



North Pacific Fisheries Commission

NPFC-2020-TWG CMSA03-MIP03 (Rev. 2)

North Pacific Fisheries Commission
3rd Meeting of the Technical Working Group on Chub Mackerel Stock Assessment
11-14 November 2020
WebEx

Annotated Indicative Schedule

Date	Tokyo time	Activities	Document
11 Nov	8:30-9:00	Roll call	
	9:00-11:00	<p>Agenda Item 1. Opening of the Meeting <i>The TWG CMSA Chair, Dr. Oleg Katugin, will open the meeting.</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 2nd TWG CMSA and 4th SC meeting3.2 5th Commission meeting and CMM 2019-073.3 Intersessional meeting of TWG CMSA <p><i>The Chair and Secretariat will review the recommendations made at the 2nd TWG CMSA meeting and brief participants on the outcomes of previous NPFC meetings relevant to chub mackerel.</i></p> <p>Agenda Item 4. Toward development of Management Strategy Evaluation (MSE) <i>In accordance with the recommendation from the Scientific Committee (SC) adopted by the Commission to conduct MSE for chub mackerel as the first priority, the TWG CMSA shall initiate discussions on the development of MSE.</i></p> <ul style="list-style-type: none">4.1 Update on intersessional work towards MSE <i>Participants will review a working paper on MSE for chub mackerel using open-source tools drafted</i>	<p>MIP02 and 03.</p> <p>WP11.</p>

		<p><i>by Dr. Tom Carruthers in cooperation with Members.</i></p> <p>4.2 Recommendations and timelines for future work</p> <p><i>Participants will make recommendations and set timelines for future work for the development of MSE.</i></p>	
	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. Review of Member's fisheries and research activities</p> <p><i>Each Member will make a presentation on its chub mackerel fisheries operated in the NPFC Convention Area and adjacent EEZs including recent information from 2020. Members will report on their research activities on chub mackerel, if any.</i></p>	WP12.

Date	Tokyo time	Activities	Document
12 Nov	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 CMSA02 meeting <i>Participants will review the key considerations and specifications made at the TWG CMSA02 meeting, e.g. type, temporal and spatial scale, structure, assumptions and performance measures of operating model.</i></p> <p>7.2 Review of availability and quality of data shared by the Members <i>Participants will review availability and quality of data shared by Members intersessionally.</i></p> <p>7.3 Review of stock assessment results (VPA, ASAP, KAFKA, SAM) <i>One month before the meeting, Members are requested to submit working papers on 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>7.4 Assumptions and parameters from the stock assessment models <i>Participants will prepare a table of assumptions and parameters used in the stock assessment models.</i></p>	<p>WP04, 06, 07, 08.</p> <p>WP05, 09, 10.</p>
	11:00-11:15	Break	
	11:15-13:00	<p>7.5 Major sources of uncertainty to be included in the operating model <i>Participants will identify the major sources of uncertainty to be included in the operating model.</i></p> <p>7.6 Determination of scenarios for the operating model <i>Participants will determine scenarios for operating</i></p>	

		<p><i>model.</i></p> <p>7.7 POPSIM-A as an operating model for testing chub mackerel stock assessment models (final report)</p> <p><i>Participants will review the final report on POPSIM-A as an operating model for testing chub mackerel stock assessment models drafted by Dr. Larry Jacobson.</i></p> <p>7.8 Recommendations and timelines for future work</p> <p><i>Participants will make recommendations on further development of the operating model, including tasks for an external expert, and set timeline for future work.</i></p>	<p>PopSim-A report.</p>
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Date	Tokyo time	Activities	Document
13 Nov	9:00-11:00	<p>Agenda Item 8. Review of fishery-dependent and fishery-independent data</p> <p>8.1 Update on data availability <i>Participants will update the table on potentially available data for stock assessment of chub mackerel.</i></p> <p>8.2 Data collection templates <i>Participants will discuss data collection templates for chub mackerel and how to fill data gaps.</i></p> <p>8.3 Observer Program <i>Participants will discuss data needs and data gaps which can be fulfilled by the NPFC Observer Program for chub mackerel.</i></p> <p>Agenda Item 9. Review and evaluation of fishery-independent and fishery-dependent indices</p> <p>9.1 Fishery-independent indices <i>Participants will review and evaluate fishery-independent indices and agree on the indices to be used for stock assessment.</i></p> <p>9.2 Fishery-dependent indices <i>Participants will review and evaluate fishery-dependent indices and agree on the indices to be used for stock assessment.</i></p> <p>9.3 Recommendations for future work <i>Participants will make recommendations for future work.</i></p>	<p>WP02.</p> <p>WP03. CMSA01-WP02</p>
	11:00-11:15	Break	
	11:15-13:00	<p>Agenda Item 10. Review of the Work Plan of the TWG CMSA</p> <p><i>Participants will review and revise the Work Plan of the TWG CMSA. Participant will draft a five-year rolling work plan (i.e. 2020-2024) for submission to the SC05 meeting in accordance with the SC decision to develop five-year rolling research and work plans from 2020 onwards.</i></p>	WP01.

Date	Tokyo time	Activities	Document
14 Nov	9:00-11:00	<p>Agenda Item 11. Other matters</p> <p>11.1 European Union's application <i>The TWG CMSA will review the application of the European Union for the development of its chub mackerel fishery in the NPFC Convention Area and provide recommendations to the SC.</i></p> <p>11.2 Next TWG CMSA meeting <i>Participants will suggest time and place of next TWG CMSA meeting(s).</i></p> <p>11.3 Other matters <i>The participants will discuss other matters raised under Agenda Item 2.</i></p> <p>Agenda Item 12. Recommendations to the Scientific Committee <i>The TWG CMSA will make recommendations to the Scientific Committee.</i></p>	NPFC Circular 006.
	11:00-11:15	Break	
	11:15-13:00	<p>Agenda Item 13. Adoption of Report <i>The report of the meeting will be adopted by consensus.</i></p> <p>Agenda Item 14. Close of the Meeting <i>The Chair will make concluding remarks and close the meeting.</i></p>	