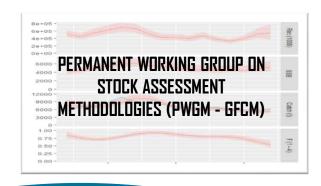




## PWGM – GFCM 3-4 February 2021



ICES International Council for the Exploration of the Sea



FAO – IOTC Indian Ocean Tuna Commission



The invited experts provided the framework for the advice provision in other advisory and management bodies.

Comment raised up "In the Mediterranean, the variety of species is greater than the species covered by ICES and IOTC. **Then, the stock assessment methodologies are different from other seas.**"

## Presentations of main methods used within the GFCM

Data-rich methods

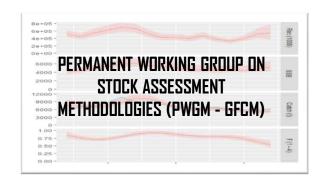
Data-limited methods

Evaluation of strengths and weaknesses of the different methods, as well as comments on their usefulness in the provision of advice within the GFCM





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- Ecosystem Models, MCIE Models, ATLANTIS
- Spatially disaggregated, integrated models (SS3 etc.)
- Integrated models: catch-at-age or catch-at-size models (e.g. SS2)
- Age-structured production models (VPA, XSA)
- BIOMASS DYNAMIC MODELS (Production models): delay difference models (ASPICT, SPICT, JABBA)
- BASIC INDICATORS (catch trends, CPUE, mean size, etc)

Comment raised up **«Local scientific experts should be consulted before the stock** assessment in order to have an overview of the environmental context and the area».

The **official report** of the meeting will be available **after the GFCM SAC** (Scientific Advisory Committee) - **LATE JUNE** 

