
AGENDA FOR THE 22ND WORKING PARTY ON TROPICAL TUNAS: ASSESSMENT MEETING

Last updated: 08 October 2020

Date: 19 - 23 October 2020

Location: Online

Platform: Microsoft Teams

Time: 12:00 – 16:00 daily (Seychelles time)

Chair: Dr Gorka Merino (EU); **Vice-Chair:** Dr Shiham Adam (IPNLF)

1. **OPENING OF THE MEETING** (Chair)
2. **ADOPTION OF THE AGENDA AND ARRANGEMENTS FOR THE SESSION** (Chair)
 - IOTC–2020–WPTT22(AS)–01a: Draft: Agenda of the 22nd Working Party on Tropical Tunas (Assessment Meeting)
 - IOTC–2020–WPTT22(AS)–01b: Draft: Annotated agenda of the 22nd Working Party on Tropical Tunas (Assessment Meeting)
 - IOTC–2020–WPTT22(AS)–02: Draft: List of documents for the 22nd Working Party on Tropical Tunas (Assessment Meeting)
3. **UPDATE OF ANY NEW DATA AVAILABLE AT THE SECRETARIAT FOR TROPICAL TUNA SPECIES SINCE THE DATA PREPARATORY MEETING** (IOTC Secretariat)
 - IOTC–2020–WPTT22(AS)–03: Review of the statistical data and fishery trends for tropical tunas (IOTC Secretariat)
4. **SKIPJACK STOCK ASSESSMENT** (Chair)
 - 4.1 Review any new information on skipjack biology, stock structure, fisheries and associated environmental data since the data preparatory meeting (all)
 - IOTC–2020–WPTT22(AS)–08: Reproductive Biology of Skipjack Tuna (*Katsuwonus pelamis*) in Indonesian Exclusive Economic Zone (Hartaty H, Setyadi B and Fahmi Z)
 - 4.2 Update on the nominal and standardised CPUE indices presented at the data preparatory meeting
 - IOTC–2020–WPTT22(DP)–INF05: Addendum to the Paper IOTC-2020-WPTT22(DP)-11 (Bayesian Skipjack and Yellowfin Tuna CPUE Standardisation Model for Maldives Pole and Line 1970-2019) Presented at the IOTC–2020–WPTT22(DP) Meeting (Medley P, Ahusan M and Adam MS).

Not for Presentation
 - IOTC–2020–WPTT22(DP)–INF04: Standardized purse seine CPUE of skipjack in the Indian Ocean for the European fleet (Guery L)
 - 4.3 Stock assessments results
 - Stock Synthesis (SS3)
 - IOTC–2020–WPTT22(AS)–10: Preliminary Indian Ocean Skipjack Stock Assessment (Stock Synthesis) (Fu D)
 - Other modelsNot for presentation
 - IOTC–2020–WPTT22(AS)–INF03: Development of the SCAS (Statistical-Catch-At-Size) software (Nishida T, Kitakado T and Odaira Y)
 - 4.4 Selection of Stock Status indicators for skipjack
 - 4.5 Update on Management Strategy Evaluation Progress
 - 4.6 Development of management advice for skipjack tuna (all)
 - 4.7 Update of skipjack tuna Executive Summary for the consideration of the Scientific Committee (all)

5 OTHER TROPICAL TUNAS

Documents 05, 06, 07, 11, 12 and 16 will be presented together as the outputs of a single project.

- IOTC–2020–WPTT22(AS)–05 Investigating early stages of skipjack tuna (*Katsuwonus pelamis*) in the Indian Ocean using otolith chemistry (Artetxe-Arrate I, Fraile I, Rodríguez-Ezpeleta N, Farley J, Darnaude A M, Clear N, Dettman D, Pécheyran C, Eveson P, Krug I, Nikolic N, Médieu A, Landsdell M, Ahusan M, Proctor C, Priatna A, Lestari P, Taufik M, Usmani H, Zehra K, Khan M, Shahid M, Kazmi S, Islam S, Tariq M, Zafar S, Zaidi J, Marsac F, Davies C, and Murua H)
 - IOTC–2020–WPTT22(AS)–06 Otolith $\delta^{18}O$ as a tracer of yellowfin tuna (*Thunnus albacares*) origin in the Indian Ocean (Artetxe-Arrate I, Fraile I, Farley J, Clear N, Darnaude AM, Dettman D, Eveson P, Krug I, Nikolic N, Médieu A, Ahusan M, Landsdell M, Proctor C, Priatna A, Lestari P, Taufik M, Parker D, Usmani H, Zehra K, Khan M, Shahid U, Kazmi S, Islam S, Tariq M, Zafar S, Zaidi J, Davies C, Marsac F and Murua H)
 - IOTC–2020–WPTT22(AS)–07 Co-occurrence of genetically isolated groups of skipjack tuna (*Katsuwonus pelamis*) within the Indian Ocean (Rodríguez-Ezpeleta N, Artetxe-Arrate I, Mendibil I, Díaz-Arce N, Krug I, Ruiz J, Nikolic N, Medieu A, Pernak M, Farley J, Grewe P, Lansdell M, Aulich J, Clear N, Proctor C, Wudianto, Ruchimat T, Fahmi Z, Satria F, Lestari P, Taufik M, Priatna A, Zamroni A, Davies C, Marsac F, Fraile I, Murua H)
 - IOTC–2020–WPTT22(AS)–11: Investigating population structure of bigeye tuna in the Indian Ocean using otolith chemistry (Clear N, Eveson P, Darnaude AM, Labonne M, Artetxe-Arrate I, Fraile I, Farley J, Grewe P, Lestari P, Taufik M, Zamroni A, Priatna A, Aulich J, Lansdell M, Lozano-Montes H, Danyushevsky L, Fahmi Z, Wudianto, Murua H, Marsac F and Davies C)
 - IOTC–2020–WPTT22(AS)–12: Genetic population connectivity of yellowfin tuna within the Indian Ocean (Grewe P, Feutry P, Foster S, Aulich J, Lansdell M, Cooper S, Clear N, Farley J, Nikolic N, Krug I, Mendibil I, Ahusan M, Parker D, Wudianto, Ruchimat T, Satria F, Lestari P, Taufik M, Fernando D, Priatna A, Zamroni A, Rodríguez-Ezpelet N, Artetxe-Arrate I, Fahmi Z, Murua H, Marsac F, Davies C).
 - IOTC–2020–WPTT22(AS)–16: Evidence of connectivity of bigeye tuna (*Thunnus obesus*) throughout the Indian Ocean inferred from genome-wide genetic markers (Díaz-Arce N, Grewe P, Krug I, Artetxe I, Ruiz J, Nikolic N, Medieu A, Pernak M, Lansdell M, Aulich J, Clear N, Proctor C, Wudianto, Ruchimat T, Fahmi Z, Satria F, Lestari P, Taufik M, Priatna A, Zamroni A, Farley J, Davies C, Marsac F, Fraile F, Murua H, Rodríguez-Ezpeleta N)
 - IOTC–2020–WPTT22(AS)–09: Plan of trilateral collaborative study among Japan, Korea and Taiwan for producing joint abundance index with longline fisheries data for the tropical tuna species in the Indian Ocean (Kitakado T, Satoh K, Matsumoto T, Yokoi H, Okamoto K, Lee S-I, Kyung Lee M, Lim J-H, Wang S-P, Su N-J, Tsai W-P and Chang S-T)
 - IOTC–2020–WPTT22(AS)–13: Improved version of the tropical tuna treatment process: new perspectives for catch estimates of tropical purse seine fishery (Duparc A., Depetris M., Cauquil P., Floch L., Lebranchu J.)
 - IOTC–2020–WPTT22(AS)–14: Are sets on tropical tuna not associated with floating objects really free schools sets? Implications on fishing effort (Báez J-C, González-Carballo M, Lourdes Ramos M and Deniz S)
 - IOTC–2020–WPTT22(AS)–15: Combined effect of PDO/ENSO on YFT catches in Indian Ocean: the case of Spanish purse seiner fisheries (Báez J-C, Ramos M, González-Carballo M and Czerwinski I)
 - IOTC–2020–WPTT22(AS)–17: Quantifying the increase infishing efficiency due to the use of drifting FADs equipped with echo-sounders in tropical tuna purse seine fisheries (Kaplan D, Wain G, Guery L, and Gaertner D)
- Not for presentation
- IOTC–2020–WPTT22(AS)–INF02: Statistics of the French Purse Seine Fishing Fleet Targeting Tropical Tunas in the Indian Ocean (1981-2019) (Floch L, Depetris M, Duparc A, Kaplan D, Lebranchu J, Marsac F, Pernak M and Bach P)

Yellowfin

5.1 Update on the yellowfin tuna assessment and YFT workplan

- IOTC–2020–WPTT22(AS)–18: Developing management advice to rebuild the Indian Ocean yellowfin tuna (*Thunnus albacares*) stock in two generations (Global tuna alliance)

- IOTC–2020–WPTT22(AS)–20: Stock Trajectory of Yellowfin Tuna exploited by Iranian fisheries in the Sea of Oman (Eighani M)
- IOTC–2020–WPTT22(AS)–21: Preliminary Stock Assessment for Yellowfin Tuna in the Indian Ocean: Hypothesis and Diagnostics (Urtizberea A, Cardinale M, Methot R, Fu D, Fernández C, Winker H, Kitakado T, Merino G).
- IOTC–2020–WPTT22(AS)–22: An application of length-based assessment methods to Indian Ocean fisheries for yellowfin tuna (*Thunnus albacores*) between 1955 and 2015: implications for sustainable fisheries management (Creech S and Gunasekera E)
- IOTC–2020–WPTT22(AS)–19: Development of spatially explicit operating models for yellowfin tuna populations in the Indian Ocean (Dunn A, Hoyle S and Datta S)
- IOTC–2020–WPTT22(AS)–INF01: Summary of activities of the yellowfin tuna workplan (Merino G et al)

5.2 Update on Management Strategy Evaluation Progress

- IOTC–2020–WPM11–12: Indian Ocean Yellowfin Tuna Management Procedure Evaluation Update April 2020 (Kolody D, Day J and Jumppanen P)

Bigeye

5.3 Update on Management Strategy Evaluation Progress

- IOTC–2020–WPM11–11: Indian Ocean Bigeye Tuna Management Procedure Evaluation Update March 2020 (Kolody D, Jumppanen P and Day J)
- IOTC–2020–WPM11–13 : A candidate Management Procedure based on a Joint Process and Observation Error Random Effects Production Model (Kolody D and Jumppanen P)

6 WPTT PROGRAM OF WORK

6.1 Revision of the WPTT Program of Work (2021–2025)

6.2 Development of priorities for an Invited Expert at the next WPTT meeting

7 OTHER BUSINESS

7.1 Date and place of the 23rd and 24th Sessions of the WPTT (Chair and IOTC Secretariat)

7.2 Review of the draft, and adoption of the Report of the 22nd Session of the WPTT(AS) (Chair)