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)

NCRIS National Research Infrastructure for Australia
An Australian Government Initiative

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

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

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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

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If you have any questions about RDA

RDA

Email - enquiries@rd-alliance.org

Web - www.rd-alliance.org

Twitter - @resdatall

LinkedIn - www.linkedin.com/in/ResearchDataAlliance

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

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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

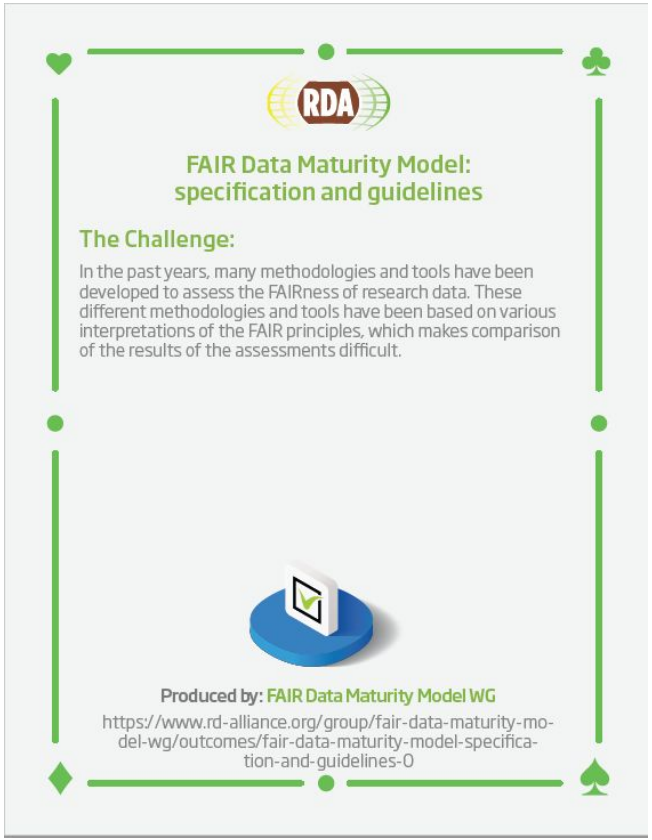
Pathway: The FAIR agenda
10 sessions, some even in parallel

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 Publisher, funder, repository intersections on FAIR	Natasha Simons (ARDC)
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



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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

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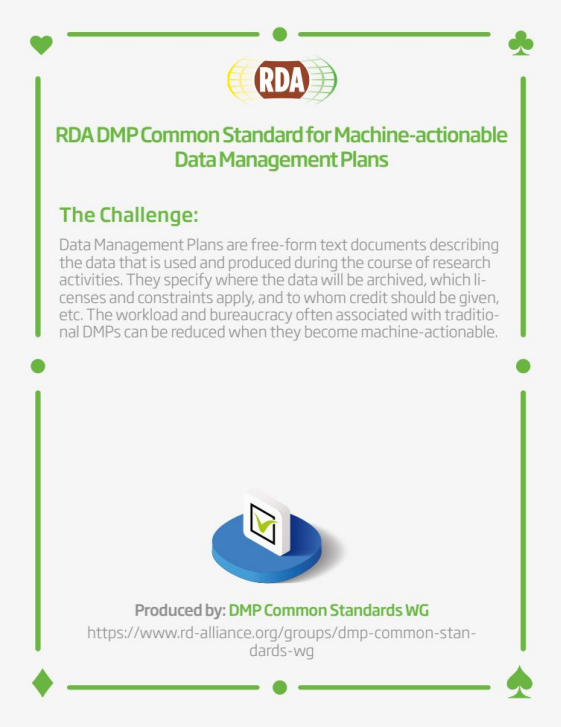
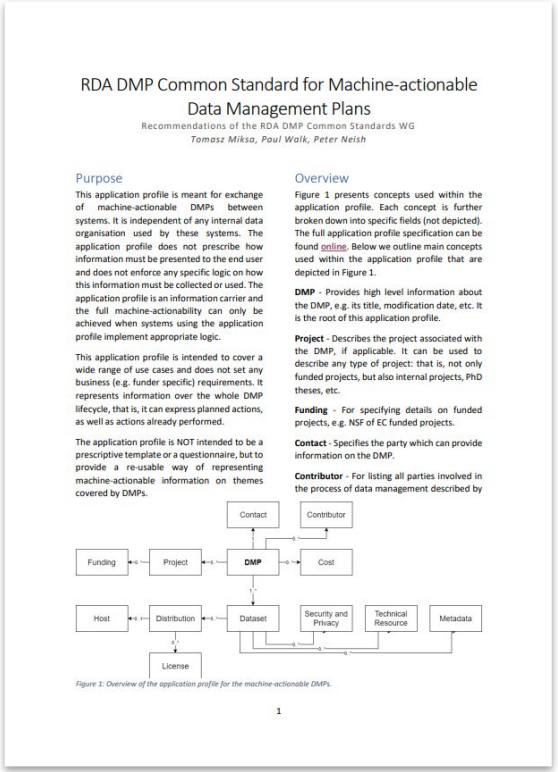
Official RDA Recommendation on maDMPs





RDA DMP Common Standard for Machine-actionable Data Management Plans

Recommendations of the RDA DMP Common Standards WG

Tomasz 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 of 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

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Pending adoptions (selected)

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RDA & FAIR
FAIR & RDA

Eva Méndez @evamen

Universidad Carlos III de Madrid / Chair of the @euospp

RDA AMBASSADOR FOR INTERDISCIPLINARY RESEARCH

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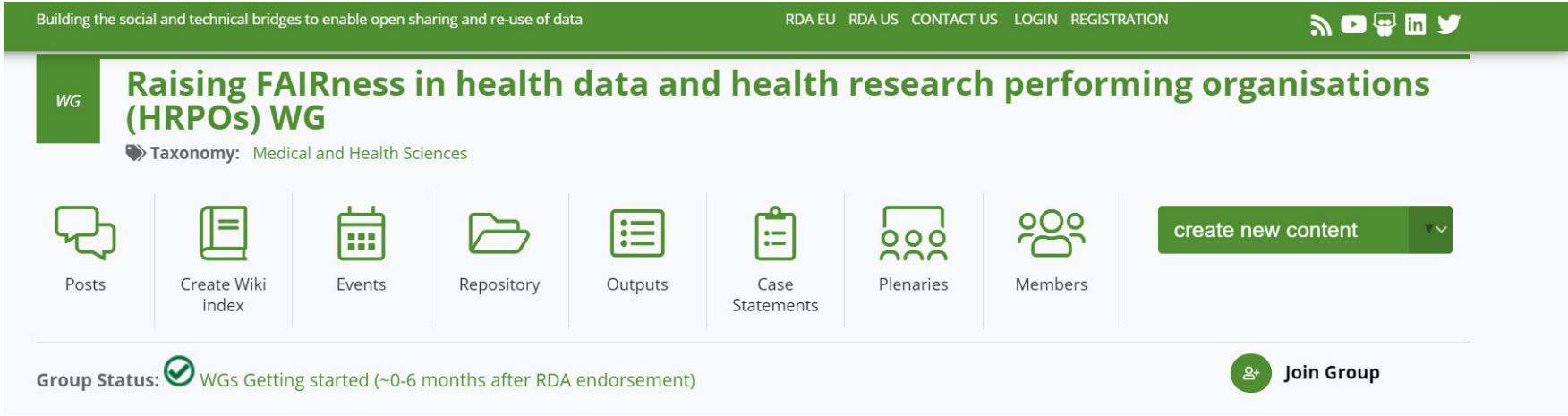
RESEARCH DATA ALLIANCE & FAIR4Health

https://www.rd-alliance.org/groups/raising-fairness-health-data-and-health-research-performing-organisations-hrpos-wg



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

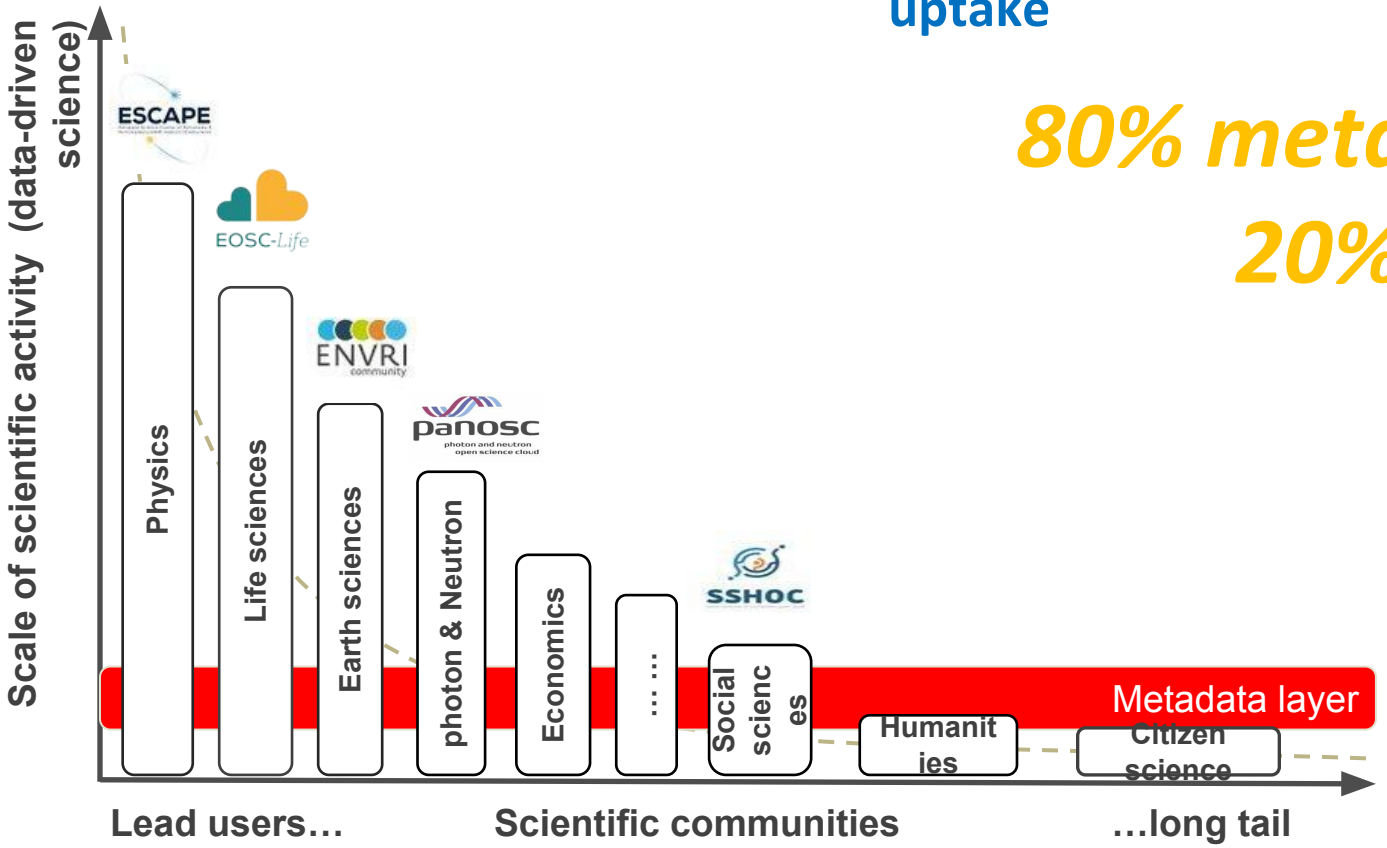
Eva Méndez

FAIRSFAIR
Fostering Fair Data Practices in Europe

&

RDA
RESEARCH DATA ALLIANCE

FAIR DATA PRINCIPLES for CROSS/INTER disciplinary uptake



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Thank You

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