

## DRAFT: REPORT OF THE SECRETARIAT – ACTIVITES IN SUPPORT OF THE IOTC SCIENCE PROCESS IN 2015

PREPARED BY: IOTC SECRETARIAT, 9 AND 19 NOVEMBER 2015

### PURPOSE

1. To inform the Scientific Committee (SC) of work undertaken by the IOTC Secretariat in 2015 in support of the IOTC Science process, endorsed by the Commission.

### DISCUSSION

#### *Staffing*

2. Fishery Officer (Data Coordinator): Mr Miguel Herrera departed the IOTC Secretariat in March 2015
3. Fishery Officer (Stock Assessment): Dr Rishi Sharma departed the IOTC Secretariat in September 2015

#### *IOTC meetings – Working parties*

4. In 2015, six (6) Working Party meetings were organised and facilitated by the IOTC Secretariat ([Table 1](#)). The current Chairs and Vice-Chairs for each Committee and Working Party are provided at [Appendix I](#).
5. [Appendix II](#) lists the documents produced by the IOTC Secretariat in support of Working Party meetings held in 2015. In addition, the IOTC Secretariat produced revised Executive Summaries for all of the IOTC stocks, as well as for sharks, seabirds and marine turtles in association with various experts, totalling 25 Executive Summaries.
6. The IOTC Secretariat facilitated the participation of invited experts that were selected to attend each of the Working Party meetings in 2015. The names and affiliations of each of the Invited Experts are provided in [Table 2](#).

**Table 2.** Invited Experts for Working Party meetings in 2015.

Working Party	Date and place	Name	Affiliation
Neritic Tunas	26–29 May, Zanzibar, Tanzania	Dr. Shiji Zhou	CSIRO, <b>Australia</b>
Temperate Tunas	Nil	Nil	Nil
Billfish	1–5 September, Olhão, Portugal	Dr. Humber Andrade	Universidade Federal Rural de Pernambuco, <b>Brazil</b>
Ecosystems and Bycatch	7–11 September, Olhão, Portugal	Dr. Humber Andrade	Universidade Federal Rural de Pernambuco, <b>Brazil</b>
Methods	19–21 October, Montpellier, France	Nil	Nil
Data Collection and Statistics	22 October, Montpellier, France	Nil	Nil
Tropical Tunas	23–28 October, Montpellier, France	Dr. Simon Hoyle	Independent consultant, <b>New Zealand</b>

#### *IOTC meetings – Meeting Participation Fund*

7. The IOTC Meeting Participation Fund (MPF) was utilised for the indicated scientific meetings and/or Working Parties indicated in [Table 1](#). Noting that the intention of the MPF was to utilise the funds, as a first priority, to support the participation of scientists from developing Members in scientific meetings of the IOTC, including Working Parties, in 2015, the Secretariat facilitated the participation of 40 individuals from developing Members of the IOTC to the six (6) working Party meetings held in 2015 as detailed in [Table 1](#). The total level of participation (including the Scientific Committee) by MPF recipients increased in 2015 (53) from those in 2014 (50) in 2014, down from 58 in 2013 (46 in 2012, 33 in 2011 and 19 in 2010) ([Table 1](#)).

*Science to management workshops*

8. The IOTC organised one workshop on connecting the IOTC Science and Management processes in 2015 in Bangkok, Thailand from the 10–12 February 2015. Financed by Thailand, BOBLME, IOTC and the Australian Government. A total of 31 participants attended the workshop.
9. The aims of the workshop series is to:
  - improve the level of comprehension among IOTC Members on how the scientific process informs the management of IOTC species and ecosystems
  - increase the awareness of IOTC Members to their obligations, as stipulated in the Commissions' Conservation and Management Measures which are based on rigorous scientific advice
  - Improve the decision making process within the IOTC.
  - The workshop covered the following core topics:
    - Structure and functioning of the IOTC
    - Current status of IOTC stocks
    - Communicating IOTC science to managers
    - Lessons to be learnt from other fisheries management structures
    - How to interpret science advice as a manager
    - Country level implications arising from stock assessment results and management options analyses
    - How use the IOTC scientific advice and draft possible conservation and Management measures
    - Implications of current Conservation and Management Measures for CPCs
    - Negotiations within the Commission
    - Effects of poor compliance with IOTC requirements on the provision of scientific advice and management.

**Table 1.** Scientific Meetings held in 2015, prior to the 18<sup>th</sup> Session of the IOTC Scientific Committee meeting. Numbers in brackets represent numbers for the previous working party meeting. \*2008

Working Party	Date and place of most recent meeting	No. of participants						Meeting Participation Fund						No. of documents (and for the previous meeting)
		2010	2011	2012	2013	2014	2015	2010	2011	2012	2013	2014	2015	
Neritic Tunas	26–29 May, Zanzibar, Tanzania	–	28	35	42	37	31	–	9 <sup>1</sup>	10	11	13	9	Total: 32 (36) Working papers: 29 (34) Information papers: 3 (2)
Temperate Tunas	Nil	15*	16	26	–	27	–	–	2	3	–	3	–	Total : 30 (28) Working papers : 26 (19) Information papers : 4 (9)
Billfish	1–5 September, Olhão, Portugal	12	27	23	24	21	23	0	5	5	10	4	9 <sup>2</sup>	Total: 40 (29) Working papers: 32 (37) Information papers: 8 (2)
Ecosystems and Bycatch	7–11 September, Olhão, Portugal	37	49	48	32	37	38	9 <sup>3</sup>	7 <sup>4</sup>	7	11	5	8 <sup>5</sup>	Total: 64 (61) Working papers: 52 (34) Information papers: 12 (27)
Methods	19–21 October, Montpellier, France	18*	–	22	–	34	26	–	–	1	–	3 <sup>6</sup>	6 <sup>7</sup>	Total: 24 (15) Working papers: 14 (4) Information papers: 10 (11)
Data Collection and Statistics	22 December October, Montpellier, France	28	21	–	23	30	20	–	2	–	5	1	4	Total: 17 (23) Working papers: 11 (14) Information papers: 6 (9)
Tropical Tunas	23–28 October, Montpellier, France	39	49	47	46	53	44	11	13	8	10	6	6	Total: 46 (57) Working papers: 37 (42) Information papers: 9 (15)
Scientific Committee	23–27 November, Bali, Indonesia	41	50	54	75	62	TBA	7	10	12	11	15	13	Working papers: 14 (17) Executive Summaries: 25 Information papers: 1 (15)

<sup>1</sup> Another 7 scientists were supported by IOTC through the Capacity Building funds as they were also attending the capacity building workshop in Chennai, India (WPNT01)

<sup>2</sup> 2 scientists attended both the WPB and WPEB;

<sup>3</sup> 6 scientists attended both the WPTT and WPEB

<sup>4</sup> 3 scientists attended both the WPTT and WPEB

<sup>5</sup> 2 scientists attended both the WPB and WPEB

<sup>6</sup> 3 scientists attended both the WPM and SC

<sup>7</sup> Funded by the ABNJ tuna project

***Data-related activities – General***

10. A large proportion of the Data Section staff time is devoted to the acquisition and editing of the data required under the IOTC Resolutions. These data are utilised in monitoring compliance or in scientific analyses necessary for the assessment of the status of stocks. The IOTC databases are constantly revised and updated.
11. Integrated IOTC database: Due to limited staff resources at the IOTC Secretariat in 2013, 2014 and 2015, a decision was made to hire a consultant (fisheries systems designer) to assist with the development of the new IOTC Integrated Tuna Database. Work on the migration of data to the new IOTC database began in June 2015, with completion of the main components of the new IOTC database scheduled for completion in January 2016.
12. The regular suite of datasets have been supplied for all scientists engaged in stock assessment activities and reports on status of IOTC databases produced for relevant Working Parties and SC, and for the preparation of the Country Reports of the Compliance Committee. In addition to the standard fishery datasets, the IOTC Secretariat has updated the tagging datasets to incorporate new information.

***Data-related activities – Capacity building and other initiatives***

13. The IOTC Secretariat continues to facilitate or provide direct support to developing coastal states using funds from the IOTC capacity building budget or other collaborating agencies. In particular, the OFCF has provided resources and advice for the strengthening of data collection systems in more than 20 countries in the region since its inception in 2002. The IOTC Secretariat has also cooperated with COI-SmartFish, the BOBLME Project, the ABNJ Project, the ISSF, and other initiatives in recent years in the coordination and execution of capacity building activities in developing coastal states of the Indian Ocean. In addition, the IOTC Secretariat is also working collaboratively with CMS, IOSEA, NOAA, WWF-Pakistan and WWF-USA on capacity building activities to support the implementation of the Regional Observer Scheme in developing coastal states.
14. Following is a summary of the capacity building activities undertaken since the end of SC17<sup>8</sup>:
  - a) Support to data collection and data management activities in Sri Lanka
  - b) Workshop to support implementation of the ROS in Sri Lanka
  - c) Indonesia pilot sampling of coastal fisheries in West Sumatra and North Sumatra (continuation of activities from 2014)
  - d) Indonesia catch estimation workshop (coastal fisheries)
  - e) Data mining neritic tuna in Thailand: follow-up mission
  - f) Data compliance and support mission to Mozambique
  - g) Support to the implementation of the IOTC Regional Observer Scheme in Oman, I.R. Iran and Pakistan: Regional Workshop
15. Below is a non-exhaustive (provisional) list of the capacity building activities planned for 2016<sup>9</sup>:
  - a) IOTC data compliance and support missions
  - b) Support to albacore size frequency sampling in Mauritius
  - c) Support to the implementation of the IOTC Regional Observer Scheme in Thailand (TBC)
  - d) Regional Observer Scheme E-Reporting tool
  - e) Assistance in Catch Assessment Survey of artisanal fisheries in Kenya

**Table 3. Missions of staff from the IOTC Secretariat during 2015 in relation to capacity building activities in the Indian Ocean.**

Country	Date	Staff	Description
Sri Lanka	Feb 2015	IOTC Fisheries Statistician IOTC Fisheries Officer	Support to data collection and data management activities in Sri Lanka; Workshop to support implementation of the ROS in Sri Lanka
Thailand	June 2015	IOTC Fisheries Statistician IOTC-OCF Project Manager	Indonesia pilot sampling monitoring activities (North and West Sumatra)

<sup>8</sup> For more information on these activities refer to: IOTC capacity building activities in support of developing coastal IOTC CPCs: 2015 activities. IOTC–2015–WPDCS11–08, or email: [secretariat@iotc.org](mailto:secretariat@iotc.org).

<sup>9</sup> Ditto 5

Mozambique	June 2015	IOTC Data Assistant	Data compliance mission
Thailand	June 2015	IOTC Fisheries Statistician	Data mining neritic tuna in Thailand: follow-up mission
Oman	Oct 2015	IOTC Fisheries Officer	Workshop to support implementation of the ROS in Oman, I.R. Iran and Pakistan
Indonesia	Nov 2015	IOTC Fisheries Statistician IOTC Data Assistant	Technical assistance mission: reporting of catch-and-effort, size data and Regional Observer data
Indonesia	Dec 2015	IOTC-OFCF Project Manager IOTC Fisheries Statistician IOTC-OFCF Project Manager	Indonesia pilot sampling: project evaluation and catch estimation workshop

### *Other data activities (2015)*

16. CLAV: The IOTC Secretariat is responsible for the coordination of activities concerning the global Consolidated List of Authorized Vessels (CLAV), a regularly updated list including the authorized vessels of the five t-RFMOs. Collaboration between the IOTC Secretariat and FAO-FIPS continued in 2015. In 2015, the CLAV has been further enhanced using funds from a Global Environmental Facility Project on Sustainable Management of Tuna Fisheries and Biodiversity: Conservation in the Areas Beyond National Jurisdiction (ABNJ). The main objective of the CLAV component of the Project is ensuring that updates of the CLAV occur in as close-to real time as possible in the future.
17. Regional Observer Scheme: In 2015 a project proposal was developed to support the collection, reporting and management of data under the IOTC Regional Observer Scheme. This includes the development of an electronic reporting interface and database, integrated with the new IOTC database system, and is due to start in early 2016. This project has been developed in collaboration with WWF, and will be jointly funded by the EU and NOAA.

### *Stock assessment consultants*

18. Blue shark: Following the recommendation of the Working Party on Ecosystems and Bycatch in 2014, which was endorsed by the Scientific Committee at its 17<sup>th</sup> Session, a Stock Assessment consultant (Dr. Joel Rice) was hired to conduct stock assessment analyses on blue shark.
19. Yellowfin tuna: Following the recommendation of the Working Party on Tropical Tunas in 2014, which was endorsed by the Scientific Committee at its 17<sup>th</sup> Session, a Stock Assessment consultant (Mr. Adam Langley) was hired again to conduct stock assessment analyses on yellowfin tuna.
20. In addition, a follow-up to the first CPUE workshop in 2013 was facilitated by a stock assessment consultant (Dr. Simon Hoyle), funded by ISSF, to address contrary signals of abundance noted for the major tropical species between Taiwan, China and Japan. The stock assessment consultant worked closely with the two fleet scientists to understand and resolve the inconsistencies between the two fleets; two papers on the results of the workshop were presented at WPTT17.

### *IOTC publications and information products*

#### **Documents**

21. In 2015, the Secretariat produced 59 (61 in 2014, 51 in 2013, 49 in 2012) papers/reports ([Appendix II](#)) in support of the IOTC Science process, not including the reports of the various working parties (6) or the Executive Summaries (25).

#### **IOTC Website**

22. The IOTC website continues to be a portal for communicating science related information to a variety of audiences. The Secretariat has completed the development of a new website, as requested by the Commission. New additions to the website in 2015 include:
- **Stock assessment:** Input and output files for yellowfin tuna stock assessments.
  - **Species ID guides:** translated versions are being made available online, as they are produced
  - **Online data querying service:** was launched in 2015, as a first phase in providing users with additional flexibility to query and download custom datasets for nominal catch and fishing craft statistics. Additional functionality and datasets will be added in due course as part of the continued development of the IOTC website.

#### **Identification cards – sharks, seabirds, marine turtles, billfish and tunas**

23. A summary of priority languages and species groups for translation and printing as identified by the SC16 and SC17 is provided in [Table 3](#).

**Table 3.** Summary of priority languages and species groups for translation and printing as identified by the SC16 and SC17.

Language	1. Tuna & like	2. Billfish	3. Turtles	4. Sharks and rays	5. Seabirds
Farsi	2	1	1	1	1
Arabic	2	2	2	2	2
Urdu	4				
Bahasa Indonesian	1	3	5	5	5
Swahili		4			
Spanish		5	3	3	3
Portuguese		6	4	4	4
Thai		7			
Sinhala	3	8			
Tamil		8			
Bahasa Malaysia	1				
Hindi	3				

24. Progress made to date includes:

- Translation of IOTC species ID guides into Farsi has already been completed for sharks and turtles. Other species are underway and all are due to be printed shortly (IOTC, IFO and WWF-Pakistan)
- Translation of IOTC species ID guides into Arabic has been completed for tuna and tuna-like species and translation of the others is currently underway. These are all due to be printed shortly (IOTC and WWF-Pakistan)
- Translation and printing of tuna, billfish, turtles and shark ID guides into Urdu is complete (WWF-Pakistan)
- Translation and printing of tuna and billfish ID guides into Bahasa Indonesian is complete (OFCF)
- Translation of turtle ID guides into Bahasa Indonesian and Spanish is complete, however, funding for printing is still to be identified (IOSEA)
- Translation of tuna and tuna-like species ID guides into Hindi is complete and printing is due to take place shortly (CMFRI and IOTC)
- Translation and printing of all IOTC species ID guides into Portuguese is underway (WWF-Mozambique, OFCF)
- Translation and printing of all IOTC species ID guides into Maldivian is underway (Ministry of Fisheries and Agriculture, Maldives)

#### RECOMMENDATION

That the Scientific Committee **NOTE** paper IOTC–2015–SC18–05 which provides the report of the IOTC Secretariat for 2015, including the updates provided on the Recommendations and Requests directed to the IOTC Secretariat for implementation in 2015.

#### APPENDICES

**Appendix I:** [List of Chairs, Vice-Chairs and their respective terms for IOTC Science meetings.](#)

**Appendix II:** [Papers from the IOTC Secretariat \(or co-authorship\) submitted to the IOTC Working Parties or Scientific Committee in 2015.](#)

## APPENDIX I

## List of Chairs, Vice-Chairs and their respective terms for the IOTC Scientific Committee and its subsidiary bodies

Group	Chair/Vice-Chair	Chair	CPC/Affiliation	1 <sup>st</sup> Term commencement date	Term expiration date (End date is until replacement is elected)	Comments
SC	Chair	Dr Tsutomu Nishida	Japan	17-Dec-11	End of SC in 2015	2 <sup>nd</sup> term
	Vice-Chair	Mr Jan Robinson	Seychelles	17-Dec-11	End of SC in 2015	2 <sup>nd</sup> term
WPB	Chair	Dr Tsutomu Nishida	Japan	05-Sept-15	End of WPB in 2017	1 <sup>st</sup> term
	Vice-Chair	Dr Evgeny Romanov	EU,France	05-Sep-15	End of WPB in 2017	1 <sup>st</sup> term
WPTmT	Chair	Dr Zang Geun Kim	Korea, Rep. of	22-Sep-11	End of WPTmT in 2016	2 <sup>nd</sup> term
	Vice-Chair	Dr Takayuki Matsumoto	Japan	06-Sep-12	End of WPTmT in 2016	2 <sup>nd</sup> term
WPTT	Chair	Dr Shiham Adam	Maldives, Rep. of	19-Nov-14	End of WPTT in 2016	1 <sup>st</sup> term
	Vice-Chair	Dr Gorka Merino	EU,Spain	19-Nov-14	End of WPTT in 2016	1 <sup>st</sup> term
WPEB	Chair	Dr Rui Coelho	EU,Portugal	16-Sept-13	End of WPEB in 2017	2 <sup>nd</sup> term
	Vice-Chair	Dr Reza Sharifar; Dr Ross Wanless	I.R. Iran / South Africa	11-Sept-15	End of WPEB in 2017	1 <sup>st</sup> term
WPNT	Chair	Dr Farhad Kaymaram	I.R. Iran	29-May-15	End of WPNT in 2017	1 <sup>st</sup> term
	Vice-Chair	Dr Mathias Igulu	Tanzania	29-May-15	End of WPNT in 2017	1 <sup>st</sup> term
WPDCS	Chair	Dr Emmanuel Chassot	EU,France	02-Dec-14	End of WPDCS in 2017	2 <sup>nd</sup> term
	Vice-Chair	Mr Stephen Ndegwa	Kenya	22-Oct-15	End of WPDCS in 2016	1 <sup>st</sup> term
WPM	Chair	Dr Toshihide Kitakado	Japan	21-Oct-15	End of WPM in 2017	1 <sup>st</sup> term
	Vice-Chair	Dr Iago Mosqueira	EU,Spain	21-Oct-15	End of WPM in 2017	1 <sup>st</sup> term

## APPENDIX II

## Papers from the IOTC Secretariat (or co-authorship) submitted to the IOTC Working Parties or Scientific Committee in 2015

Document number	Title
<i>5<sup>th</sup> Session of the IOTC Working Party on Neritic Tunas</i>	
IOTC–2015–WPNT05–03	Outcomes of the 17 <sup>th</sup> Session of the Scientific Committee (IOTC Secretariat)
IOTC–2015–WPNT05–04	Outcomes of the 19 <sup>th</sup> Session of the Commission (IOTC Secretariat)
IOTC–2015–WPNT05–05	Review of current Conservation and Management Measures relating to neritic tuna species (IOTC Secretariat)
IOTC–2015–WPNT05–06	Progress made on the recommendations of WPNT04 (IOTC Secretariat)
IOTC–2015–WPNT05–07 Rev_1	Review of the statistical data available for the neritic tuna species (IOTC Secretariat)
IOTC–2015–WPNT05–08	Revision of the WPNT Program of Work (2016–2020) (IOTC Secretariat)
IOTC–2015–WPNT05–20 Rev_1	Indian Ocean Kawakawa tuna stock assessment 1950 – 2013 (Stock Synthesis) (IOTC Secretariat)
IOTC–2015–WPNT05–21	Assessment of Indian Ocean kawakawa ( <i>Euthynnus affinis</i> ) using data poor catch-based methods (IOTC Secretariat)
IOTC–2015–WPNT05–22	Assessment of Indian Ocean longtail tuna ( <i>Thunnus tonggol</i> ) using data poor catch-based methods (IOTC Secretariat)
IOTC–2015–WPNT05–23	Assessment of Indian Ocean narrow-barred Spanish mackerel ( <i>Scomberomorus commerson</i> ) using data poor catch-based methods (IOTC Secretariat)
IOTC–2015–WPNT05–24	Assessment of Indian Ocean Indo-Pacific king mackerel ( <i>Scomberomorus guttatus</i> ) using data poor catch-based methods (IOTC Secretariat)
<i>13<sup>th</sup> Session of the IOTC Working Party on Billfish</i>	
IOTC–2015–WPB13–03	Outcomes of the 17 <sup>th</sup> Session of the Scientific Committee (IOTC Secretariat)
IOTC–2015–WPB13–04 Rev_1	Outcomes of the 19 <sup>th</sup> Session of the Commission (IOTC Secretariat)
IOTC–2015–WPB13–05	Review of Conservation and Management Measures relevant to billfish (IOTC Secretariat)
IOTC–2015–WPB13–06 Rev_1	Progress made on the recommendations and requests of WPB12 and SC17 (IOTC Secretariat)
IOTC–2015–WPB13–07	Review of the statistical data and fishery trends for billfish (IOTC Secretariat)
IOTC–2015–WPB13–08 Rev_1	Revision of the WPB Program of Work (2016–2020) (Chair & IOTC Secretariat)
IOTC–2015–WPB13–09	DRAFT: Development of options for alternative management measures (including closures) for billfish in the IOTC area of competence (IOTC Secretariat)
IOTC–2015–WPB13–18	Indian Ocean striped marlin assessment based on the CPUE indices derived from the Japanese and Taiwanese longline fleets (IOTC Secretariat)
IOTC–2015–WPB13–28	Stock assessment of Indo-Pacific sailfish in the Indian Ocean (IOTC Secretariat)
<i>11<sup>th</sup> Session of the Working Party on Ecosystems and Bycatch</i>	
IOTC–2015–WPEB11–03	Outcomes of the 17 <sup>th</sup> Session of the Scientific Committee (IOTC Secretariat)
IOTC–2015–WPEB11–04	Outcomes of the 19 <sup>th</sup> Session of the Commission (IOTC Secretariat)
IOTC–2015–WPEB11–05	Review of Conservation and Management Measures relevant to ecosystems and bycatch (IOTC Secretariat)
IOTC–2015–WPEB11–06	Progress made on the recommendations and requests of WPEB10 and SC17 (IOTC Secretariat)
IOTC–2015–WPEB11–07 Rev_1	Review of the statistical data and fishery trends for bycatch species (IOTC Secretariat)
IOTC–2015–WPEB11–08	Update on the implementation of the IOTC Regional Observer Scheme (IOTC Secretariat)
IOTC–2015–WPEB11–09 Rev_1	Status of development and implementation of National Plans of Action for seabirds and sharks, and implementation of the FAO guidelines to reduce marine turtle mortality in fishing operations (IOTC Secretariat)
IOTC–2015–WPEB11–10	Revision of the WPEB Program of Work (2016–2020) (IOTC Secretariat)
IOTC–2015–WPEB11–28	Stock assessment blue shark ( <i>Pirouca glauca</i> ) in the Indian Ocean using Stock Synthesis (Rice J & IOTC Secretariat)
IOTC–2015–WPEB11–32	Analysis of marine turtle mitigation measure effectiveness in tuna longline fisheries (Clarke S, Nicol S, Swimmer Y & IOTC Secretariat)



IOTC–2015–WPEB11–49 Stock assessment of blue shark (*Prionce glauca*) in the Indian Ocean (IOTC Secretariat)

**17<sup>th</sup> Session of the Working Party on Tropical Tunas**

IOTC–2015–WPTT17–03 Outcomes of the 17<sup>th</sup> Session of the Scientific Committee (IOTC Secretariat)  
 IOTC–2015–WPTT17–04 Outcomes of the 19<sup>th</sup> Session of the Commission (IOTC Secretariat)  
 IOTC–2015–WPTT17–05 Review of Conservation and Management Measures relevant to tropical tunas (IOTC Secretariat)  
 IOTC–2015–WPTT17–06 Progress made on the recommendations of WPTT16 (IOTC Secretariat)  
 IOTC–2015–WPTT17–07 Review of the statistical data and fishery trends for tropical tunas (IOTC Secretariat)  
 IOTC–2015–WPTT17–08 Revision of the WPTT Program of Work (2016–2020) (IOTC Secretariat)

**11<sup>th</sup> Working Party on Data Collection and Statistics**

IOTC–2015–WPDCS11–03 Outcomes of the 17<sup>th</sup> Session of the Scientific Committee (IOTC Secretariat)  
 IOTC–2015–WPDCS11–04 Outcomes of the 19<sup>th</sup> Session of the Commission (IOTC Secretariat)  
 IOTC–2015–WPDCS11–05 Review of current Conservation and Management Measures relating to the WPDCS (IOTC Secretariat)  
 IOTC–2015–WPDCS11–06 Rev\_1 Progress made on the recommendations of WPDCS10 (IOTC Secretariat)  
 IOTC–2015–WPDCS11–07 Rev\_1 Report on IOTC Data Collection and Statistics (IOTC Secretariat)  
 IOTC–2015–WPDCS11–08 IOTC capacity building activities in support of developing coastal IOTC CPCs (IOTC Secretariat)  
 IOTC–2015–WPDCS11–09 Revision of the WPDCS Program of Work (2016–2020) (IOTC Secretariat, Chairperson & Vice-Chairperson)

**6<sup>th</sup> Working Party on Methods**

IOTC–2015–WPM06–03 Outcomes of the 17<sup>th</sup> Session of the Scientific Committee (IOTC Secretariat)  
 IOTC–2015–WPM06–04 Outcomes of the 19<sup>th</sup> Session of the Commission (IOTC Secretariat)  
 IOTC–2015–WPM06–05 Review of Conservation and Management Measures relating to methods (IOTC Secretariat)  
 IOTC–2015–WPM06–06 Progress on the recommendations of WPM05 (IOTC Secretariat & Chair)  
 IOTC–2015–WPM06–07 Revision of the WPM Program of Work (2016–2020) (IOTC Secretariat, Chairperson & Vice-Chairperson)

**18<sup>th</sup> Session of the Scientific Committee**

IOTC–2015–SC18–03 Outcomes of the 19<sup>th</sup> Session of the Commission (IOTC Secretariat)  
 IOTC–2015–SC18–04 Previous decisions of the Commission (IOTC Secretariat)  
 IOTC–2015–SC18–05 Report of the Secretariat – Activities in support of the IOTC science process in 2015 (IOTC Secretariat)  
 IOTC–2015–SC18–06 Status of development and implementation of national plans of action for seabirds and sharks, and implementation of the FAO guidelines to reduce marine turtle mortality in fishing operations (IOTC Secretariat)  
 IOTC–2015–SC18–07 2015: Update on the implementation of the regional observer scheme (IOTC Secretariat)  
 IOTC–2015–SC18–08 2015: Update on progress regarding Resolution 09/01 – on the performance review follow-up (IOTC Secretariat)  
 IOTC–2015–SC18–09 Revision of the program of work (2016–2020) for the IOTC science process (IOTC Secretariat)  
 IOTC–2015–SC18–10 Proposed schedule of Working Party and Scientific Committee meetings for 2016 and 2017 (IOTC Secretariat)  
 IOTC–2015–SC18–11 Development of harmonised ‘Terms and Definitions’ for the IOTC’s compendium of Conservation and Management Measures (CMMs): Science (IOTC Secretariat)  
 IOTC–2015–SC18–12 IOTC species executive summaries: target audience, content and resourcing (IOTC Secretariat)