



**SCIENTIFIC COMMITTEE  
SIXTH REGULAR SESSION**

10-19 August 2010

Nuku'alofa, Tonga

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**LIST OF DOCUMENTS**

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**WCPFC-SC6-2010/07**

**Rev.6**

**19 Aug 2010**

**MEETING INFORMATION**

<b>WCPFC-SC6-2010/01</b>	Meeting notice and information
<b>WCPFC-SC6-2010/02</b>	Provisional agenda
<b>WCPFC-SC6-2010/03</b>	Provisional annotated agenda
<b>WCPFC-SC6-2010/04</b>	Indicative schedule
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<b>WCPFC-SC6-2010/06</b>	Guidelines in submitting meeting papers
<b>WCPFC-SC6-2010/07</b>	List of documents. Rev. 6
<b>WCPFC-SC6-2010/08</b>	Provisional agenda for Theme Sessions. Rev.4
<b>WCPFC-SC6-2010/09</b>	Provisional agenda for head of delegation (HOD) meeting (1600-1700, 9 August 2010)
<b>WCPFC-SC6-2010/10</b>	Provisional agenda and schedule of the Steering Committee [PTTP] Meeting
<b>WCPFC-SC6-2010/11</b>	Provisional agenda and schedule of the Steering Committee [WPEA] Meeting

**GENERAL PAPERS**

*Working Papers*

<b>GN-WP-1</b>	Williams, P. and P. Terawasi. <b>Overview of tuna fisheries in the western and central Pacific Ocean, including economic conditions – 2009.</b> SPC and FFA
<b>GN-WP-2</b>	IATTC. <b>Summary of the fishery and assessments of the major stocks of tuna exploited in the eastern Pacific Ocean.</b>
<b>GN-WP-3</b>	Steering Committee [WPEA]. <b>Report of the WPEA Steering Committee<sup>1</sup>.</b>
<b>GN-WP-4</b>	<b>Stock Assessment Preparatory Workshop: Revised Terms of Reference</b>

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<sup>1</sup> Will be available during SC6

- GN-WP-5 Steering Committee [PTTP]. **Report of the PTTP Steering Committee<sup>1</sup>**. Refer to GN-IP-15.
- GN-WP-6 Secretariat. **Joint tuna RFMOs workshops in 2010: Reports and recommendations.**
- GN-WP-7 **Draft work programme of the Scientific Committee for 2008-2010**

*Information Papers*

- GN-IP-1 Secretariat. **Intersessional activities of the Scientific Committee**
- GN-IP-2 Secretariat. **Progress report on the reconciliation of WCPFC and ISC data holdings** moved to ST-WP-03
- GN-IP-3 Secretariat. **Issues to be addressed from Independent Review of Commission's Transitional Science Structure and Functions.**
- GN-IP-4 S. Nicol *et al.* **Pacific Tuna Tagging Project progress report and work plan for 2010.**
- GN-IP-5 S. Nicol *et al.* **PTTP work plan 2010-2011** Incorporated in GN-IP-04
- GN-IP-6 A.Williams and S.Nicol. **South Pacific albacore tagging –progress report**
- GN-IP-7 Secretariat. **Structure and future operations of the SC Meeting.**
- GN-IP-8 ISC. **Report of the 10<sup>th</sup> meeting of the International Scientific Committee for tuna and tuna-like species in the north Pacific Ocean.**
- GN-IP-9 **Strategic Research Plan 2007-2011.**
- GN-IP-10 Secretariat. **Progress report on the West Pacific East Asia Fisheries Project. Rev.1**
- GN-IP-11 Secretariat. **Western Pacific East Asia Fisheries Management Project Fund. Statement of income and expenditure and changes in the fund balance for the 2010 year as at 11 August 2010.**
- GN-IP-12 **West Pacific East Asia Oceanic Fisheries Management Project. Department of Capture Fisheries and Resources Protection. Vietnam – First six month progress report.**
- GN-IP-13 **Philippines WPEA progress report summary**
- GN-IP-14 **First year work plan. Indonesia WPEA progress report, 2010.**
- GN-IP-15 **PTTP report**

**FISH BIOLOGY THEME**

<i>BI THEME Working Papers</i>	
<b>BI-WP-01</b>	J.Farley, A.Williams, C.Davies, S.Nicol. <b>Regional study of South Pacific Albacore population biology: Year 2 – biological sampling and analysis.</b>
<b>BI-WP-02</b>	H. Ashida, T. Tanabe, N. Suzuki. <b>Assessment of male skipjack tuna spawning activity in the tropical Western and Central Pacific Ocean. Rev. 1</b>
<b>BI-WP-03</b>	S. Nicol et al. <b>Bigeye tuna age, growth and reproductive biology (Project 35) – progress report. Rev.1</b>
<b>NO BI Information Papers</b>	

## ECOSYSTEM AND BYCATCH MITIGATION THEME

<i>EB THEME Working Papers</i>	
<b>EB-WP-01</b>	S.Clarke <i>et al.</i> <b>A research plan to determine the status of the key shark species.</b>
<b>EB-WP-02</b>	N.Sato et al. <b>Experimental Comparison among four types tori-line designs in the western north Pacific.</b>
<b>EB-WP-03</b>	K.Bigelow and B.Mourato. <b>Evaluation of longline mitigation to reduce catches of North Pacific striped marlin in the Hawaii-based tuna fishery.</b>
<b>EB-WP-04</b>	ACAP. <b>Review of seabird bycatch mitigation measures for pelagic longline fishing operations.</b>
<b>EB-WP-05</b>	ACAP. <b>Options for differential management and monitoring of seabird bycatch.</b>
<b>EB-WP-06</b>	G.Robertson <i>et al.</i> <b>Experimental determinations of factors affecting the sink rates of baited hooks to minimize seabird mortality in pelagic longline fisheries.</b>
<b>EB-WP-07</b>	G.Robertson <i>et al.</i> <b>Effect of line shooter and mainline tension on the sink rates of pelagic longlines and implications for seabird interactions.</b>
<i>EB THEME Information Papers</i>	
<b>EB-IP-01</b>	D.Filippi, S.Waugh, S. Nicol. <b>Revised spatial risk indicators for seabird interactions with longline fisheries in the western and central Pacific.</b>
<b>EB-IP-02</b>	P.Lehodey <i>et al.</i> <b>Project 62: SEAPODYM applications in WCPO - progress report. Rev.1</b>
<b>EB-IP-03</b>	Pacific Islands Regional Plan of Action for Sharks
<b>EB-IP-04</b>	Secretariat. <b>Seabird bycatch mitigation</b>
<b>EB-IP-05</b>	<b>Report on the Kobe II Workshop on Bycatch</b>
<b>EB-IP-06</b>	L.Fitzsimmons. <b>WCPFC Bycatch Information System (BMIS)</b>
<b>EB-IP-07</b>	G.Robertson and P.Ashworth. <b>Progress report on the development and testing of the underwater bait setter for pelagic longline fisheries.</b>
<b>EB-IP-08</b>	SPC-OFP. <b>Non-target species interactions with the tuna fisheries of the western and central Pacific Ocean</b>
<b>EB-IP-09</b>	E.F.Melvin, T.J.Guy and L.B.Read. <b>Shrink and defend: A comparison of two streamer line designs in the 2009 South Africa tuna fishery.</b>
<b>EB-IP-10</b>	V. Allain. <b>Trophic structure of the pelagic ecosystems of the western and central Pacific Ocean</b>
<b>EB-IP-11</b>	Z.G. Kim et al. <b>Summary report of the Korean tuna fishery observer program for the WCPFC Convention Area in 2009. Rev.1</b>

## FISHING TECHNOLOGY THEME

<i>FT THEME Working Papers</i>	
<b>FT-WP-01</b>	H.Okamoto et al. <b>Application of broadband dolphin mimetic sonar for discriminating target fish species.</b>
<b>FT-WP-02</b>	S. Hasegawa et al. <b>Study on the methods to reduce the bycatch of juvenile bigeye tuna by purse seine operation on FADs in the western and central Pacific Ocean.</b>
<b>FT-WP-03</b>	A. Delgado de Molina et al. <b>Analysis of the catch rate of juvenile bigeye depending on the depth of the purse-seine net used by the tropical fleet.</b>

<b>FT-WP-04</b>	V. Restrepo. <b>International seafood sustainability foundation initiatives to develop and test bycatch mitigation options for tropical purse seine fisheries.</b>
<b><i>FT THEME Information Papers</i></b>	
<b>FT-IP-01</b>	B. Leroy et al. <b>Vertical behavior and the Observation of FAD effects on tropical tuna in the warm-pool of the western Pacific Ocean.</b>
<b>FT-IP-02</b>	International Seafood Sustainability Foundation. <b>ISSF meeting on mitigation of by-catches in the tuna purse seine floating object fisheries: Sukarrieta, Spain 24-27 November 2009.</b>
<b>FT-IP-03</b>	AZTI-Tecnalia. <b>Purse seine by-catch mitigation techniques.</b>
<b>FT-IP-04</b>	D.G. Itano. <b>Technical options for the utilization of underwater video to characterize species, size composition and spatial distribution of tuna and bycatch species.</b>
<b>FT-IP-05</b>	R. Babaran et al. <b>Telemetry study on juvenile yellowfin <i>Thunnus albacores</i> around a payao in the Phillipines.</b>
<b>FT-IP-06</b>	B. Kumasi, T. Usu, L. Baje, L. Kumoru. <b>Preliminary analysis of length frequency for FAD associated catch in the archipelagic waters of Papua New Guinea from port sampling data.</b>

#### MANAGEMENT ISSUES THEME

<b>MI THEME Working Papers</b>	
<b>MI-WP-01</b>	N. Davies, S.J. Harley. <b>Stochastic and deterministic projections: A framework to evaluate the potential impacts of limit reference points, including multi-species considerations.</b>
<b>MI-WP-02</b>	R. Campbell. <b>Identifying possible limit reference points for the key target species in the WCPFC.</b> Moved to MI-IP-01
<b>MI-WP-03</b>	P. Williams and S. Harley. <b>Characterization of purse seine fishing activities during the 2009 FAD closure.</b>
<b>MI THEME Information Papers</b>	
<b>MI-WP-01</b>	R. Campbell. <b>Identifying possible limit reference points for the key target species in the WCPFC.</b>

#### METHODS THEME

<b>ME THEME Working Papers</b>	
<b>ME-WP-01</b>	N. Davies <i>et al.</i> <b>Update of recent developments in MULTIFAN-CL and related software for stock assessment.</b>
<b>ME-WP-02</b>	H. Shono. <b>Application of the Tweedie distribution to zero-catch data in CPUE analysis.</b>
<b>ME-WP-03</b>	H. Shono. <b>Confidence interval estimation of CPUE year trend in delta-type two-step model.</b>
<b>No ME THEME Information Papers</b>	

#### DATA AND STATISTICS THEME

<i>ST-SWG Working Papers</i>	
<b>ST-WP-01</b>	P.Williams. <b>Scientific data available to the Western and Central Pacific Fisheries Commission. Rev. 3.</b>
<b>ST-WP-02</b>	T.Lawson. <b>An update on the species composition of purse-seine catches determined from paired spill and grab samples collected by observers.</b>
<b>ST-WP-03</b>	Secretariat. <b>Progress report on the reconciliation of WCPFC and ISC data holdings</b>
<b>ST-WP-04</b>	K.Satoh et al. <b>Accuracy of species identification of yellowfin and bigeye in three canneries of Kingdom of Thailand</b>
<b>ST-WP-05</b>	L. Baje, T. Usu, B. Kumasi, L. Kumoru. <b>A preliminary comparison of length frequency and species composition using observer and port sampling data.</b>
<b>ST-WP-06</b>	Secretariat. <b>Regional Observer Programme</b>
<b>ST-WP-07</b>	T. Usu, L. Baje, B. Kumasi, L. Kumoru. <b>A descriptive analysis of the size and species composition of the Papua New Guinea purse seine catch.</b>
<i>ST-SWG Information Papers</i>	
<b>ST-IP-01</b>	P.Williams. <b>Estimates of annual catches in the WCPFC Statistical Area.</b>
<b>ST-IP-02</b>	S.J. Harley and T. Lawson. <b>Preliminary analysis of the spatial distribution of juvenile bigeye tuna catches from equatorial WCPO purse seine fisheries</b>
<b>ST-IP-03</b>	S.Harley and P.Williams. <b>Further analysis of the set-time issue</b> Withdrawn
<b>ST-IP-04</b>	T. Lawson. <b>Effect of unit of effort on analyses of observer coverage rates</b>

### **STOCK STATUS THEME**

<i>SA-SWG Working Papers</i>	
<b>SA-WP-01</b>	S.Harley <i>et al.</i> <b>Background information for the 2010 bigeye assessment.</b>
<b>SA-WP-02</b>	S.Hoyle <i>et al.</i> <b>Analysis of Japanese longline operational catch and effort for bigeye tuna in the WCPO.</b>
<b>SA-WP-03</b>	S.Hoyle. <b>CPUE Standardisation for bigeye and yellowfin tuna in the western and central Pacific Ocean.</b>
<b>SA-WP-04</b>	S.Harley <i>et al.</i> <b>Stock assessment of bigeye tuna in the western and central Pacific Ocean.</b>
<b>SA-WP-05</b>	J.Hampton, S.J. Harley. <b>Further analysis of CMM2008-01.</b>
<b>SA-WP-06</b>	P.Williams and S.Harley. <b>Characterization of purse seine fishing activities during the 2009 FAD closure. Rev.1.</b> Moved to MI-WP-03
<b>SA-WP-07</b>	K. Uosaki et al. <b>Recent status of Japanese skipjack fishery in the vicinity of Japan.</b>
<b>SA-WP-08</b>	A.Langley <i>et al.</i> <b>A standardized CPUE analysis of the Japanese distant-water skipjack pole-and-line fishery in the western and central Pacific Ocean (WCPO), 1972-2009.</b>
<b>SA-WP-09</b>	H. Kiyofuji et al. <b>Standardized CPUE for skipjack caught by Japanese offshore pole and line fishery in the northern region of western and central Pacific Ocean.</b>
<b>SA-WP-10</b>	S.Hoyle <i>et al.</i> <b>Stock assessment of skipjack tuna in the western and</b>

	<b>central Pacific Ocean.</b>
<i>SA-SWG Information Papers</i>	
<b>SA-IP-01</b>	<b>S.Harley and S.Hoyle. Report from the pre-assessment workshop in April 2010.</b>
<b>SA-IP-02</b>	<b>P.Williams. Changes to the data available for stock assessment.</b>

#### **ANNUAL REPORT – PART 1**

<b>Symbol</b>	<b>CCMs</b>
AR-CCM-01	<b>Australia Rev.1</b>
AR-CCM-02	<b>Canada</b>
AR-CCM-03	<b>China</b>
AR-CCM-04	<b>Cook Islands</b>
AR-CCM-05	<b>European Union</b>
AR-CCM-06	<b>Federated States of Micronesia</b>
AR-CCM-07	<b>Fiji</b>
AR-CCM-08	<b>French Polynesia</b>
AR-CCM-09	<b>Japan Rev.1</b>
AR-CCM-10	<b>Kiribati</b>
AR-CCM-11	<b>Korea Rev.1</b>
AR-CCM-12	<b>Marshall Islands</b>
AR-CCM-13	<b>Nauru</b>
AR-CCM-14	<b>New Caledonia</b>
AR-CCM-15	<b>New Zealand</b>
AR-CCM-18	<b>Papua New Guinea</b>
AR-CCM-19	<b>Philippines</b>
AR-CCM-20	<b>Samoa</b>
AR-CCM-21	<b>Solomon Islands</b>
AR-CCM-22	<b>Chinese Taipei</b>
AR-CCM-23	<b>Tokelau</b>
AR-CCM-24	<b>Tonga</b>
AR-CCM-25	<b>Tuvalu</b>
AR-CCM-26	<b>United States of America</b>
AR-CCM-27	<b>Vanuatu</b>
AR-CNM-29	<b>Belize</b>
AR-CNM-31	<b>El Salvador</b>
AR-CNM-32	<b>Indonesia</b>
AR-CNM-35	<b>Vietnam</b>

#### **NGO and Others**

SC6-Greenpeace	<b>Urgent cuts and area closures needed to preserve tuna stocks and protect biodiversity. Rev.1</b>
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