



The RDA Structure and Governance

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Secretary General

RDA for Newcomers
San Diego, California, USA
8 March 2015



All of society's **grand challenges require** diverse
(often large) **data** to to be shared and integrated
across cultures, scales, and technologies.

Research Data Alliance

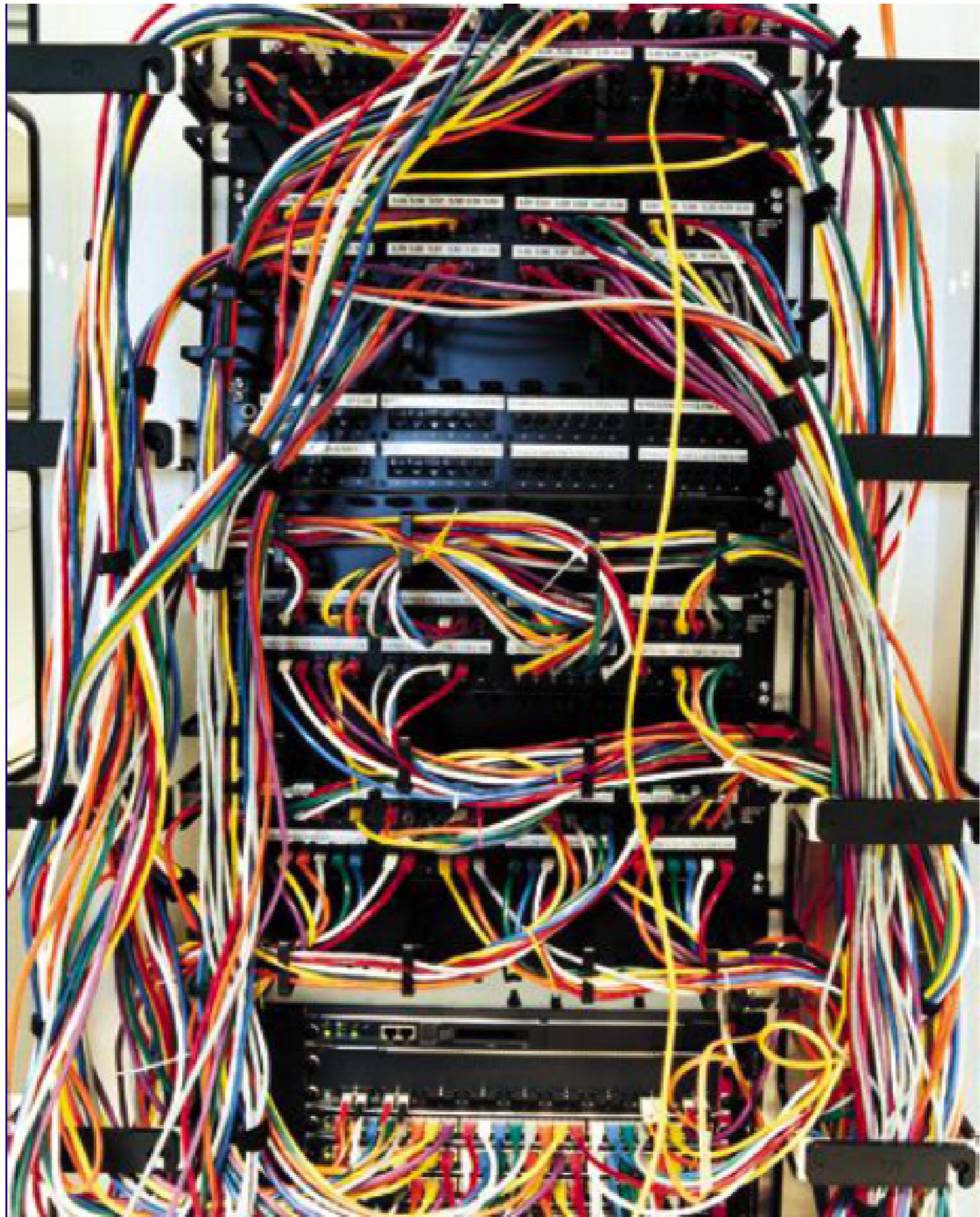


Vision

Researchers and innovators openly share data across technologies, disciplines, and countries to address the grand challenges of society.

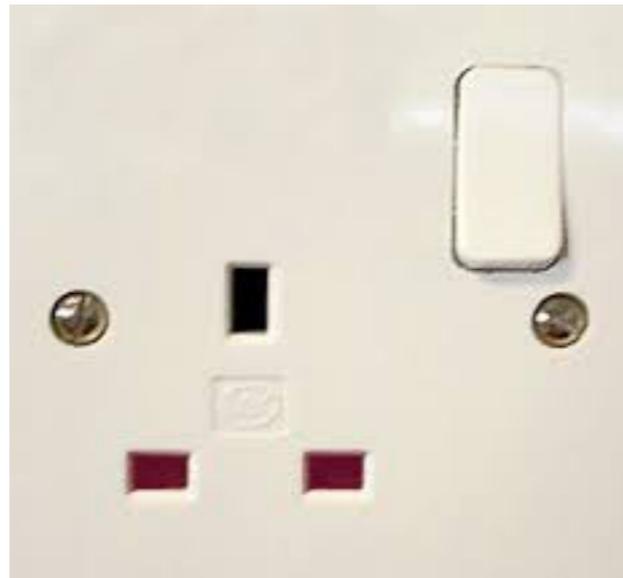
Mission

RDA builds the **social and technical bridges** that enable open sharing of data.







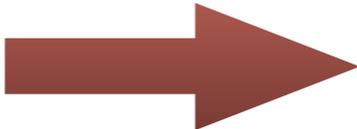




Dynamics of Infrastructure

Edwards, et al. 2007 Understanding Infrastructure: Dynamics, Tensions, and Design.



- Infrastructures become “ubiquitous, accessible, reliable, and transparent” as they mature.
- Systems  Networks  Inter-networks
 - “system-building, characterized by the deliberate and successful design of technology-based services.”
 - “technology transfer across domains and locations results in variations on the original design, as well as the emergence of competing systems.”
 - Finally, “a process of **consolidation characterized by gateways** that allow dissimilar systems to be linked into **networks.**”

Not what, but

When is infrastructure?

Not what, but

When and

Who is infrastructure?

Bridges and Gateways

Gateways are often wrongly understood as “technologies,” i.e. hardware or software alone. A more accurate approach conceives them as combining **a technical solution with a social choice**, i.e. a standard, both of which must be integrated into existing users’ communities of practice. Because of this, gateways rarely perform perfectly.

— Edwards et al. 2007



Deliverables 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

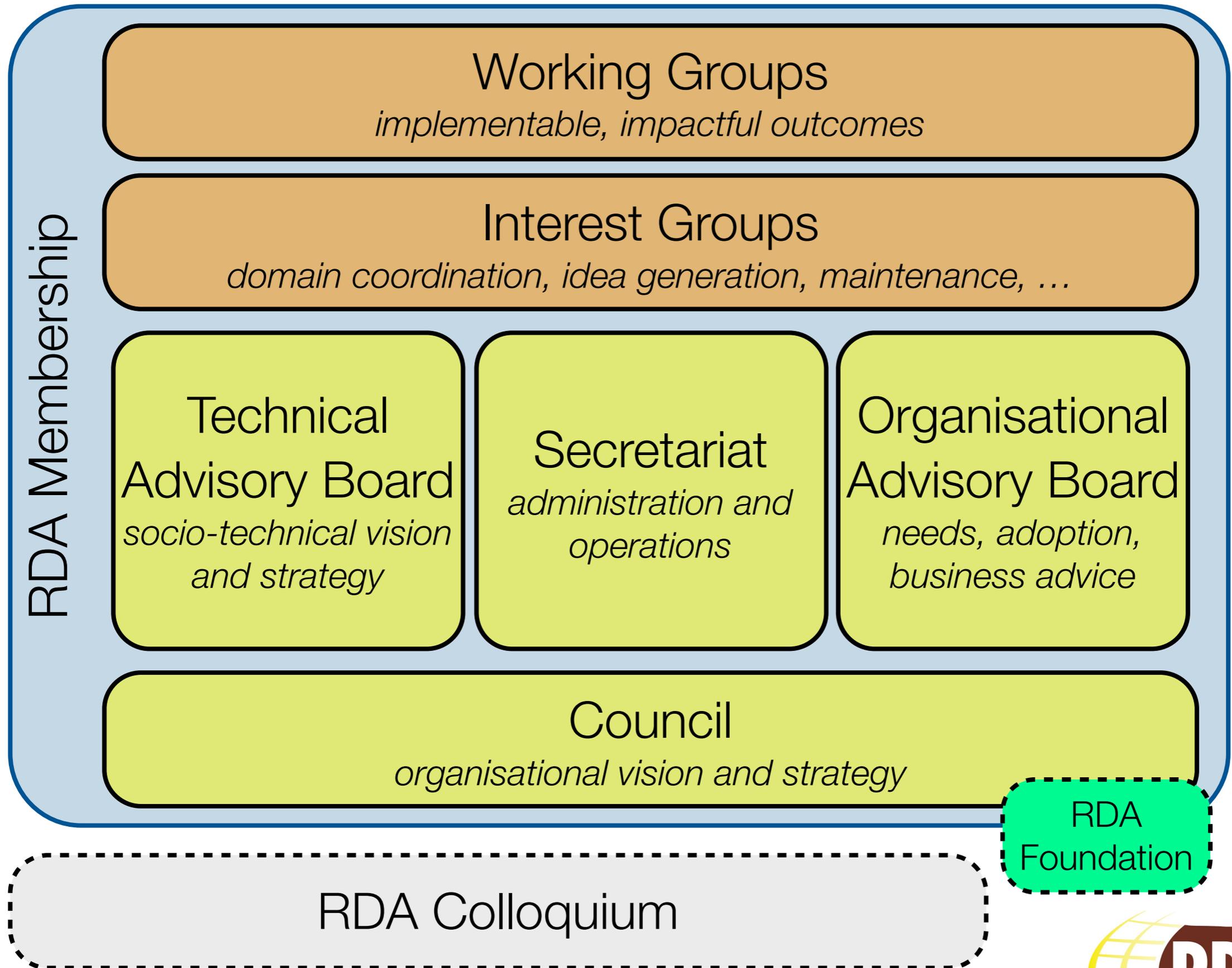
Consensus

Balance

Harmonization

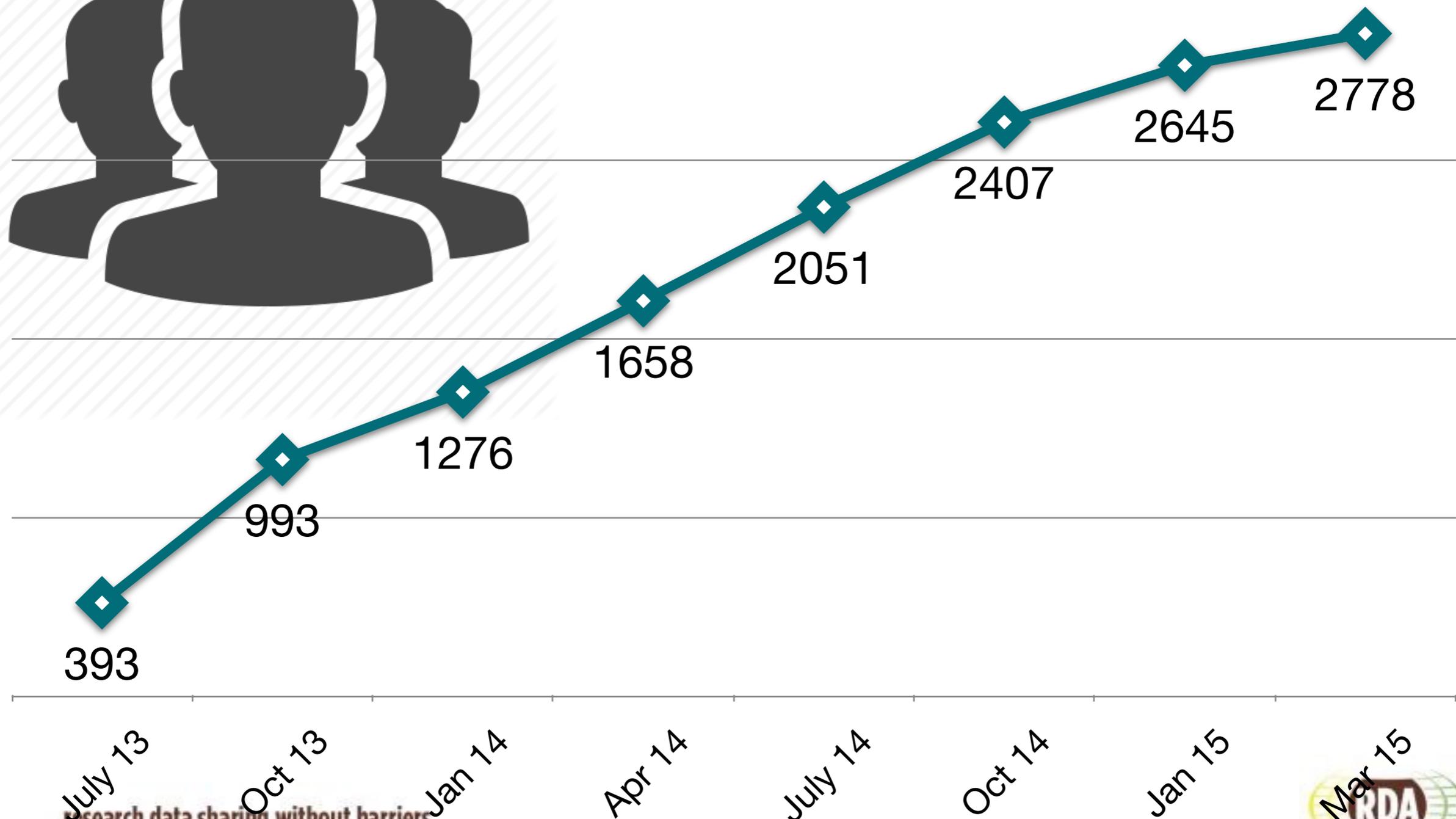
Community Driven

Non-profit

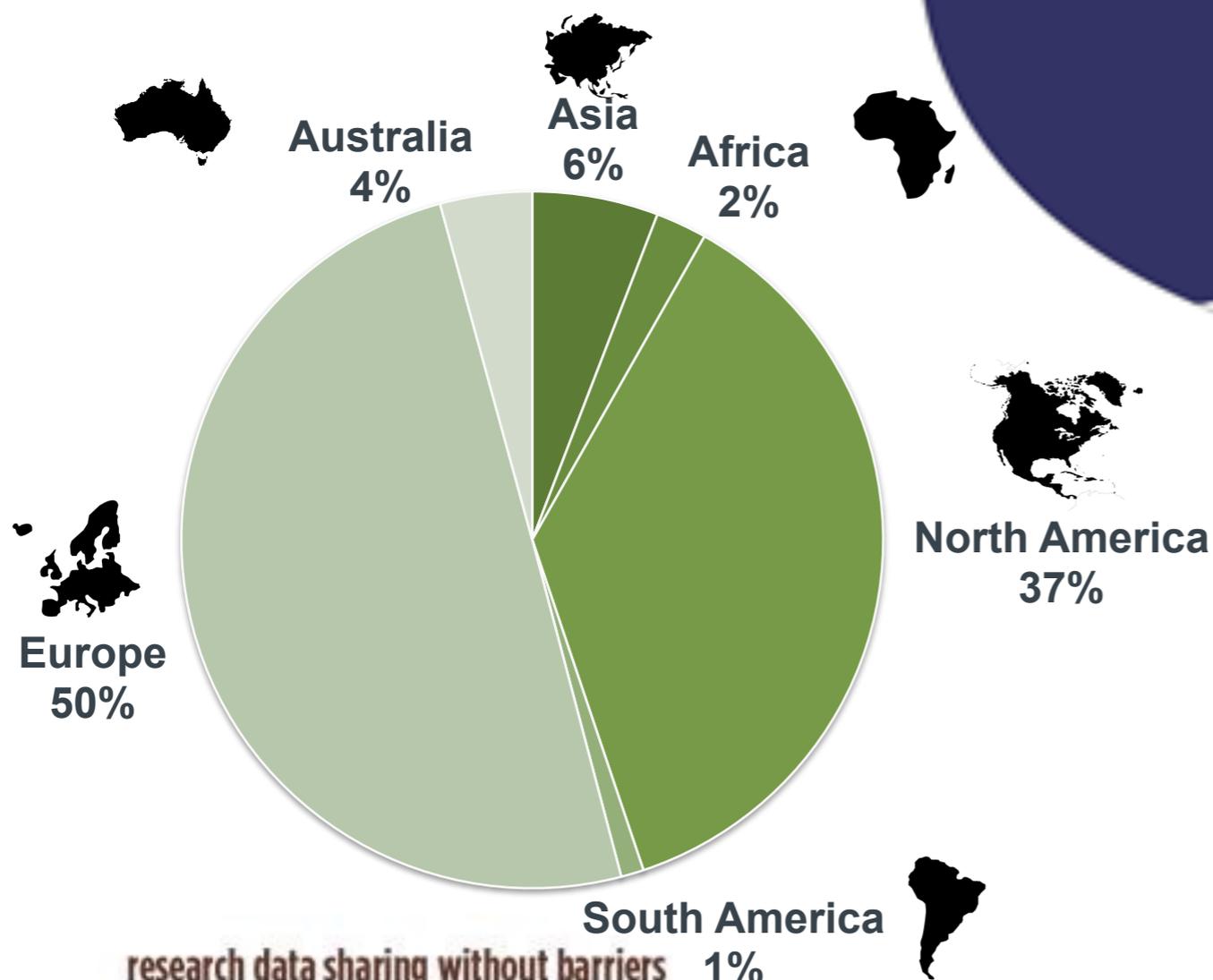
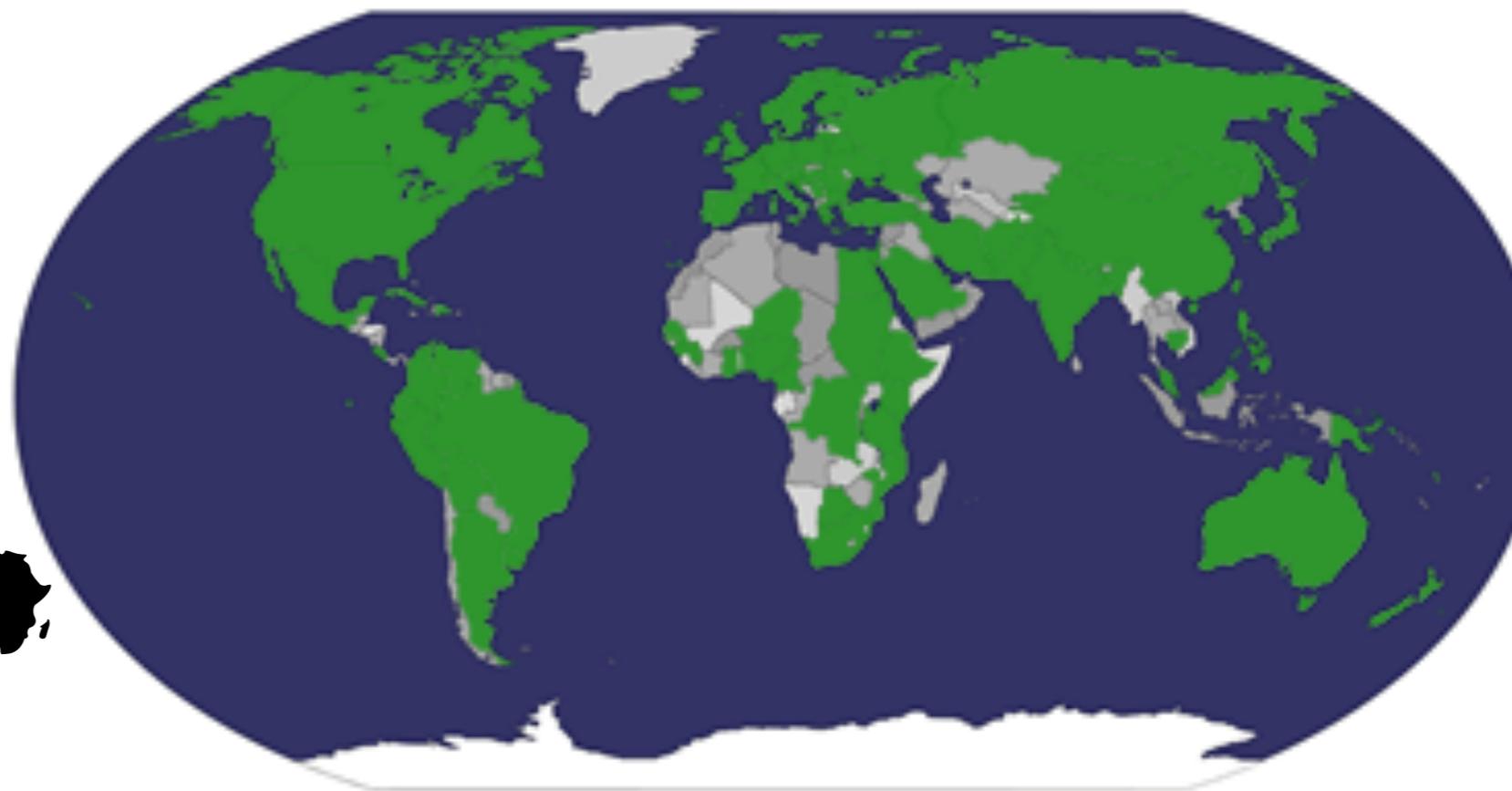


How RDA is growing?

Total RDA Community Members: **2778**



RDA Members from 95 countries



Precipitous Growth



RDA Plenary 1 / Launch
Gothenburg, Sweden

First Working Groups and Interest Groups

First “neutral space” community meeting (Data Citation Summit)

First Organizational Partner Meet-up

First BOFs

380 participants from 22 countries

First Organizational Assembly

6 co-located events

14 BOF, 12 Working Groups, 22 Interest Groups

497 Participants from 32 countries

First RDA Deliverables presented

Organizational Assembly and first OAB / Council meeting

10 co-located events

11 BOF, 14 Working Groups, 36 Interest Groups

550 Participants from 40 countries

Global Data Planning Meeting:
October 2012

240 participants

RDA Launch / First Plenary

RDA Second Plenary

RDA Third Plenary

RDA Fourth Plenary

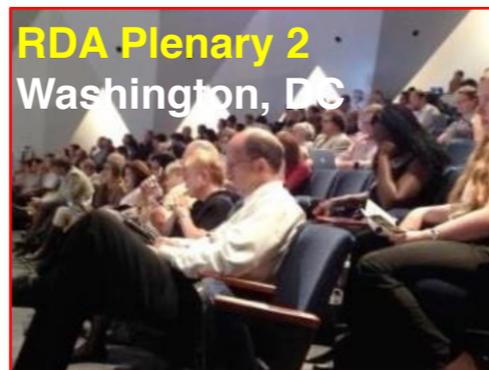
March 2013

September 2013

March 2014

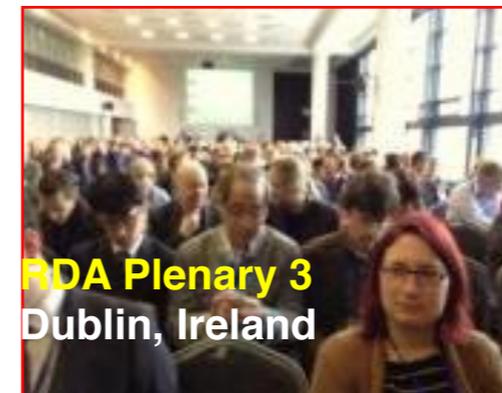
September 2014

First RDA organizational telecon:
August 2012



RDA Plenary 2
Washington, DC

First Working Group exchange meeting



RDA Plenary 3
Dublin, Ireland



RDA Plenary 4
Amsterdam

RDA Interest Groups



1. Agricultural Data Interoperability IG
2. Active Data Management Plans*
3. Big Data Analytics IG
4. Biodiversity Data Integration IG
5. Brokering IG
6. Community Capability Model IG
7. Data Fabric IG
8. Data for Development
9. Data Foundations and Terminology IG*
10. Data in Context IG
11. Development of cloud computing capacity and education in developing world research*
12. Development of cloud computing capacity and education in developing world research
13. Digital Practices in History and Ethnography IG
14. Domain Repositories Interest Group
15. Education and Training on handling of research data
16. ELIXIR Bridging Force IG
17. Engagement IG
18. Federated Identity Management
19. Geospatial IG*
20. Libraries for Research Data
21. Long tail of research data IG
22. Marine Data Harmonization IG
23. Metabolomics
24. Metadata IG
25. PID Interest Group
26. Preservation e-Infrastructure IG
27. Quality of Urban Life Interest Group
28. RDA/CODATA Legal Interoperability IG
29. RDA/CODATA Materials Data, Infrastructure & Interoperability IG
30. RDA/WDS Certification of Digital Repositories IG
31. RDA/WDS Publishing Data Cost Recovery for Data Centres
32. RDA/WDS Publishing Data IG
33. Reproducibility IG
34. Research data needs of the Photon and Neutron Science community
35. Research Data Provenance
36. Service Management IG
37. Structural Biology IG
38. Toxicogenomics Interoperability IG

* in review

RDA Working Groups



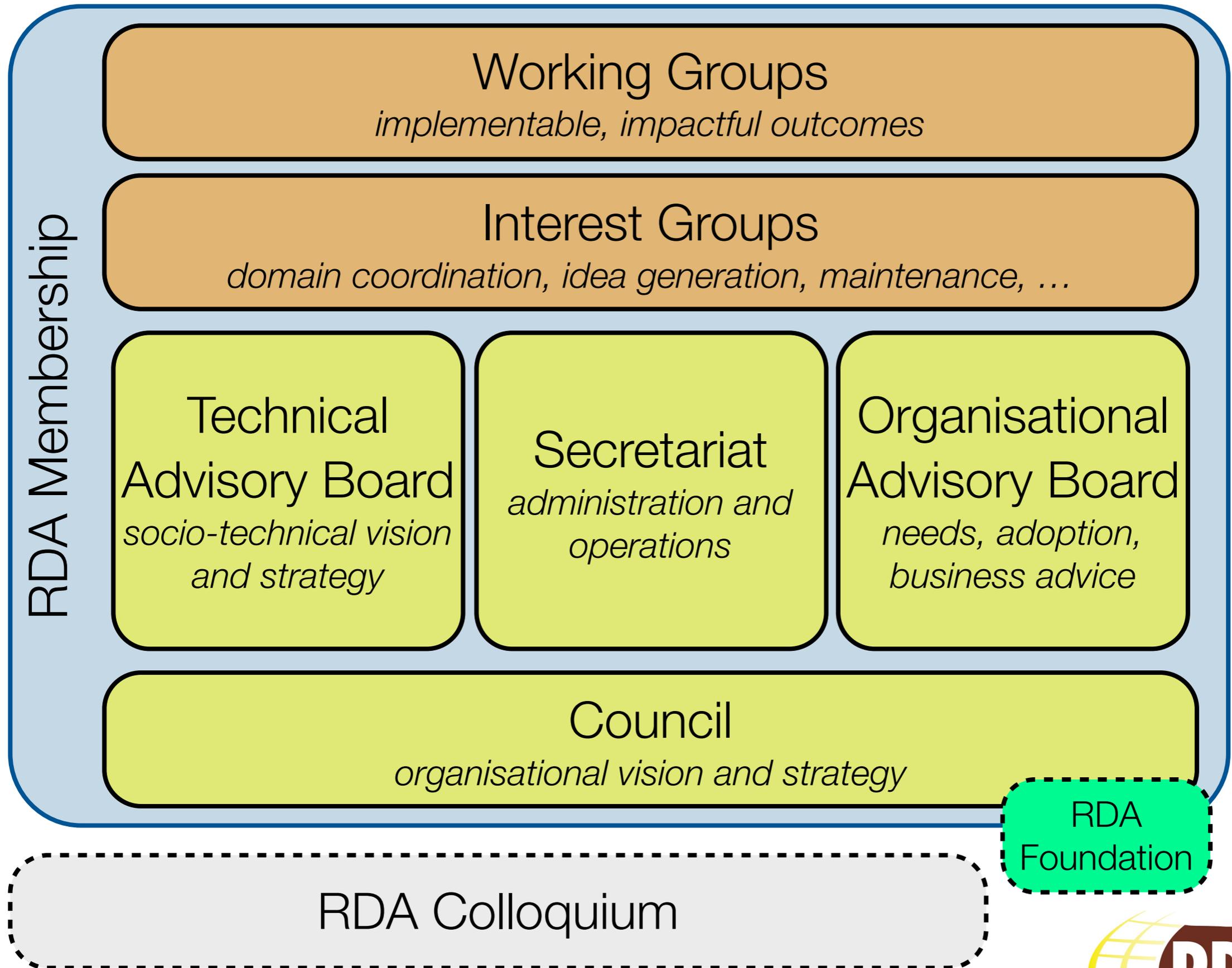
1. Brokering Governance
2. Data Citation WG
3. Data Description Registry Interoperability
4. Data Foundation and Terminology WG
5. Data Type Registries WG
6. Metadata Standards Directory Working Group
7. PID Information Types WG
8. Practical Policy WG
9. RDA/CODATA Summer Schools in Data Science and Cloud Computing in the Developing World
10. RDA/WDS Publishing Data Bibliometrics WG
11. RDA/WDS Publishing Data Services WG
12. RDA/WDS Publishing Data Workflows WG
13. Repository Audit and Certification DSA–WDS Partnership WG
14. Repository Platforms for Research Data*
15. The BioSharing Registry: connecting data policies, standards & databases in life sciences*
16. Wheat Data Interoperability WG

* in review



Initial Products—adopt one today!

- A basic vocabulary of **foundational terminology** and query tool to make sure we know what we're talking about.
- A **data type model and registry** (“MIME-types” for data) to help tools interpret, display, and process data.
- A **persistent identifier type registry** to help search engines understand what they are pointing to and retrieving.
- A basic set of **machine actionable rules** to enhance trust
- Coming soon:
 - A **metadata standards directory** so we can describe similar things consistently
 - A **dynamic-data citation methodology** so we can reference precise subsets of changing data.
 - Semantically linked **terms describing wheat data** so we can share harvest and related information around the world
 - **Services and methods for finding data across multiple registries**, to help cross disciplinary discovery.
 - A **unified repository certification scheme** to reduce confusion and improve trust.



Council



- Fran Berman (US), co-Chair



- Patrick Cocquet (France)



- Tony Hey (US)

- Kaye Raseroka (Botswana)



- Michael Stanton (Brazil)



- Satoshi Takeguchi (Japan)



- Doris Wedlich (Germany)



- Ross Wilkinson (Australia)



- John Wood (UK), co-Chair



Technical Advisory Board



Bridget Almas (US)



Simon Cox (Australia)



Peter Fox (US)



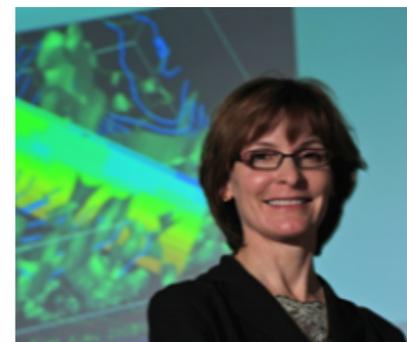
Francoise Genova (France)



Liu Chuang (China)



Carole Palmer (US)



Beth Plale (US), co-Chair



Susanna-Assunta Sansone (UK)



Jamie Shiers (Switzerland)



Rainer Stotzka (Germany)



Andrew Treloar (Australia)
co-Chair



Peter Wittenburg (The Netherlands)

Secretariat

• Hilary Hanahoe



• Fotis Karayannis



• Kathy Fontaine



• Mark Parsons, Sec Gen



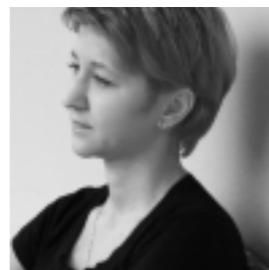
• Herman Stehouwer



• Stefanie Kethers

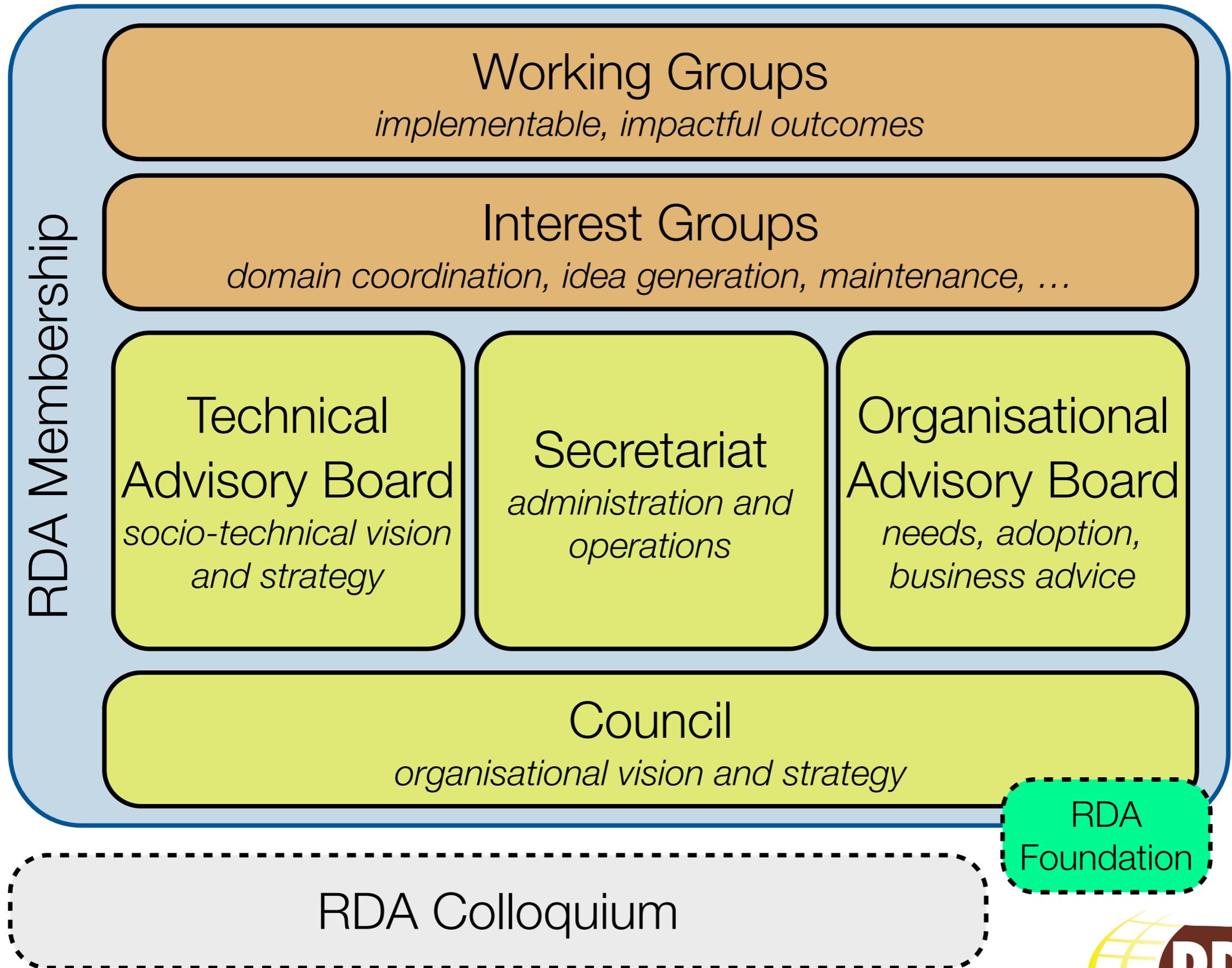


• Timea Biro



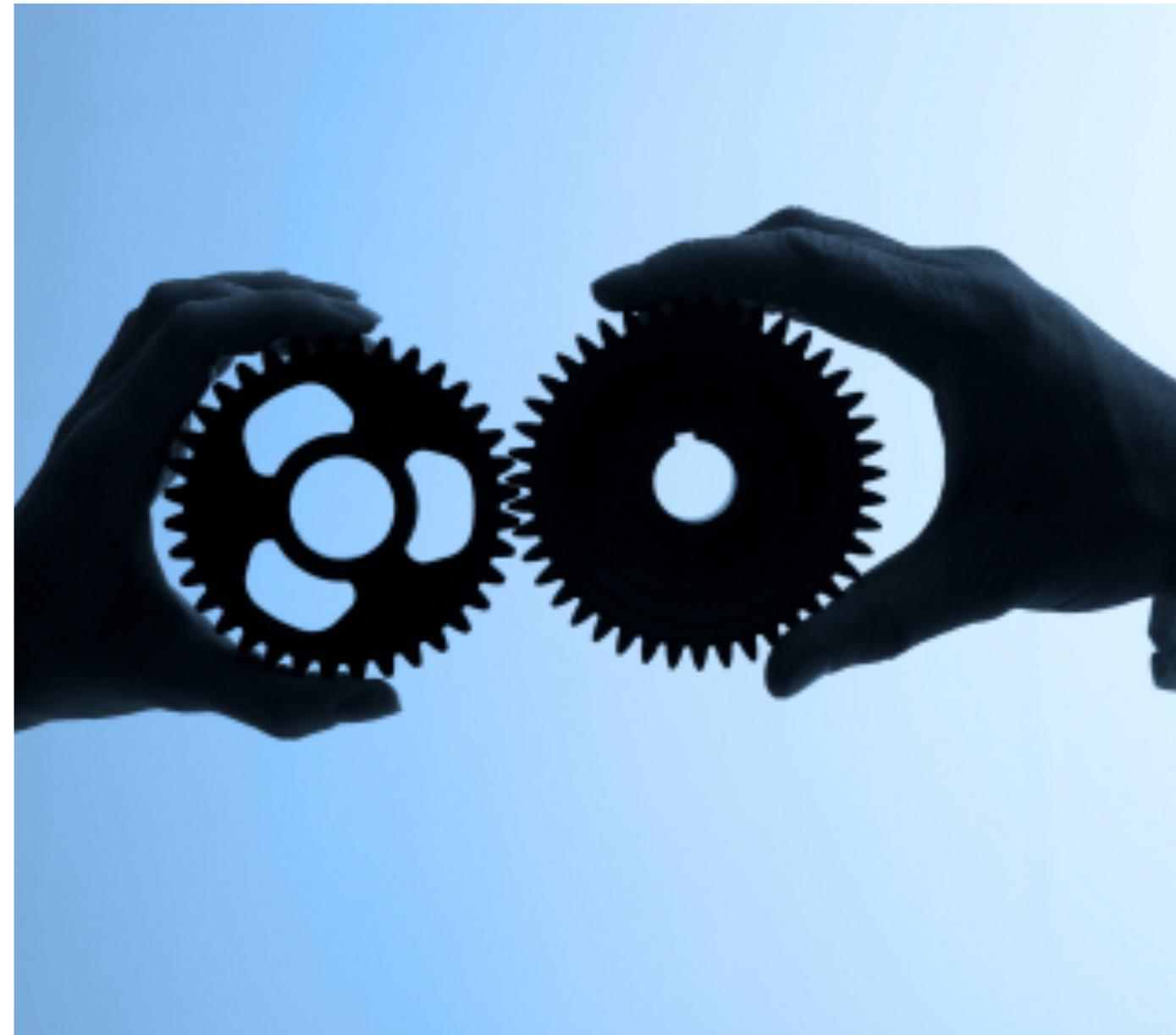
• Yolanda Meleco





Organisational Partners — key linkages

- Organisations play an essential role as adopters!
- **Organisational Assembly** = Organisational **Members** and **Affiliates**.
- **Organisational Advisory Board** will represent Organisational Assembly to Council
- Organisational Members pay (modest) dues and have a special voice within RDA helping ensure RDA products stay relevant



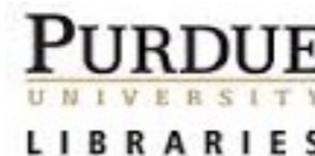
RDA Organisational Members



canarie



LE PÔLE DE COMPÉTITIVITÉ
DE LA TRANSFORMATION NUMÉRIQUE

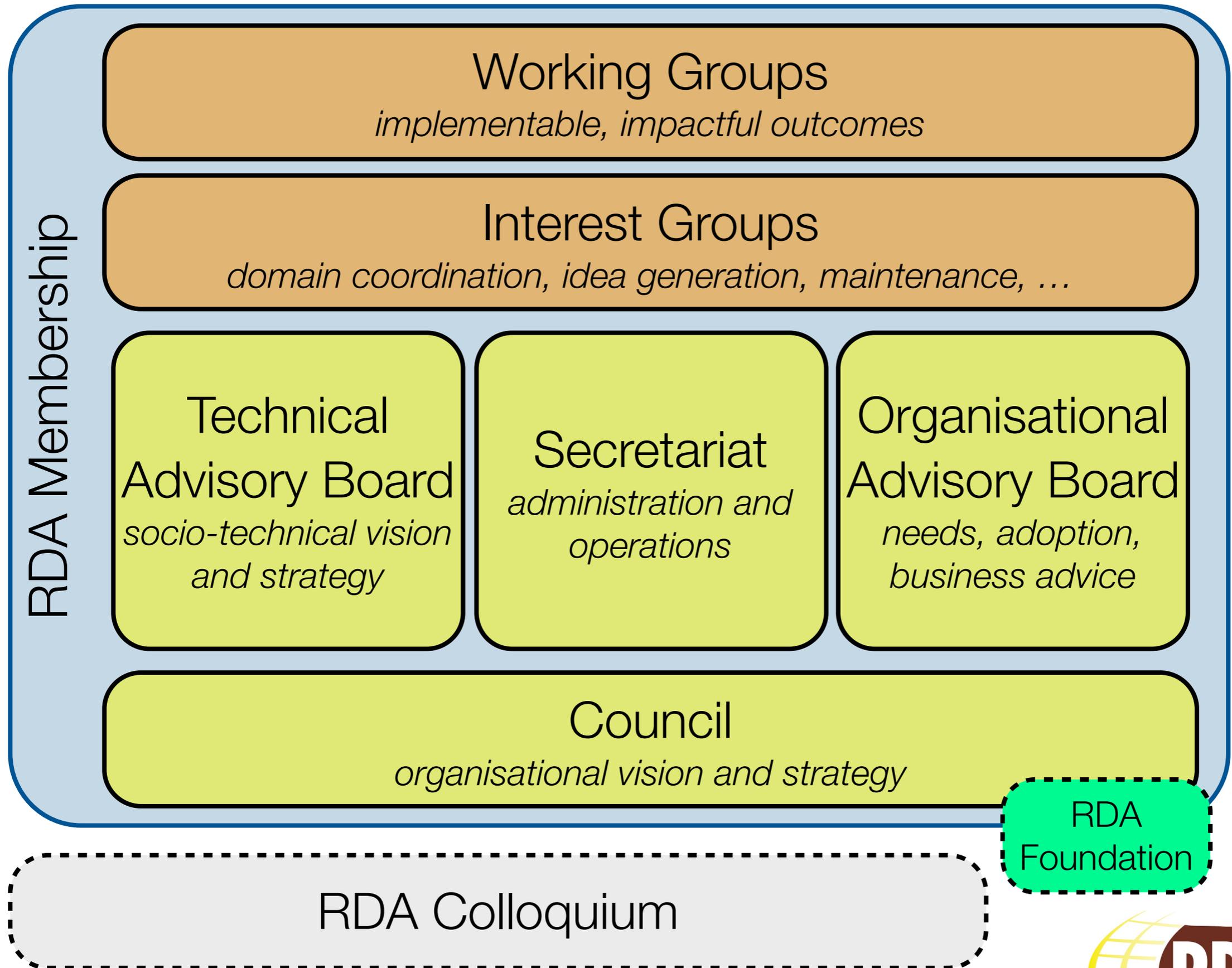


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RDA Colloquium—RDAC



- The group of **government and non-profit science funding organisations** that support the data and science communities to participate in RDA activities:
 - Australian Government
 - US Government (NSF and NIST)
 - European Commission
 - Sloan Foundation
- Allows agencies the opportunity to **share funding program plans** that support data sharing across the globe, and thereby **amplify their impact**.
- **Collaborating with G8+** Group of Senior Officials Working Group on Data
- Related to but **distinct from RDA**. A parallel organisation.

RDA Foundation



- **Independent Foundation** established as a Company Limited by Guarantee in England and Wales
- Applying to become a **registered charity**.
- **Council acts as Board of Trustees** but Foundation is governed independently from RDA.
- No employees; no brick and mortar presence; **primarily a mechanism for money transfers**.

Regional RDAs



- RDA/United States, Australian National Data Service, RDA/Europe,
- Implement RDA deliverables locally and enhance adoption.
- Ensure regional or national issues are addressed globally.
- Support plenaries and support attendance at plenaries.





Info:

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