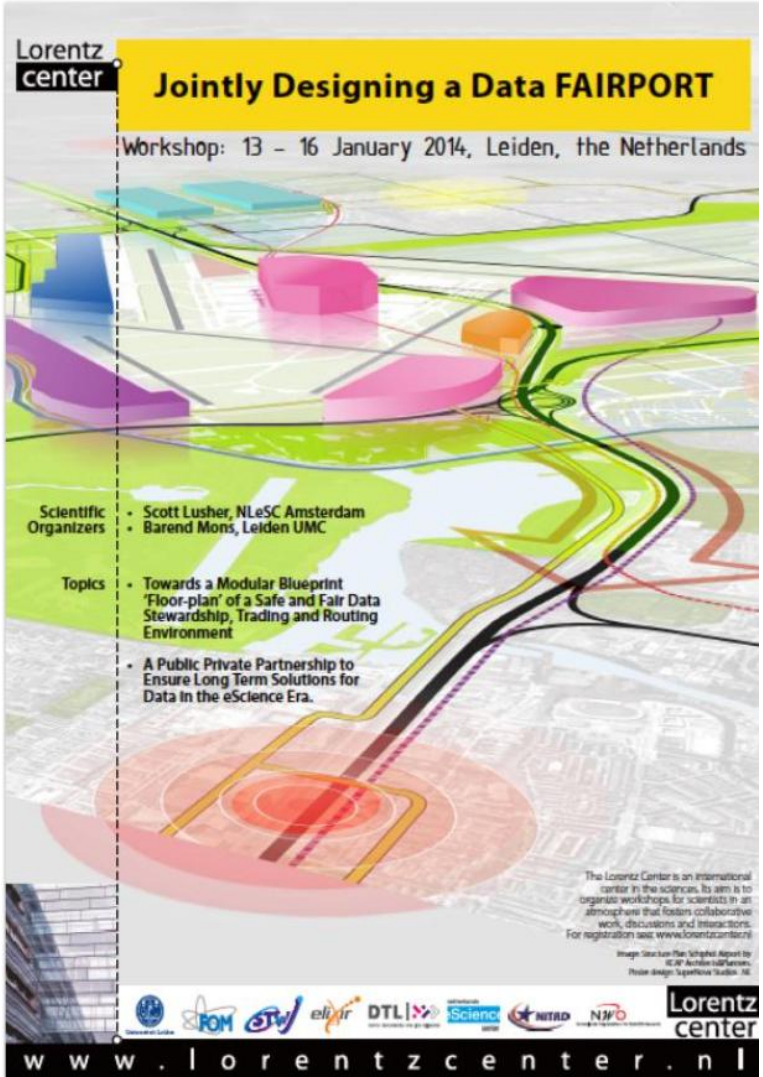
GO FAIR Foundation

Role, Team & Key Assets

When it all started …

2014



2016

scientific **data**

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Open Access | Published: 15 March 2016

The FAIR Guiding Principles for scientific data management and stewardship

Mark D. Wilkinson, Michel Dumontier, IJsbr
Arie Baak, Niklas Blomberg, Jan-Willem Bo
Bouwman, Anthony J. Brookes, Tim Clark,
Edmunds, Chris T. Evelo, Richard Finkers,
Groth, Carole Goble, Jeffrey S. Grethe, Jaa
Ruben Kok, Joost Kok, Scott J. Lusher, Mar
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

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

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

2018

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.

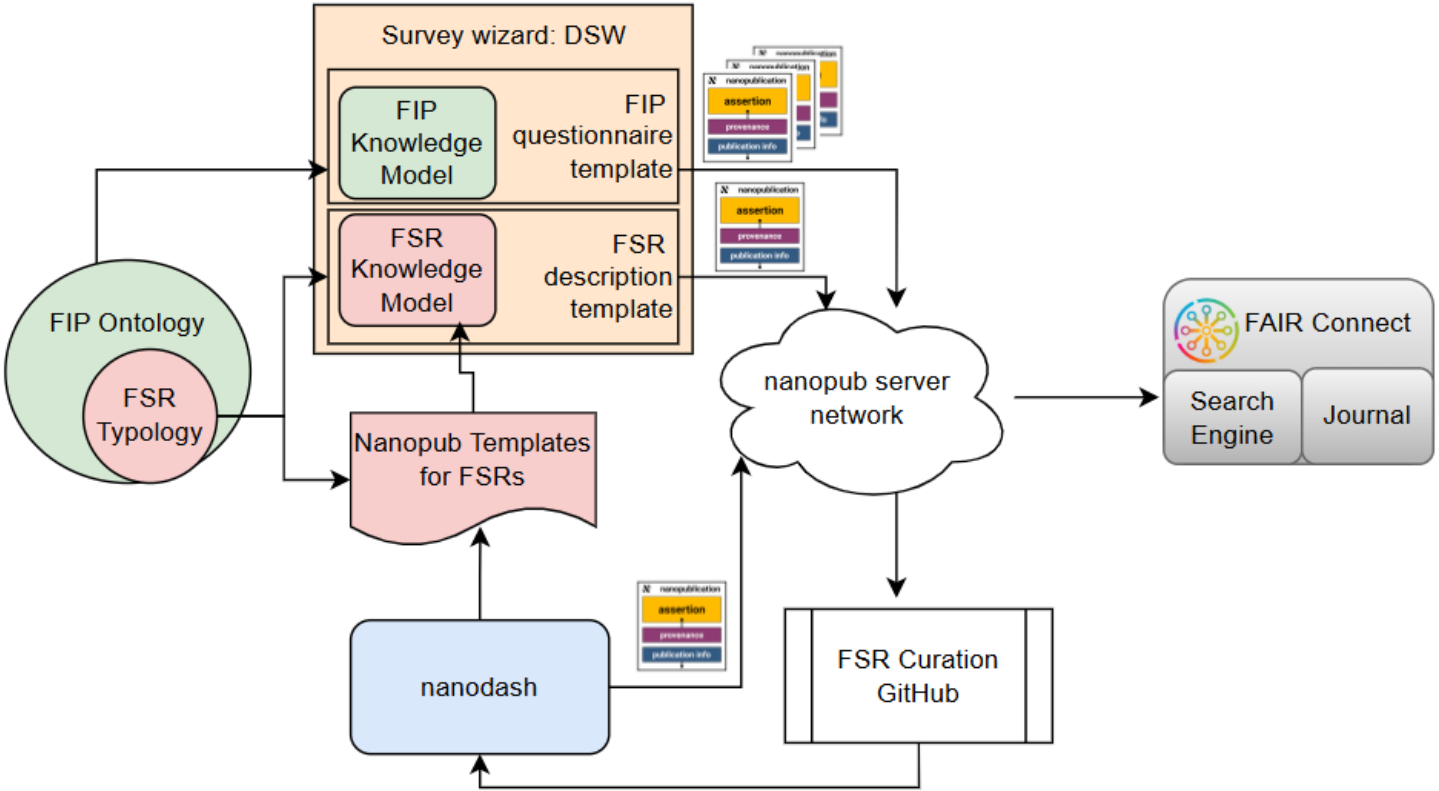
Metadata 4 Machines (M4M)

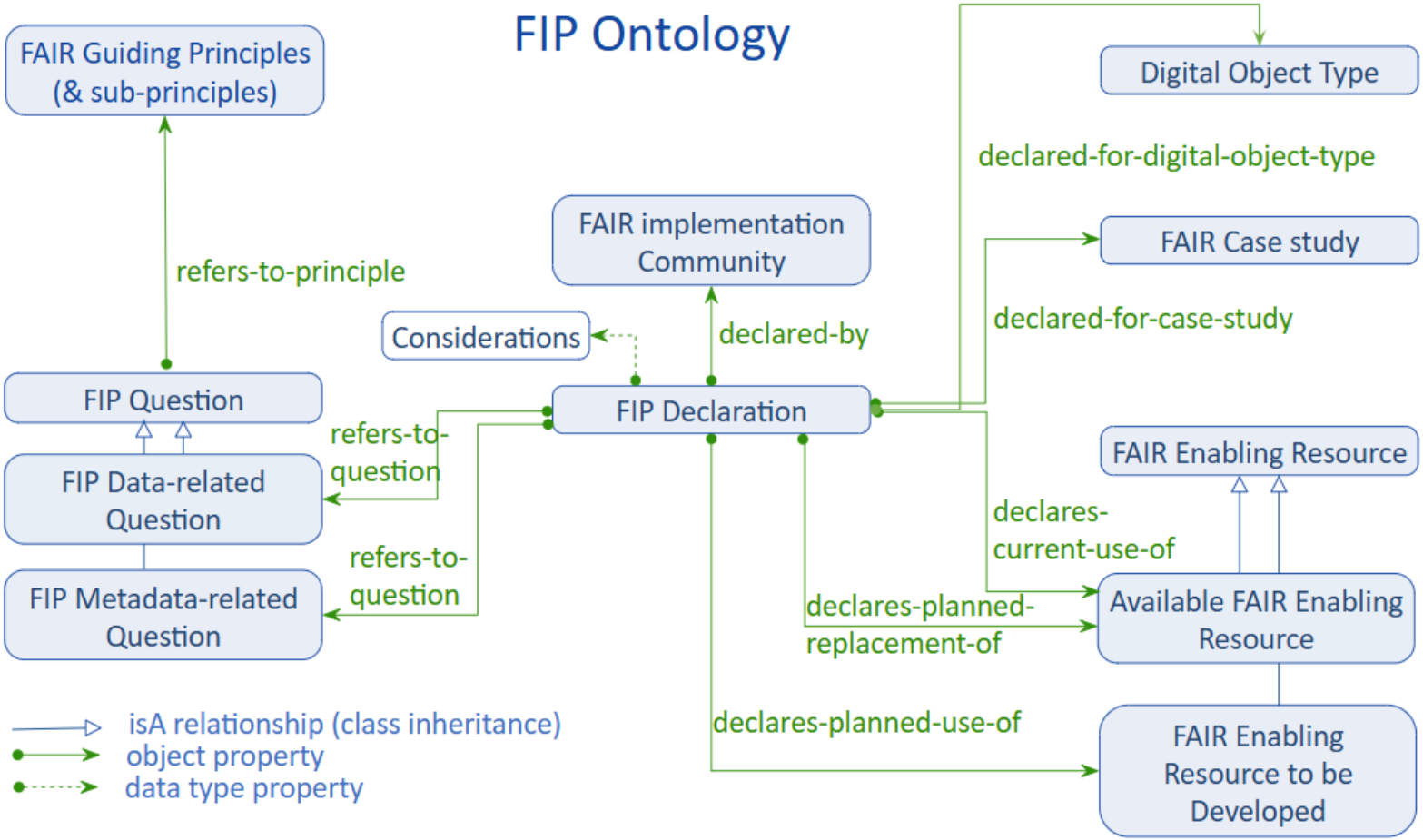
Develop domain-relevant, machine-actionable metadata schemas and vocabularies.

FAIR Orchestration (FO)

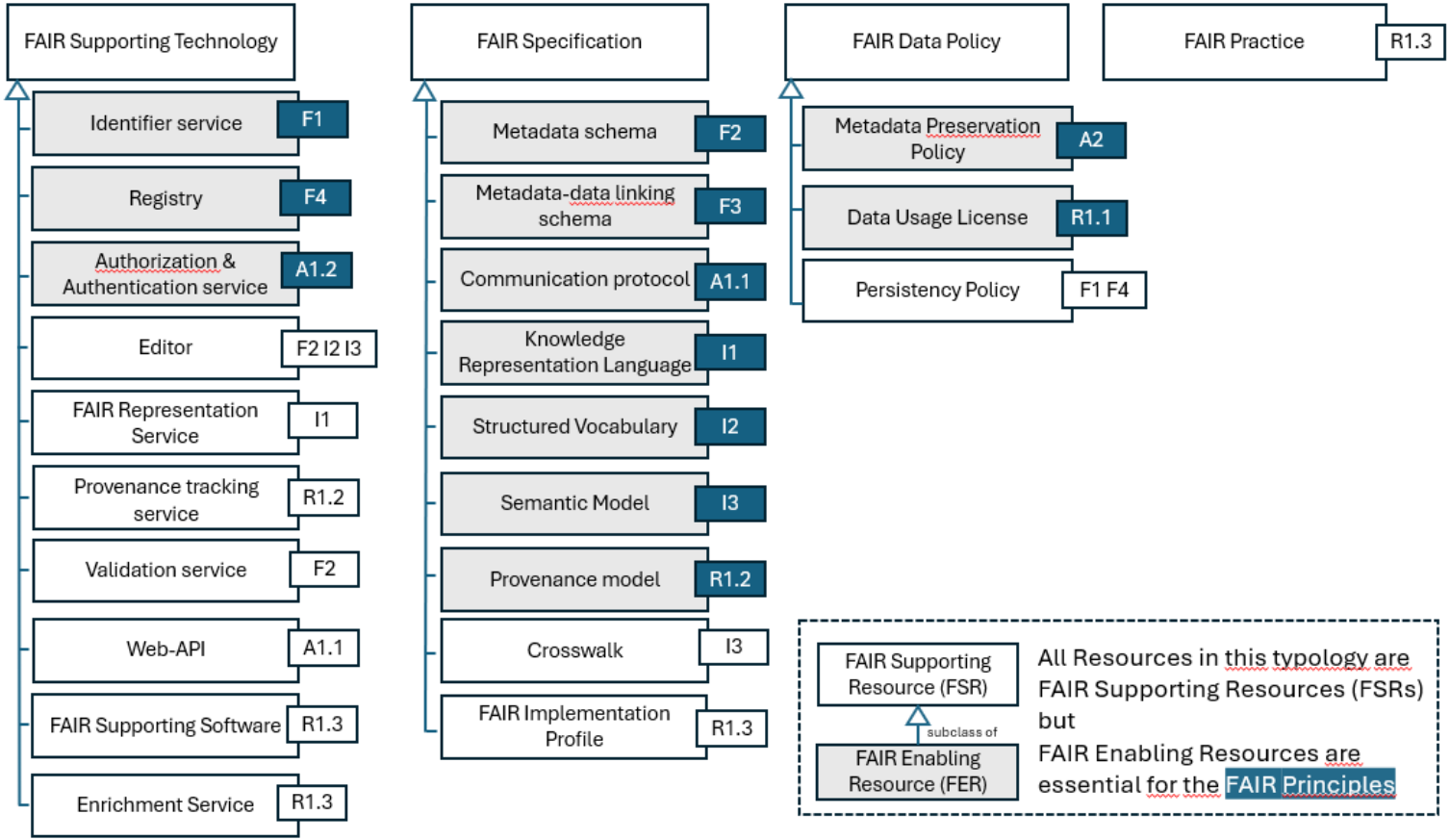
Make informed FAIR infrastructure choices.

FIP Ecosystem

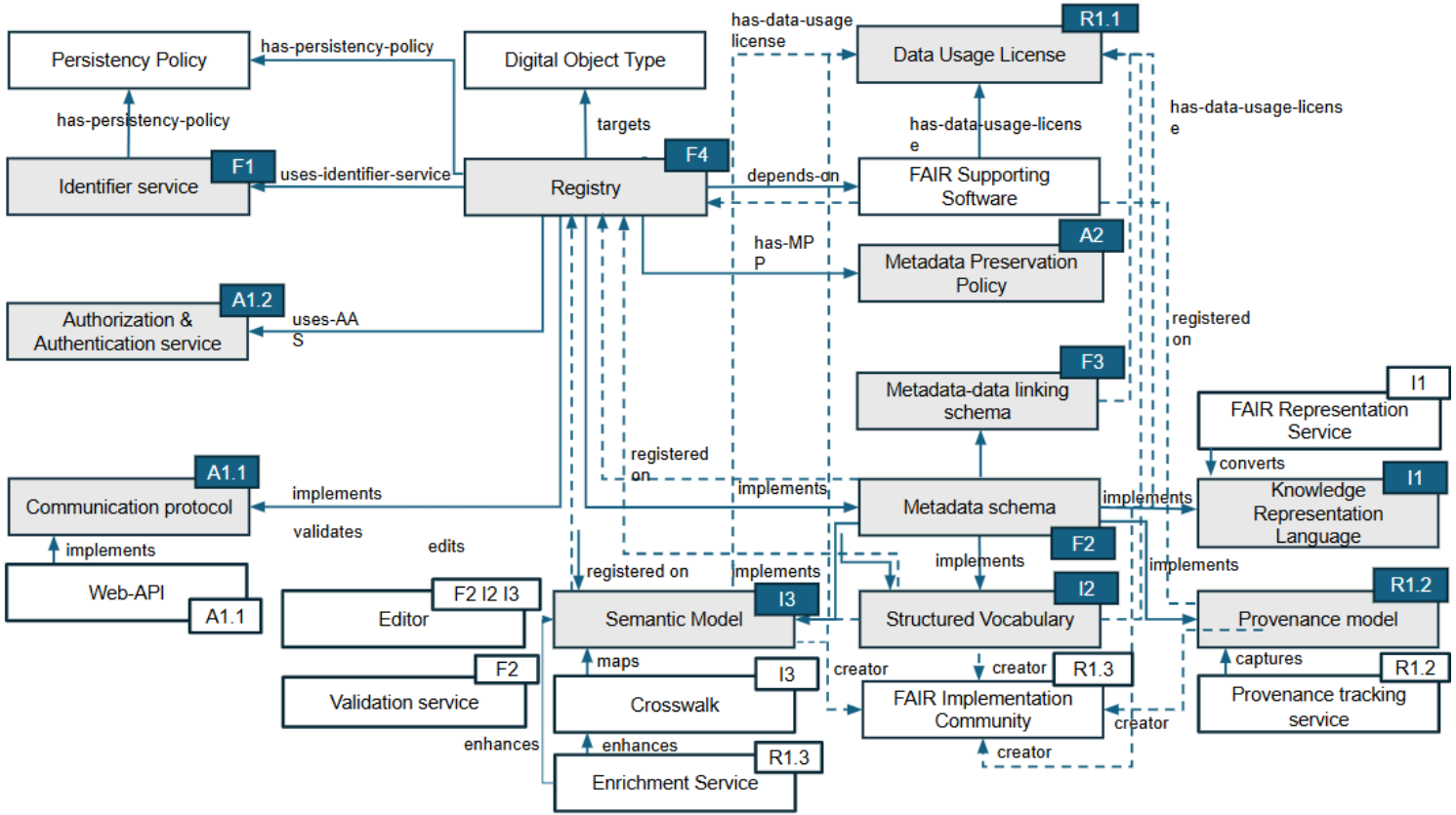




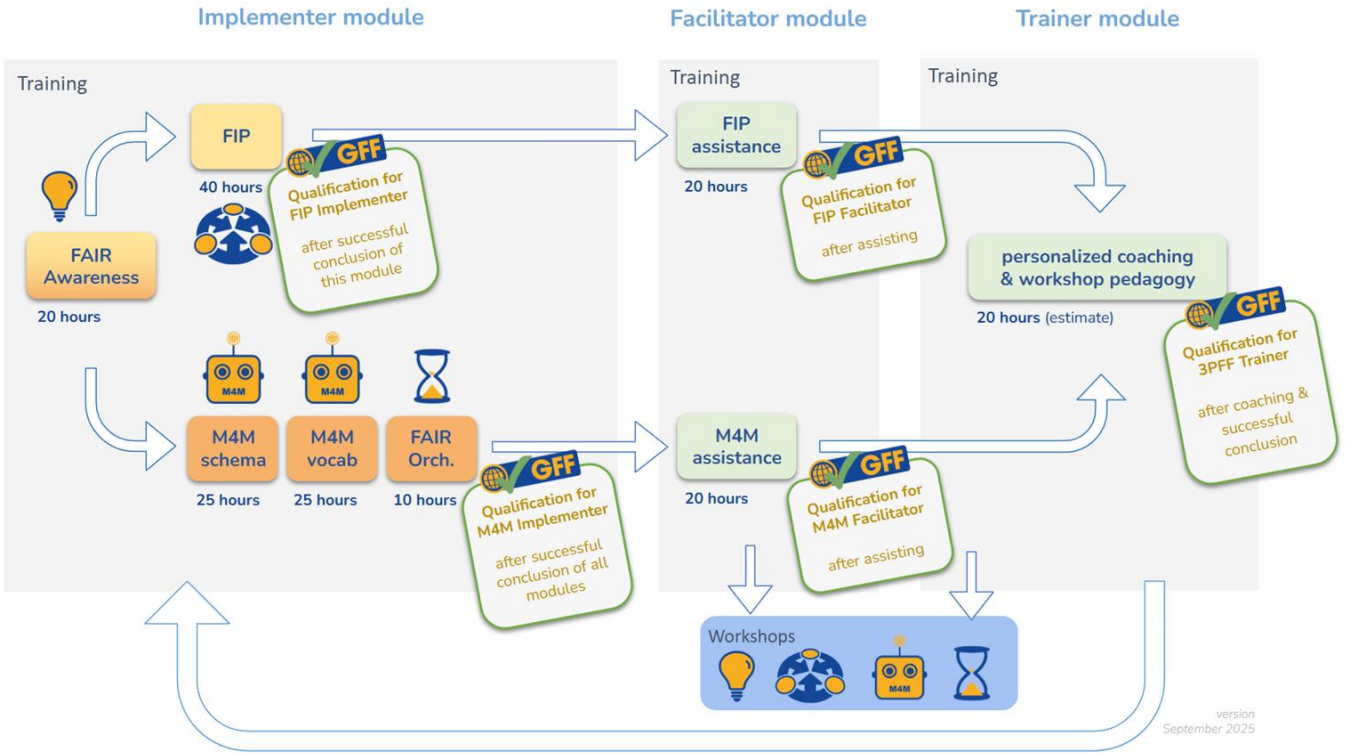
FAIR Supporting Resource Typology



Dependencies between FAIR Supporting Resources

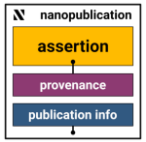


The FAIR Capacity Building Programme (CBP)



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

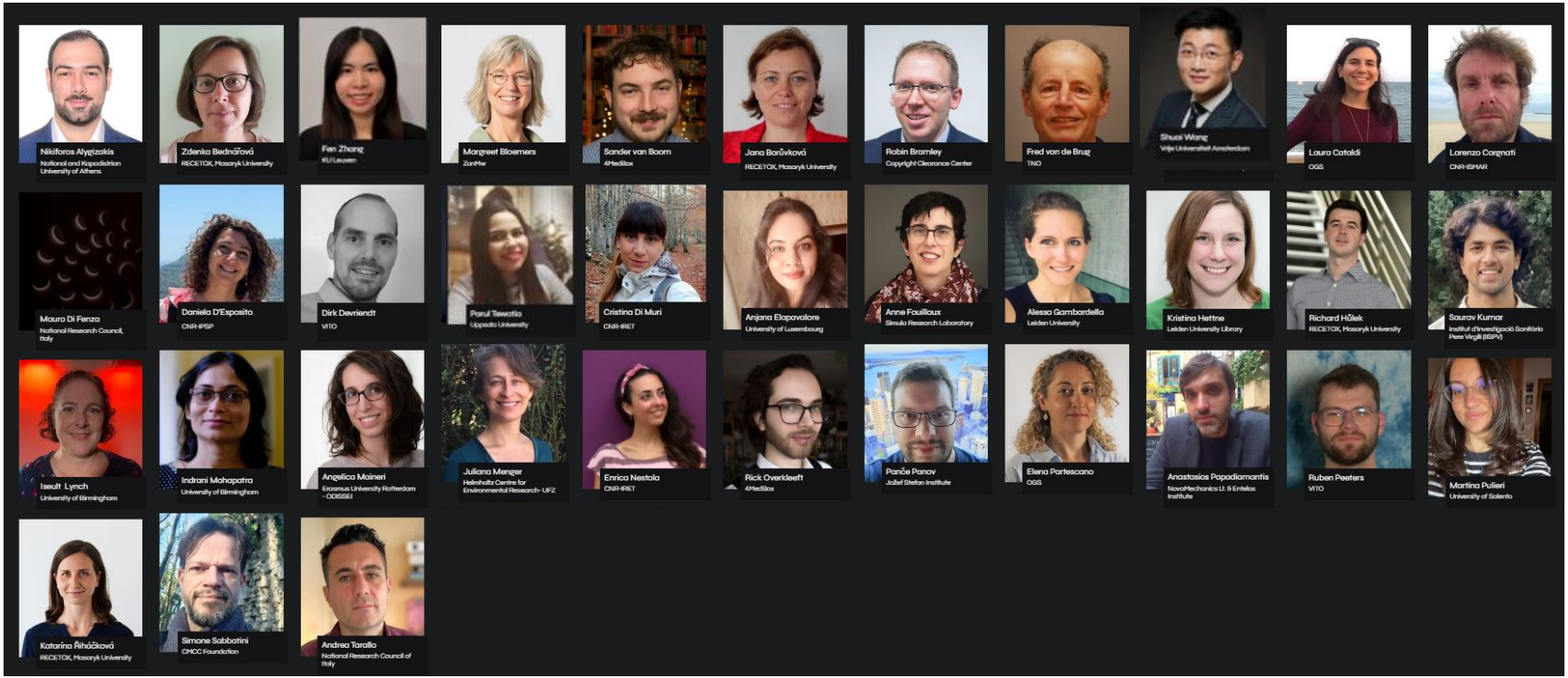
GFF 3PFF Qualification



https://w3id.org/np/RARnX0EDZbpTvjSem7xkx5KeTyvK_hAGNILETCnXCFuYA

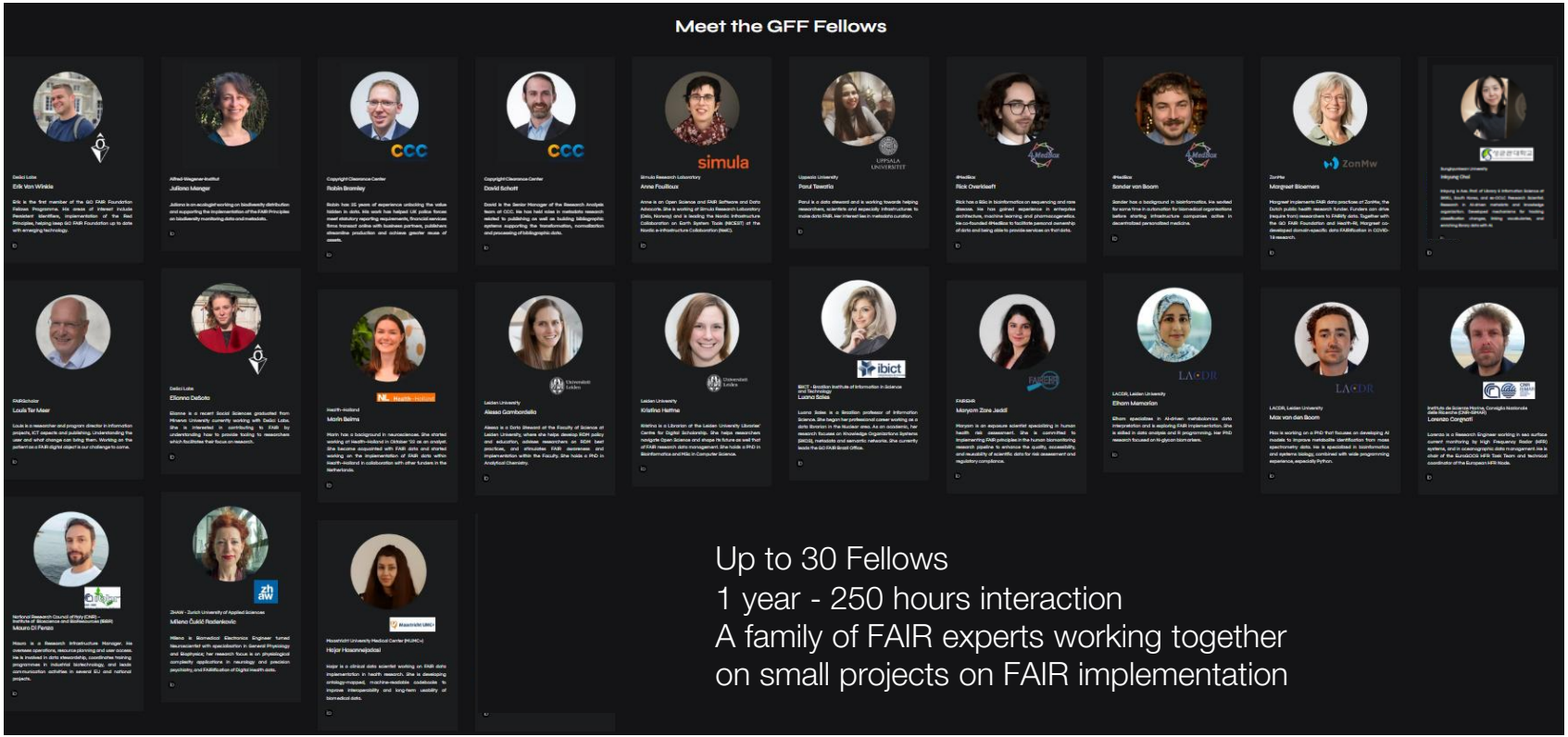
GFF qualified 3PFF Facilitators

https://www.gofair.foundation/qualification



GFF Fellowship

https://www.gofair.foundation/fellow



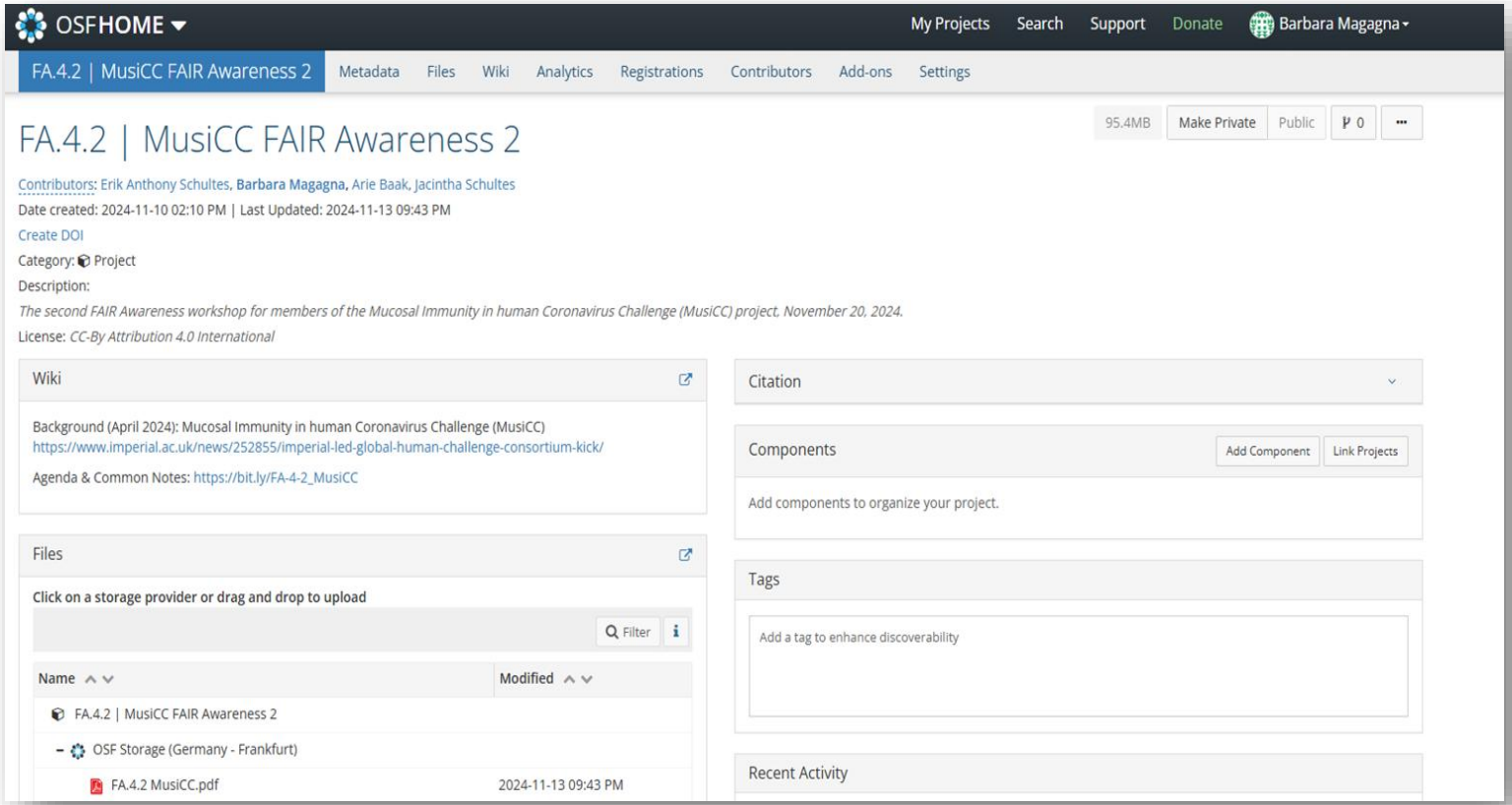
Training Methods

- 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

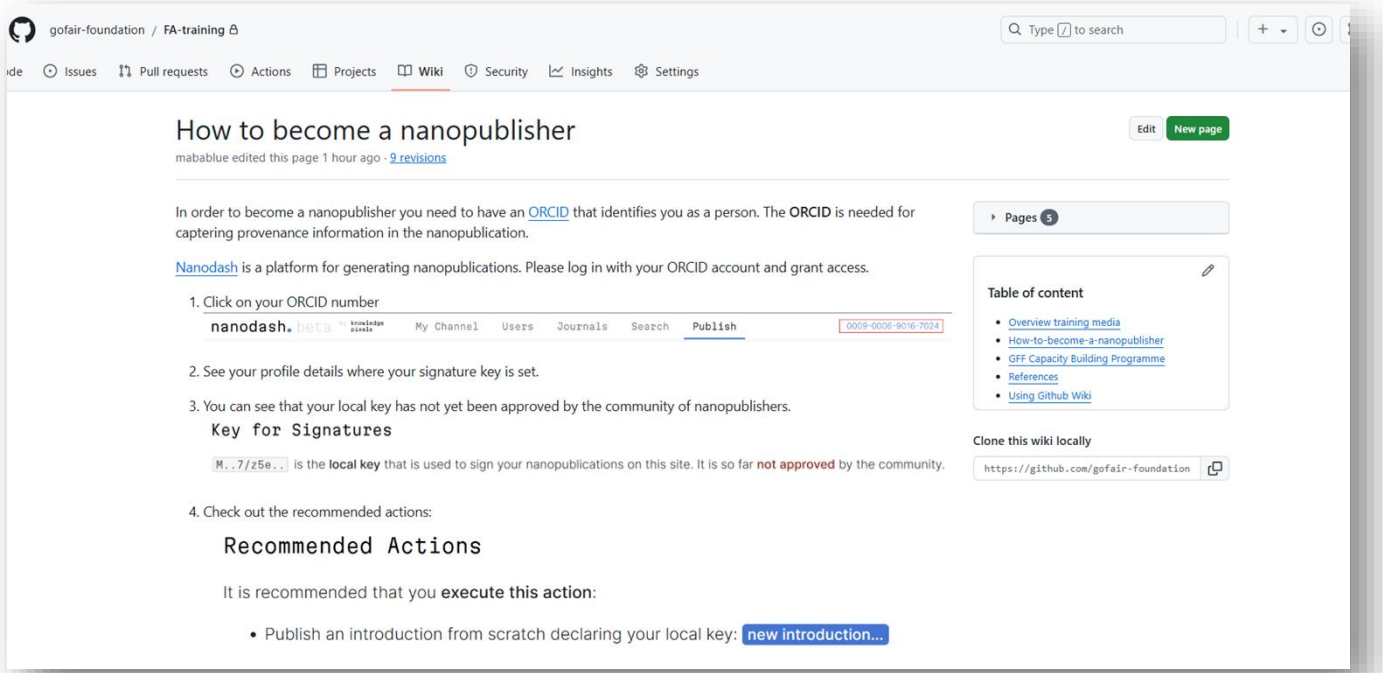
- **Open Science Framework** projects (open-access):
  A resource that links out to all other resources and includes presentations, recordings, links to minutes, links to the other platforms
- **Module specific Wikis** (one time fee) with GitHub account:
  include step-by-step guidelines
- **GO FAIR 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)



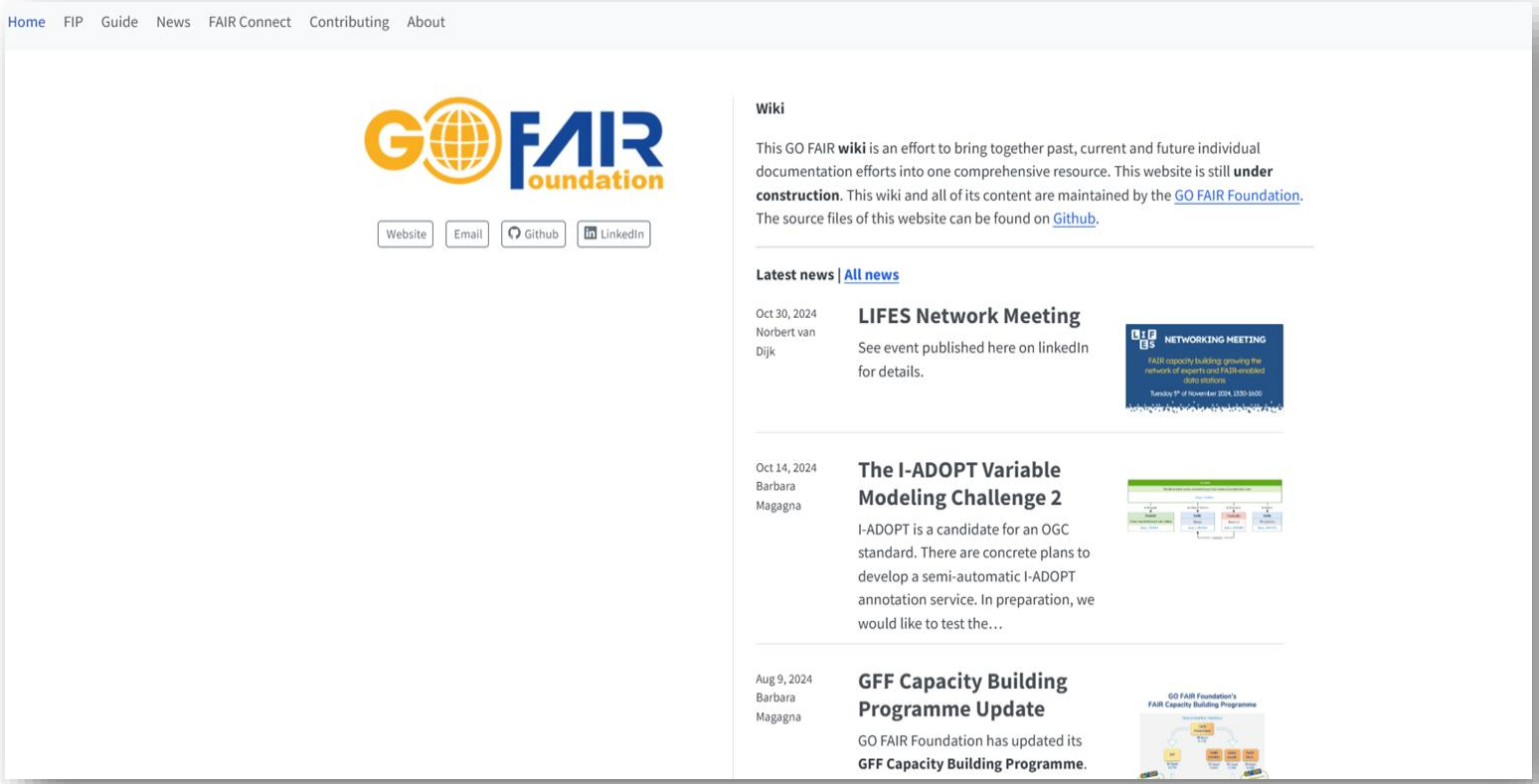
Training Wikis:

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



GO FAIR Foundation Wiki

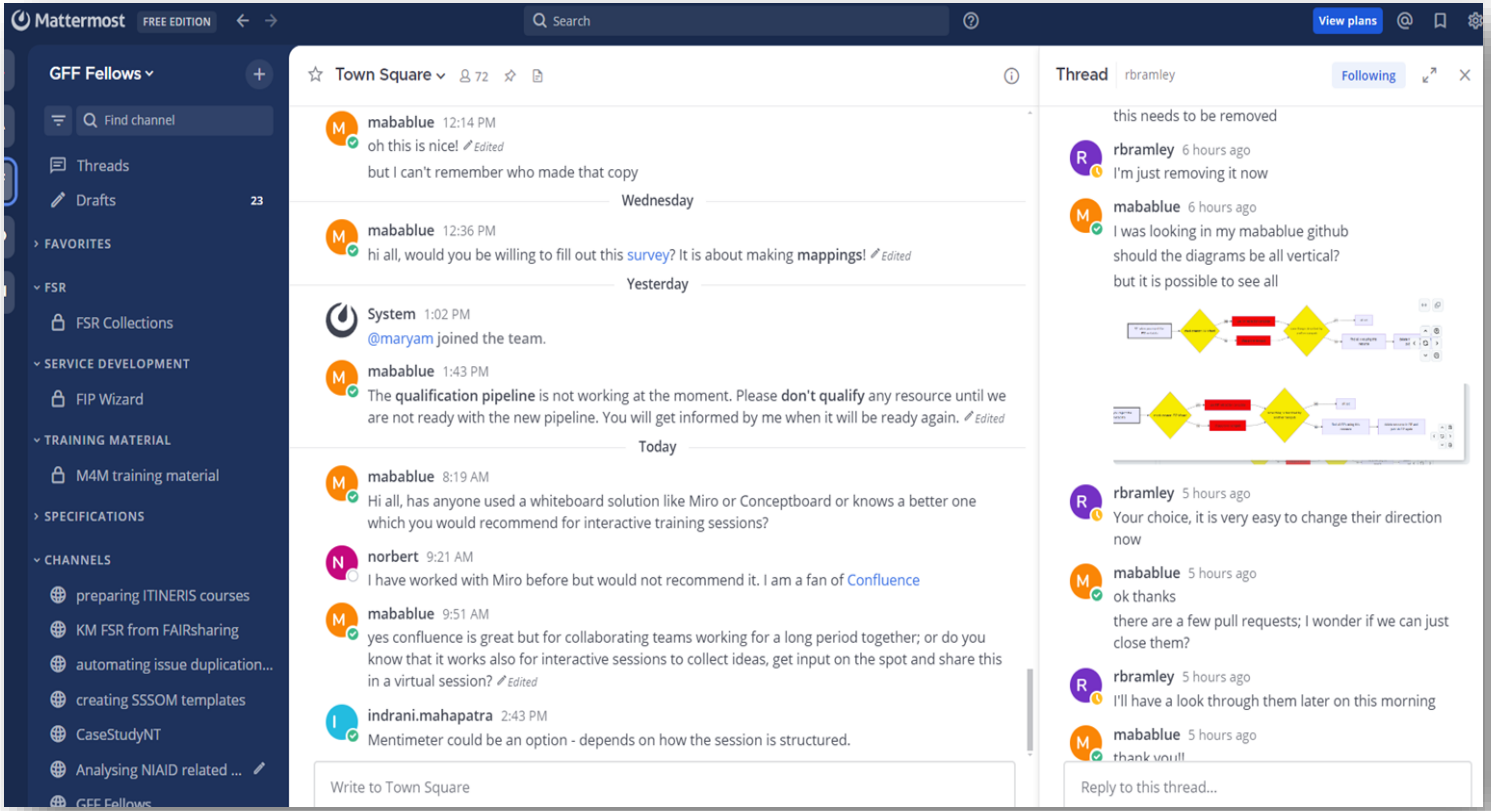
https://wiki.gofair.foundation/



Obsidian Concept Base

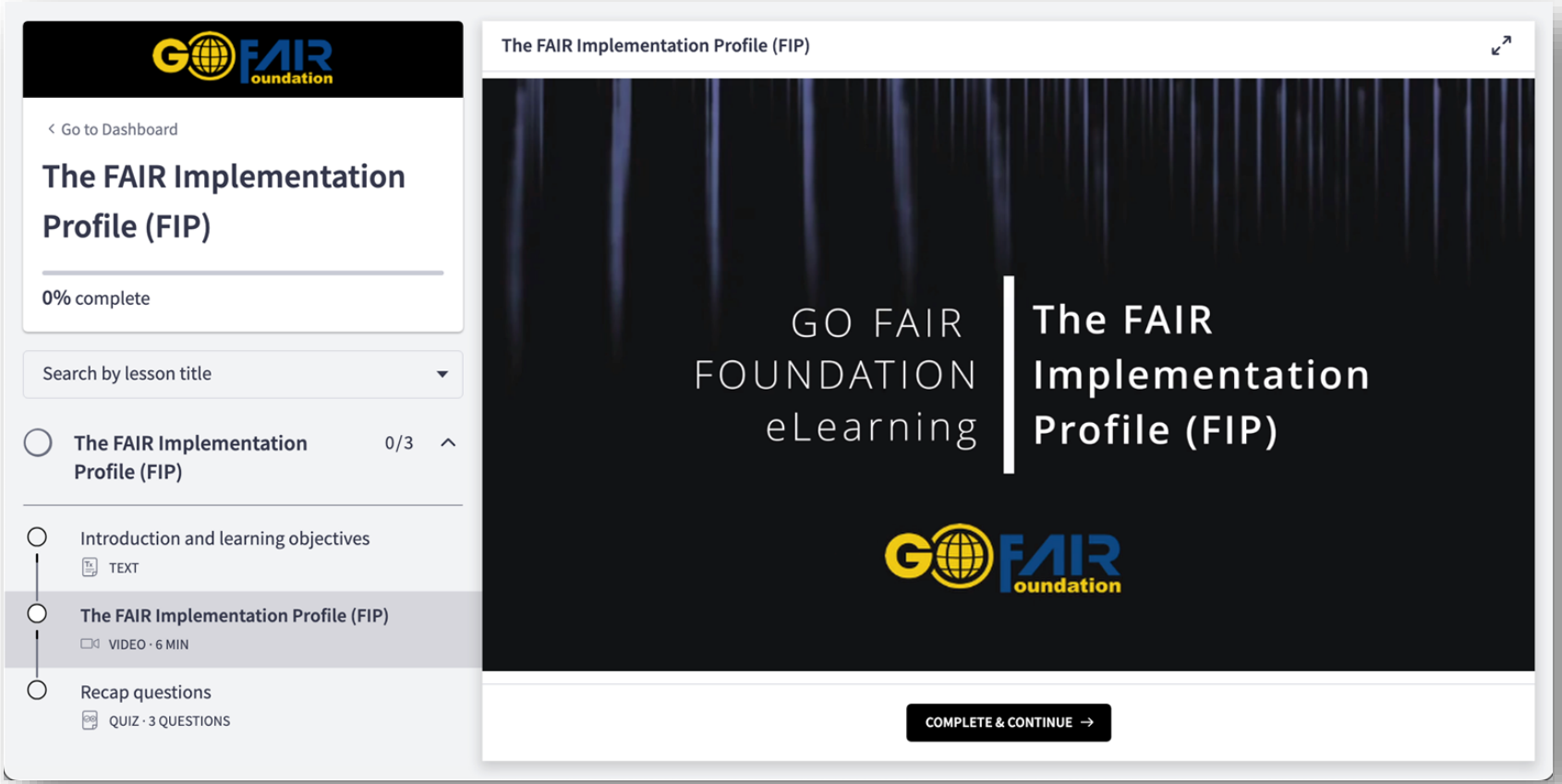
https://www.gofair.foundation/3pff-concept-base

Mattermost communication platform (link)



FAIR Learning Centre

https://courses.fairlearning.center/



Learn more ...

https://www.gofair.foundation/training