



Chinese fishery research

**SCIENTIFIC COMMITTEE  
NINETEENTH REGULAR SESSION**

Koror, Palau  
16 – 24 August 2023

**LIST OF DOCUMENTS**

WCPFC-SC19-2023/06 (Rev.06)  
[24 August 2023](#)

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**GENERAL PAPERS**

<i>GENERAL PAPERS – Working Papers</i>		
SC19-GN-WP-01	P. Williams and T. Ruaia. <b>Overview of tuna fisheries in the Western and Central Pacific Ocean, including economic conditions – 2022</b>	
SC19-GN-WP-02	IATTC. <b>The Tuna Fishery in the Eastern Pacific Ocean in 2022</b>	
SC19-GN-WP-03	ISC. <b>Report of the 23<sup>rd</sup> Meeting of the International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean</b>	
SC19-GN-WP-04	Secretariat. <b>Memorandum of Understanding (MOU) between WCPFC and NPFC</b>	
SC19-GN-WP-05	Secretariat. <b>Memorandum of Understanding (MOU) between SPRFMO and WCPFC</b>	
SC19-GN-WP-06	Secretariat. <b>Future Operations of the Scientific Committee</b>	ODF T01
SC19-GN-WP-07	Secretariat. <b>Terms of reference for proposed projects for 2024-2026</b>	
<i>GENERAL PAPERS – Information Papers</i>		
SC19-GN-IP-01	WCPFC Secretariat and SPC-OFP. <b>Issues arising from the Commission</b>	

SC19-GN-IP-02	WCPFC Secretariat and SPC-OFP. <b>Intersessional activities of the Scientific Committee</b>	
SC19-GN-IP-03	Secretariat. <b>Cooperation with other organizations</b>	

## **SCIENCE-RELATED DOCUMENTS PRESENTED AT WCPFC18**

WCPFC19-2022-10	SPC-OFP. <b>Evaluations to support decisions on the WCPO skipjack tuna target reference point based upon the 2022 stock assessment</b>	
WCPFC19-2022-11A_rev1	SPC-OFP. <b>Updates to management procedure evaluations for WCPO skipjack and PIMPLE since SMD01</b>	
WCPFC19-2022-11B	SPC-OFP. <b>WCPO Skipjack management procedure dry run (SC18-MI-WP03) - Information Paper</b>	
WCPFC19-2022-11C	SPC-OFP. <b>SSP response to EU request at the SKJ SWG of WCPFC19 v3</b>	
WCPFC19-2022-12	SPC-OFP. <b>WCPO bigeye and yellowfin TRP evaluations (with updated 2022 skipjack assessment results)</b>	
WCPFC19-2022-13_rev1	SPC-OFP. <b>Evaluation of CMM 2021-01: tropical tuna measure</b>	
WCPFC19-2022-15	SPC-OFP. <b>Further analyses to inform discussions on South Pacific albacore objectives and the TRP</b>	
WCPFC19-2022-16	SPC-OFP. <b>Updates on management procedure evaluations for south Pacific albacore since SMD01</b>	
WCPFC19-2022-IP02_rev1	SPC-OFP. <b>The western and central Pacific tuna fishery: 2021 Overview and status of stocks</b>	
WCPFC19-2022-IP06	SPC-OFP. <b>Trends in the South Pacific albacore longline and troll fisheries (Update of SC18-2022-MI-IP01 and TCC18-202-IP08)</b>	
WCPFC19-2022-IP08	SPC-OFP. <b>Catch and effort data summaries to support discussions on the new South-west Pacific Swordfish CMM</b>	
WCPFC19-2022-IP09	SPC-OFP. <b>Southwest Pacific swordfish projections (WCPFC18-2021-20)</b>	

## **DATA AND STATISTICS THEME**

<i>ST THEME – Working Papers</i>		
SC19-ST-WP-01	P Williams. <b>Scientific data available to the Western and Central Pacific Fisheries Commission</b>	
SC19-ST-WP-02	T. Peatman and S. Nicol. <b>Summary of bycatch in WCPFC longline fisheries at a regional scale, 2003–2021</b>	
SC19-ST-WP-03	Australia. <b>Proposal from Australia for additional or amended data fields for collection within WCPFC</b>	
SC19-ST-WP-04	C. Heberer and D. Itano. <b>TNC and Tunago Electronic Monitoring Transshipment Vessel Research Project</b>	
SC19-ST-WP-05	PNA and Tokelau. <b>FAD Minimum Data Fields to be Recorded by WCPFC Vessel Operators</b>	

<b>ST THEME – Information Papers</b>		
SC19-ST-IP-01	SPC-OFP. Estimates of annual catches in the WCPFC statistical area	
SC19-ST-IP-02	A. Panizza, P. Williams, C. Falasi, E. Loganimoce and E. Schneiter. <b>Status of observer data management</b>	
SC19-ST-IP-03	T. Peatman, P. Williams and S. Nicol. <b>Project 60: Progress towards Achieving SC18 Recommendations</b>	ODF T02
SC19-ST-IP-04	J. Macdonald, P. Williams, F. Roupsard, C. Sanchez, L. Bell, S-K Chang, R. Contreras, M. Ghergariu, M. Hosken, S. Hoyle, S. N. Cuu, T. Park, J. Potts, E. Schneiter, S. Nicol. <b>Project 90 update: Better data on fish weights and lengths for scientific analyses</b>	ODF T03
SC19-ST-IP-05	Tim Park. <b>Training observers for elasmobranch biological sampling (Project 109)</b>	ODF T05
SC19-ST-IP-06	SPC-OFP. <b>Project 114 Update: Progress in improving Cannery Receipt Data for WCPFC scientific work</b>	ODF T06
SC19-ST-IP-07	SPC-OFP. <b>Tables of coverage levels for operational data fields submitted to the WCPFC</b>	
SC19-ST-IP-08	I. C. Tanangonan, M. B. Demo-os, J. S. Jara, A. C. Dickson and R. V. Ramiscal. <b>Group Seine Operations of Philippine Flagged Vessels in High Seas Pocket Number 1 (HSP1)</b>	
SC19-ST-IP-09	IWG-ROP. <b>Work Priorities and Method of Communication for the IWG-ROP</b>	
SC19-ST-IP-10	<a href="#">Zhe Geng, Xiaodong Li, Xiaojie Dai, Feng Wu, Jiangfeng Zhu. Progress report of the research survey for 2022 by Chinese fishery research vessel "Song Hang" in the WCPFC area<sup>1</sup></a>	

## **STOCK ASSESSMENT THEME**

<b>SA THEME – Working Papers</b>		
SC19-SA-WP-01	André E. Punt, Mark N. Maunder, and James N. Ianelli. <b>Independent review of recent WCPO yellowfin tuna assessment</b>	ODF T04
SC19-SA-WP-02	P. Hamer, J. Macdonald, J. Potts, T. Vidal, T. Tears, I. Senina. <b>Review and analyses to inform conceptual models of population structure and spatial stratification of bigeye and yellowfin tuna assessments in the Western and Central Pacific Ocean</b>	
SC19-SA-WP-03	T. Tears, J. Day, N. Ducharme-Barth, J. Hampton, A. Magnusson, S. McKechnie, T. Peatman, J. Scutt-Phillips, P. Williams, P. Hamer. <b>CPUE analysis and data inputs for the 2023 bigeye and yellowfin tuna assessments in the WCPO</b>	
SC19-SA-WP-04	A. Magnusson, J. Day, T. Tears, J. Hampton, N. Davies, C. Castillo Jordán, T. Peatman, R. Scott, J. Scutt Phillips, S. McKechnie, F. Scott, N. Yao, G. Pilling P. Williams, P. Hamer. <b>Stock assessment of yellowfin tuna in the Western and Central Pacific Ocean: 2023</b>	
SC19-SA-WP-05	J. Day, A. Magnusson, T. Tears, J. Hampton, N. Davies, C. Castillo Jordan, T. Peatman, R. Scott, J. Scutt Phillips, S. McKechnie, F. Scott, N. Yao, G. Pilling, P. Williams, P.	

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	Hamer. <b>Stock assessment of bigeye tuna in the western and central Pacific Ocean – 2023</b>	
SC19-SA-WP-06	S. Hare, G. Pilling, and P. Williams. <b>A compendium of fisheries indicators for target tuna stocks in the WCPFC Convention Area</b>	
SC19-SA-WP-07	C. Castillo Jordán, J. Hampton, T. Tears, P. Hamer. <b>Follow up work on 2022 skipjack assessment recommendations</b>	
SC19-SA-WP-08	ISC Albacore Working Group. <b>Stock Assessment of Albacore Tuna in the North Pacific Ocean In 2023</b>	
SC19-SA-WP-09	ISC Billfish Working Group. <b>Stock Assessment Report for Swordfish (<i>Xiphias Gladius</i>) in the North Pacific through 2021</b>	
SC19-SA-WP-10	P. Neubauer, K. Kim, K. Large and S. Brouwer. <b>Project 108: Analysing potential inputs to the 2024 stock assessment of Western and Central Pacific silky shark (<i>Carcharhinus falciformis</i>)</b>	
SC19-SA-WP-11	ISC Billfish Working Group. <b>Stock Assessment Report for Striped Marlin (<i>Kajikia audax</i>) in the Western and Central North Pacific Ocean through 2020</b>	
SC19-SA-WP-12	P. Neubauer, K. Kim, T. A’mar and K. Large. <b>Addressing uncertainty in WCPFC stock assessments: Review and recommendations from WCPFC Project 113</b>	
SC19-SA-WP-13	SPC-OFP and CSIRO. <b>Progress towards a Close-Kin-Mark-Recapture application to South Pacific Albacore (Project 100c)</b>	
SC19-SA-WP-14	G. Pilling, J. Day, P. Hamer, J. Hampton, A. Magnusson, T. Tears, P. Williams. <b>Options to address time challenges in the review of WCPFC stock assessment inputs.</b>	
SC19-SA-WP-15	SPC-OFP. <b>Draft Tuna Assessment Research Plan (TARP) for ‘key’ tuna species assessments in the WCPO, 2023-2026</b>	
SC19-SA-WP-16	S. Brouwer and P Hamer. <b>Draft billfish research plan (Project 112)</b>	
SC19-SA-WP-17	SPC-OFP. <b>Concept note for a new EU supported study on the reproductive biology of yellowfin tuna</b>	ODF T07
<b>SA THEME – Information Papers</b>		
SC19-SA-IP-01	P. Hamer. <b>Report from the SPC Pre-assessment Workshop – April 2023</b>	
SC19-SA-IP-02	N. Davies, D. Fournier, F. Bouyé, and J. Hampton, and A. Magnuson. <b>Developments in the Multifan-CL software 2022-23</b>	
SC19-SA-IP-03	T. Peatman, J. Day, A. Magnusson, T. Tears, P. Williams, J. Hampton, P. Hamer. <b>Analysis of purse-seine and longline size frequency data for the 2023 bigeye and yellowfin tuna assessments</b>	
SC19-SA-IP-04	S. McKechnie, P. Williams, G. Pilling, and the WCPFC Secretariat. <b>Trends in the South Pacific albacore longline and troll fisheries</b>	ODF T08
SC19-SA-IP-05	P. Hamer, T. Tears, Y. Aoki, M. Nishimoto, Y. Tsuda. <b>Project 115 progress update: Exploring evidence and mechanisms for a long-term increasing trend in recruitment of skipjack tuna in the equatorial Pacific and the development and modelling of defensible effort creep scenarios</b>	
SC19-SA-IP-06	I. Senina, J. Hampton, L. Bonnin, P. Lehodey, P. Hamer and S. Nicol. <b>Spatial structure and regional connectivity of bigeye</b>	

	<b>and yellowfin tuna stocks in the WCPO derived from the reference SEAPODYM models</b>	
SC19-SA-IP-07	T. Peatman and S. Nicol. <b>Analysis of tag seeding data and reporting rates for purse seine fleets</b>	
SC19-SA-IP-08	T. Peatman, J. Scutt Phillips, S. Nicol. <b>Analysis of tagging data for the 2023 bigeye and yellowfin tuna assessments: corrections to tag releases for tagging conditions</b>	
SC19-SA-IP-09	S. Brouwer, K. Large and P. Neubauer. <b>Characterisation of the fisheries catching Silky sharks (<i>Carcharhinus falciformis</i>) in the Western and Central Pacific Ocean</b>	
SC19-SA-IP-10	Placeholder	
SC19-SA-IP-11	M. J. Kinney, Y. Chang, H. Ijima, M. Kanaiwa, E. Schemmel, J. O'Malley. <b>Length-Based Proportional Sampling for Life History Research: Establishing Uniform Sampling for North Pacific Billfish Species</b>	
SC19-SA-IP-12	T. Hasegawa, K. Okamoto, K. Satoh. <b>Modelling seasonal growth of captive yellowfin tuna (<i>Thunnus albacares</i>) using repeated measurement</b>	
SC19-SA-IP-13	K. Satoh, D. Ochi, Y. Inoue, T. Matsumoto, H. Ijima, H. Yokoi, T. Hasegawa and K. Okamoto. <b>A preliminarily analysis of variations in the fishing gear configurations and practices of Japanese longliners in the western and central Pacific Ocean since 2007</b>	
SC19-SA-IP-14	M. Nishimoto, Y. Aoki, N. Matsubara, Y. Tsuda. <b>Technological developments of the fishing devices in the Japanese pole-and-line vessel identified in past surveys</b>	
SC19-SA-IP-15	Hiroataka Ijima and Keisuke Satoh. <b>Size dependent distribution for bigeye and yellowfin tuna in Pacific Ocean</b>	

## **MANAGEMENT ISSUES THEME**

<b><i>MI THEME – Working Papers</i></b>		
SC19-MI-WP-01	R. Scott, T. Teears, N. Yao, F. Scott, T. Peatman, G. Pilling. <b>WCPO skipjack management procedure</b>	
SC19-MI-WP-02	R. Scott, F. Scott, N. Yao, R. Natadra, P. Williams, G. Pilling. <b>Monitoring the WCPO skipjack management procedure</b>	
SC19-MI-WP-03	SPC-OFP. <b>Update to further inform discussions on South Pacific albacore objectives and the TRP</b>	
SC19-MI-WP-04	R. Scott, N. Yao, F. Scott, R. Natadra, G. M. Pilling. <b>Selecting and Conditioning Operating Models for South Pacific Albacore</b>	
SC19-MI-WP-05	R. Natadra, F. Scott, R. Scott and N. Yao. <b>Developing Management Procedures for South Pacific albacore</b>	
SC19-MI-WP-06	F Scott, R Scott, N Yao and R Natadra. <b>Evaluation of candidate management procedures for South Pacific albacore</b>	
SC19-MI-WP-07	F. Scott, R. Scott, N. Yao, R. Natadra and G. M. Pilling. <b>Mixed fishery harvest strategy update</b>	
SC19-MI-WP-08	SPC-OFP. <b>Updates to table 9 of the evaluation of CMM 2021-01</b>	
<b><i>MI THEME – Information Papers</i></b>		

SC19-MI-IP-01	F. Scott, R. Scott, N. Yao and R. Natadra. <b>Evaluations of skipjack management procedures for the robustness set</b>	ODF T10
SC19-MI-IP-02	F. Scott, R. Scott, N. Yao and R. Natadra. <b>Testing and developing estimation models for South Pacific albacore</b>	ODF T15
SC19-MI-IP-03	R. Natadra, F. Scott, R. Scott and N. Yao. <b>An online tool for exploring the South Pacific albacore operating model grid</b>	
SC19-MI-IP-04	N Yao, R. Scott, F. Scott, R. Natadra and P. Hamer. <b>Exploring Alternative CPUE Standardisation Approaches for Inclusion in South Pacific Albacore MSE Operating Models</b>	ODF T11
SC19-MI-IP-05	F. Scott, R. Scott, N. Yao and R. Natadra. <b>Update on capacity building and stakeholder engagement activities for WCPFC harvest strategies</b>	
SC19-MI-IP-06	WCPFC Secretariat and SPC-OFP. <b>Catch and effort data summaries to support discussions on TROPICAL TUNA CMMs</b>	
SC19-MI-IP-07	P. Hamer, T. Tears and the PNAO. <b>Examining Indicators of Effort Creep in the WCPO Purse Seine Fishery</b>	ODF T12
SC19-MI-IP-08	R. Scott, N. Yao, F. Scott, R. Natadra, S. Hoyle, P. Hamer, J. Hampton, G. Pilling. <b>Factors contributing to recent and projected declines in south Pacific albacore stock status</b>	ODF T09
SC19-MI-IP-09	IATTC Document SAC-14 INF-G. <b>POSEIDON, a Tool for the Exploration of Alternative Management Scenarios for Eastern Pacific Ocean Tropical Tuna Species</b>	
SC19-MI-IP-10	F. Satria, L. Sadiyah, P. Suadela, Y. Hernuryadin, A. Budiarto, M. C. Pratiwi, E. Hoshino, C. Davies, R. Hillary and J. Dell. <b>Harvest Strategies for Tropical Tuna in Archipelagic Waters of Indonesia: Update</b>	

## **ECOSYSTEM AND BYCATCH MITIGATION THEME**

<b><i>EB THEME – Working Papers</i></b>		
SC19-EB-WP-01	SPC-OFP. <b>Ecosystem and Climate Indicators</b>	
SC19-EB-WP-02	L. Escalle, G. Moreno, J. Wichman, D. David, and P. Hamer. <b>Progress report of Project 110: Non-entangling and biodegradable FAD trial in the Western and Central Pacific Ocean</b>	ODF T16
SC19-EB-WP-03	L. Escalle, J. Mourot, P. Hamer and G. Pilling. <b>Evaluation of the use of netting and biodegradable materials in drifting FAD construction in the WCPO</b>	
SC19-EB-WP-04	Mourot J., Escalle L., Thellier T., Lopez J., Wichman J., Royer S.J., Hood L., Bigler B., Jaugeon B., Nicholas T.R., Pollock K., Prioul F., Lercari M., Marks A., Kutan M., Jones J., Lynch J.M., Tait H., Hamer P. and the PNA Office. <b>Analyses of the regional database of stranded drifting Fish Aggregating Devices (dFADs) in the Pacific Ocean</b>	
SC19-EB-WP-05	Escalle L., Hamer P. and the PNA Office. <b>Spatial and temporal description of drifting FAD use in the WCPO derived from analyses of the FAD tracking programmes and observer data</b>	
SC19-EB-WP-06	S. Brouwer and P Hamer. <b>Shark research plan 2021-2025 mid-term review (Project 97b)</b>	

SC19-EB-WP-07	SPC-OFP and WCPFC Secretariat. <b>Terms of Reference for a project to support additional work on trialling non-entangling and biodegradable FADs in the WCPO</b>	ODF T17
SC19-EB-WP-08	Cara Masere (Miller) and Karen Baird. <b>An initial exploration of cetacean bycatch and interactions in the WCPFC</b>	
SC19-EB-WP-09	M. R. Cronin, J T. Watson, N. Lezama-Ochoa, G. Moreno, H. Murua, A. C. Nisi, C. Price, N. G. Taylor, D. A. Croll. <b>Evaluating publicly available reported shark and ray catch data in industrial fisheries: A global review to inform assessment and conservation</b>	
SC19-EB-WP-10	IWC Secretariat. <b>IWC Focus on cetacean bycatch in the western central Pacific Ocean</b>	
SC19-EB-WP-11	G. Moreno, I. Zudaire , J. Uranga , M. Grande, J. Salvador , J. Murua , A. Salgado , H. Murua, J. Santiago, V. Restrepo. <b>The Jelly-FAD: new results on its performance</b>	
SC19-EB-WP-12	G. Moreno, J. Lopez, L. Escalle, J. Lynch, M. Roman, J. Scutt Phillips, Y. Swimmer, H. Murua, S-J Royer, J. Murua, M. Hutchinson, A. Aires-da-Silva, V. Restrepo. <b>Guidelines to reduce the impact of drifting Fish Aggregating Devices on sea turtles</b>	
SC19-EB-WP-13	FAD Management Options Intersessional Working Group. <b>Progress of the FADMO-IWG Priority Tasks for 2023</b>	ODF T13
<b><i>EB THEME – Information Papers</i></b>		
SC19-EB-IP-01	Withdrawn	
SC19-EB-IP-02	SPC-OFP Green Climate Fund Regional Tuna Programme Proposal – Adapting tuna-dependent Pacific Island communities and economies to climate change	
SC19-EB-IP-03	SPC-OFP A Fisheries Science Vessel for the Pacific – A tool to manage and preserve our common resources and ecosystem	
SC19-EB-IP-04	Escalle L., Scutt Phillips J., Lopez J., Lynch J.M., Murua H., Royer S.J., Swimmer Y., Murua, J., Sen Gupta A., Restrepo V., Moreno G. <b>Modelling drifting Fish Aggregating Devices (FADs) trajectories arriving at essential oceanic and coastal habitats for leatherback and hawksbill turtles in the Pacific Ocean</b>	
SC19-EB-IP-05	Larissa Fitzsimmons. <b>Bycatch Management Information System (BMIS) Update</b>	
SC19-EB-IP-06	Bose, S., Fischer, J.H., Debski, I., Elliott, G. and Walker, K. <b>Update on Antipodean albatross tracking and overlap with pelagic longline fishing effort</b>	
SC19-EB-IP-07	ISSF. <b>ISSF Workshop on Different Approaches to Limit the Number of FADs in the Oceans</b>	
SC19-EB-IP-08	D. Kroodsma, J. Turner, C. Luck, T. Hochberg, N. Miller, P Augustyn, S. Prince. <b>Global prevalence of setting longlines at dawn highlights bycatch risk for threatened albatross</b>	
SC19-EB-IP-09	G. Moreno, M. Cronin, J. Murua, H. Murua, J. M. Ferarios, I. Onandia, N. Lezama-Ochoa, Y. Swimmer, V. Restrepo. <b>Progress in addressing key research to inform Mobulid ray conservation in the Pacific Ocean</b>	
SC19-EB-IP-10	D. Ochi. <b>Supplemental information for SC18-EB-WP04: Statistical comparison of bycatch mitigation performance</b>	

	<b>with and without streamers in tori-lines for small LL vessels</b>	
<b>SC19-EB-IP-11</b>	<b>S. Tsuji and D. Ochi. CCSBT Multi-year Seabird Strategy and its action plan -- toward establishment of global risk assessment framework of seabird bycatch by tuna longliners</b>	
<b>SC19-EB-IP-12</b>	<b>M. Ibe, S. Kokubun, I. Funatogawa, K. Tsumita, S. Kuraku, J. King, J. R. Hyde, Y. Fujinami, A. Kurashima, M. Kai, K. Nohara. Population genomics of blue shark <i>Prionace glauca</i> in the Pacific Ocean based on whole mitogenome sequencing and nuclear-genome-wide SNP data</b>	
<b>SC19-EB-IP-13</b>	<b>Fischer, J.H., Bose, S., Taylor, G., Debski, I., Ray, S. &amp; Lamb, S. Update on flesh-footed shearwater tracking and potential areas of bycatch risk</b>	
<b>SC19-EB-IP-14</b>	Placeholder	
<b>SC19-EB-IP-15</b>	<b>J. P. Pierre. Mitigation of seabird bycatch in pelagic longline fisheries: Best practice measures, evidence and operational considerations</b>	
<b>SC19-EB-IP-16</b>	<b>New Zealand. Proposed purpose, scope, and process for the seabird CMM 2018-03 review</b>	
<b>SC19-EB-IP-17</b>	<b>G. Moreno, T. Crochet, H. Murua, V. Restrepo. A novel FAD tracking device tested in the Pacific Ocean</b>	
<b>SC19-EB-IP-18</b>	<b>C. Heberer, Using electronic monitoring to verify best practices for safe handling and release of bycatch species in tuna longline fisheries</b>	
<b>SC19-EB-IP-19</b>	<b>B. Sobradillo , G. Boyra , J. Uranga and G. Moreno. Target strength measurements of ex-situ yellowfin tuna (<i>Thunnus albacares</i>) and frequency-response discrimination for tropical tuna species</b>	
<b>SC19-EB-IP-20</b>	<b>T.C. Kuo, S. Pursner, S. Prince and D. Gianuca. Tori line experiments on Taiwanese tuna longline fishing vessels in the North Pacific Ocean</b>	
<b>SC19-EB-IP-21</b>	<b>Agreement on the Conservation of Albatrosses and Petrels (ACAP). Updated ACAP Advice on Reducing the Bycatch of Albatrosses and Petrels in WCPFC Fisheries</b>	

## **RESEARCH PROJECTS**

<b><i>JAPAN TRUST FUND</i></b>		
<b>SC19-RP-JTF-01</b>	<b>Secretariat. Japan Trust Fund Status Report (2023)</b>	
<b>SC19-RP-JTF-02</b>	<b>Secretariat. Japan Trust Fund Steering Committee Meeting Report (2023)</b>	
<b><i>PACIFIC MARINE SPECIMEN BANK (PROJECT 35B)</i></b>		
<b>SC19-RP-P35b-01</b>	<b>SPC-OFP. Project 35b: WCPFC Pacific Marine Specimen Bank</b>	
<b>SC19-RP-P35b-02</b>	<b>PMSB Steering Committee. Report of the Pacific Marine Specimen Bank Steering Committee</b>	
<b><i>PACIFIC TUNA TAGGING PROJECT</i></b>		
<b>SC19-RP-PTTP-01</b>	<b>SPC-OFP. Project 42: Pacific Tuna Tagging Project Report and Work-plan for 2023-2026</b>	
<b>SC19-RP-PTTP-02</b>	<b>SPC-OFP. Project 42: Report of the Pacific Tuna Tagging Project Steering Committee</b>	
<b><i>WEST PACIFIC EAST ASIA PROJECT</i></b>		



<b>SC19-RP-WPEA-01</b>	Lars Olsen. <b>WPEA-ITM Project Update</b>	ODF T14
<b>SC19-RP-WPEA-02</b>	Barbara Hanchard. <b>WPEA-ITM: End of Project Gap Analysis Report</b>	

## **ANNUAL REPORT – PART 1**

<b>Symbol</b>	<b>CCMs</b>
AR-CCM-01	Australia
AR-CCM-02	Canada
AR-CCM-03	China
AR-CCM-04	Cook Islands
AR-CCM-05	European Union
AR-CCM-06	Federated States of Micronesia
AR-CCM-07	Fiji
<i>Covered by its territories</i>	<i>France</i>
AR-CCM-08	French Polynesia
AR-CCM-09	Indonesia
AR-CCM-10	Japan
AR-CCM-11	Kiribati
AR-CCM-12	Korea
AR-CCM-13	Marshall Islands
AR-CCM-14	Nauru
AR-CCM-15	New Caledonia
AR-CCM-16	New Zealand
AR-CCM-17	Niue
AR-CCM-18	Palau
AR-CCM-19	Papua New Guinea
AR-CCM-20	Philippines
AR-CCM-21	Samoa
AR-CCM-22	Solomon Islands
AR-CCM-23	Chinese Taipei
AR-CCM-24	Tokelau
AR-CCM-25	Tonga
AR-CCM-26	Tuvalu
AR-CCM-27	United States of America
AR-CCM-28	Vanuatu
AR-CCM-29	Wallis and Futuna
<i>Covered by USA Annual Report</i>	<i>American Samoa</i>
	<i>Guam</i>
	<i>Northern Mariana Islands</i>
AR-CNM-30	(Placeholder)
AR-CNM-31	Curacao
AR-CNM-32	Ecuador
AR-CNM-33	El Salvador
AR-CNM-34	Liberia
AR-CNM-35	Nicaragua
AR-CNM-36	Panama

AR-CNM-37	Thailand
AR-CNM-38	Vietnam

## **NGO and Others**

<b>Symbol</b>	<b>Title</b>
<b>SC19-OP-01</b>	I. Ziegler, A. Hammond, S. Millward, K. Woodroffe, C. Vail, L. Guida, A. HOFFORD, R. Arauz. <b>Analysis of the Marine Stewardship Council’s policy on shark finning and the opportunity for adoption of a ‘Fins Naturally Attached’ policy in the MSC Fisheries Standard Review</b>
<b>SC19-OP-02</b>	SHARKPROJECT. <b>Statement to the Western and Central Pacific Fisheries Commission, 19th Regular Session of the Scientific Committee</b>
<b>SC19-OP-03</b>	BirdLife International. <b>BirdLife International Statement to the 19<sup>th</sup> session of the WCPFC Scientific Committee (SC19)</b>
<b>SC19-OP-04</b>	FFSAPI and SARGEN HANDLINE. <b>Appeal for the development of harvest control rules and harvest strategy for yellowfin and bigeye tunas</b>
<b>SC19-OP-05</b>	The Pew Charitable Trusts. <b>Statement to the Western and Central Pacific Fisheries Commission, 19<sup>th</sup> Regular Session of the Scientific Committee</b>
<b>SC19-OP-06</b>	WWF. <b>WWF Position to the 19<sup>th</sup> Regular Session of the Scientific Committee (SC) of the Western Central Pacific Fisheries Commission (WCPFC): Koror, Palau - August 16 – 24, 2023</b>

## **PRESENTATIONS** ([Refer to SC19 website](#))

<b>Symbol</b>	<b>Title</b>	