



Australian Research Data Commons

FAIR at RDA virtual plenary 16

Wed 25 November 2020

PRESENTED BY

Stefanie Kethers (ARDC), Keith Russell (ARDC), Anusuriya Devaraju (TERN), Natasha Simons (ARDC), Peter Neish (University of Melbourne), Eva Mendez (Universidad Carlos III de Madrid)

**We acknowledge and celebrate
the First Australians on whose
traditional lands we meet, and
we pay our respect to the elders
past, present and emerging**



RDA Virtual Plenary 16 Regional Event

16th Research Data Alliance
PLENARY MEETING
9-12 November 2020

Knowledge Ecology

Organized by CONARE Costa Rica and RDA United States



Please go to **menti.com** and
type in the code **74 64 02 8**



VP16 Regional Event – Daily Sessions

- Monday, 23 November: COVID-19: Role of data in responding to COVID-19 pandemic. What can we do to respond better in the future?
- Tuesday, 24 November: Data versioning and data life cycle
- **Wednesday, 25 November: FAIR**
- Thursday, 26 November: Skills
- Friday, 27 November: Research Software

For more information and to register, please visit <https://tinyurl.com/yy2fz4vh>



If you have any questions about RDA

RDA

Email - enquiries@rd-alliance.org

Web - www.rd-alliance.org

Twitter - [@resdatall](https://twitter.com/resdatall)

LinkedIn -

www.linkedin.com/in/ResearchDataAlliance

Slideshare -

<http://www.slideshare.net/ResearchDataAlliance>

Stefanie Kethers

Director of Operations, Research Data Alliance

Email – Stefanie.Kethers@ardc.edu.au

FAIR at the RDA virtual plenary 16

Six WGs and IGs:

- Open Science Graphs for FAIR Data IG
- FAIR Data Maturity Model WG
- FAIRsharing Registry WG: connecting (meta)data standards, repositories and policies
- FAIR for Research Software (FAIR4RS) WG
- Raising FAIRness in health data and health research performing organisations (HRPOs) WG
- CURE-FAIR WG - curating for reproducible and FAIR data and code

Pathway: [The FAIR agenda](#)

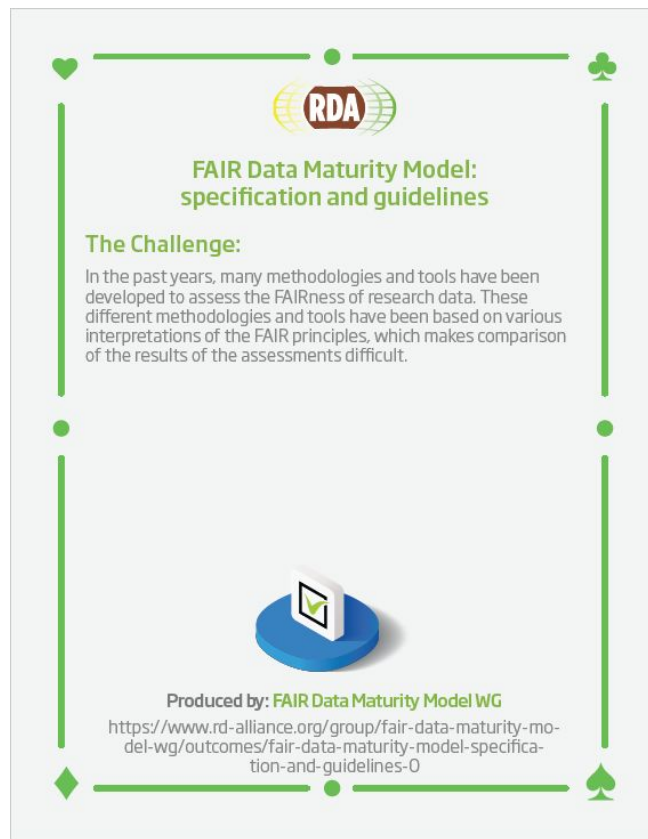
10 sessions, some even in parallel

Focus on FAIR in practice, what does it mean to implement FAIR

Agenda:

FAIR Data Maturity Model - Survey amongst Funders and Communities	Keith Russell (ARDC)
FAIRsFAIR FAIR assessment tool	Anusuriya Devaraju (TERN)
FAIR Data training - challenges and possible solutions	Natasha Simons (ARDC)
Publisher, funder, repository intersections on FAIR	
DMPs and FAIR	Peter Neish (University of Melbourne)
FAIR & RDA / RDA & FAIR	Eva Mendez (Universidad Carlos III de Madrid)
Other lessons from sessions	All
Discussion	All

RDA FDMM WG output



**FAIR Data Maturity Model:
specification and guidelines**

The Challenge:

In the past years, many methodologies and tools have been developed to assess the FAIRness of research data. These different methodologies and tools have been based on various interpretations of the FAIR principles, which makes comparison of the results of the assessments difficult.

Produced by: **FAIR Data Maturity Model WG**
<https://www.rd-alliance.org/group/fair-data-maturity-model-wg/outcomes/fair-data-maturity-model-specification-and-guidelines-0>



What is the solution?

This document reports on a set of indicators with priorities and guidelines that provide a 'lingua franca' that can be used to make the results of the assessment using methodologies and tools comparable.

What is the impact?

This document can be used towards normalising the assessments approaches, thereby allowing to compare their results. It can also act as a tool that can be used by various stakeholders, including researchers, data stewards, policy makers and funding agencies, to gain insight into the current FAIRness of data as well as into the aspects that can be improved to increase the potential for reuse of research data. Through increased efficiency and effectiveness, it helps research activities to solve societal challenges and to support evidence-based decisions.

Find out more about the
Recommendation from the RDA
FAIR Data Maturity Model
Working Group



September 2020

Policy & adoption

- Funders

- Funders to set requirements for assessment
- Professional societies and infrastructure providers to drive adoption of FAIR assessment methodologies
- Cross-discipline interoperability through awareness raising across communities with community-specific approaches

- Communities

- Funding for global standards, regional implementation
- Communities to share best practices and develop community policies and competence centres

- Both:

- RDA as a neutral platform to bring stakeholders together and create cross-community understanding

Future work

- Funders

- Set the bar for 'FAIR enough'
- Select most relevant indicators in specific context


- Communities

- Gather experience and success stories that show impact
- Pay attention to choices to be made before data is produced

- Both

- Consider scoring in context of community targets and practices
- Make assessment approach more practical
- Create actionable guidelines


Official RDA Recommendation on maDMPs



RDA DMP Common Standard for Machine-actionable Data Management Plans

The Challenge:

Data Management Plans are free-form text documents describing the data that is used and produced during the course of research activities. They specify where the data will be archived, which licenses and constraints apply, and to whom credit should be given, etc. The workload and bureaucracy often associated with traditional DMPs can be reduced when they become machine-actionable.



Produced by: **DMP Common Standards WG**
<https://www.rd-alliance.org/groups/dmp-common-standards-wg>

RDA DMP Common Standard for Machine-actionable Data Management Plans

Recommendations of the RDA DMP Common Standards WG
Tamás Miksa, Paul Walk, Peter Neish

Purpose

This application profile is meant for exchange of machine-actionable DMPs between systems. It is independent of any internal data organisation used by these systems. The application profile does not prescribe how information must be presented to the end user and does not enforce any specific logic on how this information must be collected or used. The application profile is an information carrier and the full machine-actionability can only be achieved when systems using the application profile implement appropriate logic.

This application profile is intended to cover a wide range of use cases and does not set any business (e.g. funder specific) requirements. It represents information over the whole DMP lifecycle, that is, it can express planned actions, as well as actions already performed.

The application profile is NOT intended to be a prescriptive template or a questionnaire, but to provide a re-usable way of representing machine-actionable information on themes covered by DMPs.

Overview

Figure 1 presents concepts used within the application profile. Each concept is further broken down into specific fields (not depicted). The full application profile specification can be found [online](#). Below we outline main concepts used within the application profile that are depicted in Figure 1.

DMP - Provides high level information about the DMP, e.g. its title, modification date, etc. It is the root of this application profile.

Project - Describes the project associated with the DMP, if applicable. It can be used to describe any type of project: that is, not only funded projects, but also internal projects, PhD theses, etc.

Funding - For specifying details on funded projects, e.g. NSF or EC funded projects.

Contact - Specifies the party which can provide information on the DMP.

Contributor - For listing all parties involved in the process of data management described by

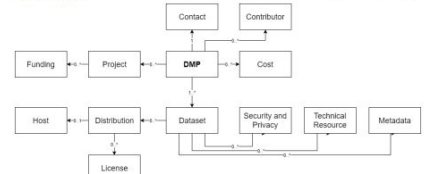
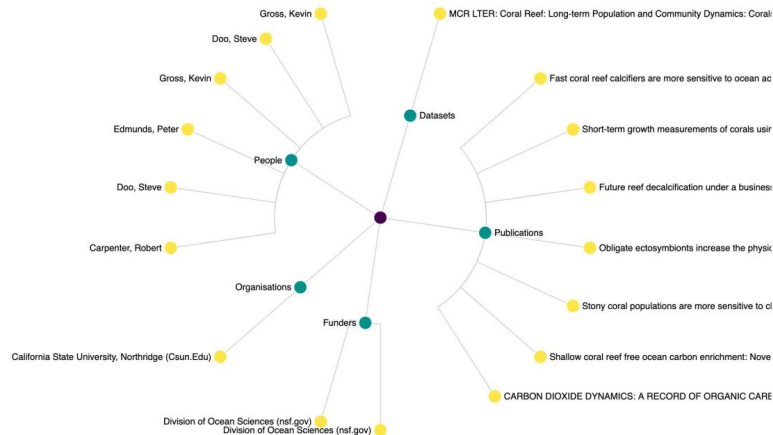


Figure 1: Overview of the application profile for the machine-actionable DMPs.

1

Miksa, T., Walk, P., & Neish, P. (2019). RDA DMP Common Standard for Machine-actionable Data Management Plans. <https://doi.org/10.15497/rda00039>

Pending adoptions (selected)





RDA & FAIR FAIR & RDA

Eva Méndez @evamen

Universidad Carlos III de Madrid / Chair of the @euospp

RDA AMBASSADOR FOR INTERDISCIPLINARY RESEARCH

WG

Raising FAIRness in health data and health research performing organisations (HRPOs) WG

 **Taxonomy:** Medical and Health Sciences



Posts



Create Wiki
index



Events



Repository



Outputs



Case
Statements



Plenaries



Members

create new content



Group Status:  WGs Getting started (~0-6 months after RDA endorsement)

 **Join Group**

Status: Recognised & Endorsed

Chair (s): Shanmugasundaram Venkataraman, Celia Alvarez-Romero, Kristan Kang, Anupama Gururaj

Secretariat Liaison: Bridget Walker

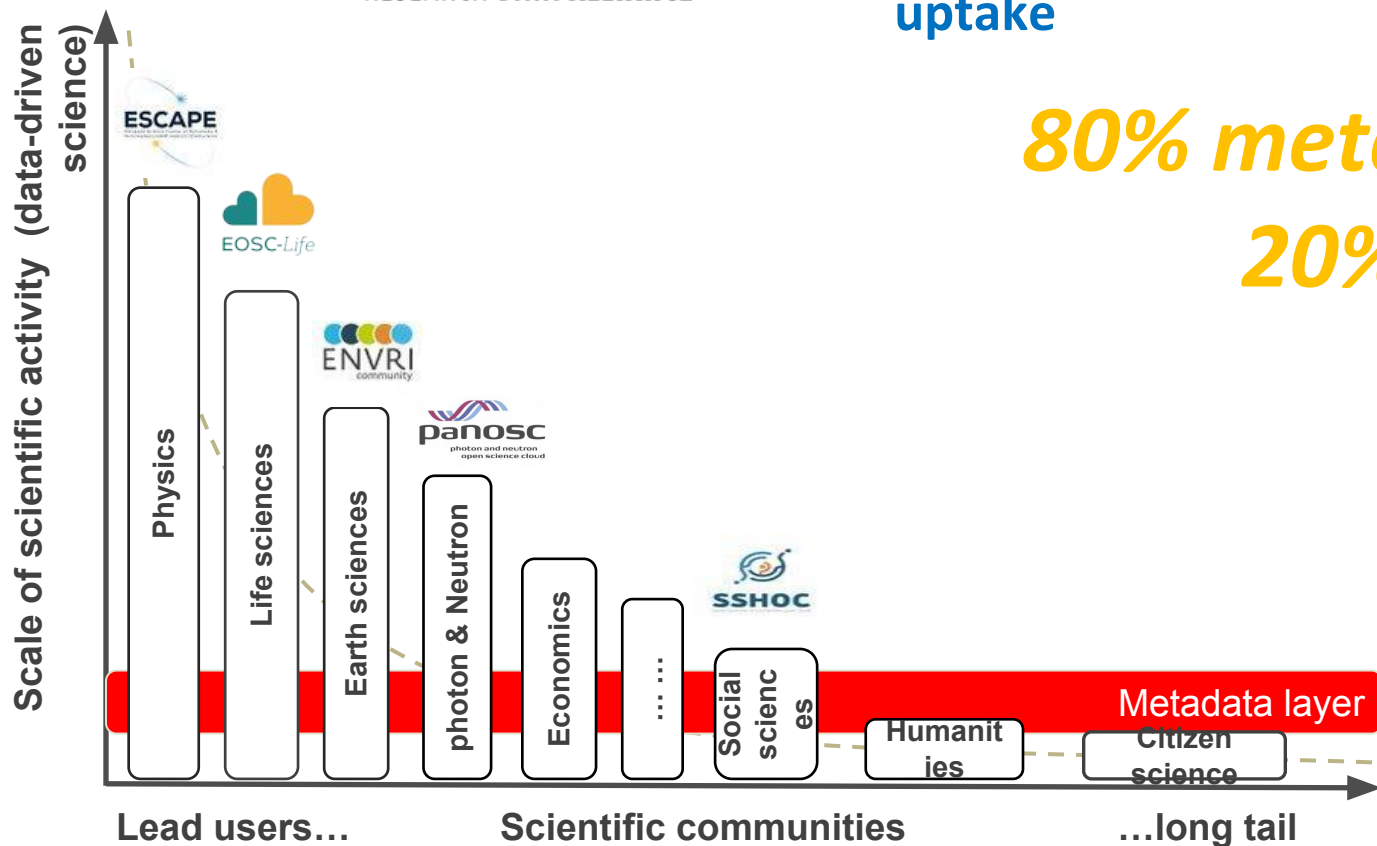
TAB Liaison: Dimitris Koureas

Adoption and application of the FAIR principles to research data has grown significantly in the few years that they have existed. They have been embraced in many quarters and have paved the way to creating a level playing field for data reuse. Nevertheless, they also pose challenges in some areas of research where reuse may not be an automatic right due to issues of confidentiality, privacy, commercial interests and sensitivities in general.

One sector of research where this is particularly evident is health research, and this proposed working group aims to address global disparities in uptake of the FAIR principles in health research and within health research performing organisations (HRPOs). The work will build upon existing and ongoing work being conducted at the European level (please see below the attached document "D2.3 Guidelines for implementing FAIR open data policy in health

FAIR DATA PRINCIPLES for CROSS/INTER disciplinary uptake

80% metadata
20% PIDs





Australian Research Data Commons

CONTACT

Level 2, AIBN (Building 75)
Brisbane QLD 4072
AUSTRALIA

+61 7 3365 1120
info@ardc.edu.au
ardc.edu.au

Thank You