

28 | Harvest Strategy in development

Atlantic Mackerel



Management Authority:

North East Atlantic Fisheries Commission

Expected Adoption Year:

2022

Management Objectives:

- Maximum long-term yield
- A maximum annual probability of SSB falling below the limit reference point is less than 5% for all years.

Reference Points:

- **Fishing mortality target** = $26\%F_{MSY}$
- **Bpa (MSY Biomass trigger value)** = 2.58 metric tons
- **Biomass limit reference point** = 2.00 metric tons

*Bpa: biomass below which action should be taken, (pa= precautionary approach)

Candidate Harvest Strategies:

Explored 5 harvest control rules that derive a target fishing mortality based on spawning stock biomass, including combinations of limitations on interannual variability in total allowable catch (aka stability), and various catch banking and borrowing schemes (e.g 10% banking of total allowable catch and 10% borrowing applied in alternate years, suspended when SSB is below the biomass trigger value)

Progress Update & Workplan:

Full MSE completed by ICES. Coastal States of NEAFC must evaluate MSE results to select final elements of the management strategy.

Link to relevant policy document or update:

- [Workshop on Management Strategy Evaluation of Mackerel \(WKSEMAMAC\)](https://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/Fisheries%20Resources%20Steering%20Group/2020/WKMSEMAMAC_2020.pdf) (https://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/Fisheries%20Resources%20Steering%20Group/2020/WKMSEMAMAC_2020.pdf): Long-Term Management Strategy Evaluation – ICES (2020):
- [EU, Norway, and the Faroe Islands request on the long-term management strategies for Northeast Atlantic mackerel \(full feedback approach\)](https://ices-library.figshare.com/ndownloader/files/33490235) (<https://ices-library.figshare.com/ndownloader/files/33490235>): Long-Term Management Strategy Evaluation Summary Advice – ICES (2020)