# The Research Data Alliance

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# THE RESEARCH DATA ALLIANCE

www.rd-alliance.org

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

**25 FLAGSHIP OUTPUTS**

OF WHICH 4 ICT TECHNICAL SPECIFICATIO

**75 ADOPTION CASES**

ACROSS MULTIPLE DISCIPLINES, ORGANISATIO

**93 GROUPS WORKING ON GLOBAL DATA INTEROPERABILITY CHALLENGES**

*of which 32 WORKING GROUPS & 61 INTEREST GROUPS*

**7,180 INDIVIDUAL MEMBERS FROM 137 COUNTRIES**

67% Academia & Research
15% Public Administration
11% Enterprise & Industry

**45 ORGANISATIONAL MEMBERS & 8 AFFILIATE MEMBERS**

RDA
RESEARCH DATA ALLIANCE

## Vision

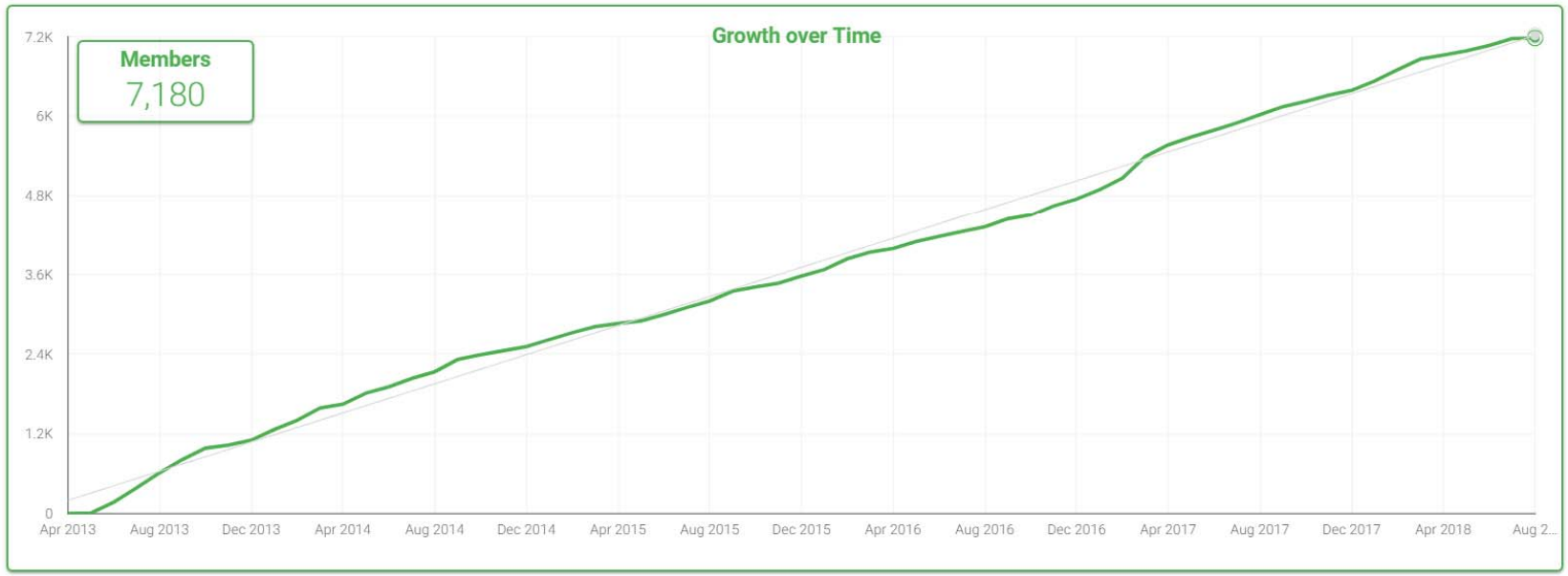
**Researchers and innovators** openly share data across technologies, disciplines, and countries to address the grand challenges of society.

## Mission

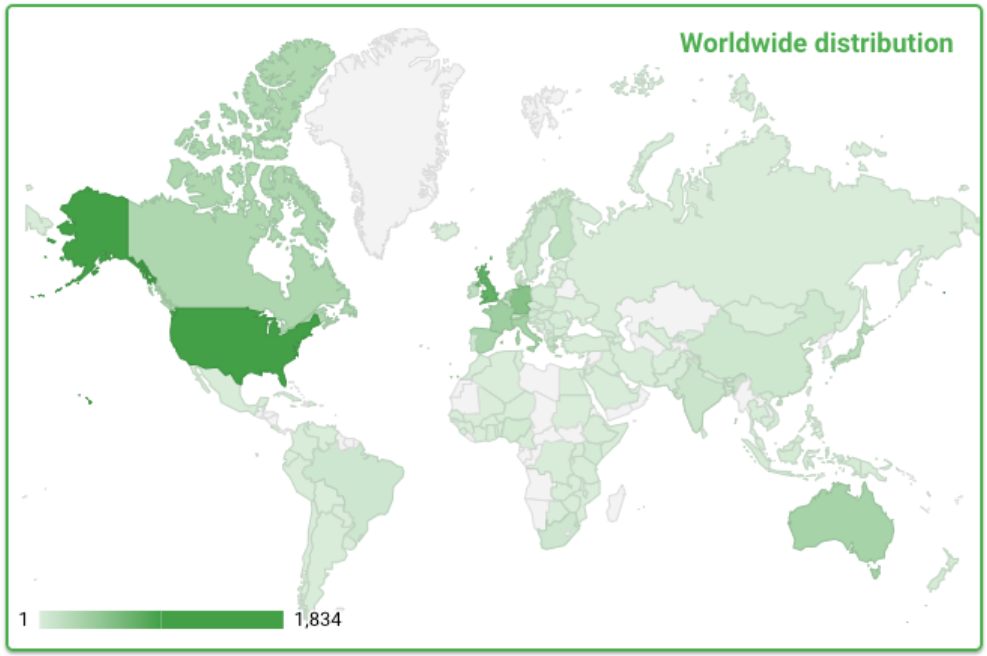
RDA builds the social and technical bridges that **enable open sharing** of data.

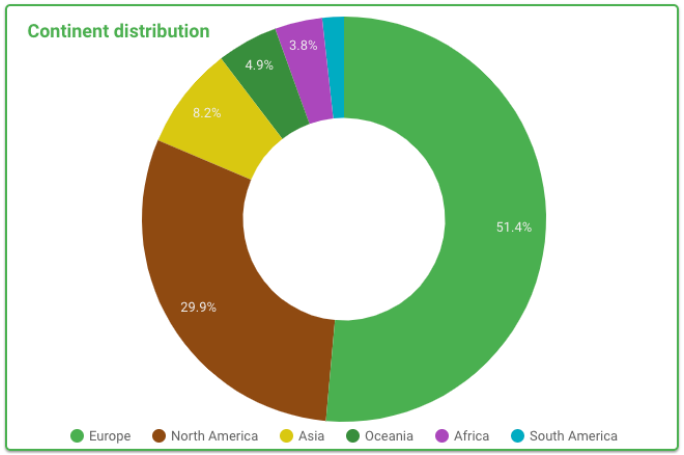
# Who is RDA

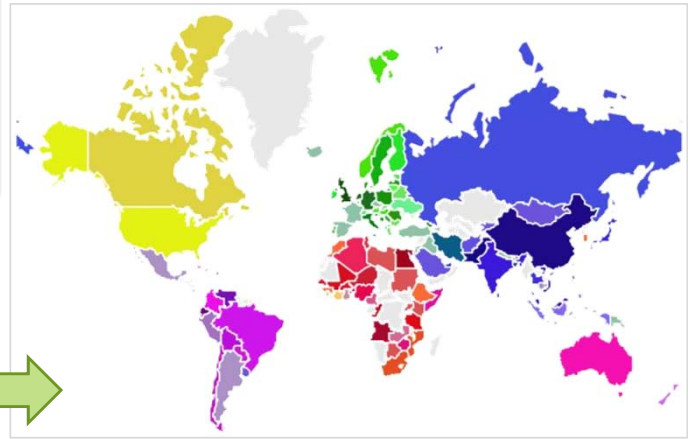
## RDA Worldwide Growth



# RDA Geographical Distribution



**RDA members come from 137 different countries**

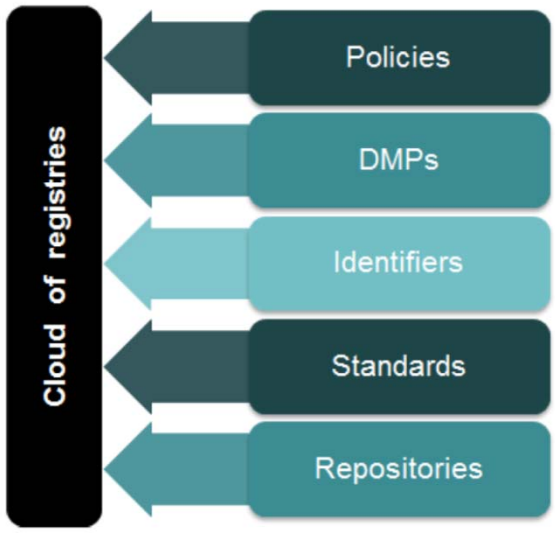
# The Research Data Alliance

- Community-driven, international, consensus building, problem solving, neutral forum
- Different stakeholder profiles of research data sharing represented – The relevant community
  - Researchers
  - Data managers
  - Data stewards
  - Librarians
  - Policy makers & research funders
  - Private sector – Publishers

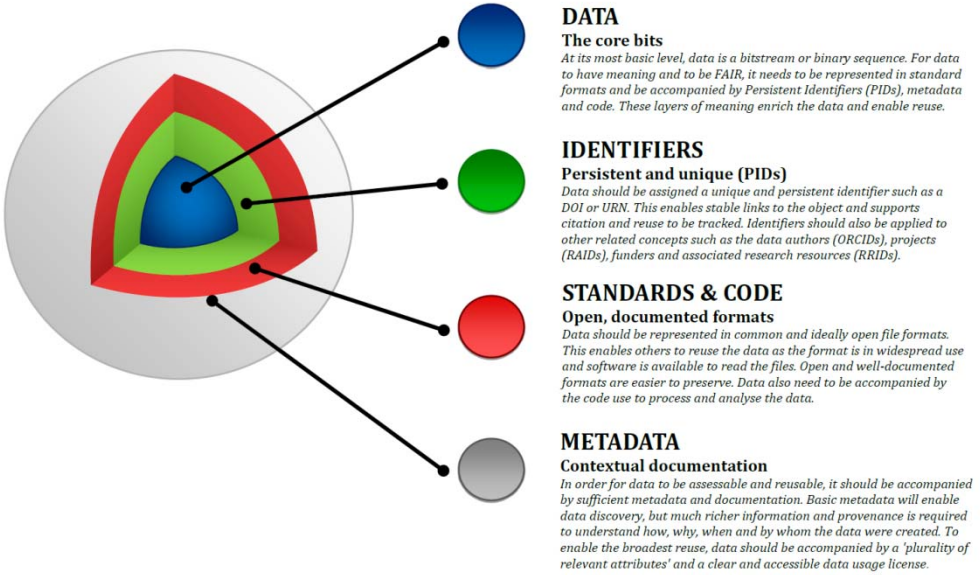
# The RDA community

- Identifies open questions and work on them in the IGs and WGs
- Shares expertise and best practices
- Produces outcomes and formal recommendations, which are progressively recognized by the European Commission as ICT recommendations

# Very diverse open questions (EC FAIR EG)




Components of the FAIR data ecosystem




Model for FAIR data objects

(Interim report of the FAIR Data EC Expert Group)

# Very diverse open questions (EC FAIR EG)

- Research culture
- Technical ecosystem
- Skills and capacity building

Plus

- Metrics
- Cost and investments

- Analysis, recommendations and action plan (interim report/many comments)

# A few examples of topics tacked by RDA

- Agriculture
  - Agriculture IG
  - Uses RDA to discuss interoperability in their field (involving FAO & GODAN)
    - Wheat Data Interoperability WG
    - Rice Data Interoperability WG
    - On-Farm Data Sharing WG
    - Agrisemantics WG
  - Capacity Development for Agriculture Data WG
- Materials Sciences (involves NIST)
  - International Materials Resource Registry WG – Registry based on the IVOA/astronomy one

# A few examples of topics tackled by RDA

- Certification of data repositories
  - Merged Data Seal of Approval & World Data System, which initially addressed different communities – agreement on criteria and method > Core Trust Seal
- Data Citations, Data repositories, Data Management Plans, etc

- Also Overarching Groups
  - Disciplinary Collaboration Frameworks
  - Data Fabric – management of digital objects across the data life cycle

# Among RDA capacities

- Synchronise between the national, regional/European and international levels
- Attract and engage experts from a variety of research fields
- The place to organise interaction platforms among data professionals on a wide variety of topics
- The place to discuss disciplinary interoperability frameworks for fields which do not have one already
- The place to build synergies between solutions from different fields

- Lessons learnt
  - Sociological/cultural aspects are very important
  - Technological aspects should be driven by user needs

- Very broad questions