The RDA Network

RDA Denmark Workshop
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RDA: An overview

What is the Research Data Alliance?

Working Groups and Interest Groups

Recommendations and Outputs

Adoption Stories

Impact

RDA vision, mission and approach

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

MISSION: Build the social and technical bridges that enable open sharing and re-use of data.

APPROACH: To further research innovation, efficiency and reproducibility by identifying and facilitating socio-technical <u>best practices</u> and <u>standards</u> for research data, tools and infrastructure.

RDA Guiding Principles

Openness	Consensus	Balance
Harmonization	Community-driven	Non-profit and technology-neutral

https://www.rd-alliance.org/get-involved.html

RDA in one word

https://youtu.be/BdD2NTytb8Q

A global community

Worldwide distribution

1 ▮▮▮▮ 2,072
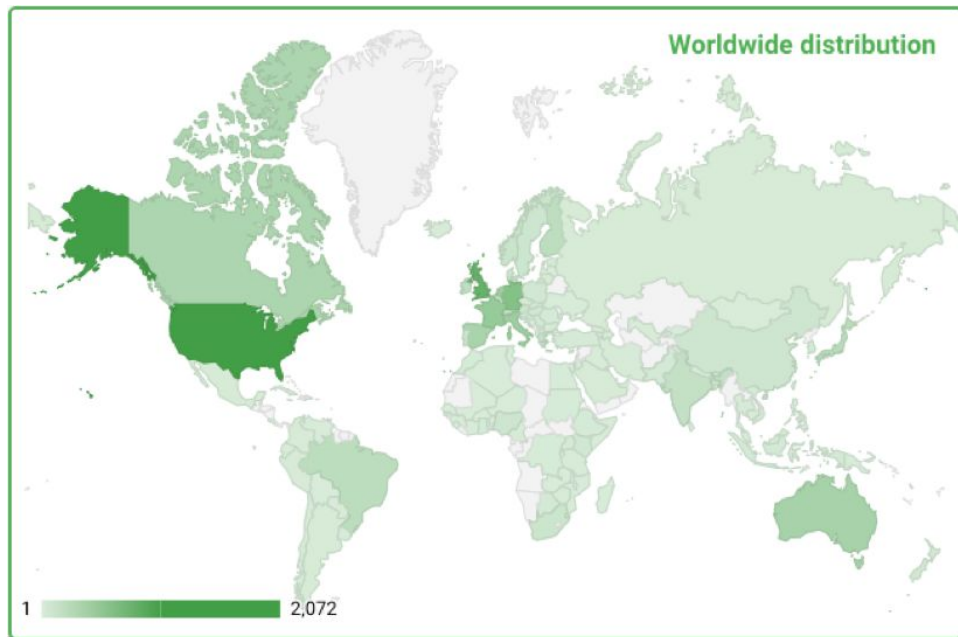
All are welcome!

Over **8400** individual members

137 countries

50 organisational members

8 affiliate members

https://www.rd-alliance.org/about-rda

https://www.rd-alliance.org/get-involved/organisational-membership/rda-organisational-affiliate-members

A European network of national nodes

RESEARCH **DATA ALLIANCE** **EUROPE**

https://www.rd-alliance.org/groups/rda-europe-national-nodes

RDA Working Groups & Interest Groups

WORKING GROUPS

Develop and implement tools, policy, practices and products for data management that are adopted and used by projects, organisations and communities

Timing: 12-18 months

TOTAL: 36 Working Groups

Recommendations: Concrete deliverables - tools, standards etc.

INTEREST GROUPS

Focus on a specific data sharing problem or community and identifying what kind of infrastructure is needed

Timing: as long as the group is active

TOTAL: 66 Interest Groups

Output: Possibly case statements for new WGs, guidelines etc.

FAIR Data Maturity Model WG

Develops a common set of core assessment criteria for FAIRness and a generic and expandable self-assessment model for measuring the maturity level of a dataset. Builds on existing initiatives, looking at common elements and allowing the group to identify core elements for the evaluation of FAIRness.

- Analysis of Existing FAIR Assessment Tools https://rd-alliance.org/group/fair-data-maturity-model-wg/outcomes/results-analysis-existing-fair-assessment-tools (request for comments open)

https://rd-alliance.org/groups/fair-data-maturity-model-wg

Early Career and Engagement IG

Provide a focal point for Early and Mid-Career Researchers and Professionals, including those involved in various RDA-related fellowships and Early Career programs.

- Monthly AMA calls
- Mentoring programme - connecting ECRs and Experts

https://rd-alliance.org/groups/early-career-and-engagement-ig

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Grant opportunities for European ECRs and Experts are open!
https://grants.rd-alliance.org/

Encouraging radical collaboration

"In both the RDA and institutional settings, groups that work well are ones where it evolves that experience is respected, differences are appreciated, and working together is considered an opportunity to learn, not to proselytize."

"Despite differences in how efforts are initiated, there is a common motivation to solve problems, find solutions, and address grand challenges."

The Radical Collaboration of RDA and What It Means for Developing Institutional Data Management Services: https://doi.org/10.29242/rli.296.3 (Amy Nurnberger)

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.

https://rd-alliance.org/recommendations-and-outputs/all-recommendations-and-outputs

Certification of data repositories

RDA/WDS Repository Audit and Certification Catalogues: Creates harmonised common procedures for certification of repositories at the core level, drawing from the procedures already put in place by the Data Seal of Approval (DSA) and the ICSU World Data System (ICSU-WDS).

Repository Audit and Certification Catalogues

The Challenge:
Creating harmonized Common Procedures for certification of repositories

What is the solution?
Drawing from the procedures already put in place by the Data Seal of Approval (DSA) and the ICSU World Data System (ICSU-WDS), the RDA Repository Audit and Certification DSA-WDS Partnership Workin Group has produced a convergent DSA-WDS certification standard aiming to eliminate duplication of effort, increase certification procedure coherence and compatibility thus benefitting researchers, data managers, librarians and scientific communities.

Produced by: The Repository Audit and Certification DSA-WDS Partnership WG

https://rd-alliance.org/groups/rdawds-certification-digital-repositories-ig.html

CoreTrustSeal

"By undergoing the process of self-assessment and peer review the Australian Data Archive (ADA)hopes to better align its practices with international standards. ADA used the CoreTrustSeal evaluation process to **identify areas for improvement** in the archive. It is hoped that the CoreTrustSeal will assist the user community of the ADA, as the CoreTrustSeal provides a certification of **trustworthiness** and **robust practices** in the archiving and dissemination of data."

Heather Leasor, Archivist, Australian Data Archive

RDA ADOPTION STORY

The RDA CoreTrustSeal adoption story across domains and regions

https://rd-alliance.org/rda-coretrustseal-adoption-story-across-domains-and-regions

Data Management

23 Things: Libraries for Research Data: An overview of practical, free, online resources and tools that users can immediately take advantage of to incorporate research data management into the practice of librarianship.

23 coisas: Bibliotecas e Dados Científicos
Visão geral de recursos úteis e ferramentas online livres que podem servir para integrar a gestão de dados científicos no trabalho prático dos profissionais das bibliotecas.

Partilhar Dados Científicos sem Barreiras

Recursos de aprendizagem
Os Bibliotecários estão a aprender como aplicar os princípios da Biblioteconomia e da Ciência da Informação para resolver problemas e providenciar novos serviços relacionados com a Gestão de Dados Científicos.

1. Lista das **10 recomendações** da LIBER para as Bibliotecas se iniciarem na Gestão de Dados Científicos,
http://bit.ly/RDAthing1

2. Tesauro de e-Science que

Recursos de Aprendizagem
Dados de referência e disseminação
Planos de Gestão de Dados
Literacia de Dados
Citação de Dados
Licenças e Privacidade
Preservação Digital
Repositórios de Dados
e a Comunidade de Prática

...para apoiar os Bibliotecários a envolverem-se na gestão de dados científicos!

10. Perguntas sobre Gestão de Dados respondidas por especialistas no forum **DataQ**,
http://bit.ly/RDAthing10

Planos de Gestão de Dados
Os Bibliotecários estão a familiarizar-se com os requisitos dos financiadores de ciência, providenciando consultoria aos investigadores para os apoiar a elaborar e implementar Planos de Gestão de Dados.

11. A **DMPTool** identifica os requisitos de financiadores nos Estados

https://rd-alliance.org/group/libraries-research-data-ig/outcomes/23-things-libraries-research-data-supporting-output (12 translations)

23 Things

23 (research data) Things by the Australian Research Data Commons (formerly the Australian National Data Service)

https://www.ands.org.au/working-with-data/skills/23-research-data-things

23 Things

Top 10 FAIR Things by RDA Libraries for Research Data IG, Library Carpentry, the ARDC and (many) others:
https://librarycarpentry.org/Top-10-FAIR/
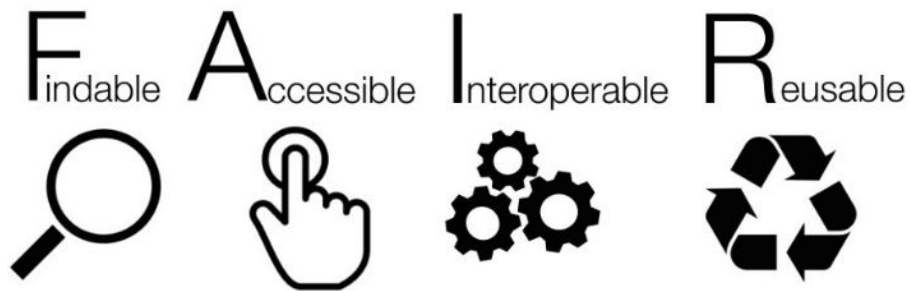
23 Things Revisited by the National Coordination Point Research Data Management in the Netherlands (LCRDM):
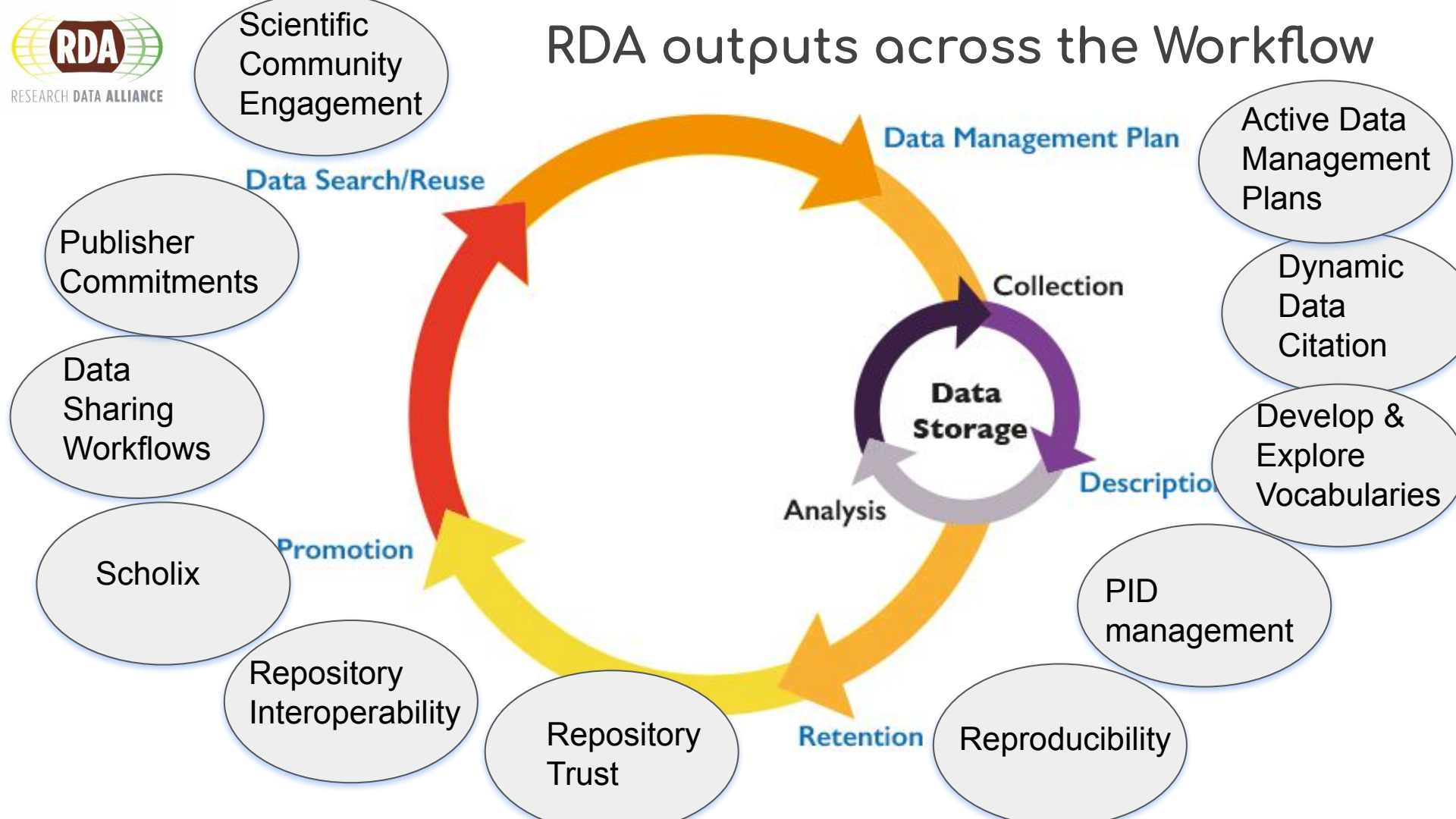https://www.lcrdm.nl/en/news/lcrdm-task-group-wins-rda-backing

RDA Recommendations & Outputs

1. Data Management
2. Data Collection
3. Data Description
4. Identify, Store, and Preserve
5. Disseminate, Link, and Find
6. Policy, Legal Compliance, and Capacity

https://youtu.be/41Zx5xPRT_I?t=1912

RDA outputs across the Workflow

Scientific Community Engagement

Data Search/Reuse

Publisher Commitments

Data Sharing Workflows

Scholix

Promotion

Repository Interoperability

Repository Trust

Data Management Plan

Active Data Management Plans

Collection

Dynamic Data Citation

Data Storage

Description

Develop & Explore Vocabularies

Analysis

PID management

Retention

Reproducibility

Adoption stories

Adopters of RDA outputs share their experiences and lessons learned to inspire further uptake of RDA outputs

- Read them all!
- Submit a story

https://www.rd-alliance.org/recommendations-outputs/adoption-stories

https://youtu.be/Dvv530p6VBU

RDA ADOPTION STORY

On how RDA has contributed to many aspects of INRA's Open Science policy

Image: no one cares at Unsplash

RDA Adoption stories

ADOPTING RDA OUTPUTS FOR CLIMATE DATA MODELLING

DKRZ adopts 6 RDA outputs for climate data modelling

Impact: documenting RDA results

https://datascience.codata.org/collections/special/research-data-alliance-results/

Impact: enabling FAIR

"It took just 18 months for the [geosciences] community to adopt, adapt and align with the FAIR data practices... This fast pace was possible because many building blocks of data sharing had already been developed. For example, data communities such as the Research Data Alliance and Earth Science Information Partners had vetted and made actionable the data-sharing practices necessary for repositories, researchers and journals."

Make Scientific Data FAIR: https://doi.org/10.1038/d41586-019-01720-7 (Shelley Stall, Lynn Yarmey, Joel Cutcher-Gershenfeld, Brooks Hanson, Kerstin Lehnert, Brian Nosek, Mark Parsons, Erin Robinson & Lesley Wyborn)

RDA blog: https://rd-alliance.org/blogs/rda-helps-earth-and-space-science-take-big-leap-forward.html (Mark Parsons)

[RDA Plenary 14](#)

Helsinki

23-25 October 2019

Co-located events will include [EOSC event](#)

https://youtu.be/FsvOOfxDXQE

Questions?