

# GO FAIR Foundation

Role, Team & Key Assets



When it all started ...

2014



**Lorentz center**

## Jointly Designing a Data FAIRPORT

Workshop: 13 - 16 January 2014, Leiden, the Netherlands

**Scientific Organizers**

- Scott Lusher, NLeSC Amsterdam
- Barend Mons, Leiden UMC

**Topics**

- Towards a Modular Blueprint 'Floor-plan' of a Safe and Fair Data Stewardship, Trading and Routing Environment
- A Public Private Partnership to Ensure Long Term Solutions for Data in the eScience Era.

The Lorentz Center is an international center in the sciences. Its aim is to organize workshops for scientists in an atmosphere that fosters collaborative work, discussions and interactions. For registration visit [www.lorentzcenter.nl](http://www.lorentzcenter.nl)

Image Structure: The 'Bright Report' by ICAP Academic Publishers. Photo: Design SuperNova Studio NL

**Lorentz center**

[www.lorentzcenter.nl](http://www.lorentzcenter.nl)

Logos at the bottom include: ROME, DTL, Science, NWO, NIPD, and Lorentz center.

2016

# scientific data

[Explore content](#) ▾ [About the journal](#) ▾ [Publish with us](#) ▾

[nature](#) > [scientific data](#) > [comment](#) > [article](#)

[Open Access](#) | [Published: 15 March 2016](#)

## The FAIR Guiding Principles for scientific data management and stewardship

[Mark D. Wilkinson](#), [Michel Dumontier](#), [IJsbrand](#)

[Arie Baak](#), [Niklas Blomberg](#), [Jan-Willem Bo](#)

[Bouwman](#), [Anthony J. Brookes](#), [Tim Clark](#), [I](#)

[Edmunds](#), [Chris T. Evelo](#), [Richard Finkers](#), [A](#)

[Groth](#), [Carole Goble](#), [Jeffrey S. Grethe](#), [Jaa](#)

[Ruben Kok](#), [Joost Kok](#), [Scott J. Lusher](#), [Ma](#)

[Persson](#), [Philippe Rocca-Serra](#), [Marco Roos](#)

[Schultes](#), [Thierry Sengstag](#), [Ted Slater](#), [Ge](#)

[van der Lei](#), [Erik van Mulligen](#), [Jan Velterop](#)

[Wolstencroft](#), [Jun Zhao](#) & [Barend Mons](#) 

[Scientific Data](#) **3**, Article number: 160018 (2016) | [Cite this article](#)

**488k** Accesses | **4555** Citations | **2031** Altmetric | [Metrics](#)

### Box 2 | The FAIR Guiding Principles

#### To be Findable:

- F1. (meta)data are assigned a globally unique and persistent identifier
- F2. data are described with rich metadata (defined by R1 below)
- F3. metadata clearly and explicitly include the identifier of the data it describes
- F4. (meta)data are registered or indexed in a searchable resource

#### To be Accessible:

- A1. (meta)data are retrievable by their identifier using a standardized communications protocol
  - A1.1 the protocol is open, free, and universally implementable
  - A1.2 the protocol allows for an authentication and authorization procedure, where necessary
- A2. metadata are accessible, even when the data are no longer available

#### To be Interoperable:

- I1. (meta)data use a formal, accessible, shared, and broadly applicable language for knowledge representation.
- I2. (meta)data use vocabularies that follow FAIR principles
- I3. (meta)data include qualified references to other (meta)data

#### To be Reusable:

- R1. meta(data) are richly described with a plurality of accurate and relevant attributes
  - R1.1. (meta)data are released with a clear and accessible data usage license
  - R1.2. (meta)data are associated with detailed provenance
  - R1.3. (meta)data meet domain-relevant community standards

2018

*FAIR  
Principles*



*FAIR  
Implementation*

<https://www.gofair.foundation/>

# GO FAIR Criteria

<https://www.gofair.foundation/criteria>

## Interpreting FAIR

The interpretation of the FAIR Guiding Principles by the GO FAIR community, and adopted by the GO FAIR Foundation as a reference for guiding FAIR implementation.

## Hourglass

A criterium for GO FAIR  
Foundation qualification

The center of the hourglass is based on minimal criteria for machine actionability. In the rest of the hourglass there is the freedom to operate.

## Openness

A criterium for GO FAIR  
Foundation qualification

As open as possible, as restricted as necessary

## No Lock-in

A criterium for GO FAIR  
Foundation qualification

No single points of failure, no provider lock-in

## Distribution

A criterium for GO FAIR  
Foundation qualification

As distributed as possible, as centralized as  
necessary

# Role of GO FAIR Foundation (GFF)

Guidance and Advice on the correct implementation of the FAIR Principles by:

- ❖ FAIR Innovation
- ❖ International Connections
- ❖ Training & Knowledge Exchange

# Who we are



Barend Mons  
Scientific Director



Barbara Magagna  
FAIR Development &  
Capacity Building Coordinator



Bert Meerman  
Director



Dario Bijker  
FAIR Knowledge  
Development & Technical  
Assistant



Judith Schneider  
FAIR Capacity Building &  
Communication Assistant



Gerhard Burger  
FAIR Developer &  
Trainer

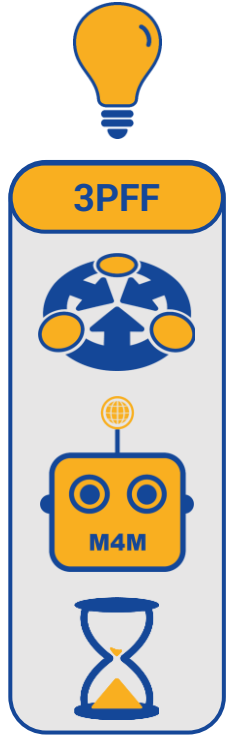


Norbert van Dijk  
FAIR Consultant



Erik Schultes  
FAIR Consultant

# The Three-point FAIRification Framework (3PFF)



## **FAIR Awareness (FA)**

Theory and history of FAIR, and current trends in FAIR and FAIR technology.

## **FAIR Implementation Profile (FIP)**

Develop and maintain a FIP to document community choices of FAIR Enabling Resources (FERs) to implement FAIR.

## **Metadata 4 Machines (M4M)**

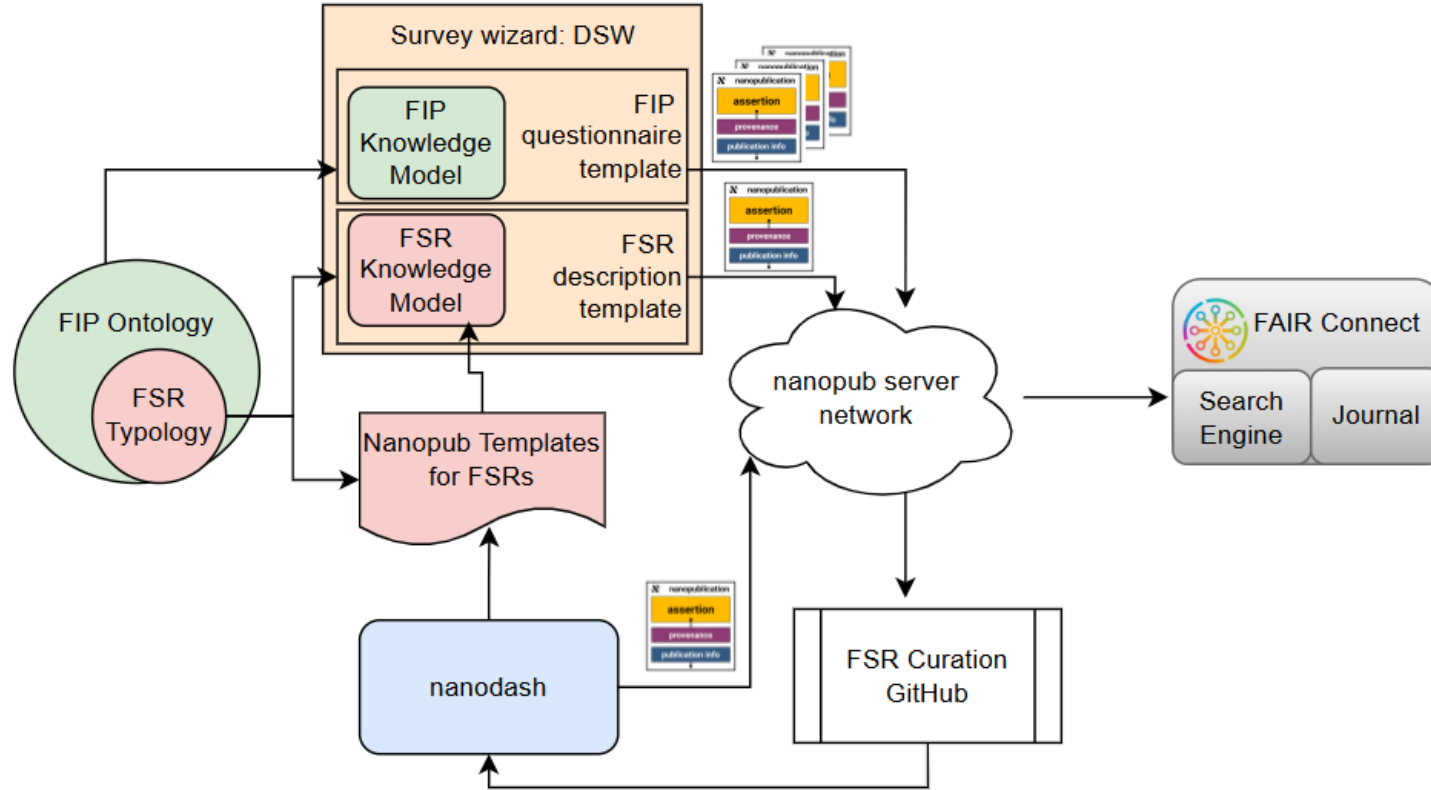
Develop domain-relevant, machine-actionable metadata schemas and vocabularies.

## **FAIR Orchestration (FO)**

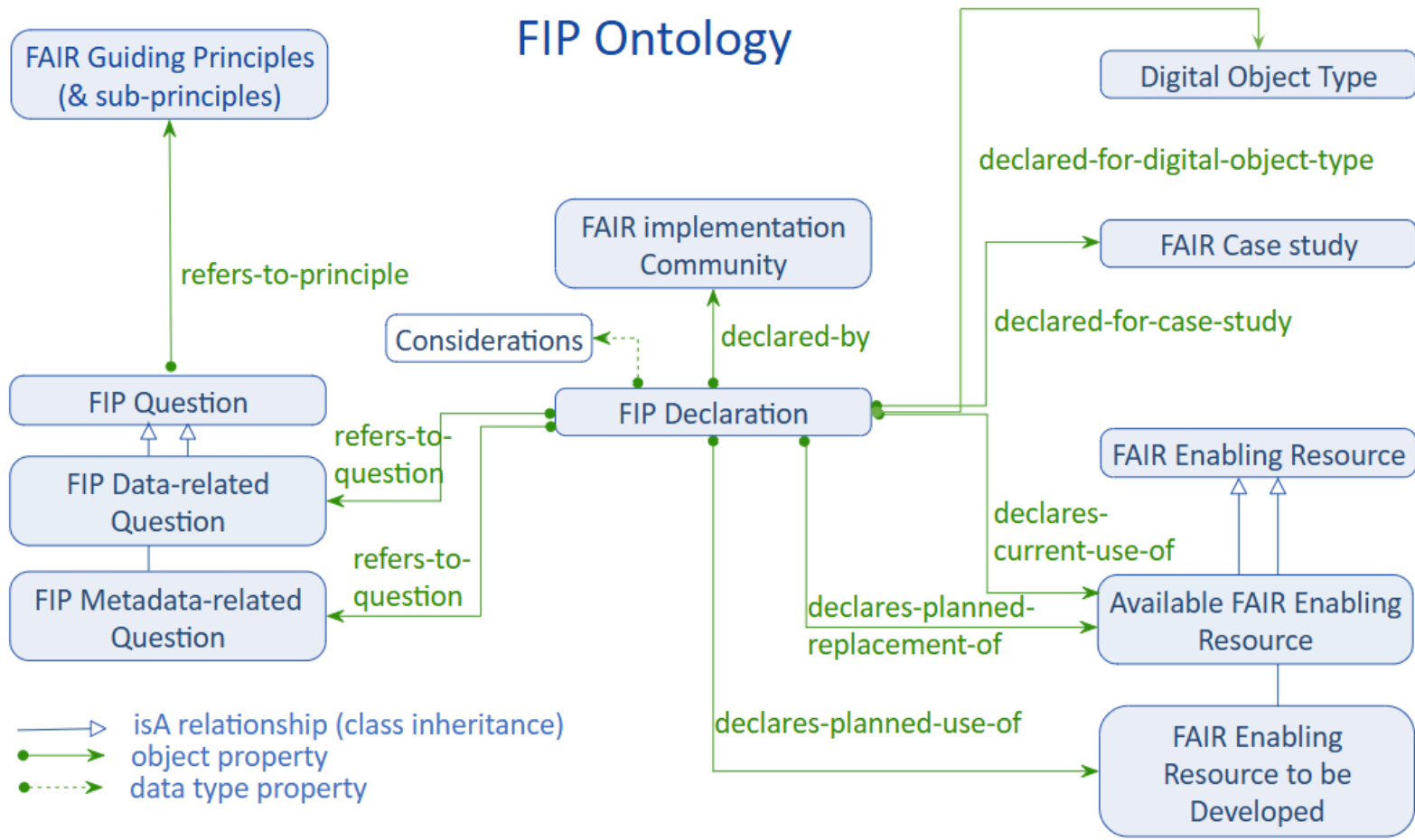
Make informed FAIR infrastructure choices.



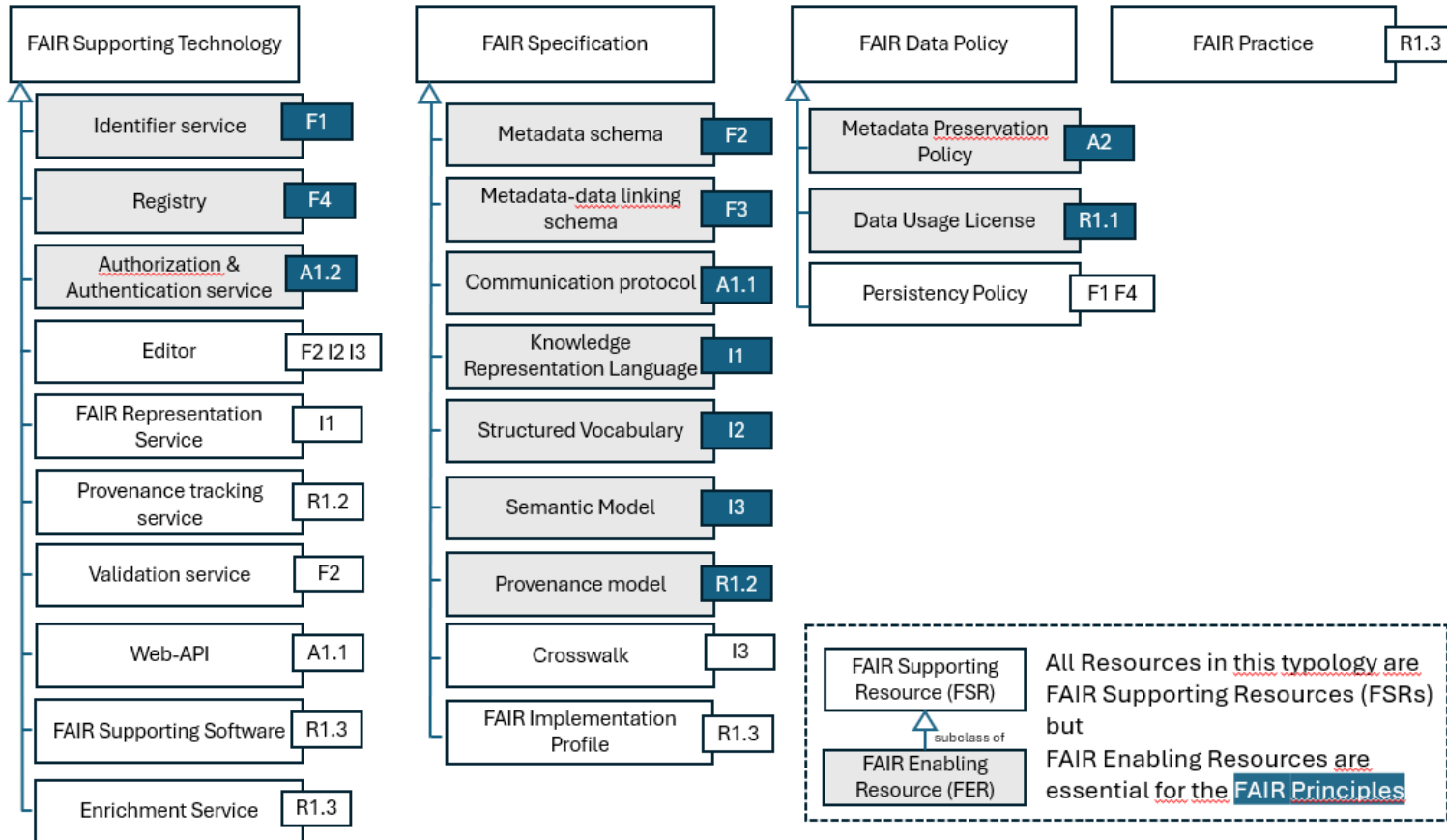
# FIP Ecosystem



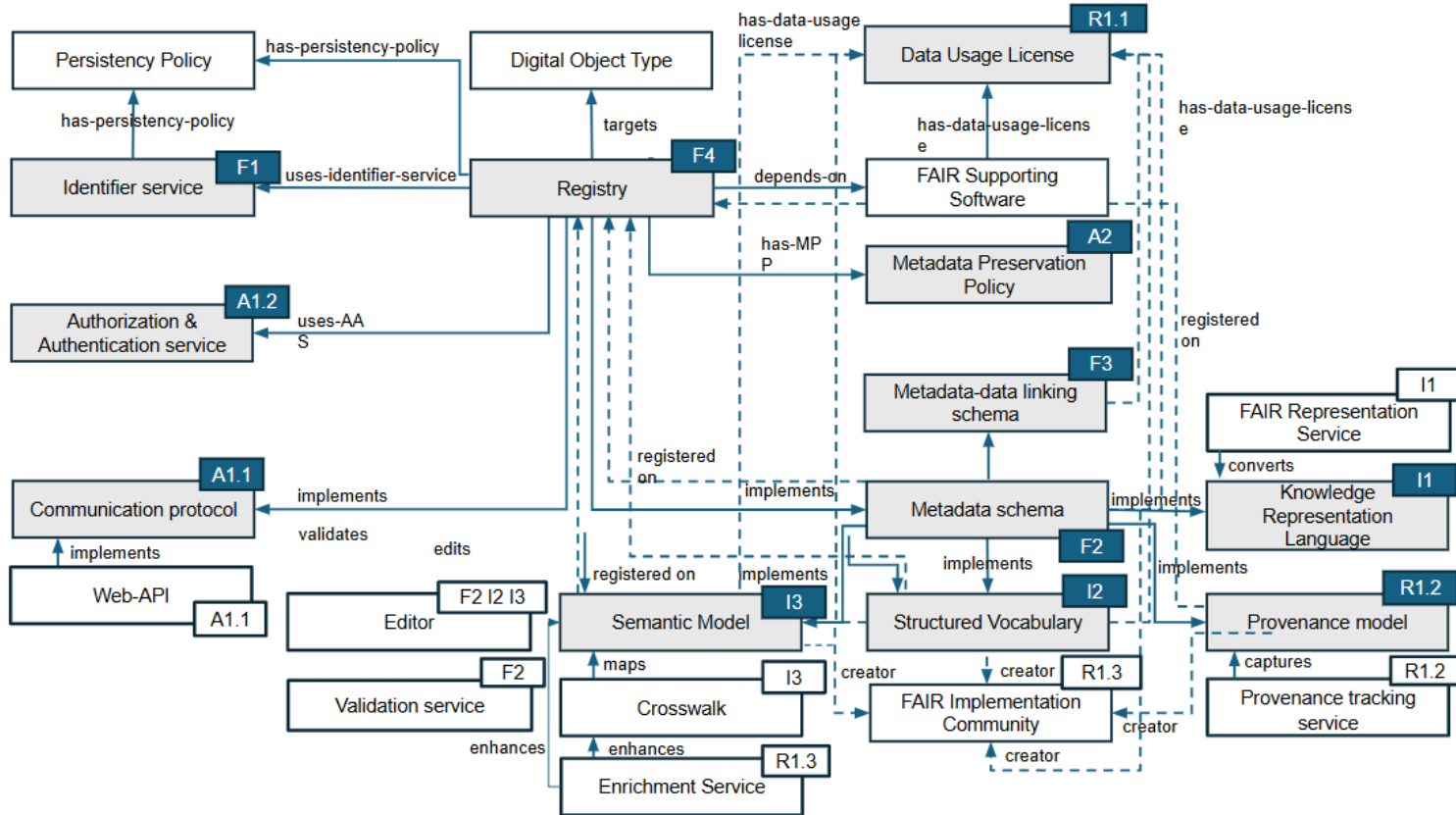
# FIP Ontology



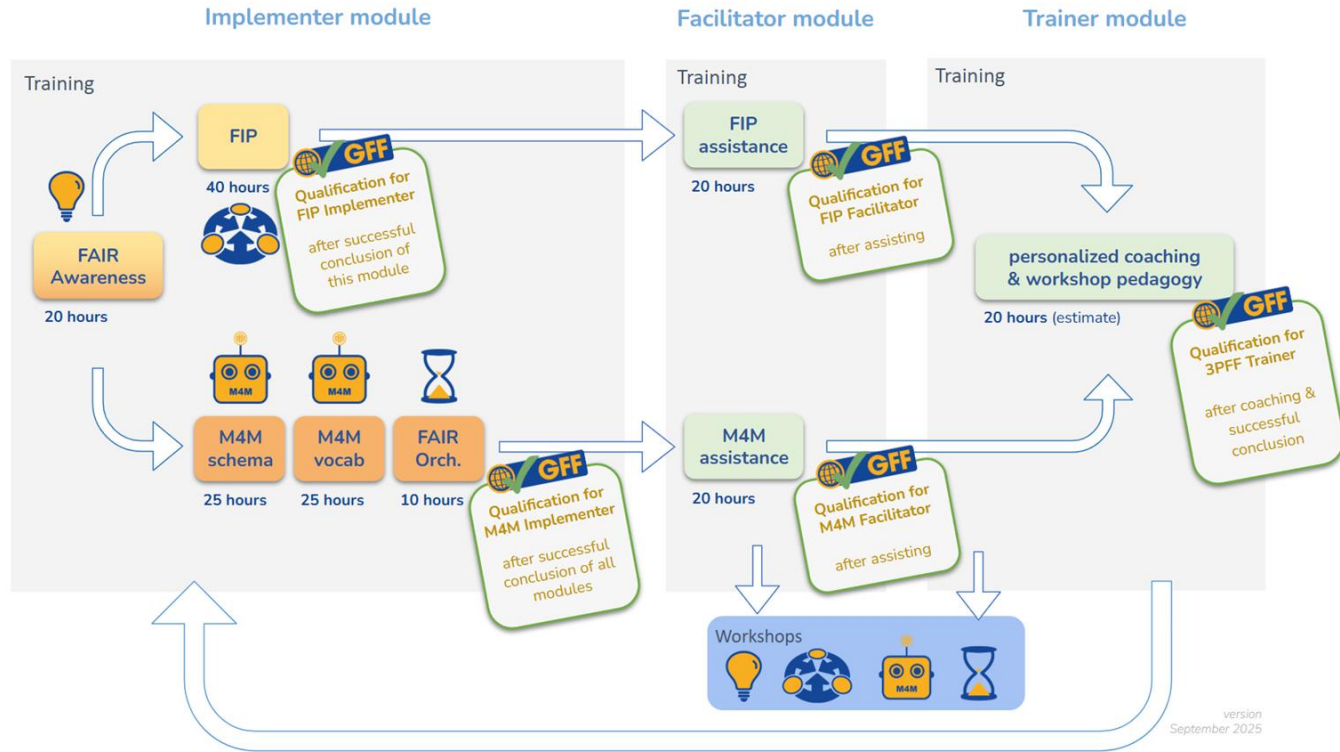
# FAIR Supporting Resource Typology



# Dependencies between FAIR Supporting Resources

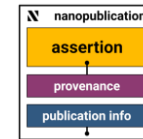


# The FAIR Capacity Building Programme (CBP)



Full details at <https://doi.org/10.5281/zenodo.17083958>

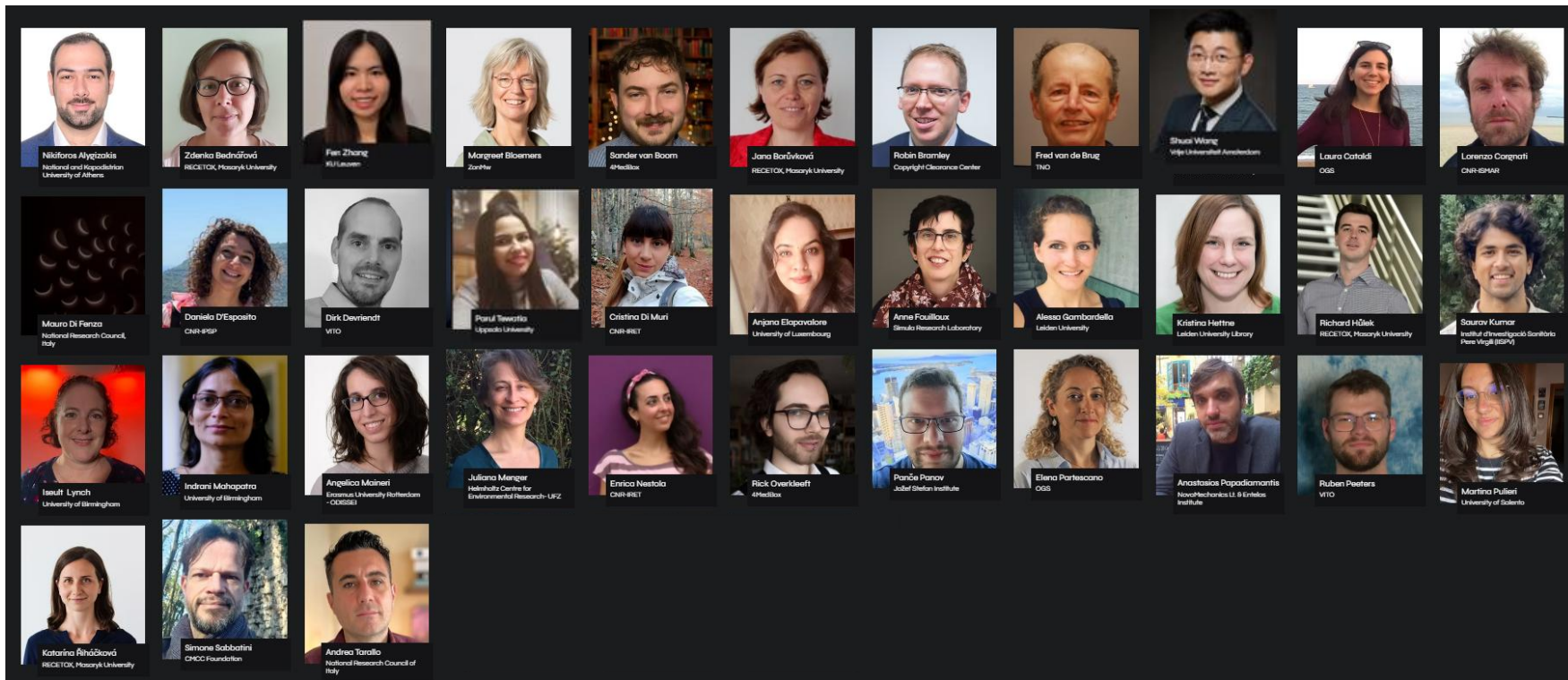
# GFF 3PFF Qualification



[https://w3id.org/np/RARnX0EDZbpTvSem7xkx5KeTyvK\\_hAGNILETCnXCFuYA](https://w3id.org/np/RARnX0EDZbpTvSem7xkx5KeTyvK_hAGNILETCnXCFuYA)

# GFF qualified 3PFF Facilitators

<https://www.gofair.foundation/qualification>





# GFF Fellowship

<https://www.gofair.foundation/fellow>

## Meet the GFF Fellows

The grid displays 24 individual profiles of GFF Fellows. Each profile includes a circular portrait, a name, a short bio, and an affiliation logo. The logos include various academic and research institutions such as CCC, simula, LUPALA, ZonMw, and others. The bios provide brief details about each fellow's background and research interests, often mentioning their role in FAIR implementation or related fields like bioinformatics, data science, and research management.

Up to 30 Fellows  
1 year - 250 hours interaction  
A family of FAIR experts working together  
on small projects on FAIR implementation







# Training Methods

- GO FAIR wiki for implementers, facilitators and trainers
- e-Learning Platform (videos, tests)
- In Person training events
- Online training events
- Hands-on using online services
- Hackathons
- Q&A sessions
- Via Fellowship

# Training Media

- **Open Science Framework** projects (open-access):  
A resource that links out to all other resources and includes presentations, recordings, links to minutes, links to the other platforms
- **Module specific Wikis** (one time fee) with GitHub account:  
include step-by-step guidelines
- **GO FAIR Wiki** (open-access):  
Stay tuned via published news
- **Mattermost** (open-access, by invitation):  
enables interactions with other trainees
- **3PFF Concept Base**  
Obsidian based overview of terms and resources
- **FAIR Learning Centre**  
Self-learning environment organized in modules with training videos and quizzes


# Open Science Framework (OSF)

 OSFHOME ▾ My Projects Search Support Donate  Barbara Magagna ▾

FA.4.2 | MusiCC FAIR Awareness 2 Metadata Files Wiki Analytics Registrations Contributors Add-ons Settings

## FA.4.2 | MusiCC FAIR Awareness 2

95.4MB Make Private Public P 0 ⋮


Contributors: Erik Anthony Schultes, **Barbara Magagna**, Arie Baak, Jacintha Schultes  
Date created: 2024-11-10 02:10 PM | Last Updated: 2024-11-13 09:43 PM  
[Create DOI](#)  
Category:  Project  
Description:  
*The second FAIR Awareness workshop for members of the Mucosal Immunity in human Coronavirus Challenge (MusiCC) project, November 20, 2024.*  
License: *CC-BY Attribution 4.0 International*




### Wiki

Background (April 2024): Mucosal Immunity in human Coronavirus Challenge (MusiCC)  
<https://www.imperial.ac.uk/news/252855/imperial-led-global-human-challenge-consortium-kick/>  
Agenda & Common Notes: [https://bit.ly/FA-4-2\\_MusiCC](https://bit.ly/FA-4-2_MusiCC)

### Files

Click on a storage provider or drag and drop to upload

Q Filter 

Name ^ v	Modified ^ v
 FA.4.2   MusiCC FAIR Awareness 2	
-  OSF Storage (Germany - Frankfurt)	
 FA.4.2 MusiCC.pdf	2024-11-13 09:43 PM

### Citation

### Components

Add Component Link Projects

Add components to organize your project.

### Tags

Add a tag to enhance discoverability

### Recent Activity

# Training Wikis:

(e.g. <https://github.com/gofair-foundation/FA-training>)

The screenshot shows a GitHub Wiki page for the repository 'gofair-foundation / FA-training'. The page title is 'How to become a nanopublisher', edited by 'mabablue' 1 hour ago. The main content includes an introduction to becoming a nanopublisher, a list of steps, a screenshot of the Nanodash interface, and a section for recommended actions.


**How to become a nanopublisher** Edit New page

mabablue edited this page 1 hour ago · [9 revisions](#)

In order to become a nanopublisher you need to have an [ORCID](#) that identifies you as a person. The **ORCID** is needed for capturing provenance information in the nanopublication.

[Nanodash](#) is a platform for generating nanopublications. Please log in with your ORCID account and grant access.

1. Click on your ORCID number



2. See your profile details where your signature key is set.

3. You can see that your local key has not yet been approved by the community of nanopublishers.

**Key for Signatures**

`M..7/z5e...` is the **local key** that is used to sign your nanopublications on this site. It is so far **not approved** by the community.

4. Check out the recommended actions:

**Recommended Actions**

It is recommended that you **execute this action**:

- Publish an introduction from scratch declaring your local key: [new introduction...](#)

**Table of content**

- [Overview training media](#)
- [How-to-become-a-nanopublisher](#)
- [GFF Capacity Building Programme](#)
- [References](#)
- [Using Github Wiki](#)

**Clone this wiki locally**

<https://github.com/gofair-foundation>

# GO FAIR Foundation Wiki

<https://wiki.gofair.foundation/>

[Home](#) [FIP](#) [Guide](#) [News](#) [FAIR Connect](#) [Contributing](#) [About](#)



## Wiki

This GO FAIR **wiki** is an effort to bring together past, current and future individual documentation efforts into one comprehensive resource. This website is still **under construction**. This wiki and all of its content are maintained by the [GO FAIR Foundation](#). The source files of this website can be found on [Github](#).

## Latest news | [All news](#)

Oct 30, 2024  
Norbert van  
Dijk

### LIFES Network Meeting

See event published here on linkedin for details.



Oct 14, 2024  
Barbara  
Magagna

### The I-ADOPT Variable Modeling Challenge 2

I-ADOPT is a candidate for an OGC standard. There are concrete plans to develop a semi-automatic I-ADOPT annotation service. In preparation, we would like to test the...



Aug 9, 2024  
Barbara  
Magagna

### GFF Capacity Building Programme Update

GO FAIR Foundation has updated its **GFF Capacity Building Programme**.



# Obsidian Concept Base

<https://www.gofair.foundation/3pff-concept-base>

 **3PFF**  
Concept Base

- 3PFF Assistance Unit
- 3PFF Concept Base
- 3PFF Event
- 3PFF Facilitator
- 3PFF Implementer
- 3PFF Trainer
- 3PFF Training Course
- 3PFF Workshop
- 3PFF
- A1.1
- A1.2
- A1
- A2
- AS-IS FIP
- Authentication and Authorization service
- CEDAR

## FAIR Capacity Building Programme

### FAIR Capacity Building Programme

The GFF has developed a FAIR Capacity Building Programme to provide extended, professional and [qualified training events](#) for data stewards who aspire to use [3PFF](#) methods in their daily work. The Programme distinguishes between [3PFF Implementers](#), [Facilitators](#), and [Trainers](#).

### More information

**Public**

- [GFF Website](#)
- [Zenodo Publication](#)
- [OSF Publication](#)

**Private**

- [FAIR Awareness Wiki](#)

#### INTERACTIVE GRAPH




Powered by Obsidian

# Mattermost communication platform ([link](#))

The screenshot displays the Mattermost interface. On the left is a dark sidebar with navigation options: 'GFF Fellows', 'Find channel', 'Threads', 'Drafts', 'FAVORITES', 'FSR', 'FSR Collections', 'SERVICE DEVELOPMENT', 'FIP Wizard', 'TRAINING MATERIAL', 'M4M training material', 'SPECIFICATIONS', and 'CHANNELS'. The main area is split into two panels. The left panel shows a channel named 'Town Square' with 72 members. It contains a message history with several posts: a message from 'mabablu' (12:14 PM) about a copy, a message from 'mabablu' (12:36 PM) about a survey, a system message from 'System' (1:02 PM) about a team member joining, a message from 'mabablu' (1:43 PM) about a qualification pipeline, and a message from 'mabablu' (8:19 AM) about whiteboard solutions. The right panel shows a thread titled 'Thread rbramley' with a 'Following' button. It contains a discussion about removing content, with 'rbramley' asking for removal, 'mabablu' explaining a diagram, and 'rbramley' responding that it's easy to change directions. The thread also includes two flowcharts: one with yellow diamonds and red rectangles, and another with yellow diamonds and blue rectangles. At the bottom, there are input fields for 'Write to Town Square' and 'Reply to this thread...'.

# FAIR Learning Centre

<https://courses.fairlearning.center/>



< Go to Dashboard



## The FAIR Implementation Profile (FIP)

0% complete

Search by lesson title ▾

- The FAIR Implementation Profile (FIP) 0/3 ^
- Introduction and learning objectives  
TEXT
- The FAIR Implementation Profile (FIP)  
VIDEO - 6 MIN
- Recap questions  
QUIZ - 3 QUESTIONS

The FAIR Implementation Profile (FIP)



COMPLETE & CONTINUE →



# Learn more ...

<https://www.gofair.foundation/training>

