



**SCIENTIFIC COMMITTEE  
SIXTEENTH REGULAR SESSION**

**ELECTRONIC MEETING**

12 – 19 August 2020

**LIST OF DOCUMENTS**

WCPFC-SC16-2020-07 ([Rev.04](#))  
[29 Nov. 2020](#)

**MEETING INFORMATION**

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| <b>WCPFC-SC16-2020-01</b> | Meeting notice and information  |
| <b>WCPFC-SC16-2020-02</b> | Provisional agenda  |
| <b>WCPFC-SC16-2020-03</b> | Provisional annotated agenda/ Provisional theme agenda                              |
| <b>WCPFC-SC16-2020-04</b> | Virtual meeting protocol  |
| <b>WCPFC-SC16-2020-05</b> | Provisional online discussion forum topics  |
| <b>WCPFC-SC16-2020-06</b> | Indicative schedule   |
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| <b>WCPFC-SC16-2020-08</b> | Provisional agenda for Heads of Delegation meeting                                  |
| <b>WCPFC-SC16-2020-09</b> | Provisional agenda of the Japan Trust Fund Steering Committee Meeting               |
| <b>WCPFC-SC16-2020-10</b> | Provisional agenda of the Pacific Tuna Tagging Programme Steering Committee Meeting |
| <b>WCPFC-SC16-2020-11</b> | Provisional agenda of the WCPFC Tuna Tissue Bank Steering Committee Meeting         |

**GENERAL PAPERS**

| <b><i>GENERAL PAPERS – Working Papers</i></b>     |   |         |
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| <b><i>GENERAL PAPERS – Information Papers</i></b> |   |         |
| <b>SC16-GN-IP-01</b>                              | Peter Williams and Thomas Ruaia. <b>Overview of tuna fisheries in the Western and Central Pacific Ocean, including economic conditions – 2019</b> | Topic 1 |
| <b>SC16-GN-IP-02</b>                              | IATTC. <b>The Tuna Fishery in the Eastern Pacific Ocean in 2019</b>   |         |
| <b>SC16-GN-IP-03</b>                              | ISC. <b>Report of the Twentieth Meeting of the International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean</b>   |         |
| <b>SC16-GN-IP-04</b>                              | Secretariat. <b>Cooperation with other organizations</b>  |         |
| <b>SC16-GN-IP-05</b>                              | Secretariat. <b>Issues arising from the Commission</b>  |         |
| <b>SC16-GN-IP-06</b>                              | Secretariat. <b>Intersessional activities of the Scientific Committee</b>   |         |
| <b>SC16-GN-IP-07</b>                              | WCPFC Secretariat and SPC-OFP. <b>Update on streamlining of annual reporting initiatives</b>  | Topic 6 |

**SCIENCE-RELATED DOCUMENTS PRESENTED AT WCPFC16**

|                    |   |
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| WCPFC16-2019-09    | SPC-OFP. An overview of progress in developing WCPFC Harvest Strategies   |
| WCPFC16-2019-10    | SPC-OFP. Using performance indicators to select a management procedure for skipjack (update of SC15-SC16-MI-WP-09)  |
| WCPFC16-2019-11    | SPC-OFP. Using the PIMPLE software to explore skipjack performance indicators   |
| WCPFC16-2019-14    | SPC-OFP. Current and projected stock status of WCPO skipjack tuna to inform consideration of an updated target reference point (update of SC15-SC16-MI-IP-09/MOW3-WP-03)              |
| WCPFC16-2019-15    | SPC-OFP. Minimum Target Reference Points for WCPO yellowfin and bigeye tuna consistent with alternative LRP risk levels, and multispecies implications (update of SC15-SC16-MI-WP-01) |
| WCPFC16-2019-16    | SPC-OFP. Results of Initial Evaluations of Management Procedures for Skipjack (update of SC15-SC16-MI-WP-05)  |
| WCPFC16-2019-17    | SPC-OFP. Evaluation of CMM 2018-01 (update of SC15-SC16-MI-WP-11)   |
| WCPFC16-2019-19    | SPC-OFP. Alternative Trajectories to achieve the South Pacific albacore interim TRP (Update of SC15-SC16-MI-WP-02)  |
| WCPFC16-2019-20    | SPC-OFP. Performance indicators for comparing management procedures for South Pacific albacore using the MSE modelling framework (update of SC15-SC16-MI-WP-03)                       |
| WCPFC16-2019-IP-08 | SPC-OFP. Trends in the South Pacific Albacore Longline and Troll Fisheries (update of SC15-SC16-SA-WP-08)   |

**DATA AND STATISTICS THEME**

| <i>ST THEME – Working Papers</i>     |   |         |
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| SC16-ST-WP-01                        | SPC-OFP. Scientific data available to the Western and Central Pacific Fisheries Commission  | 2.1     |
| <i>ST THEME – Information Papers</i> |   |         |
| SC16-ST-IP-01                        | P. Williams. Estimates of annual catches in the WCPFC statistical area  | 2.1     |
| SC16-ST-IP-02                        | Peter Williams, Aurélien Panizza, Colley Falasi, Epa Loganimoce and Emmanuel Schneiter. Status of observer data management  | 2.1     |
| SC16-ST-IP-03 (Rev.01)               | P. Williams. An update on cannery data with potential use to the WCPFC  | Topic 2 |
| SC16-ST-IP-04                        | T. Peatman, P. Williams, S. Nicol. Project 60: Progress towards achieving SC15 recommendations  | Topic 3 |
| SC16-ST-IP-05                        | T. Peatman. USA purse seine catch composition   | Topic 3 |
| SC16-ST-IP-06                        | J. Macdonald, P. Williams, C. Sanchez, E. Schneiter, M. Ghergariu, M. Hosken, A. Panizza, T. Park. Project 90 update: Better data on fish weights and lengths for scientific analyses | Topic 5 |
| SC16-ST-IP-07                        | SPC, FFA, PNAO. Report of the DCC Meeting for the Review of Longline Electronic Monitoring (EM) Data Fields   |         |

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| SC16-ST-IP-08 | SPC, PNAO, FFA. <b>Electronic Reporting and Electronic Monitoring Implementation Status – July 2020</b>   |         |
| SC16-ST-IP-09 | H. Murua, M. Herrera, J. Morón, F. Abascal, G. Legorburu, M. Hosken, M. Roman, A. Panizza, M. Wichman, G. Moreno, V. Restrepo. <b>Comparing Electronic Monitoring and human observer collected fishery data in the tropical tuna purse seine operating in the Western and Central Pacific Ocean</b> |         |
| SC16-ST-IP-10 | M. Hosken, F. Blaha, F. Lasi. <b>Estimation of variability in Purse Seine transshipment weights</b>   |         |
| SC16-ST-IP-11 | T. Peatman and S. Nicol. <b>Updated longline bycatch estimates in the WCPO</b>  | Topic 4 |
| SC16-ST-IP-12 | P. Williams, G. Pilling and S. Nicol. <b>Available data on Cetacean interactions in the WCPFC longline and purse seine fisheries</b>  | Topic 4 |
| SC16-ST-IP-13 | Isidro C. Tanangonan, Marlo B. Demo-os, Jeric S. Jara, Rafael V. Ramiscal, Alma C. Dickson. <b>Group Seine Operations of Philippine Flagged Vessels in High Seas Pocket 1 (HSP1)</b>  |         |
| SC16-ST-IP-14 | Ulysses M. Montojo, Virginia H. Delos Santos, Camille M. Narida, Ivy Y. Febreo, Deserie M. Peralta, Riza Jane S. Banicod, and Omar M. Sabal. <b>Estimation of Post-Harvest Losses of Fish Transported Using Ice-chilled Carrier Boats from High Seas Pocket 1</b>                                   |         |

#### STOCK ASSESSMENT THEME

| <i>SA THEME – Working Papers</i>     |   |                       |
|--------------------------------------|---|-----------------------|
| SC16-SA-WP-01                        | S. Hare, G. Pilling, P. Williams. <b>A compendium of fisheries indicators for target tuna stocks in the WCPFC Convention Area</b>   | Topic 8               |
| SC16-SA-WP-02                        | J. Farley, K. Krusic-Golub, P. Eveson, N. Clear, F. Roupsard, C. Sanchez, S. Nicol, J. Hampton. <b>Age and growth of yellowfin and bigeye tuna in the western and central Pacific Ocean from otoliths</b> | 3.1<br>Topic 18       |
| SC16-SA-WP-03                        | N. Ducharme Barth, M. Vincent, J. Hampton, P. Hamer, P. Williams, G. Pilling. <b>Stock assessment of bigeye tuna in the western and central Pacific Ocean</b>   | 3.2<br>Topic 19       |
| SC16-SA-WP-04                        | M. Vincent, N. Ducharme Barth, P. Hamer, J. Hampton, P. Williams, G. Pilling. <b>Stock assessment of yellowfin tuna in the western and central Pacific Ocean</b>  | 3.3<br>Topic 20       |
| SC16-SA-WP-05                        | ISC. <b>Stock Assessment of Albacore Tuna in the North Pacific Ocean in 2020</b>  | 3.4                   |
| SC16-SA-WP-06                        | ISC. <b>Stock Assessment of Pacific Bluefin Tuna in the Pacific Ocean in 2020</b>   | 3.5                   |
| <i>SA THEME – Information Papers</i> |   |                       |
| SC16-SA-IP-01                        | Nick Davies, Dave Fournier, Fabrice Bouyé, and John Hampton. <b>Development in the MULTIFAN-CL software 2019-20</b>   |                       |
| SC16-SA-IP-02                        | P. Hamer, G. Pilling. <b>Report from the SPC pre-assessment E-workshop, Noumea, April 2020</b>  |                       |
| SC16-SA-IP-03                        | P. Eveson, M. Vincent, J. Farley, K. Krusic-Golub, J. Hampton. <b>Integrated growth models from otolith and tagging data for</b>  | 3.2, 3.3,<br>Topic 18 |

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|-------------------------------|---|------------------------------------|
|                               | <b>yellowfin and bigeye tuna in the western and central Pacific Ocean</b>   |                                    |
| <b>SC16-SA-IP-04</b>          | T. Peatman. <b>Analysis of tag seeding data and reporting rates for purse seine fleets</b>  | Topic 19,<br>Topic 20              |
| <b>SC16-SA-IP-05</b>          | J. Scutt Phillips, T. Peatman, M. Vincent, S. Nicol. <b>Analysis of tagging data for the 2020 tropical tuna assessments: tagger and condition effects</b>   | Topic 19,<br>Topic 20              |
| <b>SC16-SA-IP-06</b>          | M. T. Vincent, Nicholas Ducharme-Barth, Paul Hamer. <b>Background analyses for the 2020 stock assessments of bigeye and yellowfin tuna</b>  | 3.2, 3.3,<br>Topic 19,<br>Topic 20 |
| <b>SC16-SA-IP-07</b>          | N. Ducharme-Barth and M. Vincent. <b>Analysis of Pacific-wide operational longline dataset for bigeye and yellowfin tuna catch-per-unit-effort (CPUE)</b>   | 3.2, 3.3,<br>Topic 19,<br>Topic 20 |
| <b>SC16-SA-IP-08</b>          | T. Vidal and P. Hamer. <b>Developing yellowfin tuna recruitment indices from drifting FAD purse seine catch and effort data</b>   | 3.3<br>Topic 20                    |
| <b>SC16-SA-IP-09</b>          | T. Vidal, P. Hamer, L. Escalle, G. Pilling. <b>Assessing trends in skipjack tuna abundance from purse seine catch and effort data in the WCPO.</b>  |                                    |
| <b>SC16-SA-IP-10</b>          | J. Scutt Phillips, I. Senina, E. van Sebille, A. sen Gupta, T. Peatman, S. Nicol. <b>Preliminary analysis and simulation of tag mixing and it's implication on the assessment of WCPO skipjack tuna</b>   |                                    |
| <b>SC16-SA-IP-11</b>          | S. Hare, G. Pilling, P. Williams, and the WCPFC Secretariat. <b>Trends in the South Pacific albacore longline and troll fisheries</b>   |                                    |
| <b>SC16-SA-IP-12</b>          | Laura Tremblay-Boyer, Katrin Berkenbusch. <b>Data review and potential assessment approaches for Mobulids in the Western and Central Pacific Ocean</b>  | Topic 9                            |
| <b>SC16-SA-IP-13</b>          | S. Hare, P. Hamer, G. Pilling. <b>Southwest Pacific striped marlin stock projections to evaluate CMM 2004-06</b>  | Topic 10                           |
| <b>SC16-SA-IP-14</b>          | G. Anderson, J. Hampton, J. Macdonald, S. Nicol, J. S. Phillips. <b>The application of genetics and genomics to Pacific fisheries by SPC and implications for the WCPFC Tuna Tissue Bank</b>  |                                    |
| <b>SC16-SA-IP-15</b>          | M. Bravington, J. Farley, J. Hampton, S. Nicol. <b>Preliminary analyses for a Close Kin Mark Recapture feasibility study in WCPO</b>  |                                    |
| <b>SC16-SA-IP-16</b>          | Evans, K., Grewe, P., Foster, S, Gosselin, T., Gunasekera, R., Fitchett, M., Holdsworth, J., Lam, C. H., Lansdell, M., Lutcavage, M., Meredith, S., Rounsard, F., Ruchimat, T., Sarau, S., Tam, C. and Wichman, M. <b>Connectivity of tuna and billfish species targeted by the Australian Eastern Tuna and Billfish Fishery with the broader Western Pacific Ocean</b> |                                    |
| <b>SC16-SA-IP-17 (Rev.01)</b> | Jessica Farley, Allen Andrews, Naomi Clear, John Hampton, Taiki Ishihara, Kyne Krusic-Golub, Jed MacDonald, Kei Okamoto, Keisuke Satoh, Ashley Williams. <b>Report on the bomb radiocarbon age validation workshop for tuna and billfish in the WCPO</b>  | Topic 17                           |
| <b>SC16-SA-IP-18</b>          | T. Peatman, N. Ducharme Barth, M. Vincent. <b>Analysis of purse seine and longline size frequency data for bigeye and yellowfin tuna in the WCPO</b>  | Topic 19,<br>Topic 20              |

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| SC16-SA-IP-19 | Keith Bigelow, Elaine Garvilles, Lilian Garcia, Suzette Barcoma and Maria Angelica Cecilio. <b>Relative abundance of yellowfin tuna for the purse seine and handline fisheries operating in the Philippines Moro Gulf (Region 12) and High Seas Pocket #1.</b> | Topic 20 |
| SC16-SA-IP-20 | SPC-OPF. <b>Draft research plan for ‘key’ tuna species in the WCPO</b>   |          |
| SC16-SA-IP-21 | Jessica Farley, Kyne Krusic-Golub, Keller Kopf. <b>Southwest Pacific Striped Marlin Population Biology (Project 99)</b>  |          |

## MANAGEMENT ISSUES THEME

| <i>MI THEME – Working Papers</i>     |  |          |
|--------------------------------------|--|----------|
| SC16-MI-WP-01                        | R. Scott, F. Scott, G. M. Pilling, P. Hamer and J. Hampton. <b>Further consideration of candidate target reference points for bigeye and yellowfin tuna in the WCPO</b>                | 4.1.1.1  |
| SC16-MI-WP-02                        | G. Pilling. <b>Updates to WCPO skipjack tuna projected stock status to inform consideration of an updated target reference point</b>   | 4.1.1.2  |
| SC16-MI-WP-03                        | P. Hamer, R. Scott, F. Scott, N. Yao, J. Singh, J. Hampton, G. Pilling. <b>Overview of recent developments and key decisions for harvest strategies for WCPFC stocks and fisheries</b> | 4.1.2    |
| <i>MI THEME – Information Papers</i> |  |          |
| SC16-MI-IP-01                        | G. Pilling. <b>Additional trajectories to achieve the South Pacific albacore interim TRP</b>   | 4.1.2    |
| SC16-MI-IP-02                        | J. Singh, F. Scott, R. Scott and N. Yao. <b>Developing the monitoring strategy for the WCPFC harvest strategy for WCPO skipjack</b>  | 4.1.2    |
| SC16-MI-IP-03                        | R. Scott, F. Scott, G. Pilling, J Hampton. <b>Results of re-evaluations of management procedures for skipjack tuna in the WCPO</b>   | 4.1.2    |
| SC16-MI-IP-04                        | N. Yao, R. Scott, F. Scott, J. Singh. <b>Retrospective CPUE forecasting of south Pacific albacore</b>  | 4.1.2    |
| SC16-MI-IP-05                        | N. Yao, J. Singh, R. Scott, F. Scott. <b>HCR design considerations for south Pacific albacore</b>  | 4.1.2    |
| SC16-MI-IP-06                        | F. Scott, J. Singh, R. Scott, N. Yao, G. M. Pilling and J. Hampton. <b>Further consideration of the mixed fishery management strategy evaluation framework for WCPO tuna stocks</b>    | 4.1.2    |
| SC16-MI-IP-07                        | F. Scott, R. Scott, N. Yao, J. Singh, N. Ducharme Barth and M. Vincent. <b>Developing a set of diagnostics and outputs for MULTIFAN-CL stock assessments</b>                           | 4.1.2    |
| SC16-MI-IP-08                        | R. Scott, F. Scott, G. M. Pilling, P. Hamer and J. Hampton. <b>Updating the WCPO skipjack operating models for the 2019 stock assessment</b>   | 4.1.2    |
| SC16-MI-IP-09                        | R. Scott, F. Scott, G. Pilling, J Hampton. <b>Developing management procedures for WCPO skipjack: The Estimation Model</b>   | 4.1.2    |
| SC16-MI-IP-10                        | R. Scott, F. Scott, G. Pilling, P. Hamer, J. Hampton. <b>Simulating future data for WCPO skipjack harvest strategy evaluations</b>   | 4.1.2    |
| SC16-MI-IP-11                        | I. Mosquera. <b>Report on the <del>second</del> <u>THIRD</u> external MSE review: Developments in the South Pacific albacore MSE framework</b>   | 4.1.2    |
| SC16-MI-IP-12                        | P. Hamer and G. Pilling. <b>Terms of Reference for a project to identify appropriate Limit Reference Points for Southwest</b>  | Topic 12 |

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|                      | <b>Pacific Ocean striped marlin and consideration of other billfish species</b>  |          |
| <b>SC16-MI-IP-13</b> | L. Escalle, T. Vidal, S. Hare, P. Hamer, G. Pilling and the PNA Office. <b>Estimates of the number of FAD deployments and active FADs per vessel in the WCPO</b>                             | Topic 16 |
| <b>SC16-MI-IP-14</b> | L. Escalle, B. Muller, S. Hare, P. Hamer, G. Pilling and the PNA Office. <b>Report on analyses of the 2016/2020 PNA FAD tracking programme</b>   | Topic 16 |
| <b>SC16-MI-IP-15</b> | T. Vidal, P. Hamer, M. Wichman., and the PNAO. <b>Examining Indicators of Technological and Effort Creep in the WCPO Purse Seine Fishery</b>   | Topic 16 |
| <b>SC16-MI-IP-16</b> | Marino-O-Te-Au Wichman, Tiffany Vidal, Paul Hamer. <b>Purse Seine Effort Creep Research Plan</b>   | Topic 16 |
| <b>SC16-MI-IP-17</b> | PH-NFRDI, PH-BFAR, SPC-OFP. <b>Availability of catch estimates from the other commercial fisheries in the Philippines</b>  | Topic 17 |
| <b>SC16-MI-IP-18</b> | ID-MMAF and SPC-OFP. <b>Availability of catch estimates from the other commercial fisheries in Indonesia</b>   | Topic 17 |
| <b>SC16-MI-IP-19</b> | WCPFC Secretariat and SPC. <b>Catch and effort tables on tropical tuna CMMs</b>  | Topic 16 |
| <b>SC16-MI-IP-20</b> | L. Escalle, B. Vanden Heuvel, R. Clarke, G. Pilling. <b>Updates on Project 88: FAD acoustics analyses</b>  | Topic 13 |
| <b>SC16-MI-IP-21</b> | Shijie Zhou, Matthew Dunn, Ashely Williams. <b>Appropriate reference points for WCPO elasmobranchs (Project 103)</b>   | Topic 11 |
| <b>SC16-MI-IP-22</b> | Darci Wallis, Don Bromhead, Trent Timmiss, James Larcombe, Kerrie Robertson, Mat Kertesz. <b>A review of potential options for managing swordfish taken as bycatch in longline fisheries</b> | Topic 14 |
| <b>SC16-MI-IP-23</b> | G.M. Pilling, P. Hamer, P. Williams and J. Hampton. <b>Evaluation of CMM 2018-01 for tropical tuna</b>   | Topic 16 |
| <b>SC16-MI-IP-24</b> | Fayakun Satria, Lilis Sadiyah, I Gede Bayu Sedana, Trian Yunanda, Putuh Suadela. <b>Harvest Strategies for Tropical Tuna in Archipelagic Waters of Indonesia: Update</b>                     |          |

## **ECOSYSTEM AND BYCATCH MITIGATION THEME**

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| <b><i>EB THEME – Working Papers</i></b>     |  |          |
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| <b><i>EB THEME – Information Papers</i></b> |  |          |
| <b>SC16-EB-IP-01</b>                        | S. Brouwer and P. Hamer. <b>2021-2025 Shark Research Plan</b>  | Topic 15 |
| <b>SC16-EB-IP-02</b>                        | Lauriane Escalle, Steven Hare, Andrew Hunt, Chloé Faure, Kydd Pollock, Tiare-Renee Nicholas, Mainui Tanetoa, Jamel James, Beau Bigler and Graham Pilling. <b>In-country initiatives to collect data on beached and lost drifting FADs, towards a regional database of in-situ data</b> | Topic 16 |
| <b>SC16-EB-IP-03</b>                        | Naiten Bradley Phillip Jr. and Lauriane Escalle. <b>Updated evaluation of drifting FAD construction materials in the WCPO</b>  | Topic 16 |
| <b>SC16-EB-IP-04</b>                        | Valerie Allain, Naiten Bradley Phillip Jr., Shane Griffiths, Jed Macdonald, Joe Scutt Phillips, Simon Nicol, Neville Smith. <b>EcoSEA workshop: Ecosystem modelling in the WCPO: current status and future directions</b>  |          |

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| <b>SC16-EB-IP-05</b> | I. Senina, P. Lehodey, S. Nicol, J. Scutt Phillips, J. Hampton.<br><b>SEAPODYM: revisiting bigeye reference model with conventional tagging data</b>   |          |
| <b>SC16-EB-IP-06</b> | A. Dunn, D. Webber. <b>Review of SEAPODYM, including recent developments and as an ecosystem model for tropical tunas and important bycatch species in the Western Pacific Ocean</b>   |          |
| <b>SC16-EB-IP-07</b> | V. Allain, J. Macdonald, S. Nicol, J. Scutt-Phillips, E. Vourey.<br><b>Ecosystem and Climate Indicators for consideration within the WCPO</b>  |          |
| <b>SC16-EB-IP-08</b> | G. Moreno, J. Salvador, J. Murua, N. B. Phillip Jr., H. Murua, L. Escalle, B. Ashigbui, I. Zudaire, G. Pilling, V. Restrepo. <b>A multidisciplinary approach to build new designs of biodegradable Fish Aggregating Devices (FADs)</b> | Topic 16 |
| <b>SC16-EB-IP-09</b> | E. Gilman, M. Chaloupka, M. Fitchett, D. L. Cantrell, M. Merrifield.<br><b>Ecological responses to blue water MPAs</b>   |          |
| <b>SC16-EB-IP-10</b> | E. Gilman, M. Chaloupka, P. Bach, H. Fennell, M. Hall, M. Musyl, S. Piovano, F. Poisson, L. Song. <b>Effect of pelagic longline bait type on species selectivity: A global synthesis of evidence</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                          |
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| AR-CCM-16                         | New Zealand                    |
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| AR-CCM-25                           | Tonga                           |
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| <i>Covered by USA Annual Report</i> | <i>American Samoa</i>           |
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| AR-CNM-30                           | Ecuador                         |
| AR-CNM-31                           | El Salvador                     |
| AR-CNM-32                           | Liberia                         |
| AR-CNM-33                           | Nicaragua                       |
| AR-CNM-34                           | Panama                          |
| AR-CNM-35                           | Thailand                        |
| AR-CNM-36                           | Vietnam                         |

## **RESEARCH PROJECTS**

|  |   |  |
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| <b><i>GEF ABNJ Shark and BMIS project</i></b>      |   |  |
| <b><i>JAPAN TRUST FUND</i></b>                     |   |  |
| <b>SC16-RP-JTF-01</b>                              | Secretariat. <b>Japan Trust Fund Status Report (2020)</b>   |  |
| <b>SC16-RP-JTF-02</b>                              | Secretariat. <b>Japan Trust Fund Steering Committee Meeting Report (2020)</b>   |  |
| <b><i>WCPFC TUNA TISSUE BANK (PROJECT 35B)</i></b> |   |  |
| <b>SC16-RP-P35b-01</b>                             | SPC-OFP. <b>Project 35b: WCPFC Tuna Tissue Bank</b>   |  |
| <b>SC16-RP-P35b-02</b>                             | J. Macdonald, F. Roupsard, B. Leroy, C. Sanchez, M. Hosken, J. Hampton, G. Anderson, S. Nicol. <b>Appraisal of new biological sampling approaches for tropical tunas on purse seiners</b> |  |
| <b>SC16-RP-P35b-03</b>                             | TTB Steering Committee. <b>Report of the Tuna Tissue Bank Steering Committee</b>  |  |
| <b><i>PACIFIC TUNA TAGGING PROJECT</i></b>         |   |  |
| <b>SC16-RP-PTTP-01</b>                             | SPC-OFP. <b>Report of the Pacific Tuna Tagging Programme Steering Committee</b>   |  |
| <b>SC16-RP-PTTP-02</b>                             | SPC-OFP. <b>Project 42: Pacific Tuna Tagging Project Report for 2019-2022</b>   |  |
| <b><i>WEST PACIFIC EAST ASIA PROJECT</i></b>       |   |  |
| <b>SC16-RP-WPEA-01</b>                             | Alice McDonald. <b>WPEA-ITM Project Update</b>  |  |

## **NGO and Others**

|                                  |   |
|----------------------------------|---|
| <b>The Pew Charitable Trusts</b> | <b>Statement to the 16<sup>th</sup> Regular Session of the WCPFC Scientific Committee</b> |
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## **PRESENTATIONS**



| <b>Symbol</b>                   | <b>Title</b>  |  |
|---------------------------------|---|--|
| <b>A2.1 (SC16-ST-WP-01)</b>     | <b>SPC-OFP. Data Gaps in the WCPFC Tuna Fisheries</b>   |  |
| <b>A3.1 (SC16-SA-WP-02)</b>     | <b>CSIRO. Age and growth of yellowfin and bigeye tuna in the western and central Pacific Ocean from otoliths</b>                  |  |
| <b>A3.2 (SC16-SA-WP-03)</b>     | <b>SPC-OFP. Stock assessment of bigeye tuna in the WCPO</b>   |  |
| <b>A3.3 (SC16-SA-WP-04)</b>     | <b>SPC-OFP. Stock assessment of yellowfin tuna in the WCPO</b>  |  |
| <b>A3.4 (SC16-SA-WP-05)</b>     | <b>ISC. Stock assessment of North Pacific albacore tuna</b>   |  |
| <b>A3.5 (SC16-SA-WP-06)</b>     | <b>ISC. Stock assessment of Pacific bluefin tuna</b>  |  |
| <b>A4.1.1.1 (SC16-MI-WP-01)</b> | <b>SPC-OFP. Further consideration of candidate target reference points for bigeye and yellowfin tuna in the WCPO</b>              |  |
| <b>A4.1.1.2 (SC16-MI-WP-02)</b> | <b>SPC-OFP. Updates to WCPO skipjack tuna projected stock status to inform consideration of an updated target reference point</b> |  |
| <b>A4.1.2 (SC16-MI-WP-03)</b>   | <b>SPC-OFP. Overview of recent developments and key decisions for harvest strategies for WCPFC stocks and fisheries</b>           |  |