
AGENDA FOR THE 15TH WORKING PARTY ON BILLFISH

Updated: 28 August 2017

Date: 10–14 September 2017

Location: San Sebastián, Spain

Venue: AZTI Pasaia

Time: 09:00 – 17:00 daily

Chair: Dr Tsutomu Nishida (Japan); **Vice-Chair:** Dr Evgeny Romanov (EU,France)

- **OPENING OF THE MEETING** (Chairperson)
- **ADOPTION OF THE AGENDA AND ARRANGEMENTS FOR THE SESSION** (Chairperson)
 - IOTC–2017–WPB15–01a: Draft: Agenda for the 15th Working Party on Billfish
 - IOTC–2017–WPB15–01b: Draft: Annotated agenda for the 15th Working Party on Billfish
 - IOTC–2017–WPB15–02: Draft: List of documents for the 15th Working Party on Billfish
- **THE IOTC PROCESS: OUTCOMES, UPDATES AND PROGRESS**
 - 3.1 Outcomes of the 19th Session of the Scientific Committee (IOTC Secretariat)
 - IOTC–2017–WPB15–03: Outcomes of the 19th Session of the Scientific Committee
 - 3.2 Outcomes of the 21th Session of the Commission (IOTC Secretariat)
 - IOTC–2017–WPB15–04: Outcomes of the 21th Session of the Commission
 - 3.3 Review of Conservation and Management Measures relevant to billfish (IOTC Secretariat)
 - IOTC–2017–WPB15–05: Review of Conservation and Management Measures relevant to billfish
 - 3.4 Progress on the recommendations of WPB14 (IOTC Secretariat)
 - IOTC–2017–WPB15–06: Progress made on the recommendations and requests of WPB14 and SC19 (IOTC Secretariat)
- **NEW INFORMATION ON FISHERIES AND ASSOCIATED ENVIRONMENTAL DATA FOR BILLFISH**
 - 4.1 Review of the statistical data available for billfish (IOTC Secretariat)
 - IOTC–2017–WPB15–07: Review of the statistical data and fishery trends for billfish species
 - 4.2 Review new information on fisheries and associated environmental data (general CPC papers)
 - IOTC–2017–WPB15–09: A brief overview of the large pelagic in Iran with the emphasis on billfish by-catches of the Iran gillnet fishery in the IOTC area (2012-2016) (Rajaei F)
 - IOTC–2017–WPB15–10: Exploring the spatial distribution to analyze the spatial variability of catch compositions of three major billfish species; Swordfish (*Xiphias gladius*), Black marlin (*Makaira indica*) and Sailfish (*Istiophorus platypterus*) from Off-shore multi-day fishery in Sri Lanka (Weerasekera S.J., Rathnasuriya M.I.G.)
 - IOTC–2017–WPB15–11: Billfishes landings in Southwestern Indian Ocean by Malaysian flag vessels (Basir S, Jamon S, Mohd Faizal E)
 - IOTC–2017–WPB15–12: The review of landing billfishes in Phuket ports, Thailand (Panjarat S, Rodpradit S)
 - IOTC–2017–WPB15–36: Increased billfish by-catches of the Seychelles industrial longline fishery (Lucas J, Assan C)
 - 4.3 New information on sport fisheries (all)
 - IOTC–2017–WPB15–13: Facilitating the acquisition of catch-and-effort and size data from sports fisheries in the western Indian Ocean (Pepperell J, Griffiths S, Kadagi N)

➤ **SWORDFISH**

- 5.1 Review new information on swordfish biology, stock structure, fisheries and associated environmental data (all)
- 5.2 Review of new information on the status of swordfish (all)
- Nominal and standardised CPUE indices
 - IOTC–2017–WPB15–14: Swordfish catches by the Portuguese pelagic longline fleet in 1998-2016 in the Indian Ocean: catch, effort and standardized CPUEs (Coelho R, Lino P. G., Rosa D.)
 - IOTC–2017–WPB15–15: Standardised CPUE indices for Swordfish (*Xiphias gladius*) from the Indonesian tuna longline fishery (Setyadji B, Fahmi Z, Andrade H)
 - IOTC–2017–WPB15–16: Updated standardized catch rates of Swordfish (*Xiphias gladius*) caught by the Spanish surface longline fleet in the Indian ocean during the 2001-2015 period Fernández-Costa J, García-Cortés B, Ramos-Cartelle A, Mejuto J)
 - IOTC–2017–WPB15–17: CPUE standardization of Swordfish (*Xiphias gladius*) caught by Taiwanese longline fishery in the Indian Ocean (Wang S.P.)
 - IOTC–2017–WPB15–18: Standardized CPUE for Swordfish using French longliner data from 1993 to 2016 (Bonhommeau S, Evano H, Huet J)
 - IOTC–2017–WPB15–19: CPUE standardization of the Indian Ocean swordfish (*Xiphias gladius*) by Japanese longline fisheries: Using negative binomial GLMM and zero inflated negative binomial GLMM to consider vessel effect (Ijima et al)
 - IOTC–2017–WPB15–37: Standardization of the catch per unit effort for Swordfish (*Xiphias gladius*) for the South African longline fishery (Da Silva C, Parker D, Winker H, West W, Kerwath S. E.)
 - Stock assessments
 - IOTC–2017–WPB15–20_Rev1: An age-, sex- and spatially-structured stock assessment of the Indian Ocean Swordfish fishery 1950-2015, using stock synthesis (IOTC Secretariat)
 - IOTC–2017–WPB15–21: Stock assessment of Swordfish (*Xiphias gladius*) in the Indian Ocean using A Stock-Production Model Incorporating Covariates (ASPIC) (Wang S.P.)
 - IOTC–2017–WPB15–22: Stock assessments of Swordfish (*Xiphias gladius*) in the Indian Ocean using Statistical-Catch-At-Age (SCAA) (Nishida T et al)
 - IOTC–2017–WPB15–23: Model diagnostic for Stock Synthesis in the assessment of the Indian Ocean swordfish (*Xiphias gladius*) (Yokoi et al)
 - IOTC–2017–WPB15–24: Stock Assessment of Swordfish (*Xiphias gladius*) of the Indian Ocean using a Bayesian Surplus Production Model (Andrade H)
 - IOTC–2017–WPB15–25: Stock assessment of the Swordfish using a Virtual Population Analysis (Bonhommeau S, Nieblas A-E, Evano H, Huet J, Barde J)
 - IOTC–2017–WPB15–26: An online tool to easily run stock assessment models, using SS3 and SWO as an example (Nieblas A-E, Bonhommeau S, Imzilen T, Fu D, Fiorellato F, Barde J)
- 5.3 Development of management advice for swordfish and update of swordfish Executive Summary for the consideration of the Scientific Committee (all)

➤ **MARLINS (Priority species for 2017: Striped marlin)**

- 6.1 Review new information on marlin biology, stock structure, fisheries and associated environmental data (all)
- IOTC–2017–WPB15–27: Management strategy evaluation for Indian Ocean Striped marlin (*Tetrapturus audax*) based on data limited methods (Xia M, Dai X, Zhu J)
 - IOTC–2017–WPB15–28: Preliminary results from an assessment of genetic population structure for Striped marlin (*Tetrapturus audax*) in the Pacific and Indian oceans (Mamoozadeh N.R., McDowell J.R., Graves J.E.)
- 6.2 Review of new information on the status of marlins (all)
- Nominal and standardised CPUE indices
 - IOTC–2017–WPB15–29: CPUE standardization of Striped marlin (*Tetrapturus audax*) caught by Taiwanese longline fishery in the Indian Ocean (Wang S.P.)
 - IOTC–2017–WPB15–30: Estimations of Catch per Unit Effort (CPUE) of Striped marlin (*Tetrapturus audax*) caught by gillnet fleets in the Indian Ocean (Andrade H)

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- IOTC–2017–WPB15–31: CPUE standardization of the Indian Ocean Striped marlin (*Tetrapturus audax*) by Japanese longline fisheries: Using negative binomial GLMM and zero inflated negative binomial GLMM to consider vessel effect (Ijima et al)
 - Stock assessments
 - IOTC–2017–WPB15–32: Stock assessment of Striped marlin (*Tetrapturus audax*) in the Indian Ocean using the Stock Synthesis (Wang S.P.)
 - IOTC–2017–WPB15–33: Stock assessments of Striped marlin (*Tetrapturus audax*) in the Indian Ocean using A Stock-Production Model Incorporating Covariates (ASPIC) (Yokoi et al)
 - IOTC–2017–WPB15–34: Stock Reduction Analysis of Striped marlin (*Tetrapturus audax*) caught in the Indian Ocean (Andrade H)
 - IOTC–2017–WPB15–35: Stock assessment of Striped marlin (*Tetrapturus audax*) of the Indian Ocean using a Bayesian Surplus Production Model (Andrade H)
 - Selection of Stock Status indicators for marlins
- 6.3 Development of management advice for marlins and update of marlin species Executive Summaries for the consideration of the Scientific Committee (all)
- **INDO-PACIFIC SAILFISH**
- 7.1 Review new information on I.P. sailfish biology, stock structure, fisheries and associated environmental data (all)
- 7.2 Review of new information on the status of IP sailfish (all)
 - Nominal and standardised CPUE indices
 - Selection of Stock Status indicators for IP sailfish
- 7.3 Development of management advice for IP sailfish and update of IP sailfish species Executive Summaries for the consideration of the Scientific Committee (all)
- **DEVELOPMENT OF OPTIONS FOR ALTERNATIVE MANAGEMENT MEASURES (INCLUDING CLOSURES) FOR BILLFISH IN THE IOTC AREA OF COMPETENCE**
- **WPB PROGRAM OF WORK**
- 9.1 Revision of the WPB Program of Work (2018–2022) (Chairperson and IOTC Secretariat)
 - IOTC–2017–WPB15–08: Revision of the WPB Program of Work (2017–2021)
- 9.2 Development of priorities for an Invited Expert at the next WPB meeting (Chairperson)
- **OTHER BUSINESS**
- 10.1 Date and place of the 16th and 17th Sessions of the Working Party on Billfish (Chairperson and IOTC Secretariat)
- 10.2 Election of a Chairperson and Vice-Chairperson for the next biennium (IOTC Secretariat)
- 10.3 Review of the draft, and adoption of the Report of the 15th Session of the Working Party on Billfish (Chairperson)