

REPORT OF THE INTERNATIONAL TRAINING COURSE FOR
FISHERY EXTENSION OFFICERS
IN
EXTENSION METHODOLOGY AND
FISHERY RESOURCES CONSERVATION
21 October - 28 November 1997



by
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COURSE CO-ORDINATOR



SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER

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Summary of Course Report

For this year of 1997, the course title was "The International Training Course for Fishery Extension Officers in Extension Methodology and Fishery Resources Conservation" organised from 21 October to 28 November. Twenty-one participants attended from 12 member and non member countries.

The objectives of the course were to strengthen the competence and skills of the participants in planning and carrying out extension work, to refresh the participants' communication techniques and to improve their skills in the use and production of appropriate media in extension work and to provide the opportunity for participants to exercise their skills in real situations and fishing communities.

This course report consists of course background information, course curriculum, course syllabus, training program, list of lecturers, list of participants, summary of the evaluation by participants and a report from the course co-ordinator. In the summary of evaluation from participants the score of course effectiveness and the scores of lecturers' presentations are presented.

The crucial part of this report is the suggestions from participants to improve the effectiveness of these courses which are concerned with these two areas;

a) Course content;

- The theoretical aspect should be shortened and should give more time for the communication sessions.
- Subjects which are not related to the course title should be discontinued such as Bio-economics & an effective investment in coastal fisheries management and fishery law.
- Different certificates (certificate of attendance and certificate of achievement) should be awarded to participants according to their performance and achievement in the course.

b) Course management and living conditions;

- To avoid the problem of food restrictions, more choices of food should be served at the canteen. Cooks should be trained to provide various ~~some~~ kinds of dishes from different countries.
- Guidance for participants who have to come to TD on their own should be included before hand.



All the suggestions from the participants are crucial points which should be discussed for the improvement of the course effectiveness. Especially the third point concerning course content. As the course co-ordinator, I do agree that SEAFDEC/TD should assess the achievement and performance of each participant and present different certificates to those who have successfully completed the course (certificate of achievement) and those who have just attended without fully gaining from the course (certificate of attendance). SEAFDEC/TD may have difficulty in selecting participants/trainees for each course, but the standard of our training should be maintained. Not only the assessment of our participants, but evaluation of our training course, which includes course management, course content, lecturers and their methodologies, training program and living condition for participants, are also needed.

COURSE REPORT OF THE INTERNATIONAL TRAINING COURSE FOR FISHERY EXTENSION OFFICERS IN EXTENSION METHODOLOGY AND FISHERY RESOURCES CONSERVATION

1. Background

The primary aim of fisheries extension is to assist groups of small-scale fisherfolk. One way of doing this is to strengthen the extension service systems which are designed to transfer technology to the fishermen, and to raise their socio-economic status and living conditions. It is evident that at present, most extension service systems are inadequate and need to be improved.

In order to upgrade these regional systems, several problems must be overcome. One problem is that officers employed for this task lack the skills to communicate, disseminate and demonstrate the necessary information. This situation would be improved if training on communication and dissemination techniques, and extension methodology were given.

The Training Department of the Southeast Asian Fisheries Development Center has conducted regional training programs for fishery extension officers since 1981. The Training Programs have so far produced some 400 trained personnel, efficient in fishery extension methodology from twelve different countries in South, Southeast Asia and Africa.

For this year of 1997, TD organized an international training course for fishery extension officers from 21 October to 29 November 1997 with particular emphasis on extension methodology and fishery resources conservation. The importance of the extension services underline the need for creating awareness in the fisherfolk to conserve and improve their fishery resources. The fishing communities or the grassroots organizations should play an important role in taking care of their fishery resources. The training course aimed to teach participants the skills necessary to organize and manage grassroots organizations which will then be capable of carrying out marine fishery extension programs and tackling fishermen's problems from the bottom up.

Invitation for the nomination of participants were sent to Twelve Countries namely; Bangladesh, Brunei, Cambodia, India, Laos, Malaysia, Myanmar, Pakistan, the Philippines, Singapore, Sri Lanka, Thailand and Vietnam. Twelve Countries responded, the eventual number of participants being as follows:

Bangladesh	1	Cambodia	1
India	1	Indonesia	3
Laos	1	Malaysia	2



Myanmar	1	Pakistan	1
Philippines	3	Sri Lanka	1
Thailand	3	Vietnam	3
Total 21 participants			

2. Course Curriculum

Course Title : The International Training Course for Fisheries Extension Officers in Extension Methodology and Fishery Resources Conservation, 1997

Duration : 21 October-28 November, 1997 (39 days)

Course Description :

The importance of the extension services underline the need for creating awareness in the fisherfolk to conserve and improve their fishery resources. The fishing communities or the grassroots organisations should play an important role in taking care of their fishery resources.

Therefore, this six-week training program highlights the extension in marine fisheries and fishery resource conservation in particular, which is now a global concern. The program is generally aimed to refresh and re-organise the existing experience of the participants as well as to introduce new techniques in the area of extension. The main subjects are fisheries extension and communication & media production. Other related subjects which supplement the core subjects are marine fisheries particularly small-scale fisheries, responsible fishing, etc.

The program consists of lectures, practice, and field research and study trips organised in such a way as to be the most beneficial to the participants.

Course Objectives:

The objectives of this training course are:

1. To strengthen the competence and skills of participants in planning and carrying out extension work, by focusing and enabling promulgation of a grassroots organization and the participation of fisherfolk.
2. To refresh the participants' communication techniques and improve their skills in the use and production of appropriate media in extension.
3. To provide the opportunity for trainees to put their skills to the test in real situations in fishing communities.



Course Content :

Content	Time (Days)	
<i>I. Marine Fishery Resources Conservation</i>		6
1. Marine Fisheries and Fishery Resources Conservation	0.5	
2. Principles of Marine Resource Conservation and Management	0.5	
3. Effect of Environmental Pollution on Coastal Resources	0.5	
4. Responsible Fishing	1.0	
4.1 The Concept and the Code of Conduct	1.0	
4.2 Case Study on the Implementation of Turtle Excluder Devices in Southeast Asia	0.5	
5. Fishery Bio-economics & An effective Investment in Coastal Fisheries Management	1.0	
6. Fishery Law and Coastal Resources Conservation		
7. Small-scale Fisheries		
7.1 Present Situation, Problems and Constraints	1.0	
7.2 Development Programs & New approaches for Coastal Fishery Management		
8. Case Study on the Roles of Fisher-Organisations in Fishery Resources Conservation		
<i>II. Extension</i>		10.5
1. Fishery Extension	1.0	
2. Characteristics of Extension Agents	1.0	
3. Extension Program Planning	2.0	
4. Active Research for Extension work		
4.1 An introduction and Research Processes	1.0	
4.2 Preparation and Research Practice	4.5	
4.3 Conclusions and Reporting	1.0	
<i>III. Communication and Media Production</i>		8.0
1. Communication	0.5	
2. Communication Media Planning & Scripting	1.0	
3. Techniques and Production of Simple Media for Extension Work	2.0	
4. Production of Audio-visual Media and Media Development	4.0	
5. Presentation Techniques	0.5	
<i>IV. Study Trips</i>		3.0
1. A Fish Marketing Organisation	0.5	
2. The Fisheries Extension Division, DOF	0.5	
3. The Sukhothai Thammathirat Open University	0.5	
4. Television Station No. 7	0.5	
5. The Maekong Fisheries Co-operatives	1.0	
<i>V. Excursions</i>		4.0
<i>VI. Others</i>		7.5
Total		39

Note : 1 day period is equivalent to 6 training hours.



3. Course Syllabus:

Session I : An introduction (6 days/36 hrs.)

Objectives : To provide the participants with an overview of marine fisheries particularly on small-scale fisheries and fishery resource conservation at both macro and micro levels.

1. Marine Fisheries and Fishery Resources Conservation (3 hrs.)

Resource Person : Mr. Udom Bhatiyasevi

Outline : An Overview of the present situation in marine fisheries and marine fishery resources. The Policies of fishery resource conservation in Southeast Asia.

2. The Principles of Marine Resources Conservation and Management (3 hrs.)

Resource Person : Dr. Cheurdsak Veeraphat

Outline : An introduction to the problems of marine resources decline : cause and impact. The theoretical principles of marine resource conservation and management.

3. The Effect of Environmental Pollution on Coastal Resources (3 hrs.)

Resource Person : Dr. Suraphon Sudara

Outline : An introduction to coastal ecology systems in marine fishery. The Impact of environmental pollution on coastal resources. The policy and management related to the coastal environment aspect.

4. Responsible Fishing (6 hrs.)

4.1 The Concept and the Code of Conduct (3 hrs.)

Resource Person : Dr. Yasuhisa Kato

Outline : An introduction to the concept and development processes of responsible fishing. The Objectives and scope of the Code of Conduct. An introduction to the Technical Guidelines.



4.2 Case Study on the Implementation of Turtle Excluder Devices in Southeast Asia (3 hrs.)

Resource Person : Mr. Bundit Chokesanguan

Outline : An introduction to fishing gear interrelated to marine resources conservation. The Concept of Selective fishing gear. TEDs; types and Implementation in Southeast Asia.

5. **Fishery Bio-economics & An effective Investment in Coastal Fisheries Management (6 hrs.)**

Resource Person : Dr. Ruengrai Tokrisna

Outline : An introduction to fishery bio-economics related to coastal fisheries management. Sustainable yield. Management measurement. Coastal zone management.

6. **Small-scale Fisheries (6 hrs.)**

Resource Person : Dr. Kungwan Jantarashote

6.1 The Present Situation and Problems (3 hrs.)

Outline : The development process, present situation and the problems and constraints of Small-scale Fisheries.

6.2 Development Programs and New Approaches to Coastal Fishery Management (3 hrs.)

Outline : An introduction to the development processes of Small-scale fisheries' development programs. An introduction to new approaches in Coastal Fishery Management such as Community-based Development and Integrated Coastal Zone Development etc.

7. **Fishery Law and Coastal Resources Conservation (3 hrs.)**

Resource Person : Ms. Pongthong Onoora

Outline : The Background and evolution of the Law of the Sea. The Concept of the Exclusive Economic Zones. Implementation of fishery law to fishing and coastal resource conservation. Responsibilities of coastal states in their own waters.

8. Case Study on Roles of Fisher-organisations in Fishery Resources Conservation (6 hrs.)

Resource Person : Mr. Pisit Charnsanoh

Outline : An introduction to the roles of fisher-organisations in coastal fishery management. The roles of extension agents in mobilising Fisher-organisations. Types of fisher-organisations and case studies of fisher-organisations in coastal fisheries management.

Session II : Fisheries Extension (10.5 days/63 hrs.)

- Objectives :**
1. To refresh the participants' knowledge and skills in Extension Methodology, Program Planning and Active Research.
 2. To strengthen the competence of participants in planning and carrying out extension work.
 3. To create awareness of participants in the importance of participation of fisher-organisations in Coastal Fishery Management.

1. Fishery Extension (6 hrs.)

Resource Person : Mr. Kanit Naksung

Outline : An introduction to the development process of extension approaches, the extension concept and extension methodologies; individual, group and mass methods.

2. Characteristics of Extension Agents (6 hrs.)

Resource Persons : Messrs. Supaporn Anuchiracheeva and Suriyan Vichitlekarn

Outline : An introduction to the roles of extension agents and the importance of community awareness. Group dynamic approach and group process in extension work.

3. Extension Program Planning (12 hrs.)

Resource Person : Dr. Savitree Rangsihaht, Dr. Supaporn Thaipakdee



Outline : An introduction to the importance of extension program planning. Extension program planning process and assignment.

4. Active Research for Extension Work (39 hrs.)

Resource Persons : Messrs. Supaporn Anuchiracheeva and Suriyan Vichitlekarn

Outline : An introduction to the goals and processes of active research. Field work practice. Conclusions and reporting of active research.

Session III : Communication and Media Production (8 days/48 hrs.)

Objectives :

1. To refresh the participants' communication techniques;
2. To introduce new techniques in media production, and
3. To Improve their skills in the use and production of appropriate media in extension.

1. Communication (3 hrs.)

Resource Persons : Messrs. Somnuk Pornpatimakorn and Supaporn Anuchiracheeva

Outline : An introduction to factors and processes in communication. Roles of media in communication. Types of communication and media in extension work. Advantages and disadvantages of each media.

2. Communication Media Planning (6 hrs.)

Resource Persons: Messrs. Somnuk Pornpatimakorn, Thaweesak Chanloi, Supaporn Anuchiracheeva, Mekkara Phanchuen and Suriyan Vichitlekarn

Outline : An introduction to planning processes of communication media. Planning samples of overhead projector & transparencies, flipchart, poster, sound-slide series, and video productions.

3. Techniques and Production of Simple Media for Extension Work (9 hrs.)

Resource Persons: Messrs. Somnuk Pornpatimakorn, Supaporn Anuchiracheeva and Suriyan Vichitlekarn

Outline : An introduction to production techniques of simple media for extension work; production of overhead transparencies, flip-chart, and poster. Assignments.

4. Production of Audio-visual Media (27 hrs.)

Resource Persons : Messrs. Somnuk Pornpatimakorn, Thaweesak Chanloi, Supaporn Anuchiracheeva and Mekkara Phanchuen

Outline : An introduction to the production process of video/sound-slide series. Scripting production techniques and equipment. Assignments.

5. Presentation Techniques (3 hrs.)

Resource Person : Mr. Suriyan Vichitlekarn

Outline : An introduction to basic psychology in presentation. Presentation planning & evaluation. Roles of presenters.

Session IV : Study Trips (3.0 days/18 hrs.)

Objectives : To expose participants to the operation and practices of organisations and Institutes related to fisheries and extension

1. Fish Marketing Organisation (3 hrs.)

Outline : An introduction to organisation of FMO. Responsibilities and operations. Services at Bangkok Fishing Port. Observation around the fishing port.

2. Fisheries Extension Division, Department of Fisheries (3 hrs.)

Outline : An introduction to Organisation of Department of Fisheries. Fisheries extension organisation in Thailand. Fisheries extension programs. Problems and constraints in Thai fisheries extension.

3. Sukhothai Thammathirat Open University (3 hrs.)

Outline : An introduction to Sukhothai Thammathirat Open University. Observation at Media Production Center, Computer Aids Instruction Center, and Publishing House.

4. Television Station No. 7 (3 hrs.)

Outline : An introduction to Television Station No. 7. Observation at information Center, television programming and studios, and news programming.

5. Maeklong Fisheries Co-operatives (6 hrs.)

Outline : An introduction to Maeklong Fisheries Co-operatives. Strategies and services of the co-operatives. Observation around the co-operatives and vicinity.



4. Training Program :

Date	Time	Activities/Subjects
21 October, 1997 (Tue.)	0900-1000 hr. 1030-1200 hr. 1330-1630 hr.	An introduction to SEAFDEC <i>(Ms. Supaporn Anuchiracheeva)</i> Opening Ceremony <i>(Messrs. Udom Bhatiyasevi and Somnuk Pornpatimakorn)</i> Course Orientation and Observation of SEAFDEC/TD' s Facilities <i>(Messrs. Somnuk Pornpatimakorn, Suriyan Vichitlekarn and Supaporn Anuchiracheeva)</i>
22 October, 1997 (Wed.)	0900-1200 hr. 1330-1630 hr.	Getting to Know You and International Understanding <i>(Messrs. Supaporn Anuchiracheeva and Suriyan Vichitlekarn)</i> Marine Fisheries and Resources Conservation <i>(Mr Udom Bhatiyasevi)</i>
23 October, 1997 (Thu.)	0900-1030 hr. 1230-1500 hr.	Excursion to Grand Palace and Emerald Buddha Temple Shopping and Lunch at Mah Boon Krong Center <i>(Mr. Suriyan Vichitlekarn)</i>
24 October, 1997 (Fri.)	0900-1200 hr. 1330-1630 hr.	Small-scale Fisheries I : Present Situation, Problems and Constraints <i>(Dr. Kangwan Jantarachote)</i> Small-scale Fisheries II : Development Programs and New Approaches in Coastal Fishery Management <i>(Dr. Kangwan Jantarachote)</i>
25 October, 1997 (Sat.)	1000-1300 hr. 1400-1800 hr.	Excursion to Crocodile Farm Shopping and Dinner at Seacon Square <i>(Miss Supaporn Anuchiracheeva)</i>

26 October, 1997 (Sun.)		Free
27 October, 1997 (Mon.)	0900-1630 hr.	Fishery Bio-economic & An Effective Investment in Coastal Fisheries Management (<i>Dr. Ruengrai Tokrisna</i>)
28 October, 1997 (Tue.)	0900-1200 hr.	Principles of Marine Resources Conservation and Management (<i>Dr. Cheurdsak Veeraphat</i>)
	1330-1630 hr.	Effect of Environmental Pollution on Coastal Resources (<i>Dr. Suraphon Sudara</i>)
29 October, 1997 (Wed.)	0900-1200 hr.	Fisheries Extension I : Concept & Development of Extension Approaches (<i>Mr. Kanit Naksung</i>)
	1330-1630 hr.	Fisheries Extension II : Extension Methodologies (<i>Mr. Kanit Naksung</i>)
30 October, 1997 (Thu.)	0900-1630 hr.	Characteristics of Extension Agents (<i>Messrs. Supaporn Anuchiracheeva and Suriyan Vichitlekarn</i>)
31 October, 1997 (Fri.)	0900-1630 hr.	Extension Program Planning I: Extension Program Planning Process (<i>Dr. Savitree Rangsiphat and Dr. Supaporn Thaipakdee</i>)
1 November, 1997 (Sat.)	1000-1400 hr.	Shopping at the Weekend Market
	1430-1630hr.	Shopping at Central Plaza (<i>Ms. Supaporn Anuchiracheeva</i>)
2 November, 1997 (Sun.)		Free
3 November, 1997 (Mon.)	0900-1200 hr.	Fishery Law & Coastal Resources Conservation (<i>Ms. Pounghong Onoora</i>)

3 November, 1997 (Mon.)	1330-1630 hr.	Active Research for Extension Work: An introduction and Research Process I (Messrs. Suriyan Vichitlekarn and Supaporn Anuchiracheeva)
4 November, 1997 (Tue.)	0900-1200 hr.	Active Research for Extension Work : Research Process II (Messrs. Supaporn Anuchiracheeva and Suriyan Vichitlekarn)
	1330-1630 hr.	Active Research for Extension Work : Field Work Preparation (Messrs. Supaporn Anuchiracheeva and Suriyan Vichitlekarn)
5 November, 1997 (Wed.)	0900-1630	Active Research for Extension Work : Field Work Practice (Messrs. Supaporn Anuchiracheeva and Suriyan Vichitlekarn)
6 November, 1997 (Thu.)		---- ditto ----
7 November, 1997 (Fri.)		---- ditto ----
8 November, 1997 (Sat.)		---- ditto ----
9 November, 1997 (Sun.)		Free
10 November, 1997 (Mon.)	0900-1630 hr.	Active Research for Extension Work : Conclusion and Reporting of the Field Work (Messrs. Supaporn Anuchiracheeva and Suriyan Vichitlekarn)
11 November, 1997 (Tue.)	0900-1630 hr.	Extension Program Planning II : Planning Practice (Dr. Savitree Rangsiphath and Dr. Supaporn Thaipakdee)
12 November, 1997 (Wed.)	0900-1200 hr.	Responsible Fishing I: Concept and the Code of Conduct (Dr. Yasuhisa Kato)

12 November, 1997 (Wed.)	1330-1630 hr.	Responsible Fishing II: Case Study on Implementation of Turtle Excluder Devices in Southeast Asia (Mr. Bundit Chokesanguan)
13 November, 1997 (Thu.)	0900-1630 hr.	Case Study on Roles of Fisher-Organisations in Fishery Resources Conservation (Mr. Pisit Charnsanoh)
14 November, 1997 (Fri.)	0900-1200 hr. 1330-1630 hr.	Communication (Messrs. Somnuk Pornpatimakorn and Supaporn Anuchiracheeva) Presentation Techniques (Mr. Suriyan Vichitlekarn)
15 November, 1997 (Sat.)	1000-1630 hr.	Excursion to Bangkok (Ms. Supaporn Anuchiracheeva)
16 November, 1997 (Sun.)		Free
17 November, 1997 (Mon.)	0900-1200 hr. 1330-1630 hr.	Communication Media Planning I: Planning Process (Messrs. Somnuk Pornpatimakorn and Supaporn Anuchiracheeva) Communication Media Planning II : Samples of Planning (Messrs. Somnuk Pornpatimakorn, Thaweesak Chanloi, Supaporn Anuchiracheeva, Mokka Phanchuen, and Suriyan Vichitlekarn)
18 November, 1997 (Tue.)	0900-1200 hr. 1330-1700 hr.	Production of Audio-visual Media I : Scripting (Ms. Supaporn Anuchiracheeva) Production of Simple Media for Extension Work I (Media Training Staff)
19 November, 1997 (Wed.)	0900-1700 hr.	Production of Simple Media for Extension Work II (Media Training Staff)

20 November, 1997 (Thu.)	0900-1700 hr.	Production of Audio-visual Media II : Production Techniques (Messrs. Somnuk Pornpatimakorn Thaweesak Chanloi and Mekkara Phanchuen)
21 November, 1997 (Fri.)	0800-1000 hr. 1300-1500 hr.	Visit Fish Marketing Organisation (Miss Supaporn Anuchiracheeva) Visit Fisheries Extension Division (Miss Supaporn Anuchiracheeva)
22 November, 1997 (Sat.)	0900-1700 hr.	Media Development I (Media Training Staff)
23 November, 1997 (Sun.)		Free
24 November, 1997 (Mon.)	0900-1130 hr. 1330-1600 hr.	Visit National Television Station No.7 Visit Sukhothai Thammatirat Open University (Messrs. Thaweesak Chanloi and Mekkara Phanchuen)
25 November, 1997 (Tue.)	0900-1530 hr.	Visit Maeklong Fisheries Co-operatives, Samutsakorn Province (Mr. Suriyan Vichitlekarn)
26 November, 1997 (Wed.)	0900-1700 hr.	Media Development II (Media Training Staff)
27 November, 1997 (Thu.)	0900-1630 hr.	Media Presentation and Evaluation (Media Training Staff)
28 November, 1997 (Fri.)	0900-1200 hr. 1700-2100 hr.	Course Evaluation (Messrs. Somnuk Pornpatimakorn, Supaporn Anuchiracheeva, Thaweesak Chanloi, and Suriyan Vichitlekarn) Closing Ceremony (Messrs. Udom Bhatiyasevi and Somnuk Pornpatimakorn)

5. List of Guest Instructors

Name	Address	Subject
1. Dr. Kungwan Juntarashote (Senior Instructor)	Fisheries Management Department, Faculty of Fisheries, KU. Kasetsart Campus, Chatujak, Bangkok, 10900: Tel: 5611947 Fax: 5797642	Small-scale Fishery Development and New Approach of fishery Management
2. Dr. Ruengrai Tokrisna, (Senior Instructor)	Faculty of Economic, KU. Kasetsart Campus, Chatujak, Bangkok, 10900: Tel: 5613467 ext. 126, Fax: 5613467 ext. 102	Fishery Bio-economic & An effective investment in coastal fisheries Management.
3. Dr. Savitree Rangsihaht (Assistant Professor)	Faculty of Agriculture, KU. Kasetsart Campus, Chatujak, Bangkok, 10900: Tel: 5613477, 5791025	Extension Methodology & Extension Program Planning
4. Dr. Supaporn Thaipakdee (Senior Instructor)		
5. Mrs. Pongthong Onoora (Legal Officer)	International Law and Treaty Sub-division, Fisheries Foreign Affairs Division, Department of Fisheries, Kasetsart University Campus, Chatuchak, Bangkok 10900 Tel: 5794529 direct line 5620600-15 ext. 3103 Fax: 5794529	Fishery Law & Coastal Resources Conservation
6. Dr. Cheurdsak Veeraphat (Senior Fishery Officer)	Fisheries Engineering Division, Department of Fisheries, Kasetsart University Campus, Chatuchak Bangkok 10900 Tel: 5798567, 5795594	Principle of Resources Conservation and Management
7. Dr. Surapol Sudara (Marine Science Department Head)	Faculty of Science, Chulalongkorn University, Tel: 2185390 direct line 2185394-5 Fax: 2511951, 2550780	Effect of Environmental Pollution on Coastal Resources
8. Mr. Kanit Naksung (Senior Fishery Officer)	Training Division, Department of Fisheries, Kasetsart University Campus, Chatuchak Bangkok 10900 Tel: 5614688 Fax: 5260567	Fisheries Extension I : Concept & Development of Extension Approaches Fisheries Extension II : Extension Methodologies
9. Mr. Pisit Charmsanore (Director of Yardfon Association)	Yardfon Association, 16/8 Rucchan Road, Tubteang, Amphure Muang Trung 92000 Tel: (075) 219737, 214707 Fax: (075) 219327	Case Study on Roles of Fisher-Organisations in Fishery Resources Conservation

6. List of SEAFDEC's Instructors

Name	Position
1. Mr. Udom Bhatiyasevi	SEAFDEC Secretary General & Training Department Chief
2. Dr. Yasuhisa Kato	Special Advisor on Collaborative Programs
3. Mr. Bundit Chokesanguan	Administrative Division Head Head of Office of the Training Department Chief
4. Mr. Somnuk Pornpatimakorn	Information and Extension Division Head
5. Mr. Taweesak Chanloi	Audio-visual Section Head
6. Mr. Mekkara Phanchuen	Audio-visual Officer
7. Ms. Supaporn Anuchiracheeva	Extension Officer
8. Mr. Suriyan Vichitlekarn	Development Officer

7. List of Participants

BANGLADESH

1. **Mr. Md. Shahid Ullah Miah**
Thana Fishery Officer
Thana Mirzapur, Tangail
Bangladesh

CAMBODIA

1. **Mr. Mith Soksopheak**
Fishery Officer
Fishery Department, No. 186 Norodom Blvd.
P.O. Box 582, Phnom Penh,
Cambodia

INDIA

1. **Mr. Sukumar Saha**
Training Associate
Central Inland Capture Fisheries Research
Institute,
Barrackpore, Via Calcutta, Pin-743101,
India

INDONESIA

1. **Mr. Donny Gatol Trenggono**
Head of Environmental Control Section,
Fisheries Development Product
Fisheries Services, Province of Riau, Jl.
Patimura 6, Pekanbaru-Riau
Indonesia
2. **Mr. Ahmad Wahyu Zakaria**
Provincial Government of South Kalimantan,
Jl. Jenderal Sudirman No. 9 Banjarbaru,
South Kalimantan, Indonesia
3. **Ms. Suhartika Idawati**
Staff of Directorate General of Fisheries
Directorate General of Fisheries, Ministry of
Agriculture
Jl. Harsono RM No. 3 Ragunan Pasar,
Minggu-Jakarta 12550, P.O. Box 1797/JKS
Indonesia

LAOS

1. Mr. Soulath Onchanthivong

Fishery Extension Officer

Division of Fisheries,
Ministry of Agriculture and Forestry,
Department of Livestock and Fisheries,
P.O. Box 811, Vientiane,
Laos

MALAYSIA

1. Mr. Syed Aziz Syed Akhir

Assistant Fisheries Officer

Pejabat Perikanan, Daerah Kuala Terengganu,
Jalan Hiliran, Pulau Koming, 21030 Kuala
Terengganu
Terengganu, Malaysia

2 Mr. Md. Foozi Romli

Fisheries Assistant

Jabatan Perikanan Johor, Wisma Persekutuan,
Johor Bahru, 80628 Johor Bahru,
Malaysia

MYANMAR

1. Mr. U Myint Sann

Deputy State Officer Department of Fisheries

Department of Fisheries, Sinmin Road,
Ahlone Township, Yangon, Myanmar

PHILIPPINES

1. Mr. Medardo L. Jamiro, Jr.

Aquaculturist II

Department of Agriculture, 12 Fisheries
Division
Bonifacio Street, Cotabato City, 9600
Philippines

2. Mr. Raymundo C. Cawaling

Aquaculturist II

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Capitol Site, Kalibo, Aklan 5600,
Philippines

3. Mr. Oscar G. Nalzar

Instructor III & Head, Extension Division

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Puerto Princess City
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Philippines

PAKISTAN

1. Mr. Mohammad Abdul Ghafoor Shah

Biochemist

Marine Fisheries Department, Fish Harbour,
West Wharf, Karachi-2,
Pakistan

SRI LANKA

1. Mr. V.G.J. Shelton

Fishery Inspector

Department of Fisheries and Aquatic
Resources
Colombo 10
Sri Lanka

THAILAND

1. Mr. Somjate Orak

Fishery Biologist

Eastern Marine Fisheries Development Center,
Ban-Phe, Muang District
Rayong Province 21160
Thailand

2. Mr. Suchart Rattanaaruangsi

Fishery Officer

Southern Marine Fisheries Development
Center
79/1 Wichianchom Road,
Muang District, Songkhla Province 90000,
Thailand

3. Mr. Anggool Rattanaprom

Fishery Officer

Chumporn Marine Fisheries, Patrol Office
(Region 3), Moo 8
Tumbol Paknum, Muang District,
Chumporn Province 86120
Thailand



VIETNAM

1. **Mr. Hoang Hoa Hong**
*Dean the Marine Exploitation and
Navigation Department*
Fisheries University
02 Nguyen Qinh Chieu St.,
Nha Trang City, Vietnam

2. **Mr. Nguyen Lot**
*Director of Binh Thuan Fishery Extension
Center*
Binh Thuan Fishery Extension Center
512 B. Thu Khoa Huan St.
Phan Thiet Town, Binh Thuan Province
Vietnam

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Summary of Course Evaluation

Introduction

The course evaluation of "The International Training Course for Fishery Extension Officers on Extension Methodology and Fishery Resources Conservation; 21 October - 28 November 1997", was carried out on the 28 November 1997. Two strategies were applied, namely; a questionnaire for individual evaluation and a plenary discussion for an overall group evaluation.

The following summarises the individual evaluations from the questionnaires and plenary group discussion.

Evaluation Questionnaires

The evaluation questionnaires was composed of six sections, namely; Personal Information, Course Duration, Course Content, Training Methods & Training Equipment and Facilities, Living Condition and Others. Prior to this evaluation questionnaire, Resource person evaluation forms for each subject were given to the participants. At the end of this part, course effectiveness calculation was illustrated.

Section 1: Personal Information

1. SEAFDEC Country-membership : there were 21 participants in this course; 11 from member countries (Malaysia-2, Philippines-3, Vietnam-3, and Thailand-3), and 10 from non-member countries (Bangladesh-1, Cambodia-1, India-1, Indonesia-3, Laos-1, Myanmar-1, Pakistan-1, and Sri Lanka-1)
2. Motivations or reasons for participation in this training course
 - 20 To improve my knowledge and skills for my job.
 - 4 I was sent by my employer.
 - 3 The possibility for international travelling
 - 1 To gather relevant information which could be duplicated in my country.
3. The three most important areas of knowledge and skills expected by the participants, to improve/obtain by attending this course are:
 - 14 Communication and Media production
 - 9 Production of simple media for extension work
 - 5 Production of audio-visual media
 - 10 Fishery extension methodology
 - 9 Marine fishery and fishery resource conservation
 - 8 Communication and presentation techniques



- 7 Program planning and active research
- 1 Effect of environmental pollution on coastal resources
- 1 Fishing boats
- 1 Fishing gear
- 1 Fish processing, and
- 1 Coastal resources management

4. Fulfilment of the expectations of participants, regarding the areas of knowledge and skills they expected to obtain.

- 14 Expectation fulfilled
- 7 Expectations were partly fulfilled because
- 5 Not enough time for audio-visual media production
- 1 Need more time for study tours
- 0 Expectation not fulfilled

Average score = 8.33

Section 2: Course Duration

5. Appropriateness of six-week training duration

- 15 Appropriate
- 6 Inappropriate, the appropriate duration should be
- 3 Eight weeks
- 2 Four weeks
- 1 Seven weeks

6. Appropriateness of the training period (October-November) for the participants' home office to participate in this kind of training course

- 20 Appropriate
- 1 Inappropriate; the appropriate period should be in June-July

Section 3: Course Content

7. Appropriateness of the course content

	Amount of content	Applicability	Average
1. Marine Fisheries and Fishery Resources Conservation	7.66	7.66	7.66
2. Principle of Marine Resource Conservation and Management	7.25	6.90	7.08



	Amount of content	Applicability	Average
3. Effect of Environmental Pollution on Coastal Resources	8.15	7.95	8.35
4. Responsible Fishing	7.10	6.90	7.00
5. Fishery Bio-economic & An effective Investment in Coastal Fisheries Management	6.45	6.10	6.28
6. Fishery Law and Coastal Resources Conservation	5.90	5.65	5.78
7. Small-scale Fisheries	7.85	7.55	7.70
8. Case Study on Roles of Fisher-Organizations in Fishery Resources Conservation	7.05	6.80	6.92
9. Fishery Extension	7.36	6.60	6.98
10. Characteristics of Extension Agents	8.40	8.40	8.40
11. Extension Program Planning	7.70	7.60	7.65
12. Active Research for Extension Work	8.45	8.25	8.35
13. Communication and Media Planning	8.45	8.45	8.45
14. Technique & Production of Simple media for Extension Work	8.75	8.55	8.65
15. Production of Audio-visual Media and Media Development	7.95	7.75	7.85
16. Presentation Techniques	8.40	8.15	8.28
17. Basic Computer	7.60	7.80	7.70
18. Basic Knowledge of Photograph Taking	<u>7.80</u>	<u>7.65</u>	<u>7.72</u>
	7.68	7.48	7.58
8. Subjects to be omitted			
19 none			
2 yes; they are			
2 Fishery bio-economic and an effective investment in coastal fishery management			
2 Fishery law			
1 Coastal resources conservation			
1 Concept and the code of conduct			
1 Responsible fishing			
9. Subjects to be added to this course			
2 Thai language			
1 Aquaculture			
2 Basic information of coastal ecosystems			
1 Community organization			
1 Research techniques; survey sampling, data management, etc.			
1 Leaflet making			
1 Exhibition			
1 Computer graphic presentation			

10. Please rank the place visited with respect to insight gained

- 7.76 Maeklong Fishery Cooperatives
- 6.86 Television Station Channel 7
- 6.56 Fish Marketing Organization
- 5.12 Sukhothai Thammatirat Open University
- 3.69 Fisheries Extension Division

11. Visited places to be added or omitted

- 8 None
- 8 Yes; to be added with
- 3 Fish processing plants
- 3 Fishing port
- 2 Safari world
- 1 Shrimp farm
- 1 Shipboard observation

12. Usefulness of the survey practice

- 14 Useful
- 6 Partly because
- 1 Language barrier
- 1 The result is not realistic and not beneficial to the local community
- 0 Not useful

Average score = 8.5

13. Comment on the total content of the course

- 17 Satisfactory
- 3 To be improved by:
 - 1 Giving more time for audio-visual practice
 - 1 Improving course content
 - 1 Improving lecturers' skills
 - 1 Time scheduling
 - 1 Evaluation of participants' performance
 - 1 A grouping system
 - 1 There should be individual reports

Section 4. Training Methods & Training Equipment and Facilities

14. Please rate training methods used in the course

	appropriate	inappropriate	
		too few	too many
14.1 Lectures	19		2
14.2 Practices	15	5	1
14.3 Survey	13	7	1
14.4 Study tours	15	4	2



15. Sufficiency of the training methods

- 19 Sufficient
- 2 Not sufficient; other methods needed are
- 1 Change group members too many times

16. Sufficiency of the training equipment and facilities

- 21 Sufficient
- 0 Not sufficient

Average score (item 15 & 16) = 9.52

17. Other training activities to be added into the course are

- 5 Sport activities
- 1 More field visits
- 1 Visits to aquaculture farming systems
- 1 Actual video coverage
- 1 On-board a fishing boat

18. The relationship

- 18.1 Between instructors, resource persons and participants **8.63**
- 18.2 Between other supporting staff and the participants **8.58**
- average **8.60**

Section 5. Living Condition

19. Service quality at the dormitory

- 19.1 Bed room **8.67**
- 19.2 Food **7.19**
- 19.3 Recreational Equipment **6.88**
- 19.4 Showers/toilets **8.14**
- average score = 7.72**

19.5 Other comments

- Cleaning (2) 9.0
- Transportation (1) 9.0
- Equipment room (1) 8.0
- Washing room (2) 7.0
- TV rooms (1) 6.0
- Telephone (4) 4.0
- Uniform (1) 1.0

20. From the participants, the first priority to improve the dormitory are

- 6 Food services
- 1 Bath rooms
- 1 Recreational equipment
- 1 Decoration of the dormitory
- 1 English speaking competence of dormitory staff
- 1 International telephone

Section 6. Others

21. To the participants' opinion, the training course was designed for:

- 18 Someone with experience
- 4 Someone with less experience than they have
- 0 Someone with more experience than they have

22. Strengths and weaknesses of this course considered by the participants

Strengths

- 2 Training staff and equipment
- 1 Course content
- 1 Qualified lecturers
- 1 Higher knowledge in fishery resources conservation

Weaknesses

- 2 Random sampling should be applied in research methodology
- 1 Less time given to practice
- 1 Some lectures are boring
- 1 Too many assignments
- 1 Communication and attitudes of participants

23. Suggestions for overall course improvement

- 1 Give more time for audio-visual production.
- 1 Good to have diary presentation.
- 1 Give more time for extension program planning.
- 1 The training duration should be longer.
- 1 Selection of participants should be improved to get better qualified trainees.
- 1 Should have examination for a proper certificate.
- 1 Allowance should be increased from 250 Baht to 400 Baht.
- 1 Research methodology should be done more in villages.
- 1 Should have a course on fish inspection.
- 1 More practices and more group work are recommended.
- 1 Give the seats of Brunei and Singapore to other countries who are interested in the course

Section 7. Resource Persons

24. Summary of the evaluation on resource persons of each subjects are illustrated on the attached sheet

Course Effectiveness

Considering

Section 1/4	: Fulfillment of expectation (A)	=	8.33
Section 3/4	: Course content (B)	=	7.58
Section 5/12	: Benefit from survey practice (C)	=	8.50
Section 4/15-16	: Sufficiency/appropriateness of training equipment, facilities and sites (D)	=	9.52
Section 4/18	: Relationship between the participants and staff (E)	=	8.60
Section 5/19	: Living conditions (F)	=	7.72
Section 7/24	: Resource persons (G)	=	7.87

The course effectiveness is $= (A + B + C + D + E + F + G)/7 = 8.26$ or
82.6%

Plenary Group Discussion

In the plenary discussion, the topics addressed in the evaluation form were raised item by item to obtain the group's opinion on the course.

1. As far as the content of the course is concerned, expectations of the participants were fulfilled. However, time was too short, or time should be reallocated to each subject to fit with the time available. Theoretical aspects should be shortened. More time should be given to communication sessions.
2. Subjects included in the course should be revised. Bio-economic & an effective investment in coastal fisheries management should be omitted. Fishery Law if it is retained in the course, should be revised to gain a more local focus or how the fishery law can be incorporated or applied in fishery extension.
3. Aims of the visits should be informed to the places visited to include view of delivering what the participants will learn at grassroots level.
4. The result of the survey should be reliable. There should be some time allocated to discuss experience encountered in the field. If possible when surveying, accommodation of the participants should be close to the area, or in the area.
5. Active research or surveys should be part of the extension program planning.

6. As far as the living conditions are concerned, food services should be improved. Food allowance should also include breakfast because some participants have food restrictions. More choices should be served at the canteen. Cooks should be trained to serve various kinds of dishes of different countries. Toppings should be served separately from rice or fried rice.
7. As a whole, the course as prepared was well-arranged. Some aspects should be improved in the course. For instance, onboard demonstration of fishing operation should be included. Although communication seems to be the barrier between the participants but generating good will between the participants taking part in the course will minimise the barrier.
8. There should be an assessment of the participants. Certificates should be differentiated between those who have successfully achieved the course (certificate of achievement) and those who have just attended without fully achieving the course (certificate of attendance). The result should be reported to the participants' home offices.
9. Information given to the participants before coming to SEAFDEC/TD should be occasionally revised. Guidance for the participants who have to come to TD on their own should be included to avoid problems, etc.

Report By Course Co-ordinator

Over view of the course

Training program of this course was divided into 4 parts. After course orientation and ice breaking sessions, the first part started with fundamental subjects which were given by guest lecturers and SEAFDEC lecturers. Mostly ~~the~~ these subjects focused on theory, concept and principle of marine fishery resources conservation. X

The second part of the course started at the third week and focused on extension concepts, methodologies and extension program planning. By this time all participants had the opportunity to collect information from fishing communities which were Pak Mab and Bangkeao fishing villages in Samut Songkarm province. The collected information was used as basic data in the practising of extension program planning.

The third part of the course focused on production of simple and audio visual media for extension work. The lecture covered all the content of communication concept, human learning style, support of media in extension work, media planing processes and the techniques of media production for many kinds of media such as flip charts, transparencies, sound slide series, video films and posters. The presentation technique was also included in the content.

The last part was visiting related organisations which are;

1. Fishery Extension Division, DOF
2. Fish Marketing Organisation
3. MaeKlong Fisheries Co-operatives
4. Television Station No. 7
5. Sukhothai Thammathirat Open University

Training Methodology

The concept of extension service focuses on transferring information to audiences by using the participatory approach and also concerns the style of adult learning, the training methodology of this course was the pertinent issue.

The course was balanced by lecturing in class and practising on the field survey and media production. In the class, training media such as overhead transparencies, slides, videos, flip charts and computers were used to assist the learning process of participants.

During the media production workshop, all participants were divided in to 4 groups and were assigned to produce 4 types of extension media, namely;

1. a set of flip charts (8-10 sheets)
2. a set of overhead transparencies (8-10 sheets)
3. a poster
4. a sound slide series (60 frames) or a video film (6-8 minutes)

At the beginning of workshop, the lecturers for each subject gave an introduction to media production techniques which were demonstrated to all participants. They were then allowed to work by themselves. On the last day, all the groups presented their productions to all participants as a group and the lecturers to get some comments and a reasoned critique.

For the field survey practise, the participants were divided in to 4 groups who were assigned to interview 10 families each group. The questions from each group focused on different aspects, for example, one group concerned themselves with policy problems, one group enquired into knowledge problems, one group raised questions about attitude problems, and the last concerned themselves with skill problems. At the end of the survey all the groups discussed the information they got and planned an extension program to cope with the problems and to develop the community.

Appendix I



Group Photo of participants and Instructors



Practising on Audio-visual Media Production



Visitting the Production Section of Television Station Channel 7



Visitting Sukhothai Thammathirath Open University

Appendix II

Evaluation of Resource Persons

SUBJECT/LECTURER	3. Applicability	4. How much learned	5. Organization of lesson	6. Organization of time	7. Instructor's Communication skill	8. Use of teaching Media	9. Interaction between Lecturer and Participants	10. Teaching Method	11. Useful of Lecture Note	Total
Characteristic of Ext. Agent	85.88	83.53	90.59	85.89	89.41	90.59	90.59	90.59	78.82	87.32%
Presentation Technique	85.55	83.33	87.77	87.77	85.55	86.66	88.88	88.88	85.55	86.66%
Simple Media for Ext. Work	89.33	76	88	84	86.67	86.67	89.33	88	82.67	85.63%
Communication	82.1	73.68	82.1	84.21	85.26	86.31	88.42	85.26	83.16	83.39%
Role of Fisherfolk in Fishery Management	88.42	83.16	83.16	78.95	72.63	88.42	86.32	83.16	85.26	83.28%
Effect of Env. Poll. on Coastal Resources	86.36	74.54	84.54	82.72	87.27	82.72	79.09	89	79	82.80%
Active Research	77.89	78.94	82.1	83.15	76.84	89.47	87.36	85.26	77.89	82.10%
Responsible fishery (Mr. Bundit)	82.86	81.91	83.81	81.91	78.1	82.86	83.81	83.81	78.1	81.91%
Basic Computer	83.33	77.78	81.11	80	82.22	84.44	86.67	82.22	78.89	81.85%
Getting to know you and International...	82.1	75.79	84.21	83.16	82.1	81.05	85.26	80	73.68	80.82%
Basic Knowledge of photograph taking	75.78	74.05	74.73	75.78	78.94	82.1	84.21	76.84	83.15	78.40%
Marine Fish. and Fish. Resources Conserv.	80	72.22	77.78	78.89	76.69	84.44	81.11	77.78	74.44	78.15%
Small-scale Fishery	77	73	79	76	79	77	74	88	78	77.89%
Extension Program Planning	76.19	73.33	75.23	68.57	80	75.23	80	78.09	69.52	75.12%
Principle of Marine Resource Conservation	73.33	65.71	74.28	77.14	71.43	73.33	72.29	74.29	74.29	72.91%
Fishery Extension	72.94	64.71	74.12	76.47	68.24	67.06	80	71.76	71.76	71.90%
Fishery Bio-economic & An effective ...	74.28	63.52	68.57	68.57	71.42	76.19	69.52	67.61	66.66	69.59%
Responsible fishery (Dr. Kato)	70.91	65.1	70	71.82	70.91	62.73	67.27	67.27	70	68.89%
Fishery Law and.....	72	62	68	65	68	67	71	68	67	67.56%
TOTAL	1516.25	1406.3	1509.1	1489.99	1490.68	1524.27	1545.13	1525.82	1457.84	1496.17%
Average	79.8	74.02	79.43	78.42	78.46	80.22	81.32	80.31	76.73	78.74