



# The Research Data Alliance (RDA): building global data connections

---

*HILARY HANAHOE*

*SECRETARY GENERAL*

*RESEARCH DATA ALLIANCE*

*HILARY.HANAHOE@GMAIL.COM*



The Research Data Alliance  
vision is researchers and  
innovators openly sharing data  
across technologies, disciplines,  
and countries to address the  
grand challenges of society



... and the mission is to build  
the social and technical bridges  
that enable open sharing and  
re-use of data.



## GUIDING PRINCIPLES

### 🎯 OPENNESS

Membership is open to all interested individuals who subscribe to the RDAs Guiding Principles. RDA community meetings and processes are open, and the deliverables of RDA working Groups will be publicly disseminated.

### 🎯 CONSENSUS

The RDA moves forward by achieving consensus among its membership. RDA processes and procedures include appropriate mechanisms to resolve conflicts.

### 🎯 BALANCE

The RDA seeks to promote balanced representation of its membership and stakeholder communities.

### 🎯 HARMONIZATION

The RDA works to achieve harmonization across data standards, policies, technologies, infrastructure and communities.

### 🎯 COMMUNITY-DRIVE

The RDA is a public, community-driven body constituted of volunteer members and organizations, supported by the RDA Secretariat.

### 🎯 NON-PROFIT

RDA does not promote, endorse, or sell commercial products, technologies or services.

# 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 Working & Interest Groups

---

## Working Groups

- develop and implement data infrastructure, e.g. tools, policy, practices & products that are adopted and used by projects, organizations, and 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: 61 Interest Groups***

**OUTPUT:** Possibly case statements for new WGs, guidelines, communication

# 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

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

# RDA Outputs

## THE RDA OUTPUTS

**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.





# Identification of ICT specifications in Europe

**The European Commission has a flexible approach to standardisation when identifying new ICT technical specifications.**

## ***WHY?***

*The European Commission can identify ICT technical specifications that are not national, European, or international standards, provided they meet precise requirements. Once identified and approved, these specifications can then be referenced in European public procurement.*

***The Research Data Alliance has 8 Recommendations evaluated and acknowledged as ICT Technical Specifications & has been approved as an organisation compliant with the process to issue ICT Technical Specifications.***

# RDA Compliance with Requirements for ICT Technical Specifications

- ✓ (a) maintenance
- ✓ (b) availability
- ✓ (c) intellectual property rights
- ✓ (d) relevance
- ✓ (e) neutrality and stability
- ✓ (f) quality

## MAIN TARGET MARKET:

- Service Providers
- Data Providers
- Repositories
- E- & Research Infrastructures
- SW Developers
- Data Scientists
- Researchers & Scientists

**Open information exchange & involvement of all interested categories** are at the core of RDA's vision of an open, global, collaborative science. RDA adopts a **consultative approach** involving all **relevant actors** to spur international collaborations necessary to address the global challenges.

# RDA Working Groups – Technical Specification Producers

RDA Working groups (WGs) accelerants to advance global data-driven discovery, interoperability & innovation in the long-term.

1. Case Statement open for public comment
2. Comments integrated -> *Revised case statement*
3. Work begins (12-18 month duration) & presented every 6 months
4. Outputs released for public comment (RfC)
5. Outputs revised -> integration / modification
6. Endorsed & Recognised by RDA Council
7. Openly available for implementation / adoption

Testing &  
Implementation

# RDA Technical Specifications

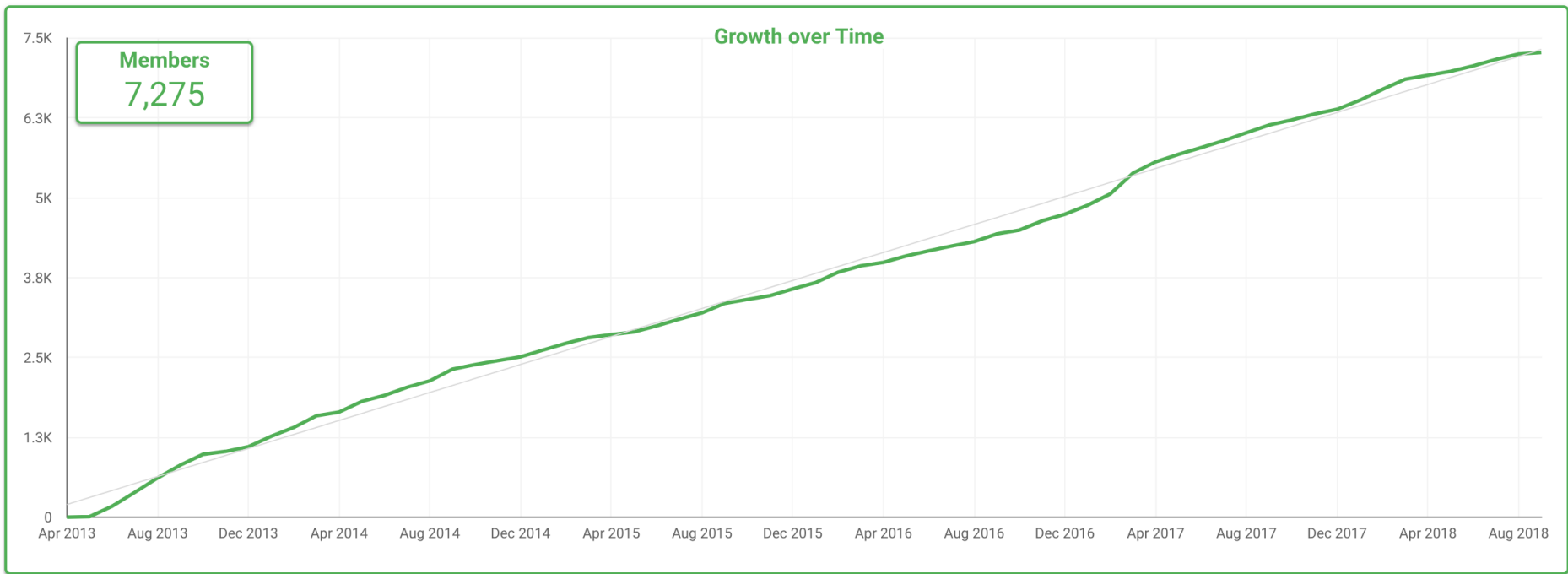
- TS1 Data Foundation & Terminology Model
- TS2 PID Information Types API- Persistent Identifier Type Registry
- TS3 Data Type Registries Model
- TS4 Practical Policies recommendations
- TS5 Dynamic-data Citation Methodology
- TS6 Data Description Registry Interoperability Model
- TS7 RDA/WDS Repository Audit and Certification Catalogues
- TS8 RDA/WDS Publishing Data Services

Official publication at:

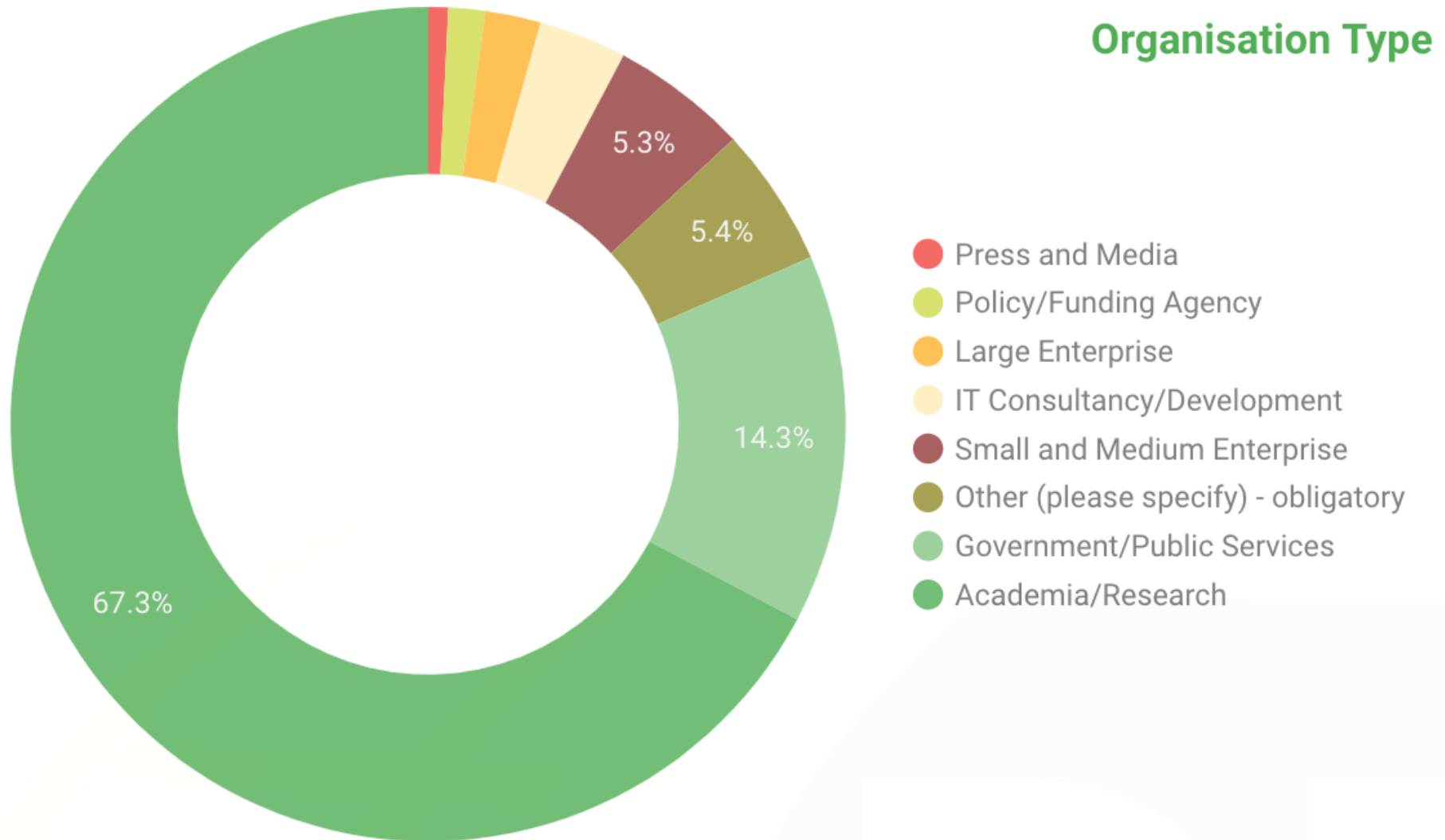
[https://ec.europa.eu/growth/industry/policy/ict-standardisation/ict-technical-specifications\\_en](https://ec.europa.eu/growth/industry/policy/ict-standardisation/ict-technical-specifications_en)



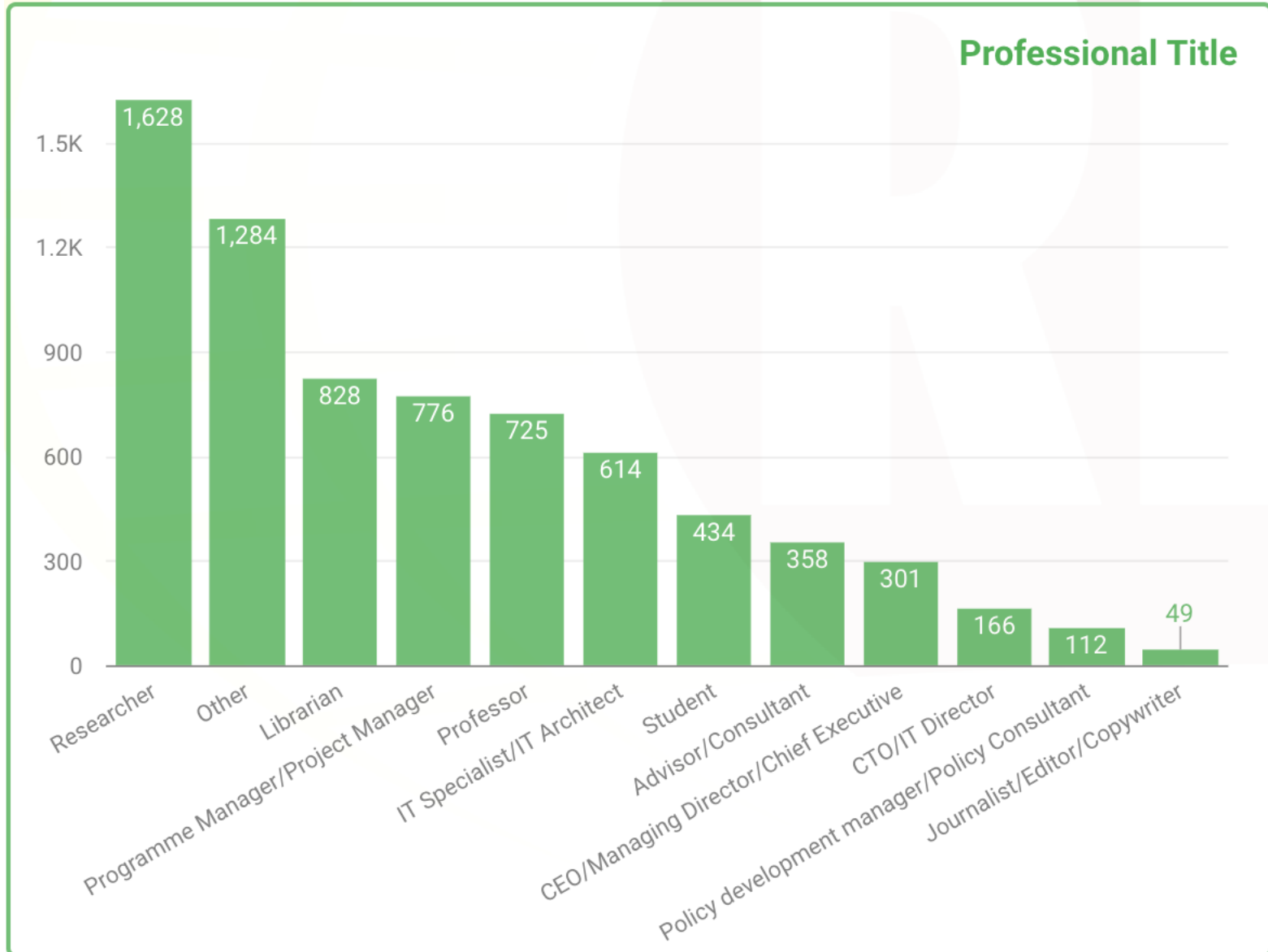
## RDA Worldwide Growth



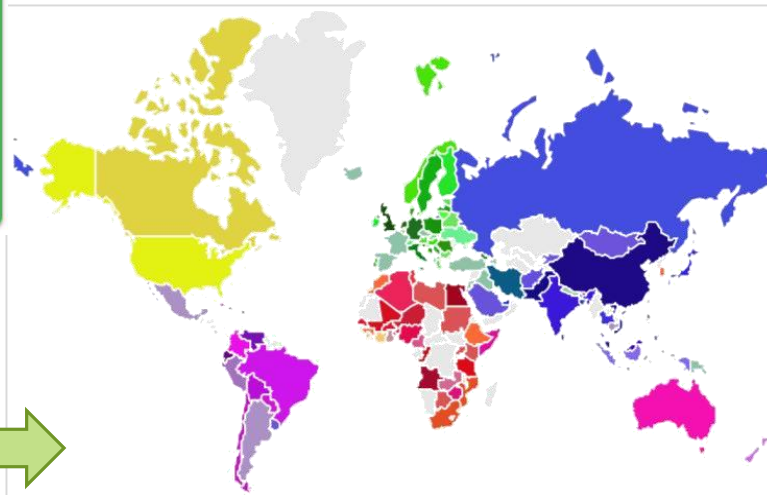
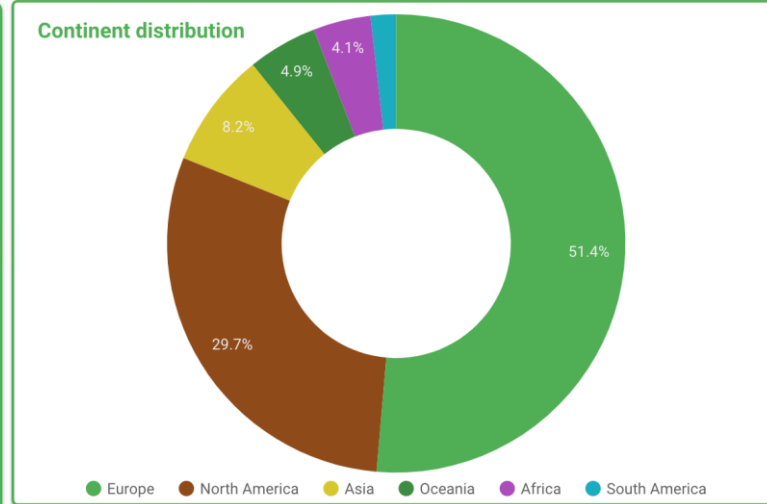
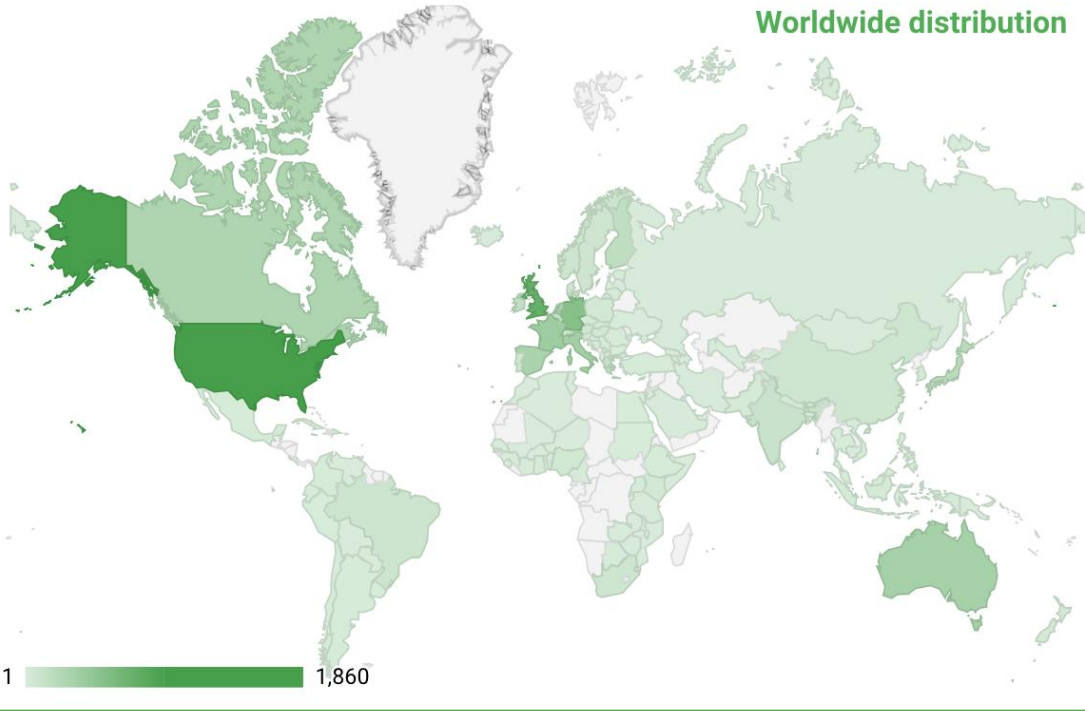
# Who is RDA



# Who is RDA



# RDA Geographical Distribution



**RDA members come from 137 different countries**



## *Financial Support*

### Funders



### Plenary Hosts



### Other Financial Supporters



**45**  
**Organisational**  
**Members**

***Supported by international organisations since 2012 & publicly launched in March 2013***

# RDA Organisational & Affiliate Members

## 45 Organisational Members

## 8 Affiliate Members



- 1. Adopting Recommendations**
- 2. Exchanging Observers**
- 3. Preparation Workshops**
- 4. Joint Workshops: focussing on topics of mutual interest**
- 5. Joint Collaboration Activities**
  - a) quality seal to help users identify service providers which can be seen as trustworthy**
  - b) domain of components for digital object based infrastructures**

# International Data Week 2018

will be held on 5-8 November 2018  
in Gaborone, Botswana.

*Hosted by the Botswana Open Science and Open Data Forum, IDW 2018 will bring together data scientists, researchers, industry leaders, entrepreneurs, policymakers and data stewards from all disciplines and geographies across the globe.*

Co-organized by the **ICSU World Data System (WDS)**, the **ICSU Committee on Data for Science and Technology (CODATA)** and the **Research Data Alliance (RDA)**, IDW 2018 combines the 12th RDA Plenary Meeting, the bi-annual meeting of the research data community, and SciDataCon 2018, the scientific conference addressing the frontiers of data in research.

## Digital Frontiers of Global Science

# INTERNATIONAL DATA WEEK 2018

5 - 8 NOVEMBER

[WWW.INTERNATIONALDATAWEEK.ORG](http://WWW.INTERNATIONALDATAWEEK.ORG)

### Organisers



To find out more visit:

<https://www.rd-alliance.org/plenaries/rda-twelfth-plenary-meeting-part-international-data-week-2018-gaborone-botswana>

[rd-alliance.org/plenaries](http://rd-alliance.org/plenaries)

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



CC BY-SA 4.0



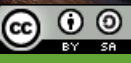
# RDA's 13<sup>th</sup> Plenary Meeting Philadelphia, Pennsylvania 2- 4 April 2019



<https://rd-alliance.org/plenaries/rda-thirteenth-plenary-meeting-philadelphia-us>

[rd-alliance.org/plenaries](https://rd-alliance.org/plenaries)

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



CC BY-SA 4.0

RDA and Nordics  
13 August 2018  
Helsinki, Finland

WWW.RD-ALLIANCE.ORG/  
@RESDATALL



## RDA Global

Email - [enquiries@rd-alliance.org](mailto:enquiries@rd-alliance.org)

Web - [www.rd-alliance.org](http://www.rd-alliance.org)

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

LinkedIn -

[www.linkedin.com/in/ResearchDataAlliance](http://www.linkedin.com/in/ResearchDataAlliance)

Slideshare -

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

## Hilary Hanahoe, Secretary General

Email – [hilary.hanahoe@gmail.com](mailto:hilary.hanahoe@gmail.com)

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

