The LifeWatch Eric Semantic Platform

Nicola Fiore 20-22 September 2023

Madrid, Spain

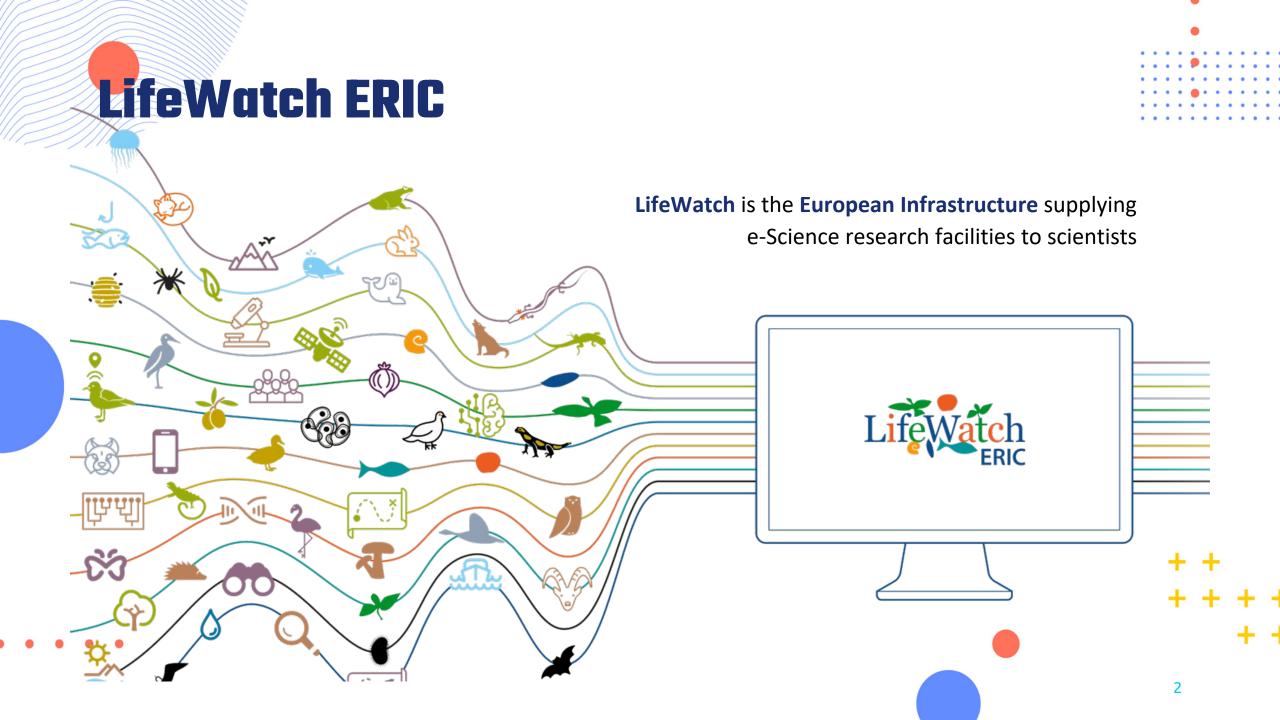
#EOSCsymposium23



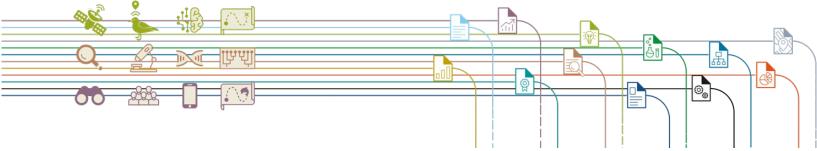






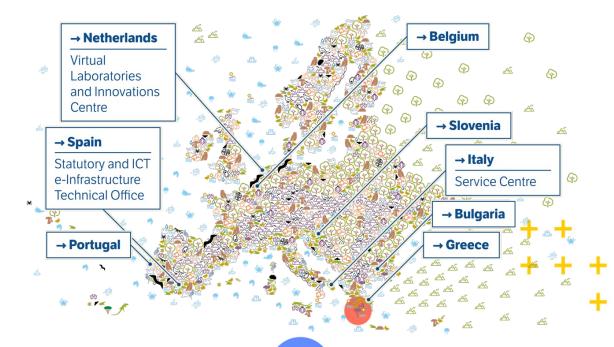


LifeWatch ERIC



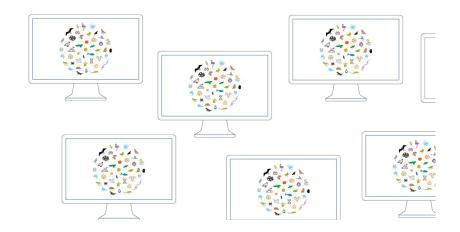
adding knowledge and deepening understanding on **Biodiversity** organisation and **Ecosystem** functions and services

by **federating** distributed physical observatories, research and institutional environment management centres ...

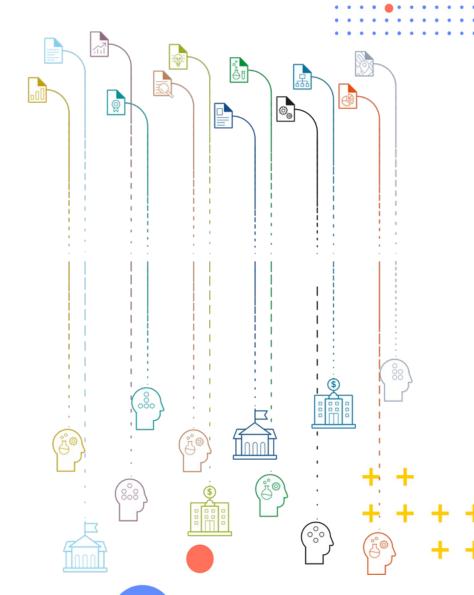


LifeWatch ERIC

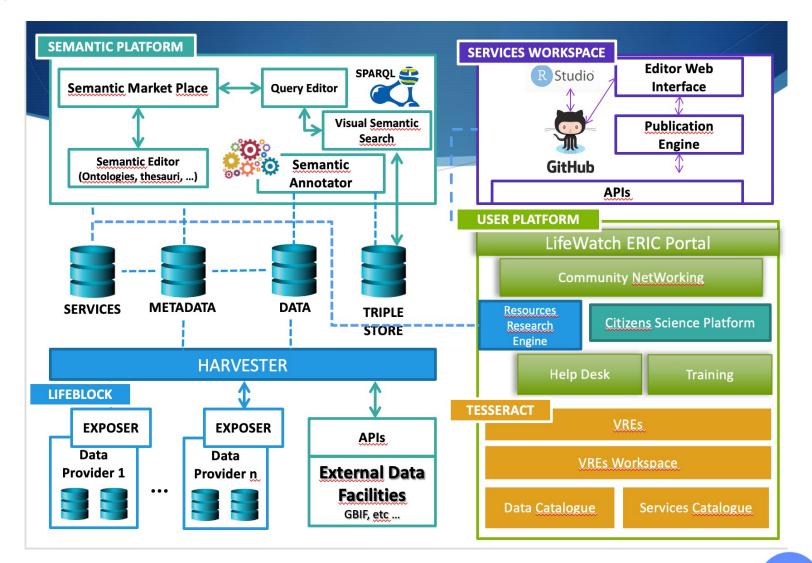
... and by bringing together **scientific communities** into a single accessible web space



in **support** of our **societies** to address **key planetary challenges**

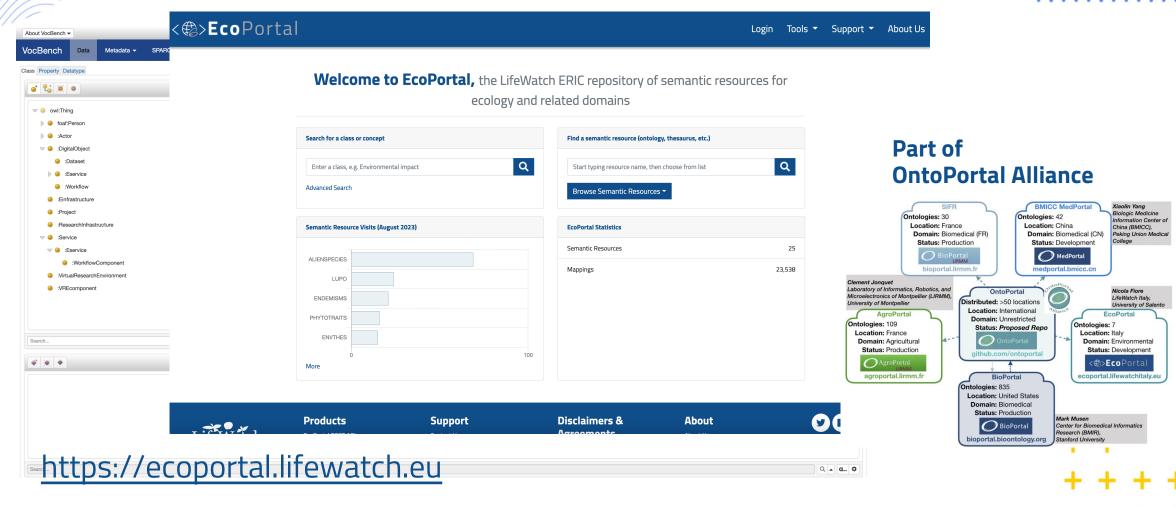


Architecture Overview





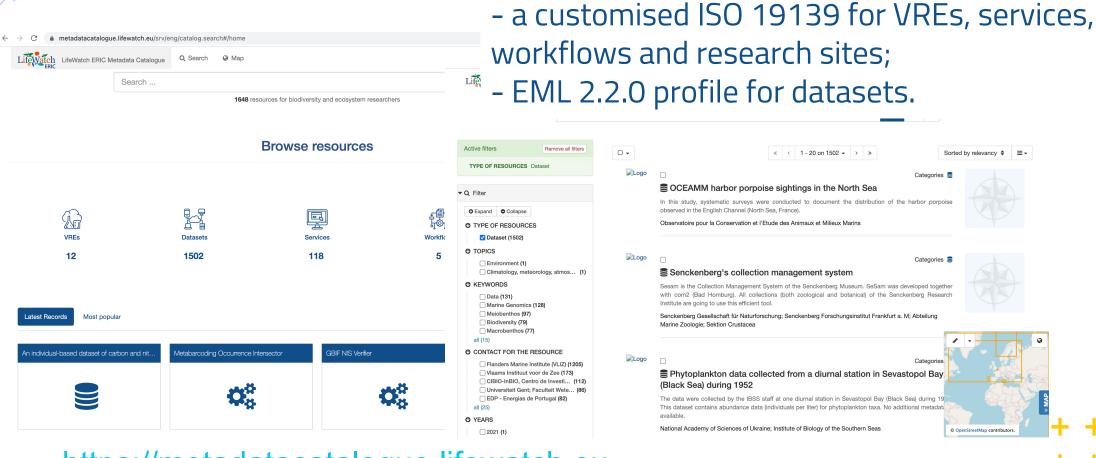
EcoPortal



- 25 Semantic Artefacts Published
- more than 100 in publication



MetaData Catalogue



https://metadatacatalogue.lifewatch.eu

Visual Semantic Search



LifeWatch Italy Semantic Platform

To search through and access LifeWatch Italy resources with the help of semantically enriched queries. The platform is based on a main semantic model that describes different resources and their metadata, as well as on meaningful links between the controlled vocabularies for the Biodiversity and Ecosystems domain and the resources of LifeWatch Italy.

What are you searching for?

The platform is powered by a semantic search engine that can be used in two modes - simple or structured.

Simple Search

To use the simple search, type at least two characters in the search box.

Search for anything

Structured Search

Guided Tour

Use the structured search to formulate more complex queries. Start by selecting the kind of resource you wish to find.

https://semantics.lifewatchitaly.eu





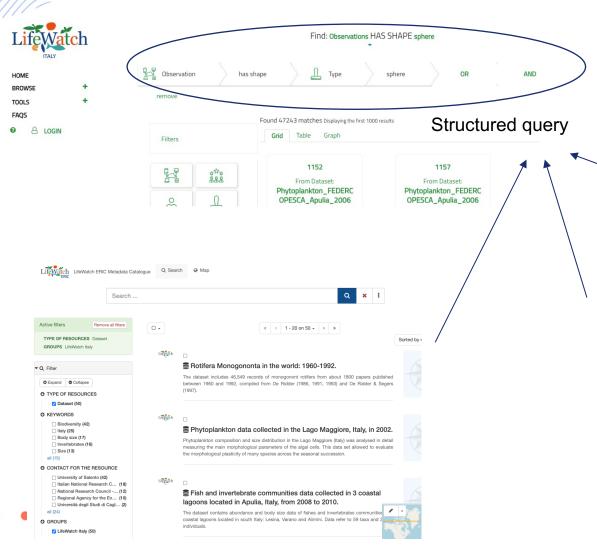
Service



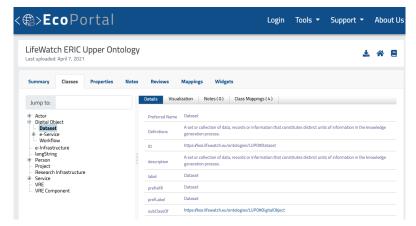
Person



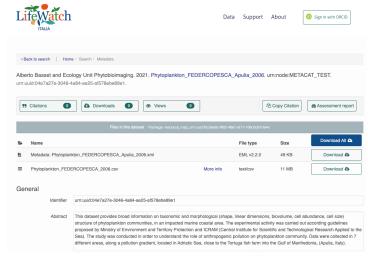
Visual Semantic Search



LifeWatch Italy Datasets metadata



LifeWatch ERIC Upper Ontology (LUPO)

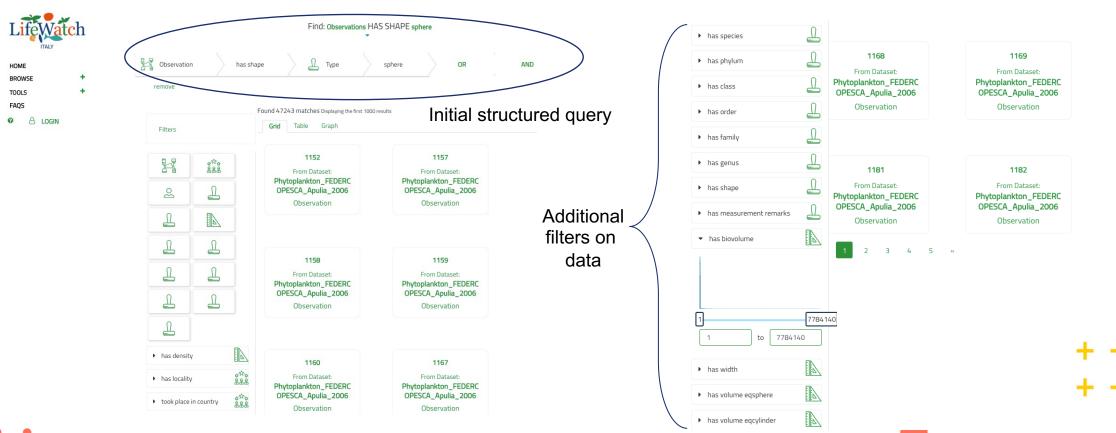




LifeWatch Italy Datasets observations

Visual Semantic Search

The structured search allows users that do not know how to write SPARQL queries to formulate questions that are more complicated with respect to a simple text-based search by using only the UI.



It permits to query and browse datasets observations by fostering the investigation and collaboration between scientific communities of different domains by means of semantic artifacts.



Stay tuned

Nicola Fiore nicola.fiore@lifewatch.eu

