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## ANNOTATED AGENDA FOR THE 24TH WORKING PARTY ON TROPICAL TUNAS:

Last updated: 14 October 2022

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**Date:** 24- 29 October 2022

**Location:** Online

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

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

### 1. OPENING OF THE MEETING (Chair)

### 2. ADOPTION OF THE AGENDA AND ARRANGEMENTS FOR THE SESSION (Chair)

- IOTC–2022–WPTT24–01a: Agenda of the 24<sup>th</sup> Working Party on Tropical Tunas (Secretariat)
- IOTC–2022–WPTT24–01b: Annotated Agenda of the 24<sup>th</sup> Working Party on Tropical Tunas (Secretariat)
- IOTC–2022–WPTT24–02: List of documents for the 24<sup>th</sup> Working Party on Tropical Tunas (Secretariat)

### 3. UPDATE OF ANY NEW DATA AVAILABLE AT THE SECRETARIAT FOR TROPICAL TUNA SPECIES SINCE THE DATA PREPARATORY MEETING (IOTC Secretariat)

#### 3.1 Data available at the Secretariat

- IOTC–2022–WPTT24–03: Review of the statistical data and fishery trends for (a) tropical tunas (b) bigeye tuna (c) skipjack tuna and (d) yellowfin tuna. (Secretariat)

#### 3.2 Fishery Indicators

- IOTC–2022–WPTT24–04: Fisheries Indicators for Indian Ocean tropical tuna. (Secretariat)

### 4. BIGEYE STOCK ASSESSMENT (Chair)

#### 4.1 Review any new information on bigeye biology, stock structure, fisheries and associated environmental data since the data preparatory meeting (all)

- IOTC-2022-WPTT24-06: Impacts of phytoplankton availability on bigeye tuna (*Thunnus obesus*) recruitment in the Indian Ocean (Wang Y et al.)

#### 4.2 Update on the nominal and standardised CPUE indices presented at the data preparatory meeting

- IOTC-2022-WPTT24-07: Good practices in CPUE standardization (Hoyle S, Campbell R, Ducharme-Barth N, Grüss A, Moore B, Thorson J, Tremblay-Boyer L, Winker H, Zhou S, Maunder M)
- IOTC-2022-WPTT24-08: Updated Information on Catch per Unit Effort and Length Distribution of Bigeye Tuna (*Thunnus obesus*) in the Eastern Indian Ocean (Hartaty H, Setyadji B, Sadiyah L, Satria F)
- IOTC-2022-WPTT24-09: Update on the CPUE standardization of the bigeye tuna caught by the Taiwanese large-scale tuna longline fishery in the Indian Ocean (Tsai W-P, Wang S-P, Wu H-S, Chang S-T)
- IOTC–2022–WPM13–14: Update of joint CPUE indices for the bigeye tuna in the Indian Ocean based on Japanese, Korean and Taiwanese longline fisheries data up to 2021 (Kitakado T et al)

#### 4.3 Stock assessments results

- Stock Synthesis (SS3)
- IOTC-2022-WPTT24-10: Preliminary Indian Ocean bigeye tuna stock assessment 1950-2021 (stock synthesis) (Fu D, Merino G and Winker H)
- Other models
- IOTC-2022-WPTT24-11: Using data-limited approaches to assess data-rich Indian Ocean bigeye tuna: Data quantity evaluation and critical information for management implications (Li Y, Zhu J, Dai X, Dan F)
- IOTC–2022–WPTT24–INF02: Preliminary stock assessment of Indian Ocean bigeye tuna using Statistical-Catch-At-Size (SCAS) (1950-2021) (Nishida T, Kitakado T)

#### 4.4 Selection of Stock Status indicators for bigeye tuna

### 5. BIGEYE TUNA MANAGEMENT PROCEDURE

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### 5.1 Consideration of exceptional circumstances (all)

- IOTC-2022-WPTT24-12: Consideration of exceptional circumstances in running the IOTC Bigeye tuna MP for 2022 (Preece A and William A)

### 5.2 Development of management advice for bigeye tuna (all)

### 5.3 Update of bigeye tuna Executive Summary for the consideration of the Scientific Committee (all)

## 6. OTHER TROPICAL TUNAS

- IOTC-2022-WPTT24-14: Scientific catch estimation for the global FAD tropical tuna purse seine fishery in the Indian Ocean (Abascal F, Kaplan D, Rojo V, Gaertner D, Ramos ML, Duparc A, Depetris M, Baez JC)
- IOTC-2022-WPTT24-16: Approaches for estimating natural mortality in tuna stock assessments: application to global yellowfin tuna stocks (Hoyle S, Williams A, Minte-Vera C, Maunder M)
- Yellowfin
  - IOTC-2022-WPTT24-17: Review of 2021 WPTT Indian Ocean yellowfin tuna stock assessment and feasibility of alternative assessment (Johnson S, Cox S, Benson A)
  - IOTC-2022-WPTT24-15: Management implications of recruitment deviate trends for tropical tunas (Merino G et al)
- Skipjack
  - IOTC-2022-WPTT24-18: Distribution and abundance of skipjack tuna along the Pakistan coast (Moazzam M)

## 7. WPTT PROGRAM OF WORK

### 7.1 Revision of the WPTT Program of Work (2023–2027)

- IOTC-2022-WPTT24-05: Revision of the WPTT Program of Work (2023-2027) (IOTC Secretariat)

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

## 8. OTHER BUSINESS

### 8.1 Date and place of the 25th and 26th Sessions of the WPTT (Chair and IOTC Secretariat)

### 8.2 Review of the draft, and adoption of the Report of the 24<sup>TH</sup> Session of the WPTT (Chair)