

LifeWatch ERIC Metadata Catalogue



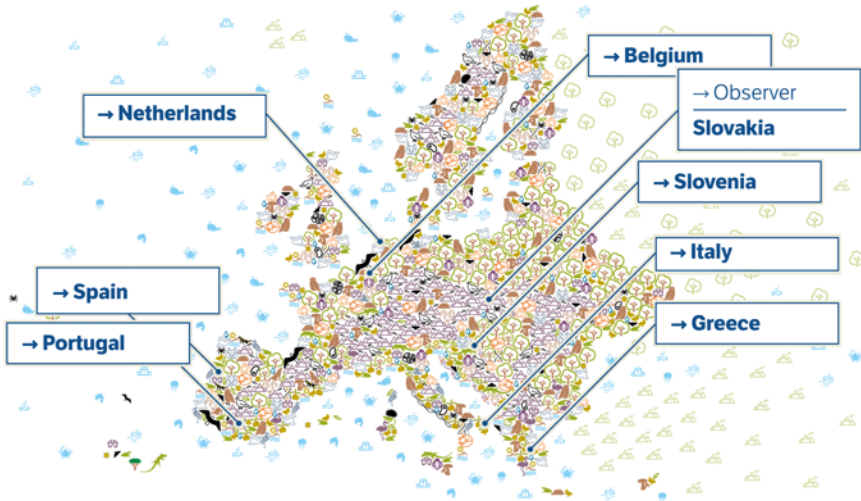
User Manual v1.3

June, 2021

LifeWatch ERIC

LifeWatch ERIC is a European Infrastructure Consortium that offers e-Science research facilities to scientists investigating Biodiversity organization and Ecosystem functions and services.

Combining a wide range of ICT tools and resources with deep domain knowledge, **LifeWatch ERIC**'s mission is to be the leading worldwide provider of content and services for the Biodiversity research community, creating new opportunities for large-scale scientific development, and enabling accelerated data capture and modelling thanks to the use of innovative technologies.



LifeWatch ERIC is a distributed research e-infrastructure consortium consisting of 7 European Member States.

Its structure mirrors its nature, with central components (Common Facilities) located in 3 Member States (Spain, Italy and the Netherlands), and National Nodes in all 7 countries.

LifeWatch ERIC's current members are: Belgium, Greece, Italy, the Netherlands, Portugal, Slovenia and Spain. Slovakia participates as an Observer.

LifeWatch ERIC Metadata Catalogue

The LifeWatch ERIC Metadata Catalogue is based on GeoNetwork 3.10 and allows to manage metadata related to five kinds of resources:

- **Datasets**, by using the EML¹ 2.2.0 standard (60 metadata attributes)
- **Research Site**, by using a customized ISO19139² standard (14 metadata attributes)
- **Services**, by using a customized ISO19139 standard (34 metadata attributes)
- **Virtual Research Environments**, by using a customized ISO19139 standard (24 metadata attributes)
- **Workflows**, by using a customized ISO19139 standard (24 metadata attributes)

Metadata attributes can be optional/mandatory and can require single/multiple values.

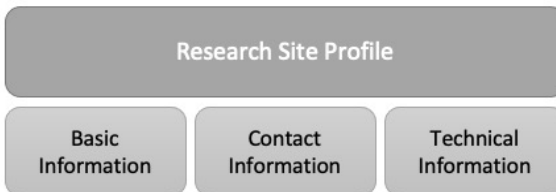
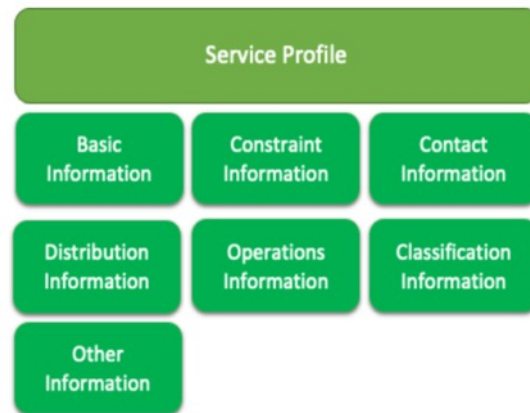
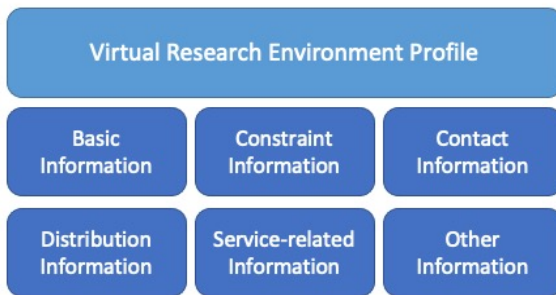
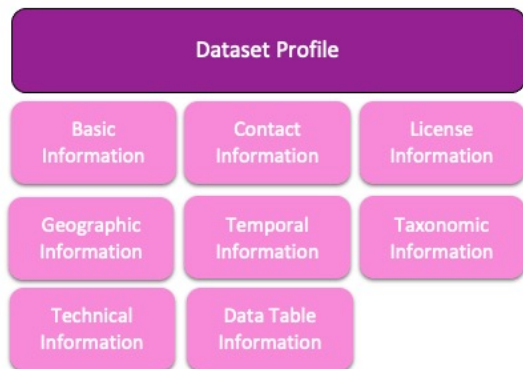
The LifeWatch ERIC Metadata Catalogue allows (upon validation and verification) the creation of Digital Object Identifiers (DOIs) for resources that do not have it, by exploiting the GeoNetwork – DataCite connection.

¹ EML: Ecological Metadata Language - <https://eml.ecoinformatics.org>

² ISO 19139 standard - <https://www.iso.org/standard/32557.html>

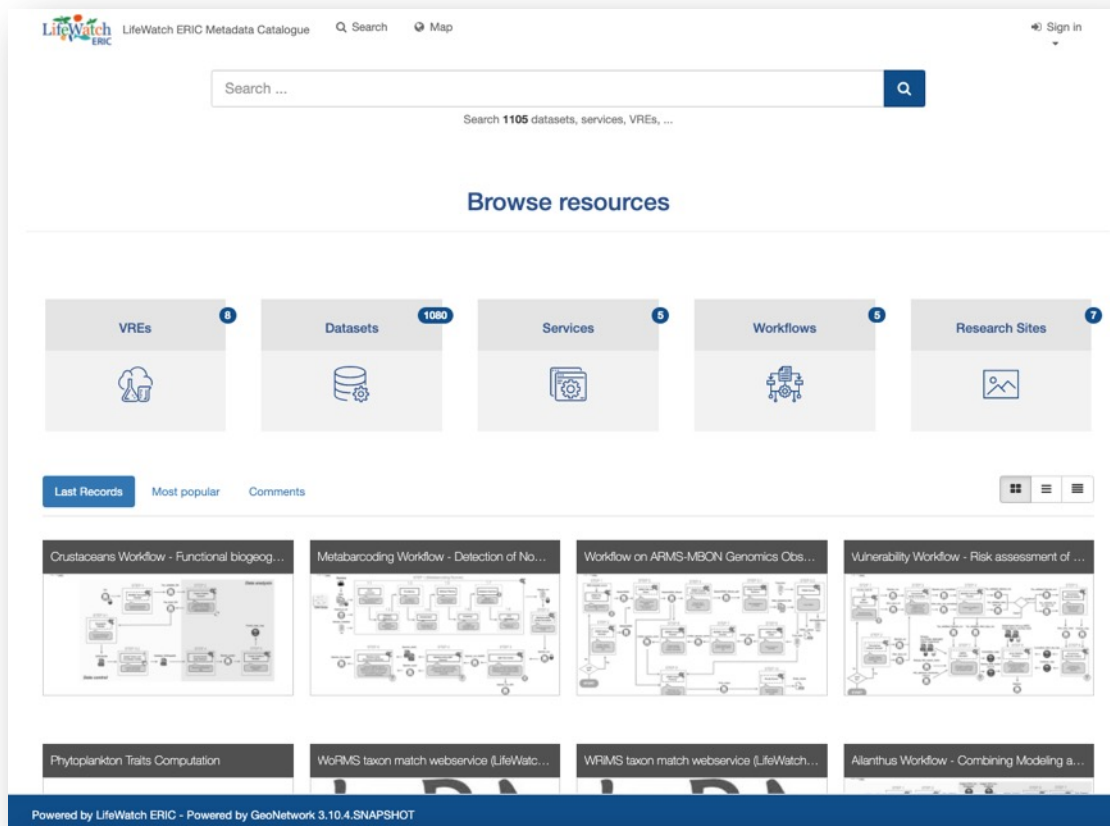
LifeWatch ERIC Metadata Catalogue

The LifeWatch ERIC Metadata Catalogue is based on GeoNetwork 3.10 and allows to manage metadata related to five kinds of resources:



LifeWatch ERIC Metadata Catalogue

<https://metadatalogue.lifewatch.eu>



The screenshot displays the LifeWatch ERIC Metadata Catalogue website. At the top left is the LifeWatch ERIC logo. The main header includes the text "LifeWatch ERIC Metadata Catalogue", a search icon, and a "Map" icon. On the right side of the header, there is a "Sign in" link. Below the header is a search bar with the placeholder text "Search ..." and a magnifying glass icon. Underneath the search bar, it says "Search 1105 datasets, services, VREs, ...".

The main content area is titled "Browse resources" and features five large, light gray buttons with icons and counts:

- VREs**: 8 (Icon: two people)
- Datasets**: 1080 (Icon: database cylinder)
- Services**: 5 (Icon: gear)
- Workflows**: 5 (Icon: flowchart)
- Research Sites**: 7 (Icon: map)

Below these buttons are three tabs: "Last Records" (selected), "Most popular", and "Comments". To the right of the tabs are three icons for grid, list, and menu views.

The main content area displays a grid of workflow cards. Each card has a title and a thumbnail image showing a flowchart:

- Crustaceans Workflow - Functional biogeog ...
- Metabarcoding Workflow - Detection of No ...
- Workflow on ARMS-MBON Genomics Obs ...
- Vulnerability Workflow - Risk assessment of ...
- Phytoplankton Traits Computation
- WRMS taxon match webservice (LifeWac...
- WRMS taxon match webservice (LifeWac...
- Alarthus Workflow - Combining Modeling a...

At the bottom of the page, a blue footer contains the text: "Powered by LifeWatch ERIC - Powered by GeoNetwork 3.10.4.SNAPSHOT".

LifeWatch ERIC Metadata Catalogue

The LifeWatch ERIC Metadata Catalogue allows to:

- discover resources with advanced filters (e.g., according to the provider, to the group, i.e. LifeWatch national nodes)
- manage users with the corresponding profiles and privileges



Admin:

has all privileges within the Catalogue



Content reviewer:

editor privileges + can review content, authorize publication and request a DOI within its group



Editor:

can create/edit/delete content within its group

Registered users

Public users: can browse the catalogue and download public metadata

