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## **DRAFT AGENDA FOR THE SEVENTH WORKING PARTY ON ECOSYSTEMS AND BYCATCH**

**15 September 2011**

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**Date:** 24–27 October 2011

**Location:** Paradise Island Resort, Lankanfinolhu,  
North Malé Atoll, Maldives

**Time:** 09:00 – 17:00 daily

- 1. OPENING OF THE MEETING** (Chair)
- 2. ADOPTION OF THE AGENDA** (Chair)
  - IOTC-2011-WPEB07-01a: Draft agenda for the Seventh Working Party on Ecosystems and Bycatch
  - IOTC-2011-WPEB07-01b: Draft annotated agenda for the Seventh Working Party on Ecosystems and Bycatch
  - IOTC-2011-WPEB07-02: Draft list of documents
- 3. OUTCOMES OF THE THIRTEENTH SESSION OF THE SCIENTIFIC COMMITTEE** (SC Chair)
  - IOTC-2011-WPEB07-03: Outcomes of the Thirteenth Session of the Scientific Committee
- 4. OUTCOMES OF THE FIFTEENTH SESSION OF THE COMMISSION**
  - IOTC-2011-WPEB07-04: Outcomes of the Fifteenth Session of the Commission (Secretariat)
- 5. UPDATE ON THE KOBE PROCESS**
  - IOTC-2011-WPEB07-05: Report of the First Bycatch Joint Tuna Technical Working Group (Chair)
  - IOTC-2011-WPEB07-06: Recommendations arising from the KOBE III meeting (Secretariat)
- 6. PROGRESS ON THE RECOMMENDATIONS OF WPEB06**
  - IOTC-2011-WPEB07-07: Progress made on the recommendations of WPEB06 (Secretariat and Chair)
- 7. REVIEW OF DATA AVAILABLE ON ECOSYSTEMS AND BYCATCH**
  - 7.1 Review of the statistical data available for ecosystems and bycatch species
    - IOTC-2011-WPEB07-08: Review of the statistical data available for the bycatch species (M. Herrera and L. Pierre — Secretariat)
  - 7.2 Data from other sources (papers from CPCs)
    - IOTC-2011-WPEB07-09: Update on the Regional Observer Scheme (Secretariat)
  - 7.3 Develop recommendations to the Scientific Committee.
- 8. NEW INFORMATION ON BIOLOGY, ECOLOGY, FISHERIES AND ENVIRONMENTAL DATA RELATING TO ECOSYSTEMS AND BYCATCH SPECIES**
  - 8.1 Review new information on the biology, stock structure, their fisheries and associated environmental data (CPC papers).
    - IOTC-2011-WPEB07-10: Outcomes of the Circle Hook Symposium 4–6 May 2011, Miami, USA (Secretariat)
    - IOTC-2011-WPEB07-11: Status of the development of identification cards for sharks, seabirds and marine turtles (Secretariat)
    - IOTC-2011-WPEB07-12: Status of development and implementation of National Plans for Action for Seabirds and Sharks (Secretariat)
    - IOTC-2011-WPEB07-17: Outline of climate and oceanographic conditions in the Indian Ocean: an update to August 2011 (F. Marsac)
    - IOTC-2011-WPEB07-18: A simple, relatively inexpensive method of ocean' surface layer temperature profiling (E. Romanov, J-F. Ternon, E. Richard, P. Bach, A. Le Turc, J-P Lamoureux)
    - IOTC-2011-WPEB07-19: Bycatch in tuna longline fishery in the Indian EEZ around Andaman and Nicobar (A. Bhushan Kar)

- IOTC–2011–WPEB07–20: Analysis of by-catch data of longliners calling at Port Louis, Mauritius (A. Sheik Mamode)
- IOTC–2011–WPEB07–21: Bycatch of tuna fishing vessels – Pakistan (S. Hussain)
- IOTC–2011–WPEB07–22: Bycatch report of I.R. IRAN (R. Shahifan)
- IOTC–2011–WPEB07–23: Report for 2010 on exhaustive data collected by observers on board largest pelagic longliners based in La Reunion (P. Bach, E. Romanov, N. Rabearisoa, S. Akbaraly and A. Sharp)

## 9. SHARKS AND RAYS

- 9.1 Review of new information on the status of sharks
- IOTC–2011–WPEB07–24: Sharks caught as by catch in Mozambican waters (B. Palha de Sousa)
  - IOTC–2011–WPEB07–25: An overview of approaches used to assess the status of shark populations: experiences from the USA and ICCAT in the Atlantic Ocean (E. Cortes)
  - IOTC–2011–WPEB07–26: Sharks caught as bycatch by national fleet motorized vessels in Madagascar’s waters (D.M. Rahombanjanahary)
  - IOTC–2011–WPEB07–27: The Maldivian oceanic shark longline fishery (R.C. Anderson)
  - IOTC–2011–WPEB07–28: Survival of sharks caught by purse seine (F. Poisson, J.D. Filmalter, A.L. Vernet and L. Dagorn)
  - IOTC–2011–WPEB07–29: Areas with high bycatch of silky sharks in the tuna purse seine fishery (J. Amande, H. Murua, K. N'Da, N. Bez and L. Dagorn)
- 9.2 Review of any National Plans of Action relating to reduction of shark bycatch in tuna fisheries
- 9.3 Research programmes on sharks
- IOTC–2011–WPEB07–30: Preliminary observations on the by-catch of elasmobranchs caught by the Portuguese longline fishery in the Indian Ocean: biology, ecology and fisheries (R. Coelho, P.G. Lino and M.N. Santos)
  - IOTC–2011–WPEB07–31: At-haulback mortality of elasmobranchs caught on the Portuguese longline swordfish fishery in the Indian Ocean (R. Coelho, P.G. Lino and M.N. Santos)
- 9.4 Improvement on shark identification
- 9.5 Stock indicators / ERA on sharks
- IOTC–2011–WPEB07–32: Spatial and temporal patterns in blue shark (*Prionace glauca*) CPUE in South African longline fisheries (K. Jolly, C.A. Attwood, A. Jarre, C. da Silva)
  - IOTC–2011–WPEB07–33: The CPUE trend of blue shark (*Prionace glauca*) caught by Japanese longline fishery in the Indian Ocean (Y. Hiraoka and K. Yokawa)
  - IOTC–2011–WPEB07–34: The CPUE trend of shortfin mako (*Isurus oxyrinchus*) caught by Japanese longline fishery in the Indian Ocean (Y. Semba and K. Yokawa)
  - IOTC–2011–WPEB07–35: The CPUE trend of oceanic whitetip shark (*Carcharhinus longimanus*) caught by Japanese longline fishery in the Indian Ocean (Y. Kotaro and Y. Semba)
  - IOTC–2011–WPEB07–36: Standardized CPUE of major shark species caught by the Portuguese longline fishery in the Indian Ocean (R. Coelho, P.G. Lino and M.N. Santos)
- 9.6 Shark fin to body weight ratio
- IOTC–2011–WPEB07–37: Observations on the ratio between fin and body weights for the blue shark caught by the Portuguese longline fleet in the Indian Ocean (M.N. Santos, R. Coelho, J. Fernandez-Carvalho and P.G. Lino)
- 9.7 Shark bycatch mitigation
- Effect of terminal gear on shark by-catch: leaders (wire vs. monofilament), hooks (circle vs. tuna vs. J-hooks). Review of regional research results and/or open discussion / results from other oceans.
  - Best practices of shark handling / live release: circle hooks, wire leaders, live release. Shark post-release mortality in the PS and LL fisheries.
- 9.8 Review of Resolutions and Recommendations on sharks:
- Resolution 05/05 *Concerning the conservation of sharks caught in association with fisheries managed by IOTC*
  - Resolution 10/12 *On the Conservation of Thresher Sharks (Family Alopiidae) caught in Association with Fisheries in the IOTC Agreement Area.*
  - IOTC–2011–WPEB07–13: Review of current Conservation and Management Measures relating to ecosystems and bycatch (Secretariat and Chair)
- 9.9 Develop recommendations to the Scientific Committee
- 9.10 Update of shark species Executive Summaries (Chair).
- IOTC–2011–WPEB07–14: Executive Summary for shark species (Chair)

## 10. SEABIRDS

- 10.1 Review of new information on the status of seabirds

- IOTC–2011–WPEB07–38: Distributional information/risk assessments for a few selected species of albatrosses and petrels that breed in the Indian Ocean (K. Delord and H. Weimerskirch)
- 10.2 Review of any new National Plans of Action for reducing incidental catches of seabirds in longline fisheries
  - IOTC–2011–WPEB07–39: France’s National Action Plan for the Amsterdam albatross (H. Weimerskirch)
- 10.3 Research on interaction between seabirds and tuna fisheries in the Indian Ocean
  - IOTC–2011–WPEB07–40: Results of analysis on the seabird bycatch collected by Japanese observers in the Southern Indian Ocean (Y. Inoue, D. Ochi, H. Minami and K. Yokawa)
  - IOTC–2011–WPEB07–41: Modelling work on Crozet wandering albatrosses and impact of longline fisheries in the IOTC zone (G. Tuck, R. Thompson, C. Barbraud, K. Delord, M. Louzao and H. Weimerskirch)
  - IOTC–2011–WPEB07–42: Observer Programmes in RFMOs: a perspective from the BirdLife International Global Seabird Programme (R. Wanless and C. Small)
  - IOTC–2011–WPEB07–43: A review of pelagic longline mitigation measures to minimise seabird bycatch (B. Baker)
  - IOTC–2011–WPEB07–44: Best practice advice on seabird bycatch mitigation measures (B. Baker)
- 10.4 Identification sheets for observers
- 10.5 Review of Resolutions and Recommendations on seabirds:
  - Recommendation 05/09 *On incidental mortality of seabirds*
  - Resolution 10/06 *On Reducing the Incidental Bycatch of Seabirds in Longline Fisheries.*
- IOTC–2011–WPEB07–13: Review of current Conservation and Management Measures relating to ecosystems and bycatch (Secretariat and Chair)
- 10.6 Develop recommendations to the Scientific Committee
- 10.7 Update of seabird Executive Summary (Chair).
  - IOTC–2011–WPEB07–15: Executive Summary for marine turtle species (Chair)

## 11. MARINE TURTLES

- 11.1 Review of new information on the status of marine turtles
- 11.2 Research on effect of marine turtles mitigating measures
- 11.3 Review of any national management plans/strategies for the reduction of marine turtle bycatch in tuna fisheries
- 11.4 Research on interaction between turtles and tuna fisheries in the Indian Ocean
- 11.5 To develop recommendation on appropriate mitigation measures
- 11.6 To develop guidelines for appropriate handling and release
- 11.7 To develop regional standards for data collection, exchange and training
- 11.8 To produce a marine turtle Identification Guide
- 11.9 Review of Resolutions and Recommendations on turtles:
  - Recommendation 05/08 *On sea turtles*
  - Resolution 09/06 *On marine turtles*
- IOTC–2011–WPEB07–13: Review of current Conservation and Management Measures relating to ecosystems and bycatch (Secretariat and Chair)
- 11.10 Develop recommendations to the Scientific Committee
- 11.11 Update of marine turtle Executive Summary (Chair).
  - IOTC–2011–WPEB07–16: Executive Summary for seabird species (Chair)

## 12. MARINE MAMMALS

- 12.1 Research programmes on marine mammals
- 12.2 Develop recommendations to the Scientific Committee.

## 13. OTHER BYCATCH AND BYPRODUCT SPECIES

- 13.1 Research programmes on other species
  - IOTC–2011–WPEB07–47: Species composition of fish assemblage based on observer data in the southwestern Indian Ocean (J. Zhu, X. Dai and L. Xu)
  - IOTC–2011–WPEB07–48: Update of Bycatch from Tuna Longline Fishing Operation by SEAFDEC Research Vessels, year 2005–2010 (I. Chanrachkij, S. Promjinda and S. Siriraksophon)
- 13.2 Develop recommendations to the Scientific Committee.

## 14. DEPREDDATION

- 14.1 Review of available data and new information on depredation
  - IOTC–2011–WPEB07–45: Mitigating whale by-catch and depredation in pelagic longline fisheries using physical deterrence at the hook (D.J. Hamer, S.J. Childerhouse, S.G. Candy and N.J. Gales)
  - IOTC–2011–WPEB07–46: Odontocete bycatch and depredation in longline fisheries: a review of available literature and of potential solutions (D.J. Hamer, S.J. Childerhouse and N.J. Gales)
- 14.2 Requirement for improvement of the data on depredation

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- 14.3 Possible consequences of depredation on stock assessment
  - 14.4 Review of Resolutions and Recommendations on depredation:
    - Resolution 00/02 *On A Survey Of Predation Of Longline Caught Fish*
  - 14.5 Develop recommendations to the Scientific Committee.

## 15. ECOSYSTEM APPROACHES

- 15.1 Ecological Risk Assessment (ERA) for bycatch monitoring, analysis and management, in an RFMO context
  - IOTC-2011-WPEB07-49: PROSPER Project: first year of operations. Preliminary results of ecosystem and bycatch studies in the waters of Reunion and Tromelin Islands (E. Romanov, P. Bach and E. Richard)
  - IOTC-2011-WPEB07-50: Ecological Risk Assessment (ERA) for species caught in fisheries managed by the Indian Ocean Tuna Commission: an update (H. Murua)
  - IOTC-2011-WPEB07-51: Species composition and richness of the pelagic ecosystem based on EU PS observer data in the Southwestern Indian Ocean (N. Lezama)
  - IOTC-2011-WPEB07-52: An update of the EU MADE Project (L. Dagorn)
- 15.2 Ecological interactions
- 15.3 Develop recommendations to the Scientific Committee.

## 16. RESEARCH RECOMMENDATIONS AND PRIORITIES

- 16.1 Develop a draft work plan.

## 17. OTHER BUSINESS

- 17.1 Development of priorities for an Invited Expert/s at the next Working Party on Ecosystems and Bycatch meeting
- 17.2 Date and place of the Eighth Session of the Working Party on Ecosystems and Bycatch
- 17.3 Election of a Chairperson and Vice-Chairperson for the next biennium
- 17.4 Review of the draft, and adoption of the Report of the Seventh Session of the Working Party on Ecosystems and Bycatch.