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## ANNOTATED AGENDA FOR THE FOURTEENTH WORKING PARTY ON TROPICAL TUNAS

LAST UPDATED: 30 OCTOBER, 2012

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**Date:** 24–29 October 2012

**Location:** Grand Baie International Conference Centre (GBICC)  
Royal Road, Grand Baie, Mauritius

**Time:** 09:00 – 17:00 daily

**Chair:** Dr. Hilario Murua; **Vice-Chair:** Dr. Shiham Adam

1. **OPENING OF THE MEETING** (Chair)
2. **ADOPTION OF THE AGENDA AND ARRANGEMENTS FOR THE SESSION** (Chair)
  - IOTC-2012-WPTT14-01a: Draft agenda for the Fourteenth Working Party on Tropical Tunas
  - IOTC-2012-WPTT14-01b: Draft annotated agenda for the Fourteenth Working Party on Tropical Tunas
  - IOTC-2012-WPTT14-02: Draft list of documents for the Fourteenth Working Party on Tropical Tunas
3. **OUTCOMES OF THE FOURTEENTH SESSION OF THE SCIENTIFIC COMMITTEE** (Secretariat)
  - IOTC-2012-WPTT14-03: Outcomes of the Fourteenth Session of the Scientific Committee
4. **OUTCOMES OF SESSIONS OF THE COMMISSION** (Secretariat)
  - IOTC-2012-WPTT14-04: Outcomes of the Sixteenth Session of the Commission (Secretariat)
  - IOTC-2012-WPTT14-05: Review of current Conservation and Management Measures relating to tropical tunas (Secretariat)
5. **PROGRESS ON THE RECOMMENDATIONS OF WPTT13** (Chair and Secretariat)
  - IOTC-2012-WPTT14-06: Progress made on the recommendations of WPTT13 (Chair)
6. **NEW INFORMATION ON FISHERIES AND ASSOCIATED ENVIRONMENTAL DATA RELATING TO TROPICAL TUNAS**
  - IOTC-2012-WPTT14-08 Rev\_2: Predicting thermal structure of the ocean using satellite data to locate hooking depths of tuna longlines in the north east Indian Ocean (J. Rajapaksha)
  - IOTC-2012-WPTT14-09: Outline of climate and oceanographic conditions in the Indian Ocean over the period 2002–2012 (F. Marsac)
  - IOTC-2012-WPTT14-10: The evolving Maldivian tuna fishery and its increasing dependence on the anchored FADs (R. Jauharee and M.S. Adam)
  - IOTC-2012-WPTT14-11 Rev\_2: Optimum soak time of tuna longline gear in the Indian Ocean (W. Chen, L. Song, J. Li, W. Xu and D. Li)
  - IOTC-2012-WPTT14-12 Rev\_1: Tuna and tuna-like fishes catch in Iran with the emphasis on tropical tuna in Indian Ocean during 2001 to 2011 (M. Akhondi)
  - IOTC-2012-WPTT14-13: Data collection protocol of the national longliners at CSP Madagascar (R. Fanazava)
  - IOTC-2012-WPTT14-14: Spatial distribution and species composition of national longliners catches (R. Fanazava)
  - IOTC-2012-WPTT14-15 Rev\_1: Catch of tropical tuna from licensed foreign and local vessels landed in Mauritius from 2008 to 2011 (T. Sooklall, S.P. Beehary and Z. Dhurmeea)
  - IOTC-2012-WPTT14-16 Rev\_1: Tropical tunas from foreign tuna fleets unloading in Phuket, Thailand during 1995–2011 (P. Nootmorn, S. Rodpradit, T. Chaiyen and S. Panjarat)
  - IOTC-2012-WPTT14-17 Rev\_1: Review of Japanese fisheries and tropical tuna catch in the Indian Ocean (T. Matsumoto and K. Satoh)
  - IOTC-2012-WPTT14-18 Rev\_1: Preliminary analysis of fishing activities of purse seiners fishing in the western Indian Ocean over the period January to June 2012 (C. Assan and V. Lucas)

- IOTC–2012–WPTT14–19: Statistics of the purse seine Spanish fleet in the Indian Ocean (1990–2011) (A. Delgado de Molina, J. Ariz and J. José Areso)
- IOTC–2012–WPTT14–20 Rev\_1: Statistics of the French purse seine fishing fleet targeting tropical tunas in the Indian Ocean (1981–2011) (E. Chassot, L. Floch, P. Dewals, I. Terrier and P. Chavance)
- IOTC–2012–WPTT14–21 Rev\_1: Statistics of the purse seine fleet of the French overseas territories targeting tropical tunas in the Indian Ocean (2001–2011) (E. Chassot, L. Floch, P. Dewals, I. Terrier and P. Chavance)
- IOTC–2012–WPTT14–22 Rev\_1: Statistics of the European purse seine fishing fleet and associated flags targeting tropical tunas in the Indian Ocean (1981–2011) (L. Floch, A. Delgado de Molina, C. Assan, P. Dewals, J.J. Areso and E. Chassot)
- IOTC–2012–WPTT14–23 Rev\_1: Updated growth estimates for skipjack, yellowfin and bigeye tuna in the Indian Ocean using the most recent tag-recapture and otolith data (P. Eveson, J. Million, F. Sardenne and G. Le Croizier)
- IOTC–2012–WPTT14–24 Rev\_1: A hierarchical Bayesian integrated model incorporated direct ageing, mark-recapture and length-frequency data for yellowfin (*Thunnus albacares*) and bigeye (*Thunnus obesus*) of the Indian Ocean (E. Dortel, F. Sardenne, G. Le Croizier, J. Million, J.P. Hallier, E. Morize, J.M. Munaron, N. Bousquet and E. Chassot)
- IOTC–2012–WPTT14–42 Rev\_2: A comparison of two CPUE calculation methods for longline fishing (L. Song, J. Li, W. Xu, D. Li and W. Chen)

## 7. BIGEYE TUNA – REVIEW OF NEW INFORMATION ON STOCK STATUS

- 7.1 Review of the statistical data available for bigeye tuna (Secretariat)
  - IOTC–2012–WPTT14–07 Rev\_2: Review of the statistical data and fishery trends for tropical tunas [bigeye tuna]
- 7.2 Review new information on the biology, ecology, stock structure, their fisheries and associated environmental data for bigeye tuna (CPC papers)
- 7.3 Data for input into stock assessments:
  - Catch and effort
  - Catch at size
  - Growth curves and age-length key
  - Catch at age
  - CPUE indices and standardised CPUE indices
  - Tagging data
  - IOTC–2012–WPTT14–25 Rev\_1: CPUE standardization for bigeye tuna caught by Korean tuna longline fisheries in the Indian Ocean (1978–2011) (S.I. Lee, Z.G. Kim, M.K Lee, D.W. Lee and T. Nishida)
  - IOTC–2012–WPTT14–26 Rev\_1: Updated Japanese longline CPUE for bigeye tuna in the Indian Ocean standardized by GLM (K. Satoh and H. Okamoto)
  - IOTC–2012–WPTT14–27 Rev\_2: CPUE standardizations for bigeye tuna caught by Taiwanese [Taiwan,China] longline fishery in the Indian Ocean using generalized linear model (Y.-M. Yeh and S.-T. Chang)
- 7.4 Stock assessment updates
- 7.5 Selection of Stock Status indicators
- 7.6 Development of technical advice on the status of bigeye tuna

## 8. SKIPJACK TUNA – REVIEW OF NEW INFORMATION ON STOCK STATUS

- 8.1 Review of the statistical data available for skipjack tuna (Secretariat)
  - IOTC–2012–WPTT14–07 Rev\_2: Review of the statistical data and fishery trends for tropical tunas [skipjack tuna]
- 8.2 Review new information on the biology, ecology, stock structure, their fisheries and associated environmental data for skipjack tuna (CPC papers)
- 8.3 Data for input into stock assessments:
  - Catch and effort
  - Catch at size
  - Growth curves and age-length key
  - Catch at age
  - CPUE indices and standardised CPUE indices
  - Tagging data

- IOTC–2012–WPTT14–28 Rev\_1: Challenges and opportunities for standardization of Maldivian skipjack CPUE (S. Adam)
- 8.4 Stock assessments
  - IOTC–2012–WPTT14–29 Rev\_1: Indian Ocean skipjack tuna stock assessment (1950–2011) (Stock Synthesis) (R. Sharma, M. Herrera and J. Million)
- 8.5 Selection of Stock Status indicators
- 8.6 Development of technical advice on the status of skipjack tuna
- 9. YELLOWFIN TUNA – REVIEW OF NEW INFORMATION ON STOCK STATUS**
  - 9.1 Review of the statistical data available for yellowfin tuna (Secretariat)
    - IOTC–2012–WPTT14–07 Rev\_2: Review of the statistical data and fishery trends for tropical tunas [yellowfin tuna]
  - 9.2 Review new information on the biology, ecology, stock structure, their fisheries and associated environmental data for yellowfin tuna (CPC papers)
    - IOTC–2012–WPTT14–30 Rev\_1: Study of the growth and population parameters of yellowfin tuna (*Thunnus albacares*) in the Andaman and Nicobar waters based on the length frequency data (A.B. Kar, L. Ramalingam, K. Govindaraj and G.V.A. Prasad)
    - IOTC–2012–WPTT14–31: Determining an appropriate tag mixing period for the Indian Ocean yellowfin tuna stock assessment (A. Langley and J. Million)
  - 9.3 Data for input into stock assessments:
    - Catch and effort
    - Catch at size
    - Growth curves and age-length key
    - Catch at age
    - CPUE indices and standardised CPUE indices
    - Tagging data
    - IOTC–2012–WPTT14–32 Rev\_1: Application of the Brownie-Petersen method for estimating mortality rates and abundance to Indian Ocean yellowfin tuna tag-recapture and catch data (P. Eveson, J. Million and M. Herrera)
    - IOTC–2012–WPTT14–33 Rev\_1: Decomposing purse seine CPUEs to estimate an abundance index for yellowfin free-swimming schools in the Indian Ocean during 1981–2011 (E. Chassot, L. Dubroca, A. Delgado de Molina, C. Assan, M. Soto, L. Floch and A. Fonteneau)
    - IOTC–2012–WPTT14–34 Rev\_1: CPUE standardization for yellowfin tuna caught by Korean tuna longline fisheries in the Indian Ocean (1978–2011) (S.I. Lee, Z.G. Kim, M.K. Lee, D.W. Lee and T. Nishida)
    - IOTC–2012–WPTT14–35 Rev\_1: Japanese longline CPUE for yellowfin tuna in the Indian Ocean up to 2011 standardized by general linear model (T. Matsumoto, H. Okamoto and T. Kitakado)
    - IOTC–2012–WPTT14–36 Rev\_2: CPUE standardizations for yellowfin tuna caught by Taiwanese [Taiwan,China] longline fishery in the Indian Ocean using generalized linear model (Y.-M. Yeh and S.-T. Chang)
    - IOTC–2012–WPTT14–37: An investigation of the sensitivity of the Indian Ocean MFCL yellowfin tuna stock assessment to key model assumptions (A. Langley)
  - 9.4 Stock assessments
    - IOTC–2012–WPTT14–38: Stock assessment of yellowfin tuna in the Indian Ocean using MULTIFAN-CL (A. Langley, M. Herrera and J. Million)
    - IOTC–2012–WPTT14–39: Preliminary stock assessment of yellowfin tuna in the Indian Ocean using SS3 (H. Ijima, K. Sato, T. Matsumoto, T. Nishida and T. Kitakado)
    - IOTC–2012–WPTT14–40 Rev\_2: Stock and risk assessments on yellowfin tuna (*Thunnus albacares*) in the Indian Ocean based on AD Model Builder implemented Age-Structured Production Model (ASPM) and Kobe I + II software (T. Nishida, R. Rademeyer, H. Ijima, K. Sato, T. Matsumoto, T. Kitakado and A. Fonteneau)
  - 9.5 Selection of Stock Status indicators
  - 9.6 Development of technical advice on the status of yellowfin tuna
- 10. ANALYSIS OF TAGGING DATA**
  - IOTC–2012–WPTT14–41: Preliminary assessments of tuna mortality rates from a Bayesian Brownie-Petersen model (N. Bousquet, E. Dortel, E. Chassot, J. Million, P. Eveson and J.-P. Hallier)

**11. ANALYSIS OF THE TIME-AREA CLOSURES (including Resolution 12/13)**

**12. EFFECT OF PIRACY ON TROPICAL TUNA CATCHES**

**13. RESEARCH RECOMMENDATIONS AND PRIORITIES**

- 13.1 Revision of the WPTT work plan

**14. OTHER BUSINESS**

- 14.1 Review of the '*Guidelines for the Presentation of Stock Assessment Models*'
- 14.2 Development of priorities for an Invited Expert at the next WPTT meeting
- 14.3 Date and place of the Fifteenth Session of the WPTT
- 14.4 Election of a Chairperson of the WPTT for the next biennium
- 14.5 Review of the draft, and adoption of the Report of the Fourteenth Session of the WPTT