



North Pacific Fisheries Commission

NPFC-2021-TWG CMSA04-MIP03 (Rev. 1)

North Pacific Fisheries Commission
4th Meeting of the Technical Working Group on Chub Mackerel Stock Assessment
22-25 June 2021
WebEx

Annotated Indicative Schedule

Date	Tokyo time	Activities	Document
22 Jun	8:40-9:00	Roll call	
	9:00-11:00	<p>Agenda Item 1. Opening of the Meeting <i>The TWG CMSA Chair, Dr. Vladimir Kulik, 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> <ul style="list-style-type: none">3.1 3rd TWG CMSA and 5th SC meetings3.2 6th Commission meeting3.3 Intersessional meetings of SWG OM <p><i>The Chair will review the recommendations made at the 3rd TWG CMSA and 5th SC meetings. The Science Manager, Dr. Alex Zavolokin, will brief participants on the outcomes of the COM06 meeting relevant to chub mackerel. The SWG OM Lead, Dr. Shota Nishijima, will update the TWG CMSA on intersessional meetings of the SWG OM.</i></p> <p>Agenda Item 4. Toward development of Management Strategy Evaluation (MSE)</p> <ul style="list-style-type: none">4.1 Update on intersessional work towards MSE4.2 Recommendations and timelines for future work <p><i>The COM06 meeting tasked the SC to focus on Pacific</i></p>	<p>See the reports on the website: TWG CMSA03 SC05 COM06</p>

		<i>saury when initiating an MSE process in lieu of the original planned focus on chub mackerel. Participants will review the work plan and timelines for future work for the development of MSE for chub mackerel.</i>	
	11:00-11:15	Break	
	11:15-13:00	<p>Agenda Item 5. Review of Terms of Reference and Protocols of the TWG CMSA</p> <p>5.1 Terms of Reference</p> <p>5.2 CPUE Standardization Protocol</p> <p>5.3 Stock Assessment Protocol</p> <p>5.4 Protocol for the Operating Model Development</p> <p><i>Participants will review TWG CMSA Terms of Reference and Protocols for CPUE Standardization, Stock Assessment and Operating Model Development and revise them, if necessary.</i></p> <p>Agenda Item 6. Member's fisheries information and research activities</p> <p>6.1 Description of fisheries, inter alia, fishing seasons and fishing grounds</p> <p>6.2 Research activities</p> <p><i>Each Member will make a presentation on its chub mackerel fishery including information on fishing seasons, fishing grounds and monthly catches*.</i></p> <p><i>Members will report on their research activities on chub mackerel, if any.</i></p> <p><i>* Meeting document is expected to be submitted one month before the meeting.</i></p>	<p>See the TOR and protocols on the website (/Science)</p> <p>WP02, 10, 15.</p>

Date	Tokyo time	Activities	Document
23 Jun	9:00-11:00	<p>Agenda Item 7. Development of the operating model for the stock assessment of chub mackerel</p> <p>7.1 Review of key considerations and specifications from the TWG CMSA03 meeting <i>Participants will review the key considerations and specifications made at the TWG CMSA03 meeting and earlier, e.g. type, temporal and spatial scale, structure, assumptions and performance measures of operating model.</i></p> <p>7.2 Review of updated stock assessment results (VPA, ASAP, KAFKA, SAM) <i>One month before the meeting, Members are requested to submit a working paper on updated stock assessment conducted with VPA, ASAP, KAFKA and SAM models in order to estimate parameters for operating model.</i> <i>Participants will present, compare and review the stock assessment results.</i></p> <p>7.3 Review of assumptions and parameters from the stock assessment models <i>Participants will review a table of assumptions and parameters used in the stock assessment models.</i></p>	<p>WP05.</p> <p>WP01, 08, 09.</p>
	11:00-11:15	Break	
	11:15-13:00	<p>7.4 Review of major sources of uncertainty to be included in the operating model <i>Participants will review the major sources of uncertainty to be included in the operating model.</i></p> <p>7.5 Review of scenarios for the operating model <i>Participants will review scenarios for operating model.</i></p> <p>7.6 Review of the rules for prioritization of the performance measures <i>Participants will review the rules for prioritization of the performance measures suggested by external expert.</i></p>	<p>WP14.</p>

		<p>7.7 Technical aspects of using POPSIM-A as an operating model for testing chub mackerel stock assessment models</p> <p><i>Participants will discuss technical aspects of using POPSIM-A as an operating model for testing chub mackerel stock assessment models including assignments for members and external expert.</i></p> <p>7.8 Finalization of specification of the operating model for testing chub mackerel stock assessment models</p> <p><i>Participants will finalize specification of the operating model for testing chub mackerel stock assessment models.</i></p> <p>7.9 Recommendations and timelines for future work</p> <p><i>Participants will make recommendations for future work and set timelines for testing stock assessment models using POPSIM-A.</i></p>	POPSIM-A
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Date	Tokyo time	Activities	Document
24 Jun	9:00-11:00	<p>Agenda Item 8. Development of data for the stock assessment of chub mackerel</p> <p>8.1 Data inventory (catch, size, abundance indices, etc.) and updates <i>Participants will update the table on potentially available data for stock assessment of chub mackerel.</i></p> <p>8.2 Standardized fishery-dependent/independent indices <i>One month before the meeting, Members are requested to submit working papers on standardized fishery-dependent and fishery-independent indices. Participants will review and evaluate available indices and agree on the indices to be used for stock assessment.</i></p> <p>8.3 Biological information <i>Participants will review biological information, such as age-length keys and weight-length relationship shared intersessionally.</i></p> <p>8.4 Observer Program <i>The Secretariat was tasked to compile members' views regarding the necessity/objective of such a program and potential issues. Participants will discuss data needs and data gaps which can be fulfilled by the NPFC Observer Program for chub mackerel.</i></p> <p>8.5 Recommendations for future work <i>Participants will make recommendations for future work and set timelines.</i></p>	<p>WP11, 16. Data availability table.</p> <p>WP03, 04, 06, 17.</p> <p>WP07.</p> <p>WP13.</p>
	11:00-11:15	Break	
	11:15-13:00	<p>Agenda Item 9. Review of the Work Plan of the TWG CMSA <i>Participants will review, revise and update the Work Plan of the TWG CMSA up to 2025.</i></p>	WP12.

Date	Tokyo time	Activities	Document
25 Jun	9:00-11:00	<p>Agenda Item 10. Other matters</p> <p>10.1 Next TWG CMSA meeting <i>Participants will suggest time and place of next TWG CMSA meeting.</i></p> <p>10.2 Other matters <i>The participants will discuss other matters raised under Agenda Item 2.</i></p> <p>Agenda Item 11. Recommendations to the Scientific Committee <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 12. Adoption of Report <i>The report of the meeting will be adopted by consensus.</i></p> <p>Agenda Item 13. Close of the Meeting <i>The Chair will make concluding remarks and close the meeting.</i></p>	