eosc | Blue-Cloud2026

Virtual Labs

Global Fisheries Atlas

This Virtual Lab's mission is to help making fisheries data FAIR and, by doing so, to provide a more comprehensive view of global fisheries to support informed decision-making and management of fisheries resources.

Partners Involved

IRD Institut de Recherche pour le Développement FRANCE

FORTH

Food and Agriculture Organization of the United Nations

Data Sources

FIRMS (RFMOs), FishSource (Sustainable Fisheries Partnership), RAM, and FAO SDG14-4-1 Questionnaire.

Main Target Users

Fisheries management agencies, Marine Researchers, and the general public.

Services Introduction

The VLab offers a suite of tools and services to help users generate, browse and analyse (and interpret) data and knowledge. These tools include an integrated development environment (RStudio IDE), interactive maps and charts, as well as advanced data analysis and modeling capabilities. Some key datasets and code are made openly accessible (on Zenodo) to enable reproducible research.

UN SDGs addressed

SERVICES

Spatial Data Infrastructure

The Spatial Data Infrastructure is a catalog for data discovery and a spatial database and server to access standardized metadata and data.

Triplestore

The Triplestore enables access over the contents of semantic web knowledge bases (i.e. GRSF knowledge base) using W3C standards (i.e. through a SPARQL endpoint).

Runtime Environment

The Runtime Environment is a tool to reproduce or customize the execution of R code in a shared RStudio.

Atlas

The Atlas enables the viewers to display and explore information as map layers.

Julien Barde
IRD

Our objective is to make fisheries data and code open for people to understand the status of the fish stocks worldwide. As a result, we raise awareness to manage resources more sustainably.

Learn More Here!