

## Activity 3.6 - Training current RIs staff and user communities

### WP 2

**Title:** FAIR Assessment via FAIR Implementation Profiles

**Short description of the course:** This follow-up course leverages the understanding gained in FAIR Awareness. The course focus is on how to conduct a rigorous FAIR assessment of a given resource, using FAIR Implementation Profiles (FIPs), part of the [Three-Point-FAIRification Framework](#). This approach aims to help participants to better understand FAIR implementation solutions that drive convergence across communities.

**Training objectives:** After completing the course, participants can qualify as FIP implementers (see as reference: <https://zenodo.org/records/13277614>) with the GO FAIR Foundation, giving them the confidence to raise FAIR awareness in their organizations and provide advise on how best to implement FAIR fit to purpose.

**Location:** online

**Period:** January 2025; assistance time and exam in February 2025

**Duration (days):** 5 half days (20 hours)

**Course delivery method (online course/in-person/mixed):** online course involving lectures and discussions, hands-on exercises, training videos, assistance time in workshops and a final exam for getting the qualification for a FIP facilitator

**Number of the speakers:** 2 with assistance from qualified facilitators

**Name of the speakers:** Erik Schultes, Barbara Magagna: [GO FAIR Foundation](#) (GFF)

**Short introduction of each speaker:**

Erik is an evolutionary biologist. Since 2018 Erik has been FAIR Implementation Lead at GFF. He is currently Senior Researcher at the Leiden Academic Center for Drug Research and Scientific Director at partners in FAIR. Erik is known for his leadership role in the development of machine-actionable FAIR Implementation Profiles and scalable approaches to the creation of domain relevant machine-actionable metadata.

Barbara is FAIR Development and Fellowship Coordinator with a background in landscape ecology, GIS and semantics. She is trainer of the 3-Point FAIRification Framework, for which she developed core components. Within European projects (ENVRI, eLTER, PARC) she helps to FAIR assess data and services and to develop semantic frameworks (I-ADOPT).

**Syllabus:**

Theoretical and practical training on FAIR Implementation Profiles (20 hours)

Exam and qualification

### **Extra logistical needs:**

**Notes:** This course can only be attended after completion of the FAIR Awareness course. Participation is recorded as publicly available nanopublications, exam dates will be in early Autumn to offer assistance time to happen in real world workshops before the exam.

### **Course outline:**

1. 10.1.2025: FIP

The FAIR Implementation Profile (FIP) is a qualitative method for assessing FAIR by attempting to list the resources used by a community that enable each of the FAIR Principles. The session provides insights into the theoretical background, the infrastructure supporting FIPs including the ontology on which the approach is based and the questionnaire implemented in the FIP Wizard. Participants also receive practical training and numerous examples

2. 20.1.2025: FER

This session will explain the typology of FAIR Supporting Resources and in particular the FAIR Enabling Resources (FER) addressed in the FAIR implementation profile. The different types will be discussed along with examples frequently used in practice.

3. 23.1.2025: Nanopublication

Nanopublications are a knowledge representation language to express FAIR metadata in RDF. FERs are described using nanopublications to make them reusable in the FIP approach. You will learn how to create, find and reuse them within a platform called Nanodash but also in the FIP Wizard.

4. 29.1.2025: Qualification

To be useful, FERs need to be described with good metadata. The FIP approach allows anyone to provide those descriptions. The FIP expert community curates this knowledge base by improving and qualifying the provided descriptions. In this session, the qualification process will be presented with hands-on instruction.

5. 30.1.2025: Convergence

FAIR leaves maximal freedom for stakeholders to choose implementations that best serve their needs. At the same time agreement on the reuse of standards can ensure the speedy development of wide-spread FAIR infrastructures. This session will provide methods for intelligently navigating the large implementation space and making smart decisions that maximize FAIR and minimize the needless reinvention of the wheel.