Indian Ocean Albacore Tuna

Management Authority:

Indian Ocean Tuna Commission

Expected Adoption Year:

2024

Management Objectives:

Tuning Objectives (for MSE purposes):

- Pr(mean(SB(2019:2038)>=SB(MSY)) = 0.5. Average SB over the period 2030-2034 exceeds SB_{MSY} in exactly 50% of the simulations)
- Pr(Kobe green zone 2019:2038) = 0.5. The stock status is in the Kobe green quadrant over the period 2019-2038 exactly 50% of the time (averaged over all simulations)
- Pr(Kobe green zone 2019:2038) = 0.6. The stock status is in the Kobe green quadrant over the period 2019-2038 exactly 60% of the time (averaged over all simulations)
- Pr(Kobe green zone 2019:2038) = 0.7. The stock status is in the Kobe green quadrant over the period 2019-2038 exactly 70% of the time (averaged over all simulations)

Reference Points:

Interim Limit Reference Point: 40% B_{MSY} and 140% F_{MSY}
Interim Target Reference Point: B_{MSY} and F_{MSY}

Candidate Harvest Strategies:

Both model-based and empirical, CPUE-based harvest strategies are being tested via MSE. Harvest control rules are being tested with the following constraints:

- Total Allowable Catch (TAC) to be set every 3 years (and held constant between settings)
- A maximum of 15% change to the TAC (increase or decrease) relative to the previous TAC

Progress Update & Workplan:

Evaluation of candidate harvest strategies underway via MSE.

- **2022:** Refine and further develop MSE and candidate harvest strategies
- **2023 or 2024:** Adopt final harvest strategy

Link to relevant policy document or update:

- [Albacore Management Strategy Evaluation Update (https://www.iotc.org/documents/albacore-management-strategy-evaluation-update)](https://www.iotc.org/documents/albacore-management-strategy-evaluation-update): Updates to the MSE framework as of 2022
- [Resolution 15/10 on Target and Limit Reference Points and a Decision Framework (https://iotc.org/cmm/resolution-1510-target-and-limit-reference-points-and-decision-framework)](https://iotc.org/cmm/resolution-1510-target-and-limit-reference-points-and-decision-framework)