

## LIST OF DOCUMENTS FOR THE 21<sup>ST</sup> WORKING PARTY ON BILLFISH

Last updated: 29<sup>th</sup> August 2023

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IOTC-2023-WPB21-01a	Agenda of the 21 <sup>st</sup> Working Party on Billfish
IOTC-2023-WPB21-01b	Annotated agenda of the 21 <sup>st</sup> Working Party on Billfish
IOTC-2023-WPB21-02	List of documents of the 21 <sup>st</sup> Working Party on Billfish
IOTC-2023-WPB21-03	Outcomes of the 25 <sup>th</sup> Session of the Scientific Committee (IOTC Secretariat)
IOTC-2023-WPB21-04	Outcomes of the 27 <sup>th</sup> Session of the Commission (IOTC Secretariat)
IOTC-2023-WPB21-05	Review of Conservation and Management Measures relevant to billfish (IOTC Secretariat)
IOTC-2023-WPB21-06	Progress made on the recommendations and requests of WPB20 and SC25 (IOTC Secretariat)
IOTC-2023-WPB21-07	Review of the statistical data and fishery trends for billfish species (IOTC Secretariat)
IOTC-2023-WPB21-08	Revision of the WPB Program of Work (2024-2028) (IOTC Secretariat)
IOTC-2023-WPB21-09	Population structure of swordfish across the ICCAT/IOTC management boundary (West W, da Silva C and Kerwath S)
IOTC-2023-WPB21-10	Industrial longlining catch rates, temporal variation and length-frequency of swordfish ( <i>Xiphias gladius</i> ) fishery in the Kenyan Marine waters (Lukhwenda P)
IOTC-2023-WPB21-11	Population structural dynamics of the swordfish, <i>Xiphias gladius</i> , across the Indian Ocean using Next Generation Sequencing (Chevrier T, Cowart D, Nieblas A-E, Charrier G, Bernard S, Evano H, Brisset B, Chanut J, Bourjea J, Bonhommeau S)
IOTC-2023-WPB21-12	Update of the Swordfish Catch, Effort and Standardized CPUEs by the Portuguese Pelagic Longline Fleet Operating in the Indian Ocean, Between 1998 and 2022 (Coelho R, Rosa D and Lino P)
IOTC-2023-WPB21-13	Standardized CPUE of swordfish ( <i>Xiphias gladius</i> ) from Indonesian tuna longline fleets in the north-eastern Indian Ocean (Setyadji B, Spencer M, Kell L, Wright S, Ferson S, Budiarto A, Hernuyadin Y)
IOTC-2023-WPB21-14	CPUE standardization for swordfish ( <i>Xiphias gladius</i> ) by Japanese longline fishery in the Indian Ocean using zero-inflated Bayesian hierarchical spatial model (Matsumoto T, Taki K, Ijima H, and Kai M)
IOTC-2023-WPB21-15	Updated Standardized Catch Rates of Swordfish ( <i>Xiphias gladius</i> ) Caught by the Spanish Surface Longline Fleet in the Indian Ocean During the 2001-2021 Period (Fernández-Costa J, Ramos-Cartelle A, García-Cortés B and Mejuto J)
IOTC-2023-WPB21-16	CPUE standardization of swordfish ( <i>Xiphias gladius</i> ) caught by Taiwanese large-scale longline fishery in the Indian Ocean (Lin C-Y, Wang S-P, Xu W-Q)
IOTC-2023-WPB21-17	Population size estimation of swordfish through Close-Kin Mark Recapture (Chevrier T, Cowart D, Nieblas A-E, Baylis S, Bravington M, Bernard S, Evano H, Brisset B, Chanut J, Bonhommeau S)
IOTC-2023-WPB21-18	Stock assessment of swordfish ( <i>Xiphias gladius</i> ) in the Indian Ocean using A Stock-Production Model Incorporating Covariates (ASPIC) (Xu W-Q, Wang S-P, Lin C-Y)
IOTC-2023-WPB21-19	Indian Ocean Swordfish Stock Assessment 1950-2021 (Stock Synthesis) (Fu D)
IOTC-2023-WPB21-20	Billfish from Purse Seiners fisheries in the Andaman Sea of Thailand (Hoimuk S and Piabpabattana S)
IOTC-2023-WPB21-21	Evaluating the Status of Large Pelagic Fisheries in Iran: A Focus on Sustainable Management of Billfish fisheries (Dafrazi RN)

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IOTC-2023-WPB21-22	Analysis of the at-haulback mortality of striped marlin ( <i>Tetrapturus audax</i> ) in the western Indian Ocean by Chinese longline fishing using a GLM (Li X, Wang X, Guo Y, Wu F and Zhu J)
IOTC-2023-WPB21-23	Habitat and movements of the swordfish <i>Xiphias gladius</i> in the southern Indian Ocean oligotrophic gyre and beyond: preliminary results of swordfish tagging experiments in Reunion Island (Romanov E, Sabarros P, Guillon N, Le Foulgoc L, Dardalhon C, Bach P, Marsac F)
IOTC-2023-WPB21-24	Effect of bait types on the catchability of billfish in tuna long line fishery in Sri Lanka (Jayasinghe P)
IOTC-2023-WPB21-25	Larval billfish in the WIO and future research endeavor (Shiroza A)
IOTC-2023-WPB21-26	IOTC Swordfish Management Strategy Evaluation Update (Brunel T, Mosqueira I)
IOTC-2023-WPB21-27	Findings from 101 satellite tags deployed on Indian Ocean billfish during the FLOPPED project (Nieblas AE, Bernard S, Big Game Fishing Réunion, Brisset B, Bury M, Chanut J, Chevrier T, Coelho R, Colas Y, Evano H, Faure C, Hervé G, Kerzerho V, Nithard A, Newton R, Newton T, Rouyer T, Tracey S, Worthington J, Bonhommeau S)
IOTC-2023-WPB21-28	The Status of Billfish Populations in Somalia: Challenges and Opportunities for Conservation and Management (Nor SA)
IOTC-2023-WPB21-29	Shortbill spearfish <i>Tetrapturus angustirostris</i> : a note on the distribution and occurrence in the Indian Ocean fisheries (Romanov E, Ramos ML, Baez JC, Coelho R, Ruiz J, Sabarros P, and Merino G)
IOTC-2023-WPB21-30	Updated stock assessment of swordfish ( <i>Xiphias gladius</i> ) in the Indian Ocean using the Bayesian state-space surplus production model (JABBA) (Wang S-P)