# A picture containing text, clipart Description automatically generated

**SCIENTIFIC COMMITTEE**

**SEVENTEENTH REGULAR SESSION**

**ELECTRONIC MEETING**

11 – 19 August 2021

|  |
| --- |
| **LIST OF DOCUMENTS** |

**WCPFC-SC17-2021-07 (Rev.01)**

**MEETING INFORMATION**

|  |  |
| --- | --- |
| **WCPFC-SC17-2021-01** | Meeting notice and information |
| **WCPFC-SC17-2021-02** | Provisional agenda |
| **WCPFC-SC17-2021-03** | Provisional annotated agenda/ Provisional theme agenda |
| **WCPFC-SC17-2021-04** | Provisional online discussion forum topics |
| **WCPFC-SC17-2021-05** | Virtual meeting protocol |
| **WCPFC-SC17-2021-06** | Indicative schedule |
| **WCPFC-SC17-2021-07** | List of Documents |
| **WCPFC-SC17-2021-08** | Provisional agenda for Heads of Delegation meeting |
| **WCPFC-SC17-2021-09** | Provisional agenda for the Pacific Tuna Tagging Programme Steering Committee Meeting |
| **WCPFC-SC17-2021-10** | Provisional agenda for the WCPFC Tuna Tissue Bank Steering Committee Meeting |

**GENERAL PAPERS**

|  |  |  |
| --- | --- | --- |
| ***GENERAL PAPERS – Working Papers*** | |  |
| **SC17-GN-WP-01** | PNA and Tokelau. [DRAFT] **Scoring of the Proposed Scientific Committee Projects** |  |
| **SC17-GN-WP-02** | SPC-OFP. **SPC assessment-related activities under the SSP standard SPC and additional resourcing budget** |  |
| **GN-WP-04** | Secretariat. Intersessional activities of the Scientific Committee |  |
| ***GENERAL PAPERS – Information Papers*** | |  |
| **SC17-GN-IP-01** | P. Williams and T. Ruaia. **Overview of tuna fisheries in the Western and Central Pacific Ocean, including economic conditions – 2020** | **ODF 01** |
| **SC17-GN-IP-02** | IATTC. **The Tuna Fishery in the Eastern Pacific Ocean in 2020** | **ODF 02** |
| **SC17-GN-IP-03** | ISC. **Report of the 21st Meeting of the International Scientific Committee for Tuna and Tuna-like Species in the North Pacific Ocean** |  |
| **SC17-GN-IP-04** | Secretariat. **Cooperation with other organizations** |  |
| **SC17-GN-IP-05** | Secretariat. **Issues arising from the Commission** |  |
| **SC17-GN-IP-06** | Secretariat. **Intersessional activities of the Scientific Committee** |  |
| **SC17-GN-IP-07** | Secretariat. **Terms of Reference for 2022 project proposals** |  |
| **SC17-GN-IP-07a** | Secretariat. **Proposed budget and priorities for 2022-2024 project proposals** |  |
| **SC17-GN-IP-08** | Secretariat. **[COVID-19 related Intersessional Decisions](https://meetings.wcpfc.int/node/13022)** |  |

**SCIENCE-RELATED DOCUMENTS PRESENTED AT WCPFC17**

|  |  |  |
| --- | --- | --- |
| **WCPFC17-2020-11** | SPC-OFP. **Updates to WCPO skipjack tuna projected stock status to inform consideration of an updated target reference point** |  |
| **WCPFC17-2020-12\_rev1** | SPC-OFP. **SC16-requested analyses to inform WCPFC17 discussions on candidate target reference points for WCPO bigeye and yellowfin tuna** |  |
| **WCPFC17-2020-14\_rev1** | SPC-OFP. **Evaluation of CMM 2018-01 for tropical tuna: 2020 Update (**update of SC16-MI-IP-23) |  |
| **WCPFC17-2020-16** | SPC-OFP. **Additional analyses to inform WCPFC17 discussions on CMM 2018-01 requested by SC16** |  |
| **WCPFC17-2020-FADMgmtOptions** | FADMO-IWG. **FAD Management Options Intersessional Working Group Summary Report** |  |

**DATA AND STATISTICS THEME**

|  |  |  |
| --- | --- | --- |
| ***ST THEME – Working Papers*** | |  |
| **SC17-ST-WP-01** | SPC-OFP. **Scientific data available to the Western and Central Pacific Fisheries Commission** | 2.1  **ODF 03** |
| **SC17-ST-WP-02** | SPC-OFP. **An assessment of available information to address the WCPFC17 recommendation on the Tropical Tuna CMM para 51 (other commercial fisheries)** | 2.2 |
| **SC17-ST-WP-03** | P. Williams. **Proposal for Guidelines for the Voluntary Submission of Purse seine Processor data by CCMs to the Commission** | 2.1 |
| ***ST THEME – Information Papers*** | |  |
| **SC17-ST-IP-01** | SPC-OFP. **Estimates of annual catches in the WCPFC statistical area** |  |
| **SC17-ST-IP-02** | A. Panizza, P. Williams, C. Falasi, E. Loganimoce and E. Schneiter. **Status of observer data management** |  |
| **SC17-ST-IP-03** | placeholder |  |
| **SC17-ST-IP-04** | T. Peatman, P. Williams, S. Nicol. **Project 60: Progress towards achieving SC16 recommendations** | **ODF 04** |
| **SC17-ST-IP-05** | J. Macdonald, P. Williams, C. Sanchez, E. Schneiter, S. Prasad, M. Ghergariu, M. Hosken, A. Panizza, T. Park, S.K. Chang, S. Nicol. **Project 90 update: Better data on fish weights and lengths for scientific analyses** | **ODF 05** |
| **SC17-ST-IP-06** | T. Peatman. **Updated purse seine bycatch estimates in the WCPO** |  |
| **SC17-ST-IP-07** | Tim Park. **Training observers for elasmobranch biological sampling (Project 109)** | **ODF 06** |
| **SC17-ST-IP-08** | PH-NFRDI, PH-BFAR, SPC-OFP. **Estimates of annual catches of tropical tuna by the Philippines relevant to WCPFC CMM on Tropical Tunas “other commercial fisheries”** |  |
| **SC17-ST-IP-09** | MOMAF-Indonesia and SPC. **Update01: Availability of Catch Estimates from the Other Commercial Fisheries in Indonesia** |  |
| **SC17-ST-IP-10** | P. Williams, G. Pilling, S. Nicol. **An update on available data for Cetacean interactions in the WCPO longline and tropical purse seine fisheries** |  |
| **SC17-ST-IP-11** | I.C. Tanangonan, M.B. Demo-os, J.S. Jara, R.V.Ramiscal and A.C. Dickson. **Group Seine Operations of Philippine Flagged Vessels in High Seas Pocket Number 1 (HSP1)** |  |
| **SC17-ST-IP-12** | C.J. Brown, A. Desbiens, M.D. Campbell, E.T. Game, E. Gilman, R.J. Hamilton, C. Heberer, D. Itano, K. Pollock. **Electronic monitoring for improved accountability in western Pacific tuna longline fisheries** | **ODF 07** |

**STOCK ASSESSMENT THEME**

|  |  |  |
| --- | --- | --- |
| ***SA THEME – Working Papers*** | |  |
| **SC17-SA-WP-01** | Placeholder |  |
| **SC17-SA-WP-02** | C. Castillo Jordan, J. Hampton, N. Ducharme-Barth, H. Xu, T. Vidal, P. Williams, F. Scott, G. Pilling and P. Hamer. **Stock assessment of South Pacific albacore tuna** | 3.1.1 |
| **SC17-SA-WP-02a** | Graham Pilling and Paul Hamer. **Stock assessment of SP albacore – results of weighted stochastic projections** |  |
| **SC17-SA-WP-03** | P. Neubauer, K. Large and S. Brouwer. **Stock Assessment of** **Southwest Pacific Blue Shark** | 3.2.1 |
| **SC17-SA-WP-04** | N. Ducharme-Barth, C. Castillo-Jordán, J. Hampton, P. Williams, G. Pilling, P. Hamer. **Stock assessment of Southwest Pacific swordfish** | 3.3.1 |
| **SC17-SA-WP-05** | N. Ducharme-Barth and M. Vincent. **Focusing on the front end: A framework for incorporating uncertainty in biological parameters in model ensembles of integrated stock assessments** | 3.3.1 |
| **SC17-SA-WP-06** | SPC-OFP. **Draft Terms of Reference for an independent peer review of the 2020 WCPO yellowfin tuna assessment** | 3.4 |
| **SC17-SA-WP-07** | Placeholder |  |
| **SC17-SA-WP-08** | ISC. **Stock assessment report for Pacific blue marlin (*Makaira Nigricans*) through 2019** | 3.3.2 |
| ***SA THEME – Information Papers*** | |  |
| **SC17-SA-IP-01** | N. Davies, D. Fournier, F. Bouyé, and J. Hampton. **Development in the MULTIFAN-CL software 2020-21** |  |
| **SC17-SA-IP-02** | P. Hamer, C. Castillo Jordan, H. Xu, N. Ducharme-Barth, T. Vidal. **Report from the SPC Pre-assessment Workshop - March 2021** |  |
| **SC17-SA-IP-03** | T. Vidal, C. Castillo-Jordán, T. Peatman, N. Ducharme-Barth,  H. Xu, P. Williams, P. Hamer. **Background analyses and data inputs for the 2021 South Pacific albacore tuna stock**  **assessment** |  |
| **SC17-SA-IP-04** | S. McKechnie, G. Pilling, P. Williams. **Trends in the South Pacific albacore longline and troll fisheries** |  |
| **SC17-SA-IP-05** | SPC-OFP. **Updated draft research plan for ‘key’ tuna species in the WCPO, 2021-2024** | **ODF 08** |
| **SC17-SA-IP-06** | S. Brouwer, K. Large and P. Neubauer. **Characterisation of the fisheries catching South Pacific blue shark (*Prionace glauca*) in the Western and Central Pacific Ocean** |  |
| **SC17-SA-IP-07** | N. Ducharme-Barth, T. Peatman, and P. Hamer. **Background analyses for the 2021 stock assessment of Southwest Pacific swordfish** |  |
| **SC17-SA-IP-08** | B. Moore. **Biology, stock structure, fisheries, and status of swordfish, *Xiphias gladius*, in the Pacific Ocean - a review** |  |
| **SC17-SA-IP-09** | A. Andrews, K. Okamoto, K. Satoh, F. Roupsard, J. Farley. **Progress report on bomb radiocarbon age validation for bigeye and yellowfin tunas in the WCPO (Project 105)** | **ODF 09** |
| **SC17-SA-IP-10** | J. Farley, K. Krusic-Golub, P. Eveson.**Updating age and growth parameters for South Pacific albacore (project 106)** | **ODF 10** |
| **SC17-SA-IP-11** | J. Farley, P. Eveson, K. Krusic-Golub, K. Kopf.**Southwest Pacific striped marlin population biology (Project 99)** | **ODF 11** |
| **SC17-SA-IP-12** | K. Evans, P. Grewe, S. Foster, R. Gunasekera, M. Lansdell, S. Meredith, S. Sarau, S. Tracey, M. Wichman. **Connectivity of broadbill swordfish targeted by the Australian Eastern Tuna and Billfish Fishery with the broader Western Pacific Ocean** |  |
| **SC17-SA-IP-13** | C. Davies, F. Marsac, H. Murua, Z. Fahmi and I. Fraile. **Summary of population structure of IOTC species from PSTBS-IO project and recommended priorities for future work** |  |
| **SC17-SA-IP-14** | M. Bravington, S. Nicol, G. Anderson, J. Farley, J. Hampton, C Castillo-Jordan, J Macdonald. **South Pacific Albacore Close-Kin Mark-Recapture: update on design (Project 100b)** | **ODF 12** |
| **SC17-SA-IP-15** | S. Hare, G. Pilling, and P. Williams. **A compendium of fisheries indicators for target tuna stocks in the WCPFC Convention Area** | **ODF 13** |
| **SC17-SA-IP-16** | ISC. **Report of the Billfish Working Group Workshop** |  |
| **SC17-SA-IP-17** | T. Patterson, K. Evans, R. Hillary. **Broadbill swordfish movements and transition rates across stock assessment spatial regions in the western and central Pacific** |  |
| **SC17-SA-IP-18** | P. Neubauer, K. Large, S. Brouwer, M. Kai, W.P. Tasi and K.M. Liu. **Input data for the 2021 South Pacific Blue Shark (*Prionace glauca*) stock assessment** |  |
| **SC17-SA-IP-19** | Brouwer, S., Tornquist, M.G., Large, K.; Middleton, D.A.J., Neubauer, P., Tremblay-Boyer, L. **Characterisation and CPUE analyses of the New Zealand albacore fishery** |  |
| **SC17-SA-IP-20** | K. Okamoto, K. Kumon, T. Eba, T. Matsumoto, H. Yokoi and K. Satoh. **Preliminary report on the growth and annulus formation in otolith of bigeye and yellowfin tunas in captivity (Rev.01)** |  |
| **SC17-SA-IP-21** | J. Rice, F. Carvalho, M. Fitchett, S. Harley and A. Ishizaki. **Future Stock Projections of Oceanic Whitetip Sharks in the Western and Central Pacific Ocean (Project 102)** | **ODF 14** |

**MANAGEMENT ISSUES THEME**

|  |  |  |
| --- | --- | --- |
| ***MI THEME – Working Papers*** | |  |
| **SC17-MI-WP-01** | S. Hare, G. Pilling, R. Scott. **Updated WCPO bigeye and yellowfin TRP evaluations** | 4.1.2.1 |
| **SC17-MI-WP-02** | G. Pilling. **Further updates to WCPO skipjack tuna projected stock status to inform consideration of an updated target reference point** | 4.1.2.2 |
| **SC17-MI-WP-03** | R. Scott, F. Scott, N. Yao, P. Hamer, G. Pilling and J. Hampton. **Recent progress in the technical development of harvest strategies for WCPFC stocks and fisheries** | 4.1.3 |
| **SC17-MI-WP-04** | R. Scott, F. Scott, P. Hamer, G. Pilling and J. Hampton. **Evaluations of candidate management procedures for skipjack tuna in the WCPO** | 4.1.4 |
| **SC17-MI-WP-05** | F. Scott, R. Scott, N. Yao, G. M. Pilling, P. Hamer and J. Hampton. **Mixed-fishery harvest strategy developments** | 4.1.5 |
| **SC17-MI-WP-06** | Placeholder |  |
| **SC17-MI-WP-07** | S. Zhou, M. Dunn, A. Williams. **Appropriate limit reference points for WCPO elasmobranchs (Project 103)** | 4.2.1 |
| **SC17-MI-WP-08** | S. Brouwer and P. Hamer. **Appropriate LRPs** **for Southwest Pacific Striped Marlin and Other Billfish (Project 104)** | 4.2.2 |
| ***MI THEME – Information Papers*** | |  |
| **SC17-MI-IP-01** | N. Yao, R. Scott, and F. Scott. **Retrospective forecasting of CPUE for South Pacific albacore** | **ODF 15** |
| **SC17-MI-IP-02** | F. Scott, R. Scott, N. Yao, G. M. Pilling, P. Hamer and J. Hampton. **Capacity building and stakeholder engagement activities for WCPFC harvest strategies** |  |
| **SC17-MI-IP-03** | P. Hamer, G. Pilling, P. Williams. **Updates to evaluation of CMM 2020-01** |  |
| **SC17-MI-IP-04** | L. Escalle, B. Muller, T. Vidal, S. Hare, P. Hamer and the PNA Office. **Report on analyses of the 2016/2021 PNA FAD tracking programme** |  |
| **SC17-MI-IP-05** | L. Escalle, T. Vidal, B.V. Heuvel, R. Clarke, S. Hare, P. Hamer and G. Pilling. **Project 88 final report: FAD acoustics analysis** | **ODF 16** |
| **SC17-MI-IP-06** | T. Vidal, M. Wichman, P. Hamer, G. Pilling, PNAO. **Effort creep within the WCPO purse seine fishery** |  |
| **SC17-MI-IP-07** | M.Wichman and T. Vidal. **Incorporating industry knowledge to understand purse seine effort creep and evolution of fishing strategies in the WCPO** |  |
| **SC17-MI-IP-08** | ISC-Albacore Working Group. **Report of the North Pacific Albacore Tuna Management Strategy Evaluation** | **ODF 17** |
| **SC17-MI-IP-09** | SPA-RM-IWG Chair. **Chair's Summary Report of the South Pacific Albacore Roadmap IWG Meeting** |  |
| **SC17-MI-IP-10** | Australia (D. Bromhead, J. Larcombe, T. Timmiss, M. Kertesz).**An updated review of potential options for managing swordfish taken as bycatch in longline fisheries** | **ODF 18** |
| **SC17-MI-IP-11** | Secretariat and SPC-OFP. **Catch and effort data summaries to support discussions on the TROPICAL TUNA CMMS** |  |
| **SC17-MI-IP-12** | SPC-OFP. **Catch and effort data summaries to support discussions on the new SWORDFISH CMM** |  |
| **SC17-MI-IP-13** | The Ocean Foundation. **The harveststrategies.org website** |  |
| **SC17-MI-IP-14** | F. Satria, L. Sadiyah, I.G.B. Sedana, T. Yunanda, P. Suadela. **Harvest Strategies for Tropical Tuna in Archipelagic Waters of Indonesia: Update** |  |

**ECOSYSTEM AND BYCATCH MITIGATION THEME**

|  |  |  |
| --- | --- | --- |
| ***EB THEME – Working Papers*** | |  |
| **SC17-EB-WP-01** | Keith Bigelow and Felipe Carvalho. **Review of potential mitigation measures to reduce fishing-related mortality on silky and oceanic whitetip sharks (Project 101)** | 5.1 |
| **SC17-EB-WP-02** | USA. **Draft Best Handling Practices for the Safe Handling and Release of Cetaceans** | 5.2 |
| ***EB THEME – Information Papers*** | |  |
| **SC17-EB-IP-01** | L. Escalle, S. Hare, G. Moreno, and P. Hamer. **Overview of ongoing work on FADs** |  |
| **SC17-EB-IP-02** | WCPFC Secretariat et al. **Progress against the 2021-2025 Shark Research Plan** | **ODF 19** |
| **SC17-EB-IP-03** | L. Escalle, G. Moreno and P. Hamer. **Report of Project 110: Non-entangling and biodegradable FAD trial in the Western and Central Pacific Ocean** | **ODF 20** |
| **SC17-EB-IP-04** | Placeholder |  |
| **SC17-EB-IP-05** | E. Gilman, M. Chaloupka, A. Ishizaki, M. Carnes, H. Naholowaa, C. Brady, S. Ellgen, and E. Kingma. **Tori lines mitigate seabird bycatch in a pelagic longline fishery** |  |
| **SC17-EB-IP-06** | E. Gilman, M. Musyl, P. Suuronen, M. Chaloupka, S. Gorgin, J. Wilson, and B. Kuczenski. **Highest risk abandoned, lost and discarded fishing gear** |  |
| **SC17-EB-IP-07** | WCPFC FAD Management Options IWG. **Guidelines for Non-entangling and Biodegradable FAD Materials** (FADMO-IWG-04-2020-WP-02) | **ODF 21** |
| **SC17-EB-IP-08** | Senina, I., Briand, G., Lehodey, P., Nicol, S., Hampton, J. and Williams, P. **Reference model of bigeye tuna using SEAPODYM with catch, length and conventional tagging data** |  |
| **SC17-EB-IP-09** | SPC-OFP. **WCPO** **Ecosystem and Climate Indicators from 2000 to 2020** |  |
| **SC17-EB-IP-10** | B. Phillips, J. Potts, C. Rigby, V. Allain, S. Nicol, S. Griffiths. **Applying rapid risk assessment methods to bycatch in the WCPO** |  |
| **SC17-EB-IP-11** | Allain, V., Griffiths, S., MacDonald, J., Wabnitz, C., Pilling, G.M., Nicol, S. **Tuna fisheries bycatch and climate change in the western tropical Pacific Ocean** |  |
| **SC17-EB-IP-12** | G. Anderson, J. Macdonald, S. Nicol. **Standard Operating Procedures for sampling (by observers and port samplers) and handling of tissue for genetic analyses in WCPFC fisheries** |  |
| **SC17-EB-IP-13** | Murua, J., Ferarios, J.M., Grande, M., Onandia, I., and Santiago, J. **Improving on deck best handling and release practices for sharks in tuna purse seiners using hopper with ramp devices** | **ODF 22** |
| **SC17-EB-IP-14** | I. Onandia, M. Grande, J. Galaz, J. Uranga, N. Lezama-Ochoa, J. Murua, J. Ruiz, I. Arregui, H. Murua, J. Santiago. **New assessment on accidentally captured silky shark post-release survival in the Indian Ocean tuna purse seine fishery** |  |
| **SC17-EB-IP-15** | USA. **Seabird Mitigation Measures on Small-Scale Longline Vessels North of 23⁰ North** | **ODF 23** |
| **SC17-EB-IP-16** | I.C. Tanangonan, R.V. Ramiscal, M.B. Demo-os, and A.C. Dickson. **Effects of net depth on the reduction of juvenile bigeye tuna (*Thunnus obesus*) catch** |  |
| **SC17-EB-IP-17** | L. Escalle, S. Hare, P. Hamer, and G. Pilling. **Pacific dFAD retrieval feasibility study** |  |
| **SC17-EB-IP-18** | IWC Secretariat. **Assessing and addressing cetacean bycatch in tuna fisheries – A collaborative project proposed to Common Oceans ABNJ Tuna Phase II** |  |

**ANNUAL REPORT – PART 1**

|  |  |
| --- | --- |
| **Symbol** | **CCMs** |
| 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 |
| *Covered by its territories* | *France* |
| 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 |
| *Covered by USA Annual Report* | *American Samoa* |
| *Guam* |
| *Northern Mariana Islands* |
| AR-CNM-30 | (Placeholder) Bahamas – not for 2021 |
| 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 |

**RESEARCH PROJECTS**

|  |  |  |
| --- | --- | --- |
| ***GEF ABNJ Shark and BMIS project*** | |  |
|  |  |  |
| ***JAPAN TRUST FUND*** | |  |
| **SC17-RP-JTF-01** | Secretariat. **Japan Trust Fund Status Report (2021)** |  |
| **SC17-RP-JTF-02** | Secretariat.[**Japan Trust Fund Steering Committee Meeting Report (2021)**](https://www.wcpfc.int/node/31624) |  |
| ***WCPFC TUNA TISSUE BANK (PROJECT 35B)*** | |  |
| **SC17-RP-P35b-01** | SPC-OFP. **Project 35b: WCPFC Tuna Tissue Bank** |  |
| **SC17-RP-P35b-02** | TTB Steering Committee. **Report of the Tuna Tissue Bank Steering Committee** |  |
| ***PACIFIC TUNA TAGGING PROJECT*** | |  |
| **SC17-RP-PTTP-01** | SPC-OFP. **Project 42: Pacific Tuna Tagging Project Report and Work Plan for 2021-2024** |  |
| **SC17-RP-PTTP-02** | SPC-OFP. **Project 42: Report of the Pacific Tuna Tagging Project Steering Committee** |  |
| ***SCIENTIFIC SURVEY*** | | |
| **SC17-RP-SS-2021-01** | Z. Geng, C. Zhou, X. Dai, F. Wu, J. Zhu. **Proposal for conducting a scientific survey by Chinese fishery research vessel "Song Hang" in the WCPFC area** | **ODF 24** |
| ***WEST PACIFIC EAST ASIA PROJECT*** | |  |
| **SC17-RP-WPEA-01** | A. McDonald. **WPEA-ITM Project Update** |  |

**NGO and Others**

|  |  |
| --- | --- |
|  | The Pew Charitable Trusts. **Statement to the Western and Central Pacific Fisheries Commission 17th Regular Session of the Scientific Committee** |

**PRESENTATIONS**

|  |  |  |
| --- | --- | --- |
| **Symbol** | **Title** |  |
|  |  |  |