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Northern Hake Stock dynamics

Future Research

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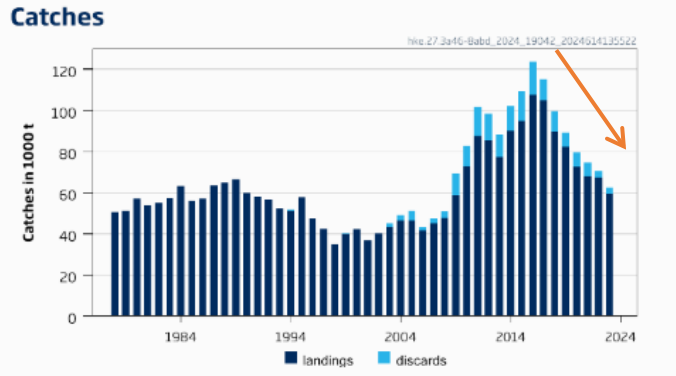
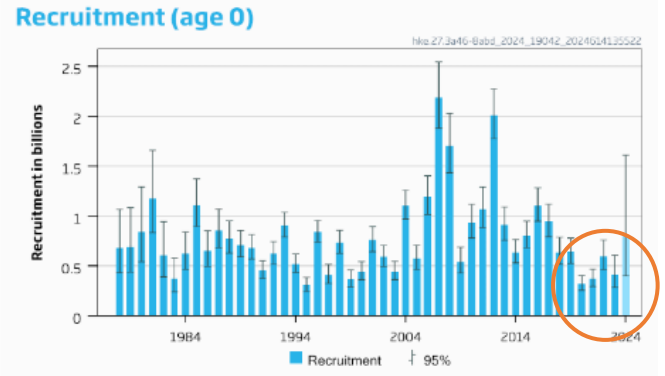
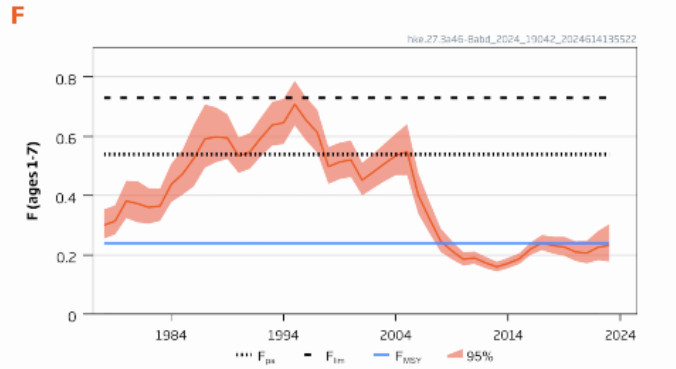
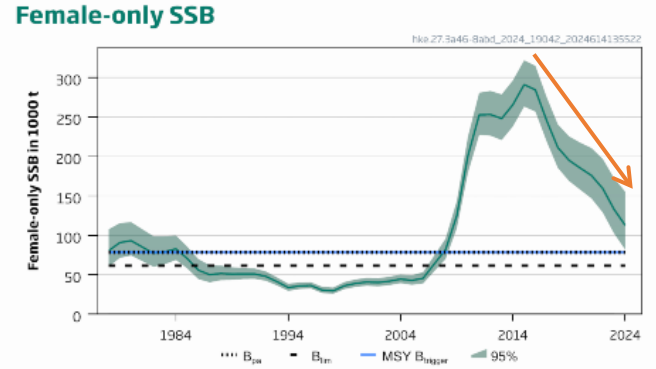
VArmMer. FEMPA 2024-2026

The assessment

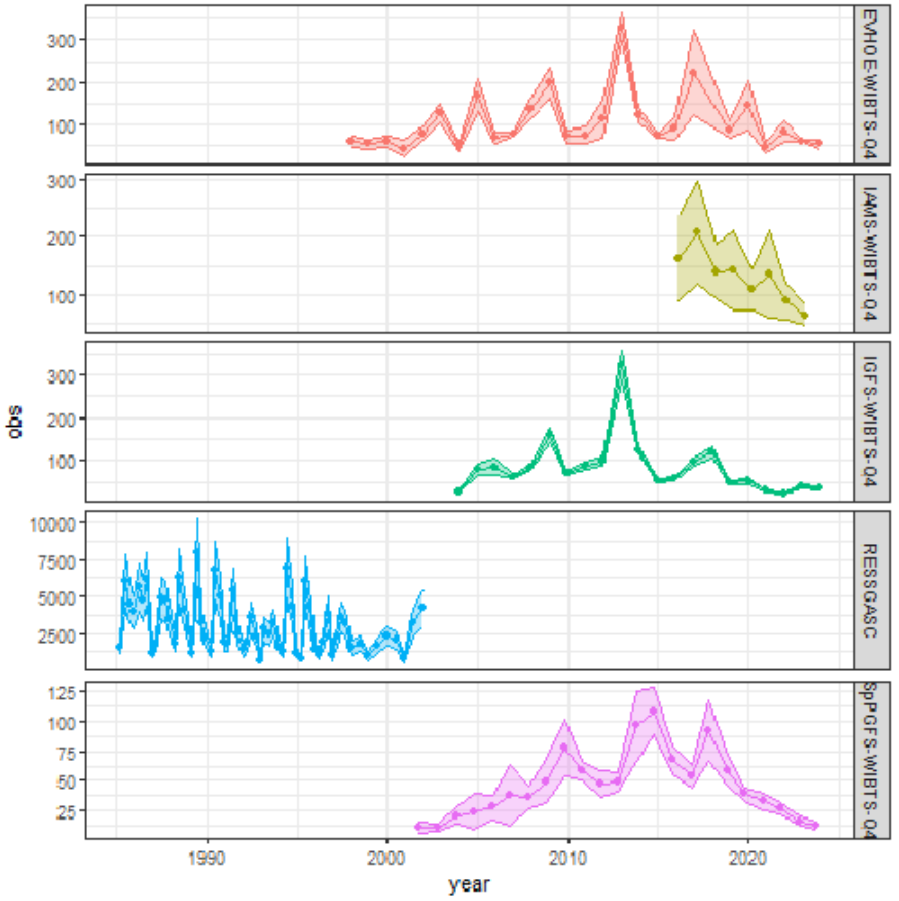








The Surveys



Both assessments and surveys show a big decrease in the biomass of the stock due to a lack of good recruitments

Spatial distribution of the catches

+ 81%

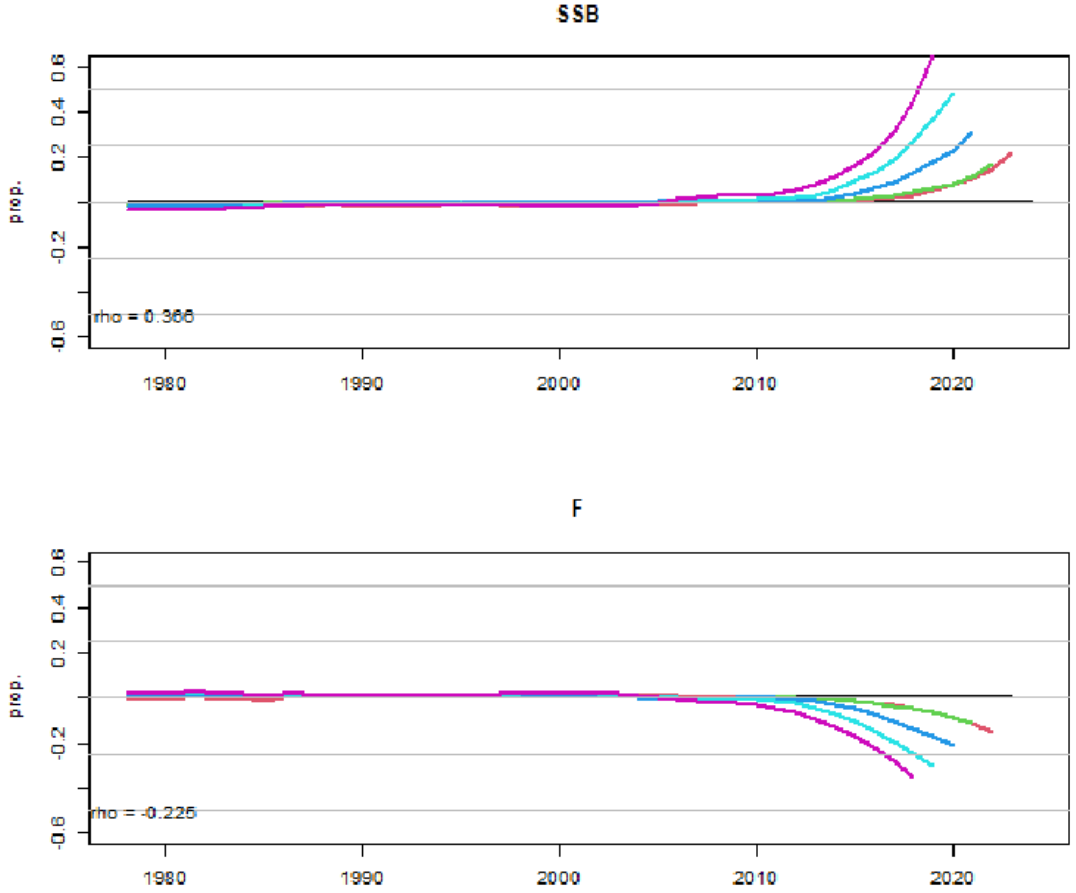
- 33%

- 8%

- 71%!!!

+ 5%

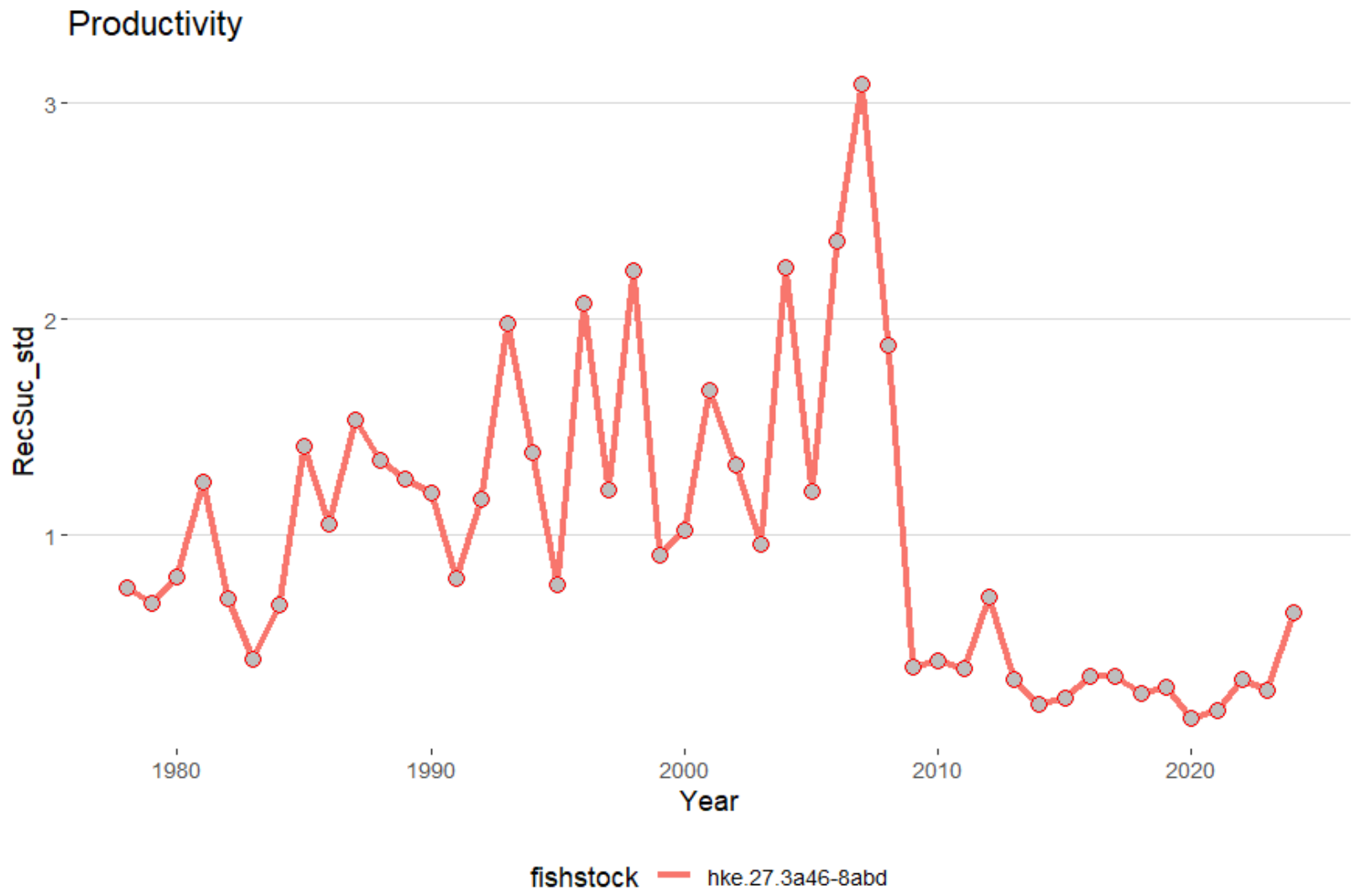
The assessment



Retrospective pattern

⇒ Category 3???

Productivity of the stock



Densodependence

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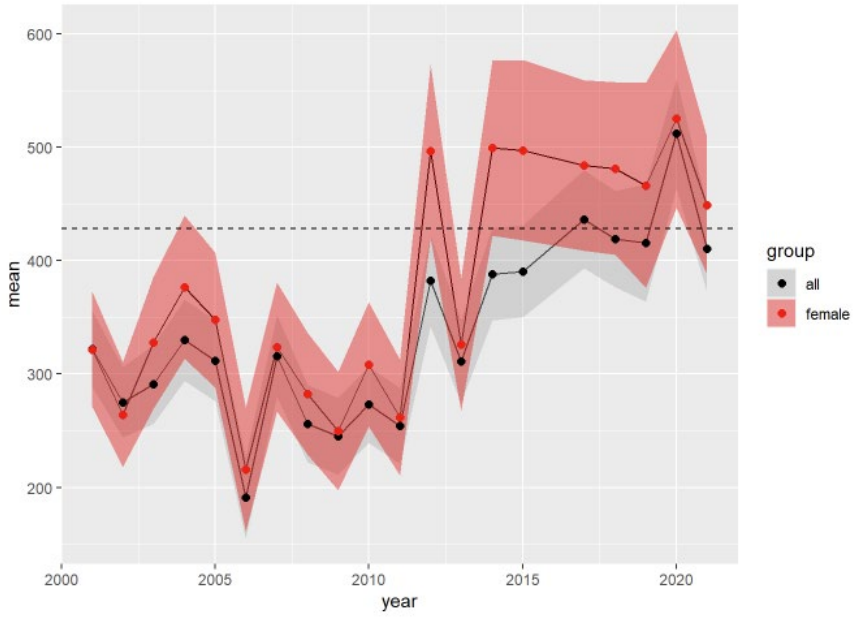
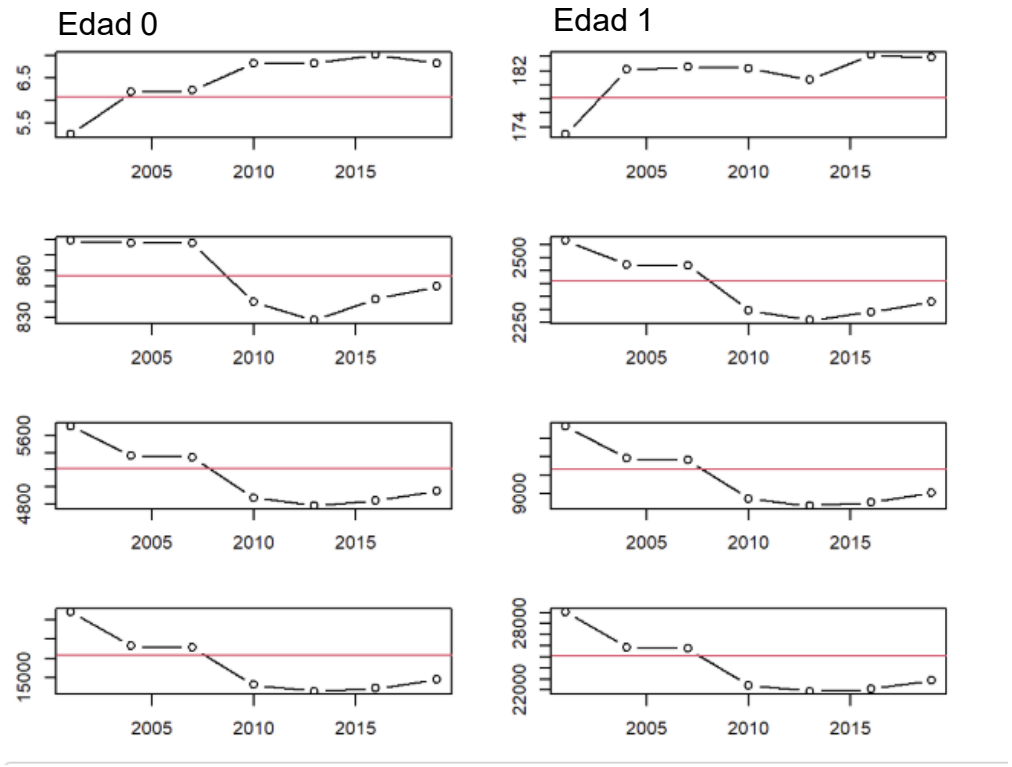
Maturity



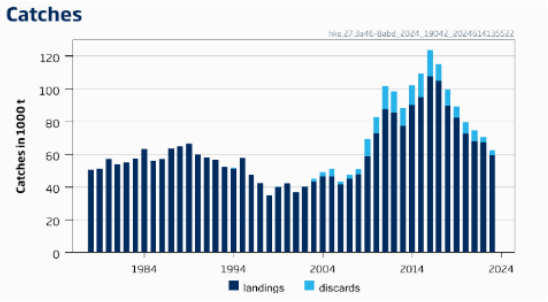
Weights at age

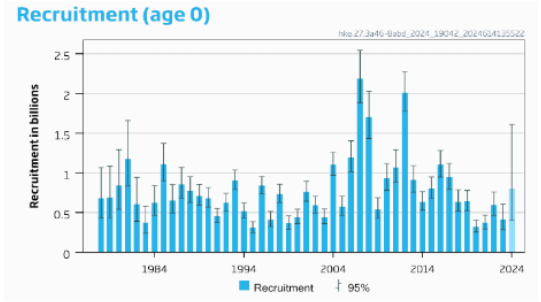


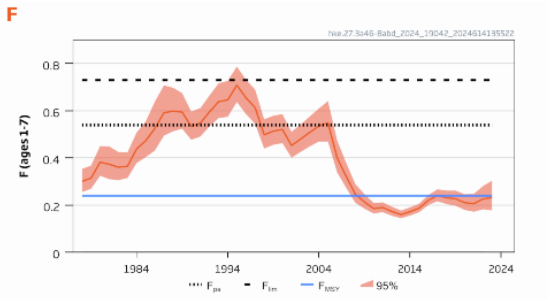
The higher the biomass, the lower the weight and the higher the maturity age

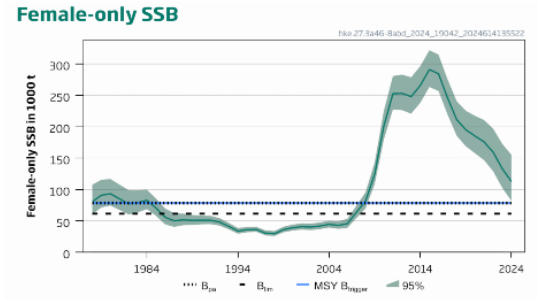
Hake in an ecosystem context

Hake

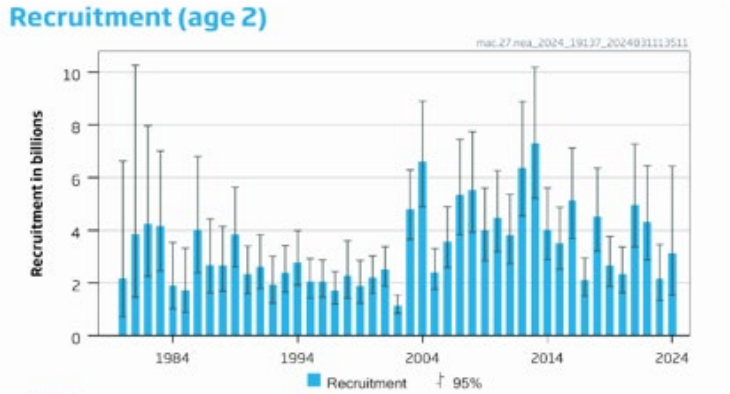


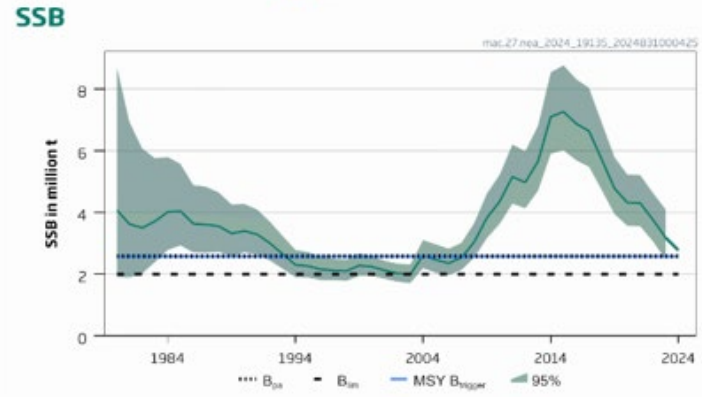






Mackerel



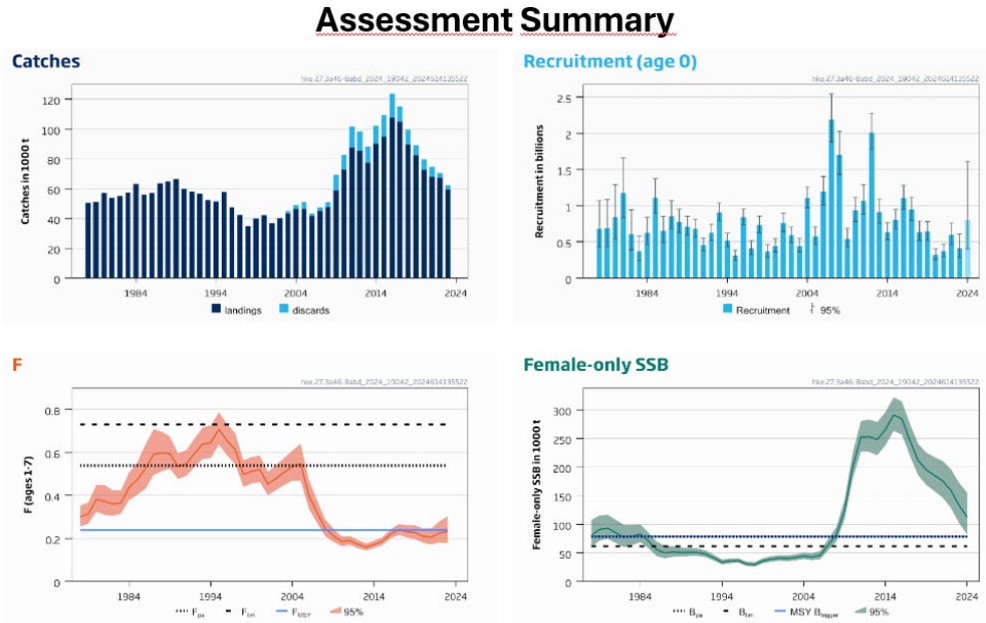


VARMER Project

Variability in abundance and biological parameters of European hake

Objectives:

- Develop a spatial distribution model driven by environmental variables.
- Identify the density-dependent processes in the productivity of the stock.
- Identify the factors that explain the variability in recruitment.
- Identify the causes of variability in the abundance of the northern hake stock.
- Improve stock assessment and management.



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