



Fish, a matter of scales

The objective is to deliver a scalable and robust open data portal for fisheries in EU waters and beyond, with a focus on the Global Tuna Atlas and the Global Record of Stocks and Fisheries (GRSF).

Partners:



Data sources through Blue-Cloud:

EMODnet bathymetry, EMODNET Biology

Main target users:

Fisheries resource managers and fisheries research community, traceability experts and the general public.

Services introduction:

The VLab offers two independent services; the fisheries atlas (with Global Tuna Atlas as an example), and the Global record of Stocks and Fisheries that consist of a combination of a semantic knowledge base and data-flow, and a data integration service. Both services rely on ISO-OGC compliant data-flows and expose data in a catalogue and metadata-driven map viewer with R-Shiny components to expose data to the general public. Registered users can also access data using R, Jupyter notebooks, and dataminer.

UN SDGs addressed



SERVICES

FIRMS Tuna Atlas
The FIRMS Tuna Atlas is one result of the Fisheries Atlas service. The service behind is a mature Spatial Data Infrastructure that is also used in Demonstrator 5. The service allows to harmonise and standardise fisheries data to become uniform global datasets. This requires a complex workflow that has to be validated with the data-providers in order to ensure high-quality datasets.

Global Record of Stocks and Fisheries
The Global Record of Stocks and Fisheries (GRSF) offers a Catalogue and a Map Viewer. The GRSF service enables a semantic workflow for data alignment and harmonisation, and attaches a stable UUID to validated records. The records can be enriched with ancillary information such as capture time series, model output, and assessment reports. This makes the GRSF the only global catalogue and particularly suited to traceability needs.

"The Fisheries Atlas is an innovative product that presents authoritative and standardised public data on fisheries. It was made possible thanks to a strong and long-lasting partnership and a broad range of scientific and technical expertise. By facilitating access to high-quality and spatialised data, it provides the information needed to address critical issues such as traceability and sustainable fisheries management."



MARC TACONET
FAO of the UN,
Information and
knowledge
management Team

Test the VLab now!

