Commission for the Conservation of
Southern Bluefin Tuna

みなみまぐろ保存委員会

Provisional Agenda
Thirteenth Operating Model and Management Procedure Technical Meeting
Seattle, USA, 26 June to 1 July 2023

Terms of Reference

Prepare for this year's full stock assessment and discuss draft Scientific Research Plans developed by Members.

Provisional Agenda

1. Review of data inputs

1.1 Gene tagging

1.2 Close-kin: POPs and half-sibling indices

1.3 CPUE

From ESC27 proposal #3: Improving the robustness of SBT CPUE indices to changes in spatio-temporal concentration of fishing fleets. Evaluate progress from CPUE working group towards the objective: Ensure that index standardisation methods are fully in place that improve upon what is presently available (or at least retain status quo) and that provide consistently available data and information on stock trends at similar spatial coverage to those presently available.

1.4 Indonesian catches

1.5 Unaccounted sources of mortality

Background info: The reference set of OMs used for MP testing in 2019 was based on the test called UAM1(added UAM in conditioning: 1000 t of small fish + 1000 t of large fish, ramping up from 1990 to 2013 in addition to 20% increase in the surface fishery), consistent with the use of the "MP approach". The "direct approach" was used for TAC setting and 1402 t of non-member catch were deducted from the TACs for 2024-2026. The 2017 and 2020 assessments used best available estimates of UAM for LL1 catch and applied a 20% increase to the surface catch. The following values were added to the LL1 catch in the 2020 assessment, calculated by the GLM method using the Japanese catchability for targeted effort, from paper CCSBT-OMMP/2006/04.

Year	*UAM added to LL1*
2007	*244*
2008	*124*
2009	*418*
2010	*756*
2011	*333*
2012	*613*
2013	*668*
2014	*443*
2015	*950*
2016	*1173*
2017	*1402*
2018	*1402*
2019	*1402*

Paper CCSBT-ESC/2208/BGD04 tabled by New Zealand at ESC27 reported an increase in

Non-Member effort time series from the IOTC, WCPFC and ICCAT, which implies an increase in catch, towards the end of the series (2020). The ESC27 agreed that a simple update of the UAM catch estimates was required for the 2023 assessment.

2. **Review of conditioning model runs: diagnostics and likelihood weights**
   Evaluate the potential ability to conduct MCMC runs for elements of the grid.

3. **Discussion of projection results**

4. **Specification of reference set and sensitivity runs to be presented to the ESC**

5. **Discussion of SRP project "Operating model specification and software upgrade"**

6. **Workplan**

6.1 Preparation of stock assessment sensitivity runs.

6.2 Other items