

33rd PCM and 13th FCG Meeting held in Bangkok

SEAFDEC Training Department hosted the Thirty-third Meeting of SEAFDEC Program Committee (PCM) on 30 November - 2 December 2010, back-to-back with the Thirteenth Meeting of Fisheries Consultative Group

of the ASEAN-SEAFDEC Strategic Partnership (FCG/ASSP) on 3-4 December 2010 in Bangkok, Thailand.

During the 33rd PCM, the results of program implementation for the

year 2010 and the proposed programs of activity for the year 2011 were scrutinized and endorsed, taking into consideration the priorities and needs of the countries as previously guided by the SEAFDEC Council. In particular, the Committee considered the progress and achievements of the programs under the FCG/ASSP in 2010 and provided recommendations for the proposed activities for 2011, as well as on the new programs and non-funded programs. The PCM was also attended by the representative from FAO/RAP, of which the willingness of FAO to collaborate with SEAFDEC was expressed and the areas of mutual interest and possible



Participants of the 33rd Program Committee Meeting

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RTCs to support the ASEAN-SEAFDEC Conference 2011

As part of the technical preparation for the ASEAN-SEAFDEC Conference on Sustainable Fisheries for Food Security Towards 2020 “Fish for the People 2020: Adaptation to a Changing Environment” scheduled on 13-17 June 2011 in Bangkok, Thailand, the

SEAFDEC Secretariat in collaboration with TD and MFRDMD convened two meetings: i) Regional Technical Consultation on Sustainable Fisheries Management on 12-15 October 2010 at TD; and ii) Regional Technical Consultation on Adaptation to a Changing



RTC as basis for development of the Resolution & Plan of Action Towards 2020

Environment on 1-4 November 2010 in Bangkok, Thailand with funding support from the Japanese Trust Fund and the SEAFDEC-Sida Projects, respectively.



RTC on Adaptation to a Changing Environment

The issues discussed at the RTC on Sustainable Fisheries Management covered three themes of the June 2011

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EDITORIAL

During this quarter, SEAFDEC organized the 33rd Meeting of the SEAFDEC Programs Committee to scrutinize the SEAFDEC program implemented in the year 2010 and the proposed programs for 2011. Back-to-back with the PCM, SEAFDEC also organized the 13th Meeting of the FCG/ASSP, of which preparatory works for the ASEAN-SEAFDEC Conference to be organized in June 2011 were discussed, particularly the regional and sub-regional consultations and the national exercises to review the progress made by respective countries in the implementation of the Resolution and Plan of Action adopted in 2001.

During the period, SEAFDEC also took part in the Prep SOM-32nd AMAF, SOM 10th-AMAF Plus Three and 32nd AMAF, and updated the progress in the implementation of various FCG/ASSP programs. In particular, the AMAF Meeting supported the Policy Brief and the Regional Guidelines on the Promotion of “One Village, One Fisheries Product” (FOVOP), and the proposed plan and progress in the conduct of the ASEAN-SEAFDEC Conference. The development of the Resolution and Plan of Action was particularly discussed considering the importance of the two documents in providing guiding principles and policy framework for the region’s fisheries development in the next decade.

In the quarter, several consultations and training courses were also conducted by the SEAFDEC Secretariat and Departments, aiming to address the fisheries priorities and requirements of the Member Countries, and contribute to the sustainable development of fisheries in the Southeast Asian region. ✦

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collaboration in 2011 and onwards were outlined. The outcomes of the program scrutiny and recommendations of the PCM would be submitted to the forthcoming Meeting of the SEAFDEC Council for consideration and approval.

Back-to-back with the PCM, the 13th FCG/ASSP Meeting was also convened. Apart from the discussion on the FCG/ASSP programs, the Meeting served as a forum for the discussion on the ASEAN-SEAFDEC Conference “Fish for the People 2020” to be co-organized by the ASEAN and SEAFDEC, and hosted by the Department of Fisheries of Thailand in June 2011. Of particular focus were the Conference technical preparatory works including the regional and sub-regional technical consultations and the national exercises to review the implementation of the Resolution and Plan of Action adopted in 2001 and identify important issues of the respective countries, as



well as the further process in drafting the Next Decade Resolution and Plan of Action. For the important regional fisheries-related issues, particularly on CITES, the Meeting noted the possibility that proposals on listing of shark species in the CITES Appendices would be raised again at the forthcoming COP16-CITES in 2013. Thus, SEAFDEC was requested to monitor the issue and come up with information as basis for further discussion and formulation of common/coordinated position among the countries. ✦

RTCs to support the ASEAN-SEAFDEC Conference 2011

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Conference, namely: Theme 1 on “Enhancing Governance in Fisheries Management”, Theme 3 on “Ecosystem Approach to Fisheries”, and Theme 8 on “Sustaining Food Supply from Inland Fisheries”; while the RTC on Adaptation to a Changing Environment covered Theme 5 on “Emerging requirements for trade in fisheries products”, Theme 6 on “Climate Change Adaptation & Mitigation Towards Food Security”, and Theme 7 on “Livelihood among Fishing Communities and Prospects of Employment in Fisheries Related Activities”.

The Consultation was participated in by representatives from ASEAN-SEAFDEC Member Countries, as well as representatives/experts from regional/international organizations, such as the FAO/RAP, AIT, MRC, WorldFish

Center, and ASEAN-US Technical Assistance and Training Facility (TATF). The outcomes of the two RTCs included policy recommendations on each Theme that could serve as useful inputs for further developing the next decade ASEAN-SEAFDEC Resolution and Plan of Actions under the Conference framework.

Up to the end of 2010, SEAFDEC has organized four RTCs, covering 8 themes identified for the Conference, which include the RTCs on: i) Sustainable Aquaculture Development (17-19 March 2010, Thailand); ii) Post-harvest and Safety of Fish and Fishery Products (20-22 July 2010, Singapore); iii) Sustainable Fisheries Management (12-15 October 2010, Thailand); and iv) Adaptation to a Changing Environment (1-4 November 2010, Thailand). ✦

SEAFDEC Secretary-General attends the meeting on Ecosystem Approach to Inland

During 7-10 December 2010, SEAFDEC Secretary-General Dr. Chumnarn Pongsri, with officials from SEAFDEC Secretariat participated in the meeting on “Ecosystem Approach to Inland Fisheries: Data Needs and Implementation Strategies” organized by FAO, NACA and the Department of Livestock and Fisheries, in Vientiane, Lao PDR.

While reiterating the importance of inland fisheries for its contribution to food security and livelihood of people in various regions, the Meeting noted that inland fisheries are mostly small-scale, not well-monitored, under-estimated and under-represented. This is due to the nature of the fisheries where fishers’ activities are mostly subsistence and are partly engaged in fishery activities, as well as the seasonality of the fishery activities.

During the Meeting, discussion was made on several issues and concerns that should be considered in achieving

sustainable inland fisheries. One of the important issues is on improving data/information collection on inland fisheries production to enhance awareness on the importance of inland fisheries. It was emphasized that data and information collected using the existing system should be interpreted into information, and the information should be packaged and presented to other sectors, as well as to policy makers/planners to enable them to understand the importance of inland fisheries. Other considerations were also discussed, e.g. the application of ecosystem approach or catchment approach to inland fisheries (considering that ecosystem boundaries, in most of the cases, differ from management areas), holistic approach in inland fisheries management (by creating the awareness of other sectors sharing

the same resources, on the importance of inland fisheries and the ecosystem, in order that such considerations could be taken into account by policy makers/planners of other development sectors). In addition, other aspects to ensure sustainable inland fisheries were also discussed, e.g. mitigation of impacts from development projects on fish production, stock enhancement program, improving gear selectivity targeting certain species, among others. ☒



Ecosystem Approach meeting co-organized by FAO, NACA and the Department of Livestock and Fisheries, Lao PDR

Enhancing fishery skills and experience for Thai university students

TD organized a twelve-day training course on Sustainable Utilization of Fishery Resources for University Students from 18 to 29 October 2010 at the Training Department in Samut Prakan, with 46 fisheries students from six universities in Thailand attending the course. The training course aimed



Practical sessions on fishing operations for university students

to develop skills on responsible fishing operations for the students. As part of the training course, the students joined the study tour and were briefly explained on the various aspects of the utilization of fishery resources and sustainable development. Moreover, practical sessions were provided e.g.

on fishing operations using gill net, trawl, collapsible crab trap and oceanography study in Rayong Province, including survey on fisher’s livelihood, in order to enhance their skills and experiences which could be useful for their future fishing career. ☒

AQD signs new agreement with the University of Tehran



On 27 October 2010, in Tehran, Iran, AQD signed a memorandum of understanding with the University of Tehran, to develop academic programs that will allow students and staff of both institutions to share expertise. ☒

DEPARTMENTAL ACTIVITIES

SEAFDEC Secretary-General attends International Conference on Wetland

SEAFDEC Secretary-General, Dr. Chumnarn Pongsri, attended the International Conference on Wetland Ecosystem Services: Biodiversity, Livelihood and Sustainability organized on 17-21 November 2010 in Khon Kaen, Thailand. The Conference was presided over and officiated by H.E. Mr. Suvit Khunkitti, Minister of Natural Resources and Environment of Thailand. In the keynote speeches and presentations made during the Conference, the importance of wetlands and experiences from

programs/projects undertaken in Thailand as well as from other countries both within and outside the region on various types of wetland ecosystems, were shared and discussed.

Based on the presentation, it could be concluded that although some emphasis has been made on wetland ecosystems, recognition on its value should be enhanced through the conduct of economic valuation, covering direct, non-direct and non-use values of wetlands. Information on this regard should be developed and packaged targeting policy makers and planners for consideration on trade-off in the implementation of development projects in such wetland areas. Governance of wetland needs to be improved, e.g. through stakeholder participation, strengthening



Wetland Ecosystem Conference



SEAFDEC Secretary-General (left) and H.E. Suvit Khunkitti (right)

of management institutions, spatial planning, and consideration should be given on the use of co-management and catchment approach in the management of wetlands, as appropriate. In addition, there is a need to balance between the utilization and reservation of wetland; while that practical indicators should also be developed to help in monitoring and evaluating the conditions/sustainability of the ecosystems. ❖

AQD offers courses on sandfish, freshwater aquaculture and fish nutrition

AQD successfully conducted the first training on the “Seed production and nursery of sandfish (*Holothuria scabra*)” on 12-26 October 2010, with eight participants from Tanzania (1), United Kingdom (1), Malaysia (2), and Philippines (4), at AQD’s Iloilo station in the Philippines. Covered by the course were lectures and practicals on sandfish biology, broodstock collection and management; natural

food organisms; spawning induction and egg collection; larval rearing; nursery systems management; and grow-out culture. AQD is developing sandfish technologies in collaboration with Vietnam’s Research Institute of Aquaculture No. 3 (RIA 3), University of the Philippines, ACIAR through the WorldFish Center, and JIRCAS.

Meanwhile, the course on “Community-based freshwater aquaculture for remote rural areas of Southeast Asia” was also held on 8-18 November 2010 at AQD and was attended by eight trainees from Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Thailand and the Philippines. The activity was initiated through the GOJ-TF to assist the Southeast Asian countries adopt sustainable freshwater aquaculture. The lectures and practicals



Fish nutrition course at AQD

focused on the commercially-important freshwater species like tilapia, bighead carp, catfish, and freshwater prawn.

AQD also conducted a special course on “Fish nutrition” for the lone participant from Oman-Mr. Ahmed Said Al Souti-which ran for 12 days starting 22 November 2010, with both lectures and practical sessions. ❖



Training on seed production & nursery of sandfish

SEAFDEC takes part in CZAP and WSFC

SEAFDEC collaborated with the Coastal Development Center (CDC) and Department of Fisheries of Thailand in organizing the Coastal Zone Asia-Pacific Conference (CZAP) on 17 October and World Small-Scale Fisheries Congress (WSFC) from 19 to 22 October 2010 in Bangkok, Thailand.

More than 100 participants from various regions attended this two conferences, which focused on coastal management and small-scale fisheries from various regions' perspective. Six SEAFDEC staff from the Secretariat and TD participated in this conference and presented technical papers related to small-scale fisheries in the Southeast Asian region.

In parallel with the event, TD also organized an exhibition to promote SEAFDEC visibility and activities, particularly on the role of SEAFDEC in enhancing sustainable development of small-scale fisheries in the region. The exhibition was of interest to the visitors and participants. Moreover, TD publications and the information series on coastal and fisheries development and management were also disseminated in the conference.

In addition, to the above activities SEAFDEC also arranged excursion programs for participants to visit small-scale fisheries communities in Samut Sakorn, Samut Songkram and Petchaburi Provinces. ❖



TD's exhibition to promote the role of SEAFDEC in small-scale fisheries development in the Southeast Asian region

AQD works with and visits Japanese universities

AQD scientist Dr. Maria Rowena Eguia and senior technical assistant Ms. Mary Nia Santos visited two Japanese universities involved in DNA marker works from 25 October to 5 November 2010. This was part of the Japanese Society for the Promotion of Science (JSPS) Joint Research Program between Tohoku University and AQD on the Application of Molecular Genetic Markers in the Conservation and Management of Marine Genetic Resources in Asia. The universities visited by Dr. Eguia and Ms. Santos were Fukuyama University and Tohoku University (Amamiya Campus). They also went to the latter's Onagawa Field Science Center where Ms. Santos received training on advanced DNA marker methods from 6 November to

14 December. The trip, which was supported by AQD and the JSPS, was also made to accurately analyze mud crab and abalone samples for mtDNA sequence and microsatellite marker variation for use in the stock conservation projects of both commodities.

Meanwhile, Dr. Narisato Hirai of the Fisheries Research Agency (FRA) of Japan was in AQD on 10 November to share some laboratory techniques on steroid extraction and fish maturation assessment to AQD associate scientist Dr. Fiona Pedroso. Both have a collaborative study on Reproductive Biology and seed Production of Napoleon Wrasse funded by FRA.

Furthermore, seven Japanese students from Kagoshima University taking up Master degree in Fisheries toured AQD's laboratories and hatcheries on 2 December 2010. They were especially fascinated with the milkfish, abalone and seahorses. The students were accompanied by their professors, Dr. Ishizaki Munehika and Dr. Erlinda Lacierda, and two staff from the University of the Philippines in the Visayas. ❖



AQD staff trained on advanced DNA marker methods in Japan

AQD conducts crab culture seminar in Brunei Darussalam



Seminar on Mud Crab Culture in Brunei Darussalam

AQD scientists Dr. Emilia Quintio and Dr. Fe Dolores Estepa conducted a three-day seminar on mud crab culture from 22 to 24 November at the request of and under the sponsorship of the Department of Fisheries - Brunei Darussalam. Attended by more than

80 participants, the course included lectures about broodstock management, nursery and grow-out pond culture. The participants also went on a field trip to a private enterprise and were introduced to an indoor soft-shell crab production facility. ❖

AQD hosts the 11th ISEP Meeting

From 6 to 8 October 2010, SEAFDEC Aquaculture Department hosted the Eleventh Meeting of the SEAFDEC Information Staff Exchange Program (ISEP) in Manila, Philippines, in order to discuss the information-related activities and initiatives undertaken by the SEAFDEC Secretariat and all Departments in order to further enhance the information activities of SEAFDEC for benefit of the region.



The 11th ISEP Meeting in Manila, Philippines

The progress in the implementation of information-related activities by SEAFDEC Secretariat and the Departments based on the “Information Strategies” in 2010 was presented and discussed. The Meeting provided comments for improvement of the activities/initiatives, particularly on the production of more technical publications/handbooks rather than reports of meetings, mobilization of SEAFDEC websites to enhance the timeliness in disseminating materials, enhancing production of electronic publications as and when appropriate, ensuring timeliness and quality of publication, among others. The Meeting also discussed the preparation and enhancement of SEAFDEC information

tools/activities in 2010, particularly on the materials that require unified inputs from all Departments, as well as the promotional materials relevant to the ASEAN-SEAFDEC Conference “Fish for the People 2020: Adaptation to a Changing Environment” to be conducted in June 2011, *e.g.* the Conference announcements and other promotional materials, the special issue of “Fish for the People” magazine to be launched during the Conference, the final Press Conference tentatively scheduled in April 2011, as well as the plan for the SEAFDEC exhibition display during the Conference. The Meeting also discussed the initiatives for enhancing the visibility of SEAFDEC in the future, *i.e.* the production of the publication on the Southeast Asian Status and Trends on

Fisheries and Aquaculture (SEASOFIA) to compile and publish information on status and trends of fisheries including emerging fisheries-related issues, the New Training Programs of AQD in 2010 and 2011 to enhance the dissemination and transfer of developed technologies.

On 8 October 2010, the participants also visited the Asian Development Bank (ADB) in Manila. Briefing was made particularly on the ADB publication programs, the field level communication to raise profile and obtain stakeholders support to the activities, and the ADB website comprising several modules to enhance accessibility of the ADB activities and information to the public.



Public-Private Sector Dialogues on Sustainable Fisheries and Aquaculture

Public-Private Sector Dialogues on Sustainable Fisheries and Aquaculture were organized by ASEAN Secretariat with support from the ASEAN-US Technical Assistance and Training Facility (AU-TATF) in collaboration with the Food and Agriculture Organization of the United Nations (FAO) and SEAFDEC. Two Sub-regional Consultations were organized: one for the archipelagic ASEAN Member States held on 9 November 2010 in Bali, Indonesia, and another for the mainland ASEAN Member States held on 11 November 2010 in Bangkok, Thailand. These Dialogues were held as part of the preparatory process for the ASEAN-SEAFDEC Conference

on Sustainable Fisheries for Food Security Towards 2020, “Fish for the People 2020: Adaptation to a Changing Environment” to be held in June 2011 in Bangkok, Thailand.

The purpose of the Dialogues is to promote public-private partnership for fisheries and aquaculture, with specific objectives of fostering exchange of views and ideas between the public sector and the private sector (local/international companies) engaged in promoting sustainable fisheries and aquaculture, and identifying issues and recommendations as inputs for drafting the Next Decade Resolution and Plan of Action for Sustainable Fisheries

in ASEAN. The representatives from public and private sectors underscored the multi-dimensional importance of fisheries and aquaculture to sustainable development and trade promotion. The participants also recognized key issues and challenges posed to the fisheries and aquaculture sector, including fisheries resource degradation, multiple water resource use conflicts, unsustainable and illegal practices, stringent requirements of market and trade, and impacts of climate change; as well as the need for all relevant stakeholders to work towards ensuring sustainable development of fisheries, particularly considering its contribution to food security.

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Fishing vessel operations training course

Training Department in collaboration with the Vocational Education Commission of Thailand organized a four-month Training Course on Fishing Vessel Operations from 4 October 2010 to 25 February 2011. Twenty students from Tinsulanonda Fisheries College, Songkhla Province attended the training course which aimed to provide skills to



Ship board training for Fishing Vessel Operations training course

students and share with them the relevant experiences and skills which they can use for their work in the future. The training course consisted of six subjects, namely: ship construction and stability, marine communication, laws and regulations of navigation, navigation technology practices, marine machinery technology and practices, and fishing gear technology and practices. Moreover, as part of the practical session, the students also had opportunity to conduct hands-on practice onboard the M.V. SEAFDEC and the M.V. Plalung, and had a study visit to various shipping facilities relevant to the training subjects to enhance their experience which is necessary for the future career. ❖

AQD joins AgriLink 2010



AQD took part in the Philippines' largest agricultural trade fair, AgriLink 2010, held 7-9 October at the World Trade Center in Pasay City. AQD staff took turns in manning the booth, providing free technical consultation, selling AQD publications, and distributing flyers and institutional reports. Good agricultural practices and small ruminants were the main focus of the fair. ❖

Public-Private Sector Dialogues

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The Dialogues reviewed and discussed the issues and priority areas of action following the eight distinctive but inter-related themes that have been identified for the June 2011 Conference while the priority issues and challenges based on the private sector's perspectives were discussed and reflected as a consolidated matrix.

The eight themes are:

- 1) Enhancing Governance in Fisheries Management
- 2) Sustainable Aquaculture Development
- 3) Eco-system Approach to Fisheries
- 4) Post-harvest and Safety of Fish and Fisheries Products
- 5) Emerging Requirements for Trade
- 6) Mitigation of and Adaptation to the Potential Impacts of Climate Changes in Fisheries and Aquaculture
- 7) Livelihoods among Fishing Communities and Prospects of Employment in Fisheries and Aquaculture
- 8) Sustaining Food Supply from Inland Fisheries. ❖

AQD trains fisheries officers in Myanmar on feeds and fish health

AQD conducted two on-site training sessions in Yangon, Myanmar for the staff of the country's Department of Fisheries (DOF) and members of a fish-farmers' federation. Conducted from 24 to 26 November was the "Farm-based feed preparation course" (53 participants) and from 6 to 8 December was the "Fish health management course" (14 participants).

Both courses which focused on freshwater species, were funded by the Government of Japan – Trust Fund and were organized by AQD in collaboration with DOF Myanmar.



Fish Health Management Course conducted in Yangon, Myanmar

Resource persons for the feed course included AQD researchers Dr. Mae Catacutan and Dr. Veronica Alava; while DOF Director-General Mr. Khin Ko Lay, DOF Aquaculture Head Mr. U Htun Win and AQD training head Ms. Kaylin Corre arranged and facilitated the course. Dr. Edgar Amar, Dr. Rolando Pakingking Jr and Ms. Gregoria Erazo on the other hand, taught the fish health course. ❖

Trainees in farm-based feed preparation course conducted in Yangon, Myanmar

Chemical and Drug Residues in Fish and Fish Products in Southeast Asia (Biotoxins Monitoring in ASEAN)

by Marine Fisheries Research Department (MFRD)

From 2009 to 2012, the Post-harvest Technology Division has been conducting the Japanese Trust Fund II project on Chemical and Drug Residues in Fish and Fish Products in Southeast Asia- Biotoxins Monitoring in ASEAN under Marine Fisheries Research Department (MFRD) programmes.

Consumption of a variety of shellfish and fish that harbor potential marine biotoxins causes an increasing number of human intoxications around the world. Around 400 poisonous fish species exist and, by definition, the substances responsible for the toxicity of these species are biotoxins. Marine biotoxins represent a significant and expanding threat to human health in many parts of the world. The impact is visible in terms of human poisoning or even death following the consumption of contaminated shellfish or fish, as well as mass killings of fish and shellfish, and the death of marine animals and birds.



Opening ceremony of the program on Chemical and Drug Residues in Fish and Fish Products in Southeast Asia

The Codex Alimentarius Code of Practice for Fish and Fishery Products (CAC/RCP 52-2003) defined biotoxins as poisonous substances naturally present in fish and fishery products or accumulated by the animals feeding on toxin producing algae, or in water containing toxins produced by such organisms.

Monitoring seafood for toxicity is essential to manage the risks. However, there are several limitations in monitoring for toxicity such as the variation in toxin contents between individual shellfish, different detection and even extraction methods for the various toxins requiring a decision which toxins should be test for, and the frequency of sampling to ensure that toxicity does not rise to dangerous levels in temporal or spatial gap between sampling times or locations. Furthermore, the growing harvest of non-traditional shellfish (such as moon snails, whelks, barnacles) may increase human health problems and management responsibilities (FAO, 2004).

In view of these, a project on biotoxins monitoring in ASEAN Countries was proposed by SEAFDEC/MFRD to increase the attention in expanding and improving initiatives to monitor, detect and share information on marine biotoxins in order to reduce the public health risks associated with the consumption of contaminated shellfish and fish.

The objectives of the project are to:

- (i) Establish protocols for harmonization;
- (ii) Encourage member countries without monitoring system to establish their own system;
- (iii) Establish a directory of reference of experts and responsible persons; and
- (iv) Enhance analysis capability to an acceptable confidence level with the 1-year survey.

Regional Technical Consultation

The First Regional Technical Consultation for the project was held from 26-28 August 2009 at Novotel Clarke Quay in Singapore.

A total of 19 participants from SEAFDEC member countries attended the meeting. Japanese expert, Dr. Toshiyuki Suzuki from the National Research Institute of Fisheries Science, the expert for the project was also present at the meeting.

Representatives from each country presented the biotoxins monitoring situation in their respective countries and their future plans. Dr. Suzuki also shared a paper on 'Biotoxin

Monitoring System – A Japanese Experience’. The Meeting agreed that there is an urgent need to build up capability in member countries for biotoxins analysis and that the methods should be rapid and preferable using equipment such as High Performance Liquid Chromatography (HPLC) or HPLC Tandem Mass Spectrometer (LC/MS/MS). The meeting also identified and agreed on the types of biotoxins and species to be monitored for the survey.

- 3) TTX toxins using LC/MS/MS
- 4) PSP ELISA rapid method
- 5) DSP rapid method.

These methods were selected based on feedbacks from member countries on the methods they wish to build up capability in during the regional technical consultation in 2009.



Survey

Following the Regional Training Course on Biotoxins Analysis, the member countries are expected to conduct a national biotoxins survey over a period of one year at selected sites. The use of methods taught in the training course is encouraged.

Results from the survey will be published as a technical compilation in 2012. An End-of-Activity meeting will also be held in 2012 to share the results of the survey, progress of biotoxins monitoring situation in respective countries and do a review of the project.

Japanese expert, Dr.Toshiyuki Suzuki from National Research Institute of Fisheries Science demonstrated on biotoxin monitoring during the RTC

Regional Training Course

The Regional Training Course, which was coordinated by the PHTD (Post-harvest Technology Division) was held at the Toxins Laboratory in the Veterinary Public Health Centre from 28 June to 7 July 2010, with the objective of training the member countries in establishing the biotoxins monitoring system in their respective countries.

Twenty-two participants from 10 ASEAN-SEAFDEC Member Countries participated in the training course. Dr. Toshiyuki Suzuki and Dr. Ryuichi Watanabe from the National Research Institute of Fisheries Science, Japan and Dr. Yasukatsu Oshima from Kitasato University were the lead trainers of the program. Two trainers each were also invited, through the Oasis Solutions Pte Ltd and Tropical Technology Centre, Japan, to conduct the sessions for rapid methods.

The 5 methods covered were:

- 1) DSP and lipophilic toxins analysis using LC/MS/MS
- 2) PSP toxins analysis using HPLC



The Regional Training Course held at the Toxins Laboratory in Veterinary Public Health Centre

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REGIONAL PROGRAMS

TD organizes international extension training course

The Training Department (TD) organized the Regional Training Course on Coastal Fisheries Management and Extension Methodology from 2 to 26 November 2010 at the Training Department in Samut Prakan, Thailand.

It is widely recognized that small-scale and coastal fisheries are crucial in ensuring food security for people in the region. They are important sources of livelihood for rural and coastal communities. However, fish stocks and other coastal resources are under immense pressure: over-fishing caused by high fishing pressure and open access, environmental degradation, and habitat destruction, all take a toll on fish populations and other coastal resources. Fast growing population, economic and industrial development, urban growth and tourism are only a few of the many factors that conflict in coastal areas. Since, responsible coastal fisheries management is one component of integrated coastal management, therefore fisheries and coastal resource managers need to facilitate consensus building processes between the growing numbers of various agents active in coastal areas. TD has taken up this challenge and is committed to assisting the SEAFDEC member countries in building up and developing capacity for integrated coastal management approaches. This training course has been specifically designed for fisheries extension officers to expand their skills beyond traditional fisheries management concepts and provide them with the mediation, facilitation and conflict resolution skills needed to become agents of responsible coastal change.

The objectives of this training course are to familiarize participants in the principles, concepts and need for radical change to coastal fisheries management and the roles of fishing communities

in the sustainable development and management of coastal resources; impart the principles, concepts, techniques and methodologies in extension, communication and media production ; and strengthen practical competence in planning and carrying out extension work, by focusing on the essential participation of fishers and fishery organizations.

This course focused on the modern principles and concepts of coastal fisheries and resources management; the need to change fisheries management towards co-management, involving local communities and applying eco-system principles to fisheries management; small-scale fishery problems and constraints; facilitation, mediation and conflict resolution skills; extension concepts, methodologies and implementation; study/field trips to fishing villages and media centers; and practical involvement and presentation of extension media. The participants who attended the training course were representatives from SEAFDEC Member Countries. ✂



Practical session on media production was part of the Extension Training Course

AQD accepts interns and student trainees

For the months of October through December 2010, AQD welcomed interns and student trainees from France, Singapore, Malaysia, U.S.A. and the Philippines. Their areas of interest included abalone hatchery and grow-out, crab production and grow-out, fish health and marine fish/seaweed culture. According to AQD's Training and Information Head Mr. Renato Agbayani, "interest in AQD training programs from abroad has been increasing in recent years". ✂



Interns and student trainees from France, Singapore, Malaysia, U.S.A. and the Philippines

SEAFDEC formalizes its collaboration with the RIHN

During the Regional Technical Consultation (RTC) on Sustainable Fisheries Management held at the Training Department, the SEAFDEC Member Countries witnessed the signing and exchange of the Memorandum of Understanding between SEAFDEC and the Research Institute for Humanity and Nature (RIHN) of Japan which was also organized on 12 October 2010. The aim of the cooperation is to establish long-term scientific and technical cooperative relationships including mutually beneficial academic collaborative research, and exchange of information, techniques, and publications. ✂

Regional Technical Consultation (RTC) on Traceability Systems for Aquaculture Products in ASEAN Region

MFRD in 2010 started the implementation of a 5-year project on Traceability Systems for Aquaculture Products in the ASEAN Region to enable the regional aquaculture industries to implement appropriate traceability systems for aquaculture products and to meet international traceability requirements in the network of aquaculture production, marketing, and trade. The project aimed to provide

a platform for the sharing of information and experiences among ASEAN Member Countries and to promote the implementation of traceability systems for aquaculture products in the ASEAN region.

Under the project, MFRD organized the RTC on Traceability System for Aquaculture Products in ASEAN Region in Singapore from 12 to 14 October

2010 with support from the Japanese Trust Fund. The RTC was attended by representatives from ASEAN-SEAFDEC Member Countries.

Three resource speakers were invited, one from Thailand's Department of Fisheries and two others from commercial companies providing solutions for traceability systems. The country participants presented country reports to share their knowledge and implementation of traceability systems in their respective countries.

The RTC deliberated and decided on the project outputs, activities and time schedule. The meeting discussed the training scope and schedule for the project and agreed to have the 1st on-site training in Vietnam in 2011 for food fish traceability systems and the 2nd on-site training in Thailand for shrimp traceability systems in 2013. ✕



RTC on Traceability Systems for Aquaculture Products in ASEAN Region conducted in Singapore

SEAFDEC participates in the Seminar on MCS Network and Fishery Resources and Management under Sub-regional Group of Southern and Eastern Area of South China Sea and Sulu-Sulawesi Seas in Malacca, Malaysia

The Seminar on Monitoring, Control and Surveillance (MCS) Network and Fishery Resources and Management under the Sub-regional Group of Southern and Eastern Area of South China Sea (SESCS) and Sulu-Sulawesi Seas (SSS) was organized by the Department of Fisheries Malaysia from 8 to 10 December 2010 in Malacca, Malaysia.

The Seminar aimed to follow up on the previous sub-regional of SESCO and SSS meetings, which focused on the implementation of the Workplan matrix of this sub-region under the Regional Plan of Action (RPOA) on Promoting Responsible Fishing Practices and Combat IUU Fishing. At this Seminar, the participants discussed and identified the strategic actions to

promote responsible fishing practices and combating IUU fishing through MCS network and fisheries resource management. SEAFDEC as a regional advisory body for the RPOA on IUU

Fishing, was represented, by Ms. Pattaratjit Kaewnuratchadasorn and Ms. Halimah Binti Mohamed (Member of Regional Fisheries Policy Network for Malaysia). ✕



SEAFDEC participated the seminar on MCS Network and SESCO and SSS in Malaysia

On-site training/workshop on the integration of fisheries management into habitat management and the management of fishing capacity

On-site training/workshop on the Integration of Fisheries Management and Habitat Management and the Management of Fishing Capacity was held at the Grand Continental Hotel in Langkawi, Malaysia from 23 to 26 November 2010. The event was held in the collaboration with the Department of Fisheries Malaysia and SEAFDEC with support by the Swedish International Development Corporation Agency (Sida), and was attended by 40 participants from local fisheries community associations (CBFM) of the Kuala Kedah State, government agencies and invited representatives



from Thailand and Indonesia. In order to increase knowledge and cooperation in the field of fisheries management, habitat management and adaptation to climate change in the sub-region of the Andaman Sea, the resource persons whose expertise are in the different aspects, from the DOF Malaysia, Marine Parks Department and Fisheries Development Authority of Malaysia were invited.

The main topics covered by the workshop include: integration of fisheries management into habitat management; fishing capacity management; and reducing illegal, unreported and unregulated (IUU)



fishing. The participants were taken to three field trips to visit Kilim Geoforest Park, CBFM Chenang which is managed by local fishers community, and an anchovy factory where demonstration on processing activities was conducted. Participants also had the opportunity to share experiences with Thailand and Indonesia in managing fish resources.



SEAFDEC Participates in the 1st CWP Inter-sessional Aquaculture Group Meeting

To support the development of aquaculture statistics by providing inputs on issues of regional concerns particularly in the harmonization of fishery statistics with international standard classifications and definitions, and to support the Member Countries on strengthening the usage of aquaculture statistics and information for management of the sub-sector, SEAFDEC Information Program Coordinator, Ms. Pouchamarn Wongsanga and Information Officer, Ms. Saivason Klinsukhon from SEAFDEC Secretariat participated in the 1st CWP Inter-sessional Aquaculture Group Meeting on 2 October 2010 in Phuket, Thailand.

The Meeting discussed the development of aquaculture statistics particularly in following up the progress in development of aquaculture component

of the existing CWP Handbook on Fishery Statistics which focused on the identification of potential data needs to support effective management and sustainable development, indicating the standard classification to be used, and advice on possible data sources and data collection procedures.

The Meeting also discussed the work plan for future activities of CWP on Aquaculture Statistics including the planned submission of the Handbook to the forthcoming FAO/COFI Meeting.

As follow-up action, SEAFDEC is planning to develop the Regional



SEAFDEC elected as the Chairperson of the CWP Inter-sessional Meeting

Standard Classification and Definition for Aquaculture Statistics to be harmonized with the new CWP Handbook, as well as developing new set of harmonized questionnaires for the compilation of aquaculture statistics of the region in collaboration with FAO.



Training program on cetacean stock assessment

TD organized the Regional Training Program on Cetacean Information Gathering and Research Methodology on Cetacean Stock Assessment from 23 to 25 November 2010 at Chachoengsao Province, Thailand.

In 2008, TD initiated a program on regional cetacean research that aimed to collect scientific information on the distribution and composition of cetacean species in Southeast Asian waters as well as to assess the interaction and the degree of the impact of cetaceans to the fishery resources and habitats. This program was then implemented under the project on “Cetacean Research in Southeast Asian Waters: Cetacean Sighting Program” with financial support from the Japanese Trust Fund.

For better understanding of the research work on cetaceans, TD primarily provided an in-house training on the cetacean research and shipboard training/survey on cetacean sighting using the M.V. SEAFDEC 2 during 21-30 November 2008 at TD.

Subsequently, TD has conducted the actual cetacean sighting program using the M.V. SEAFDEC 2 and other research vessels in collaboration with the member countries, such as M.V. DA-BFAR of the Philippines and R.V. Chulabhorn of DOF-Thailand.

In 2009, SEAFDEC/TD organized the 1st Regional Workshop on Information Gathering and Cetacean Research in the Southeast Asian Waters during 30-31 July 2009 at TD. Major recommendations from the Workshop included the need for enhancing human resources capacities in the field study by focusing on the methodology for assessment of cetacean stock size.

Thus, TD organized the Regional Training Program on Cetacean Information Gathering and Research Methodology on Cetacean Stock Assessment on 23-25 November 2010 at Chachoengsao Province, Thailand. The main objective of which was to enhance/build human resources capacities on the actual cetacean sighting and stock



Onboard sighting survey of cetaceans

assessment methodology as well as to gather updates research work related to the study on stocks of cetaceans in the region. Dr. Hideyoshi Yoshida from the National Research Institute of Far Seas Fisheries of the Fisheries Research Agency of Japan served as the resource person. There were 31 representatives from SEAFDEC Member Countries who participated in this training, which focused on experiences and lessons learned from national/regional initiatives related to cetacean research especially focus on stock assessment orientation on cetacean actual sighting survey, onboard research vessel. ❖

AQD attends forums on fish health, science & technology, and stock enhancement

AQD scientists were again in the international scene, attending three international gatherings. AQD Chief Dr. Toledo attended the 2nd International Congress on Aquatic Animal Health Management and Diseases where he presented a paper on “Asian aquaculture and AQD’s fish health R&D”. The

congress was held 26-27 October in Tehran, Iran.

AQD scientist Dr. Ma. Lourdes Aralar was invited by the Chinese Academy of Fishery Sciences to participate in the 2010 Forum on Fisheries Science and Technology held 10-13 October in Wuxi, China. She gave a presentation on the ACIAR-BFAR Rinconada lakes project: improving fish culture practices for sustainability and profitability. She likewise presented AQD’s facilities and research activities at the Freshwater Fisheries Research Center in Wuxi on 13 October and at the East China Seas Fisheries Research Institute in Shanghai on 14 October.

AQD research head Dr. Evelyn Grace de Jesus-Ayson along with AQD scientist Dr. Ma. Junemie Hazel Lebata-Ramos and AQD visiting scientists Dr. Satoshi Watanabe and Dr. Jacques Zarate attended the JIRCAS workshop on “Sustainable Stock Management and Aquaculture Technology Suitable for Southeast Asia” in Tsukuba, Japan, 7-8 December. Dr. Ayson chaired the workshop’s aquaculture session and presented a paper on AQD R&D initiatives on sandfish. Two papers on sandfish/black tiger shrimp co-culture were presented by Dr. Ramos and Dr. Watanabe, while Dr. Zarate presented his study on the relationship between nutritional condition and digestive enzymes in sandfish. These AQD studies are being funded by JIRCAS. ❖



JIRCAS Workshop on “Sustainable stock management and aquaculture technology suitable for Southeast Asia”

FUTURE ACTIVITIES

Date	Venue	Title	Organizer
2011			
18-19 January	Phuket, Thailand	BOBLME Joint Stakeholder Workshop	BOBLME
18-20 January	Bangkok, Thailand	Regional Technical Consultation on International Fisheries-related Issues (2010-2011)	Secretariat
24-28 January	Iloilo, Philippines	Training Course on Tilapia Hatchery & Grow-out	AOD
31 January-4 February	Rome, Italy	29 th Session of the FAO Committee on Fisheries (COFI)	FAO
7-9 February	Rome, Italy	3 rd Meeting of Regional Fishery Body Secretariats Network (RSN)	FAO
8-10 February	Brunei Darussalam	The 8 th Meeting of the ASEAN Experts Group on the Convention on International Trade in Endangered Species of Wild Fauna and Flora (AEG-CITES)	ASEAN
21-23 February	Bangkok, Thailand	ASEAN-SEAFDEC Consultation on Drafting the Resolution and Plan of Action on Sustainable Fisheries for Food Security in the ASEAN Region	ASEAN-SEAFDEC
24-25 February	Bangkok, Thailand	SEAFDEC Program Review Meeting for Japanese Trust Fund for 2010 and Onward	Secretariat
21 February-4 March	Iloilo, Philippines	Training Course on Freshwater Prawn Hatchery & Pond Grow-out	AOD
1 March-1 June	Iloilo, Philippines	Distance Learning Course: Basic Principle of Aquaculture Nutrition (AquaNutrition Online)	AOD
3-5 March	Myeik, Myanmar	On-site Training/Workshop on the Integration of Fisheries and Habitat Management of Fishing Capacity	SEAFDEC/Sida
7-24 March	Iloilo, Philippines	Training Course on Cage-Pond Culture of Selected Marine Species	AOD
23-24 March	Satun, Thailand	On-site Training/Workshop on the Integration of Fisheries and Habitat Management of Fishing Capacity	SEAFDEC/Sida
21-25 March	Iloilo, Philippines	Training Course on Carp Hatchery & Grow-out	AOD
29 March-19 April	Iloilo, Philippines	Training Course on Carp Hatchery & Grow-out	AOD
March (tentative)	Singapore	Inception and Planning Meeting for the Project on "Utilization of Freshwater Fish for Value-Added Products"	MFRD
4-8 April	Malacca, Malaysia	43 rd Meeting of the SEAFDEC	Secretariat
April (tentative)	Cambodia	19 th Meeting of ASEAN Sectoral Working Group on Fisheries (ASWGFi)	ASEAN
April (tentative)	Cambodia	3 rd Meeting of the ASEAN Fisheries Consultative Forum (AFCF)	ASEAN
19-21 May	Morocco	2011 International Conference on Climate Change, Agri-Food, Fisheries, and Ecosystems	NRCS-GTZ
May (tentative)	Siem Reap, Cambodia	3 rd Meeting of the Gulf of Thailand sub-region	SEAFDEC/Sida
6-10 June	Natal Brazil	World Aquaculture 2011	WAS
13-17 June	Bangkok, Thailand	ASEAN-SEAFDEC Conference on Sustainable Fisheries for Food Security Towards 2020: Adaptation to a Changing Environment	ASEAN, SEAFDEC, DOF Thailand
June (tentative)	Ranong, Thailand	On-site Training/Workshop on the Integration of Fisheries and Habitat Management and the Management of Fishing Capacity in Ranong, Thailand	SEAFDEC/Sida
June (tentative)	To be confirmed	Sub-regional Meeting between Indonesia, Malaysia and Thailand	SEAFDEC/Sida
July (tentative)	To be confirmed	Sub-regional Meeting between Myanmar and Thailand	SEAFDEC/Sida
October (tentative)	Malaysia	Second Andaman Sea Meeting	SEAFDEC/Sida

New publication on “GMP for Small and Medium-Sized Traditional Fish Products Processing Establishments in ASEAN”



MFRD published a handbook on “GMP for Small and Medium-sized Traditional Fish Products Processing Establishments in ASEAN” with support from the Japanese Trust Fund II project on Quality Assurance Systems For Small And Medium-sized Fish Processing Establishments in Asean. ASEAN member countries (except Cambodia) conducted national projects to develop GMP for their selected traditional fish products processing establishments (TPE) in 2008/2009. MFRD compiled and edited the draft GMPs into a handbook which was published in November 2010. The publication is being distributed to all ASEAN member countries for use by governments and industries to serve as guide to establish the appropriate GMPs in the relevant processing plants.



SEAFDEC at the Prep SOM – 32nd AMAF, SOM – 10th AMAF Plus Three and 32nd AMAF (Continued from page 16)

process and work plan, to provide venue for the ASEAN Member States to review the outcomes and achievements in the implementation of the Resolution and Plan of Action adopted at the ASEAN-SEAFDEC Conference in 2001 as well as discuss the outline for drafting the next decade Resolution and Plan of Action.

For the Second Meeting - the SOM – 10th AMAF Plus Three, Dr. Chumnarn highlighted on the importance of close cooperation and partnership among ASEAN Plus Three Countries to work towards long-term sustainable development of fisheries and in addressing emerging challenges confronting the fisheries sector. The Meeting also recognized the proposed conduct of the “ASEAN-SEAFDEC Conference on Sustainable Fisheries for Food Security Towards 2020” as timely and important to ensure long term sustainable development of fisheries in the region and encouraged the Plus Three Countries for their engagement in the preparatory process and the conduct of the Conference.

Finally, the 32nd AMAF Meeting, welcomed and supported the SEAFDEC initiatives in producing the ASEAN-SEAFDEC Conference Video as it updates the important issues as well as the progress and preparatory works related to the Conference, and the development of the Resolution and Plan of Action as outcome from the Ministerial Meeting.



Note for contributors

The SEAFDEC Newsletter publishes quarterly news on all aspects of fisheries in Southeast Asia. The Editors reserve the right to accept and/or abridge articles based on available space. Anyone wishing to submit an article to the SEAFDEC Newsletter is requested to send it to the Editor in Chief or Editors at the given addresses.

Information in this Newsletter may be quoted only if reference is made to SEAFDEC.

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SEAFDEC at the Prep SOM – 32nd AMAF, SOM – 10th AMAF Plus Three and 32nd

SEAFDEC led by its Secretary-General, Dr. Chumnarn Pongsri, Deputy Secretary-General, Mr. Kenji Matsumoto and other senior officials participated in the Preparatory Senior Officials Meeting of the Thirty-Second Meeting of the ASEAN Ministers on Agriculture and Forestry (Prep SOM – 32nd AMAF), the Senior Officials Meeting of the Tenth Meeting of the ASEAN Ministers on Agriculture and Forestry Plus Three (SOM – 10th AMAF Plus Three), and the Thirty-second Meeting of the ASEAN Ministers on Agriculture and Forestry (32nd AMAF) held from 20 to 23 October 2010 in Phnom Penh, Cambodia.

For the Prep SOM – 32nd AMAF, Dr. Chumnarn updated the Meeting on the ASEAN-SEAFDEC Strategic Partnership (ASSP) Program and other important initiatives of common interest to the ASEAN and SEAFDEC member countries. The Meeting noted the good progress made on the on-

going implementation of programs under the FCG/ASSP over the past years. The Meeting acknowledged the support of SEAFDEC to the ASEAN Fisheries Consultative Forum (AFCF) and recognized the relevance of the Policy Brief and the Regional Guidelines on the Promotion of “One Village, One Fisheries Product” (FOVOP) to improve the livelihood of the fisheries communities in the ASEAN Region.

On the ASEAN-SEAFDEC Conference on Sustainable Fisheries for Food Security Towards 2020 “Fish for the People 2020: Adaptation to a Changing Environment”, the Meeting appreciated the preparations made by SEAFDEC on the planned Conference. With regards



Secretary-General, Dr. Chumnarn Pongsri, Deputy Secretary-General, Mr. Kenji Matsumoto and Senior Officials at the ASEAN Meetings

to the next decade Resolution and Plan of Action as the major outcome of the Conference to be considered for adoption by the Ministers at the Conference, the Meeting suggested that SEAFDEC explore the possibility of convening a series of meetings for the preparatory

(To be continued on Page 15)

M.V. SEAFDEC serves tsunami buoy installation mission

SEAFDEC/TD collaborated with the National Disaster Warning Center, Ministry of Information and Communication Technology of Thailand for the installation of tsunami buoys in the Andaman Sea from 6 to 17 December 2010. Two tsunami buoys were installed in the Andaman Sea, the first one at about 260 kilometers or 130 nautical miles west of Surin Islands, and the second

about 248 kilometers or 124 nautical miles west of Phuket Island. These buoys are meant to determine tsunami wave, by measuring the vibration of the sea bottom and water current. The buoy system consists of two parts:



Buoy used to measure tsunami wave

1) underwater module to measure the change of water pressure; and 2) surface buoy to record and transfer the data from the module and send the signal to the control center on shore. Once installed, signal will be sent back from the buoy to the control center, where data would be entered and processed. ☒