



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

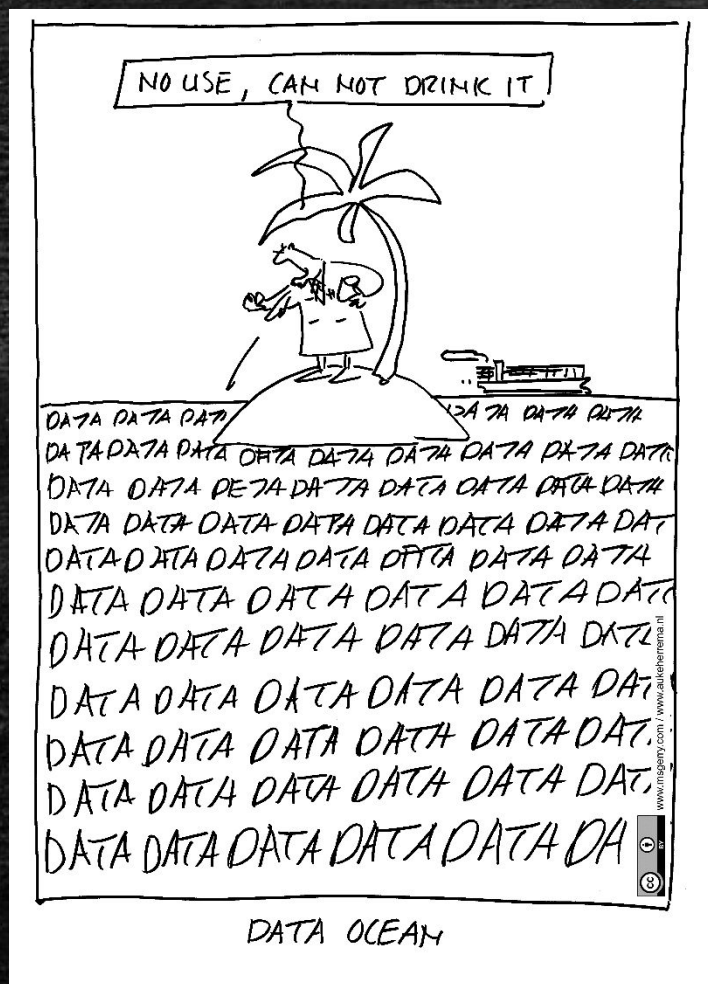
RDA France 2019, Paris, 13th September 2019
Hilary Hanahoe, Secretary General, Research Data Alliance
hilary.hanahoe@rda-foundation.org | @hilaryhanahoe | @resdatall

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

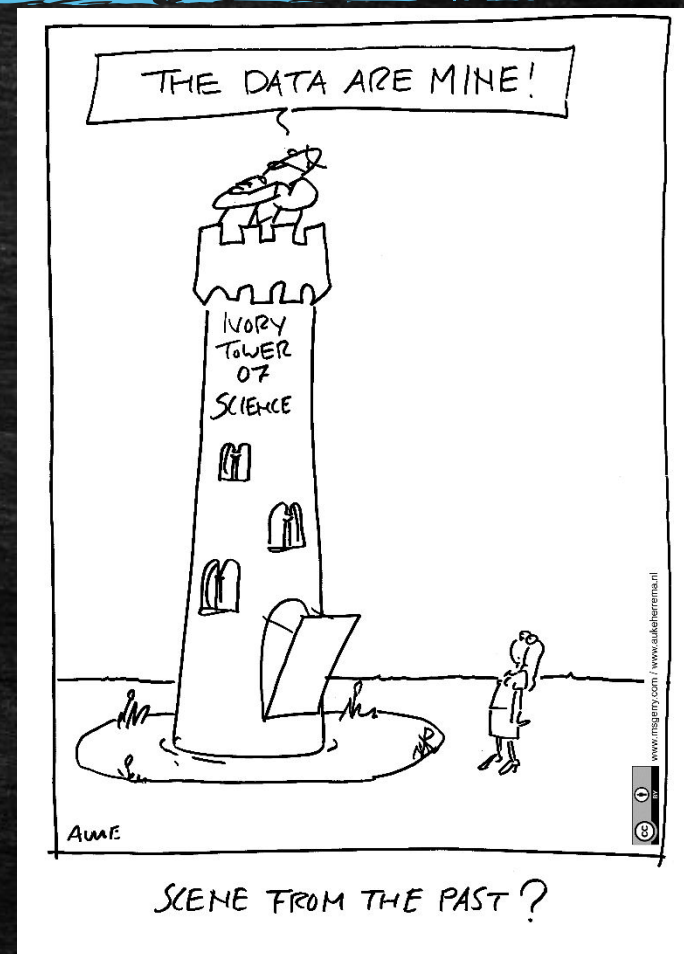


The RDA Mission

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





RESEARCH DATA ALLIANCE

By the Community ...
For the community



**Multi, cross- and
inter-disciplinary**

**Grass roots (bottom-up)
approach**

**International, neutral,
social platform**



Truly Global ... Truly
community driven



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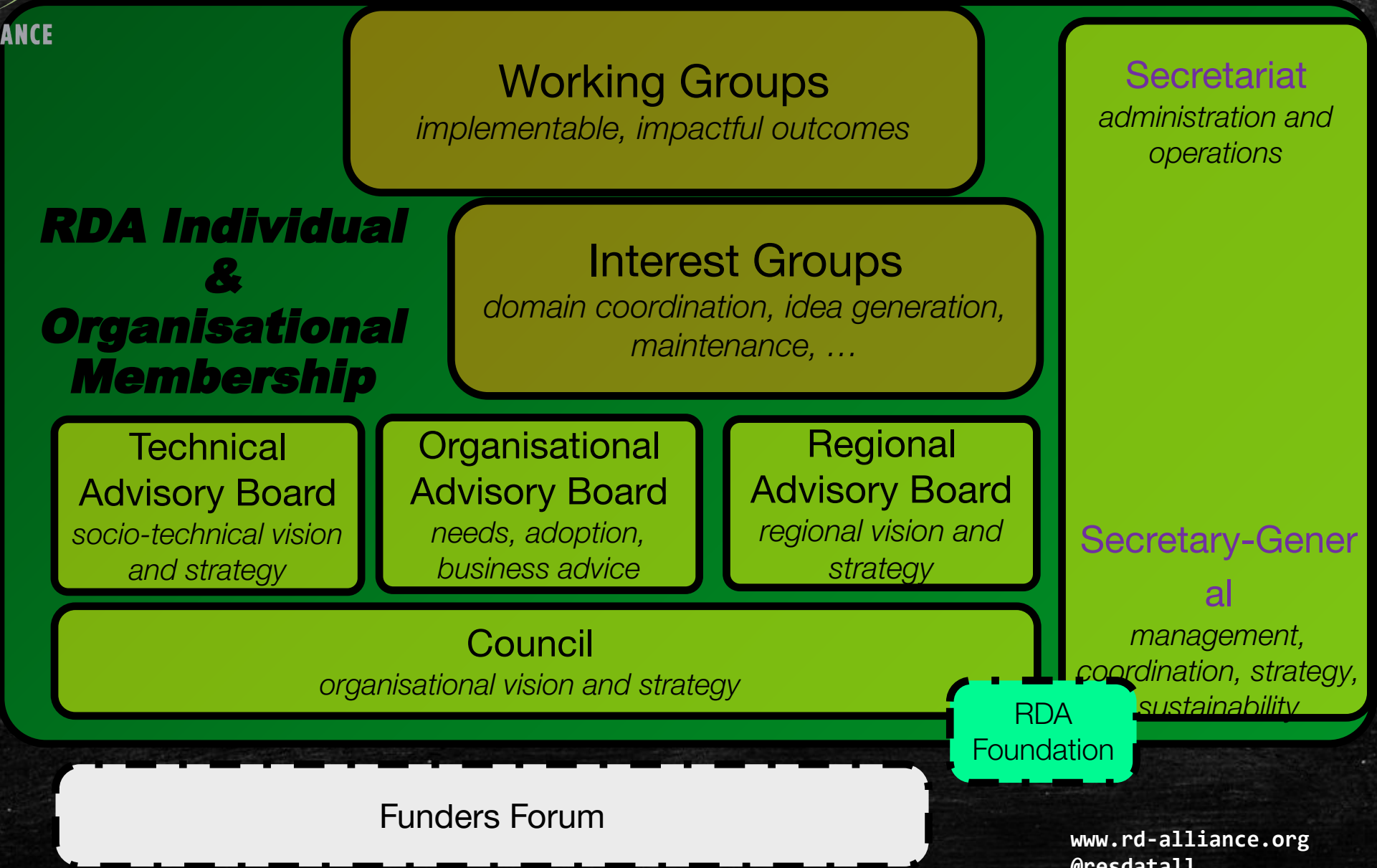
Founding Regions (2012)





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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



www.rd-alliance.org
@resdatall



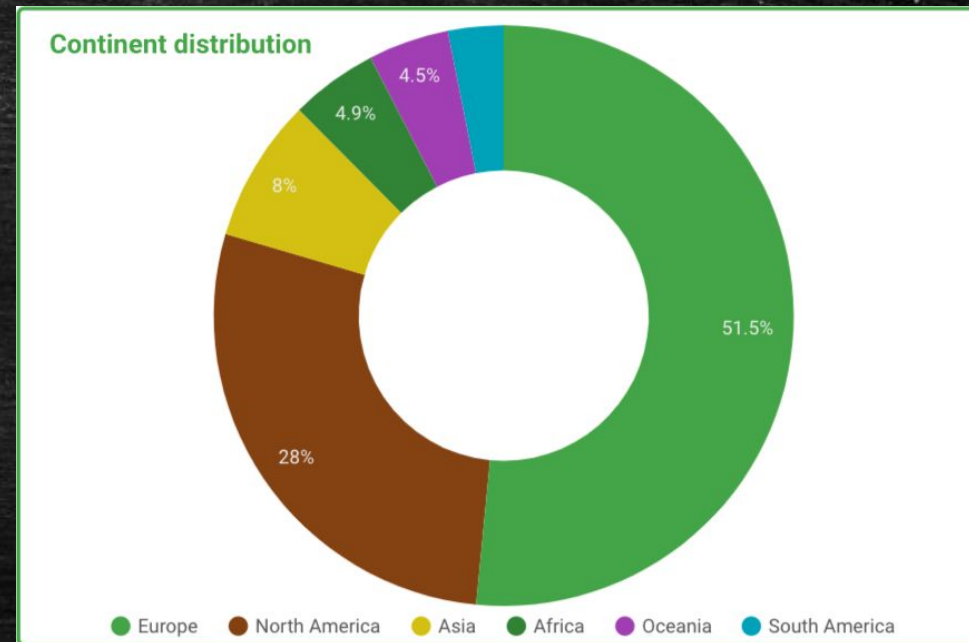
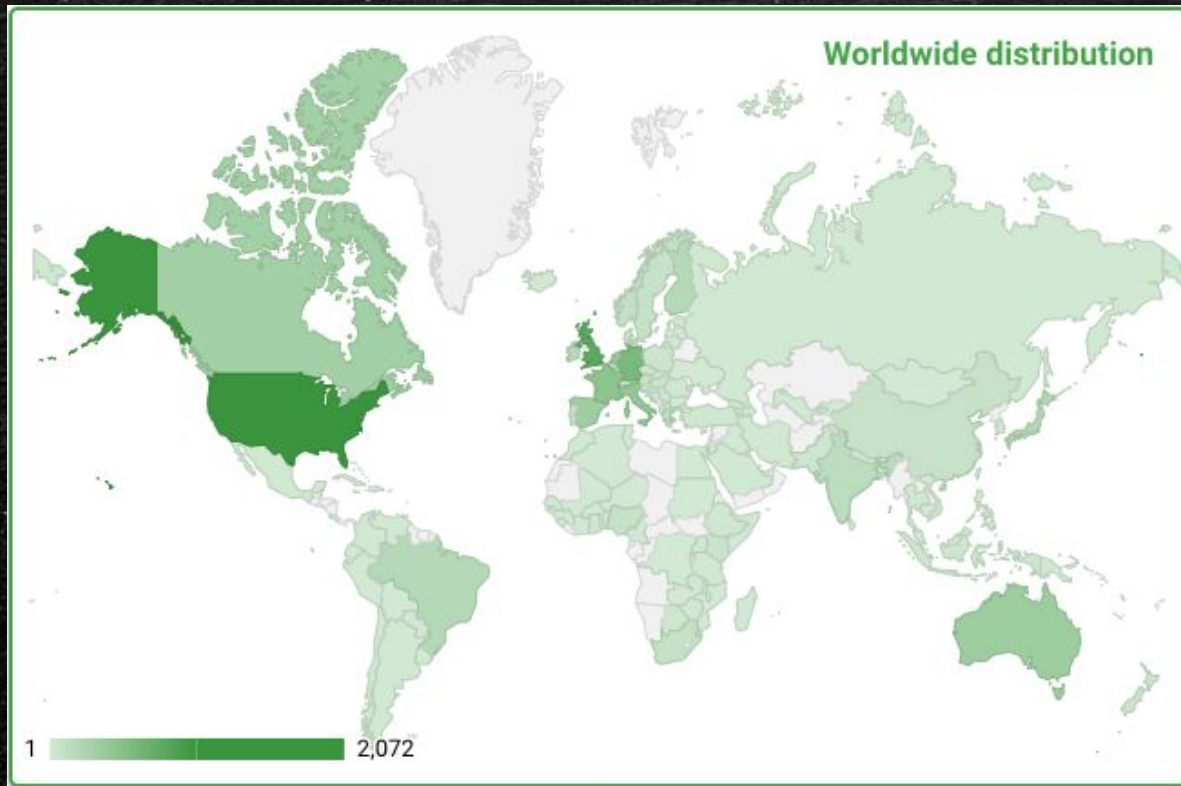
CC BY-SA 4.0



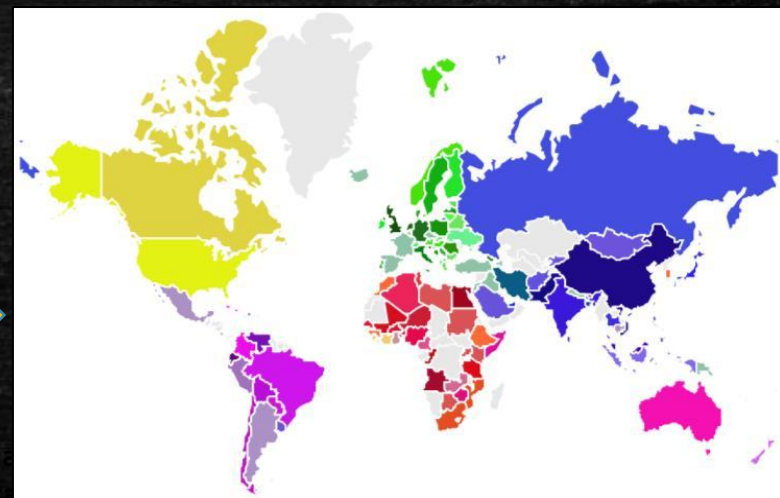
RESEARCH DATA ALLIANCE

Who is the Research Data Alliance?

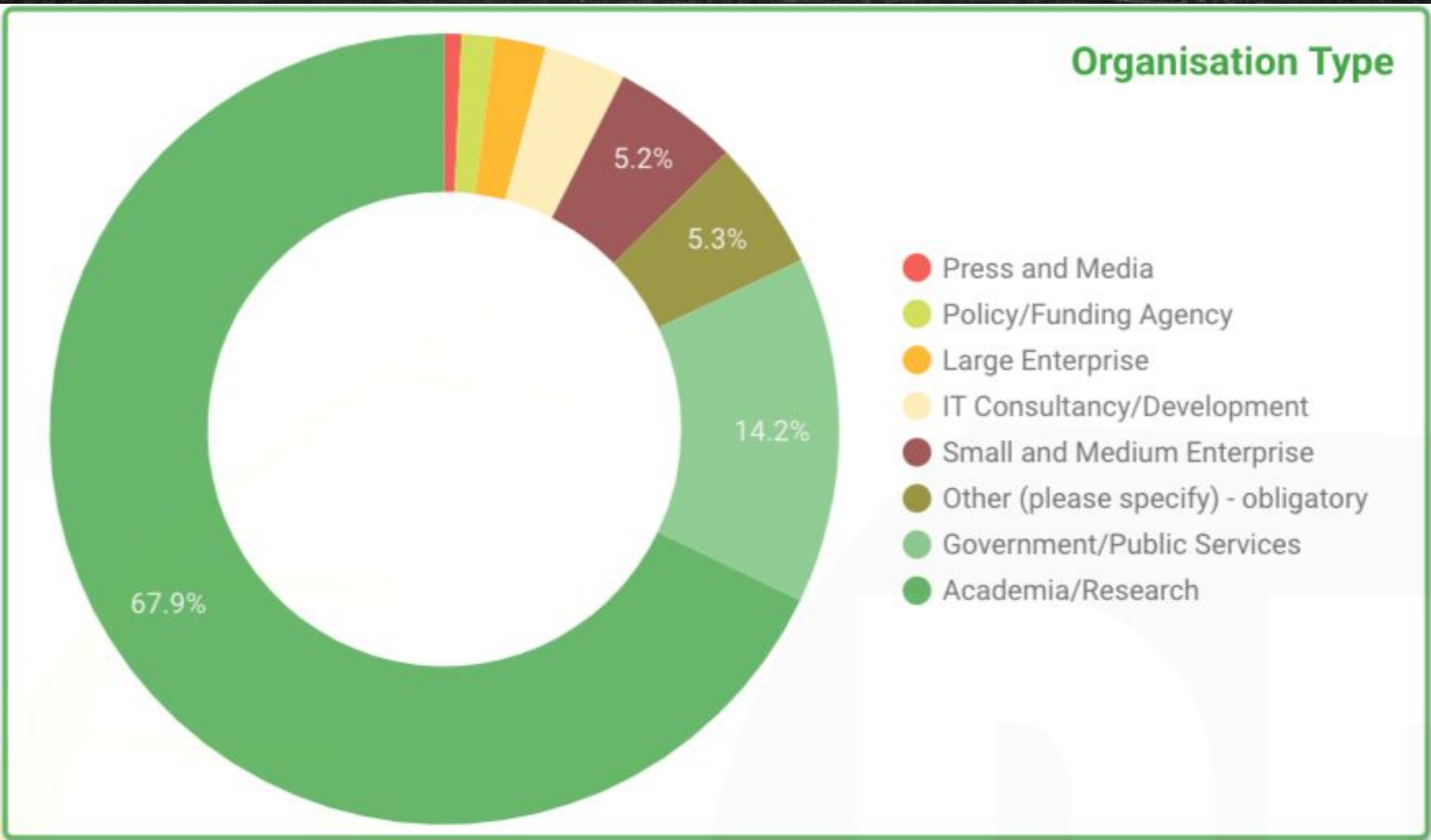
RDA across the globe



8,900+ RDA members from 137 different countries (France = 469)

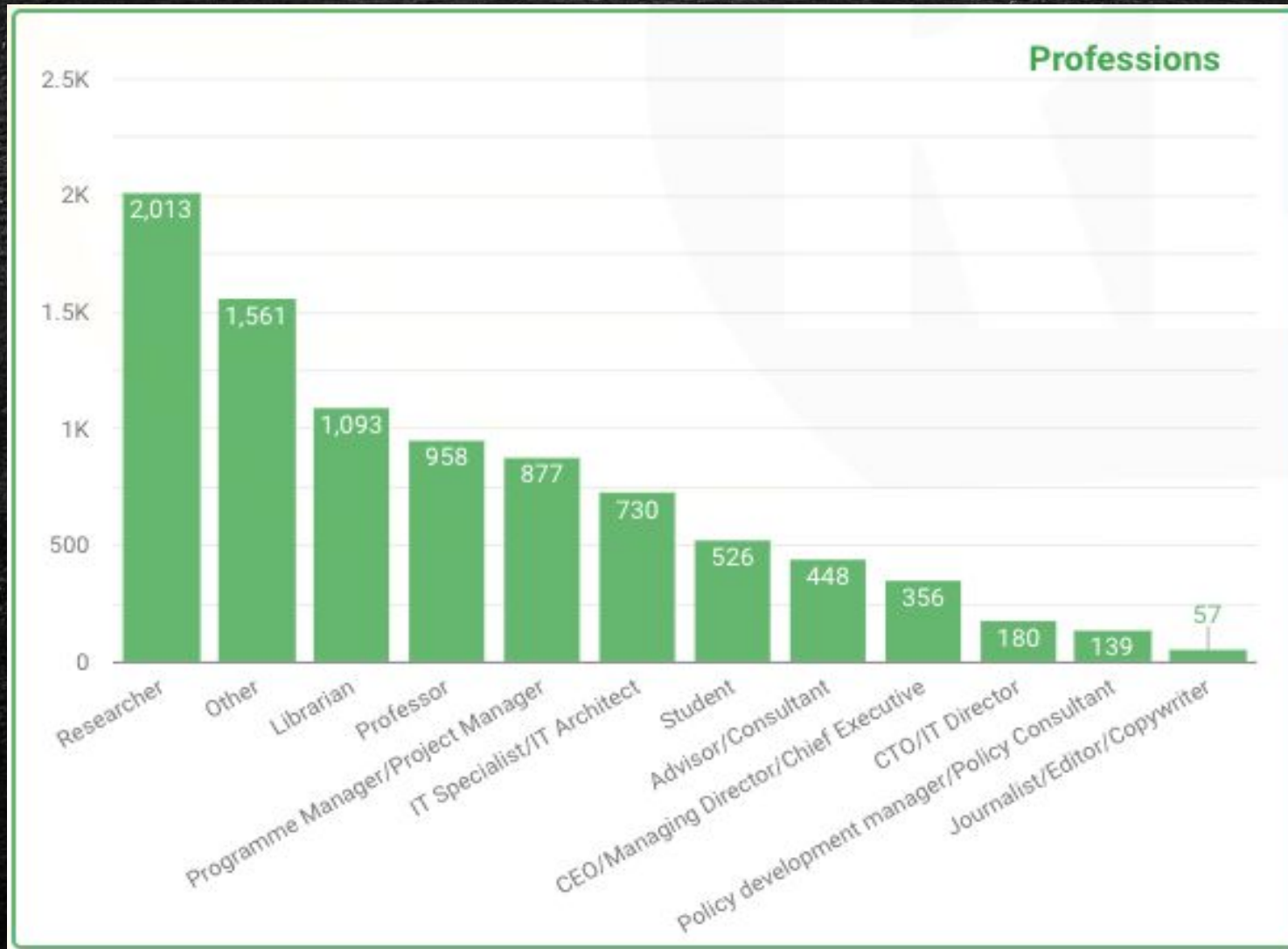


RDA Organisational Type



68% Academia / Research
14% Gov / Public Admin

RDA Individual Member Professions



23% Researchers
12% Librarians

The Social Heart of RDA ... The Community Members

8,900 members
from 137
countries

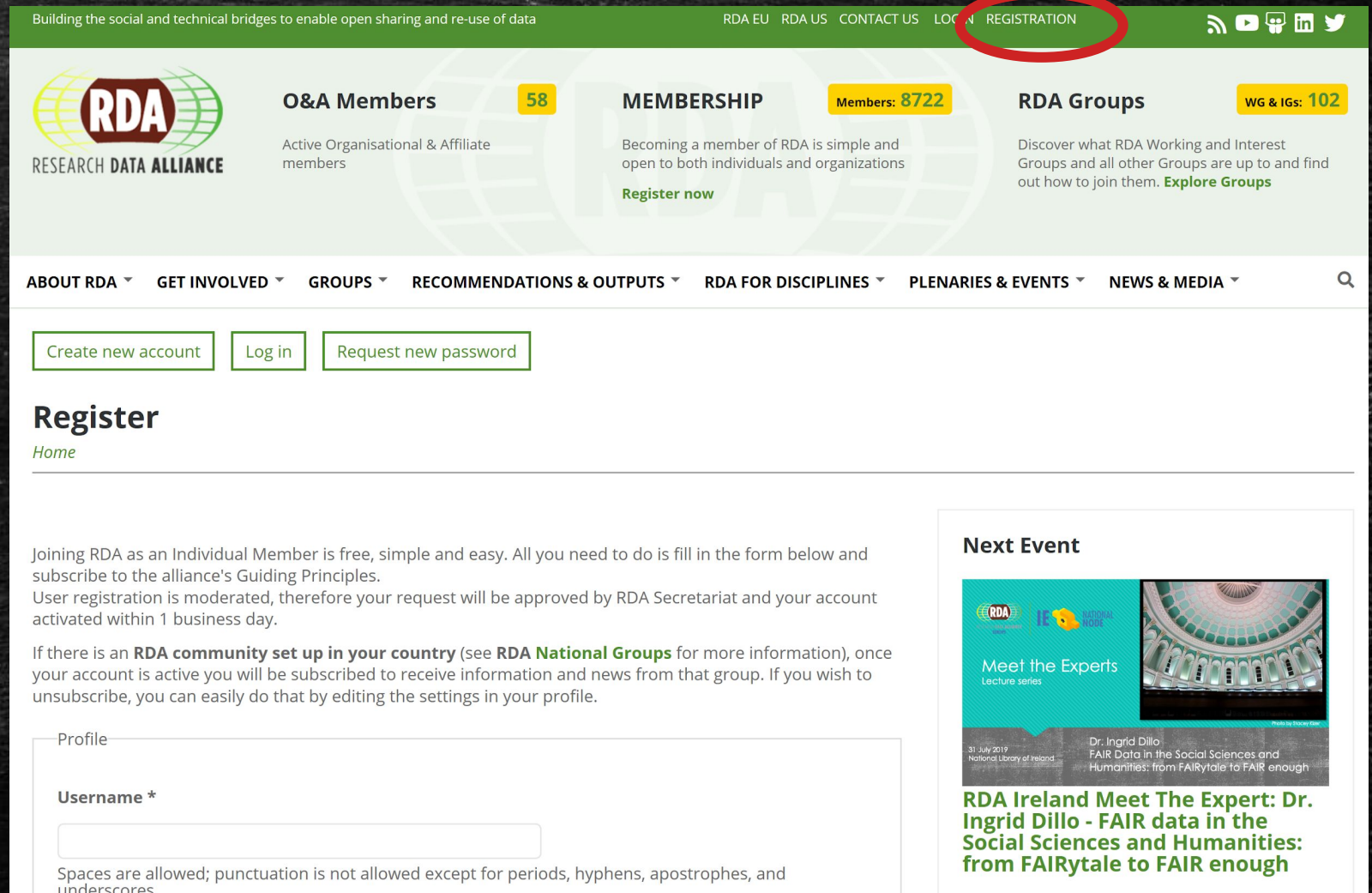
Drivers

Contributors

Observers / Users


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



What do Research Data Alliance members do?

The technical heart of RDA ... 87 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: 55 Interest Groups

OUTPUT: Possibly case statements for new WGs, guidelines, best practice, 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

<https://www.rd-alliance.org/rda-for-you>

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>



1. Data Foundation and Terminology
2. PID Information Types
3. Data Fabric
4. Data Type Registries
5. Dynamic Data Citation

<https://www.rd-alliance.org/dkrz-adopts-6-rda-outputs-climate-data-modelling>

CoreTrustSeal: adoption cases



Implemented in 61 repositories worldwide to date

- Australian Data Archive (ADA) - 2018
- CSIRO Data Access Portal (DAP) – 2018
- Australian Antarctic Data Centre - 2018

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

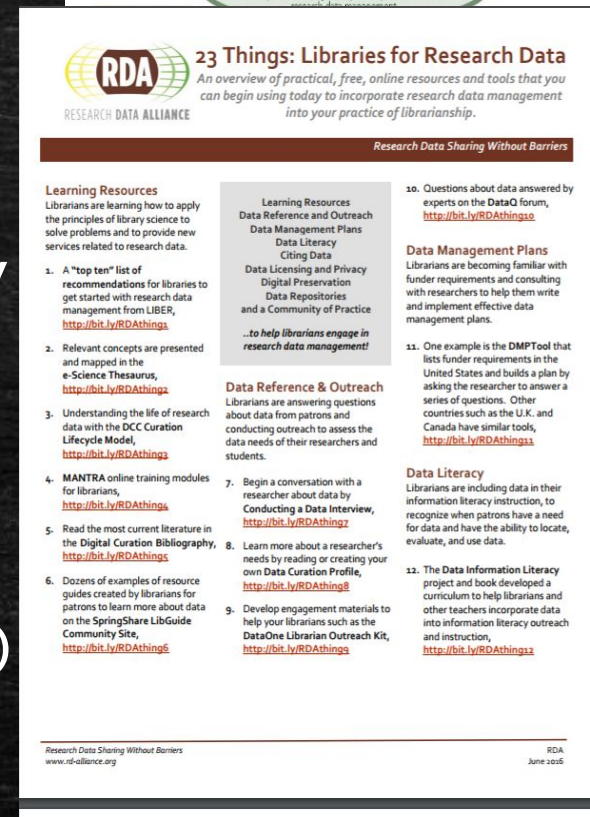
<https://www.rd-alliance.org/rda-coretrustseal-adoption-story-across-domains-and-regions>



23 Things for Research Data: adoption case

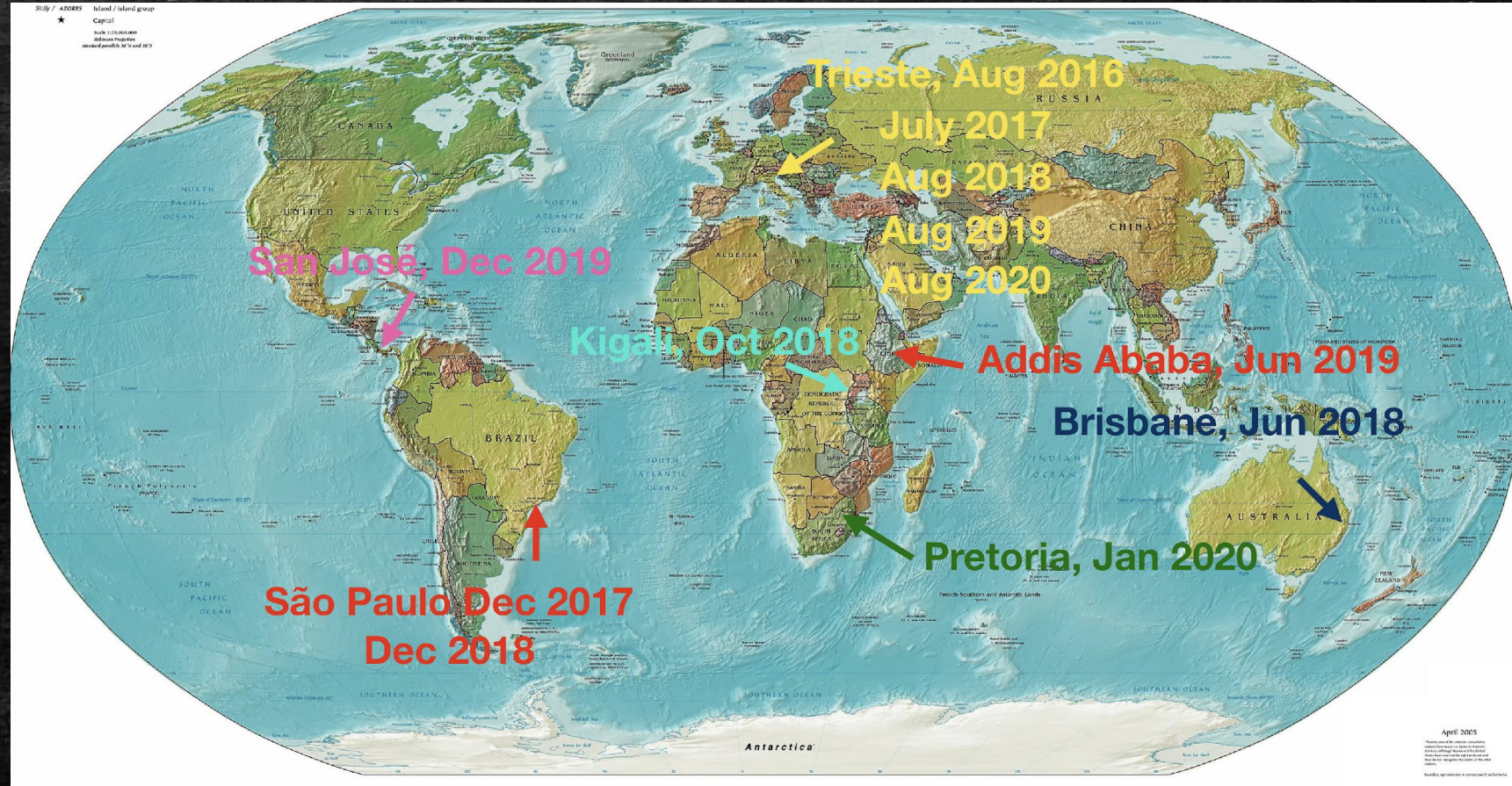
23 Research Data things programme created by ANDS with over 1,500 participants. Repurposed:

- 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



RDA/CODATA Data Schools

- Research Data Scientist Curricula
- Data Steward Curricula (under development)
- €350.000 voluntary teaching
- 400+ students from over 40 countries



What is the impact?

- Global data agreements
- Standards
- Institutional change
- Discipline specific solutions
- Cross | multi | inter disciplinary solutions
- Education and Training
- Policy



RDA Plenary Meetings

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

Over 60 Working,
Interest & Birds of
Feather (BoF)
sessions

15+ co-located
events




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**M
DATA
K
S**

**THE DIFFERENCE
S**

 **RDA 14th Plenary**

Helsinki | Espoo
Finland
23-25 October 2019



RESEARCH DATA ALLIANCE

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



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

The cost of not having RDA?

- International open forum
- Global agreements
- Communications
- Multi-disciplinary outcomes
- Global community
- Bridges to solve societal challenges





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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



Special thanks



*The Research Data Alliance (RDA) is truly grateful for the support of the French Ministry for Higher Education, Research and Innovation - **Ministère de l'Enseignement supérieur, de la Recherche et de l'Innovation** And the French National Scientific Research Centre - **Centre national de la recherche scientifique***



RESEARCH DATA ALLIANCE

THANK YOU VERY MUCH

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

*RDA France 2019,
Paris, 13th
September 2019*

RDA

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

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RDA Further Information Resources e-Communication Package

- RDA Recommendations and Outputs
- RDA in a Nutshell Slide set
- RDA in one word Video
- RDA Value statements for:
 - Individuals
 - Organisations performing Research
 - Student/Early Careers
 - Funders
 - Libraries
 - The European Open Science Cloud
 - Regions

<https://www.rd-alliance.org/about-us/communication-kit/e-communication-package>