

# The Research Data Alliance (RDA)

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# THE RESEARCH DATA ALLIANCE

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

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

## 25 FLAGSHIP OUTPUTS

of which 4 ICT  
Technical  
Specifications

## 75 ADOPTION CASES

across multiple  
disciplines,  
organisations &  
countries

## 93 GROUPS WORKING ON GLOBAL DATA INTEROPERABILITY CHALLENGES

*of which 32 WORKING GROUPS  
& 61 INTEREST GROUPS*

## 7,269 INDIVIDUAL MEMBERS FROM 137 COUNTRIES

67% Academia & Research  
14% Public Administration  
11% Enterprise & Industry

## 45 ORGANISATIONAL MEMBERS & 8 AFFILIATE MEMBERS



## 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.

# 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 members collaborate together across the globe to tackle numerous infrastructure & data sharing challenges related to:

- ❖ Reproducibility
- ❖ Data preservation
- ❖ Best practices for domain repositories
- ❖ Legal interoperability
- ❖ Data citation
- ❖ Data type registries
- ❖ Metadata
- ❖ and so many more!



# RDA Working & Interest Groups

## 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

## Working Groups

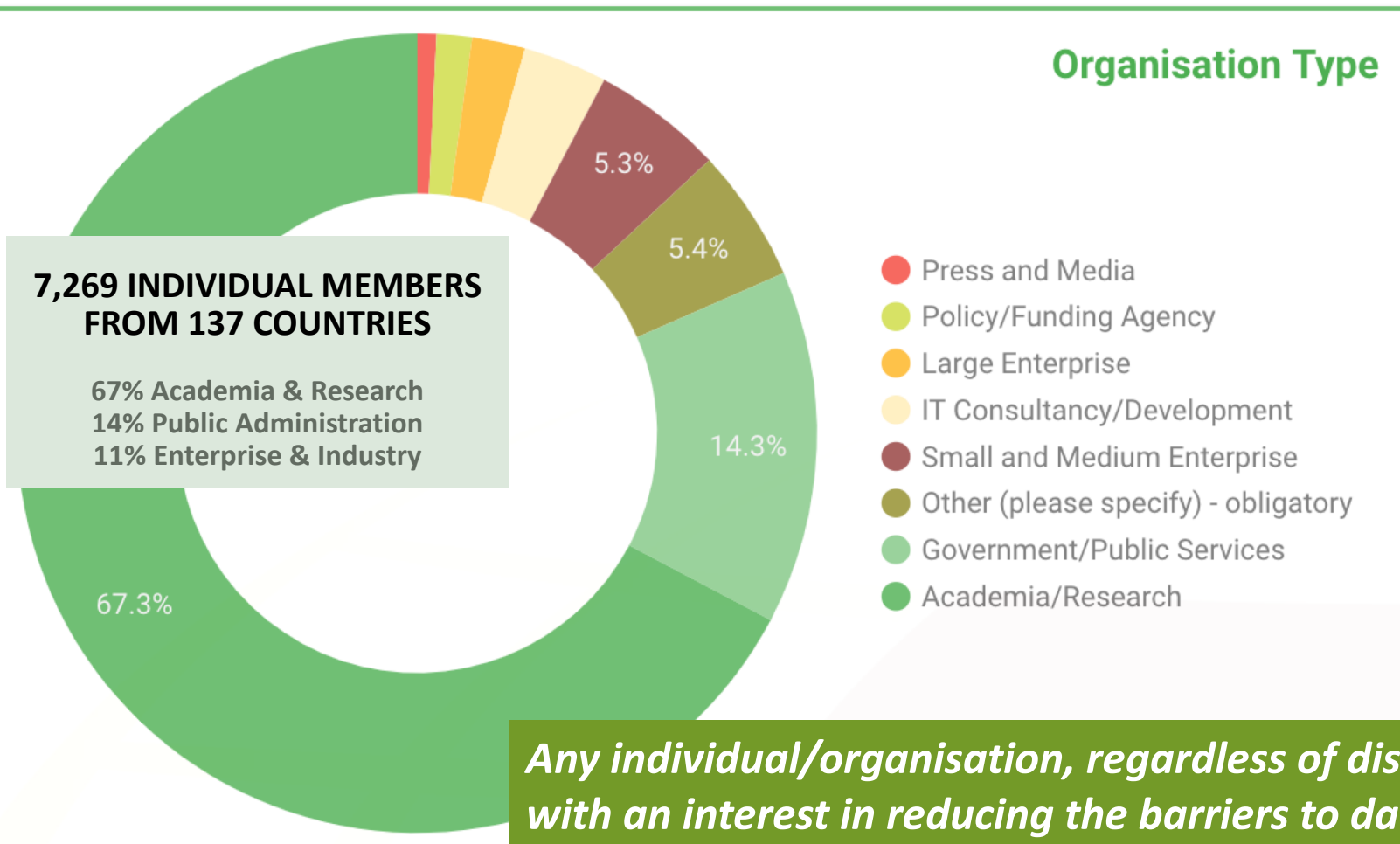
- develop and implement data infrastructure, e.g. tools, policy, practices & products that are adopted and used by projects, organizations, and communities
- ***TIMING: 12-18 MONTHS***
- ***TOTAL: 32 Working Groups***

**RDA Recommendations** are the flagship outputs of RDA. They are RDA's equivalent of the "specs" or "standards" that other organisations create and endorse.



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





*Any individual/organisation, regardless of discipline, with an interest in reducing the barriers to data sharing and re-use and who agrees to RDA's guiding principles*

# RDA Geographical Distribution

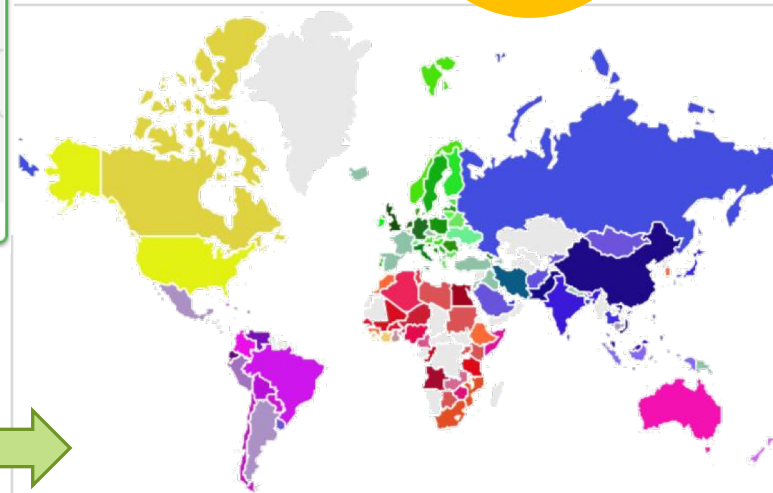
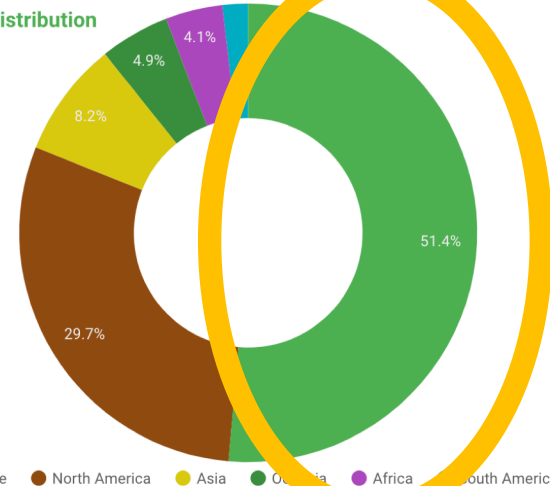
European Members

3,709

>250 members  
in Spain

0 722

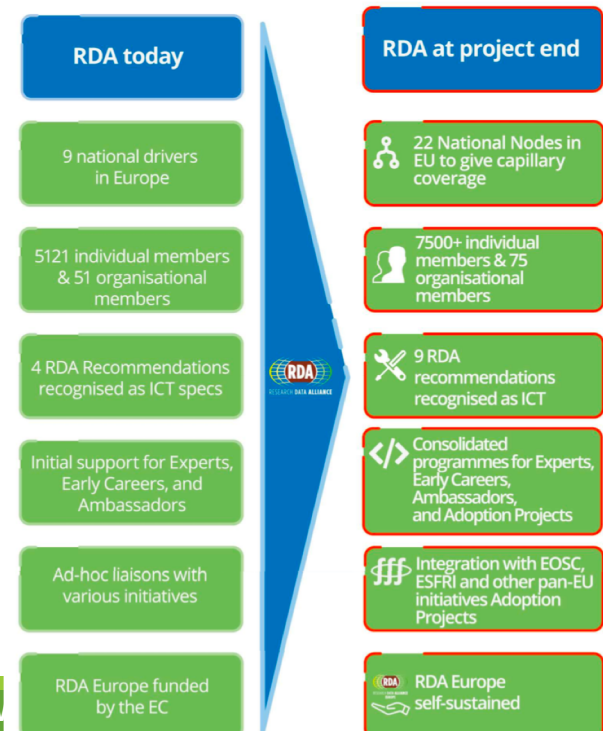
Continent distribution



RDA members come from 137 different countries

- Becoming a **core element in the EU Open Science Strategy**;
- Providing the skilled, voluntary resources from the EU investment **to address DSM issues**;
- Facilitating **cross-disciplinary & multi-disciplinary research**;
- **Building, strengthening, and consolidating an RDA global community**;
- **Contributing to global interoperable data infrastructure**;
- Democratising access to funding opportunities in data infrastructures & interoperability through a **cascading grant mechanism**
- **Driving the process of RDA ICT Technical Specifications in Europe**;
- **Developing a sustainable path for the RDA in Europe**

- 5 beneficiaries
- 9 third parties acting as national nodes
- 181,9 PMs
- 27 months: March '18 – May '20













# Join a Working or Interest Group

## Individual Member Benefits

- **Contribute** to acceleration of data infrastructure development
- Work and **share experiences** with collaborators throughout the world
- **Access** to extraordinary network of colleagues with various levels of experience, perspectives and practices
- Gain greater **expertise** in data science regardless of whether one is a student, early or seasoned career professional
- **Enhance** the quality and effectiveness of personal work and activities
- **Improve** one's competitive advantage professionally and positioning oneself for leadership within the broader research community

# Apply to an RDA open call for individuals/organisations

Early Careers	Experts	Ambassadors	Adopters	National Nodes
				
Each grant up to €1.750	Each grant up to €1.800	Each grant up to €7.000	Each grant up to €15.000	€462.000 to be distributed
28	20	12	8	13
4 waves 	4 waves 	2 waves 	1 wave 	3 waves 
<ul style="list-style-type: none"> <li>» July - September 2018</li> <li>» December - February 2019</li> <li>» June - August 2019</li> <li>» December - February 2020</li> </ul>	<ul style="list-style-type: none"> <li>» July - September 2018</li> <li>» December - February 2019</li> <li>» June - August 2019</li> <li>» December - February 2020</li> </ul>	<ul style="list-style-type: none"> <li>» September - November 2018</li> <li>» February - April 2019</li> </ul>	<ul style="list-style-type: none"> <li>» October - December 2018</li> </ul>	<ul style="list-style-type: none"> <li>» May - August 2018</li> <li>» January - April 2019</li> <li>» June - September 2019</li> </ul>
<ul style="list-style-type: none"> <li>» Participate actively in RDA Plenary meetings.</li> <li>» Dissemination RDA Plenary Outcomes.</li> </ul>	<ul style="list-style-type: none"> <li>» Participate actively in RDA Plenary meetings.</li> <li>» Dissemination RDA Plenary Outcomes.</li> </ul>	<ul style="list-style-type: none"> <li>» Thought leaders RDA communities called to facilitate communication and engagement with data practitioners and organisations.</li> <li>» Reflect back from RDA Communities to inform RDA's future agenda.</li> </ul>	<ul style="list-style-type: none"> <li>» Carry out small scale projects to demonstrate take-up of RDA's outputs and ICT Technical Specifications.</li> </ul>	<ul style="list-style-type: none"> <li>» Engage with research community.</li> <li>» Support national agendas.</li> <li>» Contribute to the EU Open Science Strategy.</li> <li>» Increase the uptake of standards and participation in RDA globally.</li> </ul>

**751,000 €  
dedicated to  
cascading  
grants**



# Open Calls for Adoption Grants

RDA Europe 4.0 is offering 8 grants to **support the adoption of RDA Recommendations and Outputs.**

## Who can apply?

- ❖ Active organisations who can demonstrate take-up of RDA's outputs and ICT Technical Specifications.

Find out more about the grants and how to apply!  
[grants.rd-alliance.org](https://grants.rd-alliance.org)

## CALL FOR ADOPTION GRANTS AT A GLANCE

Each grant up to **15,000€**

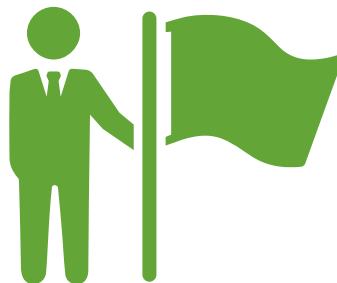
Total number of grants: **8**

### One wave:

- ❖ October - December 2018

### Expected outputs:

- ❖ Carry out small-scale projects to demonstrate and disseminate adoption of RDA's outputs and ICT Technical Specifications.



# Open Calls for Ambassadors

RDA Europe 4.0 is offering **financial support to become an RDA Europe Ambassador.**

## Who can apply?

- ❖ Recognised domain experts and skilled communicators.
- ❖ Influencers engaging collaborators across different data communities, particularly your domain/discipline specific community(-ies).
- ❖ Part of an active data community with a good understanding of the European Data Infrastructures landscape.

Find out more about the grants and how to apply!

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

## CALL FOR AMBASSADORSS AT A GLANCE

Each grant up to **7,000€**

Total number of grants: **12**

### Two waves:

- ❖ September - November 2018
- ❖ February - April 2019

### Expected outputs:

- ❖ Facilitate communication, engagement and uptake with data practitioners and organisations in your domain/discipline.
- ❖ Reflect back from data communities to inform RDA's future agenda.



# Open Calls for Experts & Early Careers to support participation to the RDA Plenary meetings

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- organised around the world every 6 months
- bringing together a unique community of **data science professionals, from multiple disciplines and domains;**
- move the community forward in **creating tangible deliverables** that improve data sharing across disciplines, technologies, and countries;
- working meetings of **RDA Working & Interest groups** and new potential groups through **Birds of a Feather** meetings
- presentation of new **Outputs and Adoption** cases



# 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)



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# 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)

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# Open Calls for Experts & Early Careers

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

**7 grants of maximum €1750**

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

**5 grants of maximum €1800**



*A continuous open call for evaluators is also available [grants.rd-alliance.org](https://grants.rd-alliance.org)*

# Join RDA Europe Events



 **DIGITAL INFRASTRUCTURES**  
for **RESEARCH 2018**  
Serving the user base  
**Venue:** ISCTE University  
Institute of Lisbon, Portugal  
**9-11 October 2018**

## Save the Date

[www.digitalinfrastructures.eu](http://www.digitalinfrastructures.eu)

# ICT 2018

IMAGINE DIGITAL  
CONNECT EUROPE

# Join/become an European National Nodes

EU National Nodes receive “seed funding” from RDA Europe 4.0 grant.

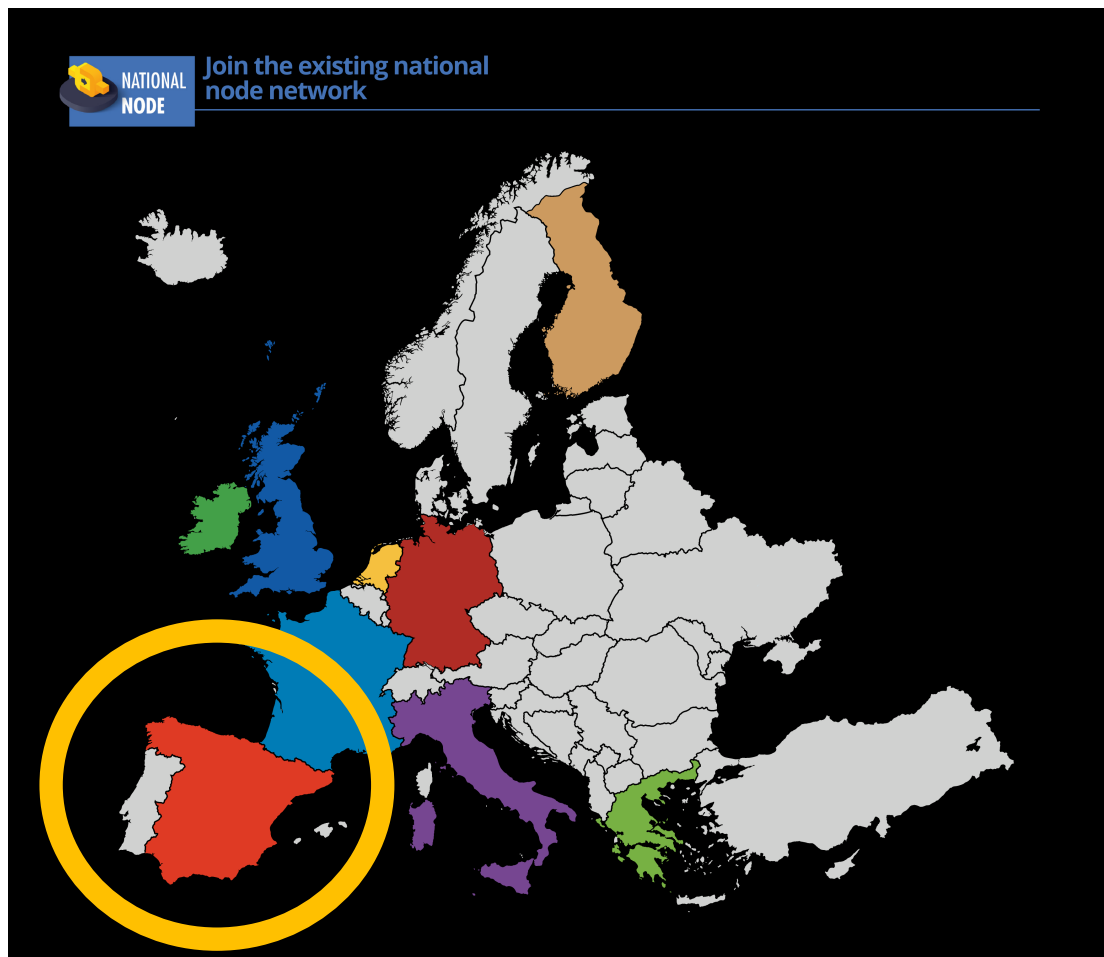
## 9 nodes established

With 3 calls to fund a further 13 nodes:

1<sup>st</sup> Call: May-Aug 2018 (3)

**2<sup>nd</sup> Call: Jan-April 2019 (7)**

3<sup>rd</sup> Call: June-Sept 2019 (3)



# Regional Engagement

As the RDA community rapidly grows, **strong partnerships with its Regional members** are crucial to its success as an international organisation.

Regional Engagement Task Force to define **complementary and mutually-beneficial relationship** between RDA and its Regions.

**November 2018** (Gaborone @ IDW2018 & RDA 12<sup>th</sup> Plenary meeting) presentation of RDA regional engagement strategy & partnership agreement outline.

## Definition of an RDA region

*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.



# Utility of RDA for data-driven challenges in HPC

## RDA role's and relevance in HPC

- The importance of **early career engagement and opportunities**
- Long tail sciences are not so well organized, and an organization like RDA can provide a vehicle where **within-discipline and across-discipline sharing and interoperability can take place.**
- **Provenance:** Large-scale scientific computations are often organized as a composition of many computational tasks linked through data flow. [www.rd-alliance.org/groups/provenance-patterns-wg](http://www.rd-alliance.org/groups/provenance-patterns-wg)
- **Science Reproducibility**

➤ ...

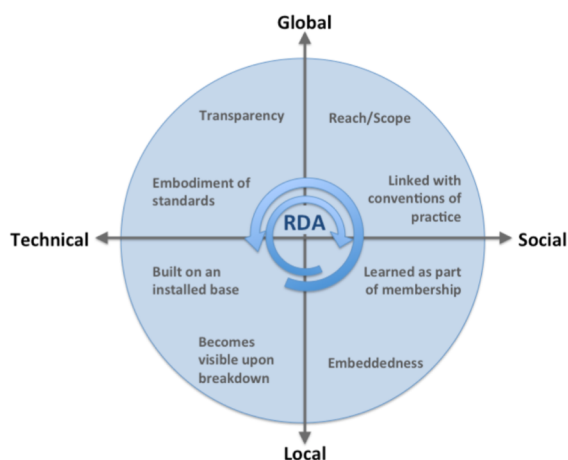


Figure 1. RDA in the ecology of infrastructure. Derived from F. Millerand based on S. L. Star & K. Ruhleder (1996)

## Engagement opportunities

- Join / set up a IG/WG [rd-alliance.org/groups](http://rd-alliance.org/groups)
- Participate in the upcoming RDA plenaries [www.rd-alliance.org/plenaries](http://www.rd-alliance.org/plenaries)
- Apply to an RDA open call: adoption grants, ambassadors, ECRs, experts [grants.rd-alliance.org](http://grants.rd-alliance.org)
- Liaise with and contribute to the Spanish national node (keep an eye on the national page [www.rd-alliance.org/groups/rda-spain](http://www.rd-alliance.org/groups/rda-spain))

RDA and 12th RES  
Users' Meeting  
20 September 2018  
Valencia, Spain

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>

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