

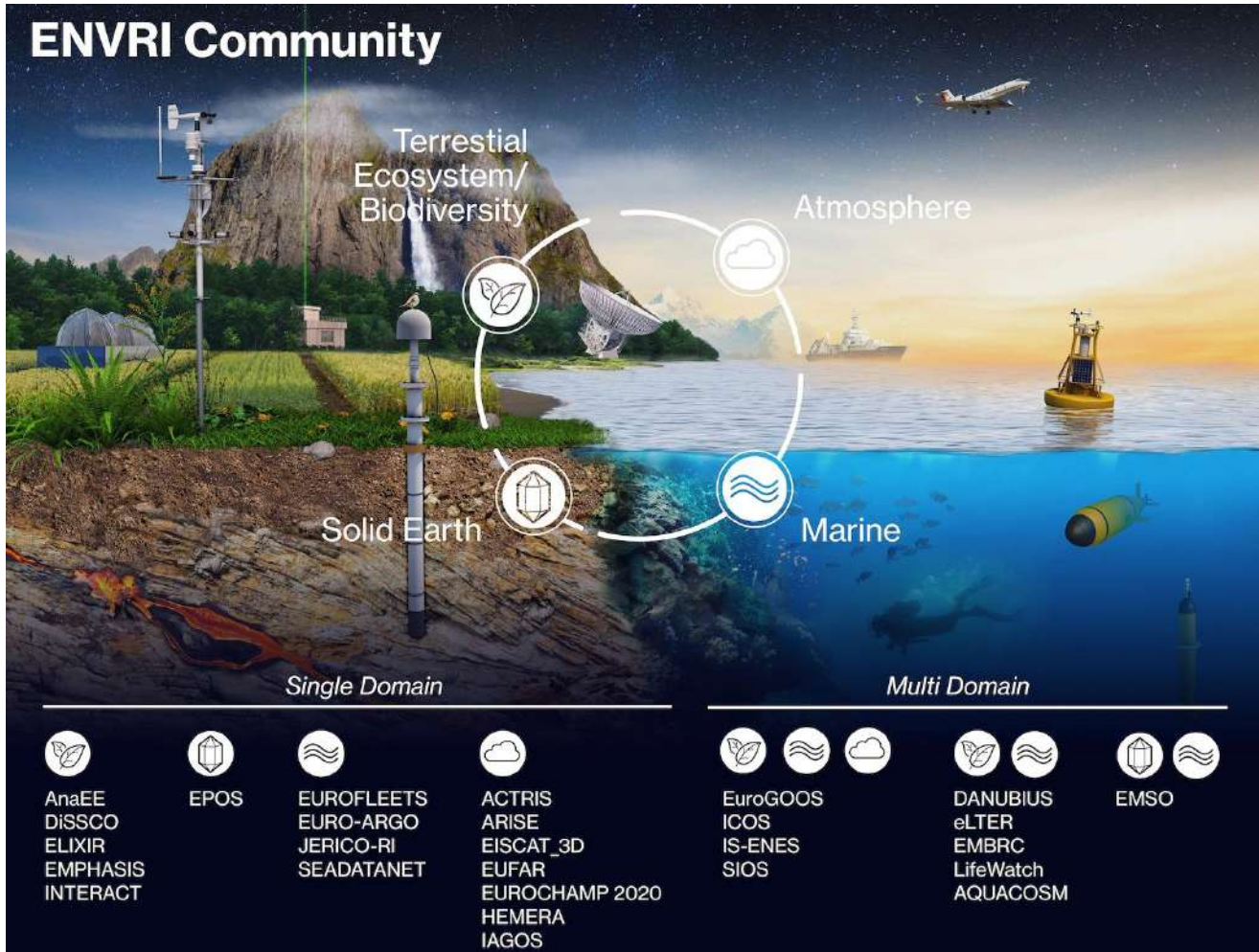
ENVRI-FAIR

Damien Boulanger, AERIS-SEDOO
Atelier ODATIS, 15 décembre 2020





Infrastructures de Recherche Européennes en Environnement



Mission d'ENVRI-FAIR

Partager des expériences et trouver des solutions communes pour

- Le partage de données
- L'accessibilité
- L'interopérabilité

Développer des services communs

Exposer les services dans EOSC

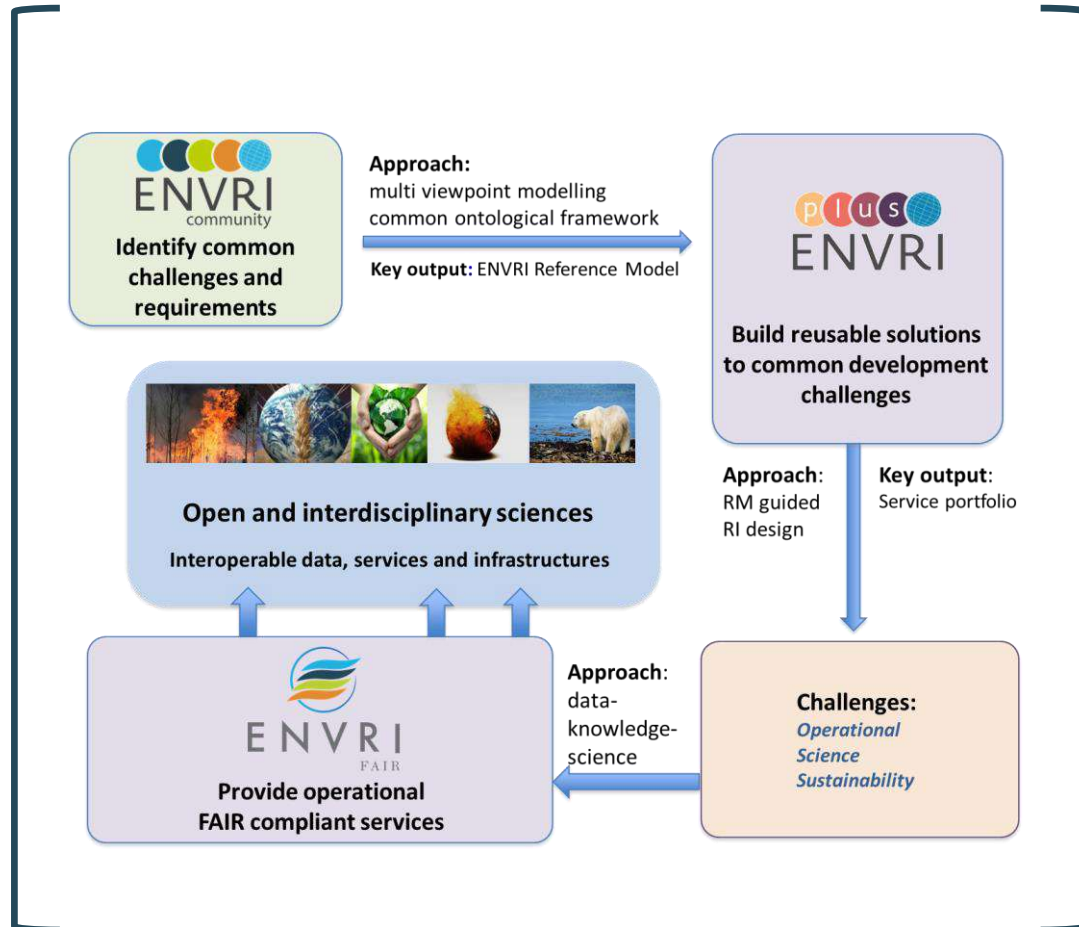
Préparer ENVRI-hub



**EUROPEAN OPEN
SCIENCE CLOUD**



Historique



ENVRI

- Construction de la communauté
- Cadre commun
- ENVRI Reference Model

ENVRIplus

- Développement communs
- Solutions partagées
- Service portfolio

ENVRI-FAIR

- Appliquer les principes FAIR dans les RIs
- Services conformes à FAIR
- Lier ENVRI à EOSC



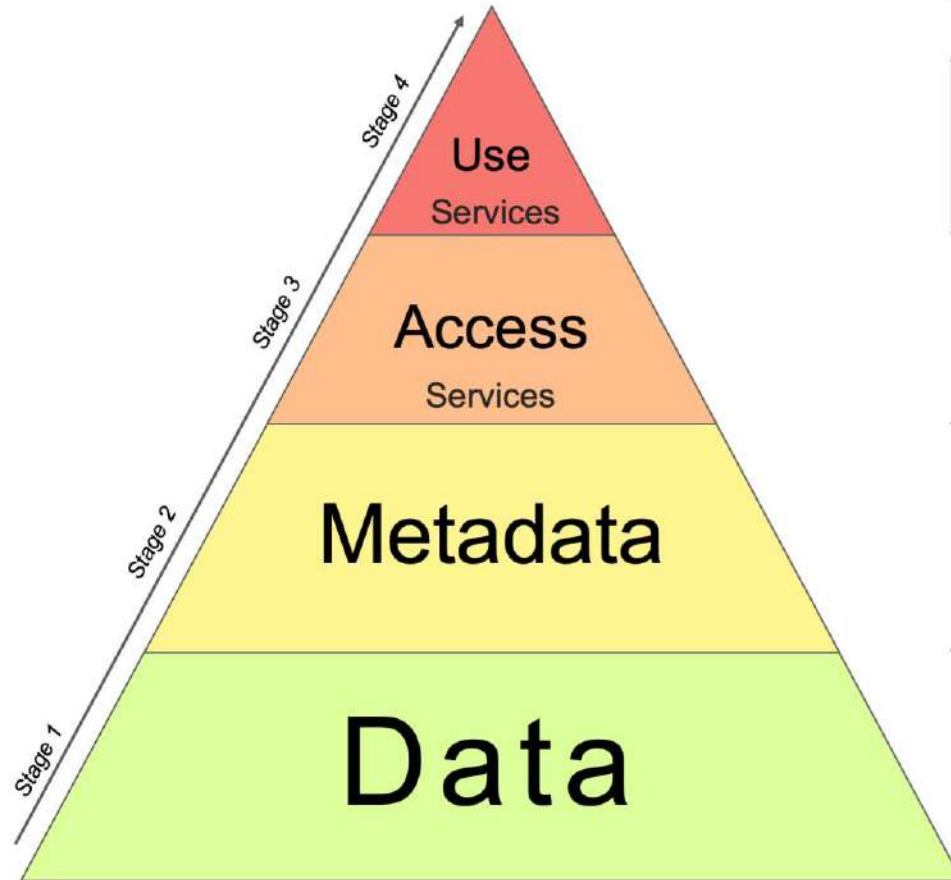
Le projet

- Titre: ENVironmental Research Infrastructures building Fair services Accessible for society, Innovation and Research - ENVRI-FAIR
- Call: INFRAEOSC-04-2018
- Coordination: Andreas Petzold, FZ Jülich, Germany et Ari Asmi, University of Helsinki, Finland
- Consortium: 37 partenaires
- 13 Infrastructures : ESFRI Roadmap ou Landmark
- Budget: 19 M€
- **Durée: 4 ans (2019-2022)**



L'essentiel – Fourniture de données et de services FAIR

Findable 
Accessible 
Interoperable 
Reusable 
+
Reproducible



FAIR PRINCIPLES

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.
F4. (meta)data are registered or indexed in a searchable resource.

F1. Metadata are assigned a globally unique and eternally persistent identifier.
F2. data are described with rich metadata.
F3. metadata specify the data identifier.
F4. metadata are registered or indexed in a searchable resource.
A2. metadata are accessible, even when the data are no longer available.
I1. metadata use a formal, accessible, shared, and broadly applicable.
I2. metadata use vocabularies that follow FAIR principles.
I3. metadata include qualified references to other metadata.
R1 (R1.1 - R1.2 - R1.3) Metadata are richly described with a plurality of accurate attributes.

F1. Data are assigned a globally unique and eternally persistent identifier.
F4. Data are registered or indexed in a searchable resource.
I1. Data use a formal, accessible, shared, and broadly applicable language for knowledge representation.
I2. Data use vocabularies that follow FAIR principles.
I3. Data include qualified references to other (meta)data.
R1.1. Data are released with a clear and accessible data usage license.
R1.3. Data meet domain-relevant community standards.

<https://zenodo.org/record/3299353#.XSXmcPwzbUJ>

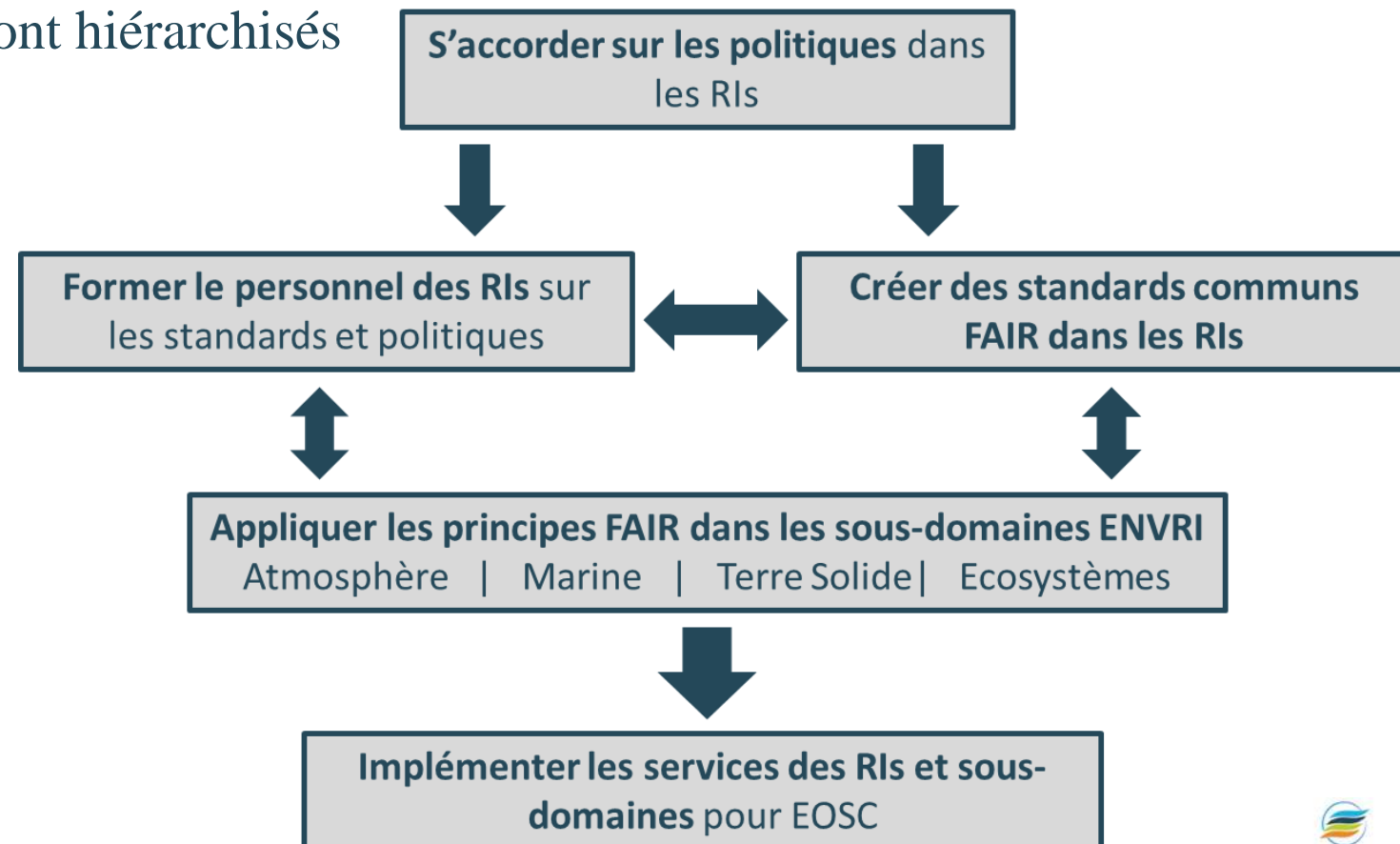


Principes de l'implémentation

Mise en œuvre par les infrastructures de recherche elles-mêmes

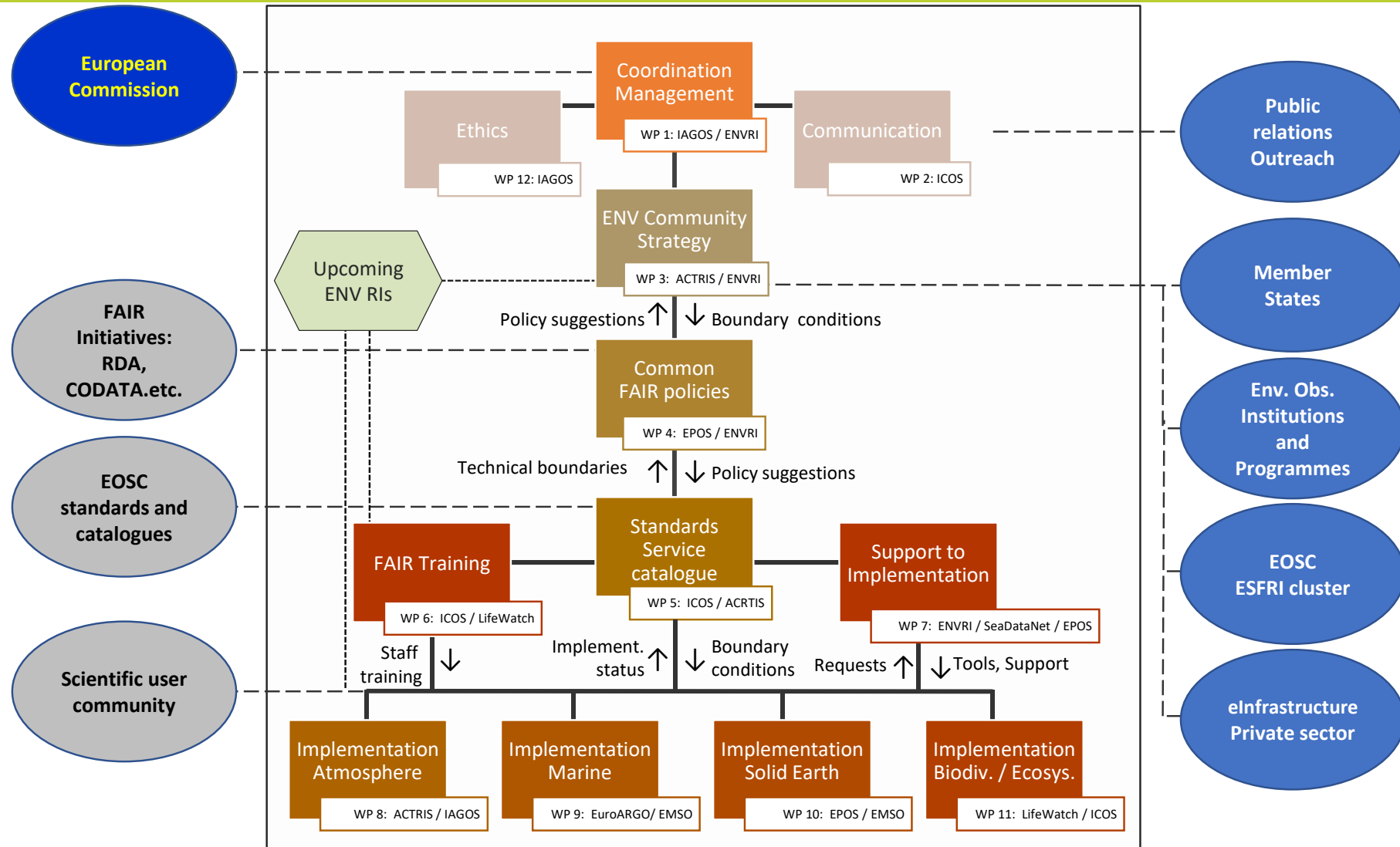
Les standards et l'implémentation sont hiérarchisés

- Au niveau cluster
- Au niveau des sous-domaines
- Au niveau des RIs



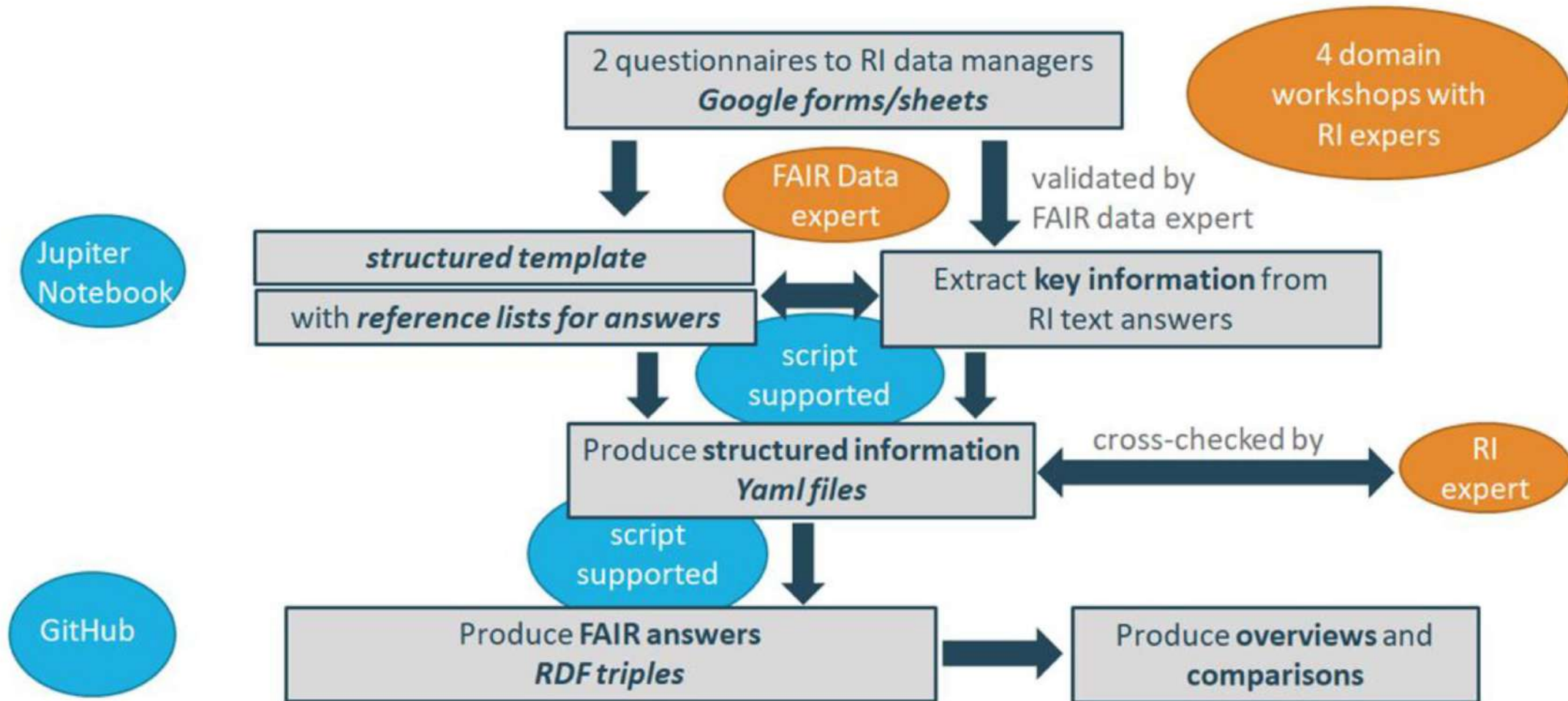


Organisation



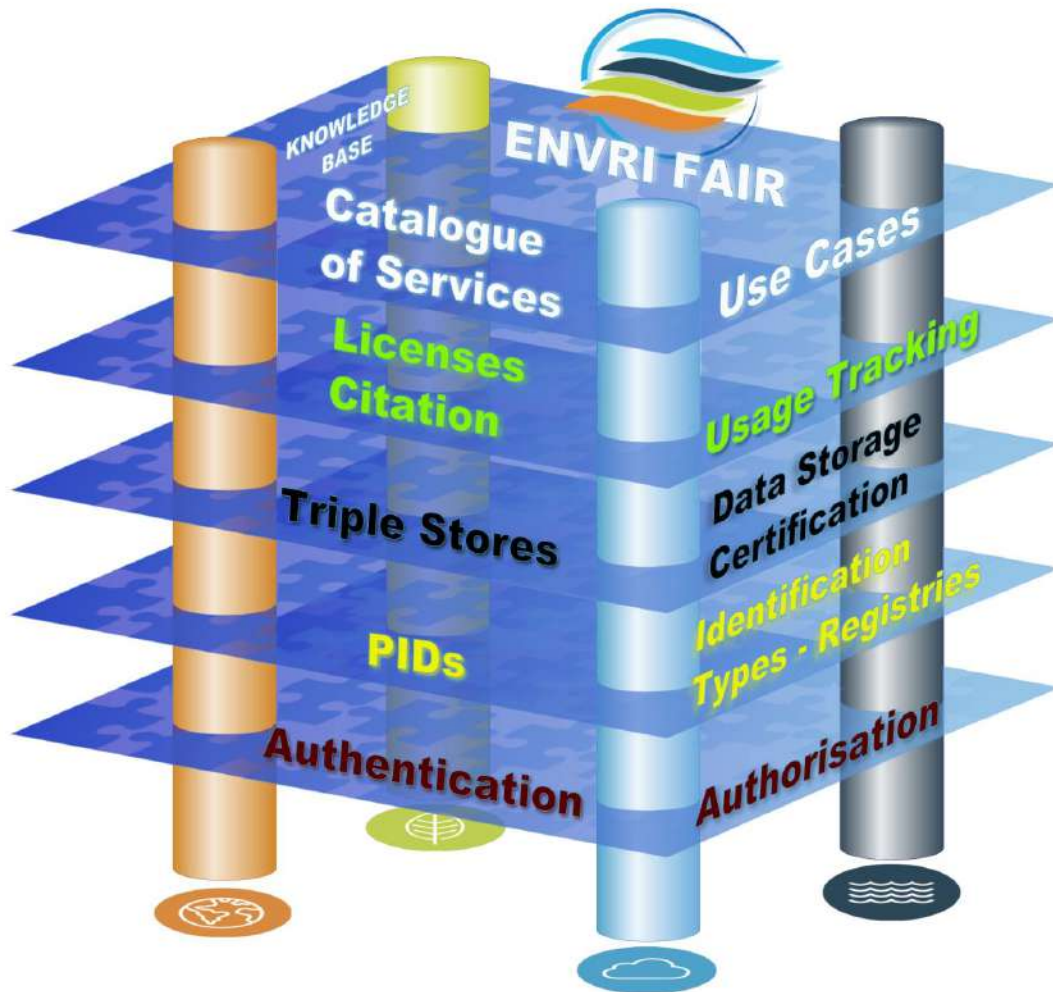


Evaluation « FAIRness »





Cross-domain Task Forces



*Thematic groups
on topics of common interest*

1. Design of the ENVRI Catalogue of services
2. AAI implementation
3. Persistent Identifiers
4. Triple stores and data storage certification
5. Licences, citation and usage tracking
6. ENVRI-hub design and architecture