



FAIRSFair

Fostering Fair Data Practices in Europe

FAIRSFair 3rd Synchronisation Force Workshop TFiR Pillar 4:Skills

Elizabeth Newbold (STFC), Hugh Shanahan (Royal Holloway University of London),
Online, 18th May 2021, 14:00 - 15:30 CEST



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

Agenda

Welcome (5 mins)

Priority recommendations (50 mins)

Break (5mins)

Whole Pillar Questions (25 mins)

Wrap-Up (5 mins)



Resources:

- [Collaborative notes](#)
- [Spreadsheet](#)
- [Turning FAIR into Reality](#)
- [2020 workshop report](#)



TFiR Pillar 4: Skills

Skills for FAIR

Rec. 10: Professionalise data science & stewardship roles

Rec. 11: Implement curriculum frameworks and training

Rec. 10: Professionalise data science and data stewardship roles and train researchers

Steps need to be taken to develop two cohorts of professionals to support FAIR data: data scientists embedded in research projects, and data stewards who will ensure the management and curation of FAIR data. All researchers also need a foundational level of data skills.

Rec. 11: Implement curriculum frameworks and training

A concerted effort should be made to coordinate and accelerate the pedagogy for professional data roles. To support uptake, skills transfer schemes, fellowships, staff exchanges and informal training opportunities are needed, as well as formal curricula.

Rec. 10: Professionalise data science & stewardship roles



Steps need to be taken to develop two cohorts of professionals to support FAIR data: data scientists embedded in research projects, and data stewards who will ensure the management and curation of FAIR data. All researchers also need a foundational level of data skills.

Action 10.1: Key data roles need to be recognised and rewarded, in particular, the data scientists who will assist research design and data analysis, visualisation and modelling; and data stewards who will inform the process of data curation and take responsibility for data management.

Stakeholders: Funders; Institutions; Research communities.

Action 10.2: Formal career pathways must be implemented to demonstrate the value of these roles and retain such professionalised roles in support of research teams.

Stakeholders: Institutions; Coordination fora.

Action 10.3: Professional bodies for these roles should be created, consolidated when they exist, and promoted. Accreditation should be developed for training and qualifications for these roles.

Stakeholders: Institutions; Data service providers; Research communities.

Action 10.4: Data skills, including an appropriate foundational level in data science and data stewardship, should be included in undergraduate and postgraduate training across disciplines, and in the provision of continuing professional development (CPD) credits for researchers.

Stakeholders: Institutions; Data service providers; Research communities.

Related recommendations: Rec. 11: Implement curriculum frameworks and training; Rec. 6: Recognise and reward FAIR data and data stewardship.

Rec. 11: Implement curriculum frameworks and training



A concerted effort should be made to coordinate and accelerate the pedagogy for professional data roles. To support uptake, skills transfer schemes, fellowships, staff exchanges and informal training opportunities are needed, as well as formal curricula.

Action 11.1: Curriculum frameworks for data science and data stewardship should be made available and be easily adaptable and reusable.

Stakeholders: Institutions; Coordination fora.

Action 11.2: Sharing and reuse of Open Educational Resources and reusable materials for data science and data stewardship programmes should be encouraged and facilitated.

Stakeholders: Institutions; Coordination fora; Data service providers.

Action 11.3: Practical, on-the-job methods of training such as fellowships and staff exchanges should be supported, as well as Train-the-Trainer programmes so the body of data professionals can rapidly scale.

Stakeholders: Institutions; Data service providers; Data stewards; Funders.

Action 11.4: A programme of certification and endorsement should be developed for organisations and programmes delivering train-the-trainer and/or informal data science and data stewardship training. As a first step, a lightweight peer-reviewed self-assessment would be a means of accelerating the development and implementation of quality training.

Stakeholders: Institutions; Coordination fora; Standards bodies.

Related recommendation: Rec. 10: Professionalise data science and data stewardship roles.

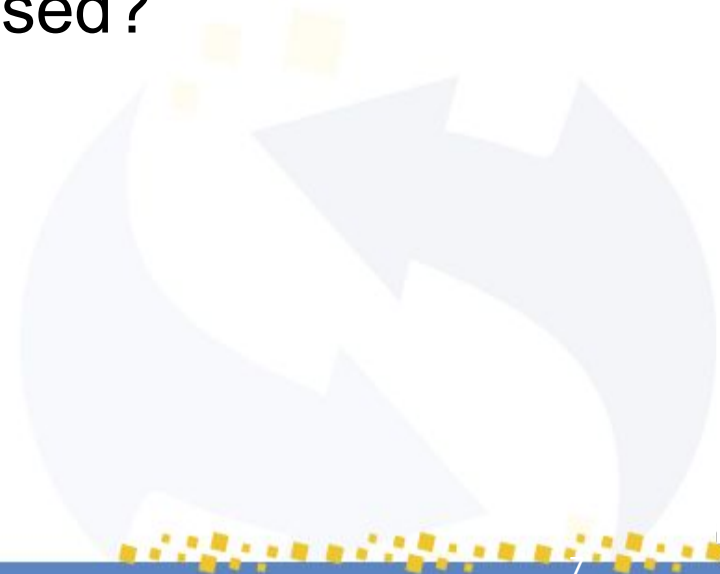
Break (14:55 - 15:00)



TFiR Pillar 4: Overall Questions

What's missing in the recommendations and actions in this pillar?

Any recommendations not addressed?



Wrap-Up

- Thank you!
- Notes & spreadsheet will remain open until May 24
- Input will be used for a report & ultimately feed into a Whitepaper
- After the event continue the discussion and engage via the FAIR Data Forum