



2ND EOSC-ESFRI WORKSHOP ON RIS AND EOSC

ENVRI
FAIR

ENVRI-FAIR4EOSC



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ENVRI-FAIR has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824068



Life

Air

Land

Water

ACTRIS
AnaEE
ARISE
AQUACOSM

DANUBIUS RI
DiSSCo
EISCAT_3D
ELIXIR
eLTER

EMBRC
EMPHASIS
EMSO
EPOS
EUFAR

EURO-ARGO
EUROCHAMP 2020
EUROFLEETS
EuroGOOS

HEMERA
IAGOS
ICOS
INTERACT
IS-ENES

JERICO-RI
LifeWatch
SeaDataNet
SIOS



Environmental Research Infrastructures

- provide data and research products from all four sub-domains of the Earth system;
- data are crucial European contributions to global monitoring of the state of the Earth system and climate;
- data are vital for assessing past and defining future policies, as well as for the development of environment-friendly innovations.



ENVRI-FAIR

- developing tools and resources for users to gain easy and seamless access to environmental FAIR data and services provided by ENVRIIs;
- integrating their research communities and research products into EOSC, thus enhancing its role in open science.

ENVRI-FAIR is the connection
the Environmental Research
Infrastructure community to the
European Open Science Cloud

NAME & MISSION

ENVRI-FAIR
Environmental Research
Infrastructure building FAIR
service accessible for society,
innovation and research

ENVRI-FAIR brings together
all Environmental Domain RIs
from the ESFRI Roadmap -
but collaborates with the entire
community of Environmental
Research Infrastructures

KEY OUTPUTS

- Environmental RIs collaborating in the project are enabled for FAIRness
- FAIR compliant services are implemented across the entire ENVRI community
- ENVRI hub established

CONSORTIUM

- Includes all 13 Environmental Domain RIs on the ESFRI Roadmap
- 39 partners from 13 European countries

ENVRI
FAIR



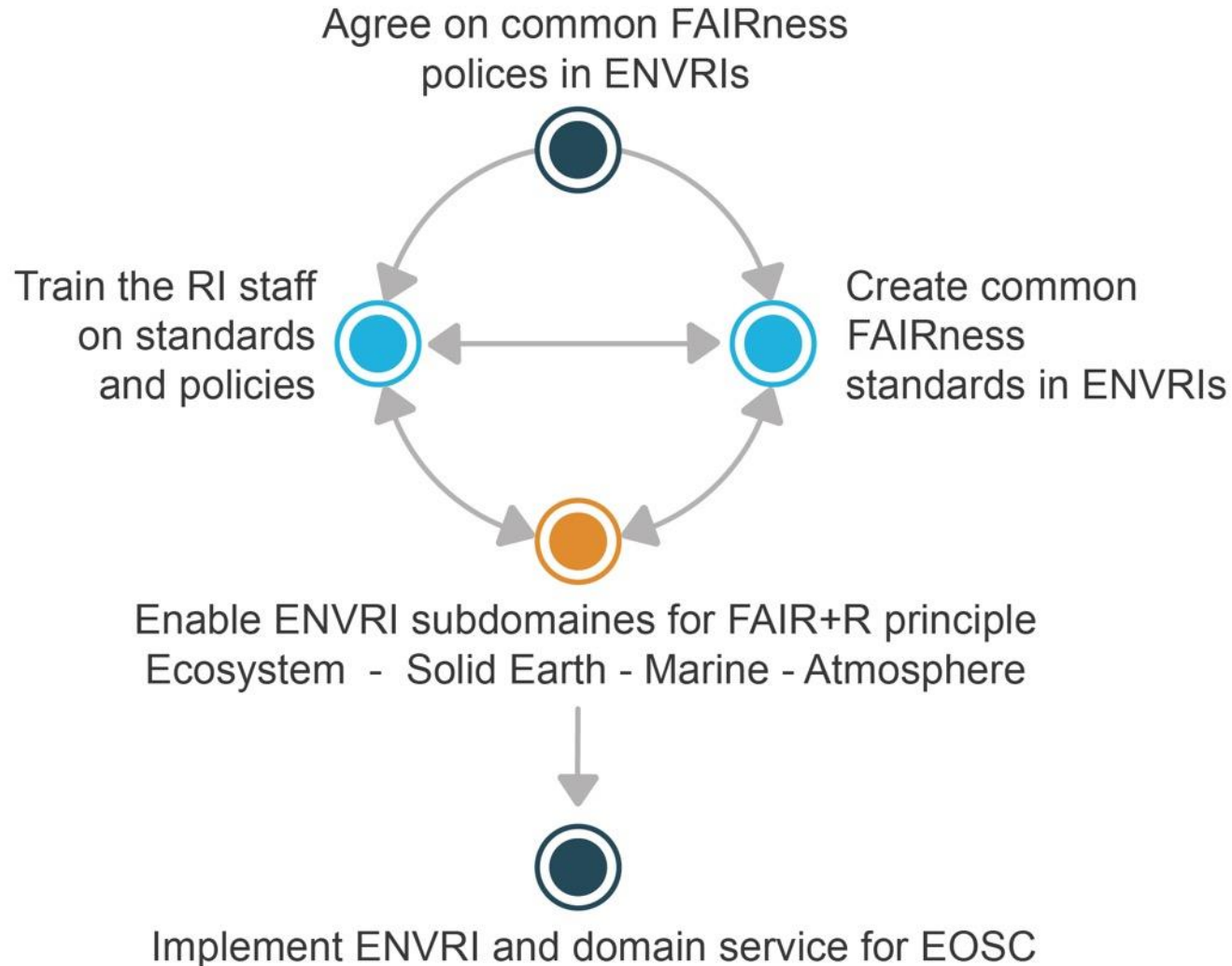
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Find us

- www.envri-fair.eu
- @ENVRIcomm
- ENVRI community
- ENVRIcomm



ENVRI-FAIR Workflow



Where do we stand?

Start-up phase focused on

- assessing the actual state of FAIRness of ENVRI's, and on
- the development of FAIRness implementation plans.

Intense cross-fertilisation of ENVRI-FAIR and EOSC on

- FAIRness assessment methods
- FAIRness training
- FAIR policies
- Service catalogue

ENVRI-FAIR 4 EOSC – FAIRness Assessment Methods

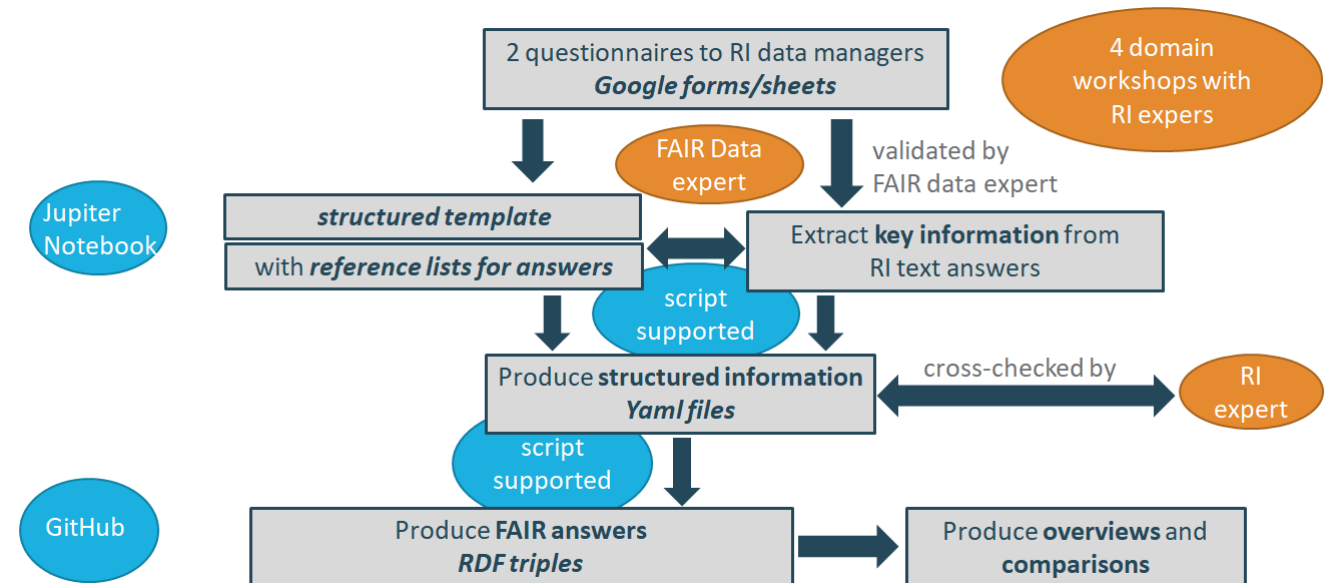
1st Stage of FAIRness Assessment of ENVRI completed in collaboration with GO FAIR and FAIRsFAIR.

Strong support to improvement of FAIR implementation profiles (FIP) and FAIRness Assessment Tools.

2nd stage in preparation using advanced assessment methodologies.

⇒ [GO FAIR Convergence Matrix & FIP](#)

⇒ [Assessment Report](#)



ENVRI-FAIR 4 EOSC – Policies

FAIR Policies Landscape Analysis of the ENVRI completed.

General principles for these policies were deduced from the needs of the ENVRI RIs and general good governance practices.

⇒ [Policy Landscape Report](#)

ENVRI FAIR policies help developing EOSC wide policies of practical use and applicability for RIs.

“A policy is a deliberate **system of principles** to **guide decisions** and achieve rational outcomes. A policy is a **statement of intent**, and is **implemented as a procedure or protocol.**”
(*Wikipedia on “Policy”*)

General Principles of ENVRI RI policies

- Authorized
- Targeted
- Scope
- Defined
- Strategic
- Consistent
- Available
- Feasible
- Reviewable

ENVRI-FAIR 4 EOSC – FAIRness Training

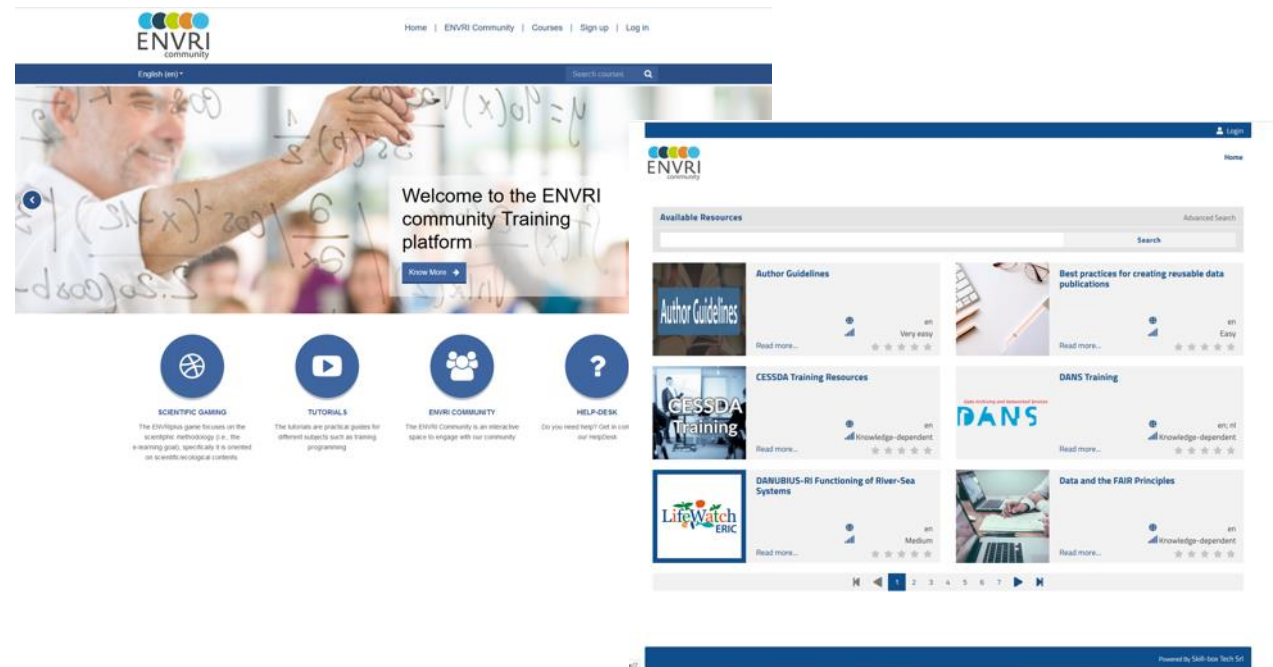
FAIRness training is one of the most active areas in FAIRification.

ENVRI-FAIR contributes with extensive FAIRness training activities.

Methodology developed during the inventory and gap analysis of FAIRness training materials will be adopted by other groups.

Capacity-building effort targets also non-ENVRI community researchers and other end-users.

The ENVRI Training Platform

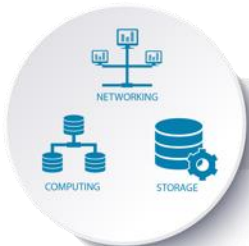


⇒ <https://training.envri.eu/>

⇒ <https://trainingcatalogue.envri.eu/>

ENVRI-FAIR 4 EOSC – Summary

European **O**pen **S**cience **C**loud =



Enable researchers to access data, storage and compute (“cloud”) via an Europe wide federation of IT services (“e-Infrastructure”)

E-Infrastructure consolidation

+



Drive the transition to Open Science (Open Data, Open Standards, Open Literature) - bring research benefits to European societies at large

Open Science

+



Populate EOSC with the scientific data resources and computational tools from research infrastructures – drive usage by to Europe’s 1.7 M researchers

Scientific Communities’ content and users



contributes to Open Science by

- FAIRness assessment methodologies
- FAIR policies
- FAIRness Training

contributes to Scientific Content by

- Designing ENVRI catalogue of services
- Designing ENVRI-hub architecture

see 18 months status report summary at

<https://envri.eu/18-months-of-accomplishments/>