

Data openness through scientific communities of practice

PROFESSOR DR. BETH PLALE

INDIANA UNIVERSITY, USA

PAST CHAIR, RESEARCH DATA ALLIANCE TECHNICAL ADVISORY COMMITTEE

STEERING BOARD, PACIFIC RIM APPLICATIONS AND GRID MIDDLEWARE





Research Data Alliance

RDA is an international organization of over 4000 members globally representing more than 100 countries.

RDA is building the social and technical bridges that enable open sharing of data to achieve its vision of researchers and innovators openly sharing data across technologies, disciplines, and countries to address the grand challenges of society.

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.

RDA members collaborate together regionally and with the global RDA community to tackle numerous infrastructure challenges related to:

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



Who Can Join RDA?

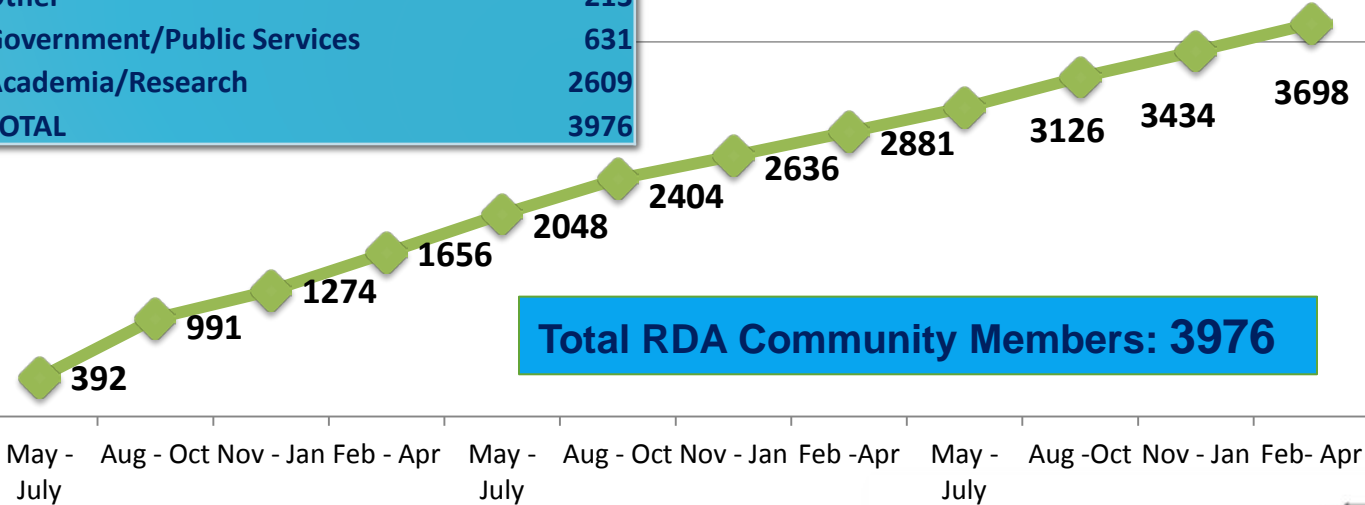
- *Any individual or organization, regardless of profession or discipline, with an interest in reducing the barriers to data sharing and exchange and who agrees to RDA's guiding principles of:*
 - *Openness*
 - *Consensus*
 - *Balance*
 - *Harmonization*
 - *Community-driven*
 - *Non-profit and technology-neutral*



Membership is free @ <http://www.rd-alliance.org/user/register>

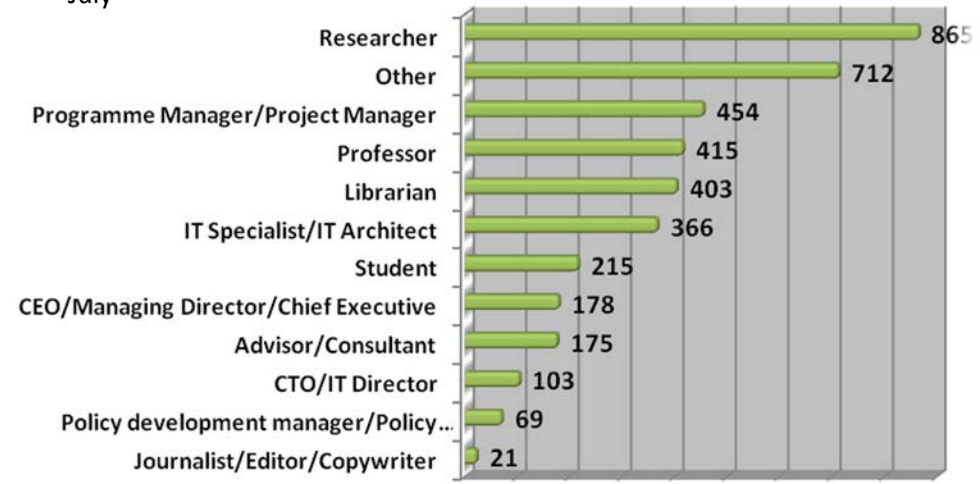
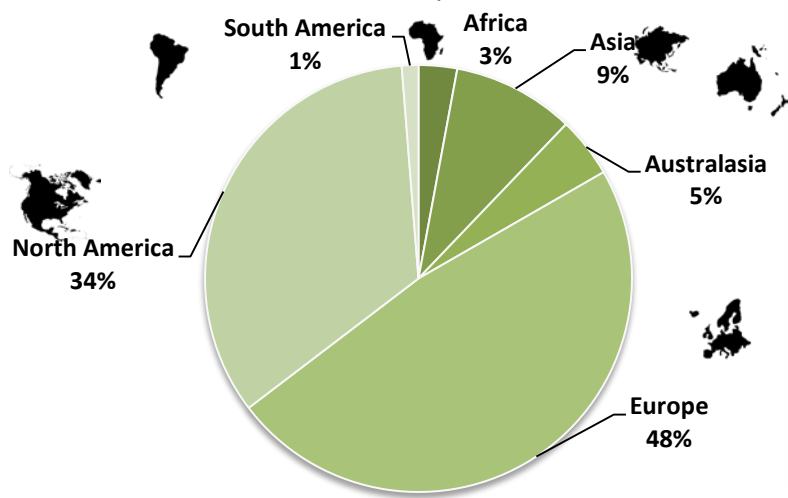
| Type | Members (April 2016) |
|-----------------------------|----------------------|
| Press & Media | 25 |
| Policy/Funding Agency | 59 |
| Large Enterprise | 90 |
| IT Consultancy/Development | 126 |
| Small and Medium Enterprise | 223 |
| Other | 213 |
| Government/Public Services | 631 |
| Academia/Research | 2609 |
| TOTAL | 3976 |

Who is RDA?



Total RDA Community Members: 3976

from 110 countries



Making data sharing work in the era of Open Science

First in Asia

RDA 7th Plenary in Tokyo, Japan

March 1st to 3rd, 2016

Data Sharing Symposium - pre-RDA Plenary

February 29th, 2016



7 RDA Recommendations/outputs presented:



- Repository Audit and Certification DSA–WDS
- RDA/WDS Publishing Data Bibliometrics
- RDA/WDS Publishing Data Services
- RDA/WDS Publishing Data Workflows
- Wheat Data Interoperability Recommendations
- RDA/CODATA Summer Schools in Data Science and Cloud Computing in the Developing World Interim Recommendations
- Brokering Governance Interim Recommendations
- **11 adoption presentations**

357 attendees
from 33
countries



Japan Science and Technology Agency

- 30 international speakers over 5 plenary sessions
- 7 outputs & 11 adoption cases
- 8 Working Group meetings
- 25 Interest Group meetings
- 10 Birds of a Feather
- 9 Joint meetings
- 2 Organisational Member meetings
- RDA for Newcomers Meeting

INTERNATIONAL DATA WEEK 2016

WWW.INTERNATIONALDATAWEEK.ORG

Organized by:



11-17 SEPTEMBER 2016 - DENVER, COLORADO, US



SCIDATACON 2016-ADVANCING THE FRONTIERS OF DATA IN RESEARCH

addressing a range of fundamental issues around the 'Data Revolution' and the data-driven transformation of research.



INTERNATIONAL DATA FORUM

discussing the major opportunities and challenges of the data revolution, from 'Big Data' to 'Open Data.'



8TH RESEARCH DATA ALLIANCE PLENARY MEETING

making concrete progress in technical and social areas on topics related to research data sharing and exchange.

Looking forward to seeing you ALL there

Pacific Rim communities of practice: PRAGMA and CENTRA

Mid-sized communities of scientists and educators across the Pacific Rim who gather regularly to:

Exchange information

Share tools, models

Apply research ideas to solving problems of societal relevance:

Emergency management and disaster recovery,

Smart and connected cities,

Impact of climate change on small holder agriculture

Changing small farming

Pulsepod sensors and surveys of farmers conducted through cell phones can give farmers more accurate precipitation indicators for their farm

