Building ENVRI-HUB as one of the key access ways to ENVRI data services is in progress.

What have we done and what is next ?

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Target Groups for ENVRI Products and Services

Scientific Communities

Research Infrastructures

eosc

Domain-scientists access ENVRI services directly via RI portals or APIs

Cross RI / subdomain access via ENVRI-Hub

RIs share knowledge and training resources across scientific domains and foster evolution of RIs

EOSC users access ENVRI service ecosystem through the platform ENVRI-Hub guided by rich metadata

ENVRI Resources Provision

The ENV Landscape

ENVRI Resources Provision

The ENV Landscape in approximate numbers

7 operational RIs
12 data portals
300 asset suppliers
10,000 researchers

5 operational RIs
12 data portals
300 asset suppliers
19,000 researchers

2 operational RIs
10 data portals
250 asset suppliers
10,000 researchers

5 operational RIs
5 data portals
4000 asset suppliers
(institutions@SeaDataNet)
20,000 researchers

ENVRI Resources Provision

Example

Atmosphere Monitoring Service

Established solution: Direct access through RI portals

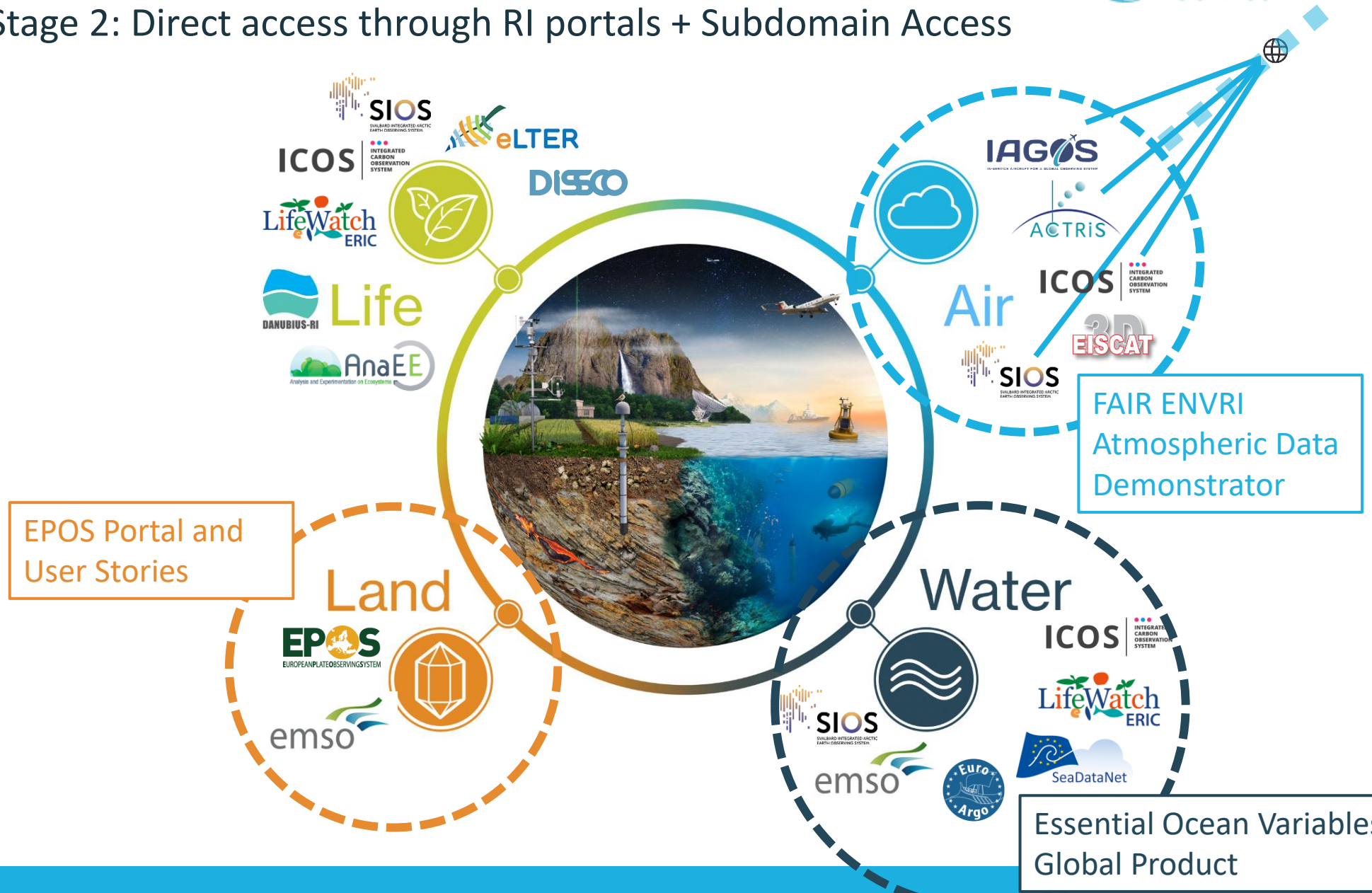
ENVRI FAIR

ENVRI Resources Provision

Example

Atmosphere Monitoring Service

Stage 2: Direct access through RI portals + Subdomain Access

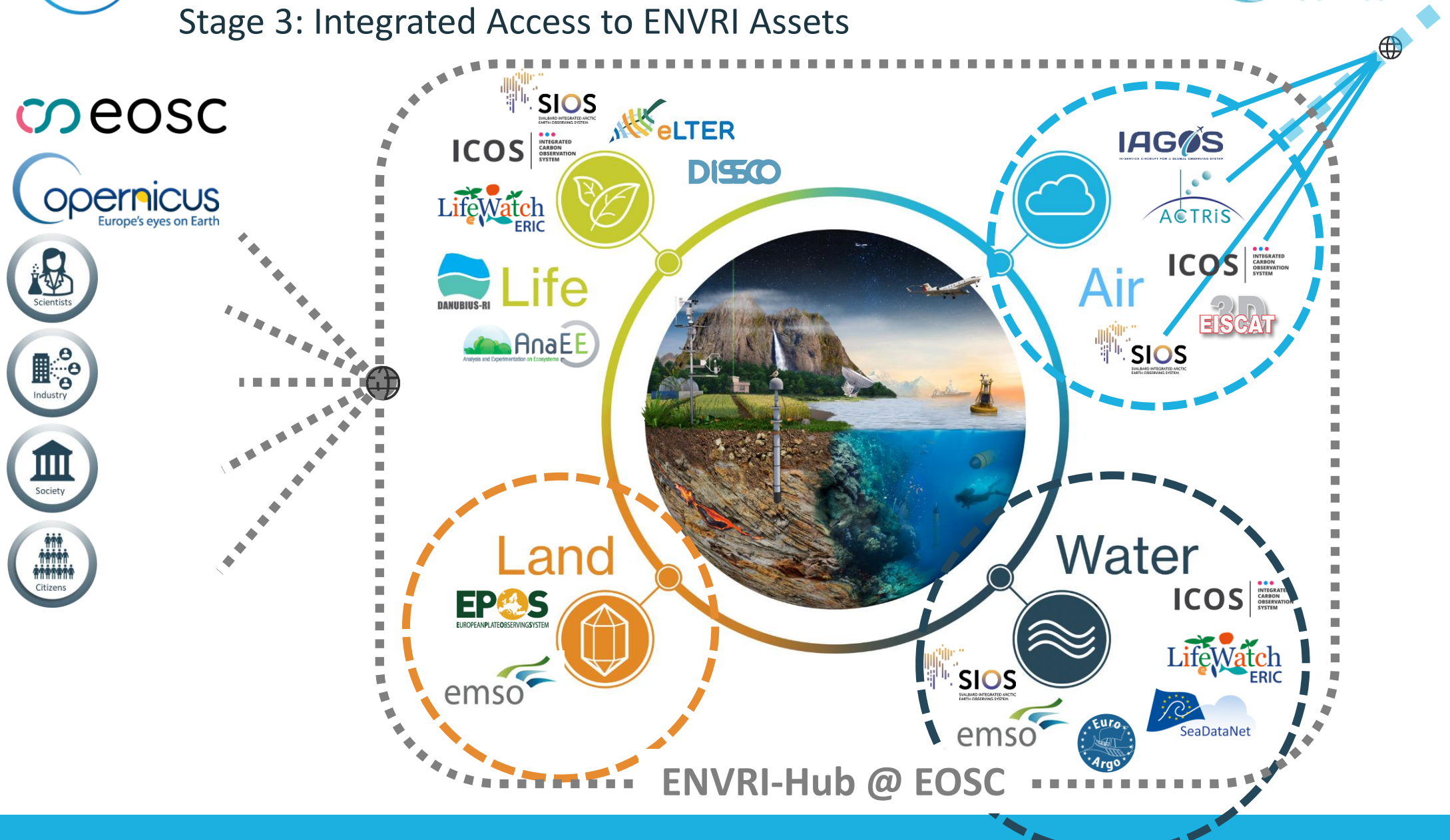


ENVRI Resources Provision

Stage 3: Integrated Access to ENVRI Assets

Example

Atmosphere Monitoring Service



Browse the ENVRI-Hub

ENVRI Catalogue of Services

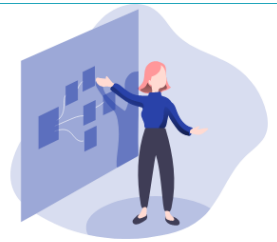
Access the machine-actionable interface to the ENVRI ecosystem: A Catalogue of all RIs in the ENVRI domain with the mapping of all metadata and description of services that provide access to data.

Enter

ENVRI Knowledge Base

Access technical practices, common data and service requirements that facilitate search and analysis of existing RI solutions for interoperability challenges shared among environmental RIs.

Enter



ENVRI Training Catalogue

Access an array of training resources offered by the ENVRI Community.

Enter

ENVRI Science Demonstrators

Use reliable Jupyter Notebooks to support interactive data science and scientific computing.

Enter

on! Under Construction

ENVRI Science Demonstrators

Sub-domain and cross-domain Science Demonstrators show the capabilities of service provision among ENVRI Research Infrastructures and Science Clusters.

Search ENVRI's Knowledge Base for Jupyter Notebooks

Daten absenden

- ICOS Carbon Portal Footprint tool
- FAIR ENVRI atmospheric data demonstrator
- Essential Ocean Variables Global Product
- Dashboard State of the Environment
- Impact of Non-Indigenous Invasive Species
- FAIR Scientific Names Use Case

ENVRI | e- Infra Support

- **ENVRI-Hub:**
  - ENVRI – Hub including access to data and services via metadata search
  - Science use cases and virtual research environments
  - Hub Demonstrator developed in ENVRI-FAIR and **hosted by EGI resources**
  - **Development of a fully functioning n-tier web application pending**
  - **Implementation of VRE framework based on Jupyter notebooks pending**
  - **Cross-domain AAI to be implemented**
  - **Federated search to be implemented**

- **ENVRI Catalogue of Services:**
  - ENVRI Catalogue is designed as **metadata catalogue**
  - ENVRI - Hub contains **catalogue of data providers, services, and platforms**
  - Metadata are mapped to DCAT-AP, **support in metadata mapping needed**
  - **Onboarding of services and the Catalogue requires support by e-Infras**