



The Research Data Alliance: where we are heading ...

19th February 2019

Hilary Hanahoe, Secretary General, Research Data Alliance

hilary.hanahoe@rda-foundation.org | @hilaryhanahoe | @resdatall

Today's specials ...

- RDA in 5 minutes
- RDA Mechanisms
- Value of RDA
- RDA & EOSC
- RDA & NFDI
- Future Direction

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.

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**

The heart of RDA ... 101 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: 35 Working Groups

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

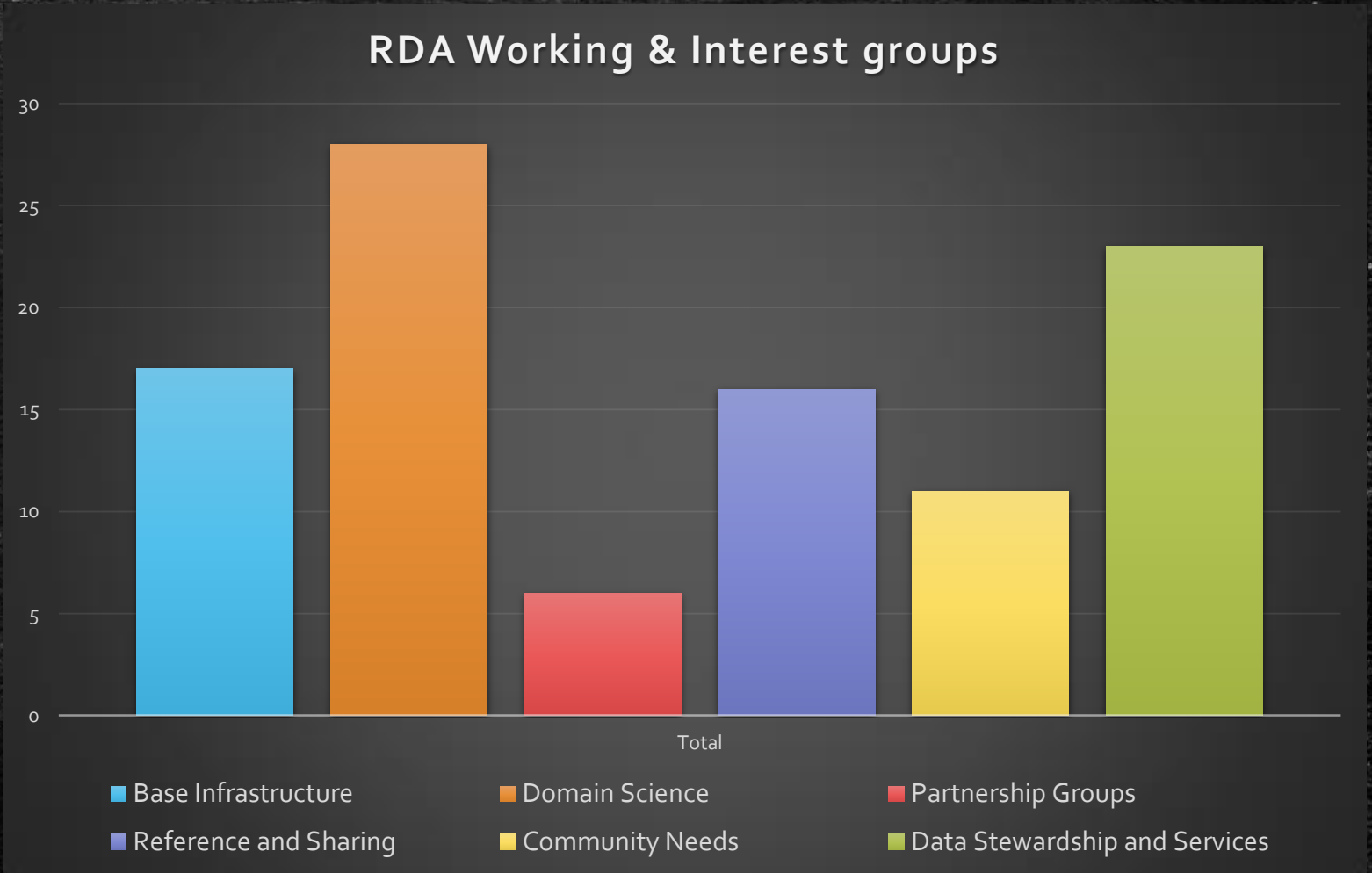
Interest Groups

- 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



RDA Recommendations & Outputs

RECOMMENDATIONS

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

18 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.

12 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>

DKRZ adoption case



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>

Adoption Grants for European Organisations

- ✓ 8 Grants
- ✓ 3-6 Months
- ✓ €15.000 (max.)
- ✓ RDA Recommendations & Supporting Outputs (30)
- ✓ EU member states & associated countries are eligible



**Call For Europe
Adoption Grants**

RDA support 8 projects up to a maximum of €15,000 each.
Deadline of submission: 4 March 2019 @ 5PM CET

Submit your application now!

The poster features a background of hands assembling golden puzzle pieces. The RDA logo is in the top right corner. A yellow arrow points right and a yellow arrow points left, framing the call to action.

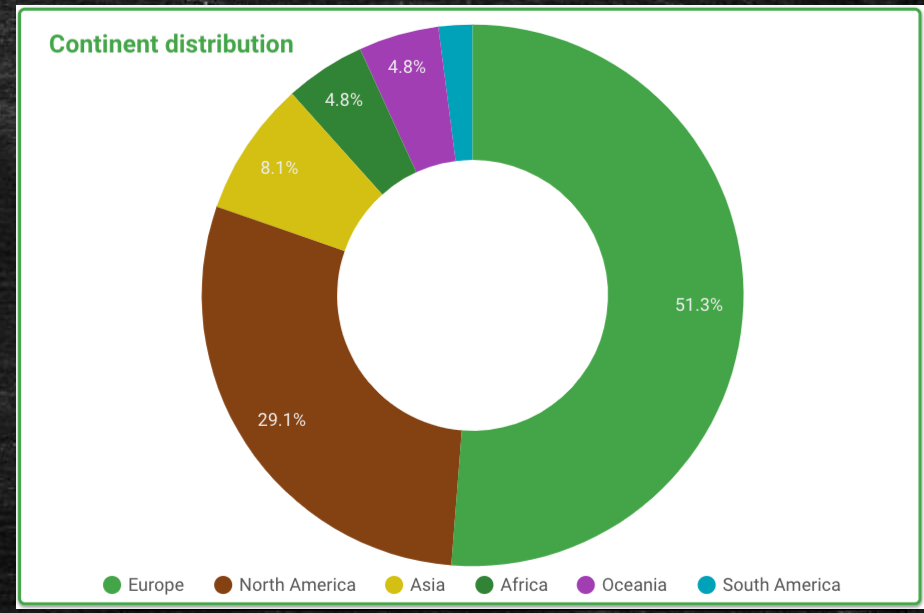
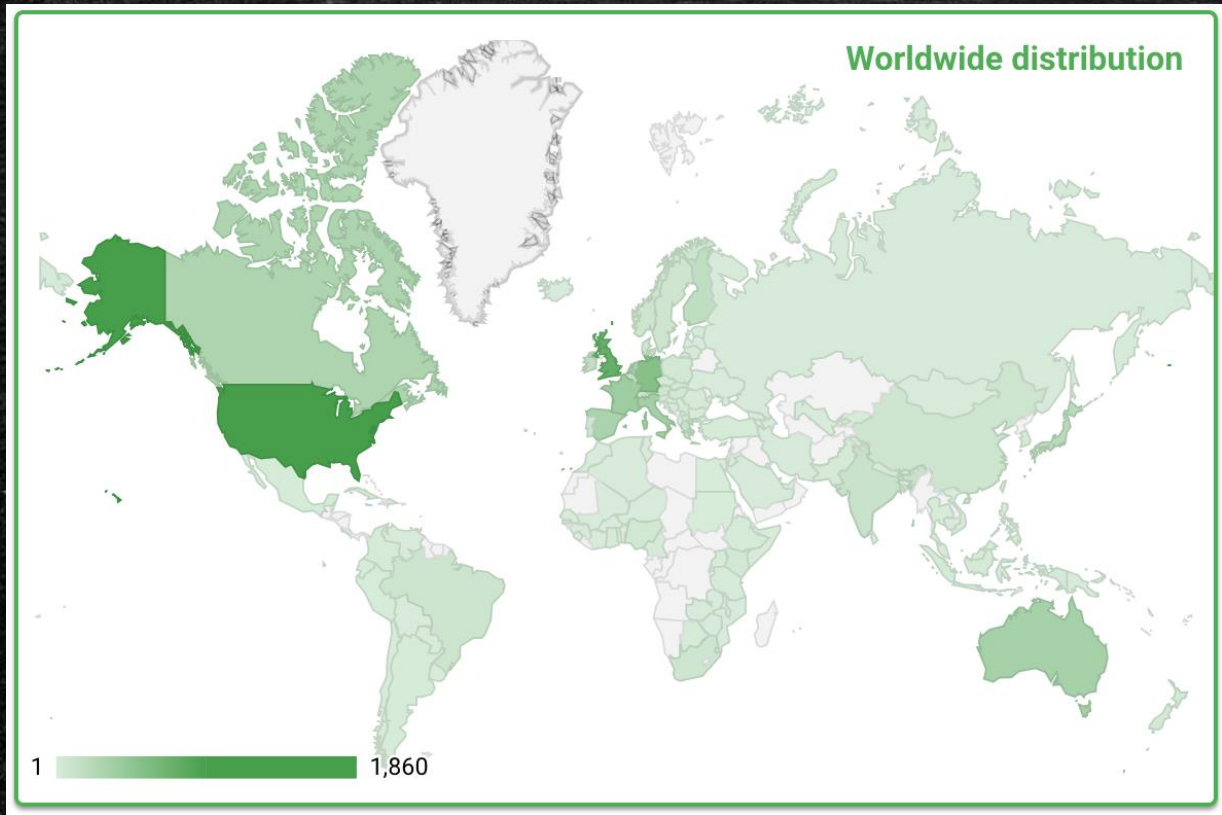
"The What, Why and How - RDA Europe 4.0 Adoption Grants"
Webinar Feb 21, 2019 @ 14:00CET
More Details <http://bit.ly/2BsCTrv>



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

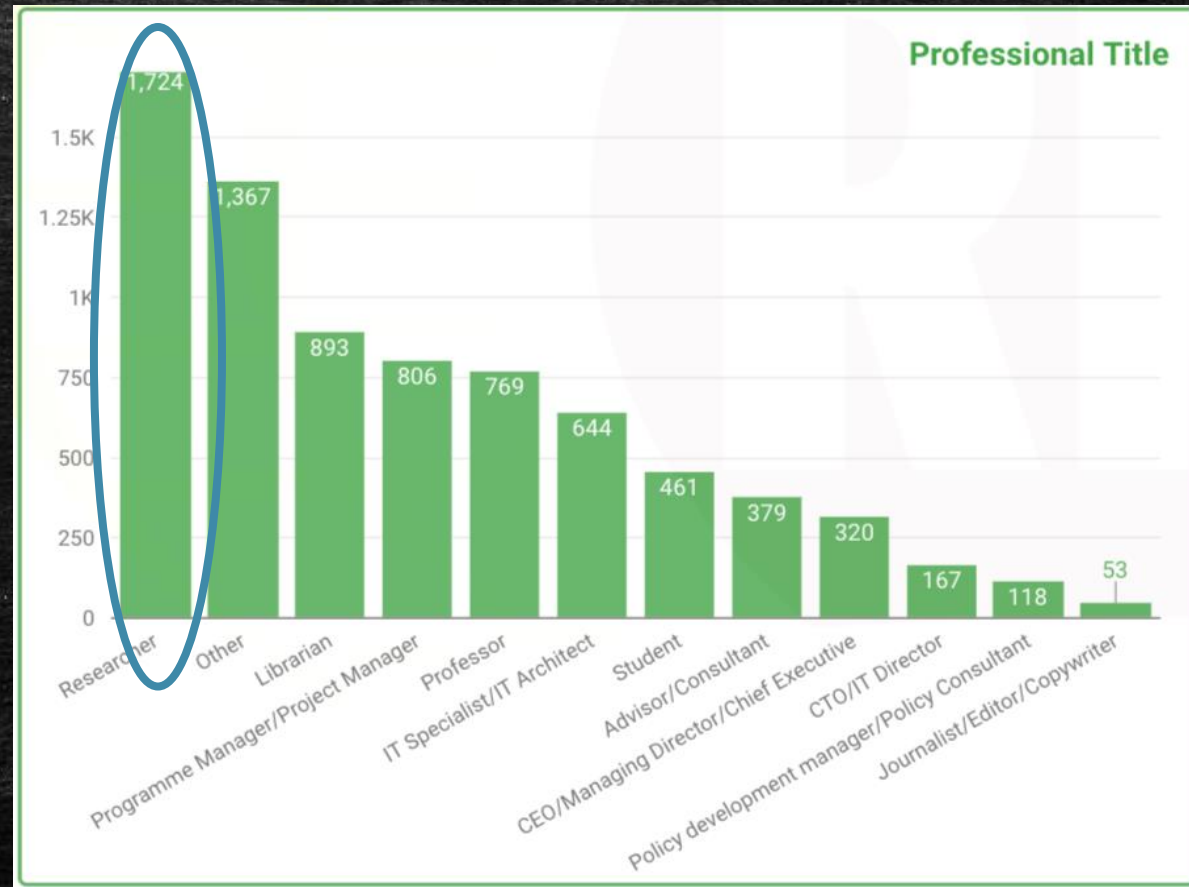


7,900+ RDA members from 137 different countries (560 from DE)

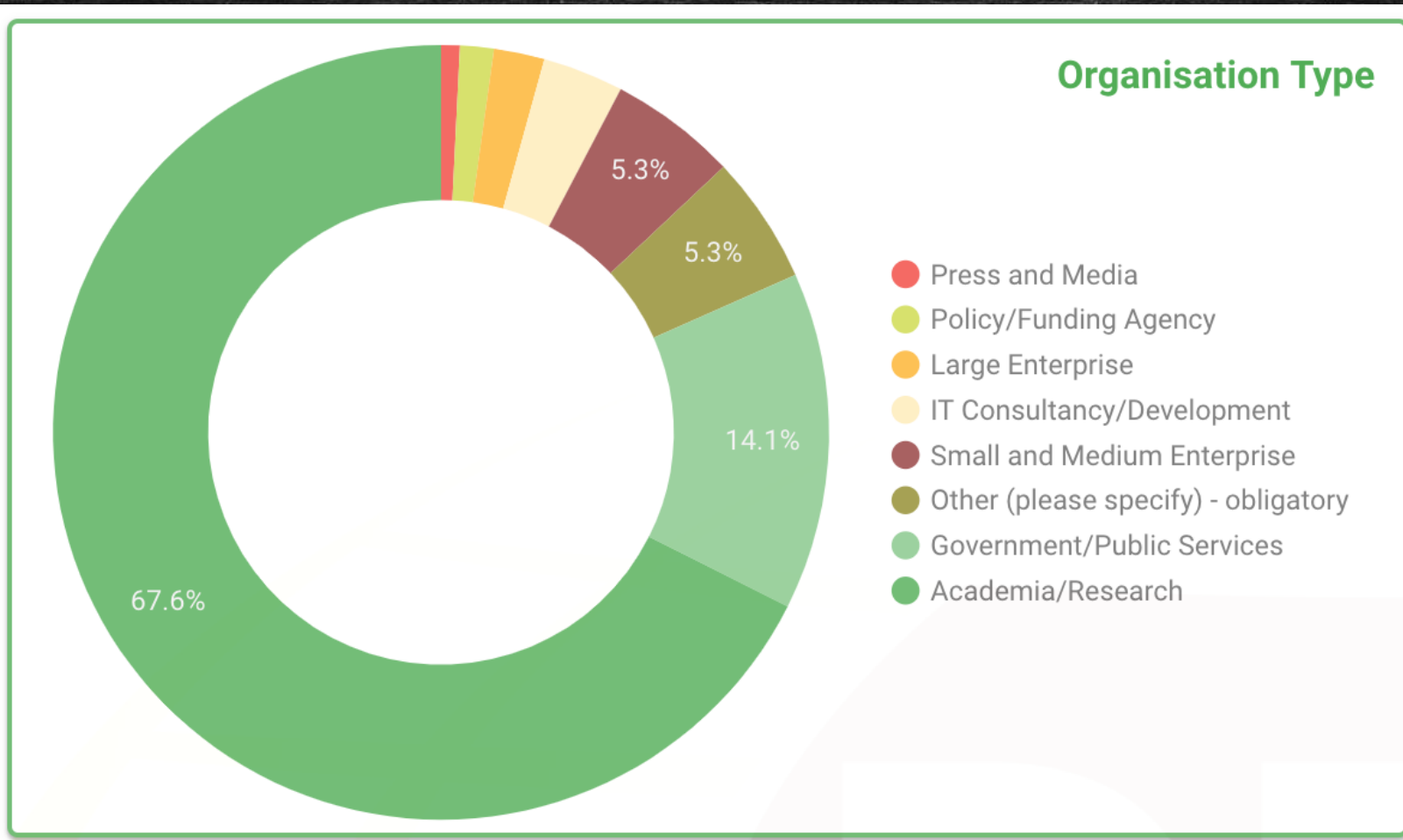


RDA Community professions

**22% RDA
community
are
researchers
(1,724)**



RDA Organisational Type





Value of engaging with RDA

CONTRIBUTE TO DEBATES, RECOMMENDATIONS AND OUTPUTS

- Propose **new topics** for discussion and possible new recommendations
- **Engage** with the Working and Interest groups of RDA
- Participate in **global discussions on FAIR data** principles and beyond
- Contribute to the **practical development** of concrete solutions
- Access and **adopt/implement** a Recommendation or Output from RDA
- **Lessons learnt** by others and from their **good practices** for your own activities

BECOME PART OF THE COMMUNITY

- Access an extraordinary **network of colleagues** with a broad set of experiences, perspectives, practices, and intellectual frameworks relevant to data-driven innovation
- Become **a voice for RDA and data interoperability** in your organisations, sectors, markets and geographies
- Have a voice in RDA, providing advice and counsel on the **needs of your sectors** and the problems faced in data exchange

INDIVIDUAL MEMBERS

RECEIVE THE LATEST INFORMATION

- Receive **regular updates** on the work of the RDA

PARTICIPATE IN PLENARIES/MEETINGS

- Participate in **bi-annual RDA Plenary Meetings**, **scientific** meetings workshops, etc.

PARTICIPATE IN ELECTIONS

- Participate in **RDA voting** processes
- **Candidate** yourself for Council, Technical Advisory Board

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



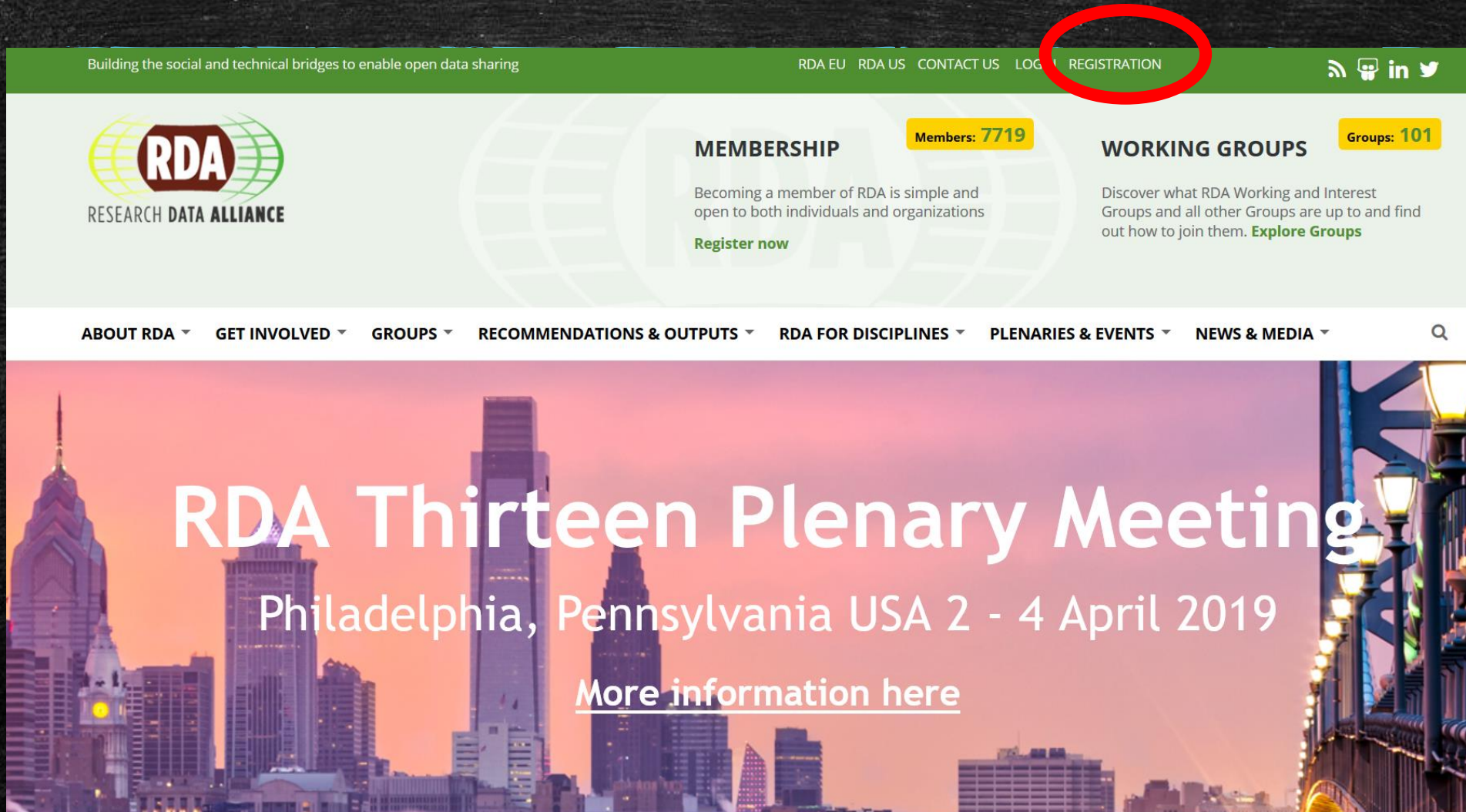
<https://rd-alliance.org/plenaries/rda-thirteenth-plenary-meeting-philadelphia-us>

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




CALL FOR CO-LOCATED EVENTS OPENING SOON

Becoming an RDA member



Building the social and technical bridges to enable open data sharing

RDA EU RDA US CONTACT US LOG IN **REGISTRATION** RSS YouTube LinkedIn Twitter

 **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](#)

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



The Research Data Alliance & the European Open Science Cloud



EOSC Implementation Roadmap Action Lines

(a) architecture

(b) data

(c) services

(d) access and interfaces

RDA provides an international forum for discussing and agreeing relevant technical standards for the first 4 action lines all of which are within the scope of RDA

(e) Rules

ICT Technical Specifications within the EC Multi-stakeholder Platform

(f) governance

International governance – Council, TAB, OAB, Funders Forum, GEDE

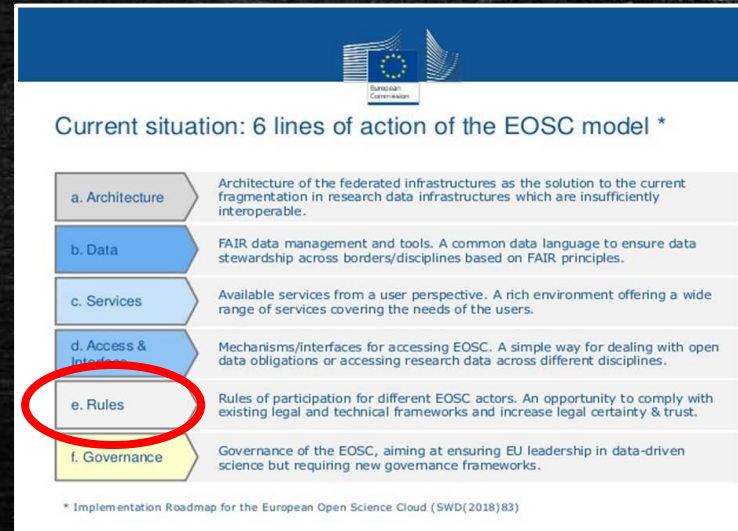


EOSC Rules

RDA recognised as a robust, open and an transparent organisation, compliant with the ICT Technical Specification identification processes and procedures.

- ✓ 8 RDA recommendations approved
- ✓ 4 currently starting evaluation process

<https://www.rd-alliance.org/recommendations-outputs/standards>



European Commission

Current situation: 6 lines of action of the EOSC model *

a. Architecture	Architecture of the federated infrastructures as the solution to the current fragmentation in research data infrastructures which are insufficiently interoperable.
b. Data	FAIR data management and tools. A common data language to ensure data stewardship across borders/disciplines based on FAIR principles.
c. Services	Available services from a user perspective. A rich environment offering a wide range of services covering the needs of the users.
d. Access & Interoperability	Mechanisms/interfaces for accessing EOSC. A simple way for dealing with open data obligations or accessing research data across different disciplines.
e. Rules	Rules of participation for different EOSC actors. An opportunity to comply with existing legal and technical frameworks and increase legal certainty & trust.
f. Governance	Governance of the EOSC, aiming at ensuring EU leadership in data-driven science but requiring new governance frameworks.

* Implementation Roadmap for the European Open Science Cloud (SWD(2018)83)



RDA & NFDI (German National Research Data Infrastructure)

Synergies

NFDI

- set standards in data management and, as a digital, regionally distributed and networked knowledge store, sustainably secure and utilize research data.
- to systematically exploit, sustainably secure and make available the databases of science and research, and to network (inter-) nationally

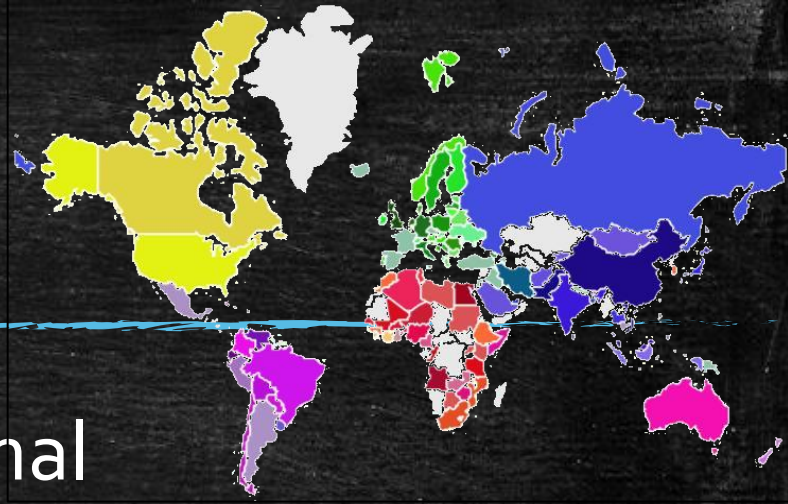
RDA

- Best practices and standards in research data management
- International scope
- Forum for identification of NFDI solutions
- Forum for promotion & exploitation of NFDI outputs



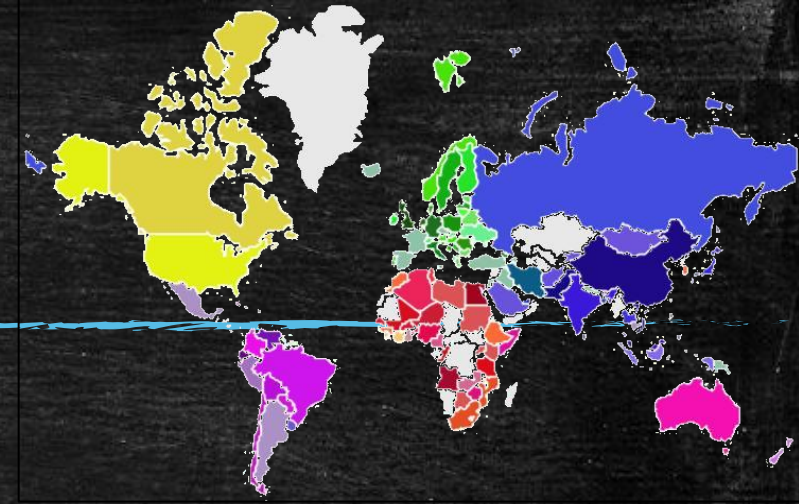
Direction

Regional Engagment



- Develop strong partnerships with Regional members to ensure the ongoing success and sustainability of RDA
- Seen as two halves of one whole
 - Regions help RDA **reach out to local membership**
 - RDA gives Regions **an international forum & voice**

RDA Region



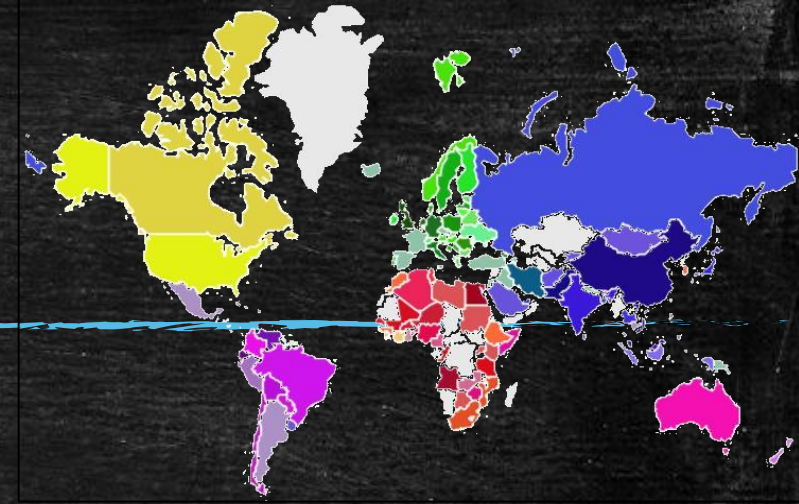
An RDA Region is loosely defined as a “national level” geographic entity or consortium of “national-level” entities, and is intended to be broadly representative.

RDA will not decide the level on which Regions should be formed. It is for individual countries or consortia to define what model best suits their context and culture.

RDA membership categories

Regions (proposed)

To be defined with regions



Organisations

48 members and 8 affiliates

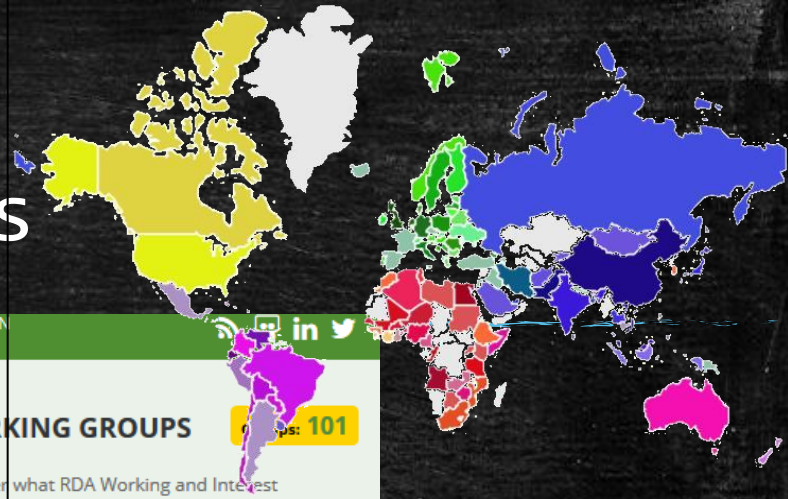
Funders, publishers, universities, service providers,
representative bodies....

Individuals

7800 people from over 137 different countries


Researchers, librarians, funders, industry.....

RDA regional engagement updates



Building the social and technical bridges to enable open data sharing

RDA EU RDA US CONTACT US LOGIN REGISTRATION

 **O&A Members** 57 **MEMBERSHIP** Members: 7741 **WORKING GROUPS** Groups: 101

Active Organisational & Affiliate members

Becoming a member of RDA is simple and open to both individuals and organizations
[Register now](#)

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 Regions

Home » Working And Interest Groups » Coordination Group » RDA Regions

CG **Group details**

History

Since its inception in 2013, the RDA has grown rapidly. As of November 2018, it now has nearly 7500 individual members based in over 137 countries. In light of this growth, the RDA Council concluded in 2017 that the overall strategy needed to be revisited to create a resilient organisation able to deliver on its commitments and satisfy the community and stakeholders. In November 2017, four sub-committees were created, one of which focused on regional engagement.

The first step in determining the relationship between RDA and potential regional members was

RDA Regions

Public - accessible to all site users

[Join Group](#)

THANK YOU VERY MUCH

The Research Data
Alliance: where
are we heading
Potsdam, Germany
19 February 2019

RDA

Email - enquiries@rd-alliance.org

Web - www.rd-alliance.org

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

LinkedIn -

www.linkedin.com/in/ResearchDataAlliance

Slideshare -

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

Hilary Hanahoe

Secretary General, Research Data Alliance

Email - hilary.hanahoe@rda-foundation.org

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