



FAIRsFAIR
Fostering Fair Data Practices in Europe

FAIRsFAIR

Coming together to build a FAIR and functioning EOSC

FAIRification of Services – Two Examples
8 April 15:00 PM CEST
Jessica Parland-von Essen parland@csc.fi



Our objective

Help **survey the landscape of FAIR activities** in relation to EOSC and identify where dialogue and collaboration can be encouraged.

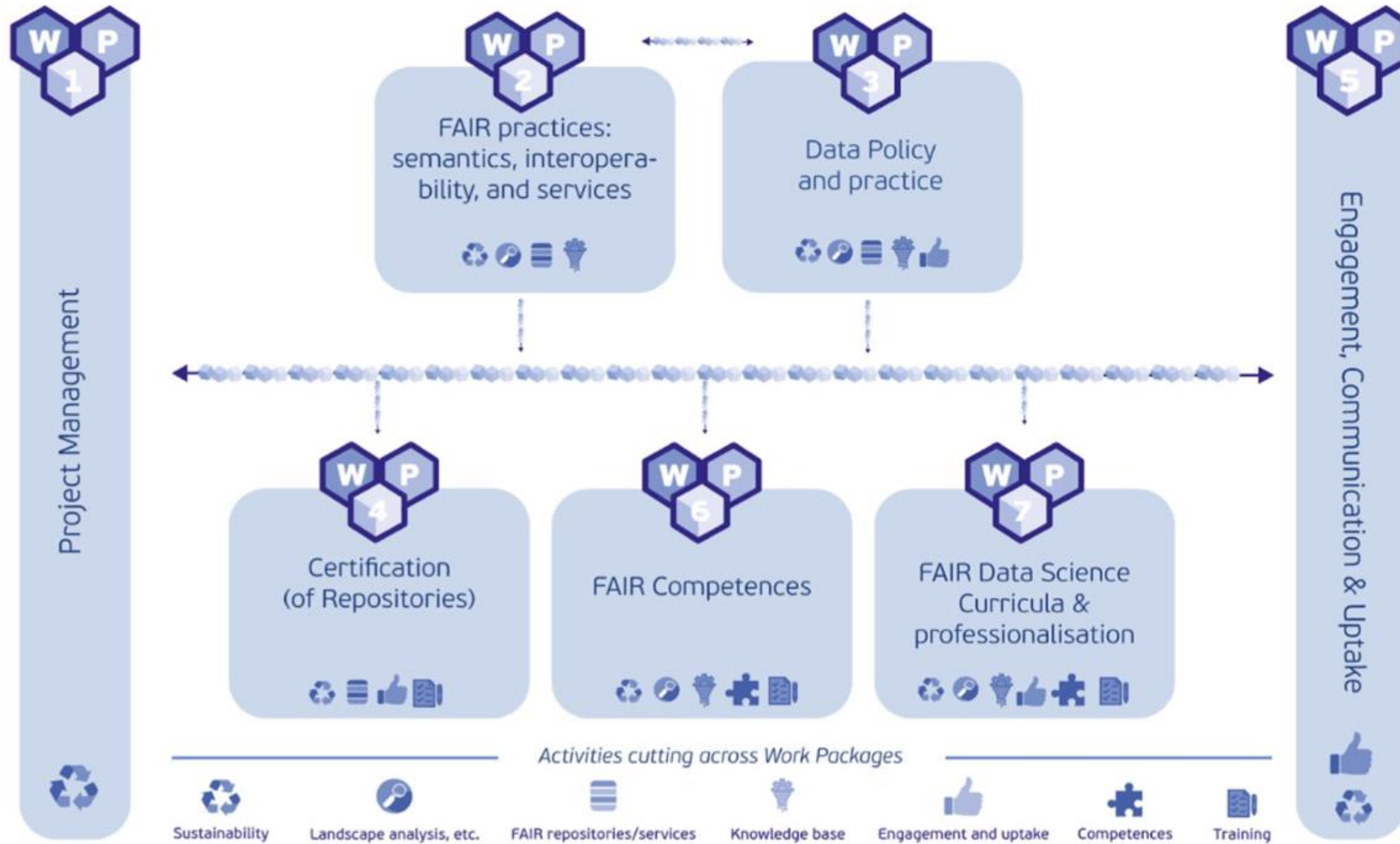
Create a **basis for harmonisation** efforts to bring together the various actors working in the **FAIR ecosystem** and build a **functioning EOSC** and **active community** around EOSC.

Specifically we aim to **identify overlaps, divergences and challenges** related to FAIR within the EOSC framework, with a special focus being given to the **interaction between FAIRsFAIR and the FAIR related initiatives, including the EOSC Cluster projects.**

FAIRsFAIR Key facts

- Starting date: March 1, 2019
- Duration: 36 months
- 22 partners from 8 Member States (MS)
- 6 core partners: DANS (project coordinator), CSC, DCC, Trust-IT, STFC, EUA

Work Packages



WP2: FAIR Practices: Semantics, Interoperability, and Services

- Create the bases for continued work on sustainable technical implementation of the FAIR principles on a broad level and improve the understanding of the **current variety in FAIR data standards**
- Improve the **semantic interoperability** of research resources by specifying FAIR metadata schemas, vocabularies, protocols, and ontologies
- Provide solutions for **interoperability requirements and machine accessibility** for FAIR repositories
- Define the extent to which the FAIR concept can be applied to **data services** (including **software**)
- **Identify gaps regarding semantic interoperability, metadata and PIDs**

D2.1 Report on FAIR requirements for persistence and interoperability 2019

<http://doi.org/10.5281/zenodo.3557381>

This document is the first iteration of three annual reports on the state of FAIR in European scientific data by the FAIRsFAIR project. The interpretation of the FAIR data principles and their implications for services are now under intense scrutiny across Europe with multiple possible outcomes. The report is based on studies of public information, especially EOSC infrastructure efforts, and on limited surveying and interviews. The focus has been on understanding the usage of persistent identifiers and semantic interoperability. This study highlights the rapidity of change in technical solutions and wide variation across scientific domains in the uptake. More efforts are needed to guide researchers in best practices.

Request for comments:

► We are seeking wide feedback on this draft which will inform other areas of work within the FAIRsFAIR project. Comments and suggestions can be added at

https://docs.google.com/document/d/1LPMpuDSylhzYT6S3bG2KPecdDXn-af4bJxzX2r_xLIs/edit



D2.2 FAIR Semantics: First recommendations

<https://doi.org/10.5281/zenodo.3707985>

This document is the first iteration of recommendations for making semantic artefact FAIR. These recommendations result from initial discussions during a brainstorming workshop organised by FAIRsFAIR as co-located event with the 14th RDA Plenary meeting in Helsinki. We are proposing 17 preliminary recommendations related to one or more of the FAIR principles and 10 best practice recommendations to improve the global FAIRness of semantic artefacts. These initial recommendations should not be considered as a gold standard but rather as a basis for discussion with the various stakeholders of the semantic community.

Request for comments

► We are seeking wide feedback on this draft which is also discussed within the RDA VSSIG Vocabulary Services Interest Group

<https://www.rd-alliance.org/groups/vocabulary-services-interest-group.html>

Comments can be provided via fair_semantics@fairsfair.eu



WP3: FAIR Data Policy and Practice

WP3 aims to increase the production and use of FAIR data by **guiding necessary changes in policy and practice** at funder, repository and organisational levels.

Under community review:

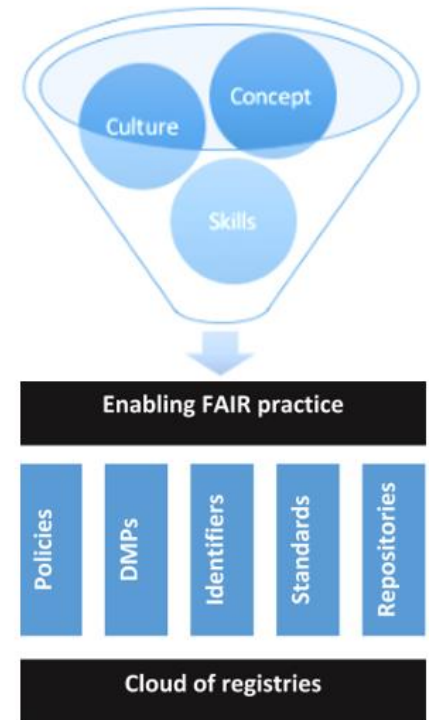
D3.1 FAIR Policy Landscape Analysis <http://doi.org/10.5281/zenodo.3558173>

Request for comments:

► We are seeking wide feedback on this draft which will inform other areas of work within the FAIRsFAIR project. Comments and suggestions can be added at https://docs.google.com/document/d/1EaPCF_9ir9bNg9MPBe3heT1wNuDuS8tJ/edit?dls=true

D3.2 FAIR Data Practice Analysis

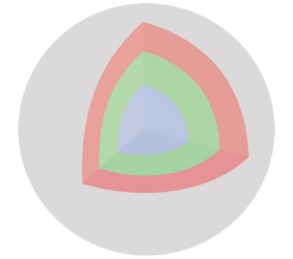
<https://zenodo.org/record/3581353#.XkJtNFJKhTY>



FAIRsFAIR version of the Turning FAIR into Reality Components of a FAIR ecosystem

WP4: FAIR Certification (WP4 leader: Ilona von Stein DANS)

- **FAIR Objects** → FAIRness evaluations of individual datasets
 - use case based iterative approach building on existing work: researchers and data repositories
- **FAIR-enabling repositories** → to support the co-development and implementation of FAIR-aligned certification schemes for data repositories, building on existing frameworks
- FAIR object and data repository **complementarity/dependency**
- Wider range of standard/assessment expectations (e.g. services, software, etc.)
→ keen to align and with other criteria that might be set for involvement in the EOSC, e.g. minimal technical standards.



Images:
<https://doi.org/10.2777/54599>
and <https://icon-library.net/icon/data-repository-icon-5.html>

Ongoing work, Deliverables and Milestones until the end of Q2 2020

WP4 **delivered** outputs:

- **Open Call** for repository involvement
 - 10 repositories selected for in-depth FAIR-aligned repository certification support (WP4)
- D4.1 Recommendations on Requirements for Fair Datasets in Certified Repositories
<https://doi.org/10.5281/zenodo.3678716>. Request for comments. <https://fairsfair.eu/fairsfair-deliverables-community-review>
- **Initial set of proposals for repository evaluation** including assessment of maturity towards enabling long-term FAIR objects (March 2020)
- **Evaluation of procedures and processes** of repository certification mechanism (March 2020)
- Associated documents: [FAIR Principles: Baseline Comments](#), [Generic Assessment & Evaluation Reference Model](#), [FAIR Ecosystem Components: Vision](#), [CoreTrustSeal+FAIR Overview](#)

WP4 **upcoming** outputs:

- **May 2020** - D4.2: **initial version of a repository certification mechanism** Open to iterations afterwards.
- **Aug 2020** - M4.9: first prototypes of FAIR data assessment tools. Further developed through testing, feedback and pilots .



(5a)



**Regional Nodes / Thematic
Projects (5b)**

NI4OS Europe



FAIR (5c)



**EOSC
Governance Board**

**EOSC
Executive Board**

Landscape WG

Rules of Participation WG

**Architecture
WG**

**FAIR
WG**

Sustainability WG

**INFRAEOSC-5 Cross Project Collaboration
Board**

INFRAEOSC-5 Task Forces

'Horizontal'



ESFRI Clusters



Other FAIR initiatives



Thank you and enjoy the webinar!

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