



**SCIENTIFIC COMMITTEE
FOURTH REGULAR SESSION**

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Port Moresby, Papua New Guinea

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GENERAL PAPERS

GN-WP-1	Williams, P. [1] and P. Terawasi [2]. Overview of tuna fisheries in the western and central Pacific Ocean, including economic conditions – 2007. [1] SPC, Noumea, New Caledonia, [2] FFA, Honiara, Solomon Islands.
GN-WP-2	IATTC. The fishery for tunas and billfishes in the Eastern Pacific Ocean in 2007
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- GN-IP-1** Itano, D.[1], K. Holland [2], K. Weng[3]. **Hawaii Tuna Tagging Project II: Project description.** [1]Pelagic Fisheries Research Program, University of Hawaii, Honolulu, Hawaii, USA; [2]Hawaii Institute of Marine Biology, University of Hawaii, Honolulu, Hawaii, USA; [3]University of Hawaii, School of Earth Science Technology, Honolulu, Hawaii, USA.
- GN-IP-2** Itano, D. **Pacific Tuna Tagging Project, Summary Report - Phase 2 (Central Pacific), Cruise 1: 5 May - 3 June 2008.** Pelagic Fisheries Research Program, University of Hawaii, Honolulu, Hawaii, USA.
- GN-IP-3** Leroy, B. [1], B. Kumasi [1], A. Lewis [1], D. Itano [2], T. Usu [3], J. Hampton [1], S. Nicol [1]. **PTTP Summary Report: Review Phase 1.** [1] SPC, Noumea, New Caledonia, [2] Pelagic Fisheries Research Program, University of Hawaii, Honolulu, Hawaii, [3] National Fisheries Agency, Port Moresby, Papua New Guinea.
- GN-IP-4** Hampton, J. [1], S. Nicol [1], B. Leroy [1], B. Kumasi [1], A. Lewis [1], D. Itano [2]. **PTTP operational plans for 2008-09.** [1] SPC, Noumea, New Caledonia, [2] Pelagic Fisheries Research Program, University of Hawaii, Honolulu, Hawaii.
- GN-IP-5** Kumasi, P. [1], B. Leroy [1], J. Hampton [1], S. Nicol [1], A. Lewis [1], D. Itano [2]. **PTTP tag recovery issues.** [1] SPC, Noumea, New Caledonia, [2] Pelagic Fisheries Research Program, University of Hawaii, Honolulu, Hawaii.
- GN-IP-6** Secretariat. **Intersessional activities of the Scientific Committee**

BIOLOGY SPECIALIST WORKING GROUP (BI-SWG)

<i>BI-SWG Working Papers</i>		
BI-WP-1	Valeiras, X. [1], J. Mejuto [2] and M. Ruíz [1] Age and growth of swordfish (<i>Xiphias ladius</i>) in the North Pacific. [1] Instituto Español de Oceanografía. C. O. Santander. Promontorio San Martín s/n. Apdo. 240. 39080 Santander (Spain). [2] Instituto Español de Oceanografía. C. O. A Coruña. Paseo Marítimo Alcalde Francisco Vázquez, nº10. 15001 A Coruña (Spain).	
BI-WP-2	David G. Itano [1], R. J. David Wells [2], Jay R. Rooker [2]. Origin of yellowfin tuna (<i>Thunnus albacares</i>) in the Hawaiian Islands: preliminary assessment of natal signatures in otoliths. [1] University of Hawaii, Pelagic Fisheries Research Program, Honolulu, Hawaii USA. [2] Texas A&M University, Department of Marine Biology,	

	5007 Ave U, Galveston, TX 77551 USA.	
BI-WP-3	Fonteneau, A [1]. and J. Ariz [2]. Note on the stock structure of Pacific bigeye tuna to be used in stock assessments. [1] IRD, Sete, France, [2] IEO, Santa Cruz de Tenerife, Canary Islands, Spain.	
BI-WP-4	Kasapidis, P. [1], Magoulas, A. [1], García-Cortés, B. [2] and Mejuto, J. [2]. Stock structure of swordfish (<i>Xiphias gladius</i>) in the Pacific Ocean using microsatellite DNA markers. [1] Institute of Marine Biology and Genetics, Hellenic Centre for Marine Research, P.O. Box 2214, 71003 Heraklion (Greece), [2] Instituto Español de Oceanografía. C. O. A Coruña. Paseo Marítimo Alcalde Francisco Vázquez, nº10. 15001 A Coruña (Spain).	
BI-WP-5	Matsumoto, T. and H. Okamoto. Overview of Japanese tagging project on tropical tunas in the temperate area of Japanese water. National Research Institute of Far Seas Fisheries, Fisheries Research Agency, Japan.	
BI-WP-6	Mejuto, J., García-Cortés, B. and Ramos-Cartelle, A. Reproductive activity of swordfish (<i>Xiphias gladius</i>) in the Pacific Ocean on the basis of different macroscopic indicators. Instituto Español de Oceanografía. C. O. A Coruña. Paseo Marítimo Alcalde Francisco Vázquez, nº10. 15001 A Coruña (Spain).	
BI-WP-7	Nicol S [1], S. Hoyle [1], B. Molony [2], D. Itano [3], K. Schaefer [4], A. Aires-Da-Silva [4], C. Sun [5], H. Honda [6], M. Maunder [4], A. Langley [1], V. Allain [1], A. Williams [1], P. Williams [1], J. Hampton [1], C. Millar [1]. A research plan for a pacific-wide study of bigeye reproductive and growth biology. [1] SPC, Noumea, New Caledonia, [2] Finfish Branch, WA Fisheries and Marine Research Laboratory, Department of Fisheries, Western Australia, PO Box 20 North Beach WA 6920, [3] Pelagic Fisheries Research Program, University of Hawaii, Honolulu, Hawaii, USA., [4] IATTC, La Jolla, USA., [5] Institute of Oceanography, National Taiwan University., [6] National Research Institute of Far Seas Fishery, Fishery Research Agency, Japan.	
<i>BI-SWG Information Papers</i>		
BI-IP-1	Farley, J. and N. Clear. Preliminary study of age, growth, and spawning activity of albacore in Australia's Eastern Tuna & Billfish Fishery. CSIRO Marine and Atmospheric Research, Hobart, Australia.	
BI-IP-2	Young, J [1], R. Humphreys [2], J. Uchiyama [2], and N. Clear [1]. Comparison of maturity and ageing of swordfish from Hawaiian and Australian waters. [1] CSIRO Marine and Atmospheric Research, Hobart,	

	Australia, [2] NOAA, NMFS, Pacific Islands Fisheries Science Center (PIFSC), Aiea Heights Research Facility.	
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ECOSYSTEM AND BYCATCH SPECIALIST WORKING GROUP (EB-SWG)

<i>EB-SWG Working Papers</i>		
EB-WP-1	Kirby, D. Ecological Risk Assessment (ERA) Progress Report (2007/8) & Work Plan (2008/9) . SPC, Noumea, New Caledonia.	
EB-WP-2	Waugh, S. [1], Filippi, D. [1], Walker, N. [2], D. Kirby [3]. Preliminary results of an Ecological Risk Assessment for New Zealand fisheries interactions with seabirds and marine mammals . [1] Sextant Technology, New Zealand, [2] Ministry of Fisheries, Wellington, New Zealand, [3] SPC, Noumea, New Caledonia.	
EB-WP-3	ACAP. Albatross and petrel distribution within the WCPFC area . Agreement for the Conservation of Albatrosses and Petrels.	
EB-WP-4	Waugh, S. Stages in the process of managing seabird mortality in RFMO fisheries . Birdlife International.	
EB-WP-5	Chung, K-N. Overview of the interaction between seabird and Taiwanese longline fisheries in the Pacific Ocean . Fisheries Agency, Chinese Taipei.	
EB-WP-6	Chung, K-N. Overview of Taiwanese Observers Program for Large Scale Tuna Longline Fisheries in Pacific Ocean from 2002 to 2006 . Fisheries Agency, Chinese Taipei.	
EB-WP-7	Yokota, K., H. Minami, and M. Kiyota. Direct comparison of seabird avoidance effect between two types of tori-lines in experimental longline operations . National Research Institute of Far Seas Fisheries, Japan.	
EB-WP-8	Black, A. Seabird Bycatch Rates in WCPFC Fisheries .	
EB-WP-9	Ward, P., S. Epe, D. Kreutz, C. Robins, and A. Sands. Implementation of bycatch mitigation measures in Australia's pelagic longline fisheries: the effects of circle hooks on target and non-target catches. Bureau of Rural Sciences. Canberra, Australia.	
EB-WP-10	Lehodey, P. [1], I. Senina [1], J. Sibert [2] and J. Hampton [3]. SEAPODYM. V2: A Spatial ecosystem and Population dynamics model with parameter optimization providing a new tool for tuna management . [1] CLS, Toulouse, France, [2] PFRP, Univ. of Hawaii, [3] SPC, Noumea, New Caledonia.	
<i>EB-SWG Information Papers</i>		

<p>EB-IP-1</p>	<p>Waugh, S. [1], G.B. Baker [2], R. Gales [3], J.P. Croxall [4]. CCAMLR process of risk assessment to minimise the effects of longline fishing mortality on seabirds. Marine Policy: Volume 32, Issue 3, May 2008, Pages 442-454. [1] Ministry of Fisheries, PO Box 1020 Wellington, New Zealand, [2] Institute of Antarctic and Southern Ocean Studies, University of Tasmania, Private Bag 77, Hobart, Tasmania 7001, Australia, [3] Biodiversity Conservation Branch, Department of Primary Industries and Water, PO Box 44, Hobart, Tasmania 7000, Australia, [4] BirdLife International, Wellbrook Court, Girton Road, Cambridge CB3 0NA, UK.</p>	
<p>EB-IP-2</p>	<p>Ministry of Fisheries, New Zealand. Draft New Zealand NPOA Sharks. Ministry of Fisheries, Wellington, New Zealand.</p>	
<p>EB-IP-3</p>	<p>Brouwer, S. and N. Walker. Use of light streamer lines and line weighting on longline vessels and the implications for seabird bycatch. Ministry of Fisheries, Wellington, New Zealand.</p>	
<p>EB-IP-4</p>	<p>An, D-H, S-S Kim, D-Y Moon, S-J Hwang, and Y-J Kwon.. A summary of the Korean tuna fishery observer program for the Pacific Ocean in 2007. NFRDI, Busan, Korea.</p>	
<p>EB-IP-5</p>	<p>Mejuto , J., B. García-Cortés, A. Ramos-Cartelle and J. Ariz. Preliminary overall estimations of bycatch landed by the Spanish surface longline fleet targeting swordfish (<i>Xiphias gladius</i>) in the Pacific Ocean and interaction with marine turtles and sea birds: years 1990-2005. Instituto Español de Oceanografía. C. O. A Coruña. Paseo Marítimo Alcalde Francisco Vázquez, nº10. 15001 A Coruña (Spain).</p>	
<p>EB-IP-6</p>	<p>Molony, B. Fisheries biology and ecology of highly migratory species that commonly interact with industrialised longline and purse seine fisheries in the western and central Pacific Ocean. Finfish Branch, WA Fisheries and Marine Research Laboratory, Department of Fisheries, Western Australia, PO Box 20 North Beach WA 6920.</p>	
<p>EB-IP-7</p>	<p>ACAP. Estimates of seabird population sizes and trends. Agreement on the Conservation of Albatrosses and Petrels, Hobart, Australia.</p>	
<p>EB-IP-8</p>	<p>Darren S Cameron [1] and Garry L Preston [2]. Pacific Islands Forum Fisheries Agency (FFA) Action Plan for Sea Turtle Mitigation. [1] Pacific Islands Forum Fisheries Agency (FFA), PO Box 629 , Honiara , Solomon Islands . [2] Gillett, Preston & Associates Inc., Noumea Field Office, B. P. 11041, 98802 Noumea Cedex, New Caledonia.</p>	

FISHING TECHNOLOGY SPECIALIST WORKING GROUP (FT-SWG)

<i>FT-SWG Working Papers</i>		
FT-WP-1	Satoh, K., H. Okamoto, Y. Takeuchi, H. Shono, T. Matsumoto, K. Watanabe, N. Miyabe and H. Honda. Effects of depth of underwater structures of FADs on catch of bigeye tuna (<i>Thunnus obesus</i>) in the tropical waters of the western Pacific Ocean. National Research Institute of Far Seas Fisheries, Shizuoka-city, Japan.	
FT-WP-2	Morón, J. [3 and presentor]. Research on Acoustic Selectivity on FAD associated tropical purse seine fisheries. [1] Instituto Español de Oceanografía (Ministerio de Ciencia e Innovación) [2] Secretaría General del Mar (Ministerio de Medioambiente, Medio Rural y Marino), [3] OPAGAC. [4] ALBACORA S.A., [5] AITZUGANA S.A.	
FT-WP-3	Itano, D. The use of underwater video to characterize the species, size composition and vertical distribution of tunas and non-tuna bycatch around floating objects. Pelagic Fisheries Research Program, University of Hawaii, Honolulu, Hawaii, USA.	
FT-WP-4	Moon, Dae-Yeon, Doo-Hae An, Seon-Jae Hwang and Soon-Song Kim. Catch of small-sized tuna by set types of Korean tuna purse seine fishery in the WCPO. National Fisheries Research and Development Institute, Busan, Korea.	Moved to FT-IP-5
FT-WP-5	An, Doo-Hae [1], Soon-Song Kim [1], Dae-Yeon Moon [1], Seon-Jae Hwang [1] and You-Jung Kwon [2]. Effect of fishery factors on bigeye and yellowfin tuna catch rates in the tuna longline fishery. [1] National Fisheries Research and Development Institute (NFRDI), Busan, 619-705, Korea. [2] Pukyong National University, Busan, 608-737, Korea.	
FT-WP-6	Itano, D. The development of Industry-related technical solutions to reduce bycatch and fishing mortality of STFO. Pelagic Fisheries Research Program, University of Hawaii, Honolulu, Hawaii, USA.	
<i>FT-SWG Information Papers</i>		
FT-IP-1	Lennert-Cody, C. E.[1], J. J. Roberts [2], and R. J. Stephenson [3]. Effects of gear characteristics on the presence of bigeye tuna (<i>Thunnus obesus</i>) in the catches of the purse-seine fishery of the eastern Pacific Ocean. ICES Journal of Marine Science, 65: 970-978. [1] IATTC, La Jolla, California, USA. [2] Duke University Marine Geospatial Ecology Laboratory, Durham, North Carolina, USA. [3] Owner/skipper of the purse-seiner MV	

	“ <i>Connie Jean</i> ”, San Diego, CA, USA. Correspondence to [1].	
FT-IP-2	Schaefer, K. M. and D. W. Fuller. Acoustic imaging, visual observations, and other information used for classification of tuna aggregations associated with floating objects in the Pacific Ocean. IATTC, La Jolla, California, USA.	
FT-IP-3	IATTC. FAD-related research. Inter-American Tropical Tuna Commission, La Jolla, California, USA.	
FT-IP-4	IATTC [1] and World Bank [2]. Report of a Workshop on Rights-Based Management and Buybacks in International Tuna Fisheries. [1] Inter-American Tropical Tuna Commission, La Jolla, California, USA. [2] World Bank PROFISH partnership.	
FT-IP-5	Moon, Dae-Yeon, Doo-Hae An, Seon-Jae Hwang and Soon-Song Kim. Preliminary information on the catch of small-sized tuna by set type of Korean tuna purse seine fishery in the WCPO. National Fisheries Research and Development Institute (NFRDI), Busan, Korea.	

METHODS SPECIALIST WORKING GROUP (ME-SWG)

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ME-WP-1	Hoyle, S. and S. Nicol. Sensitivity of the bigeye tuna stock assessment to alternative biological and reproductive assumptions. SPC, Noumea, New Caledonia.	
ME-WP-2	Hoyle, S. Adjusted biological parameters and spawning biomass calculations for albacore tuna in the south Pacific, and their implications for stock assessments. SPC, Noumea, New Caledonia.	
ME-WP-3	Bigelow, K. [1] and S. Hoyle [2]. Standardized CPUE for distant-water fleets targeting south Pacific albacore. [1] PIFSC, Honolulu, Hawaii, [2] SPC, Noumea, New Caledonia.	
ME-WP-4	Campbell, R [1] and K. Bigelow [2]. Application of a habitat-based CPUE standardization to the Australian bigeye fishery. [1] CSIRO, Hobart, Australia, [2] PIFSC, Honolulu, Hawaii.	
<i>ME-SWG Information Papers</i>		
ME-IP-1	Molony, B. [1] and K. Sisor [2]. The use of principal components analyses to assist in selecting variables to include in a catch rate standardisations. [1] Finfish Branch, WA Fisheries and Marine Research Laboratory, Department of Fisheries, Western Australia, [2] Bureau of	

	Marine Resources, Palau.	
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STATISTICS SPECIALIST WORKING GROUP PAPERS (ST-SWG)

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ST-WP-1	Jones, M. and B. Shallard. Interim report on causes of data gaps. FishServe Innovations New Zealand Ltd, Wellington, New Zealand.	
ST-WP-2	Fonteneau A. Species composition of tuna catches taken by purse seiners. IRD, Sete, France.	
ST-WP-3	Lawson T. Factors affecting the use of species composition data collected by observers and port samplers from purse seiners in the western and central Pacific Ocean. SPC, Noumea, New Caledonia.	
ST-WP-4	Secretariat. Data relating to purse seine effort on the high seas and in the zones of non-PNA member CCMs. WCPFC, Pohnpei, FSM.	
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ST-IP-1	SPC. Estimates of annual catches in the WCPFC Statistical Area. Secretariat of the Pacific Community, Noumea, New Caledonia.	
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ST-IP-3	Hoyle, S. and P. Sharples. Length frequency sampling data and its influence on the south Pacific albacore stock assessment. Secretariat of the Pacific Community, Noumea, New Caledonia.	
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ST-IP-5	Secretariat. Draft Minimum Data Fields as Revised and Proposed by the Second Inter-Sessional Working Group Regional Observer Programme (Rev. 1)	
ST-IP-6	Secretariat. Scientific Issues Related to the Work of the AHTG [Data]	

STOCK ASSESSMENT SPECIALIST WORKING GROUP (SA-SWG)

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SA-WP-1	Langley, A. [1], J. Hampton [1], P. Kleiber [2] and S.	

	Hoyle [1]. Stock assessment of bigeye tuna in the western and central Pacific Ocean, including an analysis of management options. [1] SPC, Noumea, New Caledonia, [2] PIFSC, NOAA, Honolulu.	
SA-WP-2	Langley, A. [1] and R. Methot [2]. A preliminary stock assessment of bigeye tuna in the western and central Pacific Ocean using stock synthesis 3 (SS3); a comparison with MULTIFAN-CL. [1] SPC, Noumea, New Caledonia, [2] NOAA Fisheries, NWFS, Seattle.	
SA-WP-3	Hoyle, S., A. Langley, and J. Hampton. General structural sensitivity analysis for the bigeye tuna stock assessment. SPC, Noumea, New Caledonia.	
SA-WP-4	Langley, A. and J. Hampton. Stock assessment of skipjack tuna in the western and central Pacific Ocean. SPC, Noumea, New Caledonia.	
SA-WP-5	Mejuto, J., B. García-Cortés, and A. Ramos-Cartelle. Standardized catch rates in biomass for the south central and western Pacific swordfish (<i>Xiphias gladius</i>) from the Spanish longline fleet for the period 2004-2006. Instituto Español de Oceanografía. Spain.	
SA-WP-6	Kolody, D. [1] R. Campbell [1] and N. Davies [2]. A Multifan-CL Stock Assessment of Southern Western-Central Pacific Swordfish 1952-2007. [1]CSIRO, Australia, [2] SPC, Noumea, New Caledonia.	
SA-WP-7	Davies, N.[1], R. Bian, [2], D. Kolody [3], and R. Campbell.[4]. CASAL Stock Assessment for South-West-Central Pacific Broadbill Swordfish 1952-2007. [1] National Institute of Water and Atmospheric Research Ltd, Auckland, New Zealand, currently at the Secretariat of the Pacific Community, Noumea, New Caledonia, [2] National Institute of Water and Atmospheric Research Ltd, Auckland, New Zealand, [3]CSIRO Marine and Atmospheric Research, Hobart, Australia, [4]CSIRO Marine and Atmospheric Research, Aspendale, Australia.	
SA-WP-8	Hoyle, S., A. Langley, and J. Hampton. Stock assessment of Albacore tuna in the south Pacific Ocean. SPC, Noumea, New Caledonia.	
SA-WP-9	Hampton, J. and P. Williams. Compendium of fishery indicators for target tuna species. SPC, Noumea, New Caledonia.	
SA-SWG Information Papers		
SA-IP-1	Anon. Report of the Southern WCPO Swordfish Assessment Workshop.	
SA-IP-2	Kolody, D [1] and Davis, N.[2]. Spatial structure in South Pacific Swordfish Stocks and Assessment	

	Models. [1] CSIRO, Australia, [2] SPC, Noumea, New Caledonia.	
SA-IP-3	Campbell, R. Data summary pertaining to the catch of swordfish by longline fleets operating in the southern WCPO. CSIRO, Australia.	
SA-IP-4	Campbell, R. [1], M. Unwin [1], N. Davis [2] and N. Miyabe [3]. Swordfish CPUE trends across the southern WCPO. [1] CSIRO, Australia, [2] SPC, Noumea, New Caledonia, [3] NRIFSF, Japan.	
SA-IP-5	Langley, A. and S. Hoyle. Report from the stock assessment preparatory workshop, Noumea, February 2008. SPC, Noumea, New Caledonia.	

ANNUAL REPORTS (PART 1) FROM MEMBERS AND COOPERATING NON-MEMBERS

(Annual Report, Part 1 – Information on Fisheries, Research, and Statistics)

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