



# ECOSCOPE

-

national infrastructure

Data hub for long term observatories  
on biodiversity research



# The Project



# Scientific aims & Missions

ECOSCOPE's aim is to set up an entry point to access to research and observation datasets on biodiversity in order to document and understand its state and trends, mechanisms at work in its changes, and to build scenarios of the future of the biodiversity.

ECOSCOPE is an infrastructure that will contribute to better organize data collection, management and reuse, facilitating remote access to different types of biodiversity observation datasets and thus collaboration between scientists.



# Institutional support

## ECOSCOPE

- National Infrastructure (RI) supported by the **Ministry of Research** and the 8 French research institutions
- Called « pôle de données » (data hub?) (1/4 in France)
- « BON » and trying to follow GEO BON's guidelines
- Coordinated by the French Foundation for Research on Biodiversity (FRB)



# Users of ECOSCOPE

- **Scientists**
- Actors of **participative science**\*
- Actors of **socio-professionals sectors**\*
- Others national and international projects on data

\* Working with scientists





# Collaborations & Partners







# The Metadata Portal



# Strategy

Long term observatories are particularly reluctant to open their data.

Offer a metadata portal as a first step towards open access.

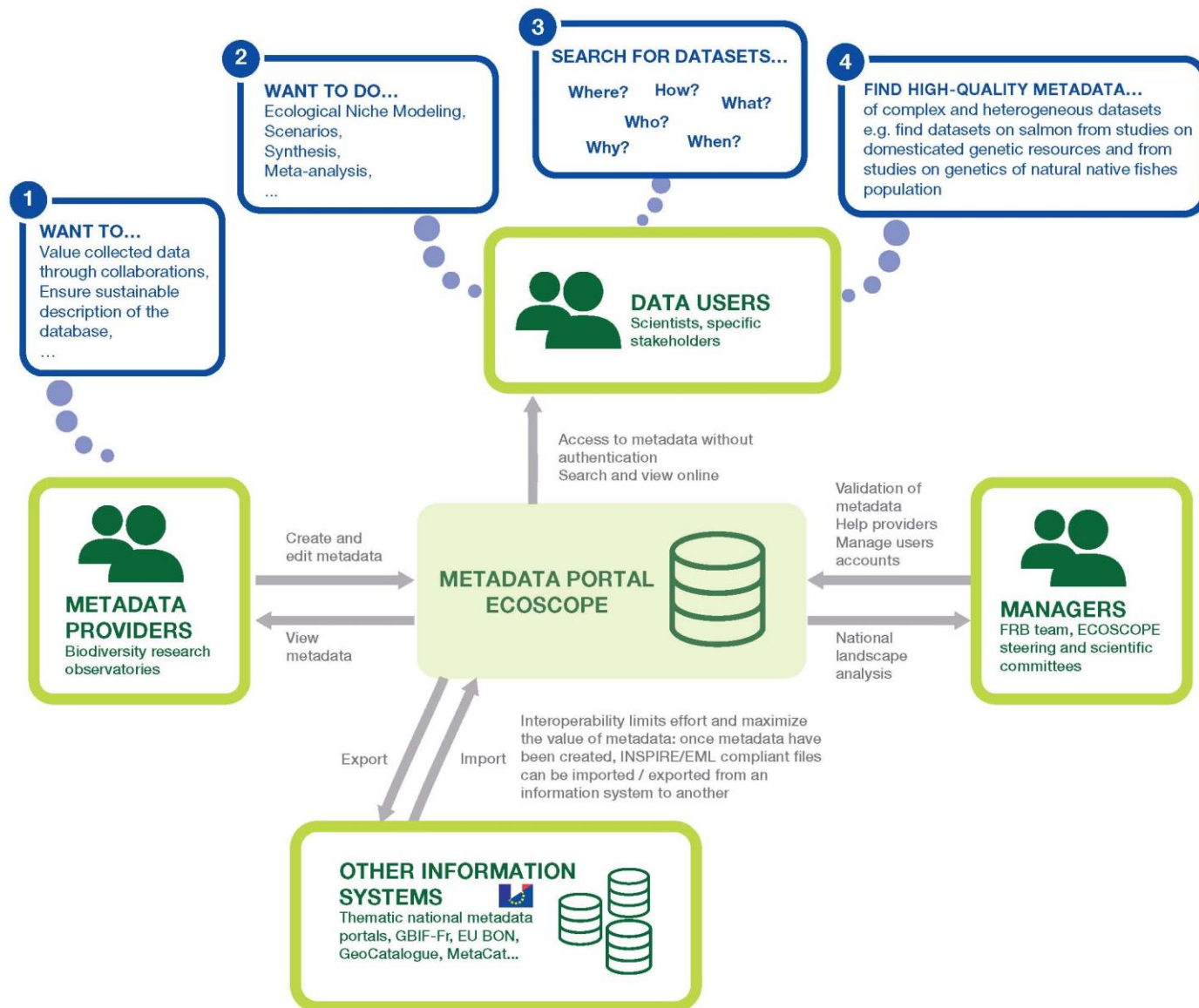
Metadata with contact for the data and link to the data.

Open online.





# Providers- users & re-use



# Main functionalities

- Edition and management of metadata
- Import/export of metadata in standards (EML, INSPIRE) => interoperability with others SI (GBIF, GeoCat, MetaCat, AnaEE, RZA...)
  - Facilitate input of metadata
  - Facilitate exposure in different national and inter-national catalogues
- Search and visualization of Metadata and link to the data

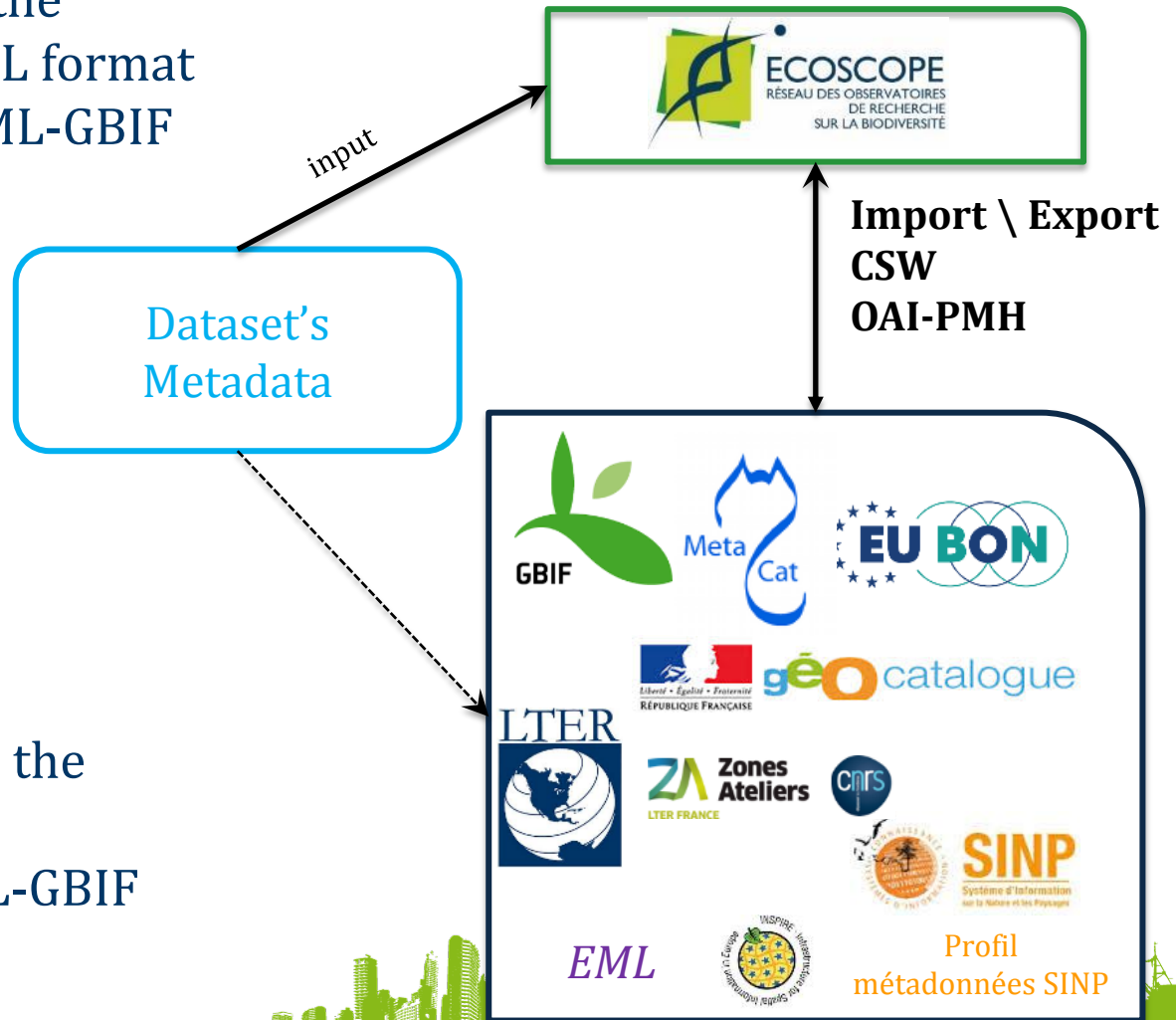


# Main functionalities

1) **Import** metadata in the ECOSCOPE portal in XML format compliant with EML, EML-GBIF or ISO 19115/19139.

2) Or **enter** metadata manually (web forms) in the ECOSCOPE portal.

3) **Export** metadata from the ECOSCOPE portal in xml compliant with EML, EML-GBIF or ISO 19115/19139.





A landscape photograph showing a wetland area with a forest in the background and a field in the foreground. The wetland is filled with water and green vegetation, including reeds and shrubs. The forest in the background is dense and green. The foreground is a brown, textured field.

**Thanks for your attention !**

**[ecoscope@fondationbiodiversite.fr](mailto:ecoscope@fondationbiodiversite.fr)**