

Training Frameworks IN Manifesto

Introduction:

The TF IN will provide the framework to deliver training of FAIR principles to a variety of communities, all of whom are key to enabling the widespread use of FAIR data and services. As outlined in a report organised by CODATA in 2017 (DOI: 10.5281/zenodo.1200276) there is an acute shortage of skills in the following areas

- Skills needed by the research data specialist function based in institutions;
- Skills needed by the institutional research data advisor and contact point;
- Skills needed by the long term stewardship function;
- Skills needed by all researchers;
- Capacity building and skills management best practice for organisation management roles.

The TF IN will focus on carrying out three tasks, namely,

- to develop and promote curriculum frameworks for FAIR data stewardship,
- to develop and support the implementation of a Train-the-Trainer programme for FAIR data stewardship, and
- to develop and support the implementation of a mechanism for endorsing training programmes for FAIR data stewardship.

The TF IN will liaise with other efforts in this field (e.g. EOSCHub) as well as the [FAIR Data Stewardship IN](#) to make the delivery of scaled training in this topics a reality.

Purpose in the Implementation Network:

Unless a variety of different communities in research and innovation have a clear understanding of FAIR principles and how to implement them in their sphere the efforts of the GO FAIR consortium will come to naught. By building on the expertise of the members of the GO FAIR consortium, the TF IN can provide the framework for what training needs to be delivered, how to scale up the number of trainers and how to ensure mechanisms of review so that training is of sufficient quality. The training itself can be designed to match FAIR principles and hence provide a lead on how to use FAIR.

Overarching Principle of Operation

“We commit to comply with the Rules of Engagement of GO FAIR Implementation Networks” [required text]. A preliminary [work plan](#) has been created.

Targeted Objectives for the TFIN:

1 Develop and promote curriculum frameworks for FAIR data stewardship. Specifically this will produce a white paper with a framework for Data Stewardship with lenses for Managers, Principal Investigators and Data Stewards themselves. This will be Open and FAIR itself and will provide guidance to organisations that wish to provide training in this area and how they match to the different areas outlined above. This white paper will be published in high impact channels.

2 Train the trainers (TtT) - a TtT programme for data skills, comprising 1) a standardised TtT framework, 2) signposting of activities and 3) a network of expertise / consortium of peer organisations to develop and advance a broad GO-Train programme of TtT activity. Specifically a project plan and proposal for TtT activity will be developed which a) describes the landscape of relevant TtT activities, b) provides a practical plan for delivery and funding of such activities and c) provides a description of funding and delivery (and perhaps an investigation of governance, sustainability and franchising).

3 Endorsement - trust in the quality of delivery of this content is paramount. No one organisation, either public or private, will dominate in the teaching of this material. Hence it is essential that mechanisms are in place that make use of lightweight mechanisms based on networks of peer review (whereby organisations can be endorsed by others in the community and hence signal quality in the field). Specifically this will produce a proposal and project plan for creating an endorsement mechanism which will provide a) criteria of good practice and professionalism and b) a community endorsed governance model and processes.

The Primary Tasks:

Task 1: Complete the execution plan & roadmap as part of the process becoming a GO FAIR Implementation Network (within 3 months).

Task 2: Deliver a white paper on the curriculum frameworks for scalable training programs relating to FAIR data (within 9 months). The frameworks will be published in a white paper. The timeline for delivery of this is detailed in a separate work plan document.

Task 3: Publish a proposal and project plan on a train the trainer network (within 9 months). The timeline for delivery of this is detailed in a separate work plan document.

Task 4: Publish a proposal and project plan on an endorsement process (within 9 months). The timeline for delivery of this is detailed in a separate work plan document.

The written outputs from task 2-4 will be published in high impact channels with an aim to these documents being a significant influence to data training in Europe.

Membership list:

We consider this Manifesto to be one way by which the undersigned stakeholders can **speak with one voice** on a number of critical issues that are of generic importance to the objectives of FAIR, and on which we feel we have reached consensus.

Note from Erik: For the sake of expediency, we should start with a few prominent players, and work on an expanded list if necessary, once the IN is launched.

- Everyone from [PARIS 2017](#) (Including FOSTER & EDISON)
- Everyone from [GO TRAIN](#)
- CODATA (Simon)
- Royal Holloway, University of London (Hugh)
- Michelle Barker, Director, Skilled Workforce and Partnerships at Australian Research Data Commons
- Carthage Smith, Senior Policy Analyst, OECD-STI
- DTL (Mateusz, Celia, Ireland's HRB, Dutch ZonMW)
- Maastricht University (Michel)
- Research Data Alliance ... who ???
- Biosemantics Group LUMC (former BYOD trainers)
- FOSTER
- AGU (Shelly Stall, Nancy J. Hoebelheinrich nhoebel@kmotifs.com)
- Natasha Simons, Associate Director, Skilled Workforce | Australian Research Data Commons
- National Data Center (christine@sdsc.edu)
- University of Virginia, Data Science Institute (peb6a@virginia.edu)
- Phortos Consultants (albert.mons@phortosconsultants.com)

- FAIRsharing (peter.mcquilton@oerc.ox.ac.uk,
philippe.rocca-serra@oerc.ox.ac.uk),
susanna-assunta.sansone@oerc.ox.ac.uk)

[List of stakeholders, either people (names & affiliations, with ORCIDs) and/or organizations. Physical signatures are not required. These stakeholders can be existing or targeted, and intended to demonstrate “critical mass” and the potential international community impact]

Date:

[To ensure timely execution of the IN intake process and IN roadmap]