REPORT OF THE IOTC SECRETARIAT ON THE YEAR 2018

Prepared by: IOTC Secretariat

PURPOSE OF THIS DOCUMENT

To inform the Standing Committee on Administration and Finance (SCAF) about the activities undertaken by the IOTC Secretariat in 2018. A list of acronyms is provided in Appendix3.

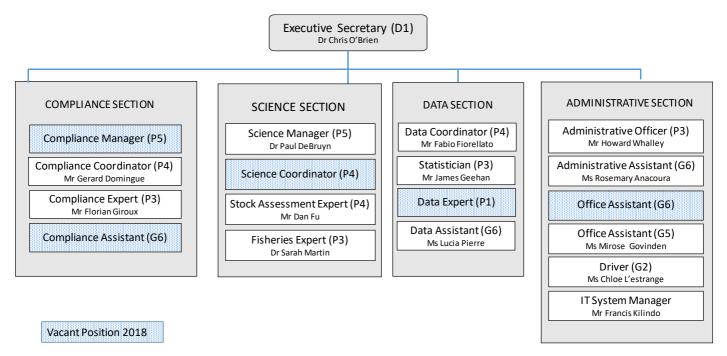## TABLE OF CONTENTS

1.   MEMBERSHIP OF THE IOTC

1. **Contracting Parties**: In 2018, the IOTC consisted of 31 Contracting Parties: Australia, Bangladesh, China, Comoros, Eritrea, European Union, France (OT), India, Indonesia, Iran (Islamic Rep. of), Japan, Kenya, Korea (Rep. of), Madagascar, Malaysia, Maldives, Mauritius, Mozambique, Oman, Pakistan, Philippines, Seychelles, , Sierra Leone, Somalia, South Africa, Sri Lanka, Sudan, Tanzania (United Rep. of), Thailand, United Kingdom (OT) and Yemen.

2. Bangladesh became a member in 2018.

3. **Cooperating Non-Contracting Parties (CNCP)**: In 2018, there were two CNCPs to the IOTC: Liberia and Senegal.

2.   MISSION AND STAFFING OF THE IOTC SECRETARIAT

The mission of the IOTC Secretariat is:

> *"To facilitate the processes required to implement the policies and activities of the Commission, whose goal is to achieve the objectives stated in the IOTC Agreement."*

4. In essence, these processes include the acquisition, processing and dissemination of information that constitutes the basis for informing the Commission's decisions, as well as supporting the actions taken by Contracting Parties (Members) and Cooperating Non-Contracting Parties (CNCPs) (collectively termed CPCs) to effectively implement those decisions.

5. The structure of the IOTC Secretariat in 2018 is provided in Figure 1. Note, in 2018, the Commission agreed to postpone the recruitment of the Science Coordinator.

Figure 1: IOTC staff structure 2018

Professional Staff – Recruitment activities

6. At the start of 2018, there were three vacant Professional-grade staff posts of in the IOTC Secretariat: the P5 Science Manager, the P5 Compliance Manager and the P1 Fishery Officer (Data)

7. The recruitment process for the P5 Science Manager began in late 2017 and Dr Paul DeBruyn commenced on 1 June 2018.

8. The recruitment of the P1 Fishery Officer was completed in the second half of 2018. Ms Cynthia Fernandez Diaz commenced in January 2019.

9. The recruitment process, including interviews, for the P5 Compliance Manager was concluded in the first half of 2018; however, FAO did not accept the outcomes of the process because the shortlist of candidates apparently

did not meet its current geographical and gender requirements. The original vacancy announcement attracted 44 applicants from 27 countries, including 10 women. The recruitment process for the Compliance Manager will be reinitiated in 2019.

General Service Staff – Recruitment activities

10. The selection processes for the G5/G6 Office Assistants were completed in 2018. A request was sent to FAO HQ to endorse the selection but the recruitment was not completed within the year and at the end of 2018 was still pending approval (now approved).

11. The G6 Compliance Assistant post is still vacant after a failed recruitment process because of a very low response level from local applicants. It is proving to be very difficult to attract local staff with the necessary qualifications and experience for this post and the new P1 Fishery Officer is working across both the compliance and data sections.

12. There was a UN salary increase of approximately 27% applied to GS salaries in Seychelles in 2018, as a result of a periodic UN salary survey / reference check. Although this has increased the remuneration package for local staff, attracting and retaining General Service staff remains a major challenge.

3.   FUNCTIONAL AREAS OF WORK

13. To facilitate accountability, the activities of the IOTC Secretariat in 2018 have been grouped into six major functional areas which reflect the '*Program of work and budget'* approved by the Commission at its 22nd Session in 2018, as follows:

1. **Support to scientific activities**: The acquisition and processing of scientific data, as required by the Scientific Committee to conduct stock status analyses. Supply of stock assessment services as required by the working groups.
2. **Support to compliance activities**: Maintenance of lists of vessels and compliance databases, reporting on compliance by Contracting Parties and Cooperating Non-Contracting Parties (CPCs). Providing support to CPCs in the implementation of IOTC Resolutions.
3. **Communications and public information**: Considered essential in allowing CPCs to follow the progress of the Commission's work in a transparent way, and to increase the visibility of the Commission's activities to the general public.
4. **Support to meetings**: Logistic support in the facilitation of meetings, preparation of reports and maintenance of the meetings calendar
5. **Information Technology**: Provide basic computer infrastructure, including maintenance of the network and servers, as well as Internet support.
6. **Administration**: Financial administration in conjunction with FAO, administration of extra-budgetary funds, travel arrangements, general logistical support to the activities of the technical sections.

FUNCTIONAL AREA 3.1 SUPPORT TO SCIENTIFIC ACTIVITIES

14. The IOTC Secretariat's scientific support services area was staffed as follows:
- Science Manager (P5) *(from June 2018)*
- Fishery Officer (Stock Assessment) (P4)
- Fishery Officer (Data Coordinator) (P4)
- Fishery Officer (Statistics) (P3)
- Fishery Officer (Science) (P3)

The role of the IOTC Secretariat in technical matters

15. The IOTC Secretariat currently provides the following services to the scientific processes of the Commission:
    - Advice and training in data collection;
    - Advice and training on stock assessment methods;
    - Advice, management and coordination of a limited range of scientific activities (e.g. previously tagging; CPUE standardisation);
    - Preparation and provision of summary mandatory fisheries statistics for use by CPCs for research and the production of stock assessments (e.g. catch at size and catch at age);
    - Preparation and reporting on the status of the IOTC databases to Working Parties;
    - Drafting of species Executives Summaries;
    - Drafting and production of the Working Party and Scientific Committee reports;
    - Organisation of the Working Parties and Scientific Committee;
    - Preparation of background documents for the Working Parties and the Scientific Committee;
    - Stock assessments on species as determined by the Scientific Committee.

IOTC scientific meetings – Working Parties & Scientific Committee

16. In 2018, seven Working Party, one TCMP and one Scientific Committee meetings were organised and facilitated by the IOTC Secretariat (Table 1). A total of three external experts were supported to contribute to three of the meetings. The current Chairs and Vice-Chairs for each Committee and Working Party are provided in Appendix 1.

17. Appendix 2 lists the documents produced by the IOTC Secretariat in support of the scientific meetings held in 2018. 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.

Science activities (2018)

18. Neritic tuna CPUE standardisation workshop: Due to the limited availability of data, the management advice for neritic tunas has been based on catch-only methods. In August 2018 a training workshop was held during the WPNT08 to support scientists in the analysis of neritic tuna datasets, specifically in the development of standardised CPUE series to contribute to future assessments of neritic species. The full workshop report is available in IOTC-2018-WPNT08-R.

19. IOTC Species ID guides: Work is ongoing to translate, typeset, format and print the IOTC Species ID guides into the priority languages identified by the SC. The current set of identification guides available is provided here: www.iotc.org/science/species-identification-cards.

20. Cetacean ID guide: A consultant (Dr Gill Braulik) worked closely with the WPEB to develop an identification guide for cetaceans in the Indian Ocean. These have been made available on the IOTC and FAO websites (www.fao.org/documents/card/en/c/CA1893EN/) and are currently being printed in English and French. The guides have been translated into languages used by the main fleets thought to be interacting with cetaceans in the Indian Ocean: Japanese, Chinese (Mandarin and Taiwanese), French and Spanish for species names and French, Spanish, Persian, Urdu, Sinhalese and Tamil, Hindi, Bahasa Indonesian, Arabic and Swahili for the entire booklet. These are currently under review by CPC scientists.

21. Bigeye thresher shark tagging: A consortium has been established to work jointly on a tagging project for to evaluate the post-release mortality of bigeye thresher sharks and the effectiveness of the no retention measure in Resolution 12/09. Scientists are working with observers to deploy tags on sharks release according to routine practices from the fleets of Japan, Taiwan,China, EU,Portugal, EU,France and South Africa. Fifty-four pop-up archival satellite tags have been purchased and are in the process of being distributed and deployed. An update is provided in IOTC-2018-WPEB14-27.

22. Collaborative longline CPUE: A stock assessment consultant (Dr. Simon Hoyle), funded by ISSF and the IOTC regular budget, provided the results of the previously held workshop on joint CPUR analysis, to address contrary signals of abundance noted for the major tropical species between Taiwan,China, Japan, and Rep. of Korea. The consultant worked closely with scientists from the three fleets to understand and resolve the inconsistencies between the fleets; five papers on the results of developments in the collaborative CPUE were presented at WPTT20 and WPM09.

Table 2. Scientific Meetings held in 2018 and previous years. Numbers in brackets represent numbers for the previous working party meeting.

Working Party	Date and place of most recent meeting	External Expert (invited)	No. of participants									No. of documents (and for the previous meeting)
			2011	2012	2013	2014	2015	2016	2017	2018	
Neritic Tunas	21-24 August, Seychelles	Dr Shijie Zhou (CSIRO Australia) Dr Rui Coelho (IPMA, Portugal)	28	35	42	37	31	20	26	11	Total: 17 (28) Working papers: 15 (27) Information papers: 2 (1)
Temperate Tunas	18-21 July 2016, Shanghai, China		16	26	–	27	_	29	_		Total : 29 (30) Working papers : 29 (26) Information papers : 0 (4)
Billfish	4-8 September, South Africa		27	23	24	21	23	18	25	18	Total: 26 (29) Working papers: 25 (28) Information papers: 1 (1)
Ecosystems and Bycatch	10-14 September, South Africa		49	48	32	37	38	34	39	39	Total: 52 (53) Working papers: 44 (42) Information papers: 8 (11)
Methods	25-27 October, Seychelles	Dr Rishi Sharma (NOAA, USA)	–	22	–	34	26	29	28	20	Total: 21 (18) Working papers: 15 (17) Information papers: 6 (1)
Data Collection & Statistics	29 November-1 December, Seychelles		21	–	23	30	20	32	45	46	Total: 44 (33) Working papers: 37 (28) Information papers: 7(5)
Tropical Tunas	29 October-3 November, Seychelles	Dr Rishi Sharma (NOAA, USA)	49	47	46	53	44	44	49	51	Total: 49 (42) Working papers: 45 (39) Information papers: 4 (3)
Scientific Committee	3-7 December, Seychelles		50	54	75	62	71	65	63	74	Working papers: 20 (16) Executive Summaries: 26 (25) Information papers: 5 (6)
Technical Committee on Management Procedures	18-19 May, Thailand	Dr. Graham Pilling (SPC, New Caledonia)							70	76	Total: 10 (5) Working papers: 10 (5) Information papers: 0 (0)

23. Yellowfin tuna stock assessment: The IOTC stock assessment scientist carried out a stock assessment of yellowfin tuna (1950-2017) using stock synthesis III. Given the substantial uncertainties associated with the input parameters, a reference grid of 24 runs was used. This included alternative levels of steepness (0.7, 0.8 and 0.9), initial tag mortalities (10% and 27.5%), and tag lambdas (0.1 and 1) as well as two assumptions about longline CPUE; (i) down-weighted piracy period (2007-2011) and constant q (Q1) and (ii) removed piracy period with separate q estimates before and after piracy (Q2). The results indicated that the stock is currently overfished and subject to overfishing.

24. Other stock assessments carried out in 2018 were:
    a. Black marlin
    b. Striped marlin

25. Yellowfin and bigeye tuna MSE: A Stock Assessment consultant (Dale Kolody) funded by the joint ABNJ project conducted MSE for yellowfin and bigeye tuna.

26. Swordfish MSE: A workshop was held at the JRC in Italy in November 2018 to review and evaluate the OMs for the IO swordfish MSE. The workshop was attended by the stock assessment scientist as well as CPC scientists.

27. MSE workshop: The 7th IOTC MSE workshop was held in Lisbon in March 2018 to discuss and review the progress for IO yellowfin, bigeye and albacore tuna MSE work. The workshop focused on the technical aspect of the OM development and MP evaluations. The workshop also set out the workplan for the 2nd TCMP meeting.

28. Socio-economic scoping study: A consultancy has been selected and initiated work on a scoping study to assess the state of socio-economic information available for the development of indicators based on the ToRs outlined in Resolution 18/09. This project is due to be completed ahead of the Commission meeting in 2019, at which the results will be presented.

Joint tRFMO activities

29. 2018 ISSF Stock Assessment Workshop: In March 2018 the IOTC secretariat attended a workshop to Review Current t-RFMO Practices in Stock Status Determinations. This Workshop was convened by the International Seafood Sustainability Foundation (ISSF) to review different approaches currently used by tuna Regional Fisheries Management Organizations' (tRFMOs: CCSBT, IATTC, ICCAT, IOTC and WCPFC) science bodies to determine stock status and disseminate stock status information. Workshop participants from all ocean regions reviewed current methodologies, identified best practices and agreed on a set of recommendations on scientific process, stock assessment, uncertainty characterization, stock status determination and communication of scientific results to managers and stakeholders.

30. Joint tuna RFMO Management Strategy Evaluation meeting: In July 2018 the IOTC Secretariat and Chair of the SC attended a joint meeting to discuss the advancement of MSE in the various tuna RFMOs. The aim of the workshop was to provide advice and support for issues of common interested related to MSE development. The outputs of the meeting included a list of recommendations regarding MSE "best practice" as well as a glossary of terms to reduce any confusion regarding MSE discussions.

Stock assessment consultants

31. Dr. Shijie Zhou: Data poor methods and analysis of neritic tuna datasets.

32. Dr Dale Kolody: yellowfin and bigeye tuna management strategy evaluation (MSE) — co-funded by the FAO ABNJ Tuna Project.

33. Dr. Simon Hoyle: funded by ISSF and the IOTC regular budget, provided the results of the previously held workshop on joint CPUR analysis, to address contrary signals of abundance noted for the major tropical species between Taiwan,China, Japan, and Rep. of Korea. The consultant worked closely with scientists from the three fleets to understand and resolve the inconsistencies between the fleets; five papers on the results of developments in the collaborative CPUE were presented at WPTT20 and WPM09.

34. Dr Rishi Sharma – external review of the yellowfin tuna stock assessment.

Data-related activities

Data-related activities: Capacity building and other initiatives

35. 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 Overseas Fishery Cooperation Foundation of Japan (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 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 NOAA, CMS, IOSEA, WWF-Pakistan and WWF-USA on capacity building activities to support the implementation of the Regional Observer Scheme in developing coastal states.

36. Table 3 provides a summary of the main capacity building activities undertaken since the end of SC20, which can be broadly categorised into the following activities:

   a) Data compliance and support missions: aimed at facilitating improvements in the validation and reporting of core IOTC datasets to the IOTC Secretariat (i.e., nominal catches, catch-and-effort, and size data); also to assess current shortcomings concerning the collection and management of fisheries data, and to agree a plan of action with the CPC required to deliver improvements on the levels of reporting. In 2018 support has been provided to Pakistan in terms of evaluation of their crew-based data collection pilot project; while a mission originally planned for July has been postponed until December 2018.

   b) Technical assistance missions: capacity building in data collection, support for the development of national fisheries databases and statistical systems, or other issues related to fisheries data management. Examples in 2018 included continued support to Kenya and the evaluation of the Catch Assessment Survey.

   c) The IOTC-OFCF collaborative project has also been implementing a project to identify appropriate socio-economic indicators to support the integrated management of the IOTC resources and fisheries and its long-term sustainability including the social and economic aspects. The project focuses on i.) reviewing the existing information and ii.) evaluating the feasibility and utility of a Fishery Satellite Account through experimental compilations.

   d) Support for implementation of the Regional Observer Scheme and implementation of the ROS Pilot Project: capacity building activities cover a number of components, including the development of the IOTC's electronic reporting tools, and feasibility study implementing electronic monitoring systems (EMS) on small-scale fisheries. In 2018 training workshops for the e-Reporting tools were delivered to Sri Lanka and Indonesia; while procurement of EMS for 6 gillnet/longline vessels in Sri Lanka is currently being finalized, with delivery of the equipment scheduled for end-2018.

   Other data initiatives

37. Consolidated List of Authorized Vessels (CLAV): the IOTC Secretariat is responsible for the coordination of activities concerning the global CLAV, a regularly updated list including the authorized vessels of the five t-RFMOs. Collaboration between the IOTC Secretariat and FAO-FIPS continued in 2018. Since 2015, the CLAV has been further enhanced using funds from the FAO Common Oceans/ABNJ Tuna Project. 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.

38. Electronic Monitoring and Reporting Information System (E-Maris): supports automatic integration of data and information from CPCs into the IOTC Secretariat's databases, and automatic cross-referencing and reports for various obligations supporting the compliance process, and related to the provision of scientific data. The recruitment of two IT experts was launched towards the end of 2018. The development phase is expected to start in the current year.

39. Regional Observer Scheme (ROS): A full update on progress with the implementation of the ROS Pilot Project is provided in paper IOTC-2018-SC21-07. Key areas of progress this year include:

   • A project Steering Committee has been established to oversee all project components

   • A consultancy project and expert peer review workshop was held to review the standards. The outcomes are described in detail in IOTC-2018-WPDCS14-35 and IOTC-2018-WPDCS14-INF03

- A substantial amount of data have now been entered into the Regional Observer Database through the support of two consultancy projects.

- Further training in the electronic data collection and management interface has been carried out in Indonesia and Sri Lanka.

- Equipment has been procured for the Electronic Monitoring Systems for small-scale fisheries

- Funds have been secured for the development of training materials and supporting national observer schemes in six IOTC CPCs between 2019 and 2020.

FUNCTIONAL AREA 3.2 SUPPORT TO COMPLIANCE ACTIVITIES

Compliance Section Staffing

40. The IOTC Secretariat's compliance support services area was staffed by two (2) positions during 2018. These are as follows:
- Fishery Officer (Compliance Coordinator) (P4)
- Fishery Officer (Compliance Officer) (P3)

41. The post of Compliance Assistant (G6) has remained vacant for the last eighteen months due to difficulties in recruiting to the post. In late a P1 Fishery Officer was recruited and starting in 2019, she will work across both the compliance and data sections.

Role of the IOTC Secretariat in technical matters

42. The IOTC Secretariat currently provides the following services in the compliance processes of the Commission:

- Maintain all vessels' lists (Active, Authorised and IUU);

- Maintain Bigeye Tuna Statistical Document Programme (validation information and tables of import/re-export of statistics);

- Maintain the e-PSM application

- Advice and training in the implementation of CMMs (Compliance Support Mission);

- Advice and training in the implementation of PSM (Port State Measures training)

- Training on the use of a specialised application for implementing port State Measures (e-PSM application);

- Preparation and reporting on the status of compliance by CPCs;

- Drafting and production of the Workshops, Working Party and Compliance Committee reports;

- Coordinate the work of ad-hoc Working Groups (High-seas boarding and inspection and vessel monitoring system);

- Preparation of meeting documents for the Working Party and the Compliance Committee;

- Assist in the preparation of meeting documents for the Commission (compliance related activities).

- Supervise the implementation of Regional Observer Programme to monitor transhipments at sea, including dissemination of deployment reports to the fleets participating in the Programme.

43. In addition to the above listed core duties, staff of the Compliance Section supervised several projects undertaken by consultants through extra-budgetary funding, in response to work tasked to the IOTC Secretariat by the Commission.

Table 3. Missions of staff from the IOTC Secretariat during 2018 in relation with capacity building activities in the Indian Ocean.

Country	Date	Staff	Description
Science and data			
Seychelles	Mar, Jun, Aug-Sep, Nov 2018	IOTC-OFCF Project Manager	IOTC-OFCF Project implementation for experimental compilation of Fisheries Satellite Account
Sri Lanka	Feb 2018	IOTC Fisheries Statistician IOTC Fisheries Officer Cap Marine Environmental	i.) Regional Observer Workshop to provide training in ii.) ROS Pilot Project activities (ROS e-Reporting tools): follow-up training for the implementation of the IOTC electronic ROS data collection, reporting and management tools. The first workshop was delivered to Sri Lanka in December 2017.
Indonesia	Apr-May, Jul 2018	IOTC-OFCF Project Manager	Preparatory missions for the IOTC-OFCF Project implementation, including: (i) Reviewing the current data collection and compilation systems (ii) Technical advices to One Data.
Indonesia (Bali)	July 2018	IOTC Fisheries Statistician, IOTC Consultant IOTC-OFCF Project Manager	(i) ROS e-Reporting tools (ROS e-Reporting tools): delivery of a second training workshop implementing the new IOTC electronic ROS data collection, reporting and management tools (ii) Data evaluation workshop of Indonesia's longline fisheries.
Pakistan	Dec 2018 (TBC)	IOTC Fisheries Statistician IOTC Data Coordinator	(i) Provide technical support for the collection, and reporting of WWF-Pakistan's crew based observer scheme (ii) Data compliance and support mission: evaluation of the reconstructed catch series submitted by the Government of Pakistan in 2017.
Sri Lanka	On-going throughout 2018	IOTC Fisheries Statistician	ROS Pilot Project activities (EMS): Development of a feasibility study trialling electronic monitoring systems on-board small-scale coastal gillnet/longline vessels.
Compliance			
Mauritius	17-18 Jan	Compliance Officer	Follow-up Compliance Support Mission and Implementation of PSM
Mozambique	22-24 Jan	Compliance Officer	Follow-up Compliance Support Mission and Implementation of PSM
Sri Lanka	29-30 Jan	Compliance Officer	Follow-up Compliance Support Mission and Implementation of PSM
Indonesia	28-29 May	Compliance Coordinator	Follow-up Compliance Support Mission
Kenya	3-5 Jul	Compliance Officer	Implementation of PSM and e-PSM application training
Mauritius	15-23 Sep	Compliance Officer	Facilitate sharing of experiences on the implementation of PSM between Mauritius and Sri Lanka
Mozambique	1-5 Oct	Compliance Officer	Implementation of PSM and e-PSM application training
South Africa	31 Oct-6 Nov	Compliance Officer	Implementation of PSM and e-PSM application training
Madagascar	20-22 Nov	Compliance Officer	Implementation of PSM and e-PSM application training
Seychelles	10-12 Dec	Compliance team	Follow-up Compliance Support Mission (held in Seychelles for Somali particpants)

Meetings supported by the Compliance team: the WPICMM and CoC

44. In 2017 the Commission established a permanent Working Party on the Implementation of Conservation and Management Measures (WPICMM) to act as an advisory body to the Commission via the Compliance Committee. The objectives off the WPICMM are: Alleviate the technical discussions, workload and time pressures on the Compliance Committee, and permit it to focus on higher level compliance implementation strategies in its work for the Commission; to enhance the technical capacity of CPCs to understand and implement IOTC Conservation and Management Measures; and prioritise implementation issues and develop operational standards for use by CPCs.

45. The 1st Session of the Indian Ocean Tuna Commission's (IOTC) Working Party on Implementation of Conservation and Management Measures (WPICMM) was held in Seychelles, from 5 to 7 March 2018. A total of 30 participants (14 Members and one observer) attended the Session.

46. The 15ᵗʰ Session of the Compliance Committee (CoC) of the Indian Ocean Tuna Commission (IOTC) was held in Bangkok, Thailand, from 13–15 and 17 May 2018. A total of 79 delegates attended the Session; 22 Contracting Parties (Members), 2 Cooperating Non-Contracting Parties, 4 Observers and 3 Invited Experts.

47. The WPICMM and CoC meetings were facilitated by the Secretariats compliance team. Appendix 2 lists the documents produced by the IOTC Secretariat in support of the WPICMM and CoC meetings

Compliance related activities

48. The IOTC Record of Authorised Vessels often requires additional attention from the IOTC Secretariat to ensure its accuracy. The processing and quality assurance of IOTC data sets continues to require substantial resources from the IOTC Secretariat, and often involves repeat requests for clarification of data issues between IOTC Secretariat staff and data liaison officers in national fisheries organisations. Just over 19,200 records were processed during 2018; this includes the addition, deletion and updating the history of vessels in the record. The number of records processed during 2018 represents an increase of approximately 42% over the number of records processed in the previous year. Collaboration with the Administrator of the Consolidated List of Authorised Vessels (CLAV) continues to result in the identification of additional errors and subsequent corrections of a number of entries into the database. In addition, a short-term consultancy was funded, under the IOTC regular budget, in the last quarter of 2018 to identify duplicates and consolidate several duplicate entries of vessel owners. This worked looked specifically at the records for two CPCs, Maldives and Sri Lanka, which between them accounts for 39% and 43% of the records in the Vessel and Vessel Owner Records, respectively.

49. The maintenance of the IOTC Record of Active Vessels also requires the active follow-up by staff of the IOTC Secretariat to ensure timely data submissions by CPCs. Discrepancies and inconsistencies in the datasets are the main issues that require staff to resolve, through contacts with the various parties involved.

50. The Regional Observer Programme (ROP) to monitor transhipments at sea for large-scale tuna longline vessels is now in its eleventh year of operation, and support by staff of the IOTC Secretariat to ensure its seamless functioning is now embedded in the daily activities of the IOTC Secretariat. The level of activities under this Programme during 2018 remained on par with that of 2017. Following a new call for tender for the delivery of this service, a new contract for the at-sea Transhipment Programme was signed by the FAO, on behalf of the IOTC, with the service provider who has been delivering this service since its inception.

Capacity building activities: Compliance Support Missions

51. **Follow-up Compliance Support Missions (CSM)** are intended to bring the work of the Commission and the Compliance Committee closer to the CPCs. The follow-up CSM are a combination of capacity building and planning exercise to engage in activities that would support the issues that were identified during the review of country based Compliance Report at the last session of the Compliance Committee. The follow-up CSMs are carried by the IOTC Secretariat staff over a period of three days, to an audience composed of national officers in offices involved in the implementation of IOTC Resolutions. The outcome is a Compliance Action Plan and an agreed timeline with the CPC on addressing outstanding compliance issues. During 2018, six follow-up CSMs were conducted in the following countries: Indonesia, Madagascar, Mauritius, Mozambique, Seychelles (for Somalia) and Sri Lanka. Further follow-up missions are planned in 2019 and 2020.

Capacity building activities: Training in Port State Measures

52. This other component is specific to the implementation of Resolution 16/11 *on Port State Measures to prevent, deter and eliminate illegal, unreported and unregulated (IUU) fishing*. This training is primarily intended for field

personnel and their supervisors, as it focuses more in the operational aspects of the Resolution on Port State Measures. It implements at national level, a training course for government officials on IOTC Port State Measures for CPCs in the region. To support this activity, one training package has been developed relating to the implementation of Port State Measures to prevent, deter and eliminate illegal, unreported and unregulated (IUU) fishing activities. During 2018, five CPCs benefitted from follow-up PSM training: Kenya, Madagascar, Mozambique, Sri Lanka and South Africa. For the first four CPCs the PSM training were combined with CSMs, whereas the training in South Africa only for PSM.

53. With the support of the World Bank, the IOTC Secretariat has developed an electronic Port State Measures application (e-PSM), accessible through the IOTC web site, to support the implementation of IOTC Resolutions on PSM. The e-PSM application became functional in May 2016. As required by the paragraph 3 of the Resolution 16/11, the IOTC Secretariat has provided training to over 400 individuals from 13 IOTC member States (Port States and industry), to use the application. As of 24th April 2019, 5,125 vessel files have been created following call in port. The application if being used by 37 flag States, 13 IOTC port States and more than 1,500 vessels' representatives (fishing agents/vessel master). The ICCAT Secretariat is also receiving inspection reports through this application for South African vessels operating in the ICCAT Area.

Funding of Compliance related activities

54. Funding for these activities are being provided through cooperation with several initiatives, following presentation of the capacity building initiatives to potential financing agencies. Table 3 summarises all the missions relating to compliance.

55. The IOTC Secretariat:

a) signed in 2017 a Grant Agreement with the European Union for the provision of €150.000 to finance the Compliance Support Missions, to recruit a consultant to undertake the MCS/CDS studies and other activities undertaken in 2018.

b) received financing from the following agencies/projects:

- World Wide Fund (WWF) provided support to recruit consultants to undertake a VMS study and to develop a ToR the legal scrubbing of IOTC CMMs,

- World Bank Project (SWIOFISH) through the Indian Ocean Commission with financing support to undertake, in qualifying countries, Compliance Support Missions, PSM trainings, develop a monitoring and reporting information system (e-MARIS), legal assistance to transpose IOTC CMMs into national legislation in accordance to Article X of the IOTC Agreement, and other activities in 2018.

- The FAO Project "Sustainable management of tuna fisheries and biodiversity conservation in the Areas Beyond National Jurisdiction (ABNJ)", supported by the Global Environmental Facility (GEF), (assisted with the further development of CLAV).

FUNCTIONAL AREA 3.3 COMMUNICATIONS AND PUBLIC INFORMATION

56. The IOTC Secretariat continues with the publications of all reports of the Commission and its subsidiary bodies on the IOTC website. All reports are currently published in electronic format only, following the decision by the Commission at its 17th Session to go paperless.

FUNCTIONAL AREA 3.4 SUPPORT TO MEETINGS

Logistic support in the facilitation of meetings

57. The IOTC Secretariat supported 14 meetings in 2018 (Appendix 1). This included the inaugural meetings of the WPICMM and the TCPR.

58. The1st Session of the TCPR was held in Seychelles from 8 to 9 February 2018 and Chaired by Ms Riley Jung-re Kim. A total of 46 delegates attended the Session, comprised of delegates from 19 Contracting Parties (Members), 2 observer organisations, and 3 invited experts. The WPICMM is introduced under Functional area 3.2.

Preparation of reports

59. The IOTC Secretariat staff provided the necessary support to all IOTC meetings in 2018 related to the development and dissemination of meeting reports. All IOTC meeting reports were developed, finalised and disseminated

efficiently and in a short timeframe to ensure CPCs had access to the most recent meeting findings and recommendations soon after the completion of a meeting (usually within one week). Improvements were made in the process of translating documents to ensure that versions in French were readily available soon after meetings.

60. The IOTC Secretariat continues to work with several translators for the provision of translation services and in 2018 increased its pool of translators. Documents are prepared in both languages of the Commission for the Sessions of the Commission, and all Committees. In order to reduce staff costs, the translation of documents to the official languages of the Commission (English and French) has been outsourced as necessary. Unless there is a substantial increase in the workload relating to translation, the current approach is an effective way of proceeding.

61. Appendix 2 lists the documents produced by the IOTC Secretariat in support of all the 2018 meetings of IOTC bodies.

Meeting Participation Fund usage

62. The Secretariat administers the IOTC Meeting Participation Fund (MPF). The MPF currently serves nine scientific bodies (seven working parties, the Technical Committee on Management Procedures and the Scientific Committee); and six non-scientific bodies (the Technical Committee on Allocation Criteria, the Technical Committee on Performance Review, the Working Party on the Implementation of Conservation and Management Measures, the Standing Committee on Administration and Finance, the Compliance Committee and the Commission)

63. The meeting participation fund supported the participation of 122 individuals from developing Contracting Parties of the IOTC to the 14 meetings held in 2018. Details are provided in IOTC-2019-SCAF-06.

FUNCTIONAL AREA 3.5 INFORMATION TECHNOLOGY

64. The provision of computer infrastructure, including maintenance of the network and servers, as well as Internet support was providing by a consultant paid under the provisions of Headquarters Agreement with the Republic of Seychelles. However, it must be noted that this payment is still pending. These services were also extended to general meeting support and IOTC website maintenance.

65. During 2018 a new IT Consultant was employed and many improvements were made to the IT office infrastructure. Works included the installation of a new firewall to increase security and monitoring capacity and the re-wiring of the office network. Equipment purchases included back-up hardware, routers and three new laptops. Procedural improvements included the introduction of a more rigid back-up schedule, a detailed inventory and a well-defined publishing procedure for the website.

FUNCTIONAL AREA 3.6 ADMINISTRATION

Administrative Staff

66. The IOTC Secretariat's Administrative Unit was staffed as follows:
   - Administrative Officer (P3)
   - Administrative Assistant (G6)
   - Office Assistant (G5)
   - Driver/Receptionist (G2)
   - IT System Manager (consultant)

67. A G6 Office Assistant post remained vacant in 2018. A part-time cleaner is also part of the administration team.

Activities of the IOTC Administrative Unit

68. The human resources and administration functions of the IOTC are managed through various FAO electronic systems. The Global Resource Management System (GRMS) covers the administration of all funds, travel arrangements, HR support and procurement. Projects are managed through the Field Programme Management Information System and the integrated Management Information System is used to generate up-to date reports on all areas of administration. Using these systems and in liaison with FAO HQ, the unit provided administrative support to all activities of the Secretariat, in particular:
   - Procurement of goods and services including tenders and contract processing
   - Recruitment and management of staff and consultant contracts

- Financial management and reporting including budget monitoring, contribution tracking, asset control and banking
- Project management support and liaison with donors
- Travel of staff, consultants and meeting participants, and the management of the Meeting Participation Fund
- Meeting planning and logistics
- Correspondence and communication management
- IT support
- Data preparation for reports to the SCAF which advises the Commission on administrative and financial matters such as the financial status and the provisional budget for the ensuing year
- Facilities Management
- Guidance and advice to staff about IOTC and FAO rules and procedures

New Systems and Procedures in 2018

69. FAO introduced a new recruitment system, 'TALEO', and a new electronic tendering system for procurement, IN-TEND, in 2018. Training was rolled out and both of these systems are fully operational.

70. FAO procedural changes for the recruitment of staff and consultants were incorporated into the Secretariat office and a roster is now being maintained at the fisheries department level that can be accessed by IOTC.

71. New travel rules were introduced into the planning and processing of travel. These changes encourage the early planning of travel which over time should result in cost savings for IOTC.

72. Revised procedures were introduced for managing project cycles and these had a significant impact on the setting up and closure of IOTCs EC projects. The new procedures involved the agreement by Members of certain conditions for in-country activities conducted by the Secretariat (see IOTC-2018-SCAF15-09).

4.   OTHER ACTIVITIES

Contacts with other organisations

73. The IOTC Secretariat routinely maintains contacts with other organisations in the region with the purpose of coordinating scientific activities to the extent possible. This is essential to avoid duplication of efforts with similar organisations (e.g. other tuna RFMOs – CCSBT, IATTC, ICCAT and WCPFC).

74. As mentioned above, the IOTC Secretariat attended two t-RFMO meetings in2018: a workshop to Review Current t-RFMO Practices in Stock Status Determinations and a Joint tuna RFMO Management Strategy Evaluation meeting.

75. Members of the compliance and data teams participated in the 2nd Tuna Compliance Network meeting.

76. FAO: The IOTC was represented at Global Record Open-Ended Technical and Advisory Working Group - 4th meeting + PSMA Open-Ended Technical Working Group on Information Exchange.

77. Inter-Governmental Organisations (IGOs): The IOTC Secretariat maintains close links with the Indian Ocean Commission (IOC) primarily through the discussions of possible future coordination and cooperation in fisheries projects involving tuna fisheries. The IOTC Secretariat is currently involved in a number of joint activities with the IOC Project Integrated Regional Fisheries Strategy (IRFS) also known as SmartFish, and the SWIOFISH 2 Project.

78. Non-Governmental Organisations (NGOs): The IOTC Secretariat also maintains close links with a number of NGOs, such as INFOFISH, WWF, IPNLF, PEW and ISSF. In 2018 the Secretariat participated in the FISH-i Africa 7th Task Force Meeting.

79. In 2018, the Secretariat worked with the Overseas Fishery Cooperation Foundation (OFCF) on improving statistical systems for tuna resources, and the FAO ANBJ Tuna Project on the yellowfin and bigeye MSEs.

Suggested action by the Standing Committee on Administration and Finance

80. That the SCAF NOTE paper IOTC–2019–SCAF16–03 which provides the SCAF with an update on the activities of the IOTC Secretariat in 2018.

APPENDIX 1
2018: LIST OF IOTC MEETINGS AND CHAIRS

Meeting	Location	Chair / Vice-Chair		CPC/Affiliation	Starting ng	Term	
TCAC	5-7 February, Seychelles	Chair	Mr Don MacKay	Independent	21Feb2016	-	-
TCPR	8-9 February, Seychelles	Chair	Ms Jung Re Kim	Rep. of Korea	8Feb2018	2020	1
		Vice-Chair	Mr Sammy Malvas	Philippines	9Feb2018	2020	1
WPICMM	5-7 March, Seychelles	Chair	Mr Roy Clarisse	Seychelles	7Mar2018	2020	1
		Vice-Chair	Mr Benedict Kiilu	Kenya	7Mar2018	2020	1
CoC	13-15 May, Thailand	Chair	Mr Hosea Gonza Mbilinvi	Tanzania	5May2017	2019	1
		Vice-Chair	Ms Anne-France Mattlet	EU, France	5May2017	2019	1
SCAF	16 May, Thailand	Chair	Mr Hussain Sinan	Maldives	25May2018	2020	1
		Vice-Chair	Mr Muhammad Farhan Khan	Pakistan	25May2018	2020	1
TCMP	18-19 May, Thailand	Co-Chairs	Commission and SC Chairs	-	-	-	-
Commission	21-25 May, Thailand	Chair	Ms Susan Imende	Kenya	26May2018	2020	1
		Vice-Chair	Ms Jung Re Kim	Rep. of Korea	26–May–17	2019	1
		Vice-Chair	Mr Adam Ziyad	Maldives	26–May–18	2020	1
WPNT	21-24 August, Seychelles	Chair	Dr Farhad Kaymaram	I.R. Iran	29May2015	2019	2
		Vice-Chair	Dr Mathias Igulu	Tanzania	29May2015	2019	2
WPB	4-8 September, South Africa	Chair	Dr Rui Coelho	EU, Portugal	14Sep2017	2019	1
		Vice-Chair	Dr Evgeny Romanov	EU,France	5Sep2015	2019	2
WPEB	10-14 September, South Africa	Chair	Dr Sylvain Bonhommeau	EU,France	8Sep2017	2019	1
		Vice-Chair	Dr Reza Sharifar; Dr Ross Wanless	I.R. Iran / BirdLife	11Sep2015	2019	2
WPM	25-27 October, Seychelles	Chair	Dr Toshihide Kitakado	Japan	21Oct2015	2019	2
		Vice-Chair	Dr Iago Mosqueira	EU	21Oct2015	2019	2
WPTT	29 October-3 November, Seychelles	Chair	Dr Gorka Merino	EU,Spain	3Nov2018	2020	1
		Vice-Chair	Dr Shiham Adam	Maldives	3Nov2018	2020	1
WPDCS	29 November-1 December, Seychelles	Chair	Mr Stephen Ndegwa	Kenya	28Nov2017	2019	1
		Vice-Chair	Dr Julien Barde	EU,France	28Nov2017	2019	1
SC	3-7 December, Seychelles	Chair	Dr Hilario Murua	EU,Spain	28Nov2015	2019	2
		Vice-Chair	Dr Shiham Adam	Maldives	28Nov2015	2019	2

APPENDIX 2
2018: LIST OF PAPERS PRODUCED BY IOTC SECRETARIAT STAFF

1st Session of the Working party on the Implementation of Conservation and Management Measures

IOTC–2018–WPICMM01–03	Identification of inconsistent use of terms, lack of definition of key terms and use of terms that are not "terms of legal art" IOTC Resolutions.
IOTC–2018–WPICMM01–04	Draft final glossary of terms and definitions which should be used by Members while drafting proposals for Resolutions for the Commission.
IOTC–2018–WPICMM01–05	Drafting a Work Plan for the WPICMM for the next three years
IOTC–2018–WPICMM01–06	Assessment criteria for the Compliance Report of the CoC15
IOTC–2018–WPICMM01–07	Definition of a procedure and criteria to determine when a vessel shall, or shall not, be included in the IOTC Record of Authorized Vessels
IOTC–2018–WPICMM01–08	Review of the extension of the applicability of Resolution 15/11
IOTC–2018–WPICMM01–08_Add1	Report on the limitation of fishing capacity of CPCs - CoC14
IOTC-2018-WPICMM01-INF01a	IOTC - Compendium of ACTIVE CMMs 01 December 2017
IOTC-2018-WPICMM01-INF01b	CTOI - Recueil des MCG ACTIVES 01 décembre 2017
IOTC-2018-WPICMM01-INF02a	Compliance Report[E]-Country Template for COC15
IOTC-2018-WPICMM01-INF02b	Rapport d'application[F]- Modèle pays pour CdA15

15th Session of the Compliance Committee

IOTC–2018–CoC15–01a	Final Agenda for the Fifteenth Session of the Compliance Committee
IOTC–2018–CoC15–01b	Final Annotated Agenda for the Fifteenth Session of the Compliance Committee
IOTC–2018–CoC15–02	Final list of documents for the Fifteenth Session of the Compliance Committee
IOTC–2018–CoC15–03	Summary report on the level of compliance
IOTC–2018–CoC15–04a	Report on Transhipment Resolution 17-06 – Secretariat's Report
IOTC–2018–CoC15–04b	A Summary of the IOTC Regional Observer Programme During 2016 – Contractor's Report
IOTC–2018–CoC15–05_Rev1	Status of the implementation of Fleet Development Plans
IOTC–2018–CoC15–05 Add1 Rev1	Collection of fleet development plans
IOTC–2018–CoC15–06 Rev1	Implementation of reporting obligations of nominal catch data (IOTC Resolution 16/06)
IOTC–2018–CoC15–07	Update on Progress Regarding Resolution 16/03 – On the Second Performance Review Follow–up
IOTC-2018-CoC15–08a	Complementary elements for discussion under item 7 of the agenda for the Compliance Committee
IOTC-2018-CoC15–08b Rev2	Summary report on possible infractions observed under the Regional Observer Programme
IOTC-2018-CoC15–08b Add1	Identification of repeated infringements under the Regional Observer Programme
IOTC-2018-CoC15-08c	Reporting of vessels in transit through UK (OT) waters for potential breach of IOTC Conservation and Management Measures
IOTC-2018-CoC15–09	The IOTC Draft IUU Vessels List
IOTC-2018-CoC15–10	Summary of Compliance with the drifting FADs Management Plans
IOTC-2018-CoC15–10 Add1	Collection of drifting Fish Aggregating Devices Management Plans
IOTC-2018-CoC15–11	Summary report on Compliance Support Activities
IOTC-2018-CoC15–12	Implementation of Recommendations relevant to the Compliance Committee
IOTC-2018-WPICMM01-R	Report of the First Session of the Working Party on the Implementation of Conservation and Management Measures
IOTC-2018-WPICMM01-Work Plan	WPICMM01 Work Plan
IOTC-2018-eMARIS-R	Report of the consultation and validation workshop on the development of an IOTC electronic monitoring and reporting information system

15th Session of the Standing Committee on Administration and Finance

IOTC–2018–SCAF15–03	Report of the IOTC Secretariat: 2017
IOTC–2018–SCAF15–04	Financial Statement: Fiscal Year 2017
IOTC–2018–SCAF15–05	IOTC Meeting Participation Fund: 2019 expected and 2020 proposal
IOTC–2018–SCAF15–06_ Rev1	Contributions Outstanding
IOTC–2018–SCAF15–07 Rev1	Provisional Program of work and budget for 2019 (and Indicative Budget for 2020)
IOTC–2018–SCAF15–08	Update on Progress Regarding Resolution 16/03 – on the Second Performance Review Follow–Up
IOTC–2018–SCAF15–09	Streamlining implementation arrangements for in-country activities

22nd Session of the Commission

IOTC–2018–S22–05	Progress on requests for action made by the Commission in 2017
IOTC–2018–S22–09a	Implementation of performance review recommendations.
IOTC–2018–S22–09b	Implementation of performance review recommendations – actions of the Commission
IOTC–2018–S22–10	Conservation and Management Measures requiring action by the Commission in 2018
IOTC–2018–S22–11	Review of objections received under Article IX.5 of the IOTC Agreement.

8th Session of the IOTC Working Party on Neritic Tunas

IOTC–2018–WPNT08–03	Outcomes of the 20th Session of the Scientific Committee
IOTC–2018–WPNT08–04	Outcomes of the 22nd Session of the Commission
IOTC–2018–WPNT08–05	Review of current Conservation and Management Measures relating to neritic tuna species
IOTC–2018–WPNT08–06	Progress made on the recommendations and requests of WPNT07 and SC20
IOTC–2018–WPNT08-07	Review of the statistical data available for the neritic tuna species
IOTC–2018–WPNT08–08	Revision of the WPNT Program of Work (2019–2023)
IOTC–2018–WPNT08–INF01	Guidelines for the presentation of CPUE standardisations and stock assessment models
IOTC–2018–WPNT08–INF02	SC Workplan 2018

Session of the IOTC Working Party on Temperate Tunas

No meeting in 2018

16th Session of the IOTC Working Party on Billfish

IOTC–2018–WPB16–03	Outcomes of the 20th Session of the Scientific Committee
IOTC–2018–WPB16–04	Outcomes of the 22nd Session of the Commission
IOTC–2018–WPB16–05	Review of Conservation and Management Measures relevant to billfish
IOTC–2018–WPB16–06_Rev1	Progress made on the recommendations and requests of WPB15 and SC20
IOTC–2018–WPB16–07	Review of the statistical data and fishery trends for billfish species
IOTC–2018–WPB16–08	Revision of the WPB Program of Work (2019–2023)
IOTC-2018-WPB16-22	Revision to IOTC scientific estimates for Indonesia's small-scale longline catches (Geehan J, Setyadji B)

14th Session of the Working Party on Ecosystems and Bycatch

IOTC–2018–WPEB14–03	Outcomes of the 20th Session of the Scientific Committee
IOTC–2018–WPEB14–04	Outcomes of the 22nd Session of the Commission
IOTC–2018–WPEB14–05	Review of Conservation and Management Measures relevant to ecosystems and bycatch
IOTC–2018–WPEB14–06	Progress made on the recommendations and requests of WPEB13 and SC20
IOTC–2018–WPEB14–07	Review of the statistical data and fishery trends for ecosystems and bycatch species
IOTC–2018–WPEB14–08_Rev1	Update on the implementation of the IOTC Regional Observer Scheme
IOTC–2018–WPEB14–09	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–2018–WPEB14–10	Revision of the WPEB Program of Work (2019–2023) (IOTC Secretariat & Chairperson)
IOTC–2018–WPEB14–INF01	Draft marine turtle call

20th Session of the Working Party on Tropical Tunas

IOTC–2018–WPTT20–03	Outcomes of the 20th Session of the Scientific Committee
IOTC–2018–WPTT20–04	Outcomes of the 22nd Session of the Commission
IOTC–2018–WPTT20–05	Review of Conservation and Management Measures relevant to tropical tunas
IOTC–2018–WPTT20–06	Progress made on the recommendations of WPTT19
IOTC–2018–WPTT20–07	Outcomes of the 2nd Session of the Technical Committee on management Procedures
IOTC–2018–WPTT20–08	Review of the statistical data and fishery trends for tropical tunas
IOTC–2018–WPTT20–09	Revision of the WPTT Program of Work (2019–2023)

9th Working Party on Methods

IOTC–2018–WPM09–03	Outcomes of the 20th Session of the Scientific Committee
IOTC–2018–WPM09–04	Outcomes of the 22nd Session of the Commission
IOTC–2018–WPM09–05	Review of Conservation and Management Measures relating to methods
IOTC–2018–WPM09–06	Progress on the recommendations of WPM08 and SC20
IOTC–2018–WPM09–07	Revision of the WPM Program of Work (2019–2023)

13th Working Party on Data Collection and Statistics

IOTC–2018–WPDCS14–03	Outcomes of the 20th Session of the Scientific Committee
IOTC–2018–WPDCS14–04	Outcomes of the 22nd Session of the Commission
IOTC–2018–WPDCS14–05	Review of current Conservation and Management Measures relating to the WPDCS
IOTC–2018–WPDCS14–06	Progress on the recommendations of WPDCS12
IOTC–2018–WPDCS14–07	Report on IOTC Data Collection and Statistics
IOTC–2018–WPDCS14–08	IOTC capacity building activities in support of developing coastal IOTC CPCs
IOTC–2018–WPDCS14–09	Revision of the WPDCS Program of Work (2019–2023) (IOTC Secretariat, Chairperson & Vice-Chairperson)
IOTC-2018-WPDCS14-31	Review of Pakistan's reconstructed catch series (Khan F, Khan M, Geehan J)
IOTC-2018-WPDCS14-33	Electronic tools in support of the IOTC ROS data collection and reporting workflow
IOTC-2018-WPDCS14-35	Report of the expert workshop to review the standards of the ROS (ROS Expert Working Group)
IOTC-2018-WPDCS14-INF03	Proposed changes to the IOTC ROS data collection fields (ROS Expert Working Group)

21ˢᵗ Session of the Scientific Committee

IOTC–2018–SC21–03	Outcomes of the 22nd Session of the Commission
IOTC–2018–SC21–04	Previous decisions of the Commission
IOTC–2018–SC21–05	Report of the Secretariat – Activities in support of the IOTC science process in 2018
IOTC–2018–SC21–06	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–2018–SC21–07	2018: Update on the implementation of the regional observer scheme
IOTC–2018–SC21–08	2018: Update on progress regarding Resolution 09/01 – on the performance review follow–up
IOTC–2018–SC21–09	Revision of the program of work (2019–2023) for the IOTC science process
IOTC–2018–SC21–10	Proposed schedule of Working Party and Scientific Committee meetings for 2019 and 2020
IOTC–2018–SC21–11	Progress on recommendations from SC20
IOTC–2018–SC21–12	Update on the conditioning of an operating model and initial testing of generic candidate management procedures for the Indian Ocean swordfish (Rosa D, Mosqueira I, Fu D, Coelho R)
IOTC–2018–SC21–16	Indian Ocean Yellowfin Tuna SS3 Model Projections (Fu D, Langley A, Merino G and Urtizberea A)
IOTC–2018–SC21–18	IOTC Science Strategic Plan (IOTC-SSP), (SC Chair and IOTC Secretariat)

1ˢᵗ Technical Committee on Performance Review

IOTC-2018-TCPR01-02	Update on the implementation of PR2 recommendations

APPENDIX 3

ACRONYMS USED IN THIS REPORT

CMM   Conservation and Management Measure (of the IOTC; Resolutions and Recommendations)
CNCP   Cooperating Non-Contracting Party, of the IOTC
CoC   Compliance Committee
CPs   Contracting Parties
CPCs   Contracting Parties and Cooperating non-Contracting Parties
FAO   Food and Agriculture Organization of the United Nations
IOTC   Indian Ocean Tuna Commission
IUU   Illegal, unreported and unregulated
MPF   Meeting participation fund
MSE   Management Strategy Evaluation
OFCF   Overseas Fishery Cooperation Foundation of Japan
SC   Scientific Committee
SCAF   Standing Committee on Administration and Finance
TCAC   Technical Committee on Allocation Criteria
TCMP   Technical Committee on Management Procedures
TCPR   Technical Committee on Performance Review
WPB   Working Party on Billfish
WPDCS   Working Party on Data Collection & Statistics
WPEB   Working Party on Ecosystems and Bycatch
WPICMM   Working party on the Implementation of Conservation and Management Measures
WPM   Working Party on Methods
WPNT   Working Party on Neritic Tunas
WPTmT   Working Party on Temperate tunas
WPTT   Working Party on Tropical Tunas