

RDA FAIR data maturity model

16th of September 2020

Workshop #10







- Welcome
- FAIR assessments and DMPs
- FAIR use cases
- Next steps
- Closing





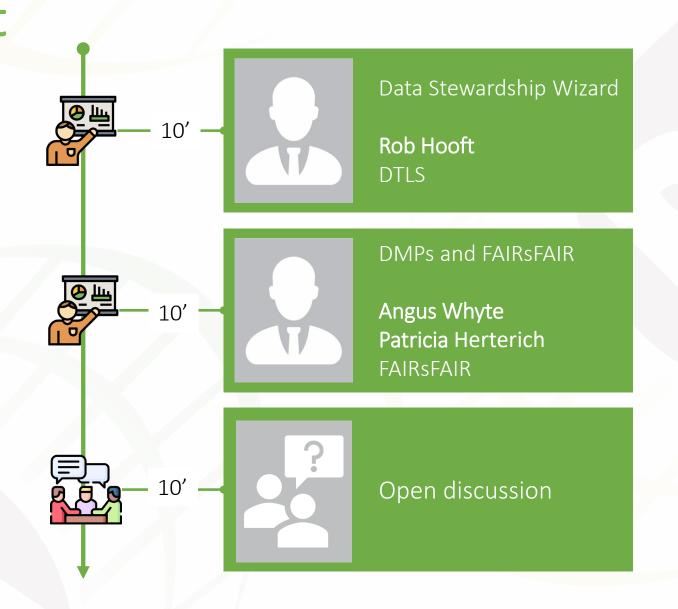
	Meeting	State of play	Roadmap (remainder 2020)
 1. 2. 3. 	State of play Explore FAIR assessments in the context of (i) DMPs and (ii) funding agencies Further action	 Publication of the FAIR Data Maturity Model: Specification and Guidelines as an RDA recommendation, 25 June 2020 EOSC-SYNERGY Intermediate report on technical framework for FAIR principles implementation, 2 Sept. 2020 	O Workshop #10 Bridging the gap between Funders and Communities (survey) Workshop #11 Establish work plan for 2021 CODATA FAIR symposium





FAIR assessment and DMPs

Hands-on presentations on the role of DMPs and how DMP tools can help to achieve FAIRness







Predicting FAIRness using DS Wizard

Rob Hooft, Dutch Techcentre for Life Sciences FAIR Data Maturity model WG, 2020-09-16





When can we measure FAIRness?

- The FAIR Maturity model asks questions in the present tense
- Existing automated methods (objective analysis) for FAIR evaluation test an existing document or URL
- What if the data does not exist yet?





What if the data does not exist yet?

- Data stewards need to help researchers achieve FAIRness
 - Provide guidance
 - Help balance investment and benefits
 - Predict how FAIR data will become
- A good place to do that is in the Data Management Plan
 - Start while writing the project proposal
 - Details at the beginning of the project execution
 - Fill in results at the end of the project





Data Stewardship Wizard

Create Smart Data Management Plans for FAIR Open Science

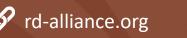




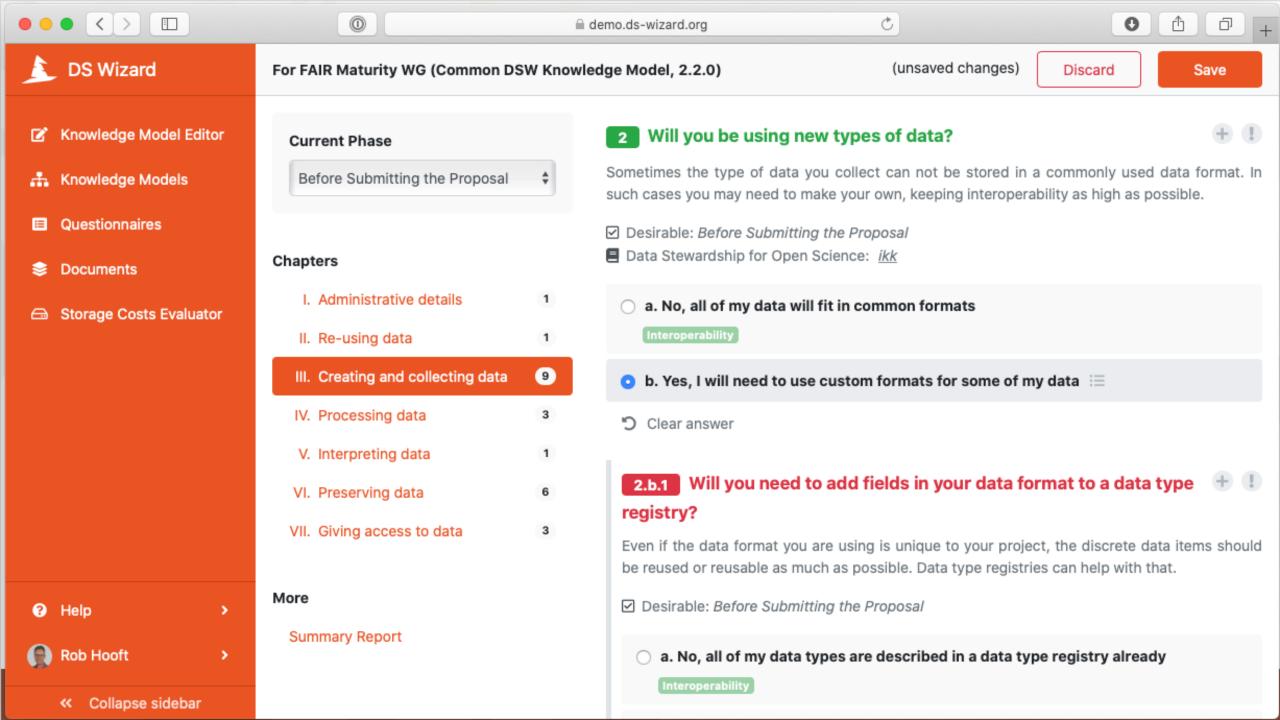


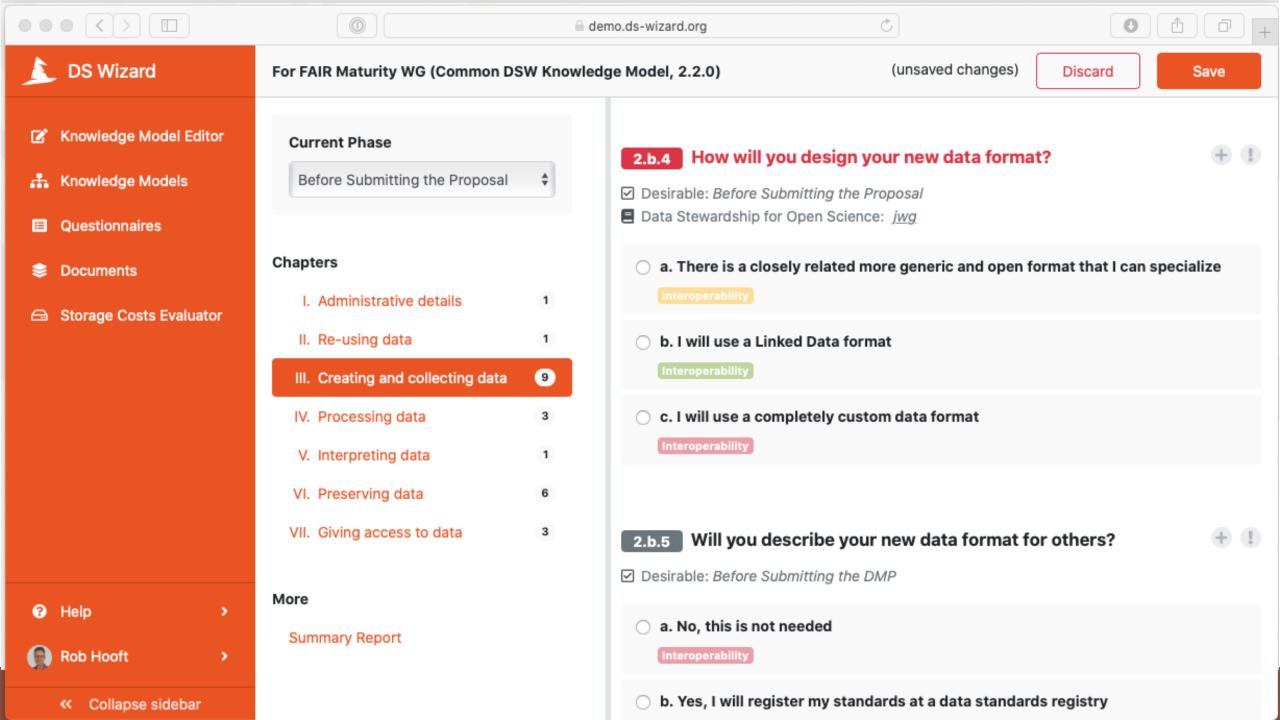
DS Wizard? Brief feature-overview

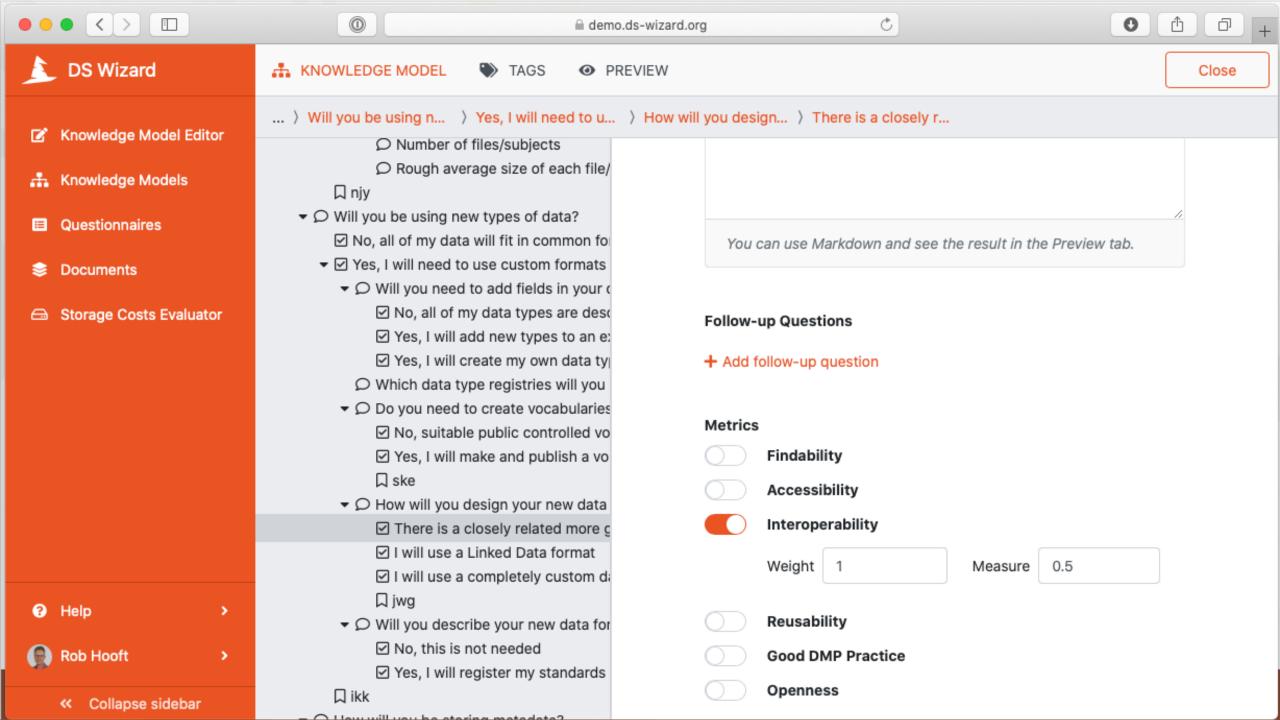
- Expert system for DMP creation: Query engine + Knowledge Model
 For data stewards: an editor for knowledge models
- Trying to turn DMP creation from Burden to Benefit for a project
- An Expert does not ask the same questions to everyone
 - DS Wizard has hierarchical questionnaire for context-dependent questions
 - It has many questions, but most of them are "multiple choice"
- Supports the RDA common model for machine actionable DMPs
- Supports DMP as living document
- Capable of "writing a DMP" for a funder based on the answers

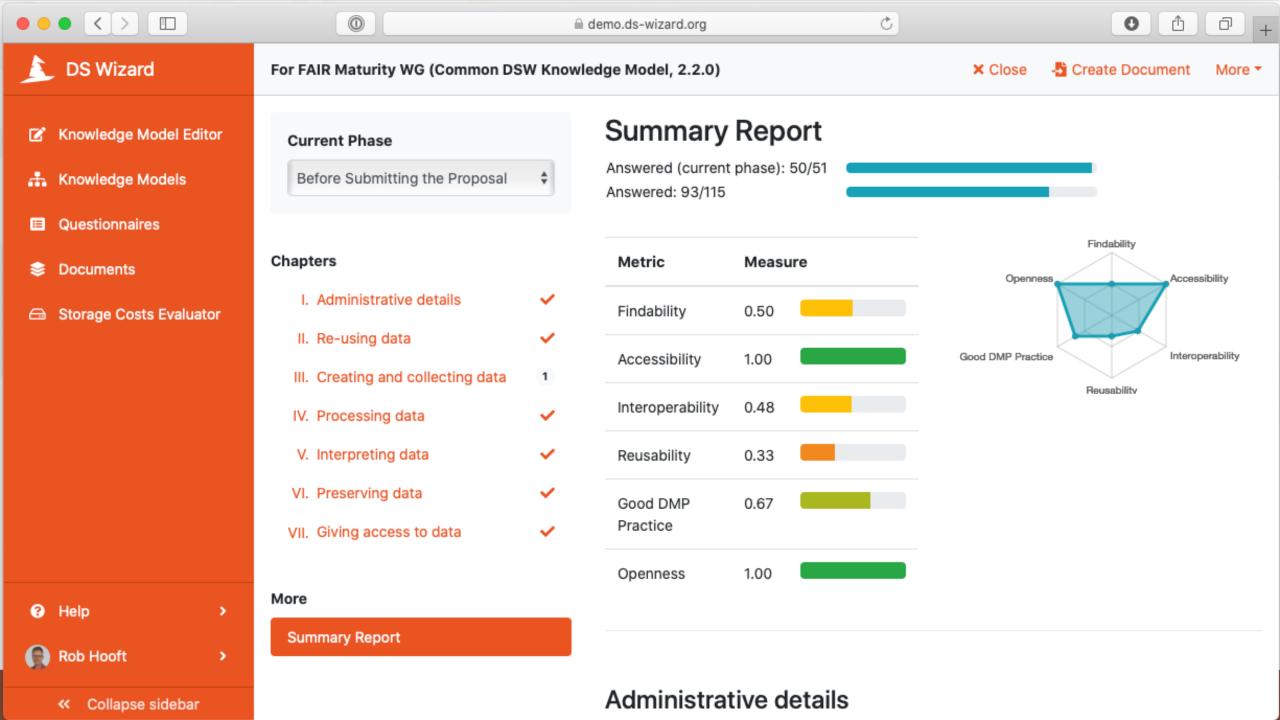


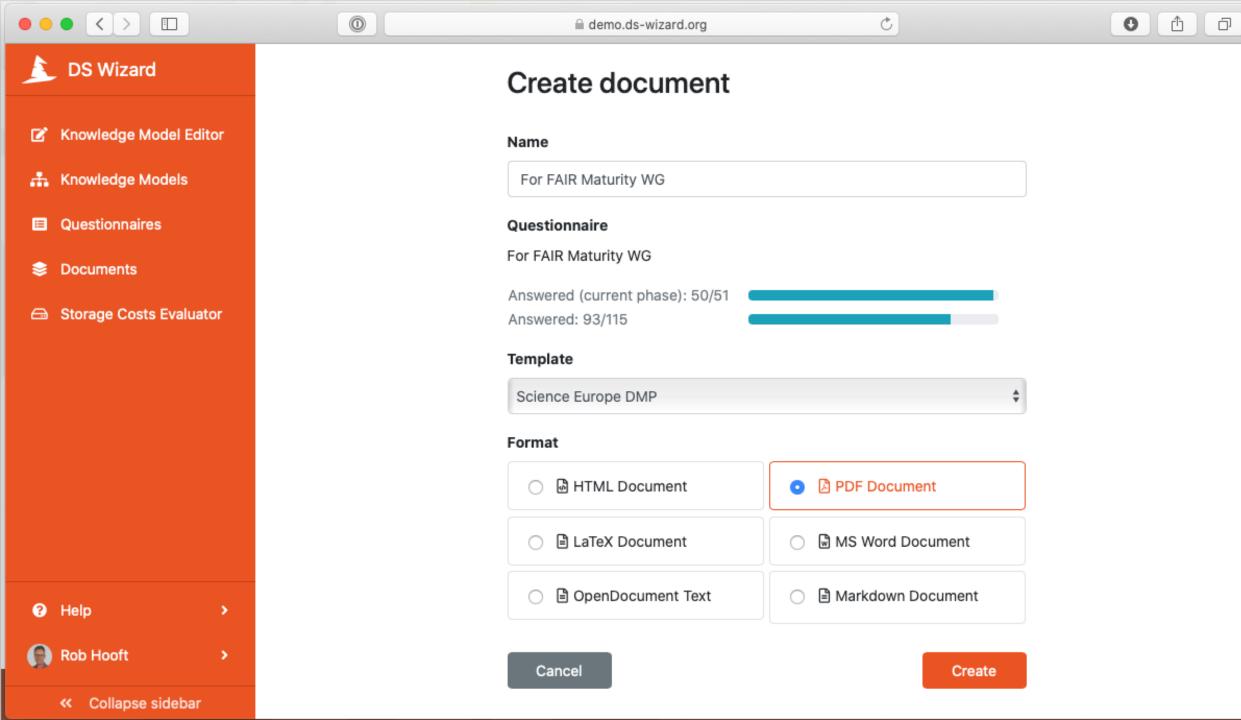














Section A: Data Collection

1. What data will you collect or create?

Data formats and types

We will be using the following data formats and types:

• Powerpoint slides

It is a standardized format. We are aware that this is not a suitable format for long-term archiving. We will have only a small amount of data stored in this format.

2. How will the data be collected or created?

There will be no instrument dataset in this project.

Storage and file conventions

We will use a filesystem with files and folders with the following folder conventions:

• There will be a **folder for each sample/subject**. Each of those will use the







- DS Wizard supports FAIR-based DMPs
 - Implementation choices are guided by (predicted) FAIRness of the result
- Funders can quickly decide whether the DMP is FAIR enough
- GOAL 1: Benefit to the researcher and the project
 - Make researcher aware of technology choices and (local) services available
 - Make researcher aware of the benefits of FAIR
- FAIR evaluation
 - Not an exam, but awareness / education / checklist
 - Help make a wise decision of investment vs benefits of every choice
 - Help funders evaluate DMPs









DMPs and FAIRsFAIR

Angus Whyte, Patricia Herterich

Digital Curation Centre & FAIRsFAIR

FAIR Data Maturity WG 16 September 2020







Outline

- Brief recap of FAIRsFAIR project and assessment of digital (data) objects
- Interest in DMPs motivations, recommendations
- Synergies between DMP evaluation and FAIR data maturity
- Prospective case studies and guidance



FAIRsFAIR - Fostering Fair Data Practices in Europe

- Aims to supply practical solutions for the use of the FAIR principles throughout the research data life cycle.
- Budget: €10 million
- 22 partners from 8 member states





FAIR assessment of digital (data) objects

The indicators developed as part of the RDA FAIR data maturity model working group have the sole purpose of answering the question 'What needs to be measured to assess the FAIRness of a digital object' and not 'How to measure the FAIRness of a digital object'

Research Data Alliance FAIR Data Maturity Model Working Group. (2020). FAIR Data Maturity Model: specification and guidelines - draft. Research Data Alliance. https://doi.org/10.15497/RDA00045



FAIRsFAIR Data Assessment Metrics

- There are 15 metrics built on existing work.
 - RDA FAIR Data Maturity Model
 - DANS Fairdat/FAIREnough
 - WDS/RDA Assessment of Data Fitness
- To be piloted, next release in August

References

D4.1: Draft recommendations on requirements for FAIR data objects in trustworthy data repositories https://doi.org/10.5281/zenodo.3678716

FAIRsFAIR Data Objects Assessment Metrics (Version 0.2) http://doi.org/10.5281/zenodo.3775794

FIELD	DESCRIPTION			
Metric Identifier	FsF-F1-01D			
Metric Name	Data is assigned with a globally unique identifier.			
Description	A data object may be assigned with a globally unique identifier such that it can be referenced unambiguously by humans or machines. Globally unique means an identifier should be associated with only one resource at any time. Examples of unique identifiers of data are Uniform Resource Identifier (URI) such as URL and URN, Digital Object Identifier (DOI), the Handle System, identifiers.org, w3id.org and Archival Resource Key (ARK). A data repository may assign a globally unique identifier to your data or metadata when you publish and make it available through their services.			
FAIR Principle	F1. (Meta) data are assigned globally unique and persistent identifiers			
CoreTrustSeal Alignment	R13. The repository enables users to discover the data and refer to them in a persistent way through proper citation.			
ASSESSMENT				
Requirement(s)	Data identifier (IRI, URL) List of globally unique identifier schemes			
Method	Check if the data identifier is specified based on a globally unique identifier scheme.			
COMMENTS				
Polated Posaurcos:				



FAIR assessment should be iterative, from planning to publication



Which of the following types of ☐ Research Infrastructure ☐ Funding Body organisations best describes your employer? Please select all that University ☐ Publisher Research Performing Organisation ☐ Industry elnfrastructure (e.g. repository or scientific data **FAIR** questions Are you aware that a dataset should be assigned a globally unique and persistent identifier when deposited with a data repository? Not sure Are you aware that when you deposit a dataset with a repository, you will need to provide some details (known as discovery metadata) in order to make the data findable, understandable and reusable to Not sure Are you aware that the repository providing access to your dataset should make the metadata describing your datasets available in a format readable by machines as well as humans? Not sure Are you aware that access to your dataset may need to be regulated the data as well as any possible related conditions? Are you aware that metadata should remain available over time, even if Not sure

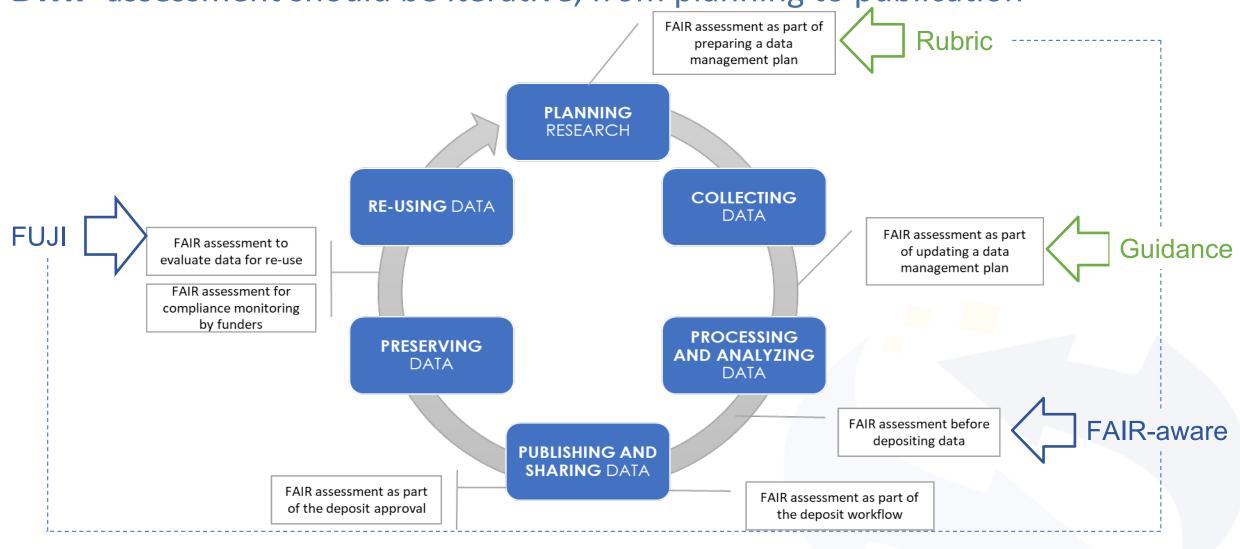


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FAIR-Aware(left) https://fairaware.dans.knaw.nl/ and automated assessment tool FUJI (right) https://github.com/pangaea-data-publisher/fuji



DMP assessment should be iterative, from planning to publication





Recommendations to support FAIR Data Principles

(14) Working with all stakeholders, ensure that data management planning is supported across the entire research lifecycle so that data can be "born FAIR" and kept "FAIR enough" over time. Require updating of DMPs over the research lifecycle leading to comprehensive, high quality end-stage DMPs that are included in end-stage reporting.

(16) Support researchers to assess the potential risks, benefits and associated costs to enable the sharing of FAIR data as they draft their DMP.

D3.3 Policy Enhancement Recommendations https://zenodo.org/record/3686901



Iteratively assess
plan on whether it
includes
appropriate
actions to make
data FAIR

Research communities, funding bodies, publishers, RIs, RPOs, associations, membership organisations, and partnerships



Recommendations to support FAIR Data Principles

- B1: Formalise and support appropriate data management plans (DMPs) for FAIR data
 - Researchers, data stewards and academic journals can use FAIR data criteria to review whether a DMP includes appropriate steps to make the data FAIR.

B2: Develop roadmaps, guidance and workflows for machine-actionable DMPs to inform FAIR data stewardship

 DMP platform providers, institutions, repositories and other data service providers should adopt the RDA Common Standard for Machine-Actionable Data Management Plans to exchange DMP content Make machineactionable DMPs serve FAIR data assessment

Research communities, data stewards, repositories, other data service providers and journals



D3.4 Recommendations on Practice to Support FAIR Data Principles https://zenodo.org/record/3924132

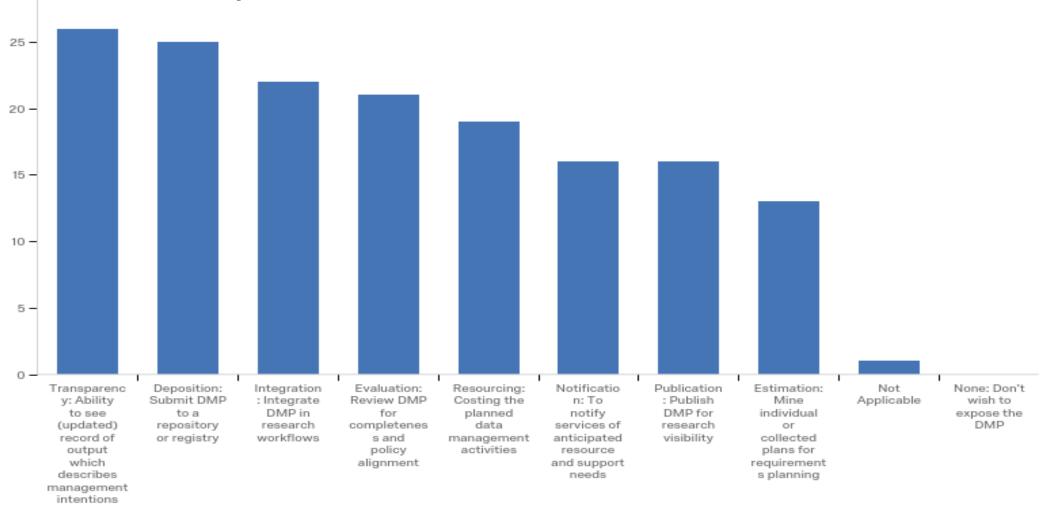


Supporting actions...

- 1. Publish case studies on selected maDMP **use cases** in collaboration with others e.g. funders, GO-FAIR, RDA Working Groups
- 2. Co-create demonstrators using FAIR indicators in DMP guidance and assessment to evaluate mutual benefits to repositories and research communities



Community interest in maDMP use cases



N= 571 responses to RDA Exposing DMP Survey

and actions



Demonstration

Investigating use cases

- Present FAIR guidance in DMP tools
- Assess how FAIR dataset will be from a machine actionable DMP, adapting the metrics applied by FUJI

```
"id": 71,
"title": "Sample plan",
"grant_number": null,
"last_updated": "2019-10-15 22:30:42 UTC",
"creation_date": "2019-10-02 22:21:30 UTC",
"template": {
  "title": "NSF-GEN: Generic",
  "id": 187
"funder": {
  "name": "National Science Foundation (NSF)"
"principal_investigator": {
  "name": null,
  "email": null,
  "phone": null
"data_contact": {
  "name": null,
  "email": null,
  "phone": null
"users": [
    "email": "tester@example.org"
"description": null,
"plan_content": [
    "title": "Data Management Plan",
    "description": null,
    "sections": [
        "title": "Types of data produced",
        "description": null,
        "number": 1,
```



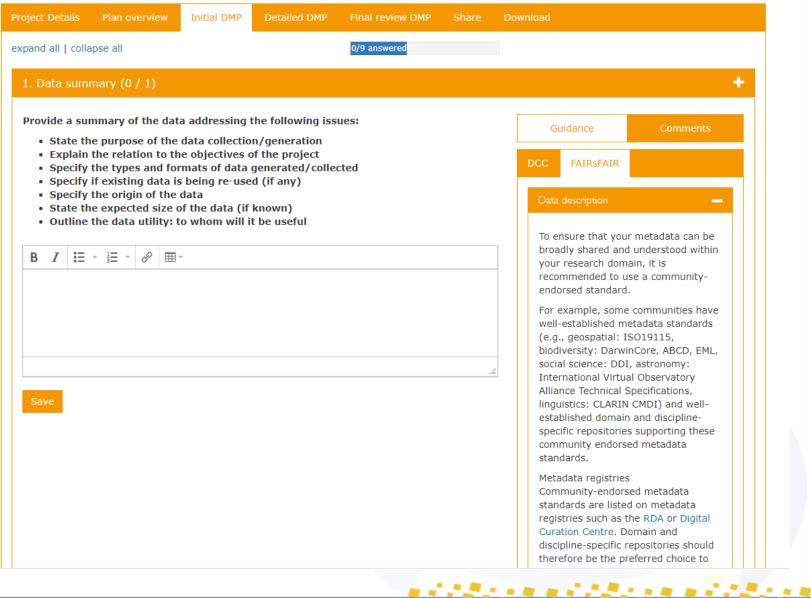
DMPonline

FAIRsFAIR guidance

FAIRsFAIR and data m



FAIRsFAIR and data management plans





Thank you for your attention!

Slide acknowledgements:

Ilona von Stein (DANS)

Anusuriya Devaraju (PANGAEA)

Herve L'Hours (UKDA)

Mustapha Mokrane (DANS)

www.fairsfair.eu





OPENDISCUSSION

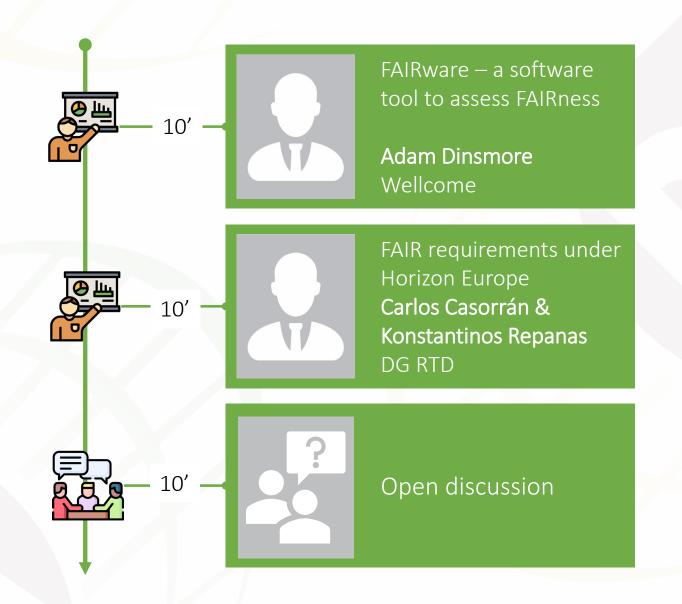






FAIR use cases

representatives are going to present the extent to which they are involved in FAIR assessment and in what context.







Designing and embedding open source software to support researchers and funders in implementing the FAIR principles

DAVID CARR, WELLCOME TRUST; ADAM DINSMORE, RORI



The rationale for FAIRware



Findable Accessible FAIRware Interoperable ' Re-usable





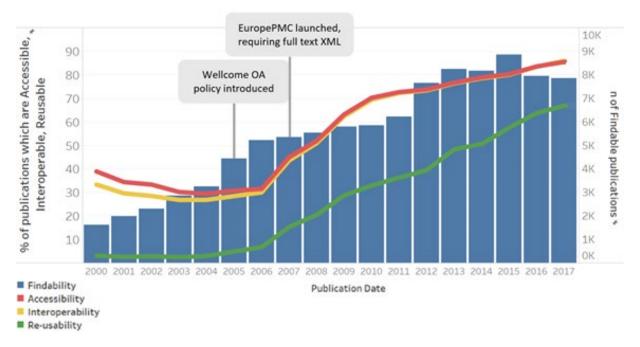


FAIRware: What is the need?

- RoRI is committed to open science and maximising the value of research outputs – including publications, datasets, & software.
- Many RoRI Partners have long-standing policy requirements in place requiring funded researchers to:
 - ensure open access to all research articles, monographs and book chapters.
 - maximise the availability of research data and software with as few restrictions as possible.
- Many funders are increasingly encouraging their researchers to make research data and other outputs available in line with the FAIR principles.
- FAIRware brings funders together to drive consensus and synchronise efforts in this space.



Automating assessment of FAIR



- Currently possible to monitor and evaluate FAIRness of research articles with high fidelity.
- Possible because metadata provenance high for articles.
- However, at present we are unable to access similar data

 and therefore think strategically about other output types.
- Guidance for researchers is dispersed, variable, manual.
- In part because of fuzziness around what the FAIR principles mean in practice, lack of consensus among funders.



	definitions, applications and alternatives to excellence in the evaluation, management & measurement of research	July 2020- Sept 2021	11 partners as of Sept 2020: AAS, ARC; CIHR; CZI; EMBO; FWF; HHMI; MSFHR; NIHR; SNSF; Wellcome	
FAIRware	FAIRware: an open source software tool to assess the FAIR status of research outputs	June 2020 – Sept 2021	5 partners as of Sept 2020: CIHR; FWF; NIHR; SNSF; Wellcome	
PATHWAYS	Career pathways in research: a six-country, multi-partner study of data, frameworks & future directions	July 2020- Sept 2021 (+ possible further phase into 2022)	11 partners as of Sept 2020: AAS, CIHR; CZI; FWF; HHMI; MSFHR; Novo Nordisk Fonden; Sloan; UKRI; Volkswagen Foundation; Wellcome	
RANDOMISATION	Focal randomisation in grant funding: a multi-funder comparative study	July 2020- Sept 2021 (+ possible expansion into further funder experiments)	15 partners as of Sept 2020: ARC; CIHR; CZI; EMBO; FWF; MSFHR; NIHR; Novo Nordisk Fonden; NWO; NRC; Sloan; SNSF; UKRI; Volkswagen Foundation; Wellcome	
RoRI projects – overview of first wave (2020-2021)				

Title

How do grant application criteria influence

inequalities in research funding?

Transforming 'excellence':

Timetable

June 2020 -

Sept 2021

(+ possible qualitative

follow-up project)

Keyword(s)

CRITERIA

EXCELLENCE



Core team

leads

Matt Thakur

Vincent Traag

Danil Mikhailov

Wolfgang Kaltenbrunner

Stephen Pinfield

Thomas Franssen

Sarah de Rijcke

Adam Dinsmore

Danil Mikhailov

Next steps

Initial scoping work now

underway. Project partner

meetings in late May/

early June

Initial scoping now underway.

Project meetings in late

May/early June. Drop-in

session 12:00-13:00 BST

Weds 27 May

Work underway.

Request for Proposals

published in September 2020.



Strategic Partners

involved / interested

11 partners as of Sept 2020:

AAS. CIHR; CZI; EMBO; MSFHR;

Novo Nordisk Fonden; NRC; NWO;

W/DBT India Alliance; UKRI; Wellcome

FAIRware scoping to date

- Request for Information sought feedback from potential suppliers and other organisations active in the FAIR data space.
 - Responses indicated that the proposed initiative was feasible and timely.
 - Cultural challenges remain i.e. consensus building among Funders w/r/t the FAIR principles.
 - Many groups already active on the problem of defining FAIR and making it machine actionable.
 - FAIRsFAIR.eu
 - Several RDA Working Groups (inc. FAIR Data Maturity Model).
 - FAIRSharing.org.
 - GO FAIR (inc. M4M workshops).
- RoRI well placed to act, drawing together:
 - Material resource to support software development.
 - Technical capacity to lead project.
 - Convening power to draw funders together to build the necessary consensus.



Project Governance Structure

Steering Group



5 partners as of June 2020:

CIHR; FWF; NIHR; SNSF; Wellcome

Advisory Partner



Project Group



Wellcome Data Labs



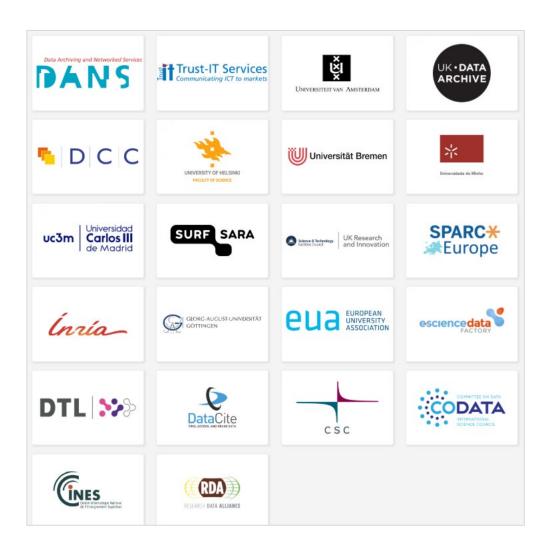
Development Partner(s)

FAIRware developer community.

Members to be selected by RFP (December 2020).



Project partner – FAIRsFAIR.eu



- FAIRsFAIR is a multi-centre collaborative programme funded by the European Commission and coordinated by DANS.
- FAIRsFAIR aims to supply practical solutions for the use of the FAIR data principles throughout the research data life cycle, and embed FAIR principles and practices as a key element of the European Open Science Cloud.
- Will advise the FAIRware Steering/Project groups on implementation of FAIR assessment for research data and software (subject to MOU).

FAIRsFAIR Data Object Assessment Metrics

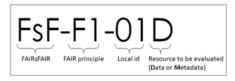


Figure 1. Anatomy of FAIRsFAIR metric identifier

The following is a list of 13 FAIRsFAIR data assessment metrics. At present, the metrics address the FAIR principles, except A1.1, A1.2 (communication protocol) and I2 (FAIR vocabularies).

Table 2. List of Metrics.

Identifier	Name	
FsF-F1-01D	Data is assigned a globally unique identifier.	
FsF-F1-02D	Data is assigned a persistent identifier.	
<u>FsF-F2-01M</u>	Metadata includes descriptive core elements (creator, title, data identifier, publisher, publication date, summary and keywords) to support data findability.	
FsF-F3-01M	Metadata includes the identifier of the data it describes.	
FsF-F4-01M	Metadata is offered in such a way that it can be retrieved by machines.	
FsF-A1-01M	Metadata contains access level and access conditions of the data.	
FsF-A2-01M	Metadata remains available, even if the data is no longer available.	
<u>FsF-I1-01M</u>	Metadata is represented using a formal knowledge representation language.	
<u>FsF-I1-02M</u>	Metadata uses semantic resources.	
<u>FsF-I3-01M</u>	Metadata includes links between the data and its related entities.	
FsF-R1-01MD	Metadata specifies the content of the data.	
FsF-R1.1-01M	Metadata includes license information under which data can be reused.	
FsF-R1.2-01M	Metadata includes provenance information about data creation or generation.	
<u>FsF-R1.3-01M</u>	Metadata follows a standard recommended by the target research community of the data.	
<u>FsF-R1.3-02D</u>	Data is available in a file format recommended by the target research community.	

FIELD	DESCRIPTION	
Metric Identifier	FsF-F1-01D	
Metric Name	Data is assigned a globally unique identifier.	
Description	A data object may be assigned with a globally unique identifier such that it can be referenced unambiguously by humans or machines. Globally unique means an identifier should be associated with only one resource at any time. Examples of unique identifiers of data are Internationalized Resource Identifier (IRI) ¹² , Uniform Resource Identifier (URI) such as URL and URN, Digital Object Identifier (DOI), the Handle System, identifiers.org, w3id.org and Archival Resource Key (ARK). A data repository may assign a globally unique identifier to your data or metadata when you publish and make it available through its curation service.	
FAIR Principle	F1. (Meta) data are assigned globally unique and persistent identifiers	
CoreTrustSeal Alignment	R13. The repository enables users to discover the data and refer to them in a persistent way through proper citation	
ASSESSMENT		
Requirement(s)	Data identifier (IRI, URL) List of globally unique identifier schemes	
Method	Check if the identifier is specified based on a globally unique identifier scheme.	
COMMENTS		

Related Resources:

- Identifiers compiled by FAIRsharing, https://fairsharing.org/standards/?q=&selected_facets=type_exact:identifier%20schema
- A list of Uniform Resource Identifier (URI) schemes, available in different formats, https://www.iana.org/assignments/uri-schemes/uri-schemes.xhtml#uri-schemes-1
- Uniform Resource Identifier (URI) Generic Syntax (RFC 3986), https://tools.ietf.org/html/rfc3986

FAIRsFAIR Data Object Assessment Metrics:

https://www.fairsfair.eu/fairsfair-data-object-assessment-metrics-request-comments



FAIRware RFP (e.t.a. Sept 2020)

- Two Key Tasks: applicants will be asked to describe how they would 'DESIGN' and/or 'BUILD' a MVP in partnership with Wellcome Data Labs as part of an Open Source Community of Collaboration
- Applicants can bid to undertake one or both key tasks.
- Joint applications from teams with complementary skills welcomed.
- FAIRsFAIR an official project partner.
- Applicants encouraged to challenge our thinking, suggest alternative approach.



Alignment of funder expectations

Strategic allocation of resources

Guidance for researchers and institutions

Discipline-specific standards and practice



Key Design Principles

- **Open source:** all code must be open source, so it can be assessed, built upon and used by the community to enhance the tool.
- Accessibility: the tool must meet WCAG 2.1's AA standards for web content accessibility.
- **Harmonisation:** the tool should build upon existing and ongoing initiatives in the FAIR data space.
- Modular, iterative, adaptable: as FAIR policies and guidelines develop, FAIRware will need to develop in lockstep to ensure the assessments it provides remain relevant to user requirements.
- Breadth of application: the tool should be based on core criteria for assessing the FAIRness of particular output types that are applicable across the full spectrum of research fields but allow for the incorporation of discipline-specific standards where they exist and over time.

- Partnership and buy-in: the consensus criteria on which the tool is based should have the buy-in and support of partner funders and the wider FAIR data community.
- User focus: the development of the tool should incorporate extensive usability testing to ensure that it meets the needs of key user groups (funders, researchers and institutions).
- Actionable advice: the tool should provide practical and actionable advice on how the FAIRness of outputs may be enhanced.
- Sustainability: the tool must be actively maintained and developed over time so its value persists, with applications encouraged from devs future-proof tech stacks.









Driving the paradigm shift towards Open Science: FAIR data

RDA's FAIR Data Maturity Model Workshop

Sept 16th, 2020

Kostas Repanas & Carlos Casorrán

European Commission

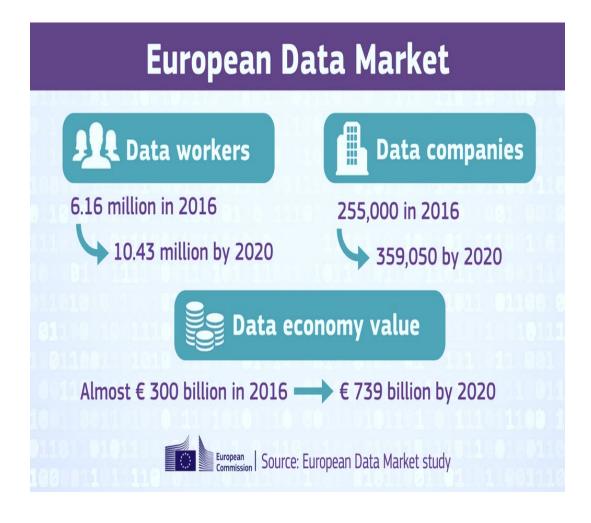
Directorate-General for Research and Innovation

Open Science unit

Data

 Data is the main asset of the digital economy

Data production continues to grow exponentially → from 33 zettabytes in 2018 to 175 zettabytes in 2025



 Poor data management incurs an opportunity cost in the billions of euros

 Research/Science is one of the main data producing/consuming domains



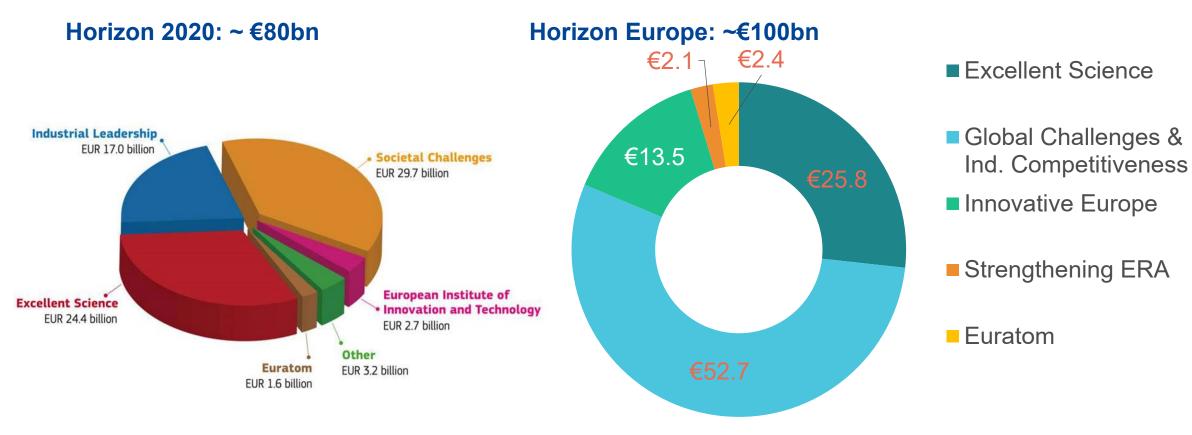
Open Science

- Open Science means sharing knowledge and tools as early as possible, not only between researchers and between disciplines, but also with society at large.
- Open Science improves the quality, efficiency and creativity of research and the trust by society in science. In particular, OS is beneficial for science, scientists and funders, e.g.:
 - tackles the reproducibility crisis;
 - faster response to societal challenges e.g. Coronavirus, Ebola;
 - access to and sharing results yields higher impact through collaborations;

- generates new research findings;
- large opportunity costs of non-FAIR data— €10.2bn/year (source: Cost-benefit analysis of FAIR research data, 2017).
- The Commission acts as **policy maker** (propose legislation and encourage MS), a **funder** (we set requirements to our projects) and a **capacity builder** (we fund 'enabling' projects).



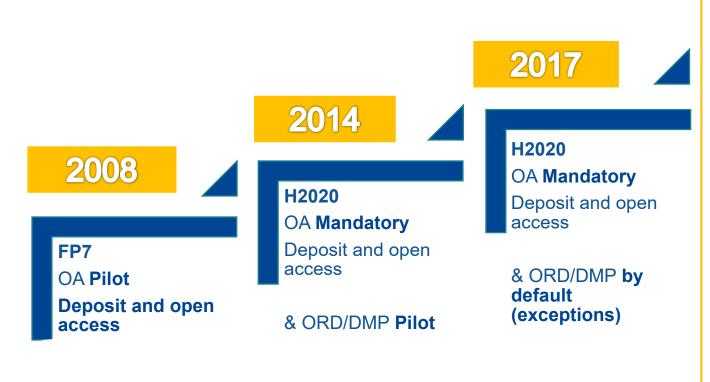
Horizon 2020 & Horizon Europe



- The Commission invests heavily in Research and Innovation.
- Over 30000 H2020 projects—Projects produce research outputs, data, deliverables, etc.
- It becomes increasingly important to make the best possible use of previous work.



Evolution of our policies across the FPs



Planned under **Horizon Europe (2021)**:

- Open Science (OA, RDM, Cit. Eng., etc.) embedded throughout the FP.
 OS to play a role in the:
 - Evaluation of proposals (methodology)
 - Grant Agreement
 - Reporting—during the project's lifetime
- Strengthening of the obligations with respect to open access and focus on responsible RDM in line with FAIR

We are pioneers!



Research data under Horizon Europe

- The governing principle will be to manage research data responsibly, in line with FAIR, and
 for data to be "as open as possible and as closed as necessary". To accomplish this, we are
 likely to see the following:
 - At proposal stage, beneficiaries will be evaluated on preliminary RDM considerations
 - All projects that generate/collect/re-use research data will have to establish and regularly update a Data Management Plan (living document and machine-actionable)
 - Beneficiaries will have to deposit data in a repository and link their data to publications they underpin, if applicable
 - Valid repositories will be those that provide PIDs for the data and ensure rich metadata in line with FAIR.
 - For some actions, an additional obligation to deposit in a repository that is federated under EOSC.
 - Beneficiaries to ensure open access ASAP under CC BY or CC0 licences (or equivalent),
 unless exceptions apply (duly justified in the DMP)

Other research outputs under Horizon Europe

- Data is not the only research output that should be managed → digital: Software, algorithms, protocols, workflows, models, and physical: reagents, antibodies, hardware, etc. all need to be properly managed:
 - We would like to see other research outputs also described in the DMP.
 - There will be a **strong encouragement** for beneficiaries to **deposit and provide open access via a repository** to these outputs, unless legitimate interests or constraints apply.
- Research outputs, either digital or physical, should also be findable, interoperable, accessible and re-usable → We need a better understanding of
 - What FAIR means for digital objects, other than data (e.g. software),
- A better understanding of FAIRness beyond data, will likely inform future funder requirements aimed at, addressing the reproducibility crisis and maximizing the impact of new research by promoting and facilitating building on previous research.

FAIR and data sharing against the Sars-CoV-2

- This effort represents a practical use case of FAIR data in action.
- The European Commission launched on 20 April the **European COVID-19 Data Platform** together with EMBL-EBI, ELIXIR, and other partners, and with the support of MS.
- The Platform is a thematic priority pilot to realise the **EOSC vision** and to showcase the added value of **FAIR data sharing** to advance science and benefit researchers
- It responds to the need to capitalise on the quick and wide sharing, re-use, processing of and access to research data and metadata on the SARS-CoV-2, and the related COVID-19 disease.
- A very strong focus is placed on ensuring that data and metadata on this Platform are as **open** and as **FAIR** as possible (not always possible, because of the types of data, or because of the limited curation at the submission end). To maximise the FAIRness of the data, e.g. ELIXIR-NO is performing manual curation on the viral sequences received.
- Crucial lesson: Researchers need quick and unrestricted access to multiple data sources to accelerate their research. FAIR data is an essential component in this.

How do we move forward?

- FAIR data are an essential component in Open Science policies to use the wealth in data to generate new and impactful research and tackle the reproducibility crisis
- As a funder, the European Commission, will impose stringent requirements on all Horizon Europe projects with respect to publications, data, and other research outputs
- Specifically, with respect to data, the focus will be on responsible research data management in line with the FAIR principles
- The community-backed work developed under the FDMM WG represents a blueprint on which further evaluation mechanisms of FAIRness can be built.
- Assessment of FAIRness, either by funders, or supported by FAIR-enabling repositories (certified or trustworthy), will raise awareness and increase levels of compliance across the board.

Keep in touch



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Thank you



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OPENDISCUSSION







Survey on FAIR assessments

Problem statement

Improve the understanding of benefits and challenges of the FAIR assessments from the perspective of the funders and communities.

Objectives

- Formulate conclusions and recommendations on the level of policy, (i.e. better understanding of the perspectives of both sides)
- 2. Finding out how the research community and the funders' community might want to use the model and what changes they would want to see

Format and output



- E-survey
- Voluntary basis
- 8-point questionnaire



Anonymise, compile and analyse the results, draw conclusions and propose recommendations for further actions to improve understanding









Possible topics for the next versions of the model

- Approaches toward evaluation of FAIR assessment tools and services, taking into account community aspects
- Consensus within the communities for the priorities of the indicators, respecting the different targets for FAIRness and speeds of implementation
- Cross-community interoperability and evolution of standards
- Role of landing pages and human readable documentation
- PID practices across communities (identifiers for metadata, data, separately, combined)
- Metadata practices:
 - Role of generic platforms / repositories in improving domain-specific metadata
 - Metadata at several levels (collection level, individual level)
 - Consensus on minimum level for 'Rich' metadata
 - Shared understanding of knowledge representation
- Data granularity (collection, dataset, data item)









Quick poll – topic prioritisation

What should be our top priority for the next revision of the model?

multiple answers allowed

Join at slido.com #52695











Maintenance and governance

2020

2021

2022

Preparation for the maintenance

Maintenance and preparation for the 1st revision

1st revision of the model

- Identify topics that need clarification and consensus
- Address the governance and maintenance practical aspects

Develop the topics identified and propose consensus-driven solutions to optimize the model and move away from a fit-for-all to a tailored solution

Put into motion the necessary changes identified









16 of September

WORKSHOP #10

End of November

CODATA FAIR symposium
Wrap-up of the FAIR data
maturity model and defining
priorities for 2021

Late October – Early November

WORKSHOP #11
Report on the survey,
developement of the topics
proposed for voting

survey on benefits and challenges of FAIR assessments

maintenance and governance plan



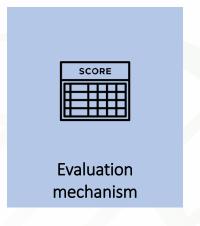


FAIR data maturity model

Stay in touch!

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







- RDA FAIR data maturity model WG GitHub
- RDA FAIR data maturity model WG Mailing list

images: Flaticon.com



