# 

**SCIENTIFIC COMMITTEE**

**TWELFTH REGULAR SESSION**

**Bali, Indonesia**

**3-11 August 2016**

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| **PROVISIONAL LIST OF DOCUMENTS** |

**WCPFC-SC12-2016/06**

**Rev 2(28 July 2016)**

**MEETING INFORMATION**

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| **WCPFC-SC12-2016-01** | Meeting notice and information |
| **WCPFC-SC12-2016-02** | Provisional agenda |
| **WCPFC-SC12-2016-03** | Provisional annotated agenda / Provisional theme agenda |
| **WCPFC-SC12-2016-04** | Indicative schedule |
| **WCPFC-SC12-2016-05** | Registration form |
| **WCPFC-SC12-2016-06** | List of Documents Rev 2 |
| **WCPFC-SC12-2016-07** | Provisional agenda for heads of delegation meeting |
| **WCPFC-SC12-2016-08** | Provisional agenda of the Japan Trust Fund steering committee meeting |
| **WCPFC-SC12-2016-09** | Provisional agenda of the Pacific Tuna Tagging Programme steering committee meeting |

**GENERAL PAPERS**

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| ***GENERAL PAPERS – Working Papers*** | |
| **GN-WP-01** | Williams, P and P. Terawasi. Overview of tuna fisheries in the western and central Pacific Ocean, including economic conditions – 2015 |
| **GN-WP-02** | IATTC. Summary of the fishery and assessments of the major stocks of tuna exploited in the eastern Pacific Ocean. |
| **GN-WP-03** | Secretariat. Issues arising from the Commission. |
| **GN-WP-04** | Secretariat. Intersessional activities of the Scientific Committee. |
| **GN-WP-05** | Secretariat. Process for delivering an independent review |
| **GN-WP-04** | Secretariat. Intersessional activities of the Scientific Committee |
| ***GENERAL PAPERS – Information Papers*** | |
| **GN-IP-01** | Secretariat. Cooperation with other organizations. |
| **GN-IP-02** | ISC. Report of the 16th Meeting of the International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean. |
| **GN-IP-03** | Transferred to GN-WP-05 |
| **GN-IP-04** | Secretariat. Second report on the implementation of the trial WCPFC port coordinators programme. |

**SCIENCE-RELATED DOCUMENTS PRESENTED AT WCPFC11**

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| **SC12-HSW-01** | Cartwright I. Report on the Harvest Strategy Workshop (MOW4) (WCPFC12-2015-23) |
| **SC12-HSW-02** | Potential target reference points for the south Pacific albacore fisheries |
| **SC12-WCPFC12-01** | SPC-OFP Evaluation of CMM 2014-01 for bigeye tuna (WCPFC12-2015-12\_Rev1) |
| **SC12-WCPFC12-02** | SPC-OFP Information Paper: data summaries in support of discussions on the CMMs on tropical tunas (CMM 2013-01 and CMM 2014-01) (WCPFC12 |
| **SC12-WCPFC12-03** | First Meeting of the FAD Management Options – Intersessional Working Group: Summary Report |
| **SC12-WCPFC12-04** | Placeholder |
| **SC12-WCPFC12-05** | EU. Amendment of the "Scientific data to be provided to the Commission" (WCPFC12-2015-DP17) |

**DATA AND STATISTICS THEME**

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| ***ST THEME – Working Papers*** | |
| **ST-WP-01** | Williams P. Scientific data available to the Western and Central Pacific Fisheries Commission |
| **ST-WP-02** | SPC Review of Project 60 outputs and work plan |
| **ST-WP-03** | Lewis A. and P. Williams. Potential use of cannery receipt data for the work of the WCPFC |
| **ST-WP-04** | Skirtun M. and C. Reid - Analyses and projections of economic conditions in WCPO fisheries Rev 1 (11 July 2016) |
| **ST-WP-05** | EU European Union proposal for an Amendment of the "Scientific data  to be provided to the Commission” July 2016 Revision |
| ***THEME – Information Papers*** | |
| **ST-IP-01** | SPC Estimates of annual catches in the WCPFC Statistical Area |
| **ST-IP-02** | Williams P, I. Tuiloma and C. Falasi Status of observer data management |
| **ST-IP-03** | Hampton J. and P. Williams. Estimates of purse seine catches by species based on alternative data sources |
| **ST-IP-04** | Hosken M., P. Williams and N Smith. Update on the Implementation of Electronic Monitoring (EM) and Electronic Reporting (ER) technologies in the WCPO |
| **ST-IP-05** | Lestari P , R. J. G. Lester and C. Proctor Symbionts of bigeye and yellowfin tuna as potential Stock markers for tuna in Indonesia archipelagic waters. |
| **ST-IP-06** | Widodo A. A., Wudianto, C. Proctor, F. Satria, Mahiswara, M. Natsir, I. G. B. Sedana, I. T. Hargiyatno and S. Cooper. Characteristics of tuna fisheries associated with Indonesian anchored FADs in waters of the West Pacific and the Indonesian archipelago |
| **ST-IP-07** | Ramiscal, R. V. A. C. Dickson, I. Tanangonan, M. Demo-os, and J. Jara. Group Seine Operations of Philippine Flagged Vessels in High Seas Pocket 1 (HSP1) |
| **ST-IP-08** | Dickson, A.C., M. Demo-os, I. Tanangonan, J. S. Jara and R. V. Ramiscal. Pilot Test of MARLIN (Electronic Logsheet) Operation in High Seas Pocket 1 |
| **ST-IP-09** | PNA Office Purse seine fishing activity in PNA waters |

**STOCK ASSESSMENT THEME**

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| ***SA THEME – Working Papers*** | |
| **SA-WP-01** | Grewe P. M., H. E. Irianto, C. H. Proctor, M. S. Adam, A. R. Jauhary, K. Schafer, D. Itano, A. Killian and C. R. Davies. Population structure and provenance of tropical tunas: recent results from high throughput genotyping and potential implications for monitoring and assessment. |
| **SA-WP-02** | Scott R., N. Davies, G.M. Pilling and J. Hampton. Retrospective forecasting of the 2014 WCPO bigeye tuna stock assessment |
| **SA-WP-03** | Pilling G., R. Scott, P. Williams and J. Hampton. A compendium of fisheries indicators for tuna stocks not assessed in 2016 (bigeye and yellowfin tuna) |
| **SA-WP-04** | McKechnie S., J. Hampton, G. M. Pilling and N. Davies. Stock assessment of skip jack tuna in the western and central Pacific Ocean |
| **SA-WP-05** | Kiyofuji, H. Skipjack catch per unit effort (CPUE) in the WCPO from the Japanese pole-and-line fisheries. |
| **SA-WP-06** | Pilling G. M. and P. Williams Recent trends in the south Pacific albacore fishery |
| **SA-WP-06a** | Excel: SPA vessel number latitude flag |
| **SA-WP-06b** | Excel: SPA catch proportion latitude flag |
| **SA-WP-07** | ISC PBFWG Pacific Bluefin Stock Assessment |
| **SA-WP-08** | Takeuchi Y., L. Tremblay-Boyer, G.M. Pilling and J. Hampton Assessment of blue shark in the southwestern Pacific Rev 1 (28 July 2016) |
| **SA-WP-09** | Tremblay-Boyer L. and Y. Takeuchi. Catch and CPUE inputs to the South Pacific blue shark stock assessment Rev 1 (27 July 2016) |
| **SA-WP-10** | Reassigned SA-IP-17 |
| **SA-WP-11** | Farley J., N. Clear, D. Kolody, K. Krusic-Golub, P. Eveson and J. Young. Determination of swordfish growth and maturity relevant to the southwest Pacific stock. |
| **SA-WP-12** | ISC BFWG tock Assessment Update for Blue Marlin (Makaira nigricans) in the Pacific Ocean through 2014 |
| ***SA THEME – Information Papers*** | |
| **SA-IP-01** | Pilling G. and S. Brouwer. Report from the SPC pre-assessment workshop, Noumea, April 2016 |
| **SA-IP-02** | Grewe P. M., P. Feutry, P. L. Hill, R. M. Gunasekera, K.M. Schaefer, D. G. Itano, D.W. Fuller, S. D. Foster and C.R. Davies. Evidence of discrete yellowfin tuna (*Thunnus albacares*) populations demands rethink of management for this globally important resource. |
| **SA-IP-03** | Rico C Innovative Technologies for Tunas’ Assessment for Compliance Across the Oceans (ITTACA-OCEANS) |
| **SA-IP-04** | Tremblay-Boyer L, G. Pilling, B. Kumasi and T. Usu. Standardized CPUE for skipjack tuna (Katsuwonus pelamis ) from the Papua New Guinea archipelagic purse seine fishery. |
| **SA-IP-05** | McKechnie S., D. Ochi, H. Kiyofuji, T. Peatman and S. Caillot. Construction of tagging data input files for the 2016 skip jack tuna stock assessment in the western and central Pacific Ocean |
| **SA-IP-06** | McKechnie S. Summary of fisheries structures for the 2016 stock assessment of skip jack tuna in the western and central Pacific Ocean |
| **SA-IP-07** | SPC Comparison of MULTIFAN-CL and Stock Synthesis platforms for the 2014 skipjack assessment. |
| **SA-IP-08** | Ochi D., H. Ijima and H. Kiyofuji. A re-consideration of growth pattern of skipjack on the western central Pacific. Rev 1 (19 July 2016) |
| **SA-IP-09** | Kiyofuji, H. and D. Ochi. Proposal of alternative spatial structure for skipjack stock assessment in the WCPO. |
| **SA-IP-10** | Davies N., D. Fournier, F. Bouyé, and J. Hampton. Developments in the MULTIFAN-CL software 2015-2016 |
| **SA-IP-11** | Campbell R. Time-line of fleet and management changes in Australia’s tropical tuna longline fishery. Rev 1 (19 July 2016) |
| **SA-IP-12** | Bigelow K., E. Garvilles and N. Barut. Relative abundance of skipjack for the purse seine fishery operating in the Philippines Moro Gulf (Region 12) and High Seas Pocket #1. |
| **SA-IP-13** | Peatman T., S. Caillot, B. Leroy, S. McKechnie, F. Roupsard, C. Sanchez , S. Nicol and N. Smith. Analysis of tag seeding data and reporting rates |
| **SA-IP-14** | Santiago, J., J. Lopez, G. Moreno, H. Murua, I. Quincoces, Towards a Tropical Tuna Buoy-derived Abundance Index (TT-BAI) |
| **SA-IP-15** | Evans K, P. Grewe, D. Kolody, R. Hillary, S. Foster, T. Timmiss, M. Lansdell, and P. Hill. Connectivity of tuna and billfish species targeted by the Australian Eastern Tuna and Billfish Fishery with the broader Western Pacific Ocean. Rev 1 (22 July 2016) |
| **SA-IP-16** | Sippel T, J. Wraith, S. Kohin, V. Taylor, J. Holdsworth, M. Taguchi, H. Matsunaga and K. Yokawa. A summary of blue shark (Prionace glauca) and shortfin mako shark (Isurus oxyrinchus) tagging data available from the North and Southwest Pacific Ocean. (ISC/11/SHARKWG-2/04). |
| **SA-IP-17** | Fu D., M. Roux, S. Clarke, M. Francis, A. Dunn and S. Hoyle. Pacific-wide bigeye thresher shark (Alopias superciliosus) sustainability status assessment: Introduction, Datasets and Methodology |

**MANAGEMENT ISSUES THEME**

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| ***MI THEME – Working Papers*** | |
| **MI-WP-01** | Pilling G., M. Skirtun, C. Reid and J. Hampton. Biological and economic consequences of alternative fishery trajectories to achieving a candidate south Pacific albacore target reference point |
| **MI-WP-02** | Pilling G., R. Scott and J. Hampton. Biologically reasonable rebuilding timeframes for bigeye tuna |
| **MI-WP-03** | Larcombe J. Proposal for adopting acceptable levels of risk for breaching limit reference points of four key tuna species in the WCPO. |
| **MI-WP-04** | Scott R., G. Pilling and J. Hampton. Performance statistics and monitoring strategies for skipjack and South Pacific albacore commensurate with: candidate management objectives for the Tropical Purse Seine and Southern Longline Fisheries |
| **MI-WP-05** | Scott R, G. M. Pilling, J. Hampton, C. Reid and N. Davies. Report of the Expert Consultation Workshop on Management Strategy Evaluation |
| **MI-WP-06** | Scott R., G. M. Pilling, S. Brouwer andJ. Hampton. Evaluation of candidate harvest control rules for the tropical skipjack purse seine fishery. |
| **MI-WP-07** | Kiyofuji H. Recent ISC activities on MSE. PRESENTATION |
| **MI-WP-08** | Pilling G., A. Tidd, PNA Office, W. Norris and J. Hampton. Examining indicators of effort creep in the WCPO purse seine fishery |
| **MI-WP-09** | Satoh K. and H. Ijima. Examining a management measure of key purse seine vessels for recovering bigeye tuna stock in the western and central Pacific Ocean |
| ***MI THEME – Information Papers*** | |
| **MI-IP-01** | McKechnie S., R. Scott and G. Pilling. Preliminary evaluation of catch-based harvest control rules for South Pacific albacore tuna |
| **MI-IP-02** | Pilling G., R. Scott and J. Hampton. Relative impacts of FAD and free-school purse seine fishing on skipjack tuna stock status, incorporating non-linear purse seine CPUE/abundance dynamics and effort creep |
| **MI-IP-03** | Tidd A. and G. Pilling. Preliminary capacity utilization analysis of the WCPO purse seine fleet using Data Envelopment Analysis (DEA) |
| **MI-IP-04** | Pilling G., R. Scott, N. Davies and J. Hampton. Approaches used to undertake management projections of WCPO tuna stocks based upon MULTIFAN-CL stock assessments |
| **MI-IP-05** | SPC Tables of yellowfin catch by gear and flag, 2010-2015 |
| **MI-IP-06** | SPC Tables of bigeye purse seine catch by gear and flag, 2010-2015 |
| **MI-IP-07** | Tidd A., L. Tremblay-Boyer and G. Pilling. Exploratory analysis under Project 77: linking bigeye concentrations with vessel attributes |

**ECOSYSTEM AND BYCATCH MITIGATION THEME**

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| ***EB THEME – Working Papers*** | |
| **EB-WP-01** | Senina I., P. Lehodey, B. Calmettesa, S.Nicol, S. Caillot, J. Hampton and P. Williams. Predicting skipjack tuna dynamics and effects of climate change using SEAPODYM with fishing and tagging data. |
| **EB-WP-02** | Smith N, V. Allain, and G. Pilling. Ecosystem indicators: moving forward to design and testing |
| **EB-WP-03** | Peatman T. and G. Pilling. Monte Carlo simulation modelling of purse seine catches of silky and oceanic white tip sharks |
| **EB-WP-04** | Reassigned located EB-IP-15 |
| **EB-WP-05** | Clarke S. Elaboration of technical details regarding shark targeting and shark management plans for CMM 2014-05 |
| **EB-WB-06** | Harley S. and G. Pilling. Potential implications of the choice of longline mitigation approach allowed within CMM 2014-05 Rev 1 (21 July 201) |
| **EB-WP-07** | Hutchinson M. and K. Bigelow: Assessing shark bycatch condition and the effects of discard practices in the Hawaii-permitted tuna longline fishery. Rev 1 (22 July 2016) |
| **EB-WP-08** | Tremblay-Boyer L. and S. Brouwer. Review of available information on non-key shark spp, incl. mobulid species, and fisheries interactions |
| **EB-WP-09** | Debski I., F. Hjörvarsdóttir and K. Knowles. Distribution of highly at-risk New Zealand seabirds in the Western Central Pacific Fisheries Commission area |
| **EB-WP-10** | Pierre J., D. Goad, I. Debski and K. Knowles. Improving tori line performance in small-vessel longline fisheries |
| **EB-WP-11** | Clarke S., T. Peatman and S. Caillot. Results from the First Workshop on Joint Analysis of Sea Turtle Mitigation Effectiveness |
| **EB-WP-12** | Williams P, N. Smith, I. Tuiloma, C. Falasi and S. Clarke. Trial Application of the BDEP Template for Summarizing Bycatch Data |
| **EB-WP-13** | Katsumata K., K. Okamoto, D. Ochi, Y. Inoue, H. Matsunaga, H. Minami and K. Oshima. Examination of effectiveness of seabird bycatch mitigation measures for small-scale longline vessels fishing north of 23ºN specified in CMM 2015-03 |
| ***EB THEME – Information Papers*** | |
| **EB-IP-01** | Scutt Phillips J. A. Sen Gupta1, E. van Sebille, I. Senina, P. Lehodey and S. Nicol. Individual-based methods for simulation of movement by WCPO skipjack and other pelagic species |
| **EB-IP-02** | Clarke S., Manarangi-Trott L and A. Taholo. Data Available to the Commission to Address the Implementation and Effectiveness of CMM 2010-07 regarding Shark Finning |
| **EB-IP-03** | Withdrawn |
| **EB-IP-04** | Gilman E. M. Chaloupka, Y. Swimmer and S. Plovano. A cross-taxa assessment of pelagic longline bycatch mitigation measures: Conflicts and mutual benefits to elasmobranchs. |
| **EB-IP-05** | Favero M., A. Wolfaardt and N. Walker. ACAP advice for reducing the impact of pelagic longline fishing operations on seabirds |
| **EB-IP-06** | Walker N., I. Debski, B. Sullivan and K. Knowles. Development and testing of a novel seabird mitigation option, the Hook Pod, in New Zealand pelagic longline fisheries |
| **EB-IP-07** | Debski I., J. Pierre and K. Knowles. Observer coverage to monitor seabird captures in pelagic longline fisheries |
| **EB-IP-08** | Simpendorfer C. and C. Rigby. CITES Pacific Shark Workshop Report on Non-detrimental Findings for CITES Appendix II Sharks and Rays |
| **EB-IP-09** | FAO Report of the fifth FAO Expert Advisory Panel for the Assessment of Proposals to Amend Appendices I and II of CITES Concerning Commercially-exploited Aquatic Species |
| **EB-IP-10** | Semba Y., H. Okamoto, K. Shiozaki and Y. Fujinami. Investigation of fin to body weight ratio for blue shark (Prionace glauca) caught by Japanese longline fisheries in the North Pacific |
| **EB-IP-11** | Lopez, J., J.M. Ferarios, J. Santiago, O.G. Alvarez, G. Moreno, H. Murua Evaluating potential biodegradable twines for use in the tropical tuna fishery |
| **EB-IP-12** | Smith N and S. Nicol. Annual WCPFC Report: Joint Tuna RFMO Bycatch Technical Working Group |
| **EB-IP-13** | Dunn D. C. , T. Morato, P. I. Miller, S. Nicol, and N. Smith. Drivers of catch and biodiversity around Western and Central Pacific Seamounts |
| **EB-IP-14** | Nicol S., N. Smith, P. Lehodey and I. Senina. SEAPODYM review with an update about ongoing developments and preliminary results. |
| **EB-IP-15** | Cramp J., R. L. Pressey, M. Heupel and C. Simpfendorfer. Evaluating the effectiveness of large-scale marine reserves on wide-ranging sharks |
| **EB-IP-16** | Secretariat. Progress on the WCPFC stock assessments and shark research plan |

**RESEARCH PROJECTS**

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| ***GEF ABNJ Shark and BMIS project*** | |
| **RP-ABNJ-01** | Clarke S. Update on the ABNJ (Common Oceans) Tuna Project’s Shark and Bycatch Components |
| ***JAPAN TRUST FUND*** | |
| **RP-JTF-01** | Secretariat. Japan Trust Fund Status Report (2016) |
| **RP-JTF-02** | Secretariat. Japan Trust Fund Steering Committee Report |
| ***PROJECT 35 BIGEYE BIOLOGY & 35b WCPFC TISSUE BANK*** | |
| **RP-P35-01** | Project 35: Bigeye biology, and Project 35b: WCPFC Tissue Bank |
| ***PACIFIC TUNA TAGGING PROJECT*** | |
| **RP-PTTP-01** | PTTP-SC. Report of the PTTP Steering Committee |
| **RP-PTTP-02** | SPC-OFP. Pacific Tuna Tagging Project Report and Workplan for 2016 |
| ***WEST PACIFIC EAST ASIA PROJECT*** | |
| **RP-WPEA-01** | Secretariat. WPEA Project Progress Report |

**ANNUAL REPORT – PART 1**

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| **Symbol** | **CCMs** |
| AR-CCM-01 | Australia |
| AR-CCM-02 | Canada Rev 1 (22 June 2016) |
| 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 |
| *Covered by its territories* | *France* |
| AR-CCM-08 | French Polynesia |
| AR-CCM-09 | Indonesia |
| AR-CCM-10 | Japan Rev 1 (5 July 2016\_) |
| 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 |
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| 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 |
| *Covered by USA Annual Report* | *American Samoa* |
| *Guam* |
| *Northern Mariana Islands* |
| AR-CNM-30 | Ecuador |
| AR-CNM-31 | El Salvador |
| AR-CNM-32 | Liberia |
| AR-CNM-33 | Mexico |
| AR-CNM-34 | Panama |
| AR-CNM-35 | Thailand |
| AR-CNM-36 | Vietnam |

**NGO and Others**

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| Pew Statement for WPCPFC SC12 |
| WWF Statement to WCPFC SC12 |
| WWF Statement SPALB TRP CMM (English) |
| WWF Statement SPALB TRP CMM (Chinese) |