



FAIRsFAIR

Fostering Fair Data Practices in Europe

Professionalising and embedding data stewardship FAIRsFAIR Training Activities

Elizabeth Newbold (Science and Technology Facilities Council)
FAIRsFAIR Roadshow Romania – 7 July 2021

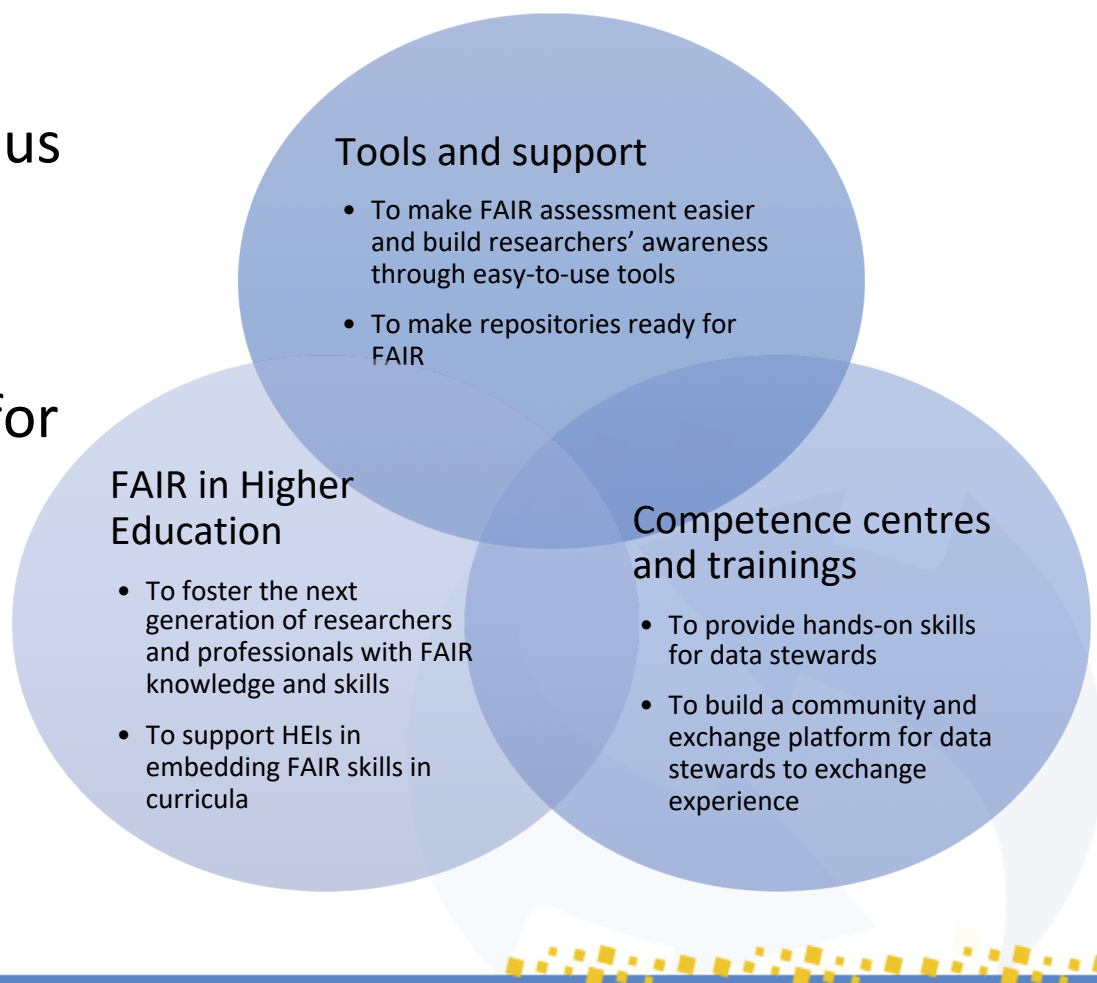


FAIRsFAIR "Fostering FAIR Data Practices In Europe" has received funding from the European Union's Horizon 2020 project call H2020-INFRAEOSC-2018-2020 Grant agreement 831558

Professionalising data stewardship through training and education

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

In this session will cover the training for hands-on-skills for data stewards



How FAIRsFAIR sees data stewards

Data stewards: Support staff from research communities and research libraries, and those managing data repositories. Data stewards typically vary in the tasks they cover in three main areas:

- embedded and operational
- generic and advisory
- policy, strategy, and coordination



Data science training

Summer Schools

Building on the CODATA-RDA Research Data Science Summer School
– Early Career Researchers includes topics related to FAIR.

2019

- Parallel strand for Data Stewards – first week common curriculum, second week ECRs and Data Stewards split.

Programme: <http://indico.ictp.it/event/8706/other-view?view=ictp timetable>

2020

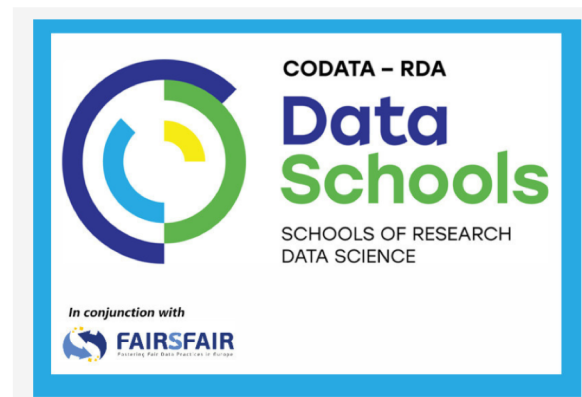
- Virtual event for past students spread over two weeks.

Programme overview: <http://indico.ictp.it/event/9113/overview>

- No data steward strand

2021

- Virtual event running from 6 September to 5 November 2021
- No data steward strand
- Further details and registration : <http://indico.ictp.it/event/9638/>



Data Stewardship/stewards training

2019

- Parallel strand for Data Stewards – first week common curriculum, second week ECRs and Data Stewards split.

Programme: <http://indico.ictp.it/event/8706/other-view?view=ictp timetable>

Pilot programme for data stewards – original plan to run it again in 2020 and 2021

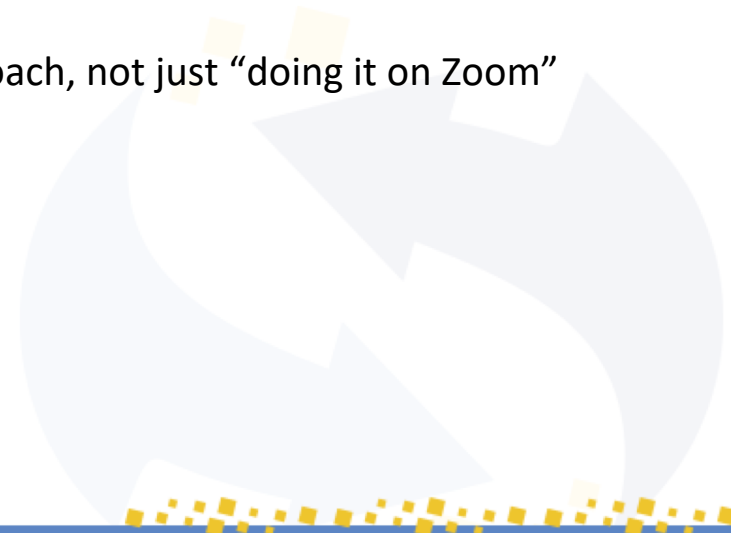
Covid and restrictions on travel required a rethinking of the data stewardship training

Major challenge

- Training needs to be re-developed for an online approach, not just “doing it on Zoom”

Revised events

- Trainings delivered in November and December 2020
 - Manchester University – November 2020
 - UNA Costa Rica – December 2020



Data Steward Instructor Training

- Train-the-trainer activities aimed at instructors who will be delivering training within their own institutions
- Aimed at data stewards/ data support roles (generic and advisory roles) in universities and other research institutions
- List of topics to choose from - topics can be swapped around
- Online sessions conducted via Zoom
- Three half days spread over one week e.g Monday, Wednesday, Friday
- Materials shared in advance
- “Homework” to be completed in between times
- Discussion forum for each day using [FAIRdata Forum](#)



EOSC-Pillar **eOSC SYNERGY**
FAIRSFAR **GHENT UNIVERSITY**

Instructor training

7, 9, 11 June 2021
Online Workshop

REGISTER NOW!

07 June 2021 - 10:00 to 11 June 2021 - 12:00

Online

FAIRsFAIR, EOSC-Pillar, EOSC-Synergy and Ghent University Instructor Training Workshop



FAIRSFAR
Fostering Fair Data Practices in Europe

NORF
NATIONAL OPEN
RESEARCH FORUM

eOSC SYNERGY

FAIRsFAIR, EOSC-Synergy and NORF Data Steward Instructor Training

12th, 14th and 16th of July

Example: Aims and Learning Outcomes

Aim

This workshop aims to introduce participants to the key concepts and drivers for Open Science, Research Data Management (RDM) and FAIR data, to consider the existing local support service they can leverage and to identify areas where collaboration with peer institutions on support provision will be beneficial.

Learning outcomes

At the end of this workshop, participants will:

- Be able to explain some of the political drivers for RDM, FAIR and Open Data
- Be able to explain the difference between FAIR and Open Data to researchers
- Be able to develop training courses to be run at their own institution using open learning resources
- Understand the range of skills and knowledge associated with data stewardship
- Collectively identify areas where collaboration on service provision is most beneficial
- Have set training goals for the next six months
- Have established a peer network

Example: Programme Overview

Day 1: Introduction and key messages

- Introduction to RDM, FAIR and Open Science
- Introduction to pedagogy
- Course development activity
- Introduction to Data Management Plan (DMP) exercise

Day 2: Data Stewardship skills and knowledge

- Understanding Responsible and Open Research: Roles for Data Stewards
- Group discussion (DMP case studies)

Day 3: RDM service development and optimisation

- Introduction of RDM service models and functions
- Group discussion (RDM service development)
- Training activity based on RISE model
- Group activity to consider future goals and next steps



A bit more detail – example of a day

Day 1 - 10:00-10:20 Overall introduction to RDM, FAIR and Open Science

10:20-10:30 NORF background and national context

10:30-10:45 What does a data steward do?

10:45-10:55 Introduction to FAIR Aware tool (<https://fairaware.dans.knaw.nl/>)

10:55-11:05 Short break

11:05-11:20 Group discussion of FAIR Aware tool

11:20-11:50 Introduction to pedagogy

11:50-12:35 Course development activity (Learning outcomes, design)

12:35-14:00 Lunch break

14:00-14:30 Feedback on course development activity

14:30-14:40 Introduction to DMP exercise





Let's assume you have research data almost ready for uploading to a repository: do you already know how you and the repository can work together to make the data as findable, accessible, interoperable and reusable (FAIR) as possible? By guiding you through the assessment process, the FAIR-Aware tool can help you to better understand the FAIR Principles [and](#) how making data FAIR can increase the potential value and impact of your data.

FAIR-Aware is an disciplinary-agnostic online tool developed by the FAIRsFAIR [project](#). Different scientific communities can adapt it to their own use. You should, however, have a target dataset in mind to be able to answer the questions and complete the assessment. The tool is not meant to give you a score for the FAIRness of a specific dataset.


This tool addresses data, but other research outputs can be made FAIR as well. If you are interested in what FAIR entails for research software, you may want to consult Five Recommendations for FAIR Software [and](#) Towards FAIR principles for research software [and](#).

The assessment starts with a few questions 'about you' followed by 10 questions about FAIR. For each question additional information and guidance can be displayed (click on the "i" icon). The majority of the questions will help you assess your current level of awareness about what actions are needed to make data FAIR. At the end, your feedback will help us improve FAIR-Aware and make it as user-friendly as possible. You will need between 10 and 30 minutes to complete the assessment depending on your familiarity with the subject and issues covered.

The FAIRsFAIR Team (DANS, DCC, UniHB)

Find out more about FAIRsFAIR on the project's website [and](#). If you have any questions, drop us an e-mail. [✉](#)

About you

Which research domain do you work in? 

Domain ▼

Which of the following describes your role? Please select all that apply.

- ☐ Researcher
- ☐ Policy maker
- ☐ Research support (e.g. data steward, curator, data manager, librarian, information technology professional)

- ☐ Funder
- ☐ Publisher
- ☐ Other

Which of the following types of organisations best describe your employer? Please select all that apply.

- ☐ Research Infrastructure/eInfrastructure (e.g. data repository, service provider, library)
- ☐ University
- ☐ Research Performing Organisation
- ☐ Government
- ☐ eInfrastructure (e.g. repository or scientific data provider)

- ☐ Funding Body
- ☐ Publisher
- ☐ Industry
- ☐ Other

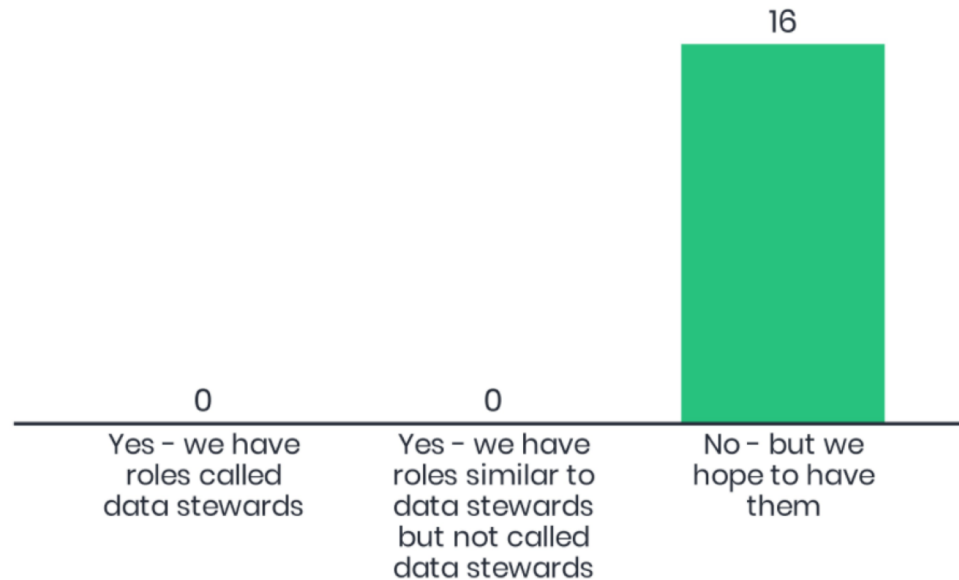


Some observations

- Increase in Universities employing data stewards/ related roles
 - Often working in small teams or singleton posts
 - Need for training and community building to support emerging roles
 - Desire to bring people together from different organisation to share experience and knowledge
- Repurposing materials for online delivery requires additional work but there are advantages
 - Lower direct costs for participants e.g. no travel costs
 - Easier for research support professionals to find the time – it would have been difficult for participants to attend a two week residential course
 - Able to increase the number of participants without increasing costs

Question?

Does your institution employ data stewards or similar support roles?



THANK YOU



Links:

- FAIRsFAIR – about training:
<https://fairsfair.eu/events/training>
- FAIRdata Forum: <https://fairdataforum.org/>
- FAIR Aware tool: <https://fairaware.dans.knaw.nl/> and further information: <https://fairsfair.eu/fair-aware>
- Article: Daniel Bangert, Joy Davidson, Steve Diggs, Marjan Grootveld, Frans Huigens, Sanjin Muftić, ... Shanmugasundaram Venkataraman. (2020). The CODATA-RDA Data Steward school. Presented at the 15th International Digital Curation Conference (IDCC20), Dublin, Ireland: Zenodo.
<http://doi.org/10.5281/zenodo.3609205>