



The Research Data Alliance and Data Opportunities for Libraries

National Library of Ireland, 14th January 2019
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*"emergence of
data intensive
science and
data
management
mandates
extended to
traditional
libraries"*



Today's specials ...

- RDA in a nutshell
- Librarians, Archivists & Information Service professionals in RDA
- Value of RDA to Libraries and Value of Libraries to RDA
- RDA Outputs for Libraries
- Getting involved

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

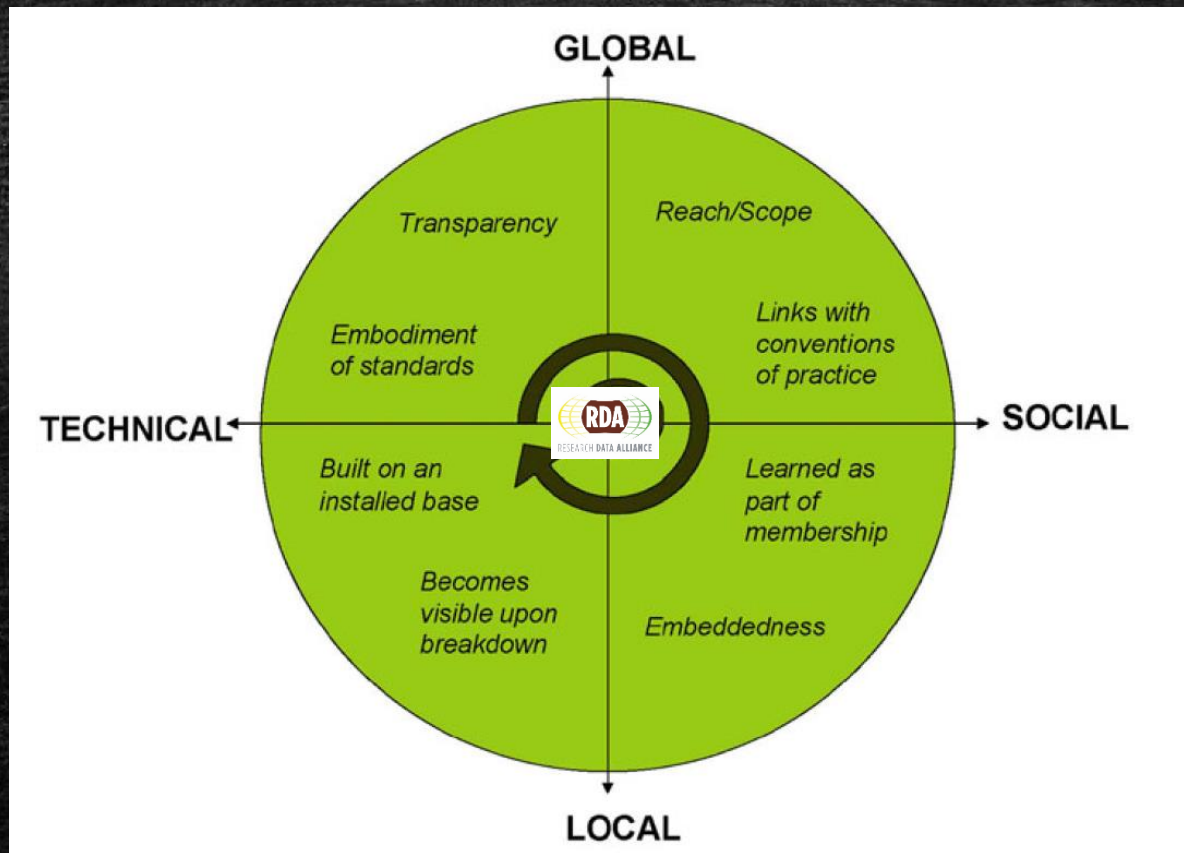
Build the social and technical bridges that enable open sharing and re-use of data.

Realistic ... actually happening

The RDA Approach:

to further research innovation, efficiency and reproducibility by identifying and facilitating socio-technical best practices and standards for research data, tools and infrastructure. These will advance solutions to Grand Challenges and the UN Sustainable Development Goals.

Social and Technical Infrastructure ... or enterprise

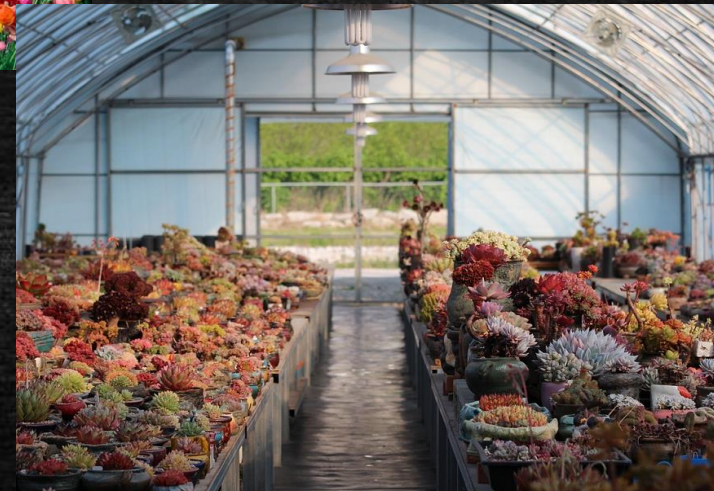


International and local
Technical and Social

*As relevant now as it was
in 2013*

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

- Multi, cross-
and inter-
disciplinary
- Grass roots
approach
- Neutral
social
platform



The heart of RDA

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: 35 Working Groups

RECOMMENDATIONS: Concrete deliverables - "Running code", tools, standards, etc.

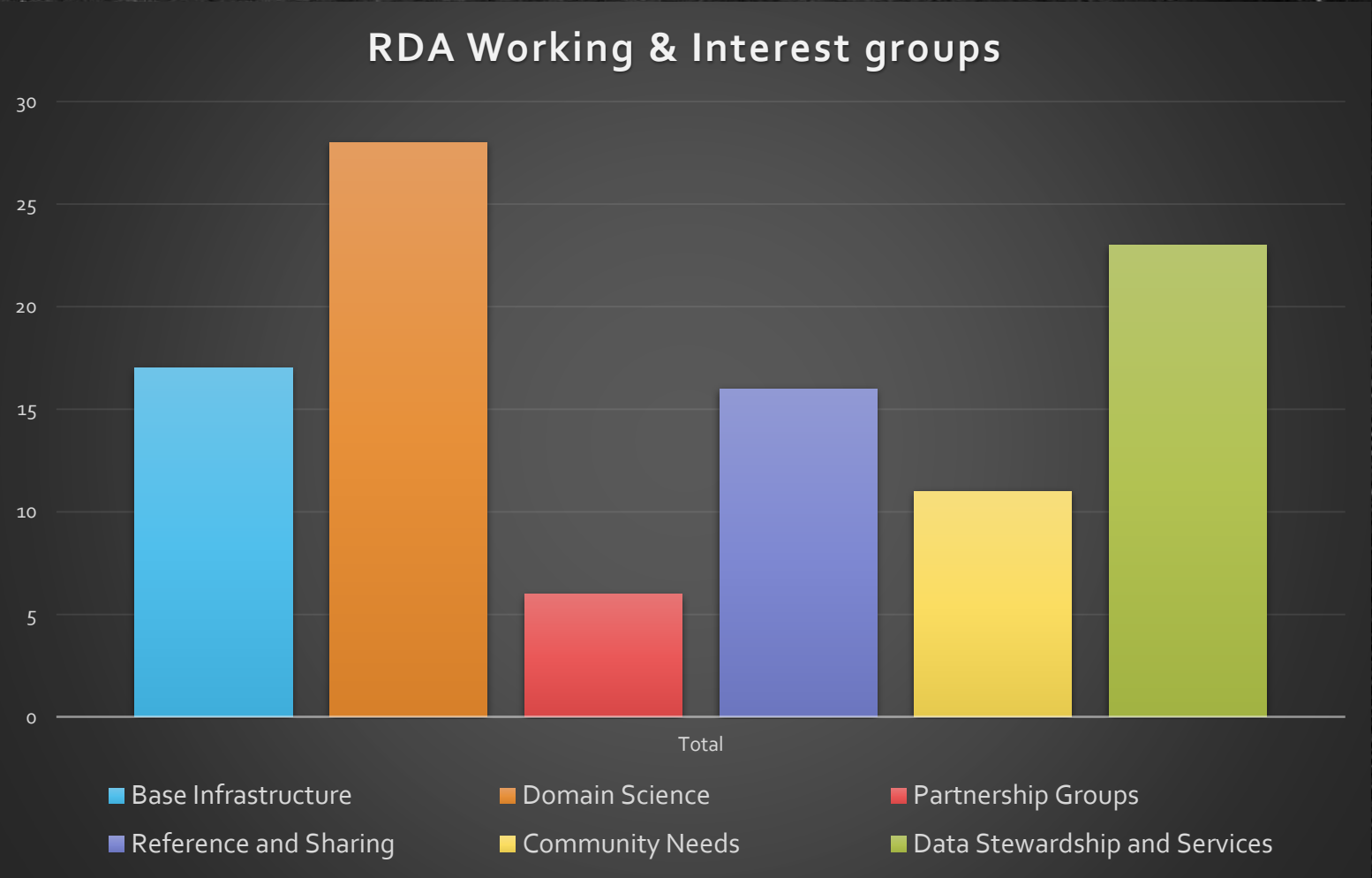
Interest Groups

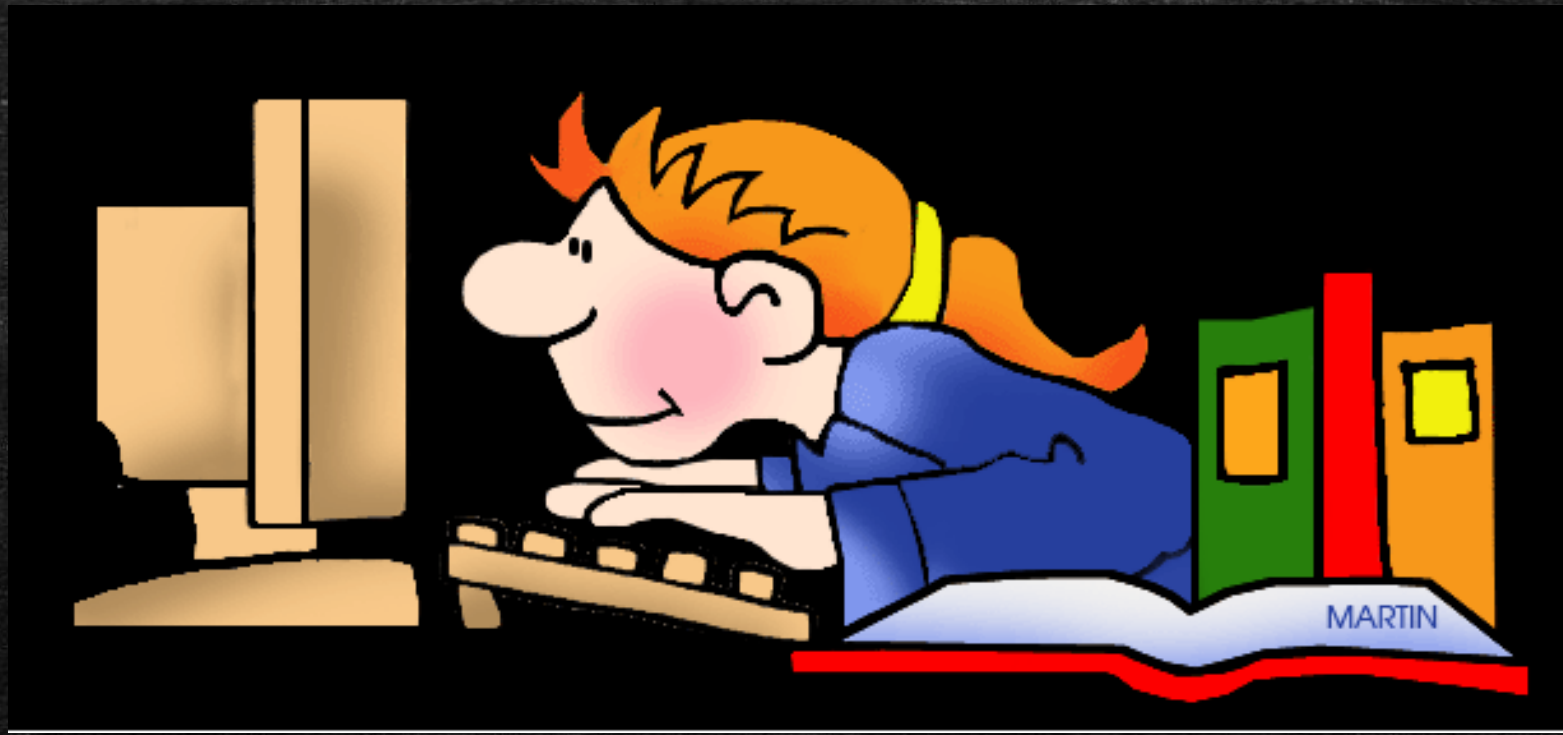
- focus on solving a specific data sharing problem and identifying what kind of infrastructure needs to be built.
- TIMING: as long as group is active
- TOTAL: 66 Interest Groups

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

A menu of sorts ...

Classification	WGs	IGs
Base Infrastructure	6	11
Community Needs	1	10
Data Stewardship & Services	6	17
Domain Science	8	20
Partnership Groups	3	3
Reference & Sharing	11	5
Total RDA Groups	35	66





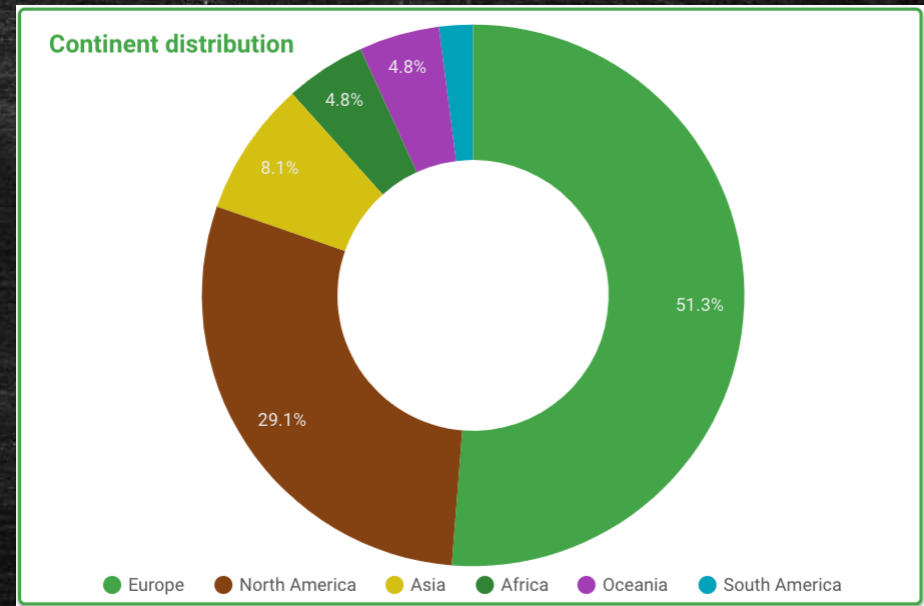
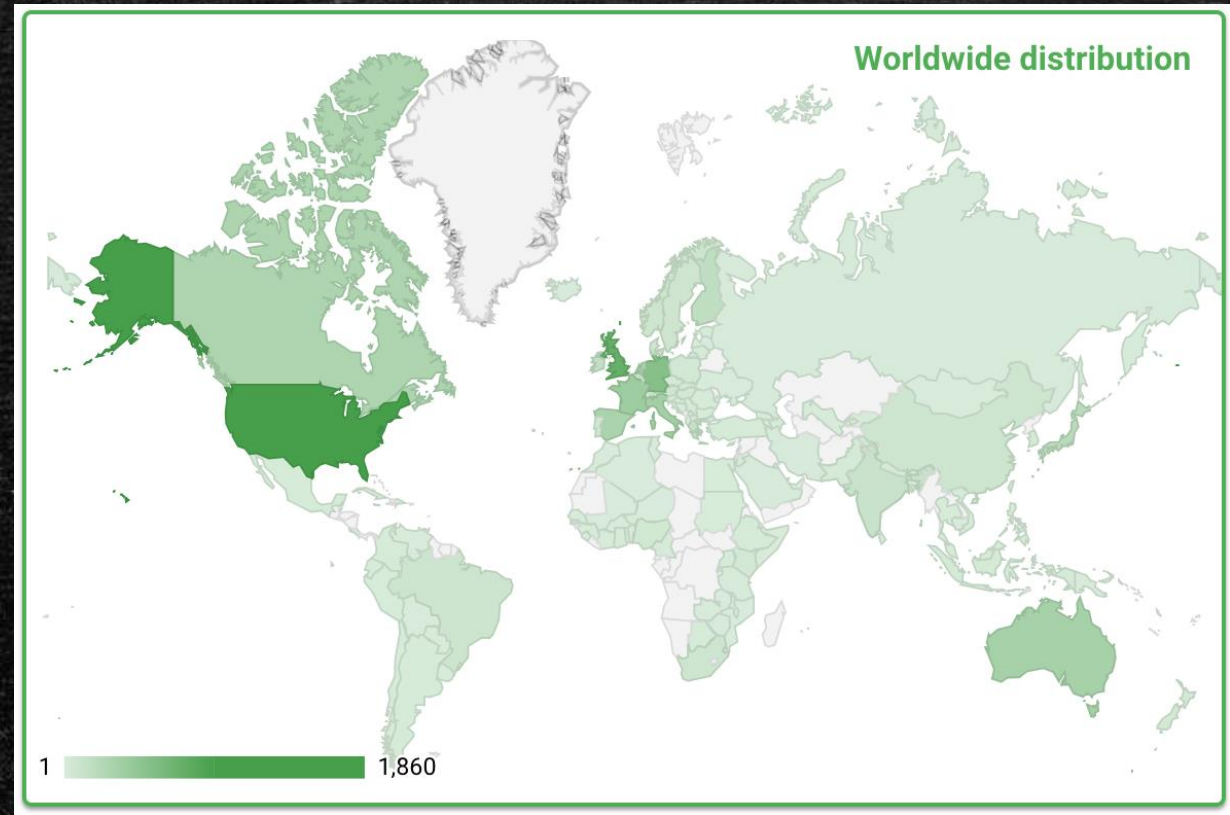


Wheat Data Interoperability WG

Who is the Research Data Alliance?

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

RDA across the globe

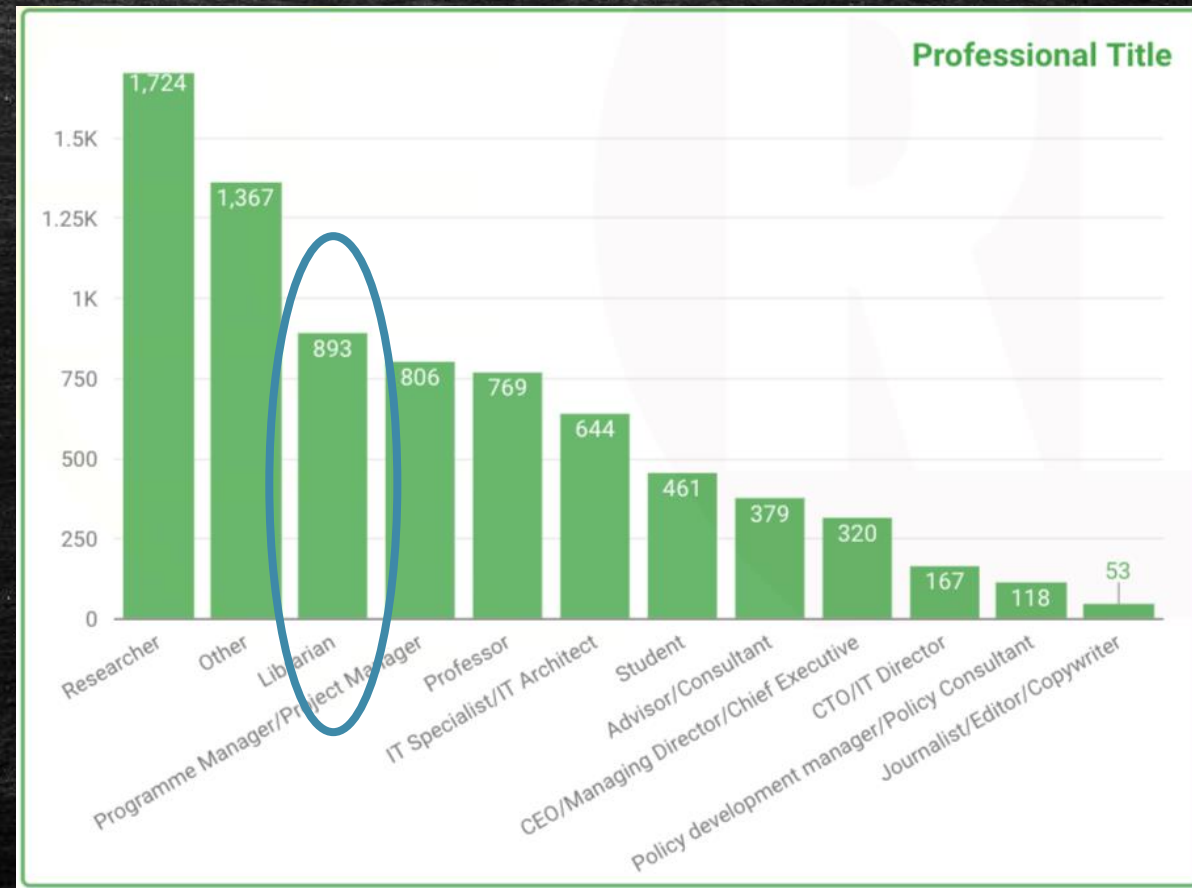


7,700 RDA members come from 137 different countries (145 from Ireland)

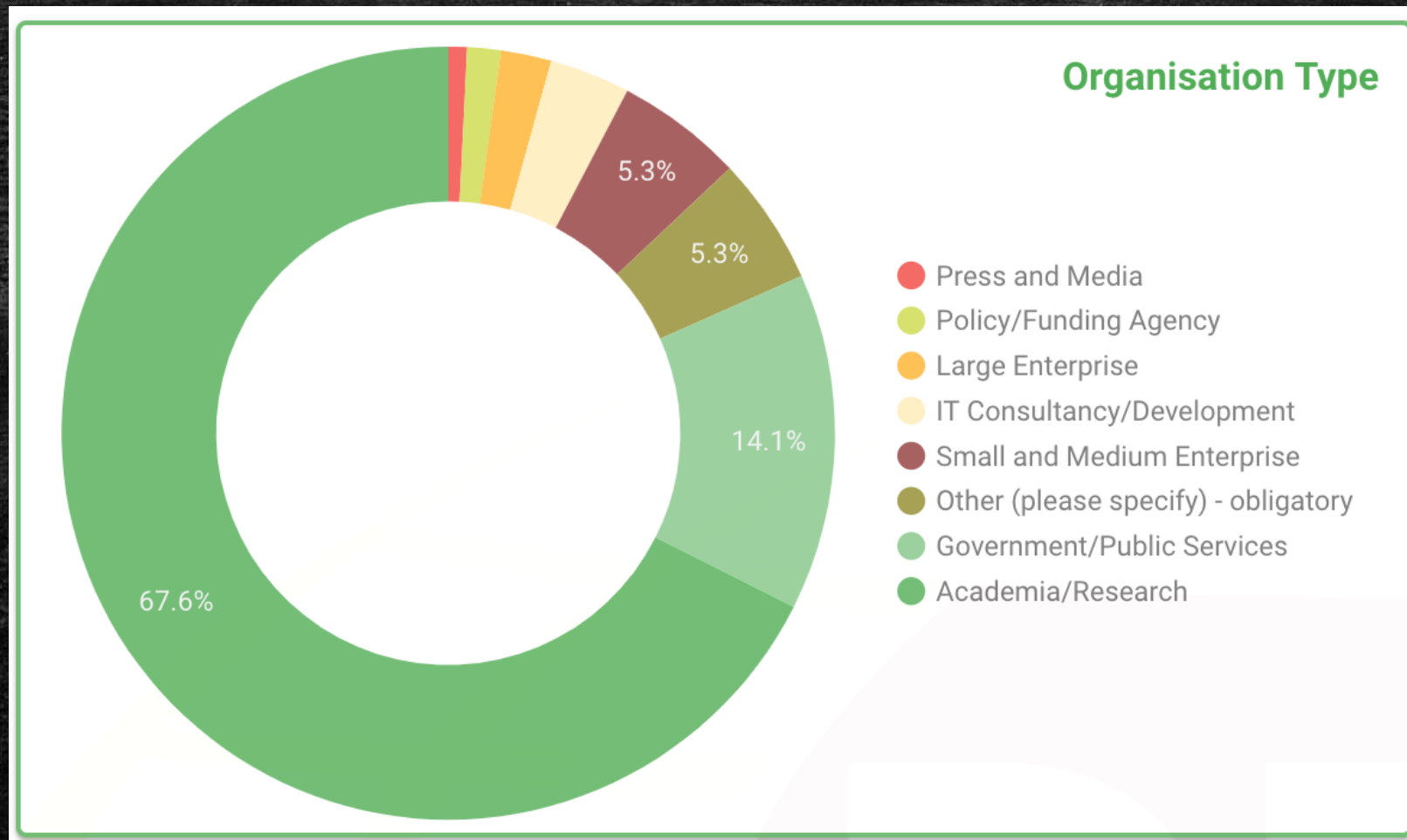


RDA Community professions

**12% RDA
community
are librarians
(893)**



RDA Organisational Type



Librarians, Archivists & Information Professionals in RDA

**taking the initiative in addressing the
technical and social infrastructure
needed to enable and sustain open
research and open science**

<https://www.rd-alliance.org/rda-disciplines/rda-and-librarianship-archival-science-and-information-science>

What is the value of engaging with RDA?

- a global, open, neutral, experienced and independent forum for interaction with data professionals, researchers, ICT experts and academics;
- augment the library community and corresponding data interoperability solutions;
- Build strategic, collaborative relationships and partnerships;
- institution-wide advocacy processes for development of institutional and national technical and human infrastructures, legal frameworks, training programmes and policies for data stewardship;

What is the value of engaging with RDA?

- facilitates the harmonisation, integration and/or implementation of existing standards and methods;
- Adopt RDA recommendations and outputs ;
- a unique forum for creating use cases and a 'working space' ;
- opportunities and networks for data management skills development and expertise

Benefits to you ...

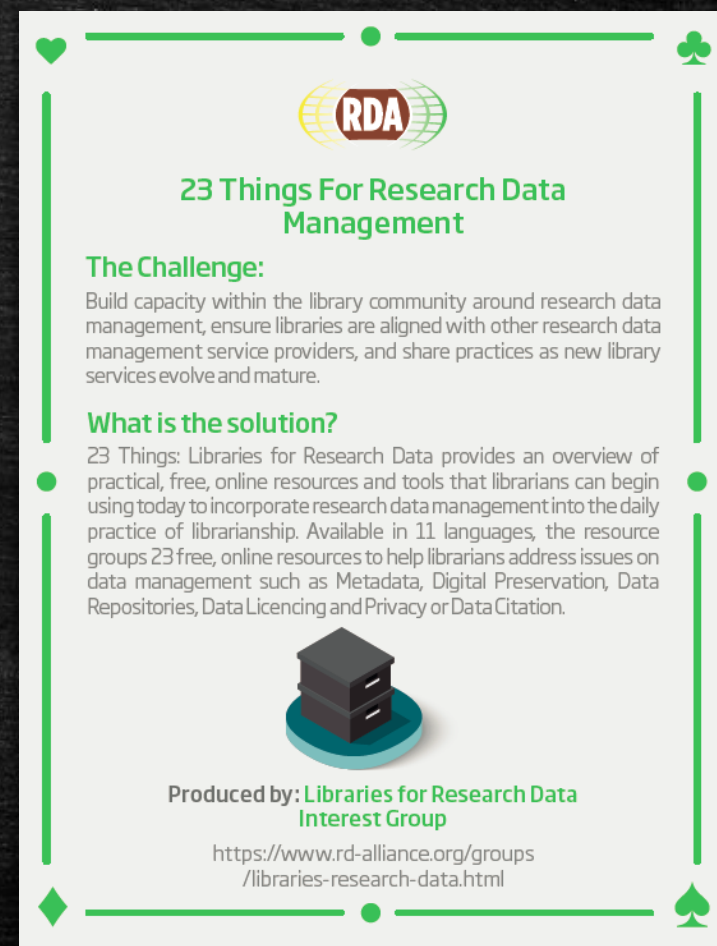
- experience and expertise in **data management and data science**;
- quality and effectiveness of personal work and activities;
- Professional **competitive advantage** and **international leadership** within the community;
- extraordinary **network of international colleagues** and organisations

Benefits to RDA?

YOU have skills and expertise
which can contribute greatly to
the development of best
practices

Libraries for Research Data Interest Group

- 440 members – RDA's largest group
- Successful Output in 12 languages
- **23 Things: Libraries For Research Data:**
An overview by of practical, free, online resources and tools that users can immediately take advantage of to incorporate research data management into the practice of librarianship.



23 Things For Research Data Management

The Challenge:
Build capacity within the library community around research data management, ensure libraries are aligned with other research data management service providers, and share practices as new library services evolve and mature.

What is the solution?
23 Things: Libraries for Research Data provides an overview of practical, free, online resources and tools that librarians can begin using today to incorporate research data management into the daily practice of librarianship. Available in 11 languages, the resource groups 23 free, online resources to help librarians address issues on data management such as Metadata, Digital Preservation, Data Repositories, Data Licensing and Privacy or Data Citation.

Produced by: Libraries for Research Data Interest Group
<https://www.rd-alliance.org/groups/libraries-research-data.html>

23 Things in nutshell

1. Learning Resources
2. Data Reference & Outreach
3. Data Management Plans
4. Data Literacy
5. Metadata
6. Citing data
7. Data Licensing & Privacy
8. Data Preservation
9. Data Repositories
10. Communities of Practice



23 Things: Libraries for Research Data

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/RDAthing1>
2. Relevant concepts are presented and mapped in the e-Science Thesaurus, <http://bit.ly/RDAthing2>
3. Understanding the life of research data with the DCC Curation Lifecycle Model, <http://bit.ly/RDAthing3>
4. MANTRA online training modules for librarians, <http://bit.ly/RDAthing4>
5. Read the most current literature in the Digital Curation Bibliography, <http://bit.ly/RDAthing5>
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/RDAthing6>

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/RDAthing7>
8. Learn more about a researcher's needs by reading or creating your own Data Curation Profile, <http://bit.ly/RDAthing8>
9. Develop engagement materials to help your librarians such as the DataOne Librarian Outreach Kit, <http://bit.ly/RDAthing9>

10. Questions about data answered by experts on the DataQ forum, <http://bit.ly/RDAthing10>

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/RDAthing11>

Data Literacy

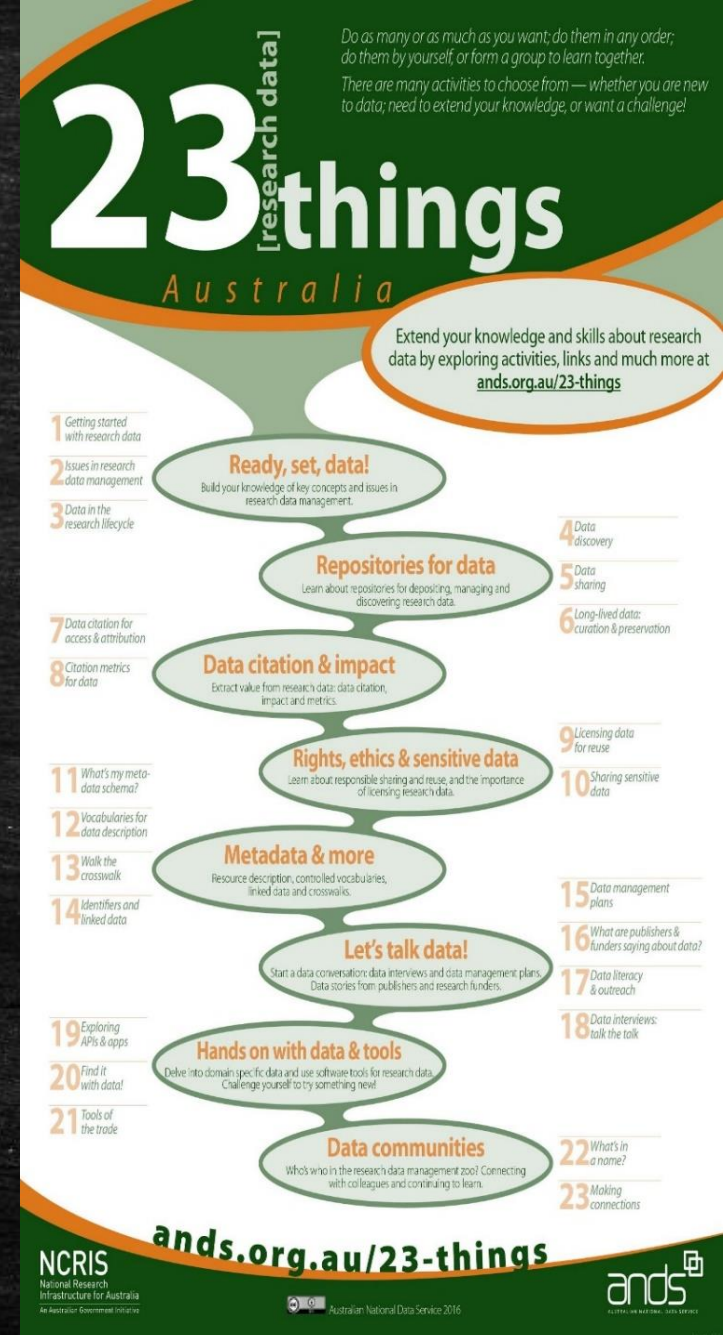
Librarians are including data in their information literacy instruction, to recognize when patrons have a need for data and have the ability to locate, evaluate, and use data.

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/RDAthing12>

Practical Implementation

Programme designed for **librarian and research support staff**

- self-paced learning style, relevant examples, combination of thinking and doing exercises and grouping around **data management topics**
- build **capability and a community of practice** around research data management
- Available for **reuse and repurpose** anywhere in the world to suit specific needs



Open Science | Open Data

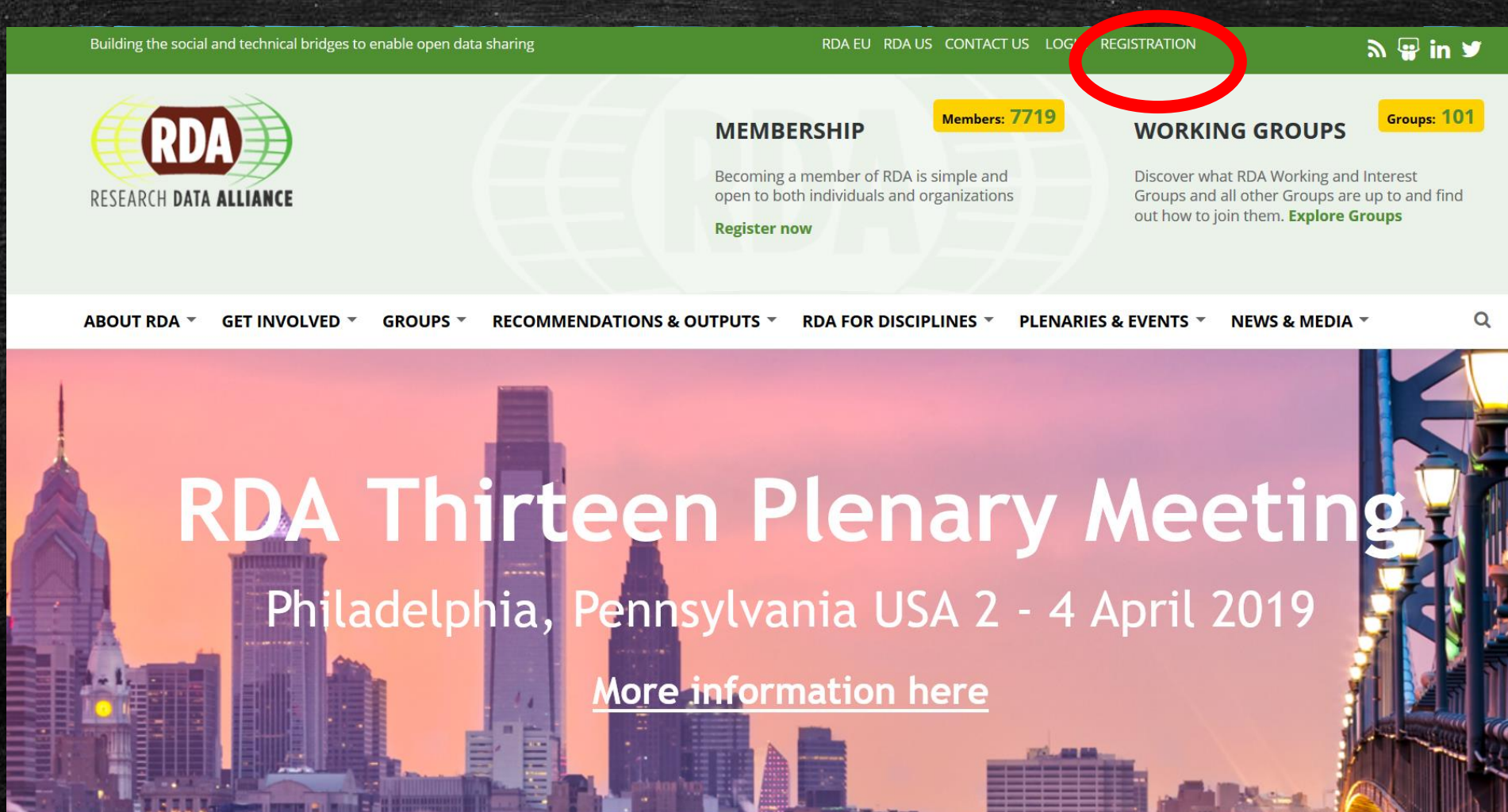


Getting Involved

RDA Guiding Principles

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


Becoming an RDA member



The screenshot shows the RDA website with a green header. The header contains the tagline "Building the social and technical bridges to enable open data sharing" on the left, and navigation links "RDA EU", "RDA US", "CONTACT US", "LOG IN", and "REGISTRATION" on the right. The "REGISTRATION" link is circled in red. Below the header, the main content area is divided into two columns. The left column is titled "MEMBERSHIP" and features the RDA logo, the text "Becoming a member of RDA is simple and open to both individuals and organizations", and a "Register now" link. To the right of this text is a yellow box stating "Members: 7719". The right column is titled "WORKING GROUPS" and features the text "Discover what RDA Working and Interest Groups and all other Groups are up to and find out how to join them. Explore Groups". To the right of this text is a yellow box stating "Groups: 101". Below the main content area is a white navigation bar with links: "ABOUT RDA", "GET INVOLVED", "GROUPS", "RECOMMENDATIONS & OUTPUTS", "RDA FOR DISCIPLINES", "PLENARIES & EVENTS", "NEWS & MEDIA", and a search icon. At the bottom of the page is a large banner for the "RDA Thirteen Plenary Meeting" in Philadelphia, Pennsylvania USA, held from 2 - 4 April 2019. The banner includes a "More information here" link and a background image of the Philadelphia skyline at sunset.

Building the social and technical bridges to enable open data sharing

RDA EU RDA US CONTACT US LOG IN **REGISTRATION**

 **MEMBERSHIP** Members: 7719

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

[Register now](#)

WORKING GROUPS Groups: 101

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

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

RDA Thirteen Plenary Meeting

Philadelphia, Pennsylvania USA 2 - 4 April 2019

[More information here](#)

Join at <https://rd-alliance.org/user/register>


RDA in Ireland

RDA in Ireland

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i RDA is an international volunteer member-based organisation and as such encourages the initiative and support of its members across the globe to animate their community on a national level. RDA Europe national node are part of the RDA Europe support programme whose aim is to interact with researchers and innovators in the local language, offering them a platform for exchange of information pertinent to the RDA and their activities and in strict compliance with RDA's guiding principles of Openness, Transparency, Consensus-based, Community driven, Harmonisation and Non-profit. The national pages should not be interpreted as an official representation of the Research Data Alliance in any country or any organisation unless this is specifically stated.

**Group details**

Group Email: rda-ireland@rda-groups.org

[History](#)



RDA in Ireland

Node Coordinators: [Sandra Collins](#)
Group Email: rda-ireland@rda-groups.org

Permissions are available to all site users

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[Click here to create a wiki index for this](#)

<https://rd-alliance.org/groups/rda-ireland> | [@RDA_Ireland](#)

RDA Plenary Meetings



Exchange knowledge, share discoveries, discuss barriers and potential solutions



Learn about new trends, strategies, research developments, directions and policies



Meet new committed and passionate data science professionals, working in multiple disciplines



Contribute to acceleration of data infrastructure development

RDA's 13th Plenary Meeting Philadelphia, Pennsylvania 2- 4 April 2019



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

RDA P₁₄ is headed to Finland



HELSINKI/ESPOO
OCTOBER 23-25, 2019

Early Career & Experts Opportunities

Early Career Experts Grants Programme For 13th Plenary Meeting

➤ Seeking applications **from students and early career professionals** from higher education or research institutions with studies focusing on data sharing and exchange challenges

View Call details & apply for one of **7 grants of maximum €1750**

<https://grants.rd-alliance.org/OpenCalls/call-early-careers-p13>

➤ Are you a **mid-career or senior data professional or scientist**, interested or already committed to RDA activities?

View Call details & apply for one of **5 grants of maximum €1800**

<https://grants.rd-alliance.org/OpenCalls/call-experts-P13>



Deadline 05 February 2019, 17:00 CET

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The Research Data
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14 January 2019

RDA

Email - enquiries@rd-alliance.org

Web - www.rd-alliance.org

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LinkedIn -

www.linkedin.com/in/ResearchDataAlliance

Slideshare -

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

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