



North Pacific Fisheries Commission

NPFC-2022-TWG CMSA06-MIP03 (Rev. 1)

**North Pacific Fisheries Commission**  
**6<sup>th</sup> Meeting of the Technical Working Group on Chub Mackerel Stock Assessment**  
**5-8 September 2022**  
**Webex**

**Annotated Indicative Schedule**

Date	Tokyo time	Activities	Document
5 Sep	9:00-11:00	<p>Agenda Item 1. Opening of the Meeting  <i>The TWG CMSA vice-Chair, Dr. Kazuhiro Oshima, will open the meeting. The Science Manager, Dr. Alex Zavolokin, will outline meeting arrangements.</i></p> <p>Agenda Item 2. Adoption of Agenda  <i>The provisional agenda will be reviewed, amended, as appropriate, and adopted.</i></p> <p>Agenda Item 3. Overview of the recommendations and outcomes of previous NPFC meetings relevant to chub mackerel</p> <p>3.1 5th TWG CMSA  <i>The vice-Chair will review the recommendations made at the 5th TWG CMSA meeting.</i></p> <p>3.2 Intersessional meetings of SWG OM.  <i>The SWG OM Lead, Dr. Shota Nishijima, will update the TWG CMSA on intersessional meetings of the SWG OM.</i>  <i>The Secretariat will give an update on the outcomes of the SWG MSE PS meetings.</i></p> <p>Agenda Item 4. Stock assessment model for chub mackerel</p> <p>4.1 Progress of the intersessional works  <i>The SWG OM Lead will report on the progress of intersessional activities and TWG CMSA will address outstanding issues.</i></p> <p>4.2 Data generation by PopSim as input to the candidate stock assessment models  <i>Invited expert will report on the data generation by PopSim as input to the candidate stock assessment</i></p>	<p>MIP02, 03.</p> <p>WP06, 07.</p>

		<i>models.</i>	
	11:00-11:15	Break	
	11:15-13:00	<p>4.3 Report on the performance of the candidate stock assessment models and options to rank them <i>Participants will review the documents on fitting results of the candidate stock assessment models (ASAP, VPA, SAM, BSSPM and KAFKA) to the pseudo data and performance measures.</i></p> <p>4.4 Ranking of the candidate stock assessment models <i>Participants will rank candidate stock assessment models to discuss the merits of each model over the other ones.</i></p> <p>4.5 Selection of the model for chub mackerel stock assessment <i>Participants will select the most preferred stock assessment model to be used for the chub mackerel stock assessment.</i></p> <p>4.6 Recommendations and timelines for future work <i>Participants will identify issues for future work.</i></p>	WP08, 12, 13.

Date	Tokyo time	Activities	Document
6 Sep	9:00-11:00	<p>Agenda Item 5. Development of data for the stock assessment of chub mackerel</p> <p>5.1 Research activities and review of biological parameters <i>Members will report on their research activities on chub mackerel and will be invited to provide updated and new information on biological parameters.</i></p> <p>5.2 Review of fishery (catch-at-age, weight-at-age, maturity-at-age, if possible) data based on a quarterly calendar <i>Members will give a presentation on its chub mackerel fishery including data such as catch-at-</i></p>	WP02, 03.

		<i>age, weight-at-age, maturity-at-age, if possible, based on a quarterly calendar.</i>	
	11:00-11:15	Break	
	11:15-13:00	<p>5.3 Update and improve the standardized abundance indices and other data for use in the stock assessment</p> <p><i>Participants will present on their standardized abundance indices and other data to be used in stock assessment.</i></p> <p>5.4 Recommendations for future work</p> <p><i>Participants will make recommendations for future work.</i></p>	WP09, 10, 11, 14.

Date	Tokyo time	Activities	Document
7 Sep	9:00-11:00	<p>Agenda Item 6. Future projection of chub mackerel</p> <p><i>Participants will discuss future projections of the chub mackerel stock.</i></p> <p>Agenda Item 7. Biological reference points</p> <p>7.1 Candidate biological reference points for chub mackerel</p> <p><i>Invited expert will present a list of candidate biological reference points for chub mackerel, using the consultancy report Review of Target and Limit Reference Points.</i></p>	WP05, Review of RPs.
	11:00-11:15	Break	
	11:15-13:00	<p>Agenda Item 8. Review of the Work Plan of the TWG CMSA</p> <p><i>Participants will review, revise and update the Work Plan of the TWG CMSA.</i></p> <p>Agenda Item 9. Other matters</p> <p>9.1 Timeline and intersessional activities before TWG CMSA07</p> <p><i>Participants will develop timeline and identify priorities for intersessional work before the next</i></p>	WP01.

		<p><i>TWG CMSA meeting.</i></p> <p>9.2 Observer Program</p> <p><i>Participants will discuss data needs and data gaps which can be fulfilled by a regional observer program for chub mackerel.</i></p> <p>9.2.1 Review data or data description on fisheries bycatch in the chub mackerel fisheries</p> <p><i>Participants will review the data or data description on fisheries bycatch in the chub mackerel fisheries.</i></p> <p>9.3 Selection of Chair and vice-Chair</p> <p><i>TWG CMSA will select a new Chair and vice-Chair.</i></p> <p>9.4 Other issues</p> <p><i>Participants will discuss other matters if any.</i></p>	WP04.
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Date	Tokyo time	Activities	Document
8 Sep	9:00-11:00	<p>Agenda Item 10. Recommendations to the Scientific Committee</p> <p><i>The TWG CMSA will make recommendations to the Scientific Committee.</i></p>	
	11:00-11:15	Break	
	11:15-13:00	<p>Agenda Item 11. Adoption of Report</p> <p><i>The report of the meeting will be adopted by consensus.</i></p> <p>Agenda Item 12. Close of the Meeting</p> <p><i>The vice-Chair will make concluding remarks and close the meeting.</i></p>	