Indis

International conference on Marine Data and Information Systems



27-29 May 2024 🏪



advicexplorer

A new app that makes ICES fisheries advice interactive and accessible

IMDIS 2024, Bergen, Norway (29th of May)

Sarah Louise Millar – Professional Officer Luca Lamoni – Advice and Data Analyst







International Council for the Exploration of the Sea

Intergovernmental organization leading marine science cooperation since 1902

Mission:

To advance scientific understanding of marine ecosystems and provide knowledge for the sustainable management of our seas.

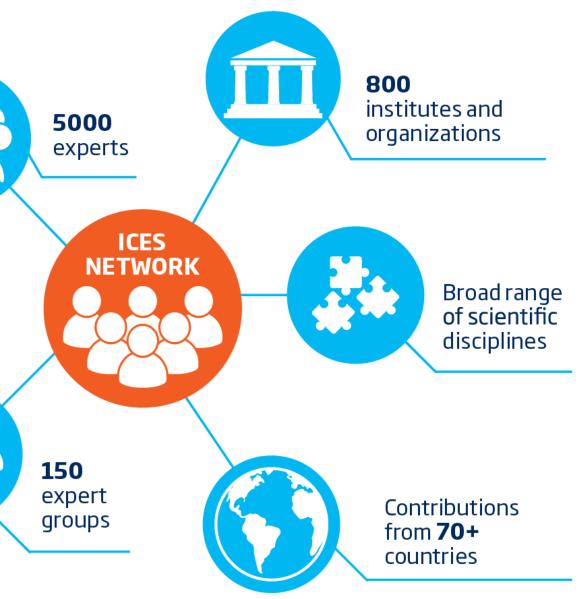
ICES provides:

- scientific advice
- data and information products
- scientific cooperation



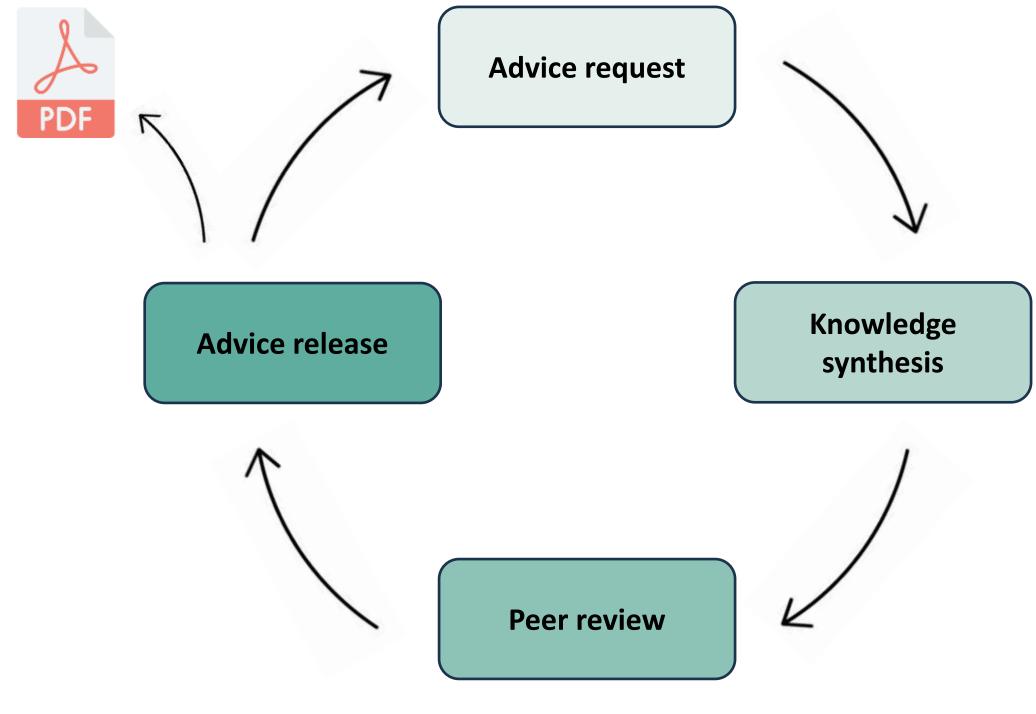






ICES annual report 2022

ICES advice process







Why a web-based interactive product?

- One location only
- Easier access to stock's advice
- Interactive data visualisation
- Direct access to the data behind the advice figures
- Easier integration and connection of multiple ICES products
- Customizable user experience
- Always up-to-date







What is adviceXplorer?

A web-application built using Shiny open-source R package

When...

- Development period (2021-2023)
- Released on the 30th June 2023

Aim...

- facilitate visualisation of the advice on fishing opportunities
- facilitate access to the data used to produce it

Fully integrated with ICES databases and processes



adviceXplorer

Advice process

Expert Groups

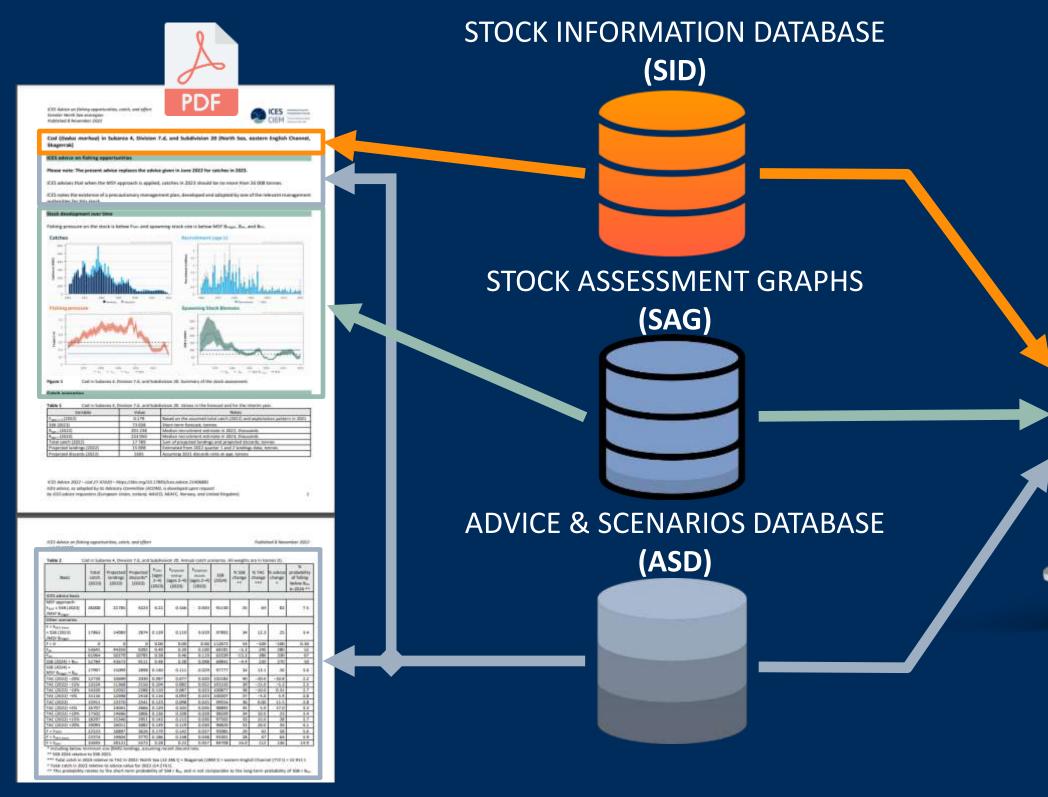
ICES secretariat staff



Transparent Assessment Framework (TAF)

ICES Databases & webservices

ICES Databases





advice**x**plorer

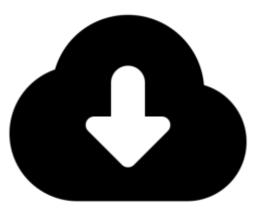


What data can be found on adviceXplorer?

Year	2018	2019	2020	2021	2022	2023
N. of stocks	181	202	187	186	190	176

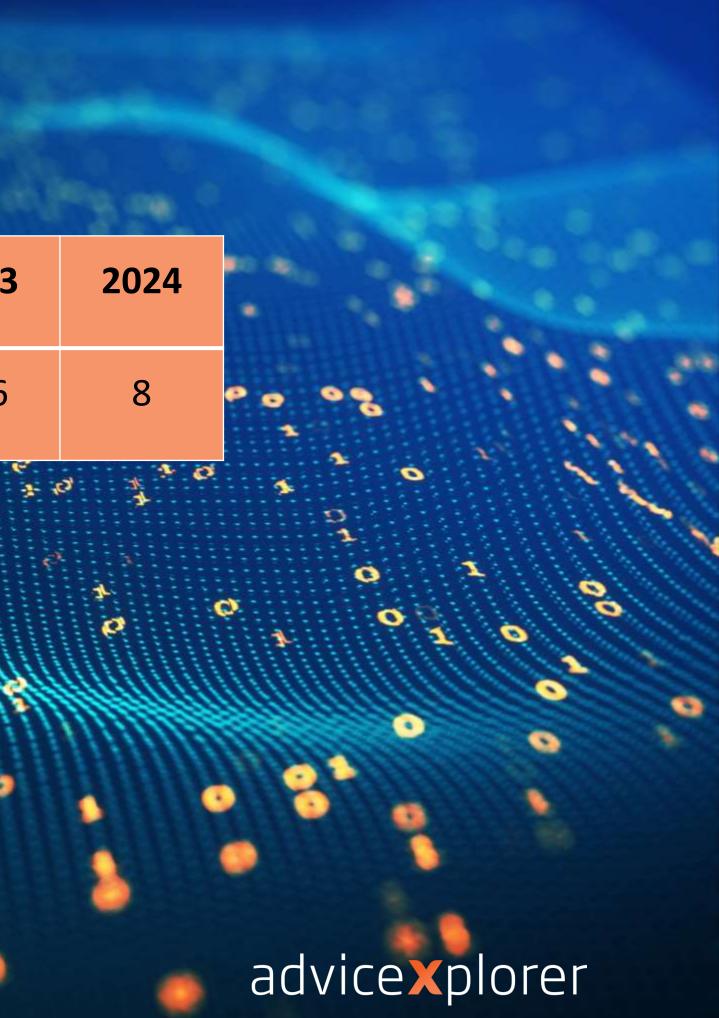
For each stock assessment:

- Trends over time (landings, recruitment, fishing pressure, spawning stock biomass)
- Catch scenarios
- Links to ICES resources







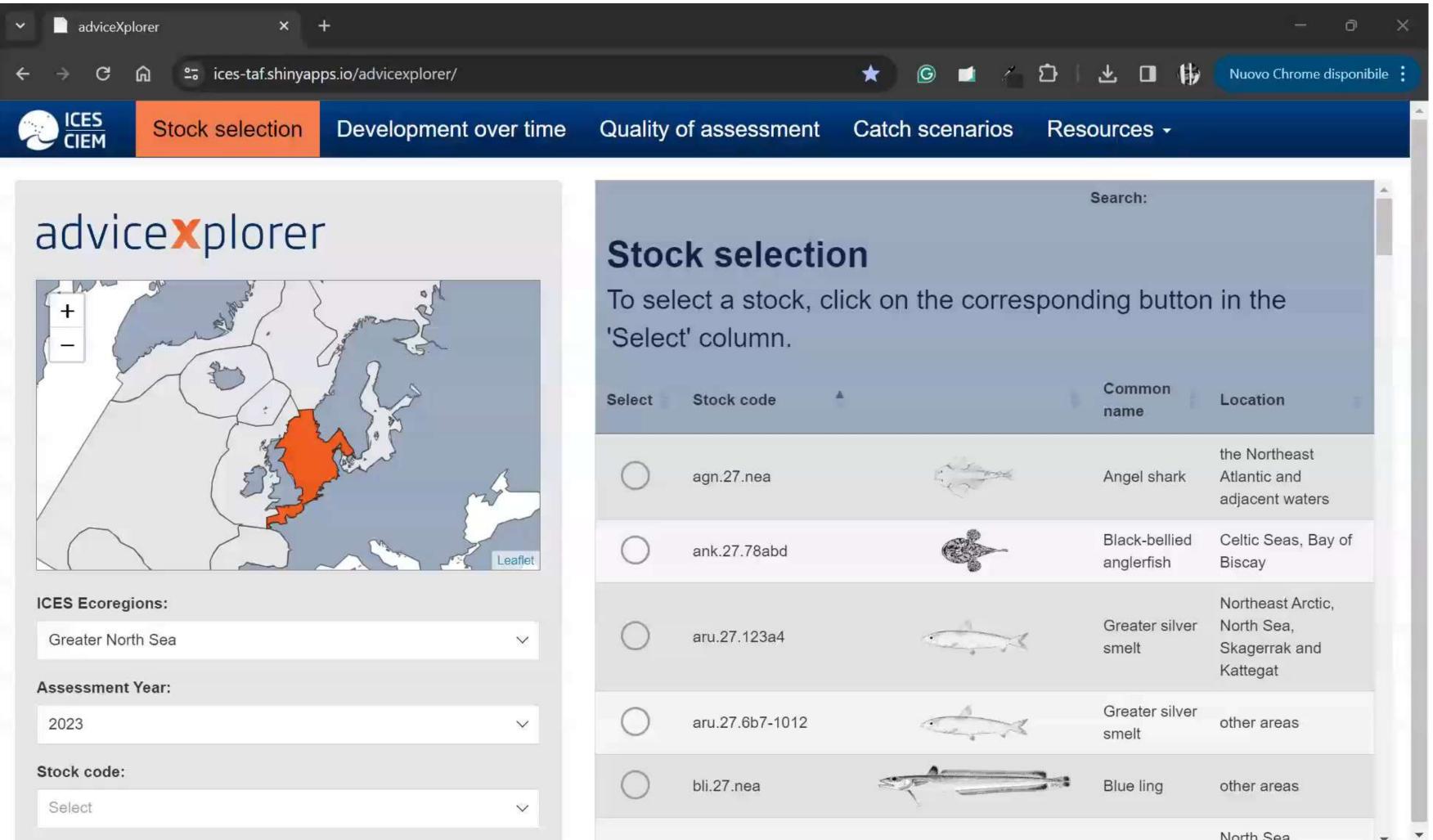


Live demo

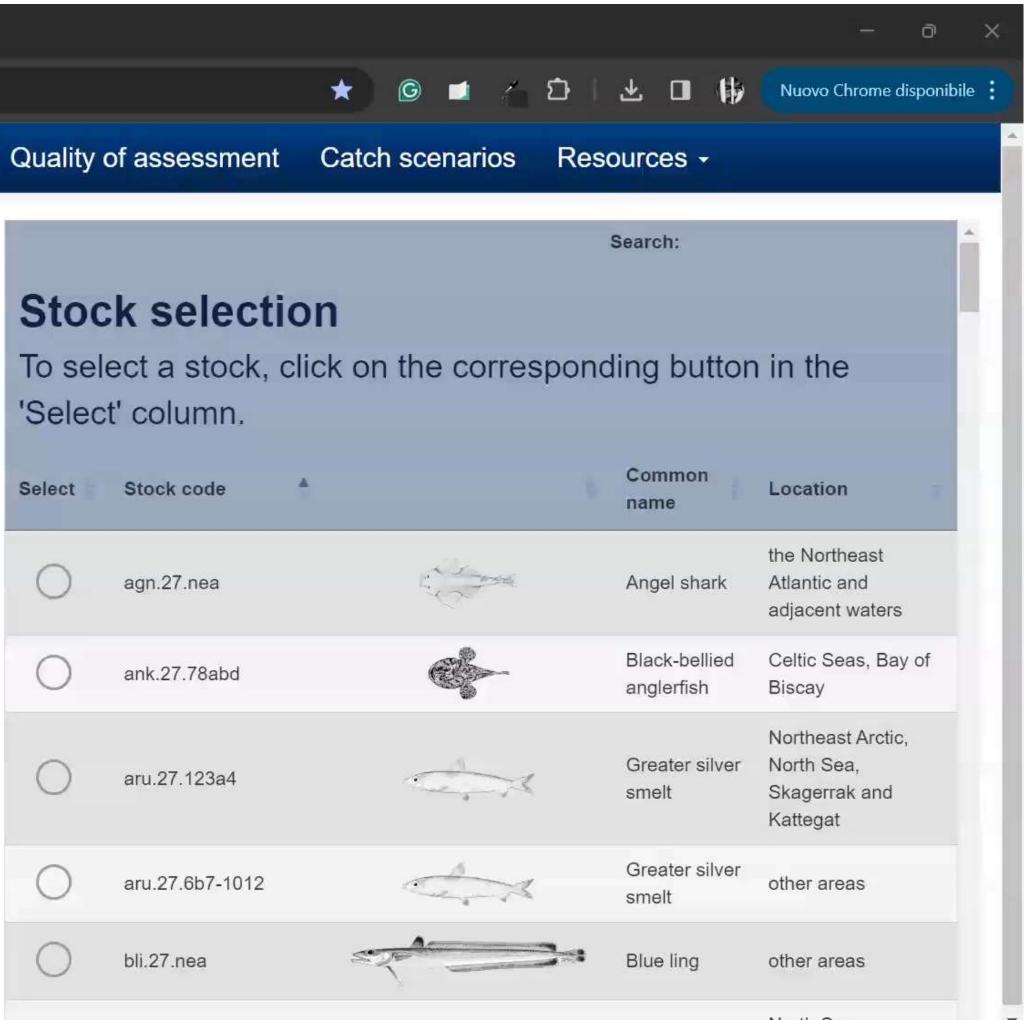
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advicexplorer			Search: Search					
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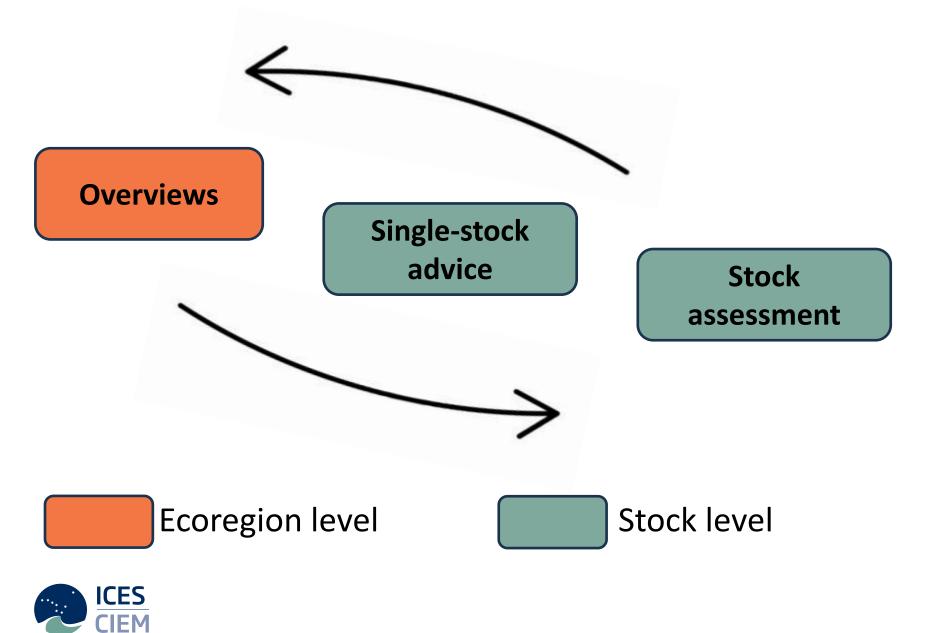




North Sea.

Future developments

 ICES vision to develop a suite of web-based interconnected applications to move easily from regional-level overviews to stock-level assessments



Acknowledgments

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Thank you!

