Professionalising and embedding data stewardship
FAIRsFAIR Training Activities

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FAIRsFAIR Roadshow Portugal – 26 Nov. 2021

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

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

Data Steward Instructor training

Objective:

Support a range of communities in their activities aimed at FAIR data uptake and compliance, deliver data stewardship training

Data Steward Instructor training
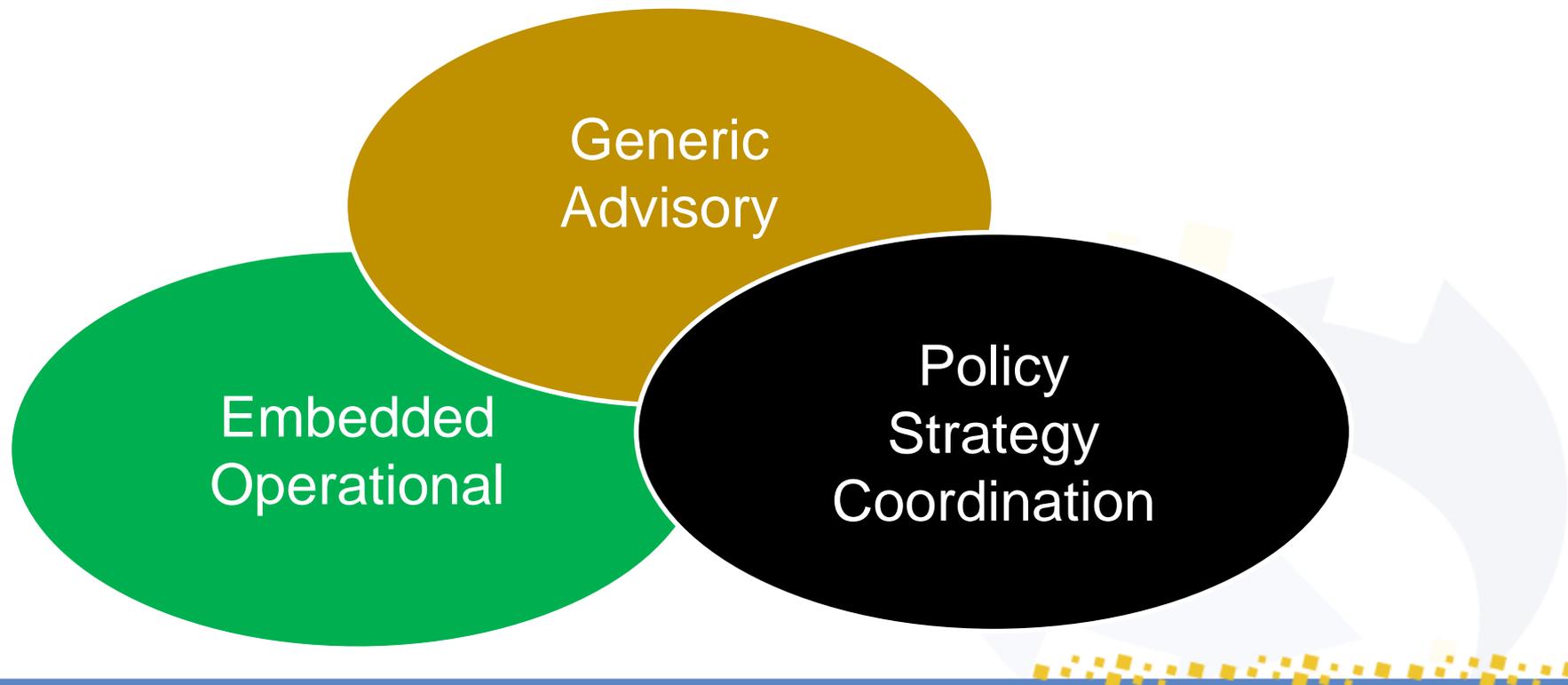
Objective:

Support a range of communities in their activities aimed at FAIR data uptake and compliance, deliver data stewardship training

Data stewards:

Support staff from research communities and research libraries, and those managing data repositories

Data Steward Instructor training

Data stewards typically <u>vary</u> in the tasks they cover.
Three main areas where we see data steward roles:

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.
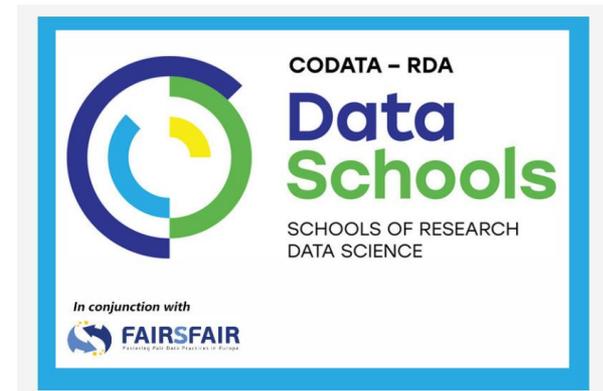
Programme: http://indico.ictp.it/event/8706/other-view?view=ictptimetable

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=ictptimetable

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

Covid19 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 chose 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

- Daily discussion on **FAIRdata Forum**

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

Online

FAIRsFAIR, EOSC-Pillar, EOSC-Synergy and Ghent University Instructor Training Workshop
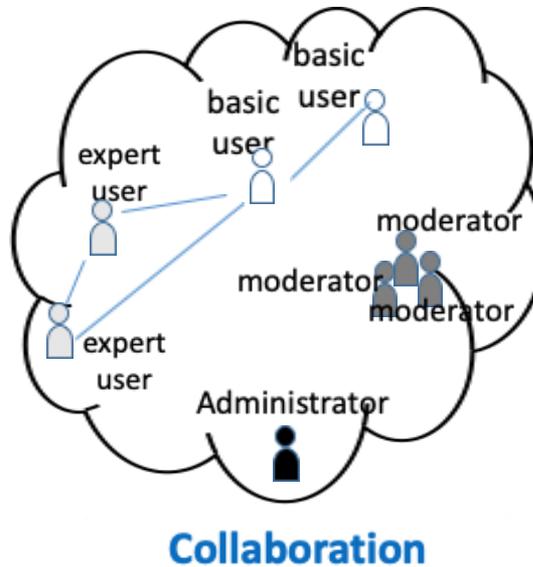
FAIRsFAIR Competence Centre - FAIRdata Forum

Community Engagement

➔ Online platform for peer-to-peer **knowledge exchange**

➔ Signpost to resources and tools that support FAIR

➔ Support Data Stewardship training

➔ Posts to form a **knowledge base** of shared information

Awareness adoption

basic user
basic user
expert user
moderator
moderator
moderator
expert user
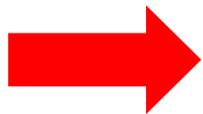Administrator

Collaboration

FAIRdata Forum

FAIRdata Forum supports the FAIR Competence Centre as an open space for users (individuals, institutions, organisations) to post queries, answers, comments and events notifications pertaining to making data FAIR. The FAIRdata Forum was initiated by the FAIRsFAIR "Fostering FAIR Data Practices in Europe" project which has received funding from the European Union's Horizon 2020 project call H2020-INFRAEOSC-2018-2020 Grant agreement 831558.

search topics, posts, users, or categories 🔍

We want to hear from you!
Over the next couple of weeks, we will begin adding some poll questions to the FAIRdata forum. The aim is to gather some feedback from the community on topics relating to FAIR. The information gathered will be used to help us shape and further develop the FAIRdata forum. All polls will be anonymous and open to all.

The first poll is now live. Click here to view & answer the poll.
Note: you will need to be logged in to add your vote.

all categories ▸   Categories   Latest   Top

Category		Topics	Latest
Welcome and Announcements Use this section to find out more about the forum, how to get started and ask questions about the forum itself.		8	⚲ How to get started? 14 Jul ⚲ How to register [Como registrarse] 14 Jul 🔒⚲ Welcome to the FAIRdata Forum! 12 Apr
What is FAIR? This section contains background information for those who are new to FAIR. If you have ideas for new topics please add a comment here and we will look into it.		2	⚲ What is FAIR? Resources & recommended reading for those wh… 29 Jul Request for recommended reading Sep '20
FAIR data competences in Universities This forum aims to open the discussion between participants in the Workshop "FAIR data competences in doctoral education programmes". Is intended to be an opportunity to present and discuss the specific needs and challenges of RDM competences and skills at the doctoral level. ■ FAIR data skills throughout educational portfolio ■ Training programmes for researchers and staff ■ Practical guidance on application of FAIR data		4	⚲ Welcome to FAIR data competences in Universities forum 18 Aug Community review for teaching and training handbook on the FAI… 27 Jul Open Science at Europe's universities: 2020-2021 EUA Open Scie… 8 Jul

https://fairdataforum.org

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⬀.

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⬀. If you have any questions, drop us an e-mail. ✉

About you 👤

Which research domain do you work in? ℹ

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

THANK YOU