Research Data Alliance:
Philosophy, Structure, and Governance

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Secretary General

RDA for Newcomers
Tokyo, Japan
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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.

Recommendations that make data work

“Create - Adopt - Use”

- *Adopted code, policy, specifications, standards, or practices that enable data sharing*
- *“Harvestable” efforts for which 12-18 months of work can eliminate a roadblock*
- *Efforts that have substantive applicability to groups within the data community but may not apply to all*
- *Efforts that can start today*

RDA Principles

Openness

Consensus

Balance

Harmonization

Community Driven

Non-profit

“Create - Adopt - Use”

(in 12-18 months)

Adopted Policy

Systems Interoperability

Common Types, Standards, Metadata

Sustainable Economics

Adopted Community Practice

Traffic Image: Mike Gonzalez

Training, Education, Workforce

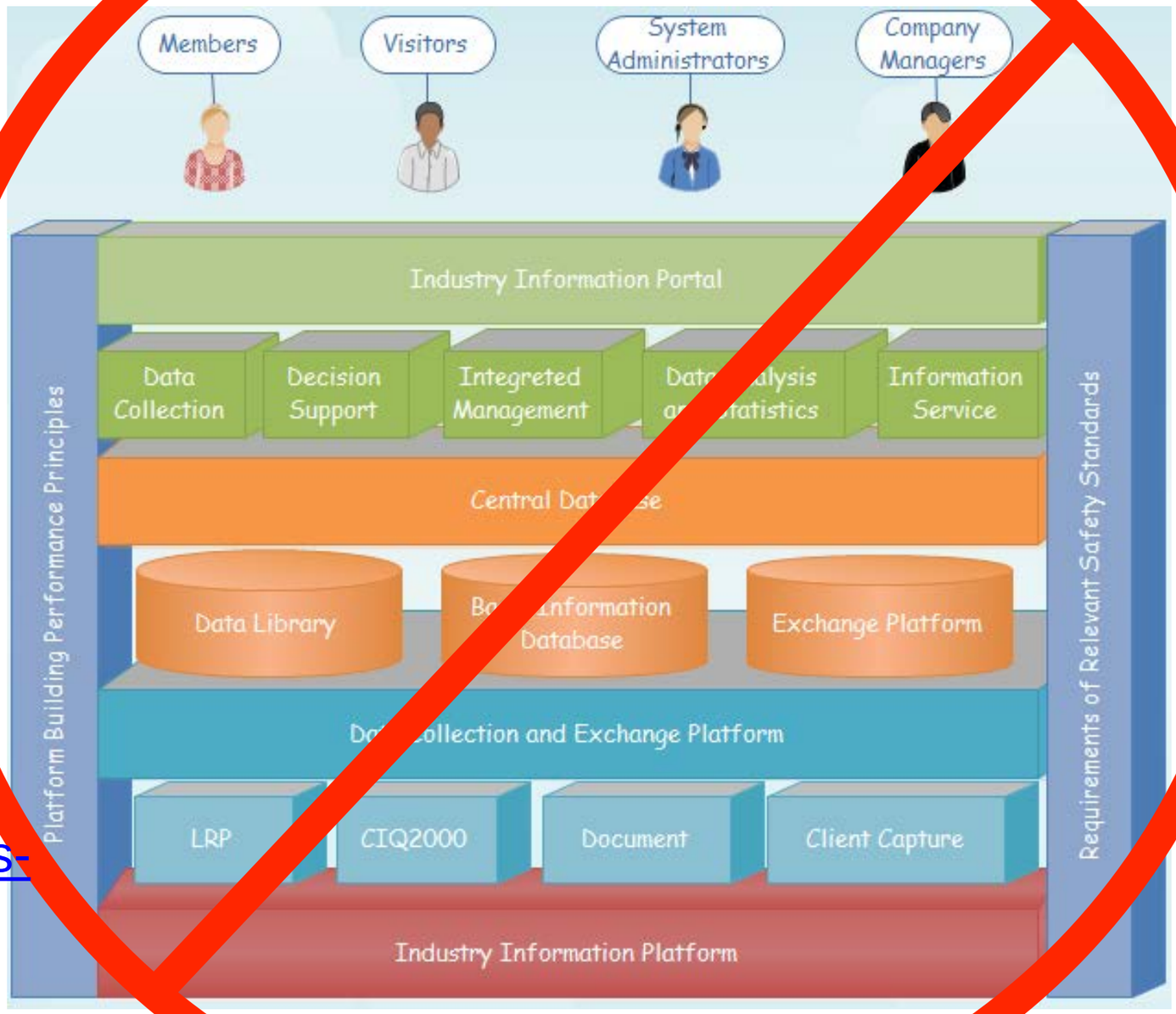
Solving the problem must include adopters in the process.

Image courtesy bigthink.com

Open problem solving is key.

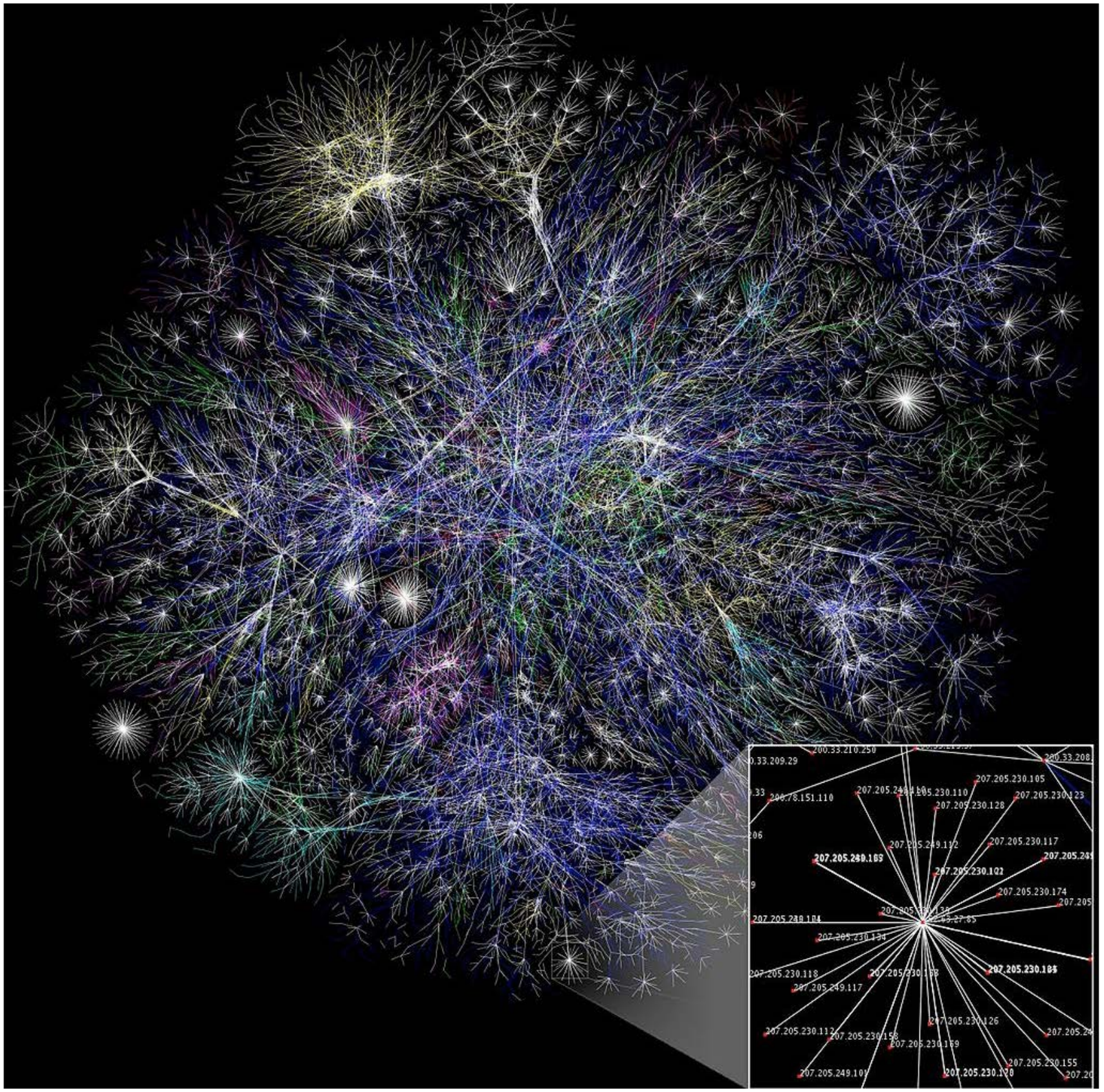
Figure courtesy webbirdmedia.com

No defined architecture.



See Blog post at https://rd-alliance.org/blogs/building-infrastructure-through-strategies-interconnection.html

Figure courtesy edrawsoft.com

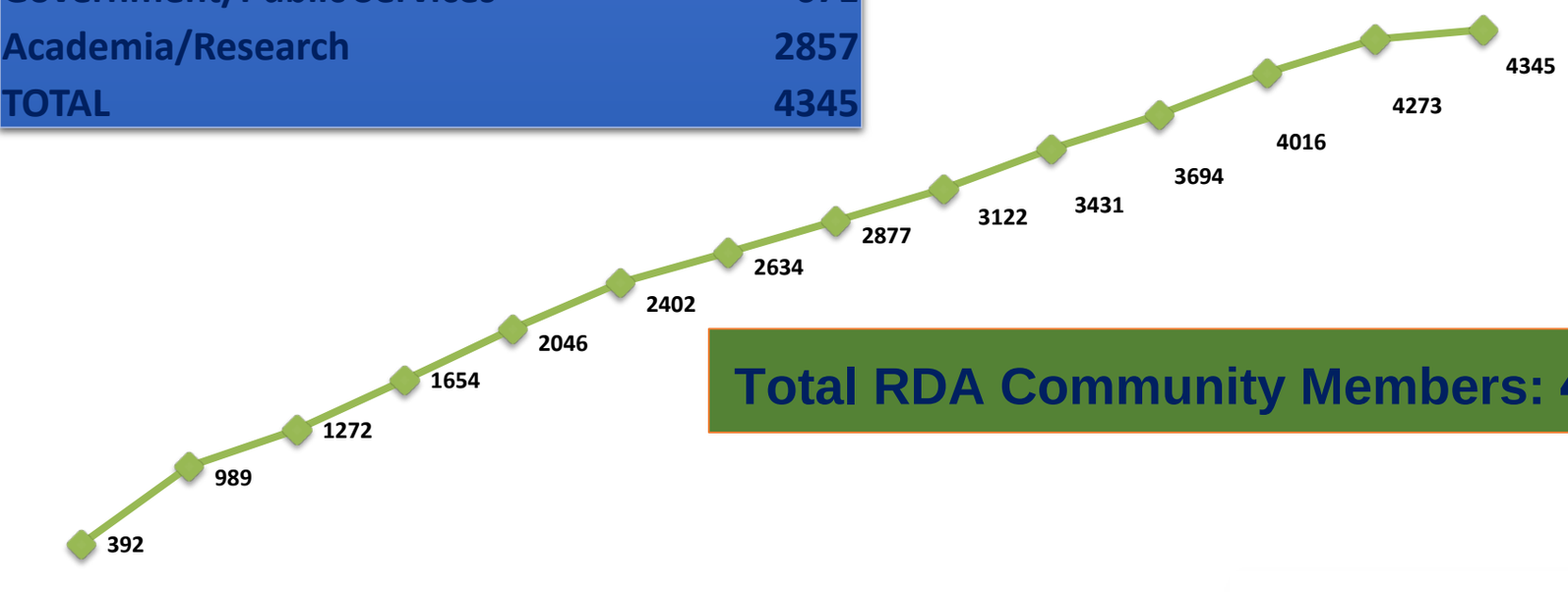


Map of the internet by the Opte Project [CC-BY] via Wikimedia Commons

Who is RDA?

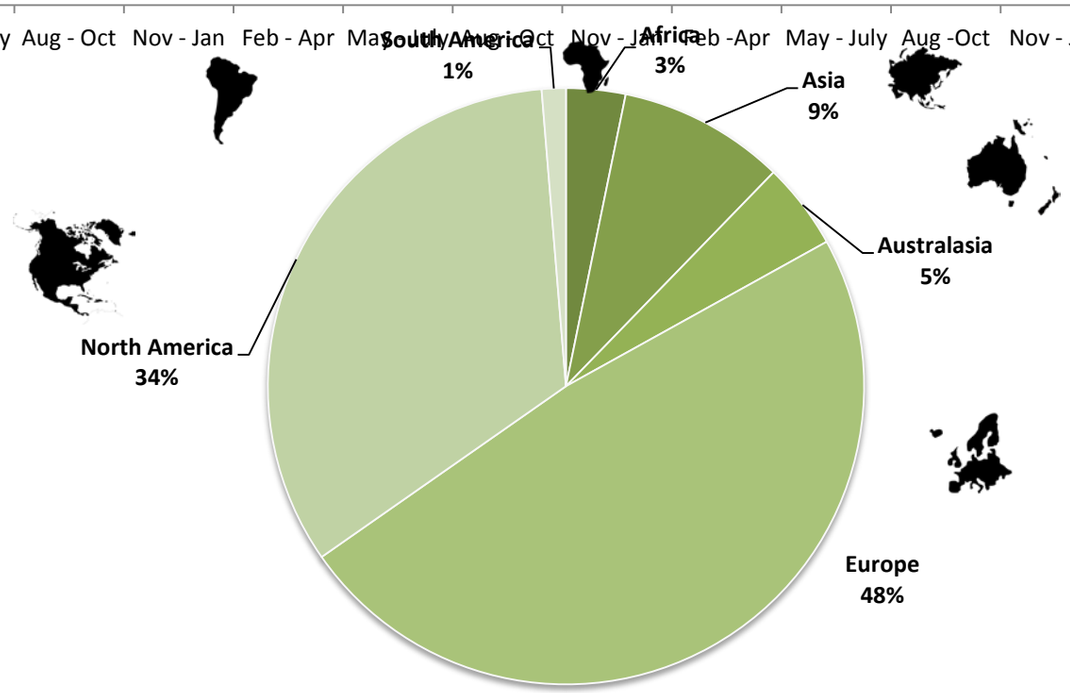
Type	Members (Sept. 2016)
Press & Media	27
Policy/Funding Agency	64
Large Enterprise	99
IT Consultancy/Development	143
Small and Medium Enterprise	249
Other	235
Government/Public Services	671
Academia/Research	2857
TOTAL	4345

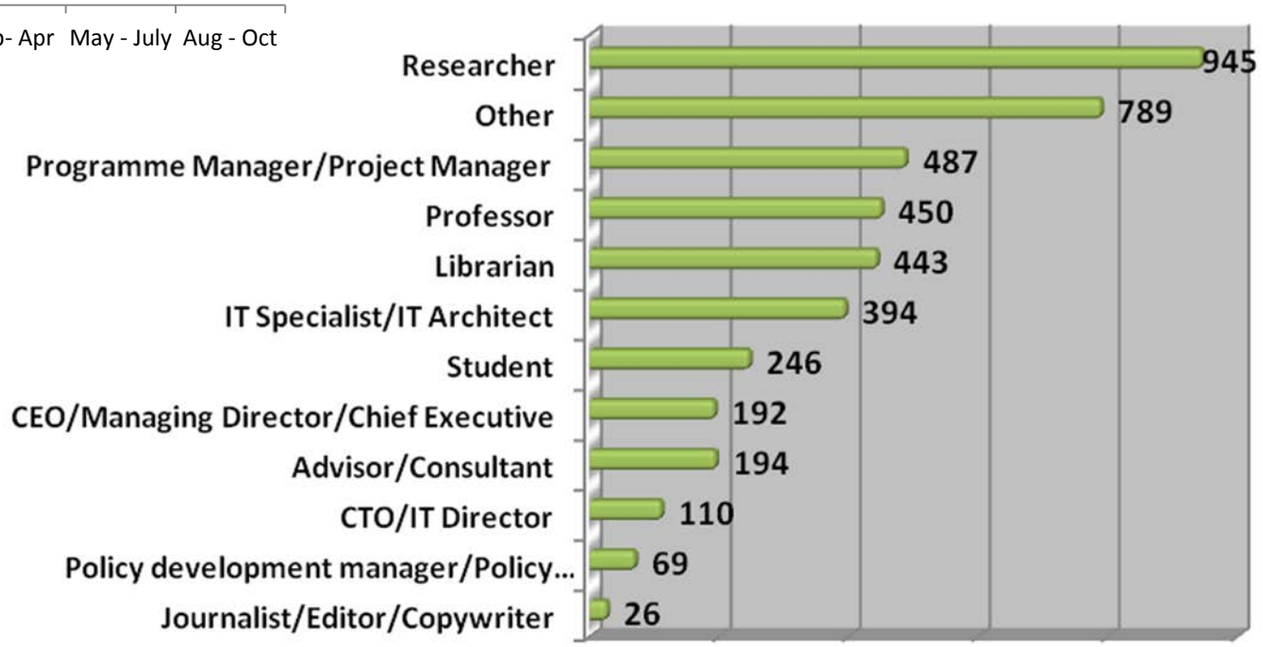
Total 73 groups: 27 Working Groups & 46 Interest Groups



Total RDA Community Members: 4345

from 111 countries





Some themes amidst the difference

1. ***Persistent Identifiers*** *for data, documents, people, organisations, instruments—Everything!*
2. ***Certifying Trust*** *in assertions, evidence, organisations, processes*
3. *The value of* ***Conversations, Relationships, and Mediation*** *— an agile network effect.*

Trust

RDA Membership

Working Groups
implementable, impactful outcomes

Interest Groups
domain coordination, idea generation, maintenance, …

Technical Advisory Board
socio-technical vision and strategy

Secretariat
administration and operations

Organisational Advisory Board
needs, adoption, business advice

Council
organisational vision and strategy

RDA Foundation

Funders Forum

RDA is you … The members … The Community

- *Contributing to acceleration of data infrastructure developm*
- *Working and sharing experiences with collaborators throughout the world*
- *Accessing extraordinary network of colleagues with various levels of experience, perspectives and practices*
- *Gaining greater expertise in data science regardless of whether one is a student, early or seasoned career professional*
- *Enhancing the quality and effectiveness of personal work and activities*
- *Improving competitive advantage professionally and positioning oneself for leadership within the broader research community*
- *Creating, managing & driving RDA Working & Interest groups with fellow global colleagues and Commenting on Outputs*

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RDA Secretariat

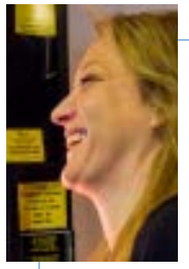
Responsible for the administration and daily operations.

Contact: secretariat@rda-groups.org

Mark Parsons - Secretary General

Timea Biro - RDA/EU and Trust-IT Services Ltd.

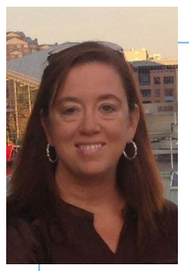
Kathy Fontaine – volunteer, Rensselaer Polytechnic Institute



Hilary Hanahoe – RDA/EU and Trust-IT Services Ltd

Fotis Karayannis – RDA/EU and ATHENA Research Center

Stefanie Kethers – Australian National Data Service



Yolanda Meleco - RDA/US and Rensselaer Polytechnic Institute

Sara Pittonet Gaiarin – RDA/EU and Trust IT Services Ltd

Lynn Yarmey– RDA/US and Rensselaer Polytechnic Institute

TAB Members

Wenbo Chu National Science and Technology Infrastructure Center of China

Simon J D Cox CSIRO Australia

Stephen Diggs - Scripps Institution of Oceanography (SIO)

Ingrid Dillo Data Archiving and Networked Services

Peter Fox - Tetherless World Constellation Chair

Françoise Genova - Strasbourg Astronomical Data Centre CDS (TAB co-chair)

Larry Lannom Corporation for National Research Initiatives

Carole Palmer Information School at the University of Washington

Susanna-Assunta Sansone University of Oxford e-Research Centre

Rainer Stotzka Karlsruhe Institute of Technology

Andrew Treloar Australian National Data Service (TAB co-chair)

Peter Wittenburg Max Planck Computing and Data Facility

Technical Advisory Board (TAB)

- Responsible for the technical direction of the RDA and provides technical expertise and advice to Council, as well as helping to develop and review RDA Working and Interest Groups to promote their impact and effectiveness.
- TAB members normally serve for a term of 3 years and may be re-elected. Each year, approximately one-third of the TAB stand down and their positions will be filled by election. TAB Representatives are elected by RDA membership.
- TAB Election: opens today!

Contact: tab@rda-groups.org

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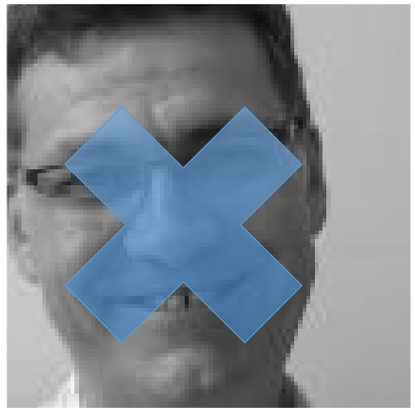

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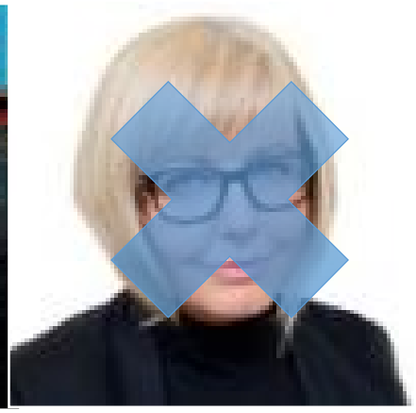


Rainer Stotzka Karlsruhe Institute of Technology

Andrew Treloar Australian National Data Service (TAB co-chair)

Peter Wittenburg Max Planck Computing and Data Facility

TAB Election

REGION: AMERICAS

Dr. Karl Benedict

Organization Name:	University of New Mexico, College of University Libraries and Learning Sciences
Professional Title:	Librarian
Country:	United States
Region:	Americas
Discipline:	Natural sciences
Role:	Data Manager

Mr. Paul Uhlir

Organization Name:	National Academy of Sciences
Professional Title:	Advisor/Consultant
Country:	United States
Region:	Americas
Discipline:	Social sciences
Role:	Data Policy Maker

REGION: ASIA AND OCEANIA

Prof. Devika Madalli

Organization Name:	Indian Statistical Institute
Professional Title:	Professor
Country:	India
Region:	Asia and Oceania
Discipline:	Social Sciences
Role:	Other

Cast your votes here

https://www.rd-alliance.org/tab-member-election-2016

REGION: EUROPE AND AFRICA

Mrs. Helen Glaves

Organization Name:	British Geological Survey
Professional Title:	Programme Manager/Project Manager
Country:	United Kingdom
Region:	Europe and Africa
Discipline:	Social Sciences
Role:	Data Manager

Dr. Ralph Müller-Pfefferkorn

Organization Name:	Technische Universitat Dresden, Center for Information Services and High Performance Computing
Professional Title:	IT Specialist/IT Architect
Country:	Germany
Region:	Europe and Africa
Discipline:	Engineering and technology
Role:	Data Tecnologist

Mr. Mervyn O'Luing

Organization Name:	The Insight Centre for Data Analytics
Professional Title:	Student
Country:	Ireland
Region:	Europe and Africa
Discipline:	Natural sciences
Role:	Data User

Prof. Giacomo Pongiglione

Organization Name:	Self employed
Professional Title:	Professor
Country:	Italy
Region:	Europe and Africa
Discipline:	Medical and Health Sciences
Role:	Data User

Dr. Rainer Stotzka

Organization Name:	Karlsruhe Institute of Technology
Professional Title:	Researcher
Country:	Germany
Region:	Europe and Africa
Discipline:	Engineering and technology
Role:	Data Generator

Dr. Tobias Weigel

Organization Name:	German Climate Computing Center (DKRZ)
Professional Title:	IT Specialist/Researcher
Country:	Germany
Region:	Europe and Africa
Discipline:	Natural sciences
Role:	Data User

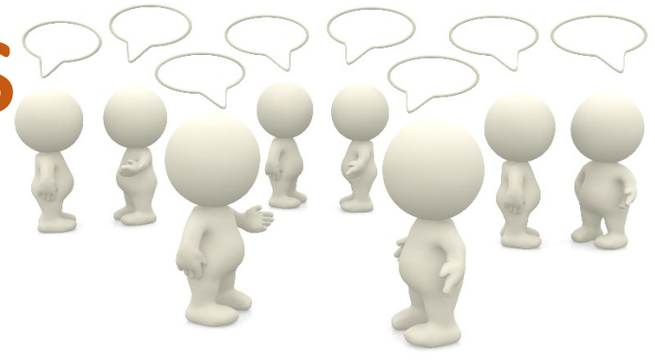
Organisational & Affiliate Members

44 RDA Organisational Members

6 RDA Affiliate Members

https://rd-alliance.org/organisation/rda-organisation-affiliate-members.html

Why do global organisations join RDA?



- *To provide an organizational perspective on the work of RDA and ability to influence RDA's direction*
- *To assist in implementation of RDA Outputs*
- *To participate in all RDA Organizational assembly meetings*
- *To receive regular updates on the work of the RDA*
- *To attend Organizational Assembly meetings and vote on proposed policies for consideration by the RDA Council and for members of the Organizational Advisory Board*
- *To provide advice to the Council through the Organizational Advisory Board*
- *To be recognized on the RDA Website and at RDA Meetings as a supporter of data interoperability*

RDA Council

Responsible for the oversight, sustainability, and overall success of RDA, including approval of candidate Working and Interest Groups to ensure alignment with RDA goals.

Fran Berman - Co-Chair, RDA Council & Chair, RDA/US Distinguished Professor of Computer Science, Rensselaer Polytechnic Institute

Patrick Cocquet - Chief Executive Officer, Cap Digital

Jean-Bernard Minster – Professor, Scripps Institution of Oceanography

Kay Raseroka - Independent consultant and Trainer, IFLA Building Strong Library Associations

Satoshi Sekiguchi - Deputy Director General, Directorate for Information Technology and Electronics, AIST

Michael Stanton - Director of Research and Development at the Brazilian NREN (RNP)

Doris Wedlich - Chief Science Officer, Karlsruhe Institute of Technology

Ross Wilkinson - Executive Director, Australian National Data Service

John Wood - Co-chair, RDA Council & Secretary General of the Association of Commonwealth Universities

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INTERNATIONAL DATA WEEK 2016

WWW.INTERNATIONALDATAWEEK.ORG

Organized by:

RDA RESEARCH DATA ALLIANCE

CODATA ISU

ICSU WORLD DATA SYSTEM

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

www.rd-alliance.org
@resdatall

RESEARCH DATA ALLIANCE

RDA 9th Plenary Meeting

5-7 April 2017, Barcelo Sants Hotel, Barcelona, Spain

RESEARCH DATA ALLIANCE

Organised by Barcelona Supercomputing Center (BSC) with the support of RDA Europe

Barcelona Supercomputing Center
Centro Nacional de Supercomputación

RESEARCH DATA ALLIANCE EUROPE

https://rd-alliance.org/plenary-meetings/rda-ninth-plenary-meeting.html

RDA in a Nutshell

RDA Global

Email - enquiries@rd-alliance.org

Web - www.rd-alliance.org

Twitter - @resdatall

LinkedIn - www.linkedin.com/in/ResearchDataAlliance

Slideshare - http://www.slideshare.net/ResearchDataAlliance

Facebook - https://www.facebook.com/pages/Research-Data-Alliance/459608890798924

RDA Europe

Email - info@europe.rd-alliance.org

Web - europe.rd-alliance.org

Twitter - @RDA_Europe

RDA US

Twitter - @RDA_US