



DRAFT: ANNOTATED AGENDA FOR THE 13TH WORKING PARTY ON ECOSYSTEMS AND BYCATCH

Updated: 14 August 2017

Date: 4 - 8 September 2017

Location: San Sebastián, Spain

Venue: tbc

Time: 09:00 – 17:00 daily

Chair: Dr Rui Coelho (EU,Portugal); **Vice-Chair:** Dr Reza Shahifar (I.R. Iran) & Dr Ross Wanless (South Africa)

1. **OPENING OF THE MEETING** (Chairperson)
2. **ADOPTION OF THE AGENDA AND ARRANGEMENTS FOR THE SESSION** (Chairperson)
 - IOTC-2017-WPEB13-01a: Draft: Agenda for the 13th Working Party on Ecosystems and Bycatch
 - IOTC-2017-WPEB13-01b: Draft: Annotated agenda for the 13th Working Party on Ecosystems and Bycatch
 - IOTC-2017-WPEB13-02: Draft: List of documents for the 13th Working Party on Ecosystems and Bycatch
3. **THE IOTC PROCESS: OUTCOMES, UPDATES AND PROGRESS**
 - 3.1 Outcomes of the 19th Session of the Scientific Committee (IOTC Secretariat)
 - IOTC-2017-WPEB13-03: Outcomes of the 19th Session of the Scientific Committee
 - 3.2 Outcomes of the 21st Session of the Commission (IOTC Secretariat)
 - IOTC-2017-WPEB13-04: Outcomes of the 21st Session of the Commission
 - 3.3 Review of Conservation and Management Measures relevant to Ecosystems and Bycatch (IOTC Secretariat)
 - IOTC-2017-WPEB13-05: Review of current Conservation and Management Measures relevant to ecosystems and bycatch
 - 3.4 Progress on the recommendations of WPEB12 (IOTC Secretariat)
 - IOTC-2017-WPEB13-06: Progress made on the recommendations and requests of WPEB12 and SC19
4. **REVIEW OF DATA AVAILABLE ON ECOSYSTEMS AND BYCATCH**
 - 4.1. Review of the statistical data available for ecosystems and bycatch species (IOTC Secretariat)
 - IOTC-2017-WPEB13-07: Review of the statistical data available for bycatch species
 - IOTC-2017-WPEB13-08: Update on the implementation of the IOTC Regional Observer Scheme
5. **REVIEW OF NATIONAL BYCATCH ISSUES IN IOTC MANAGED FISHERIES AND NATIONAL PLANS OF ACTION** (sharks; seabirds; marine turtles) (CPCs and IOTC Secretariat)
 - 5.1. Review of applications for 'not applicable' NPOA status (IOTC Secretariat)
 - 5.2. Updated status of development and implementation of National Plans of Action for seabirds and sharks, and the implementation of the FAO guidelines to reduce marine turtle mortality in fishing operations (CPCs).
 - IOTC-2017-WPEB13-09: Status of development and implementation of National Plans of Action for seabirds and sharks, and implementation of the FAO guidelines to reduce marine turtle mortality in fishing operations (IOTC Secretariat)
6. **NEW INFORMATION ON BIOLOGY, ECOLOGY, FISHERIES AND ENVIRONMENTAL DATA RELATING TO ECOSYSTEMS AND BYCATCH SPECIES**



- 6.1. Review new information on environment and ecosystem interactions and modelling, including climate change issues affecting pelagic ecosystems in the IOTC area of responsibility (all)
- IOTC–2017–WPEB13–11: Update on shark catch characteristics by national longliner fleets in Madagascar (2010-2016) (Y. Razafimandimby)
 - IOTC–2017–WPEB13–12: Iranian fishing vessels By-catch in IOTC competence of area in 2016 (R. Shahifar)
 - IOTC–2017–WPEB13–13: Estimation Iran sharks catch historical data 1950-2016 (R. Shahifar)
 - IOTC–2017–WPEB13–14: The current status and management of South Africa's Chondrichthyan fisheries (C. Da Silva, A.J. Booth, S.F.J. Dudley, S.E. Kerwath, S. J. Lamberth, R. W. Leslie, M.E. McCord, W.H.H. Sauer, T. Zweig)
 - IOTC–2017–WPEB13–15: The review of bycatch in Thailand in relation to IOTC species (S. Panjarat, K. Mehroh and S. Rodpradit)
 - IOTC–2017–WPEB13–16: Skipjack tuna (*Katsuwonus pelamis*) feeding habitat dynamics and accessibility to purse seine fisheries in the Atlantic and Indian Oceans (D. Jean-Noël, E. Chassot, H. Murua, J.Lopez)
 - IOTC–2017–WPEB13–17: Comparing electronic monitoring system with observer data for estimating bycatch and discards on French tropical tuna purse seine vessels (CAT OOE program)(K. Briand, A. Bonnieux, W. Le Dantec, S. Le Couls, P. Bach, A. Maufroy, A. Relot-Stirnemann, P. Sabarros, A.-L. Vernet, F. Jehenne, M. Goujon)
 - IOTC–2017–WPEB13–42: Main results of the Spanish Best Practices program: evolution of the use of Non-entangling FADs, interaction with entangled animals, and fauna release operations (J. Lopez, N. Goñi, I. Arregi, J. Ruiz, I. Krug, H. Murua, J. Murua, J. Santiago)
- 7. GILLNET FISHERIES: PROBLEMS AND NEEDS** (recommendations from the SC / decisions of the Commission)
- 7.1. Regional review of the data available for gillnet fleets operating in the Indian Ocean (all)
- IOTC–2017–WPEB13–18: Description of the tuna gillnet capacity and bycatch in the IOTC convention area (M. Aranda and J. Santiago)
 - IOTC–2017–WPEB13–19: Major bycatch reduction of cetaceans and marine turtles by use of subsurface gillnets in Pakistan (M. Moazzam and R. Nawaz)
- 7.2. Training on species identification, bycatch mitigation and data collection for gillnet fleets – updates, plans of action and identification of other potential sources of assistance (all)
- 8. BLUE SHARK**
- 8.1. Review new information on blue shark biology, stock structure, bycatch mitigation measures, fisheries and associated environmental data (all)
- IOTC–2017–WPEB13–20: Age and growth of blue shark in the Indian Ocean (I. Andrade, D. Rosa & R. Coelho)
 - IOTC–2017–WPEB13–21: Estimating population growth rate for Indian Ocean blue shark (*Prionace glauca*) using demographic method (Z. Geng, J. Zhu)
 - IOTC–2017–WPEB13–22: Catch reconstruction for the Indian Ocean blue shark: an alternative hypothesis based on ratios (R.Coelho & D. Rosa)
 - IOTC–2017–WPEB13–23: Approaches to the reconstruction of catches of Indian Ocean blue shark (S.Martin and J.Rice)
- 8.2. Review of new information on the status of blue shark (all)
- Nominal and standardised CPUE indices
 - IOTC–2017–WPEB13–24: Blue shark catches and standardized CPUE for the Portuguese pelagic longline fleet in the Indian Ocean (R. Coelho, P. G. Lino & D. Rosa)



- IOTC–2017–WPEB13–25: Standardized catch rates in biomass for the Blue shark (*Prionace glauca*) caught by the Spanish surface longline fleet in the Indian Ocean during the 2001-2015 period (Fernández-Costa, J., Ramos-Cartelle, A., García-Cortés, B. and Mejuto, J.)
 - IOTC–2017–WPEB13–26: Standardized CPUE of blue shark in Indonesian tuna longline fishery estimated from scientific observer data period 2005 – 2016 (Dian Novianto, Eko Susilo, Zulkarnaen Fahmi & Rui Coelho)
 - IOTC–2017–WPEB13–27: Standardized CPUE of Blue shark caught by the French swordfish longline fishery in the south-west Indian Ocean (2007-2016) (P.S. Sabarros, R. Coelho, P. Bach)
 - IOTC–2017–WPEB13–28: Bycatch of the European purse-seine tuna fishery in the Indian Ocean for the 2008-2016 period (P. S. Sabarros, F.J. Abascal Crespo, M.J. Amandè, P. Cauquil, J. Lope, H. Murua, P.J. Pascual Alayon, M.L. Ramos Alonzo, J. Ruiz Gondra, Pascal Bach)
 - IOTC–2017–WPEB13–29: Revised standardized CPUE of blue shark (*Prionace glauca*) in the Indian Ocean estimated from Japanese observer data collected between 1992 and 2016 (Y. Semba)
 - Stock assessments (including data poor approaches)
 - IOTC–2017–WPEB13–30: Stock Reduction Analysis of Blue Shark (*Prionace glauca*) caught in the Indian Ocean (H. Andrade)
 - IOTC–2017–WPEB13–31: Application of JABBA (Just Another Bayesian Biomass Assessment) to Indian Ocean blue shark (H.Winker and F.Carvalho)
 - IOTC–2017–WPEB13–32: Stock assessment of Indian Ocean blue shark (*Prionace glauca*) using Bayesian Pella-Tomlinson production model (Z. Geng and J. Zhu)
 - IOTC–2017–WPEB13–33: Stock assessment blue shark (*Prionace glauca*) in the Indian Ocean using Stock Synthesis (J.Rice)
 - Selection of Stock Status indicators for blue shark
- 8.3. Development of management advice for blue shark and update of blue shark Executive Summary for the consideration of the Scientific Committee (all)
- Consideration of options for alternative management measures for blue shark in the IOTC area of competence

9. OTHER SHARKS AND RAYS

- 9.1. Review new information on other shark and ray biology, stock structure, bycatch mitigation measures, fisheries and associated environmental data (all)
- IOTC–2017–WPEB13–34: Modelling the oceanic habitats of Silky shark (*Carcharhinus falciformis*), implications for conservation and management (J. Lopez, D. Alvarez-Berastegui, M. Soto, H. Murua)
- 9.2. Review of new information on the status of other sharks (all)
- Nominal and standardised CPUE indices
 - IOTC–2017–WPEB13–35: Fishery indicators for shortfin mako shark (*Isurus oxyrinchus*) caught by the Portuguese pelagic longline fishery in the Indian Ocean: Catch, effort, size distribution and standardized CPUEs (R. Coelho, D. Rosa and P. Lino)
 - Selection of Stock Status indicators for other sharks
- 9.3. Development of management advice on the status of other shark stocks and update of other shark species Executive Summaries for the consideration of the Scientific Committee (all)
- Consideration of options for alternative management measures for other sharks in the IOTC area of competence

10. MARINE TURTLES

- 10.1. Review new information on marine turtle biology, ecology, fisheries interactions and bycatch mitigation measures (all);
- IOTC–2017–WPEB13–36: Marine Turtles of Sri Lanka; Status, Issues, Threats and Conservation Strategies (R.A.M. Jayathilaka, H.A.C.C. Perera and S.S.K. Haputhanthri)



- IOTC–2017–WPEB13–37: Bycatch records of sea turtles obtained through Japanese Observer Program in the IOTC Convention Area (K. Okamoto and K. Oshima)
- IOTC–2017–WPEB13–38: Joint Analysis of Sea Turtle Mitigation Effectiveness: Final Report (Common Oceans ABNJ Tuna Project)
- 10.2. Review of mitigation measures in Resolution 12/04 (all);
- 10.3. Development of management advice on the status of marine turtle species and update of the Executive Summary for the consideration of the Scientific Committee (all).

11. OTHER BYCATCH AND BYPRODUCT SPECIES INTERACTIONS

- 11.1. Review new information on other bycatch and byproduct, in terms of biology, ecology, fisheries interactions and bycatch mitigation measures (all)
- 11.2. Review of new information on the retention of non-target species by purse seiners (Resolution 17/04) (all)
- 11.3. Seabirds
 - Review new information on seabird biology, ecology, fisheries interactions and bycatch mitigation measures (all);
 - IOTC–2017–WPEB13–39: Update on the seabird component of the Common Oceans Tuna Project – seabirds bycatch assessment workshops (Birdlife South Africa)
 - IOTC–2017–WPEB13–43: Identifying areas, seasons and fleets of potential highest bycatch risk to South Georgia Albatrosses and Petrels (T.A. Clay, C. Small, A. P. B. Carneiro, B. Mulligan, D. Pardo, A. G. Wood, R. A. Phillips)
 - Review of mitigation measures in Resolution 12/06 (all);
 - Development of management advice on the status of seabird species (all).
- 11.4. Marine mammals
 - Review new information on marine mammal biology, ecology, fisheries interactions and bycatch mitigation measures (all);
 - IOTC–2017–WPEB13–40: Cetacean bycatch in the western Indian Ocean: an updated review of available information in coastal gillnets, tuna purse-seine and pelagic longline fisheries (J.J. Kiszka, P. Berggren, G. Minton, T. Collins, G. Braulik & R. Reeves)
 - Development of management advice on the status of marine mammal species (all).

12. WPEB PROGRAM OF WORK

- 12.1. Revision of the WPEB Program of Work 2018–2022 (Chairperson and IOTC Secretariat)
 - IOTC–2017–WPEB13–10: Revision of the WPEB Program of Work (2018–2022)
- 12.2. Development of priorities for an Invited Expert/s at the next Working Party on Ecosystems and Bycatch meeting (Chairperson)

13. OTHER BUSINESS

- 13.1. Update: Southern hemisphere stock status assessment of porbeagle shark (all)
 - IOTC–2017–WPEB13–41: Southern Hemisphere porbeagle shark (*Lamna nasus*) stock status assessment
- 13.2. Update: Ecosystem Based Fisheries Management (EBFM) joint meeting of tRFMOs (Chairperson)
- 13.3. Date and place of the 14th and 15th Sessions of the Working Party on Ecosystems and Bycatch (Chairperson and IOTC Secretariat)
- 13.4. Election of a Chairperson and Vice-Chairperson for the next biennium (IOTC Secretariat)
- 13.5. Review of the draft, and adoption of the Report of the 13th Session of the Working Party on Ecosystems and Bycatch (Chairperson)