

# Support, Training & Skills

Elizabeth Newbold 11:45–12:00



Support, training and skills are embedded in and across various activities and work packages of FAIRsFAIR

# Tools and support

- To make FAIR assessment easier and build researchers' awareness through easy-to-use tools
- To make repositories ready for FAIR

## FAIR in Higher Education

- To foster the next generation of researchers and professionals with FAIR knowledge and skills
- To support HEIs in embedding FAIR skills in curricula

# Competence centres and trainings

- To provide hands-on skills for data stewards
- To build a community and exchange platform for data stewards to exchange experience

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# Support for Repositories

All repositories can improve their practices and become more FAIRenabling.

Examples of support areas we are working on:

- Trustworthy repository certification support
- Improving the findability of repositories
- How and when to make use of tools like F-UJI and FAIR-Aware







FAIRsFAIR's Transition Support Programme for Repositories

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# **Tools to support Researchers**

Repository finder tool - developing a registry for FAIRenabling repositories extending the re3data repository finder tool

- Improved description of repository metadata
- Supported by CoreTrustSeal+FAIR alignment of repository practice with object assessment against FAIR
- Ideal outcome: improved organizational and data collection metadata





# **FAIR** Aware

- For researchers and data stewards
- Online tool to raise awareness and educate on data FAIRness
- 10 simple questions with practical tips to improve data FAIRness before deposit
- Interim report (M4.9) detailing initial lessons learnt and explaining future plans for upgrades

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# **Competence Centre**

"A shared hub of expertise in implementing FAIR data stewardship principles, offering leadership, coordination and cataloguing services to connect relevant people, guidance, learning resources and curricula"

Reviewed the landscape and set out the structure of core competence centre. Three themes:

- Advisory
- Harmonisation
- Dissemination

FAIRdata Forum (https://fairdataforum.org)

- Support the FAIR Competence Centre a networking platform to support peer-to-peer knowledge exchange
- Users will be able to actively help other users.
- Signpost to resources and tools that support FAIR initial focus on training resources and activities
- Posts form a knowledge base of shared information
- Initial use to support training activities



How can we make training materials and resource FAIR?

Apply emerging standards to describe learning resources in FAIR data stewardship.

- Promote harmonisation and coordination of efforts across communities, identifying opportunities for synergies and building on the progress of others. For example: contributing to development of Terms4FAIRskills terminology. https://terms4fairskills.github.io/
- Making training materials findable RDA Education and Training on handling of research data Interest Group (ETHRD-IG) <u>https://www.rd-alliance.org/groups/education-and-training-handling-research-data.html</u>



**Dissemination, instruction and training**. Delivering data stewardship training building on the CODATA-RDA Summer School for Research Data Science

Summer Schools

- Building on the CODATA-RDA Research Data Science Summer School Early Career Researchers includes topics related to FAIR.
- Parallel strand for Data Stewards first week common curriculum, second week ECRs and Data Stewards split.
- Shared exercises between the strands to facilitate shared understanding and learning.

## Train-the-Trainer and Franchised events

- In development: first activities delivered in November and December 2020
- Courses developed in conjunction with local hosts topics selected from core list, delivered online, use of FAIRdata Forum for discussion and sharing materials in flipped learning approach

Challenges:

- Covid-19 impact on initial planning of in-person events
- Re-think of 2020 Summer School became a virtual event for alumni of previous schools with some elements related to FAIR
- Training needs to be re-developed for an online approach not just "doing it on Zoom"
- Learning from new approaches, review of materials for different audiences/experience





# FAIR in Higher Education (WP7)

#### Mapping of university offers and needs

Deliverable 7.1 "FAIR in Higher Education" (02/2020)

Survey across 90 HEIs

- •2 focus groups with 50 participants
- •Status quo on skills provision across Bachelor, Master, Doctoral level
- •Assessment of university needs in terms of support for FAIR skills and capacity development

## RECOMMENDATIONS

- 1. ADDRESSING FAIR IN HIGHER EDUCATION
- a. Include more specific research data-related skills and competencies throughout the universities' educational portfolio
- b. Establish minimum level of awareness of RDM and FAIR
- c. Practical guidance on the application of the FAIR principles in different domains and disciplines, and related skills and competences
- Define training programmes on research data skills and competences for researchers and professional staff, from different disciplines

#### Mapping of frameworks, training initiatives

Deliverable 7.2 "Briefing on FAIR Competences and Synergies" (09/2020)

•Collection and mapping of: •other competence frameworks, •training initiatives, •institutional practices •Stakeholder workshop with LIBER

#### Findings

- Gap of resources for discipline specific practices and supporting material in form of frameworks and model courses or curricula.
- Bachelor or master-level students rarely listed as target groups of existing trainings.
- The practical use and impact of the frameworks in HEIs formal education is unclear.
- RDM training appears targeted at doctoral or postdoctoral level.
- However, plenty of resources are available → high potential for collaboration and mutual learning across institutional, disciplinary or national boundaries.

#### Work on Competence Framework & Job Market analysis

D7.3 "FAIR Competence Framework for Higher Education" (FAIR4HE) (02/2021)

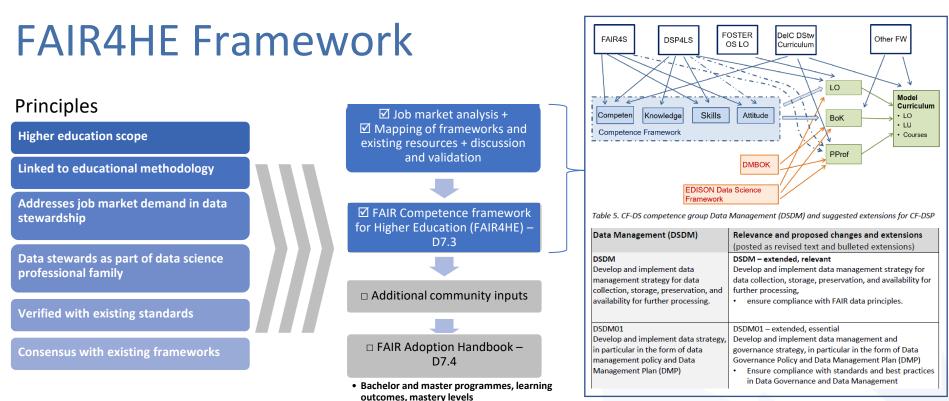
Analysis of job profiles,

•Mapping of components from resources in D7.2 to a single framework,

•Design workshop (09/2020) and conference session (FAIR Convergence Symposium, 11/2020)







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# What's next?

## FAIR4HE and curricula:

Stakeholder workshop with national RDM skill initiatives (29 April) "FAIR data competences in doctoral education programmes" (26/27 May)

Series of book sprints (1-10 June)

## **Competence centre:**

FAIRdata Forum, expand content and usage beyond initial group of users

Development and delivery of training activities

Continued contribution to emerging standards and approaches to curation of FAIR training

materials identifying areas for synergy and harmonisation

## **FAIR-AWARE:**

Try the FAIR-Aware tool FAIR-Aware (knaw.nl)