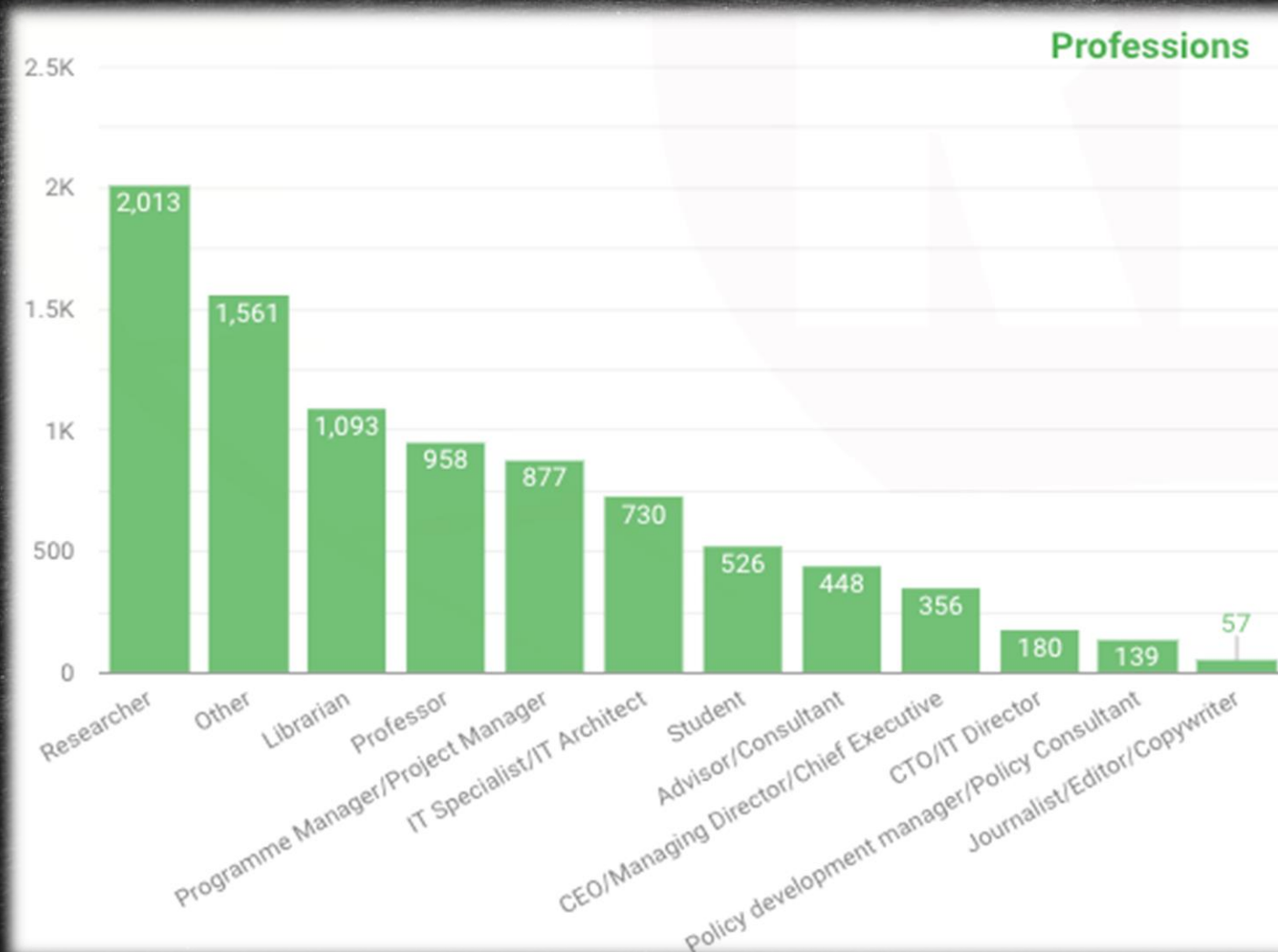


RDA Organisational Type



68% Academia / Research
14% Gov / Public Admin

RDA Individual Member Professions



23% Researchers
12% Librarians

The Heart of RDA ... The Community Members

8,900 members
from 137
countries

Drivers

Contributors

Observers / Users




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Become a community member in quick, easy steps

1. Click "Registration"
2. Complete Form
3. Adhere to RDA Guiding principles
4. Submit
5. Approval (by RDA Secretariat) within 2 working days

Building the social and technical bridges to enable open sharing and re-use of data

RDA EU RDA US CONTACT US LOGIN **REGISTRATION**

 **O&A Members** **58** **MEMBERSHIP** **Members: 8722** **RDA Groups** **WG & IGs: 102**

Active Organisational & Affiliate members

Becoming a member of RDA is simple and open to both individuals and organizations

Discover what RDA Working and Interest Groups and all other Groups are up to and find out how to join them. [Explore Groups](#)

[Register now](#)

ABOUT RDA ▾ GET INVOLVED ▾ GROUPS ▾ RECOMMENDATIONS & OUTPUTS ▾ RDA FOR DISCIPLINES ▾ PLENARIES & EVENTS ▾ NEWS & MEDIA ▾

Create new account Log in Request new password

Register

[Home](#)

Joining RDA as an Individual Member is free, simple and easy. All you need to do is fill in the form below and subscribe to the alliance's Guiding Principles. User registration is moderated, therefore your request will be approved by RDA Secretariat and your account activated within 1 business day.





If there is an **RDA community set up in your country** (see **RDA National Groups** for more information), once your account is active you will be subscribed to receive information and news from that group. If you wish to unsubscribe, you can easily do that by editing the settings in your profile.

Profile

Username *

Spaces are allowed; punctuation is not allowed except for periods, hyphens, apostrophes, and underscores.

Next Event

Meet the Experts
Lecture series

31 July 2019
National Library of Ireland

Dr. Ingrid Dillo
FAIR Data in the Social Sciences and Humanities: from FAIRytale to FAIR enough

RDA Ireland Meet The Expert: Dr. Ingrid Dillo - FAIR data in the Social Sciences and Humanities: from FAIRytale to FAIR enough

The heart of RDA ... 88 groups

Working Groups

- develop and implement tools, policy, practices & products for data management that are adopted and used by projects, organisations, communities
- TIMING: 12-18 MONTHS
- TOTAL: 32 Working Groups

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.
- TIMING: as long as group is active
- TOTAL: 56 Interest Groups

OUTPUT: Possibly case statements for new WGs, guidelines, best practices, etc.

Which groups are for you?

FIND YOUR GROUP
by topic or discipline

Search now!

RDA for you - search your groups

[Home](#) » [Groups](#) » [Creating and Managing RDA Groups](#) » [RDA for you - search your groups and outputs](#)

The Research Data Alliance accomplishes its mission primarily through **Working Groups and Interest Groups**.

In order to allow new members to understand what technical and social infrastructure solutions RDA groups are developing, and which scientific disciplines may benefit of RDA Group outcomes, this filter has been created to allow you identify which RDA group(s) might be more useful for your research.

Groups can be selected according to their **focus** [1], that is: what problem they try to solve, and/or according to the **scientific domains** [2] in which their communities operate.

Select the desired fields from the boxes on the right and identify RDA groups for your: then you only need to join them!

Find your RDA Group

Main Focus

Select All

- ☐ Data Management
- ☐ Data Collection
- ☐ Data Description
- ☐ Identity, Store, and Preserve
- ☐ Disseminate, Link, and Find
- ☐ Policy, Legal Compliance, and Capacity
- ☐ Not applicable

Domain/Field of Expertise

- ☐ Domain Agnostic
- ☐ Social Sciences
- ☐ Natural Sciences
- ☐ Engineering and Technology
- ☐ Medical and Health Sciences
- ☐ Agricultural Sciences
- ☐ Humanities

[1] Some other teams have undertaken similar activities, such as the view available at https://suave-dev.sdsc.edu/main/file=zaslavsk_RDA_Groups_June_2018.csv&views=1110001&view=bucket

[2] "Fields of R&D classification" as indicated in the Frascati Manual 2015: Guidelines for Collecting and Reporting Data on Research and Experimental Development, Published by the OECD



Active Data Management Plans IG

Archives and Records Professionals for

RDA Recommendations & Outputs

RECOMMENDATIONS

Equivalent of the “specifications” or “standards” that other organisations create and endorse.

19
Recommendations
of which 8 ICT
Technical
Specifications

SUPPORTING OUTPUTS

Outputs of RDA WGs and IGs that are fruit of RDA work, but are not necessarily adoptable bridges.

13 Supporting
Outputs

OTHER OUTPUTS

Anything a WG or IG wants to register and report, e.g. workshop reports, articles, survey results, etc.

Data standards for Agriculture: INRA adoption of RDA Outputs



1. Wheat Data Interoperability Guidelines
2. Agrisemantics WG recommendations
3. Data Fabric
4. "23 Things: Libraries for Research Data"
5. FAIRsharing Registry
6. Dynamic Data Citation

<https://www.rd-alliance.org/data-standards-agriculture-inra-adoption-rda-outputs>

23 Things for Research Data: adoption Case

23 Research Data things programme created by ANDS with over 1,500 participants. Repurposed:

- 23 **Research Data** Things: developed by ANDS, Nectar, RDS
- 10 **Health and Medical** Things: developed by ANDS, Nectar, RDS
- 10 **Marine Science** (rd) Things: developed by Edith Cowan University
- 10 **Astronomy** Things: developed by ADACS for the astronomy community
- 10 **Eco Data** Things: developed as part of the EcoCloud project.
- 10 **FAIR Data and Software** Things: ARDC driven global sprint (2018)
- 10 **HASS** (Humanities, Arts and Social Sciences) Data Things

<http://www.ands.org.au/working-with-data/skills/23-research-data-things>



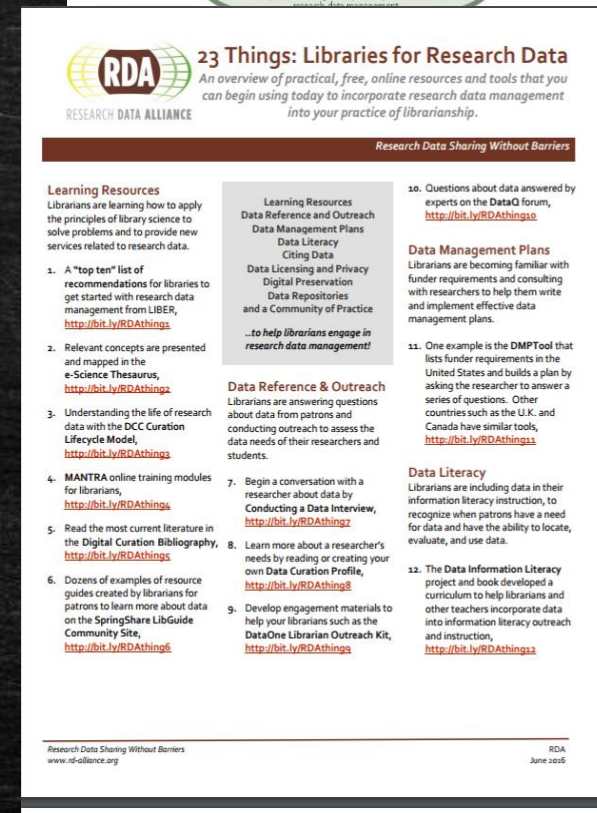
23 [research data] **things**
Australia

Do as many or as much as you want; do them in any order; do them by yourself, or form a group to learn together.
There are many activities to choose from — whether you are new to data; need to extend your knowledge, or want a challenge!

Extend your knowledge and skills about research data by exploring activities, links and much more at ands.org.au/23-things

1 Getting started with research data
2 Issues in research data management

Ready, set, data!
Build your knowledge of key concepts and issues in research data management



RDA **23 Things: Libraries for Research Data**
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An overview of practical, free, online resources and tools that you can begin using today to incorporate research data management into your practice of librarianship.

Research Data Sharing Without Barriers

Learning Resources
Librarians are learning how to apply the principles of library science to solve problems and to provide new services related to research data.

1. A "top ten" list of recommendations for libraries to get started with research data management from LIBER, <http://bit.ly/RDATHings1>
2. Relevant concepts are presented and mapped in the e-Science Thesaurus, <http://bit.ly/RDATHings2>
3. Understanding the life of research data with the DCC Curation Lifecycle Model, <http://bit.ly/RDATHings3>
4. MANTRA online training modules for librarians, <http://bit.ly/RDATHings4>
5. Read the most current literature in the Digital Curation Bibliography, <http://bit.ly/RDATHings5>
6. Dozens of examples of resource guides created by librarians for patrons to learn more about data on the SpringShare LibGuide Community Site, <http://bit.ly/RDATHings6>

Learning Resources
Data Reference and Outreach
Data Management Plans
Data Literacy
Citing Data
Data Licensing and Privacy
Digital Preservation
Data Repositories
and a Community of Practice
...to help librarians engage in research data management!

Data Reference & Outreach
Librarians are answering questions about data from patrons and conducting outreach to assess the data needs of their researchers and students.

7. Begin a conversation with a researcher about data by [Conducting a Data Interview](http://bit.ly/RDATHings7), <http://bit.ly/RDATHings7>
8. Learn more about a researcher's needs by reading or creating your own [Data Curation Profile](http://bit.ly/RDATHings8), <http://bit.ly/RDATHings8>
9. Develop engagement materials to help your librarians such as the [DataOne Librarian Outreach Kit](http://bit.ly/RDATHings9), <http://bit.ly/RDATHings9>

10. Questions about data answered by experts on the DataQ forum, <http://bit.ly/RDATHings10>

Data Management Plans
Librarians are becoming familiar with funder requirements and consulting with researchers to help them write and implement effective data management plans.

11. One example is the DMPTool that lists funder requirements in the United States and builds a plan by asking the researcher to answer a series of questions. Other countries such as the U.K. and Canada have similar tools, <http://bit.ly/RDATHings11>

Data Literacy
Librarians are including data in their information literacy instruction, to recognize when patrons have a need for data and have the ability to locate, evaluate, and use data.

12. The Data Information Literacy project and book developed a curriculum to help librarians and other teachers incorporate data into information literacy outreach and instruction, <http://bit.ly/RDATHings12>

Research Data Sharing Without Barriers
www.rd-alliance.org

RDA
June 2016



1 Data discovery
2 Data sharing
3 Long-lived data: curation & preservation
4 Licensing data for reuse
5 Sharing sensitive data
6 Data management plans
7 What are publishers & funders saying about data?
8 Data literacy & outreach
9 Data interviews: talk the talk
10 What's in a name?
11 Making connections

ands

CoreTrustSeal: adoption cases



- Collaboration between DSA and WDS under the umbrella of RDA
- Certification based on a Catalogue of 16 Core requirements for trustworthy data repositories
- Implemented in 68 repositories worldwide to date

Data repository certification based on the [DSA-WDS Core Trustworthy Data Repositories Requirements](#) Catalogue and procedures

<https://www.rd-alliance.org/rda-coretrustseal-adoption-story-across-domains-and-regions>

Income streams for data repositories



- Report that landed on the desks of Science Ministries of all OECD member states, informing policy makers about the issues at stake and presenting suggestions for improvements;
- Report that offers valuable suggestions and tools for repository managers, that can e.g. be useful in discussions with funders.
- *“RDA provides unique access to expertise”*

<https://www.rd-alliance.org/towards-sustainable-research-data-repositories>

RDA Plenary Meetings

What are RDA 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

14th RDA Plenary Meeting, Helsinki, Finland, 23 – 25 October 2019



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**M
DATA
K
THE DIFFERENCE
S**

 **RDA 14th Plenary**

**Helsinki | Espoo
Finland
23-25 October 2019**

60+ group sessions

15+ co-located
events



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15th Plenary Meeting 18-20 March 2020 Melbourne, Australia



<https://www.rd-alliance.org/plenaries/rda-15th-plenary-meeting-australia>



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Collaborate, Co-operate, Co-create

If you want to go fast, go alone

If you want to go far, go together

African Proverb

THANK YOU VERY MUCH

The Research Data
Alliance: a (data)
window to the
world

RDA

Email - enquiries@rd-alliance.org

Web - www.rd-alliance.org

Twitter - @resdata11

LinkedIn -

www.linkedin.com/in/ResearchDataAlliance

Slideshare -

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