



Laura Molloy and Peter McQuilton
18 Dec 2020 .

During a hackathon which took place between 11 and 15 December 2020, representatives from [FAIRsFAIR](#), [FAIRsharing](#), [ELIXIR](#), [EOSC-Pillar](#), the [Digital Curation Centre](#), [DANS](#), [CINES](#) and [CODATA](#) annotated training materials with FAIR data terms from the current version of the [Terms4FAIRskills_terminology](#).

Formal Terminology of FAIR Data Terms

The [Terms4FAIRskills](#) project aims to create a formalised terminology that describes the competencies, skills and knowledge associated with making and keeping data FAIR. When mature, this terminology will apply to a variety of use cases, including:

- Creating and assessing stewardship curricula
- Identifying, annotating and evaluating FAIR-enabling materials (e.g. training) and resources
- Formalising job descriptions and CVs with recognised, structured competencies

The completed terminology will be of use to FAIR data skills trainers, researchers identifying skill gaps in their teams, and managers seeking to fill FAIR-related roles.

Terms4FAIRskills receives EOSC co-creation grant

Terms4FAIRskills started as a volunteer, bottom-up effort and has recently received an EOSC co-creation grant. The grant will enable collaborative development of the terminology via a **core team** of ontology experts alongside a **coordinating group**. The grant also funds a series of hackathons to bring together representatives from the prospective user community.

This first virtual hackathon enabled the team to iteratively refine the terminology through the practical annotation of training materials from [ELIXIR TeSS](#) and the [RDA/CODATA Summer Schools](#). They will continue to review the terminology, add synonyms, refine the hierarchy, and adapt the current model.



Class Hierarchy

- owl:Thing
 - Activity
 - AnnotationProperty
 - FAIR4S term
 - Advise and Mentor
 - Appraise and preserve
 - Capture
 - Expose and Discover
 - Govern and Assess
 - Information security and access management
 - Integrate and Analyse
 - Plan
 - Process
 - Publish and Release
 - Resource management
 - Person/Individual
 - Soft Skill
 - Creativity
 - Operational management
 - Organizational leadership
 - Technical Concept
 - Access
 - Access control list
 - Access controls
 - Access workflow
 - Accession number
 - Analogue materials
 - Analogue signals
 - Analytical quality control
 - Analytics
 - Anomaly

Class: FAIR Assessment

IRI
http://www.fairsharing.org/fso/FSO_0000245

Annotations

rdfs:label	FAIR Assessment	lang	✕
definition	The assessment of good data practice and FAIR data stewardship.	lang	✕
term editor	Peter McQuilton	lang	✕
term editor	Philippe Rocca-Serra	lang	✕
term editor	Allyson Lister	lang	✕
term editor	Susanna Sansone	lang	✕
Enter property	Enter value	lang	

Parents

- FAIR training ✕

Enter a class name

Relationships

has context	Organization	✕
requires	Knowledge of assessing FAIRness	✕
requires	Knowledge of FAIR assessment tools	✕
requires	Knowledge of FAIR metrics	✕
requires	Knowledge of FAIR principles	✕
Enter property	Enter value	lang

The model will be tested again during a follow-on hackathon in 2021, once again through practical annotation of real world training material.

For further information about the terminology, please visit the [Terms4FAIRskills](https://www.fairsharing.org/terms4fairskills) website or follow the #Terms4FAIRskills hashtag on Twitter.

Core team

- Peter McQuilton, FAIRsharing and University of Oxford, UK
- Yann Le Franc, e-Science Data Factory
- Laura Molloy, CODATA
- Allyson Lister, FAIRsharing and University of Oxford, UK

First virtual hackathon attendees

- Hugh Shanahan, RDA/CODATA Summer Schools
- Celia van Gelder, ELIXIR / DTL
- Victoria Dominguez del Angel, ELIXIR / INRA
- Angus Whyte, FAIRsFAIR / DCC
- Marjan Grootveld, FAIRsFAIR / DANS
- Marie-Anne Maurel, FAIRsFAIR / CINES
- Samuel Viscapi, FAIRsFAIR / CINES



Coordination group

- Celia van Gelder (DTL/ELIXIR-NL, NL)
- Simon Hodson (CODATA, FR)
- Yann Le Franc (e-Science Data Factory, FR)
- Peter McQuilton (FAIRsharing and University of Oxford, UK)
- Susanna-Assunta Sansone (FAIRsharing and University of Oxford, UK)
- Hugh Shanahan (Royal Holloway, UK)
- Angus Whyte (DCC, UK)
- Laura Molloy (CODATA, FR)

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