

EB Theme session schedule of papers and presentations

EB theme session 1 – Thursday, 9 August - 1330 – 1500

6.2 SHARKS

6.2.1 Development of a Comprehensive Shark and Ray CMM

WCPFC14 established an IWG-Sharks to progress the development of a Draft Comprehensive Shark and Ray CMM based on terms of reference (Attachment Q, WCPFC14 Summary Report). SC14 will review the draft measure developed by the IWG-Sharks and provide recommendations to the Commission.

EB-WP-05	Anon. Development of a Comprehensive Shark and Ray CMM
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6.2.4 Progress of Shark Research Plan

SC14 will review the progress of the Shark Research Plan and update the information as needed, including progress and results related to the following researches, and provide recommendations, as appropriate, to the Commission.

- a. Operational Planning for Shark Biological Data Improvement (SRP Project Sheet Number 5, Attachment I, SC13 Summary Report);
- b. Project 78 (Review of shark data and modelling framework to support stock assessments); and
- c. WCPFC shark post-release mortality tagging studies

EB-WP-04	Progress on the WCPFC stock assessments and shark research plan (summary table)
EB-WP-02	Rice J. Review of shark data and modelling framework to support stock assessments (Project 78 final report)

INFORMATION PAPERS

EB-IP-02	An update on short fin mako and silky shark post-release mortality experiments
EB-IP-11	T. Park, S. Fukofuka, L. Bell, and N. Smith. An update on development of observer training materials and training to support the designation of manta and mobulids as WCPFC key species

6.2.3 Safe release guidelines

The Commission has adopted [Guidelines for the Safe Release of Encircled Whale Sharks](#) and *Best Handling Practices for the Safe Release of Manta and Mobulids*.

SC14 will develop guidelines for safe release of rays and sharks, taking into account existing standards or guidelines adopted on other fora. WCPFC14 agreed that priority should be given to the development of *Guidelines for Safe Release of Silky Shark and Oceanic Whitetip Sharks* (Paragraph 331, WCPFC14 Summary Report).

EB-WP-12	ABNJ Tuna Project: Workshop on WCPFC Bycatch Mitigation Problem-Solving
EB-IP-03	Clarke S. Draft safe release guidelines for sharks and rays

EB theme session 2 – Thursday, 9 August - 1530 – 1730

6.3 SEABIRDS – mitigation methods

6.3.1 Review of seabird researches

SC14 will review the progress of Project 68 (*Estimation of seabird mortality across the WCPO Convention Area*) and provide comments/recommendations as needed.

SC14 may review a report on the Workshop on WCPFC Bycatch Mitigation Problem-solving, 28-30 May 2018 in Nouméa, New Caledonia (Commission Circular No.: 2018/19, see also 6.4 below).

6.3.2 Review of CMM 2017-03

SC14 will review the available research on hook shielding devices and advise WCPFC15 if they are effective options for seabird bycatch mitigation in WCPFC fisheries and whether to incorporate them in the seabird CMM as additional mitigation options (Paragraph 347, WCPFC14 Summary Report).

EB-WP-13	ACAP advice for reducing the impact of pelagic longline fishing operations on seabirds
EB-WP-10	Debski I, et al, Hook-shielding devices to mitigate seabird bycatch: review of effectiveness

INFORMATION PAPERS

EB-IP-13	Katsumata N. et al. Trials of extension of horizontal aerial extent of tori-line for the Japanese small longliners operating in the Northwest Pacific Ocean
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EB theme session 3 – Monday, 13 August - 1530 – 1730

6.4 SEABIRDS – risk assessment

6.3.2 Review of CMM 2017-03

According to Paragraphs 5 and 6 of the CMM 2017-03, SC14 will review any information derived from CCM’s seabird mitigation research submitted to the Secretariat. Where necessary, an updated suite of mitigation measures, specifications for mitigation measures, or recommendations for areas of application will then be provided to the Commission for its consideration and review as appropriate.

PRESENTATIONS

EB-WP-03	A short note on the development of WCPFC seabird bycatch estimates for Project 68 – can be held over to Session 3
EB-WP-09	Ochi D. et al. Preliminary assessment of the risk to albatrosses from longline fishing
EB-WP-11	Debski I. et al. Update on bycatch risks to seabirds in the Western Pacific
EB-WP-15	Wolfaardt et. al. The development of ACAP seabird bycatch indicators, data needs, methodological approaches and reporting requirements
EB-WP-14	ACAP The conservation status and priorities for albatrosses and large petrels distributed in the WCPFC area

INFORMATION PAPERS

EB-IP-05	Abraham E et al. Update on the seabird component of the Common Oceans Tuna Project – Seabird Bycatch Assessment Workshop
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EB theme session 4 – TUESDAY, 14 August - 1530 – 1730

6.1 FADs AND SEAPODYM, 6.4 SEA TURTLES, 6.6 OTHER ISSUES

6.1 FADs

6.1.3.1 Research on non-entangling FADs

SC14 will review any non-entangling and biodegradable material on FADs, and provide specific recommendations to the Commission (Paragraph 19-22, CMM 2017-01), specifically focusing on Paragraph 21 of the CMM:

EB-IP-01	Evaluation of FAD construction materials in the WCPO
EB-WP-16	Draft FAD MO IWG3 Guidelines for Biodegradable and Non-Entangling FADs V2

INFORMATION PAPERS

EB-IP-07	FAO. 2018. Stakeholder Views on Methods to Identify Ownership and Track the Position of Drifting Fish Aggregating Devices Used by Tuna Purse Seine Fisheries with Reference to FAO's Draft Guidelines on the Marking of Fishing Gear. FAO Fisheries Circular 1163. Food and Agriculture Organization of the United Nations, Rome.
SC13 Summary Report	Attachment E-Report of the ISG-02 FAD data fields and FAD Research Plan

6.5 SEA TURTLES

6.1.1 Review of sea turtle researches

SC14 may review a report on the Workshop on WCPFC Bycatch Mitigation Problem-solving, 28-30 May 2018 in Nouméa, New Caledonia (Commission Circular No.: 2018/19, see also 6.3 above).

6.1.2 Review of CMM 2008-03

SC14 notes Paragraph 362 of the WCPFC14 Summary Report and will take an appropriate action:

362. The Commission tasks SC14 and TCC14 to evaluate the expected effects of several potential sea turtle management scenarios, including, but not limited to, ones in which vessels in all longline fisheries in the Convention Area are required to: (1) use either large circle hooks or whole finfish for bait; (2) use large circle hooks and whole finfish for bait; or (3) use any other combination of mitigation methods identified by the SC as being potentially effective. The SC may consider a range of specifications for large circle hooks. SC's evaluation should focus on expected effects on sea turtle interactions and mortalities and on target and bycatch species catch rates. TCC's evaluation should focus on implementation and compliance implications, as well as SIDS implementation considerations. Based on the evaluations, SC14 and TCC14 will provide any appropriate advice or recommendations to WCPFC15 with respect to improving CMM 2008-03.

SC14 will review scientific aspects of the CMM 2008-03 (Conservation and management of sea turtles), and any other information related to additional or new mitigation measures for sea turtles.

EB-WP-06	Bigelow, K. and Y. Swimmer. Comparison of catch rates for target and non-target species by circle hook size captured in the Hawaii and American Samoa tuna longline fisheries
EB-WP-08	Okamoto K. et al. Review of studies on catch rates of commercial and bycatch species by hook type using in pelagic tuna longline fisheries

INFORMATION PAPERS

EB-IP-06	Swimmer Y. and C. Barceló. Blue shark and swordfish catch rates in Hawaii's shallow-set longline fishery: Comparisons before and after regulations to reduce sea turtle bycatch.
EB-IP-08	Gilman, E., Chaloupka, M., Musyl, M. 2018. Effects of pelagic longline hook size on species- and size-selectivity and survival. <i>Reviews in Fish Biology and Fisheries</i> 28: 417-433.
EB-IP-09	Gilman, E., Suuronen, P., Chaloupka, M. 2017. Discards by global tuna fisheries. <i>Marine Ecology Progress Series</i> 582: 231-252.

6.1 ECOSYSTEM EFFECTS OF FISHING

6.1.1 SEAPODYM

SC14 will consider updates to the SEAPODYM modelling framework (Project 62), review recent model runs and provide comments and/or recommendations on SEAPODYM, including the process and methodology of the modelling framework if needed.

EB-WP-01	Projecting impact of climate change on tuna under RPPC8.5 (Project 62)
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6.6 BYCATCH MANAGEMENT

SC14 will review any update on Bycatch Management Information System (BMIS), if available, including any feedback on the new site at www.wcpfc.int/bycatch-management or www.bmis-bycatch.org and any future developments for BMIS (including the incorporation of [Bycatch Data Exchange Protocol \(BDEP\)](#) within the BMIS).

INFORMATION PAPERS

EB-IP-10	Ongoing development of the Bycatch Management Information System (BMIS) and future work including integrating regional bycatch data summaries
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