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Economic Cooperation

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FWG Project Activities - 1995 to 2006

Purpose: Information
Submitted by: Lead Shepherd



17th Fisheries Working Group Meeting
Kaohsiung, Chinese Taipei
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Project activities were undertaken by APEC FWG from 1995 to 2006

#	Project Number	Project Name (Economy Name) Amount (USD) Project status	Project Description
1	FWG 01/1995	Health and Quality Rules of Fish and Fishery Products (Thailand) 1Year \$28,750(OA) Completed	To organize technical Workshop on Quality Assurance in Fish Inspection Laboratory in order to provide advice to inspection laboratory of member economies on laboratory management and quality control in the lab and Good laboratory Practices and to discuss in depth the quality control program for laboratories and details related to lab record and results. This activities is aimed at improve the standard of the fish inspection laboratory in order to produce the results which is reliable, traceable and acceptable. To maintain database on inspection and quality control standards.
2	FWG 02/1995	Health and Quality Rules of Fish and Fishery Products (Thailand) 1 year \$28,750(OA) Completed	To co-host the workshop with member economies. The workshop will discuss guidelines, Code of practices, requirements regarding the products from aquaculture so as to encourage the production of quality and safe fish products by the APEC member economies. At least two technical experts will be provided for from the project fund, member economies may provide the specialist to participate as resource persons for the workshop. To finalize the information regarding inspection services of APEC and information obtaining from the previous workshops and also to co-ordinate the workshop organization.
3	FWG 03/1995	Training workshop on sustainable shrimp culture with emphasis on health management and disease control (Thailand) 1 year \$31,188(OA) Completed	Provide participants with technical knowledge on farm management practises aimed at culturing healthy and disease-free shrimp, with emphasis on health management and disease control; - Enable participants to learn concepts and observe practises of shrimp aquaculture that are compatible with sustainable resource management and environmental protection i.e. managing the impacts of environment on shrimp culture and impacts of shrimp culture on the surrounding as well as pond environment; - recommend improvements in the technology, farm management practises, and effective government measures aimed at ensuring the production of healthy animals and wholesome shrimp products; - identify further opportunities for technical and economic collaboration in shrimp aquaculture development, including trade in the commodity.
4	FWG 01/1996	Inventory of Fisheries Administration and organization in APEC Members \$10,700(OA) Completed	The content of the inventory will include a introduction of each member's fishery related agencies and organizations.
5	FWG 02/1996	Moving Toward Improved Seafood Inspection Regimes \$80,300(OA) Completed	APEC member technical specialists will organize and conduct a series of training sessions in seafood inspection procedures based on the Hazard Analysis Critical Control Point (HACCP) approach.

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6	FWG 03/1996	Fish Inspection Systems of ANZEC (Thailand) 1 year \$25,000(OA) Completed	To organize workshop on fish inspection system of ANZEC. To discuss regulation on import/export of fish and fishery products of Australia and New Zealand. To provide advice in order to meet with standard and regulation required. To promote mutual recognition of inspection system of member economies.
7	FWG 04/1996	Technical Conference on Quality and Safety of Fishery products. (Thailand) 1 year \$25,000(OA) Completed	To organize Technical Conference on Quality and Safety of fishery products. To discuss technical issues so as to promote production and trading of safe and quality fish and fishery products. To provide advice in order to meet with standard and regulation required by importing economies. To promote mutual understanding of fishery industry and inspection system of member economies.
8	FWG 01/1998	APEC Aquaculture Forum (Australia) 1 month \$19,388(OA) \$10,000(self) Completed	The purpose of this project is to begin a process to establish an APEC Aquaculture Forum within the APEC Fisheries Working Group, which involves non government organizations, industry and academic working in conjunction with the APEC member economies to ensure the sustainable long term development of aquaculture within the APEC region.
9	FWG 02/1998	The impact of longline fishing and a review of mitigation measures (Australia) 1 year \$79,000(OA) \$8,000(self) Cancelled	The project has two key elements or areas of study: a) to study the cost effectiveness of mitigation methods that have been adopted or proposed within fisheries in APEC economies to limit bycatch of other fish species and in particular seabirds; and, b) to determine the scope and value of longlining fishing with APEC economies and the associated problems of bycatch with a view of assisting economies to select the most appropriate mitigation methods for their fisheries.
10	FWG 02/1998T	Free Trade and Investment in the Fisheries Sector of the Asia-Pacific Region: Economic Analysis of Tariffs (Canada) 10M \$75,000(TILF) In progress	To prepare a report which fairly assesses the qualitative and quantitative economic impacts of tariff removal in the fisheries sector in the Asia-Pacific region. It should also inform APEC members of the net economic benefits associated with trade liberalisation in this sector.
11	FWG 01/1999	Collaborative APEC Grouper Research and Development Network (Australia) 4years \$80,480(OA) \$20,000(self) Completed	The purpose of this project is to develop a regional collaborative approach towards research into the culture of live reef fishes, which focuses on three key areas : development of a research network for grouper aquaculture; development of regional research priorities for species research; and food safety and quality issues relevant to the use of destructive fishing practices in live reef fisheries.

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12	FWG 01/1999T	APEC Seafood Information System (Canada) 3years \$84,005(TILF) Completed	To undertake a pilot project to test the feasibility of improving and expanding the market and industry information service provided by GLOBEFISH and the FAO Regional Marketing Information and Advisory Services for Fishery Products on a cost-recoverable basis for the benefit of private industry participants and government officials throughout APEC.
13	FWG 02/1999	Collaborative Aquaculture Education Program (Australia) 1year \$83,800(OA) \$5,000(self) Completed	The challenge of this project is to adequately train a critical mass of technician and middle level managers at farm and government level in the science of aquaculture so as to develop skills to equip them adequately to meet the challenges of a growing industry in the next millennium.
14	FWG 03/1999	Women in Aquaculture (Australia) 1year \$53,850(OA) \$5,000(self) Completed	The project will focus on rural women in inland and coastal communities in six South East Asian member economies (China, Indonesia, Malaysia, Philippines, Thailand and Viet Nam). The project will define and describe the role in aquaculture played by women in these economies and the potential opportunities available to them.
15	FWG 01/2000	Development of a Health and Husbandry Manual for Grouper Farming (Philippine) 1Y \$59,000(OA) In progress	To develop a farmer-friendly manual on health management and general husbandry of grouper.
16	FWG 02/2000	Development of a regional research program on grouper virus transmission and vaccine development. (Thailand) 1.25years \$42,100(OA) \$20,000(self) Completed	The objective of this workshop is to plan a strategy to address the following regional fish health issues: - develop techniques for rapid identification of viral diseases in grouper; - investigate modes of transmission/pathogenesis of viral disease: vertical and horizontal; - develop strategies for prevention of losses in grouper culture caused by viral diseases, using:immunology methods: vaccination, immunostimulants; and control of environmental conditions and farm management strategies; - Virological/health and epidemiological surveys associated with mortality of grouper in the region; - information dissemination on grouper pathogens; - strategies for responsible movement of live groupers to minimise risks of pathogen transfer associated.

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17	FWG 03/2000	Joint APEC/FAO/NACA Ad hoc expert Consultation on Trans- boundary Aquatic Animal Pathogen Transfer and the Development of Harmonised Standards on Aquaculture Health Management (Mexico)1Y \$55,900(OA) \$18,000(self) Completed	The project is to: - Development of a regional research programme on grouper virus and vaccine development. - Development of a health and husbandry manual for grouper farming.
18	FWG 01/2001	Collaborative APEC Grouper Research and Development Network (Australia) 1year (3years) \$89,000(OA) \$35,000(self) Completed	There are three key areas to this project, information exchange, development of sustainable cage aquaculture and improving the livelihoods of coastal communities. What this project seeks to do is to provide a management framework that networks all of the economies of APEC with the NACA network to maximise the effort and expenditure on research activities and reduce duplication of effort.
19	FWG 01/2001T	APEC Seafood Information System (SIS) - Phase 2 (Australia & Canada) 1year (2years) \$85,000(TILF) Completed	This is a pilot project to test the feasibility of improving and expanding the market and industry information service provided by GLOBEFISH and the FAO Regional Marketing Information and Advisory Services for Fishery Products on a cost-recoverable basis for the benefit of private industry participants and government officials throughout APEC.
20	FWG 02/2001	Management of Marine Algal Toxins in Seafood Products in the APEC region (USA) 1.75years(2.5years) \$38,000(OA) Completed	Recognizing the serious and growing problems faced by APEC member economies from red tides and harmful algal blooms (HABs), the overall objectives of the proposed project are to strengthen and facilitate trade in seafood products in the APEC Region and to improve public health protection in APEC member economies.
21	FWG 03/2001T	APEC Project for the Conservation and Management of Sharks (USA \$ Mexico) 1year \$91,070(TILF) Completed	This project will provide greater economic incentives and entrepreneurial opportunities and will lead to the development of sustainable harvest regimes that encourage less waste and discard of sharks.

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22	FWG 04/2001	Farming the Reef: A State- of -Art Review of Aquaculture of Coral Reef Organisms in Tropical Nearshore Environments. \$96,135(OA) \$76,000(self) Completed	Farming the Reef, will produce a state-of-the-art review of aquaculture in coral reef environments and will address the issue of aquaculture as part of the solution to curb over-and-destructive fishing in coral reefs.
23	FWG 01/2002	Capacity and Awareness Building on Import Risk Analysis (IRA) for Aquatic Animals (Thailand) 1year (3years) \$116,500(OA) 39,000(self) Completed	Recognizing the increasing serious socio-economic, environmental and possibly international trade consequences arising from disease incursions related to the introduction and spread trans-boundary pathogens/diseases through irresponsible movement of live aquatic animals, faced by APEC economies, FAO and NACA member economies, and taking Asia-Pacific, as an example of a region highly dependent upon aquaculture production and capture fisheries as a source of food, hard currency and foreign exchange earnings from regional and international trade, the proposed project will strengthen and facilitate trade in aquaculture products in the APEC Region and improve public health protection in APEC economies through a project that will improve human capacity, standardize approaches, establish networking that will facilitate exchange of information, experience and expertise.
24	FWG 02/2002	Developing Industry Standards for the Live Reef Food Fish Trade (USA) 2years \$86,413(OA) 163,000(self) Completed	The objectives of the project are to (1) initiate a consultative process among APEC member economies, live reef food fish suppliers and consumers, regional institutions, and non-governmental organizations that will lead to the development of industry standards for the trade based on principles for the sustainable collection, culture, and commerce of live reef food fish in the Asia-Pacific region; (2) formulate a draft set of agreed-upon standards and establish industry support for trade according to these standards; (3) identify options for an overarching regional framework among APEC member economies to facilitate the implementation of the industry standards; (4) prepare materials on which to model national enabling policies that promote the live reef food fish trade according to these industry standards. This project will create concrete guidelines to reduce and ultimately eliminate over- and destructive fishing on coral reefs, improve the sustainability of the live reef food fish trade, and stimulate trade in healthy live reef food fish produced or caught using non-destructive techniques.

#	Project Number	Project Name (Economy Name) Amount (USD) Project status	Project Description
25	FWG 01/2003T	<p>Current Situation and Market Perspectives for Aquaculture Products</p> <hr/> <p>\$68,140(OA)</p> <hr/> <p>Completed</p>	<p>Aquaculture is one of the world's leading productive activities, especially in APEC economies. It is considered as an important alternative or complement to capture fisheries in achieving sustainable growth and meeting food security objectives. . It is important however for policymakers to encourage the development of sustainable aquaculture practices that ensure the long – term viability of this sector and prevent the spread of disease and environmental degradation. As aquaculture becomes more widespread and productive many developing economies are exporting their surplus production. Likewise, for many developed economies, fish and seafood represent one of their most significant imports. This project consists of a Workshop with experts in APEC aquaculture product markets, which will take place in Lima-Peru, in October 2003. It is intended that participants will share information on past experiences and market trends so that APEC member economies entering the market or seeking to expand production may increase their likelihood of success. As a Workshop result, high-valued information will be spread for aquaculture development planning and new communication channels will be set up among APEC economies The workshop will also produce a report that can serve as a benchmark of where the market for aquaculture products in APEC stood at the time the meeting was conducted. The report will further provide market indicators useful for policymakers and business people in the future.</p>
26	FWG 02/2003	<p>Sharing Knowledge During the international Conference on Governance of Deep-Sea Fisheries (New Zealand, December 2003) (Peru)</p> <hr/> <p>\$43,000(OA)</p> <hr/> <p>Completed</p>	<p>The Project purpose is to make possible the participation of APEC Economy's experts on deep-water species and fisheries research at the International Conference on Governance of Deep –Seas Fisheries that New Zealand's Ministry of Fisheries and Australia's Agriculture, Fisheries and Forestry Department will hold, in association with FAO, in New Zealand in December 2003. During this event, APEC economy experts will report on and discuss Pacific fisheries research knowledge, with the objective of increasing existing information about the state of the art. This discussion will enable the elaboration of an updated database. This information will be available to APEC scientists and managers to develop and implement assessment and research strategies to allow sustainable exploitation of deep bottom resources in the Pacific Ocean, without damaging the environment quality and without depleting the resources below sustainable levels. The specific objectives of the project are: 1. To participate in an International Conference on Governance of Deep –Seas Fisheries in New Zealand (December 2003) where the APEC experts will show their knowledge, abilities, and experiences on Deep-water Fish and fisheries; 2. To contribute on a regional Deep Water Fish and Fisheries network among APEC member and fisheries development institutions, to develop and implement research strategies to exploit deep sea resources in the APEC region at sustainable levels, without damaging the environment quality.</p>

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27	FWG 03/2003	Derelict Fishing Gear and Related Debris: An Educational Outreach Seminar Among APEC Partners (USA) 1year \$17,500(OA) Completed	<p>The proposed project is to hold an outreach seminar on the persistent and difficult issue of derelict fishing gear and related marine debris in order to promote constructive dialogue and information exchange, knowledge building, technical assistance, and capacity building. APEC is uniquely qualified to serve as a vehicle for raising awareness of this problem through its Fisheries Working Group (FWG), broad membership, and Pacific focus. Derelict fishing gear and related debris are responsible for broad degradation of the Pacific region's economic and ecological resources. The problems with derelict fishing gear and related debris can be generally grouped into three areas. First, floating derelict fishing gear is a hazard to vessel navigation and poses a threat to life and property when encountered at sea by water craft of all sizes. Second, some lost or discarded derelict fishing gear continues to function as designed, catching target commercial species without economic benefit but with economic cost. This "ghost fishing" of commercial stocks is undocumented and not integrated into stock management models, potentially threatening the long-term viability of carefully managed stocks. Third, derelict fishing gear also regularly entangles protected and threatened marine species, hampering recovery actions. In addition to the Pacific wide impact of derelict fishing gear noted above, the problem of derelict fishing gear in the Pacific is exacerbated by oceanographic surface currents which ultimately concentrate much of the debris from the greater North Pacific Ocean in ecologically sensitive regions. For example, in the United States, to date, over 120 tons of derelict fishing gear have been removed from the shallow coral reefs of Northwest Hawaiian Islands. This problem stems from the activities of all States that border the Pacific basin; potentially impacting the economic and other interests of such States. This, this problem is one uniquely suited to pursuing under the aegis of APEC. The regional scale and multi-national scope of the problem of derelict fishing gear and related debris that is being experienced in the Pacific region necessitates efforts to (1) raise awareness of the existence of this problem and its impacts, examine ways in which derelict gear and related debris occurs, how such debris is concentrated in the ocean, and what international frameworks are in place to address disposal or accidental loss; (2) review regulatory and infrastructure mechanisms pertinent to gear loss or disposal to determine the international policy and legal frameworks that are in place, if any, to address disposal or accidental loss; and (3) identify gaps or obstacles to mitigating gear loss and ensure proper disposal. APEC is uniquely qualified to serve as a vehicle for raising awareness of the problem of derelict fishing gear and related debris through the Fisheries Working Group. APEC's broad membership and Pacific focus would facilitate participation by those States with the most interest in this issue. It would be targeted directly to fishermen, industry leaders, policy-makers, and managers from those States.</p>

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28	FWG 01/2004	<p>A Feasibility Study on the Establishment of an Inter-Governmental Mechanism for the Development and Management of an Aquaculture Network in the Americas (USA) 1year (1.5years)</p> <p>\$62,000(OA) \$40,000(self)</p> <p>In progress</p>	<p>The objective of this project is to explore the feasibility of establishing an inter-governmental mechanism for the development and management of an aquaculture network in the Americas and to develop an implementation framework and a roadmap. It is widely recognized that the Network of Aquaculture Centers in Asia (NACA), an inter-governmental network established for aquaculture development and management in Asia-Pacific, has contributed in important and diverse ways to the growth and sustainability of the aquaculture sector in Asia-Pacific. These APEC funds will be used to explore the possibility of establishing such a mechanism for the Americas.</p>
29	FWG 01/2004T	<p>Auditor Training and Certification (USA) 1month (1year)</p> <p>\$67,860(TILF) \$319,600(self)</p> <p>In progress</p>	<p>The Auditor Training and Certification project offers APEC member economies an opportunity to create their own internal auditor certification mechanism by training and certifying a small number of personnel in each economy. The project is designed to provide certified auditors who will train individuals to audit food safety and quality systems and become certified according to internationally recognized standards.</p>
30	FWG 02/2004	<p>Sustainable Fisheries Development in the Region (Vietnam) 1year</p> <p>\$76,420(OA) \$6,000(self)</p> <p>In progress</p>	<p>This project aims at organizing a 3-day workshop involving policy makers and experts in the fisheries sector from all APEC member economies. The workshop is scheduled to take place in Hanoi, Vietnam, in October 2004. Participants will share information, best practices on past experiences in order to assist APEC economies initiating sustainable fisheries practices. As a result of the workshop, valuable information regarding sustainable fisheries development will be extended and new communication channels will be set up among APEC economies. The workshop will also produce a full report, which will be circulate to all member economies to provide useful indicators for policymakers, fishermen as well as private sector to use as a reference tool in the future.</p>

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31	FWG 02/2005	Ecosystem based approach: A Comparative Assessment of the Institutional Response in Fisheries Management within the APEC Economies. The case of Demersal Fisheries (Phase 1) (Chile) 1year \$18,500(OA) \$18,510(self) In progress	The project is structure in two phaes. The project objectives for the first ophase are: 1. to outline the current decision-making in fisheries management process in each economy, 2. to carry out a comparative analysis of the integration of the Ecosystem based approach (EBA) in fisheries management and sectoral decision-making process within APEC region; and 3. to discuss/propose institutional mechanisms and operational management tools to incorporate the EBA in the fisheries administration with emphasis in demersal fisheries. If agreed during the FWG Meeting in 2005, a second phase will be focused in the identification of scientific, insittutional and policy based mechanisms that could improved the situation already described by the diagnosis (Workshop) and to submit a workshop report with suggestions and recommendations. These are expected to enhance the institutional co-operation framework in the region (Synthesis).
32	FWG 03/2005	Proposal for the Establishment of a Network for Deep Sea Resources and Fisheries (Peru) 1year \$34,200(OA) \$10,500(self) Completed	At the present time, there is not available a Network exclusively addressing the research of the deep sea resources and fisheries and their surrounding environment, despite their growing importance in the last years. There are scientific institutions that have been able to obtain information on this subject along many years of research, but this information is dispersed. Although some areas of interest are already being studied, so far there has not been any intent to integrate such studies in a program at a regional scale. The NETWORK will create an objective platform to cover this gap. The importance of the network is to communicate and to exchange information among researchers of the APEC economies, allowing the increase of knowledge about these resources.
33	FWG 01/2006	Proposal for APEC Seminar on Sharing Experiences in Managing Fishing Capacity \$39,400(OA) In progress	The main objective of this project is to develop a Seminar to exchange and share experiences among APEC economies in the management of fishing capacity, and to enhance capacity-building for other members in managing their fishing capacity. The project will be designed such that a Seminar to be carried out in September (Taipei, Chinese Taipei), with the participation of experts with experience in managing fishing capacity from a number of APEC economies, as well as from FAO and other regional organizations.

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34	FWG 01/2006T	<p>Improving the Conservation and Management of Sharks in the APEC Region</p> <hr/> <p>\$55,000(TILF)</p> <hr/> <p>In progress</p>	<p>APEC has repeatedly called for sustainable development of the region's fisheries resources and there is ample biological, policy, and economic reason to prioritize work relating to shark fisheries at this time. This project responds to calls in the Seoul Oceans Declaration to: (1) facilitate, through exchange of information, effective regional implementation of global fisheries instruments in achieving responsible fisheries and sustainable aquaculture; and, (2) strengthen cooperation to promote responsible trade in fishery products through, inter alia, APEC's TILF initiatives. This project will comprise the second step towards building APEC capacity to implement the FAO International Plan of Action for shark conservation and management. It responds to regional interest in implementing the manual for shark conservation and management that was produced by APEC Project FWG 01/2001T. APEC-wide implementation of the manual is beyond the scope of this proposal. Rather, this proposal seeks implementation in a discrete portion of the APEC region, as a prototype for further APEC action and as APEC's contribution to global efforts (led by FAO), other regional efforts (led by relevant RFMOs) and bilateral efforts by APEC and FAO members. TILF funding is appropriate for this project because implementation of sustainable shark fisheries will prevent CITES-imposed restrictions on trade in threatened or endangered shark species. This will permit continued and eventually enhanced trade in these species, consistent with TILF funding objectives. If shark conservation and management is not improved, trade could be disrupted for at least two reasons: (1) further declines in stocks could reduce the economic viability of shark trade and (2) domestic pressures in some economies could force unilateral restrictions on shark trade. As different parts of the APEC region are at different stages in fisheries management with respect to shark stocks, this project provides a flexible approach, providing work to improve shark conservation and management in APEC and non-APEC economies in the Americas, a program that has been identified by experts as critical to sustainable use of sharks in our region. APEC is uniquely qualified to serve as a vehicle for this type of information sharing through its Fisheries Working Group (FWG), broad membership, and Pacific focus, and would facilitate participation by those economies with the most interest in this issue. It would be targeted directly to fishermen, industry leaders, policy-makers, scientists and managers from those States. This project directly addresses a key recommendations from the 2002 APEC Shark Workshop held in Huatulco, Mexico. It is likely that without active APEC support and involvement this work will not take place, at least not in the timely manner envisioned by APEC leaders and ministers in their calls for sustainable development of marine resources.</p>

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35	FWG 02/2006	Aquaculture Network for the Americas (ANA): Phase 1 <hr/> \$36,400(OA) <hr/> In progress	<p>The purpose of this project is twofold. On the one hand, to prepare a detailed and full-fleshed project proposal to start the Aquaculture Network for the Americas (ANA Phase I), as a three to four year project. On the other hand, to secure funding to start ANA Phase I. Under this project three types of activities will be conducted: (i) Desk work to prepare the document for the project proposal, including: the design of project structure, activities, required personnel, equipment and financial resources, as well as, expected products and performance indicators. To be conducted in the Americas region during the first two months of the project. (ii) Communications and discussions on project proposal with economy representatives (i.e., National Focal Points) to ensure ANA economy members participation in the elaboration of project proposal. This communications and discussions will be conducted through e-mail, phone-conferences and direct meetings if necessary. To be conducting in the Americas region. Discussions on ANA project proposal will be conducted during the first two months of the project. Communications will take place during the entire project (i.e., 8 months). International travel to market project proposal with international development agencies and/or international foundations. This will take place in the Americas region and Europe. They will take place after the third month of the project and before its end. The purpose of travel is to identify and secure funding for ANA Phase I with institutions like FAO, Government of Spain, Interamerican Development Bank, World Bank, Mac Arthur Foundation, Inter American Foundation, IDRC and CIDA, among others.</p>