

Interactive online advice app

Presentation of the Beta version to the Advisory Councils

13th of April 2023

Online

Luca Lamoni (advice and data analyst)

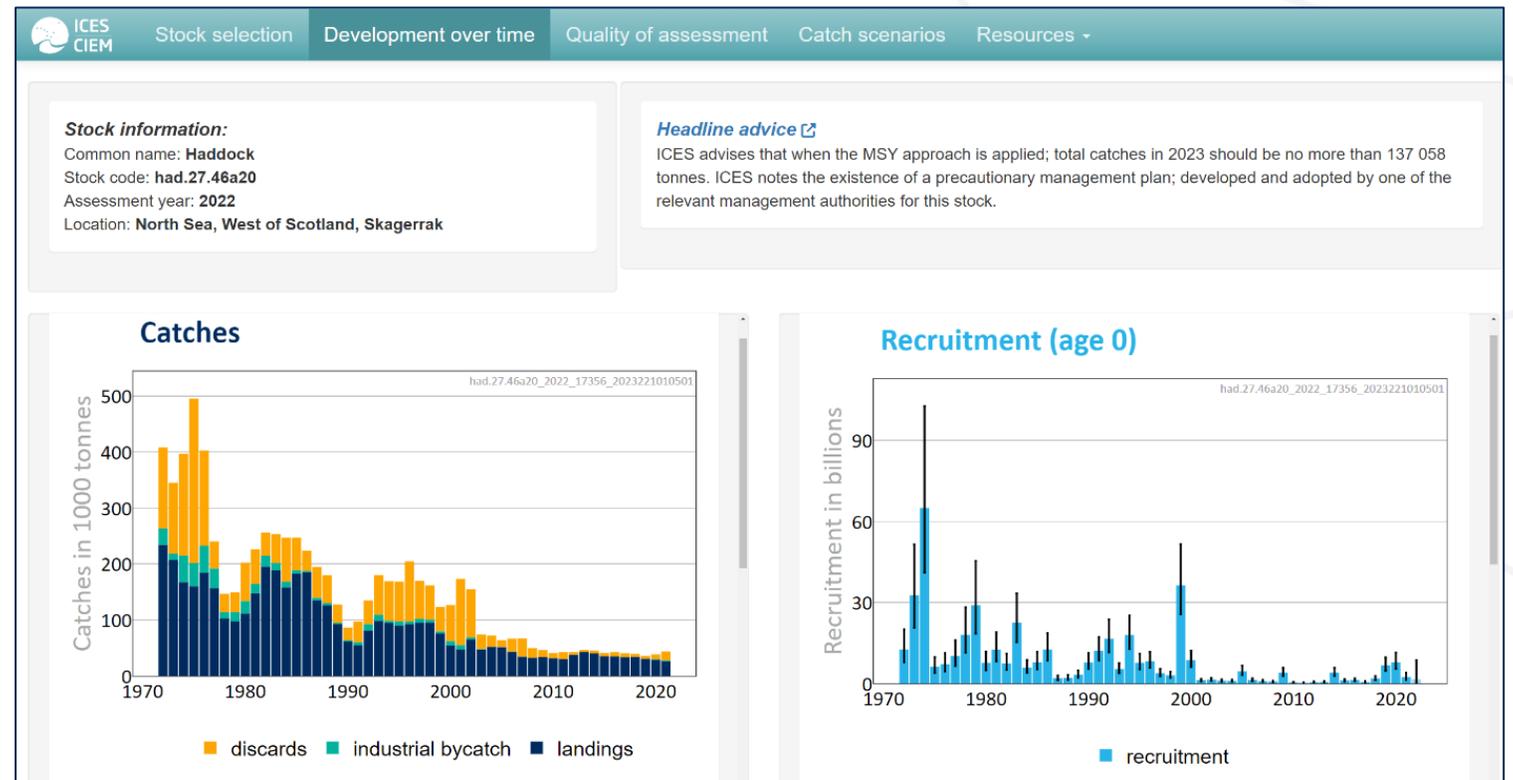
luca.lamoni@ices.dk



Science for sustainable seas

The advantages of an interactive tool

- 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



Beta version release

- 27th of January 2023
- Beta version includes around 100 stocks across all ecoregions and categories (1-6)

To select a stock, click on the corresponding button in the 'Select' column.

Select	Stock code	Common name	Location
<input type="radio"/>	ark.27.78abc	Black-bellied anglerfish	Celtic Seas, Bay of Biscay
<input type="radio"/>	blf.27.3a47de	Drill	North Sea, Skagerrak and Kattegat, English Channel
<input type="radio"/>	bsf.27.9ea	Black scabbardfish	Northeast Atlantic and Arctic Ocean
<input type="radio"/>	cod.27.21	Cod	Kattegat
<input type="radio"/>	cod.27.47d20	Cod	North Sea, eastern English Channel, Skagerrak
<input type="radio"/>	cod.27.7e-k	Cod	eastern English Channel and southern Celtic Seas
<input type="radio"/>	gfb.27.9ea	Greater forkbeard	the Northwest Atlantic and adjacent waters
<input type="radio"/>	gug.27.3a47d	Grey gurnard	North Sea, eastern English Channel, Skagerrak and Kattegat
<input type="radio"/>	had.27.48a20	Haddock	North Sea, West of Scotland, Skagerrak
<input type="radio"/>	had.27.7b-k	Haddock	southern Celtic Seas and English Channel
<input type="radio"/>	hcl.27.1-24a514a	Herring	the Northeast Atlantic and Arctic Ocean
<input type="radio"/>	her.27.20-24	Herring	Skagerrak, Kattegat, and western Baltic
<input type="radio"/>	her.27.3a47d	Herring	North Sea, Skagerrak and Kattegat, eastern English Channel
<input type="radio"/>	hmr.27.2a4a5b6a7a-cb-k9	Horse mackerel	the Northeast Atlantic
<input type="radio"/>	lwn.27.3a47d	Lemon sole	North Sea, Skagerrak and Kattegat, eastern English Channel
<input type="radio"/>	mac.27.9ea	Mackerel	the Northwest Atlantic and adjacent waters
<input type="radio"/>	pl.27.7	Sardine	Southern Celtic Seas, English Channel

<https://ices-taf.shinyapps.io/online-single-stock-advice/>



News Events Calendar Library SharePoint login Admin Search this site

ABOUT ICES SCIENCE DATA ADVICE JOIN US

News archive Newsletters Press Room

NEWS

Testing testing: ICES fisheries advice goes interactive

Print it Send to f t in Share it

Single-stock advice goes interactive as ICES launches a new app to visualize fisheries advice.

Published: 27 January 2023

ICES has launched a [beta version](#) (test version) of a new app that visualizes ICES fisheries advice. For the first time, users have the opportunity to access and interact directly with the data behind ICES advice figures.

This is an important step towards ICES advice sheets becoming fully interactive, potentially opening the advice up for wider use and understanding. The app also gives the option of downloading the classic pdf file, thus ensuring that the current use of our advice still is possible.

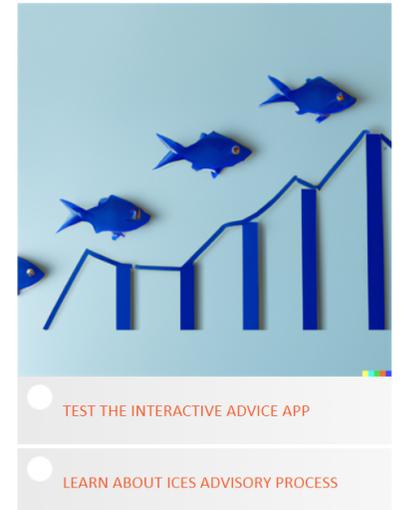
Advice release

When ICES releases its scientific advice, it is published in ICES library with links to the advice documents emailed to the advice requesters. However, as much of the underlying data used to develop the advice, the advice itself, and the catch scenarios provided can only be found in these advice sheets, these data are not readily downloadable.

Over the past 2 years, a team at ICES Secretariat has been working to translate the advice data from the static advice sheet to an interactive online tool.

The motivation to develop the app started with a Special Request in 2018: *Could ICES develop a more interactive advice product with a simple, easy-to-use interface?* In parallel, there were also informal requests asking ICES to develop a database that would store catch scenario information, as well as basic information such as the headline advice. These requests, coupled with a desire across the network to have the advice sheet information more readily accessible, initiated the work on the online advice app.

One of the main challenges has been to develop a *shiny* app robust enough to handle the volume and diversity of advice and data outputs found across ICES stocks while providing a seamless user experience.



<https://www.ices.dk/news-and-events/news-archive/news/Pages/OnlineAdvice.aspx>

Feedback

- Feedback form

ICES CIEM Stock selection Development over time Quality of assessment Catch scenarios Resources -

Contact & Feedback
You can contact us via [email](#)
You can submit an issue to our [GitHub repository](#).
Please give us your feedback:

- Contact & feedback
- Data sources
- Data disclaimer & policy
- Citation

- Generally positive re a new interactive tool to access quickly the advice
- Need to be more mobile friendly
- Some stock-specific errors reported
- More feedback needed, especially for the “catch scenarios” tab



Single-stock online advice (Beta release)

Remember to click **Submit** at the end of the form!
Thank you for your feedback!

1 General comments:
Enter your answer

3 How easy was it to select a stock in the Stock Selection page?

Select	Stock code	Common name	Location
<input checked="" type="radio"/>	uk.27.76ad	Stock-bellied argentine	Canal Zone, Bay of Biscay
<input type="radio"/>	uk.27.125a	Greater silver smelt	Northeast Arctic, North Sea, Skagerrak and Kattegat
<input type="radio"/>	uk.27.3a7fa	Skull	North Sea, Skagerrak and Kattegat, English Channel
<input type="radio"/>	uk.27.21	Cod	Kattegat

7 Please rate how effective the catch time-series is at describing catch scenarios.

Catch time series % of change: radial plot % of change: lollipop plot

Select one or more catch scenarios
Historical Catches MSY approach: FMSY Film

Scenarios: Film, Historical Catches, MSY approach: FMSY

☆☆☆☆☆

Full release (June 2023)



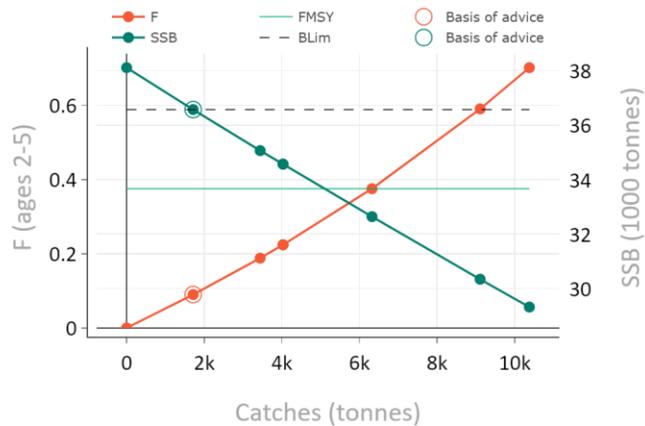
Stock selection Development over time Quality of assessment **Catch scenarios** Resources -

Stock information:

Common name: **Whiting**
 Stock code: **whg.27.7b-ce-k**
 Assessment year: **2022**
 Location: **southern Celtic Seas and eastern English Channel**

Headline advice [↗](#)

ICES advises that when the MSY approach is applied; catches in 2023 should be no more than 1715 tonnes. ICES notes the existence of a precautionary management plan; developed and adopted by one of the relevant management authorities for this stock. Management should be implemented at the stock level.



Subset of catch scenario table (click [↗](#) to access the full version)

Basis		Ftotal (2023)	Fprojected landings (2023)	Total catch (2023)	% advice change** (2024)	SSB (2024)
SSB2024 = Blim	Basis Of Advice	0.09	0.079	1715	-61	36571
MSY and precautionary considerations: F = 0	Other Scenarios	0	0	0	-100	38109
MSY approach: FMSY × SSB2023/MSYBtrigger	Other Scenarios	0.224	0.199	4030	-9.5	34568
EU MAP ^{^^} : FMSY × SSB2023/MSYBtrigger	Other Scenarios	0.224	0.199	4030	-9.5	34568
EU MAP ^{^^} : FMSYlower × SSB2023/MSYBtrigger	Other Scenarios	0.188	0.167	3441	-23	35065

- Implement received feedback
- Include all stocks (Advice and Scenarios Database, ASD – [link](#))
- Include 2023 advice