

TD/RP/21

January 1989

REPORT ON THE NINTH REGIONAL TRAINING COURSE  
FOR  
FISHERY EXTENSION OFFICERS IN SOCIO-ECONOMICS OF SMALL-SCALE FISHERIES  
17 October to 30 November 1988

Submitted to  
the Royal Government of the Netherlands  
by  
the Training Department  
Southeast Asian Fisheries Development Center

## CONTENTS

	Page
I. Introduction .....	1
II. Objectives of the Course .....	2
III. Training Subjects .....	2
IV. Training Program .....	4
V. Evaluation .....	6
VI. Closing Ceremony .....	6
VII. Conclusion .....	7
 ANNEXES	
A. List of Participants and Instructors .....	9
B. Program of the 9th Regional Training Course .....	19
C. List of Documents .....	29
D. Results of Evaluation .....	33

## I. INTRODUCTION

The Training Department has conducted regional training programs for fishery extension officers since 1981, with assistance from the Royal Netherlands Government under the SIR/DSO Program. Eight training courses, with a total of 188 participants from ten countries in the South and Southeast Asian regions, were organized by the Department between 1981 and 1987.

Under its program for 1988, the Training Department organized the Ninth Regional Training Course for Fishery Extension Officers from 17 October to 30 November 1988. The emphasis of this course was placed on socio-economics of small-scale fisheries, which is of great importance to the countries in the South and Southeast Asian regions.

Invitations to nominate participants to the ninth training course were sent to twelve countries, i.e., Bangladesh, Brunei, Burma, India, Indonesia, Malaysia, Maldives, Pakistan, Philippines, Singapore, Sri Lanka and Thailand. Nine countries responded and sent participants to attend the course:

Brunei	2
India	2
Indonesia	2
Malaysia	4
Maldives	2
Philippines	4
Singapore	2
Sri Lanka	2
Thailand	<u>5</u>
Total	<u>25</u>

The list of participants and instructors is given as Annex A.

## II. OBJECTIVES OF THE COURSE

The objectives of the Ninth Regional Training Course for Fisheries Extension Officers were:

1. To train the fishery officers and fishery extension workers in the basic characteristics of coastal small-scale fisheries, socio-economic surveys of fishing communities, and fishery cooperatives;
2. To familiarize the participants with fishery extension methodology, as well as the development of communications media for extension services; and
3. To provide study/observation trips for participants to familiarize them with marine fishing communities and the infrastructures required for the development of fisheries.

## III. TRAINING SUBJECTS

1. Small-scale Fisheries and Fishery Management (5 days)
  - Fisheries in Southeast Asia
  - Role of fishing industry in national economy
  - Small-scale fisheries and its problems and constraints
  - Fishery management : Biological approach
  - Fishery management : Economic approach
2. Fishery Cooperatives and Fish Marketing (4 days)
  - History and principles
  - Structure and functions
  - Fishery cooperatives in developed countries
  - Fishery cooperatives in developing countries
  - Development perspectives
  - Fish marketing

3. Introduction to Fishery Statistics and Socio-economic Survey Methodology and Practice (12 days)
  - Fishery statistics
  - Introduction to socio-economic surveys and fishing community surveys
  - Sampling design
  - Questionnaire design
  - Analysis and presentation of socio-economic survey data
  - Field survey practice
  - Analysis of data collected
  - Presentation of the survey results
  
4. Fishery Extension Services and Extension Methodology (4 days)
  - Introduction to fishery extension services
  - Some problems of Asian Extension Work
  - Problem identification and strategy formulation
  - Extension program and programming
  - Communications media in extension work
  
5. Small-scale Fisheries Development Program, Case Studies and Discussion (5 days)
  - Rural development
  - Small-scale fisheries development
  - Fishing gear development for small-scale fisheries
  - Artificial reef development
  - Aquaculture development
  - Fish processing development

6. Study and Observation Trips (4 days)

- Fishery cooperatives
- Fishing ports and Shrimp farms
- Marine Science Center
- Fishermen's Groups and Associations
- Fishing villages
- Fish Marketing Organization

**IV. TRAINING PROGRAM**

1. Lectures and Discussions

Training was carried out with all facilities and resources being fully utilized. In general, the daily training began at 0900 hrs on weekdays with classroom lectures and discussion until 1600 hrs. Lectures on theoretical subjects were occasionally followed either by practice, discussion and case study or by field trips to relevant places, such as fishing villages, fishermen's cooperatives and groups, a net making factory, a canning factory, the fish marketing organization, a shrimp farm, etc. Five days were spent in fishing villages and communities to practise collecting the data relating to the socio-economic status of the small-scale fishermen.

2. Field Survey Practice

Five days practice in making socio-economic surveys of fishing communities and fishery cooperatives was carried out in order to train the participants in collecting data relating to the socio-economic status of small-scale fishermen.

The participants left SEAFDEC/TD on 7 November 1988, and visited the Ang-sila Fishermen's Group in Chonburi, after a brief explanation of its activities by the manager, the participants started

to collect the data regarding its operation and management. From 8-11 November, participants took part in interviewing the fishermen in the fishing communities of Ko Perd, Pra-sae, Ta-chalaeb in Chantaburi Province as well as Ao Charoen and Ta-pong in Rayong Province. Participants also had a chance to visit the Pra-sae Fishermen's Association and the Bang-sarei Fishermen's Group during this period. Other relevant places were also visited such as the Marine Science Center, an oyster farm, a shrimp farm, a fishing port, a fish meal factory and a shipyard. Participants returned to SEAFDEC/TD at 2000 hrs on 11 November 1988.

### 3. Study and Observation Trips

Various places related to fishing activities such as a fishing port and a fish processing plant in the Provinces of Samut Sakhon and Chantaburi, a net making factory in Samut Prakarn as well as fish markets were visited:

- 29 October 1988 : 0700-1200 visited a fishing port and a fish processing factory in Samut Sakhon Province.
- : 1300-1500 visited the shrimp farm and the Training Center of C.P. Group Co., Ltd. to observe shrimp farming and discuss the methods with the manager of the farm.
- 18 November 1988 : 1300-1600 visited Siam Brothers Co., Ltd. net-making factory in Phrapradaeng, Samut Prakarn, to observe the entire process of manufacturing fishing nets, i.e. twine making, net weaving, etc. The participants much appreciated the manager's willingness to share his knowledge.

19 November 1988 : 0600-1200 visited the Fish Marketing Organization (FMO) in Bangkok. A briefing on the Organization's activities was given by the Bangkok Fish Market's manager, who kindly took participants around to observe the fish landing and auction system of the Bangkok Fish Market.

## V. EVALUATION

The course evaluation in which participants cooperated by answering a questionnaire, proved to be constructive. Most of them were satisfied with the present training arrangements. The results of the inquiry are shown in Annex D.

The majority of participants agreed that the course met their expectations and was very beneficial to extension work, but noted that more time should be allocated to the socio-economic survey, workshop and discussion, as well as skills development of extension workers and the audio visual media. They also suggested to add some subjects such as fishing gear operation, socio-culture of fishermen, oceanography and stock assessment.

In view of the comments and suggestions received, some slight modifications in the living conditions at the SEAFDEC dormitory as regards food and beverages, and difficulties in communication with local people during the field trips as well as the amount of the stipend will be considered for future courses.

## VI. CLOSING CEREMONY

The closing ceremony of the Ninth Regional Training Course for Fishery Extension Officers was organized by the Training Department at the Narai Hotel in Bangkok on 30 November 1988. The ceremony was presided over by the Deputy Director-General of the Department of Fisheries of Thailand, Mr. Urubhan Boonprakop.



## VII. CONCLUSION

In general, it can justly be considered that all the objectives of the training course were achieved. Participants were satisfied with their six-week stay and training at the SEAFDEC Training Department. They all agreed that the course had provided valuable knowledge for the work of extension worker which is beneficial and could be applied to their present work.

To conclude this report, it can be said that the Ninth Regional Training Course for Fishery Extension Officers was conducted satisfactorily, all the objectives having been achieved.



Mr. Urubhan Boonprakop, Deputy Director-General of the Department of Fisheries of Thailand, presented the Certificates of Achievement to the participants at the Closing Ceremony on 30 November 1988.



The participants and instructors of the 9th Regional Training Course for Fishery Extension Officers organized by the SEAFDEC Training Department

LIST OF PARTICIPANTS AND INSTRUCTORS

A. Participants

**BRUNEI DARUSSALAM**

1. Mr. Jumaat Bin Haji Bandol  
Fisheries Assistant  
Department of Fisheries  
Ministry of Development  
P.O. Box 2060  
Bandar Seri Begawan  
Negara Brunei Darussalam
2. Mr. Idris Bin Haji Abdul Hamid  
Assistant Fisheries Officer  
Department of Fisheries  
Ministry of Development  
P.O. Box 2060  
Bandar Seri Begawan  
Negara Brunei Darussalam

**INDIA**

1. Mr. R.P. Mathur  
Senior Technical Assistant  
(Fisheries)  
Department of Agriculture & Cooperation  
Ministry of Agriculture  
Room No. 533, Fisheries-5  
Krishi Bhavan, New Delhi  
India

2. Dr. V.R. Swamy  
Inspector of Fisheries (Zone-5)  
Fish seed farm, Mulug Road  
Hanamkonda - 506007  
Andhra Pradesh  
India

**INDONESIA**

1. Mr. Yulianto  
Assistant Planning Officer  
Directorate General of Fisheries  
Jalan Harsono RM No.3, Ragunan  
Pasar Minggu, Jakarta 12550  
Indonesia
2. Mr. Tatang Gandawiria  
Chief Extension Officer  
Provincial Fisheries Service  
West Java, JL Wastukencana  
No.17 Bandung  
Directorate General of Fisheries  
Jalan Harsono RM No.3, Ragunan  
Pasar Minggu, Jakarta 12550  
Indonesia

**MALAYSIA**

1. Mr. Jaini Bin Jailan  
Assistant Fisheries Officer  
Fisheries Department Malaysia  
Jalan Abas, 82000 Pontian  
Johor Darul Takzim  
Malaysia

2. Mr. Abd. Rahim Bin Ahmad  
Fisheries Assistant  
State Fisheries Department of Perak  
Tingkat 8, Kompleks Islam Darul Ridzuan  
Jalan Panglima Bukit Gantang, 30000 Ipoh  
Perak, West Malaysia
3. Mr. Mat Tahil Bin Mat Nor  
Fisheries Assistant  
Fisheries Department  
Tingkat 6, Wisma Persekutuan  
Jalan Bayam, 15628 Kota Bharu  
Kelantan, West Malaysia
4. Mr. Mohammad Rajiee Bin Ahmad Drabi  
Fisheries Assistant  
State Fisheries Department of Perak  
Tingkat 8, Kompleks Islam Darul Ridzuan  
Jalan Panglima Bukit Gantang, 30000 Ipoh  
Perak, West Malaysia

**MALDIVES**

1. Mr. Mohamed Rasheed Hussain  
Assistant Fishing Technologist Trainee  
Marine Research Section  
Ministry of Fisheries  
Ghaazee Building  
Male' 20-05  
Republic of Maldives
2. Mr. Abdulla Jaufar  
Statistical Clerk  
Ministry of Fisheries  
Ghaazee Building  
Male' 20-05  
Republic of Maldives

**PHILIPPINES**

1. Mr. Felizardo C. Francisco  
Junior Fishery Biologist  
Department of Agriculture  
Bureau of Fisheries and Aquatic  
Resources, Region No. III  
San Matias, Sto Tomas, Pampanga  
Republic of the Philippines
2. Mr. Diony M. Tobeza  
Senior Fishery Technologist  
Department of Agriculture-Fisheries  
Bureau of Fisheries and Aquatic  
Resources, Region No. XI  
Lagao, General Santos City  
Republic of the Philippines
3. Mr. Ahadulla S. Sajili  
Fishery Extension Specialist-II  
Department of Agriculture  
Autonomous Region No. IX  
Western Mindanao, Zamboanga City  
Republic of the Philippines
4. Mr. Luisito-Romeo M. Correa  
Acting Chief  
Municipal Fisheries Division  
Northern Palawan Fisheries  
Development Project  
Philippines Fisheries Development  
Authority  
3rd & 4th Floors, Bookman Building  
Quezon Avenue, Quezon City  
Republic of the Philippines

**SINGAPORE**

1. Mr. Neo Kim Sui  
Assistant Primary Production Officer  
Primary Production Department  
c/o Jurong Fishing Port and  
Central Fish Market  
Fishery Port Road  
Singapore 2261  
Republic of Singapore
2. Mr. Ong Tui Koon  
Assistant Primary Production Officer  
Primary Production Department  
Punggol Fishing Port (Wholesale market)  
Punggol Port Road, Singapore 1954  
Republic of Singapore

**SRI LANKA**

1. Mr. D. Wijegunaratne  
District Fisheries Extension Officer  
Ministry of Fisheries  
Maligawatte  
Colombo-10  
Sri Lanka
2. Mr. S.W. Pathirana  
District Fisheries Inspector  
Ministry of Fisheries  
Maligawatte  
Colombo-10  
Sri Lanka

**THAILAND**

1. Mr. Kornwit Jankusol  
Marine Fishery Biologist  
Marine Fisheries Division  
Department of Fisheries  
80/1 Soi Sapan Pla, New Road  
Yannawa, Bangkok 10120  
Thailand
  
2. Mr. Suchart Sangchan  
Fishery Officer  
Andaman Sea Marine Fisheries  
Development Center  
Marine Fisheries Division  
Vichit Road, Amphoe Muang  
Phuket 83000  
Thailand
  
3. Mr. Santi Pariyawatee  
Fishery Biologist  
Phang Nga Provincial Fisheries Office,  
Department of Fisheries  
Phetchakasem Road, Amphoe Muang  
Phang Nga 82000  
Thailand
  
4. Mr. Sla Wilaikheo  
Fishery Officer  
Fishery Extension Division  
Department of Fisheries  
Ministry of Agriculture and  
Cooperatives  
Rajdamnern Avenue  
Bangkok 10200  
Thailand



5. Mr. Vicharn Ingsrisawang  
Junior Marine Fishery Biologist  
Eastern Marine Fisheries  
Development Center (EMDEC)  
Department of Fisheries  
Ban-Phe, Rayong 21160  
Thailand

B. Instructors

I. Training Department Staff

1. Dr. Veravat Hongskul  
Secretary-General and Chief of  
the Training Department
2. Mr. Kazuo Inoue  
Deputy Secretary-General and  
Deputy Chief of the Training Department
3. Mr. Somyos Soodhom  
Head of the Training Division
4. Mr. Somnuk Pornpatimakorn  
Head of Training Aids Unit  
Training Division
5. Mr. Hiroaki Yonesaka  
Fishery Socio-economist  
Research Division
6. Mr. Wajiro Fujisawa  
Expert on Artificial Reefs  
Research Division

7. Mrs. Pouchaman Wongsanga  
Assistant Fishery Socio-economist  
Research Division
8. Mr. Tdoey Sikacha  
Assistant Fishery Socio-economist  
Research Division

II. Guest Lecturers

**Kasetsart University**

1. Dr. Prasert Saisithi  
Associate Professor  
Department of Microbiology  
Faculty of Science  
Kasetsart University  
50 Phaholyotin Road  
Bangkhen, Bangkok 10900
2. Dr. Boontham Chitanan  
Director  
Extension and Training Office  
Kasetsart University  
50 Phaholyotin Road  
Bangkhen, Bangkok 10900
3. Dr. Direk Rerkrai  
Professor  
Extension and Training Office  
Kasetsart University  
50 Phaholyotin Road  
Bangkhen, Bangkok 10900
4. Mr. Suchoti Daosukho  
Instructor  
Extension and Training Office  
Kasetsart University  
50 Phaholyotin Road  
Bangkhen, Bangkok 10900

5. Miss Rattana Chuenpagdee  
Instructor  
Department of Fisheries  
Management  
Faculty of Fisheries  
Kasetsart University  
50 Phaholyotin Road  
Bangkhen, Bangkok 10900

**Department of Fisheries**

1. Mr. Pairoj Brohmanonda  
Senior Fisheries Adviser  
(Coastal Aquaculture)  
Department of Fisheries  
Ministry of Agriculture and  
Cooperatives  
Rajdamnern Avenue  
Bangkok 10200
2. Mr. Somsak Chullasorn  
Director  
Eastern Marine Fisheries  
Development Center (EMDEC)  
Department of Fisheries  
Ban-Phe, Rayong 21160
3. Mr. Hiromu Ikenoue  
Aquaculturist  
Eastern Marine Fisheries  
Development of Center (EMDEC)  
Department of Fisheries  
Ban-Phe, Rayong 21160
4. Mr. Takeshi Sakamoto  
Aquaculturist  
Eastern Marine Fisheries  
Development Center (EMDEC)  
Department of Fisheries  
Ban-Phe, Rayong 21160

5. Mr. Sanchai Tantavanich  
Head of Project  
Ranong's Small-Scale Fisheries  
Development Project  
Brackish-Water Fisheries Division  
Department of Fisheries  
77/16-17 Soi Pakdee  
Thamuang Road, Amphoe Muang, Ranong 85000
6. Mr. Supol Chitrapongse  
Fishery Biologist  
Marine Fisheries Division  
Department of Fisheries  
80/1 Soi Sapan Pla, New Road  
Yannawa, Bangkok 10120

**The Cooperatives Promotion Department**

1. Mrs. Sudsaward Theerasudtakorn  
Chief of Fisheries Cooperatives  
Promotion Section  
Agricultural Cooperatives Division  
The Cooperatives Promotion Department  
12 Krung Kasem Road, Bangkok 10200
2. Assoc. Prof. Prem Boonruang  
Advisor  
Foreign Co-ordination Division  
Administrative Center for Assisting  
People to Develop the Northeast  
Under H.M. The King's Initiative Project  
Inner Security Operation Center  
Suan Ruen, Dusit, Bangkok 10300

**The Community Development Department**

1. Dr. Yuwat Vuthimedhi  
Deputy Director-General  
The Community Development Department  
Atsadang Road, Bangkok 10200
-

**Annex B**

**Program of 9th Regional Training Course  
for  
Fishery Extension Officers in Socio-economics of Small-scale Fisheries**

**Course** : Socio-economics of Small-scale Fisheries

**Duration** : 45 days (17 October - 30 November 1988)

**Schedule :**

**17 October (Mon.)**

1030-1200 : Opening Ceremony  
(Dr. Veravat Hongkul)

1300-1600 : Course Orientation  
(Messrs. Somyos Soodhom, Hiroaki Yonesaka  
and Somnuk Pornpatimakorn)

**18 October (Tue.)**

0900-1200 : Fisheries in Southeast Asia  
(Mr. Kazuo Inoue)

1300-1600 : Role of the Fishing Industry in the  
National Economy  
(Mr. Hiroaki Yonesaka)

**19 October (Wed.)**

0900-1200 : Small-scale Fisheries and its Problems and  
Constraints  
(Messrs. Sanchai Tantavanich and  
Supol Chitrapong)

1300-1600 : - ditto -

**20 October (Thu.)**

0900-1200 : Fishery Management : Biological Approach  
(Ms. Rattana Chuenpagdee)

1300-1600 : - ditto -

**21 October (Fri.)**

0900-1200 : Fishery Management : Economic Approach  
(Ms. Rattana Chuenpagdee)

1300-1600 : - ditto -

**22 October (Sat.)**

0900-1800 : Excursion to Bangkok  
(Messrs. Somnuk Pornpatimakorn and  
Tdoey Sikacha)

**23 October (Sun.)** : Free

**24 October (Mon.)**

0900-1200 : Fishery Cooperatives : History and  
Principle  
(Mr. Hiroaki Yonesaka)

1300-1600 : Fishery Cooperatives : Structure and  
Functions  
(Mr. Hiroaki Yonesaka)

**25 October (Tue.)**

0900-1200 : Fishery Cooperatives in Developed Countries  
(Mr. Hiroaki Yonesaka)

1300-1600 : Fishery Cooperatives in Developing  
Countries  
(Ms. Sudsaward Theerasudtakorn)

**26 October (Wed.)**

0900-1600 : Fishery Cooperatives : Development  
Perspectives  
(Mr. Hiroaki Yonesaka)

**27 October (Thu.)**

0900-1200 : Case Study of Small-scale Fisheries  
Development-1 : Fishing Gear Development  
for Small-Scale Fisheries  
(Messrs. Somyos Soodhom, Hiroaki Yonesaka  
and Ms. Rattana Chuenpagdee)

1300-1600 : - ditto -

**28 October (Fri.)**

0900-1200 : Fishery Statistics  
(Mr. Kazuo Inoue)

1300-1600 : - ditto -

**29 October (Sat.)**

: Visit to Fishing Port and a Shrimp Farm  
in Samut Sakhon and Samut Songkhram  
(Messrs. Somnuk Pornpatimakorn and  
Tdoey Sikacha)

**30 October (Sun.)**

: Free

**31 October (Mon.)**

0900-1200 : Introduction to the Socio-Economic Survey  
(Mr. Hiroaki Yonesaka, Ms. Rattana  
Chuenpagdee, Mrs. Pouchamarn Wongsanga  
and Mr. Tdoey Sikacha)

1300-1600 : Introduction to Thai Fishing Industry:  
Present Situation  
(Mr. Tdoey Sikacha)

**1 November (Tue.)**

0900-1200 : Sampling Design  
(Ms. Rattana Chuenpagdee and  
Mrs. Pouchamarn Wongsanga)

1300-1600 : - ditto -

**2 November (Wed.)**

0900-1200 : Questionnaire Design  
(Messrs. Hiroaki Yonesaka, Somnuk  
Pornpatimakorn, Tdoey Sikacha and  
Ms. Rattana Chuenpagdee)

1300-1600 : - ditto -

**3 November (Thu.)**

0900-1200 : Analysis and Presentation of Socio-  
Economic Survey  
(Ms. Rattana Chuenpagdee, Mrs. Pouchamarn  
Wongsanga and Mr. Tdoey Sikacha)

1300-1600 : Questionnaire Design  
(Messrs. Hiroaki Yonesaka, Somnuk  
Pornpatimakorn, Tdoey Sikacha and  
Ms. Rattana Chuenpagdee)

**4 November (Fri.)**

0900-1200 : Fish Marketing  
(Mr. Hiroaki Yonesaka)

1300-1600 : - ditto -

**5 November (Sat.)**

: Excursion to Ayudhaya Province  
(Messrs. Somnuk Pornpatimakorn and  
Tdoey Sikacha)



- 6 November (Sun.)** : Free
- 7-11 November** : Socio-Economic Survey Practice in Eastern Part of Thailand  
(Messrs. Hiroaki Yonesaka, Somnuk Pornpatimakorn, Tdoey Sikacha, Ms. Rattana Chuenpagdee and Mrs. Pouchamarn Wongsanga)
- 7 November (Mon.)**
- 0700 : Leave SEAFDEC/TD for Chonburi
- 0900 : Visit Ang-Sila Fishermen's Group
- 1030 : Visit Oyster Culture Group
- 1200 : Lunch at Bangsaen
- 1300 : Visit Marine Science Center
- 1500 : Leave Marine Science Center for Chantaburi
- 1730 : Arrive Chantaburi and stay over night there
- 8 November (Tue.)**
- 0800 : Leave Chantaburi for Ko Prerd
- 1000 : Arrive Ko Prerd and start to interview the fishermen
- 1200 : Lunch at Ko Prerd
- 1300 : Continue to interview the fishermen and visit Mrs. Sakee's Fishing Pier and Fish Meal Factory
- 1700 : Back to Chantaburi and stay over night there

**9 November (Wed.)**

- 0800 : Leave Chantaburi for Prasae
- 1000 : Visit shrimp farm (Mr. Sin Kumpa Farm)
- 1300 : Visit Prasae Fishermen's Association and start to interview the fishermen
- 1700 : Back to Chantaburi and stay over night there

**10 November (Thu.)**

- 0800 : Leave Chantaburi for Ta-chalaeb
- 1000 : Visit Ta-chalaeb and start to interview the fishermen
- 1200 : Lunch at Chantaburi
- 1300 : Leave Chantaburi for Klang and visit fishing village
- 1700 : Proceed to Ban Phe and stay over night there

**11 November (Fri.)**

- 0830 : Visit Eastern Marine Fisheries Development Center
- 1000 : Leave Ban Phe for Tapong fishing village and interview the fishermen
- 1200 : Lunch at Rayong
- 1300 : Proceed to Bangsarei Fishermen's Group

**11 November (Fri.)**

1600 : Leave Bangsarei for Chonburi  
1730 : Dinner at Chonburi  
1830 : Leave Chonburi for Bangkok  
2000 : Arrive SEAFDEC/TD

**12 November (Sat.)** : Free

**13 November (Sun.)** : Free

**14 November (Mon.)**

0900-1200 : Analysis of the Data Collected  
(Messrs. Hiroaki Yonesaka, Somnuk  
Pornpatimakorn, Tdoey Sikacha,  
Ms. Rattana Chuenpagdee and  
Mrs. Pouchamarn Wongsanga)

1300-1600 : - ditto -

**15 November (Tue.)**

0900-1200 : Analysis of the Data Collected  
(Messrs. Hiroaki Yonesaka, Somnuk  
Pornpatimakorn, Tdoey Sikacha,  
Ms. Rattana Chuenpagdee and  
Mrs. Pouchamarn Wongsanga)

1300-1600 : - ditto -

**16 November (Wed.)**

0900-1200 : Presentation of the Country Reports  
(Participants)

1300-1600 : - ditto -

- 17 November (Thu.)**
- 0900-1200 : Introduction to Fishery Extension Service (Dr. Direk Rerkrai)
- 1300-1600 : - ditto -
- 18 November (Fri.)**
- 0900-1200 : Case Study of Small-scale Fisheries Development-2 : Fish Processing Development (Dr. Prasert Saisith and Ms. Rattana Chuenpagdee)
- 1300-1600 : Visit Siam Brother Net Making Factory (Messrs. Prasert Masthawe, Somnuk Pornpatimakorn and Tdoey Sikacha)
- 19 November (Sat.)** : Visit Fish Marketing Organization (Messrs. Somnuk Pornpatimakorn and Tdoey Sikacha)
- 20 November (Sun.)** : Free
- 21 November (Mon.)**
- 0900-1200 : Some Problems of Asian Extension Work (Mr. Suchoti Daosukho)
- 1300-1600 : Problem Identification and Strategy Formulation (Mr. Suchoti Daosukho)
- 22 November (Tue.)**
- 0900-1200 : Extension Program and Programming (Dr. Boontham Chitanan)
- 1300-1600 : - ditto -

**23 November (Wed.)**

0900-1200 : Communication Media in Extension Work  
(Mr. Somnuk Pornpatimakorn)

1300-1600 : - ditto -

**24 November (Thu.)**

0900-1030 : Small-scale Fisheries Development :  
What should be done?  
(Dr. Veravat Hongskul)

1030-1600 : Case Study of Small-scale Fisheries  
Development-3 : Artificial Reef  
Development  
(Messrs. Wajiro Fujisawa, Hiroaki Yonesaka  
and Ms. Rattana Chuenpagdee)

**25 November (Fri.)**

0900-1200 : Case Study of Small-scale Fisheries  
Development-4 : Aquaculture Development  
(Messrs. Pairoj Brohmanonda, Hiroaki  
Yonesaka and Ms. Rattana Chuenpagdee)

1300-1600 : Case Study of Small-scale Fisheries  
Development-4 : Aquaculture Development  
(Messrs. Hiroaki Ikenoue, Takeshi Sakamoto,  
Hiroaki Yonesaka and Ms. Rattana  
Chuenpagdee)

**26 November (Sat.)** : Excursion to Bangkok  
(Mr. Tdoey Sikacha)

**27 November (Sun.)** : Free

**28 November (Mon.)**

- 0900-1200 : Rural Development  
(Dr. Yuwat Vuthimedhi)
- 1300-1600 : Case Study of Small-scale Fisheries  
Development-5 : Thai Fisheries Development  
During the Past 2 Decades  
(Mr. Somsak Chullasorn and Ms. Rattana  
Chuenpagdee)

**29 November (Tue.)**

- 0900-1200 : Presentation of the Communication Media  
Produced by Participants  
(by Participants)
- 1300-1600 : Presentation of Survey Results  
(by Participants)

**30 November (Wed.)**

- 0900-1200 : Course Evaluation  
(Messrs. Somyos Soodhom and Somnuk  
Pornpatimakorn)
- 1800-2100 : Closing Ceremony  
(Messrs. Urubhan Boonprakop and Somyos  
Soodhom)

LIST OF DOCUMENTS

- |             |  |
|-------------|--|
| EXT/87/LN 1 | Fisheries in Southeast Asia<br>(Mr. Kazuo Inoue)                                       |
| 2           | Role of the Fishing Industry in the National<br>Economy<br>(Mr. Hiroaki Yonesaka)      |
| 3           | Small-scale Fisheries and its Problems and<br>Constraints<br>(Mr. Sanchai Tantavanich) |
| 4           | Fishery Management : Biological Approach<br>(Ms. Rattana Chuenpagdee)                  |
| 5           | Fishery Management : Economic Approach<br>(Ms. Rattana Chuenpagdee)                    |
| 6           | Fishery Cooperatives : History and Principle<br>(Mr. Hiroaki Yonesaka)                 |
| 7           | Fishery Cooperatives : Structure and Functions<br>(Mr. Hiroaki Yonesaka)               |
| 8           | Fishery Cooperatives in Developed Countries<br>(Mr. Hiroaki Yonesaka)                  |
| 9           | Fishery Cooperatives in Developing Countries<br>(Ms. Sudsaward Theerasudtakorn)        |
| 10          | Fishery Cooperatives : Development Perspectives<br>(Mr. Hiroaki Yonesaka)              |

- EXT/88/LN 11 Case Study of Small-scale Fisheries  
Development-1 : Fishing Gear Development  
for Small-scale Fisheries  
(Mr. Somyos Soodhom)
- 12 Fishery Statistics  
(Mr. Kazuo Inoue)
- 13 Introduction to the Socio-economic Survey  
(Mr. Hiroaki Yonesaka)
- 14 Introduction to the Thai Fishing Industry :  
Present Situation  
(Mr. Tdoey Sikacha)
- 15 Sampling Design  
(Ms. Rattana Chuenpagdee)
- 16 Questionnaire Design  
(Mr. Hiroaki Yonesaka)
- 17 Analysis and Presentation of the Socio-economic  
Survey  
(Ms. Rattana Chuenpagdee)
- 18 Analysis of the Data Collected  
(Mr. Hiroaki Yonesaka)
- 19 Fish Marketing  
(Mr. Hiroaki Yonesaka)
- 20 Introduction to Fishery Extension Service  
(Dr. Direk Rerkrai)
- 21 Case Study of Small-scale Fisheries  
Development-2 : Fish Processing Development.  
(Dr. Prasert Saisith)



- EXT/88/LN 22           Some Problems of Asian Extension Work  
                          (Mr. Suchoti Daosukho)
- 23                    Problem Identification and Strategy Formulation  
                          (Mr. Suchoti Daosukho)
- 24                    Extension Program and Programming  
                          (Dr. Boontham Chitanan)
- 25                    Communication Media in Extension Work  
                          (Mr. Somnuk Pornpatimakorn)
- 26                    Case Study of Small-scale Fisheries  
                          Development-3 : Artificial Reef Development  
                          (Mr. Wajiro Fujisawa)
- 27                    Case Study of Small-scale Fisheries  
                          Development-4 : Aquaculture Development  
                          (Mr. Pairoj Brohmanonda)
- 27.1                  Cast Study of Small-scale Fisheries  
                          Development-4 : Aquaculture Development  
                          (Mr. Hiromu Ikenoue)
- 28                    Rural Development  
                          (Dr. Yuwat Vuthimedhi)
- 29                    Case Study of Small-scale Fisheries  
                          Development-5 : Thai Fisheries Development  
                          During the Past 2 Decades  
                          (Mr. Somsak Chullasorn)
- 30                    Small-scale Fisheries Development :  
                          What should be done?  
                          (Dr. Veravat Hongskul)

- EXT/88/Ref. 1      JUNTARASHOTE, Kungwan and Suchote DAOWSUKHO, 1986. Handbook for Fishery Extension Workers in Southeast Asia. 103 pp. (TD/CIR/28)
- 2                    BOTHAM, C.N., 1976. Audio-Visual Aids for Cooperative Education and Training, FAO, Rome. 99 pp. (TD/LN/35)
- 3                    BRADFIELD, D.J., 1966. Guide to Extension Training, FAO, Rome, 171 pp. (TD/LN/55)
- 4                    PAREL, C. Cristina, Gloria C. CALDITO, Pilar L. FERRER, Generoso G. De GUZMAN, Ceferino S. SINSIOCO and Rudy H. TAN, 1973. Sampling Design and Procedures. 53 pp. (TD/LN/56)
- 5                    FRANK LYNCH, S.J., 1979. How to make a Social-survey Interview Schedule : Instructions for Beginners. 61 pp. (TD/LN/83)
- EXT/88/Inf. 1      General Information and Dormitory Regulations for the Participants in the Ninth Regional Training Course for Fishery Extension Officers in Socio-economics of Small-scale Fisheries, 17 October to 30 November 1988.

### Results of Evaluation

1. What were your expectations of this training course?

- 1) To gain knowledge and skill in small-scale fisheries management
- 2) To know how to conduct a socio-economic survey : questionnaire design, analysis and interpretation
- 3) To learn more on extension methodology : developing the skill, attitude of the fishermen as well as the development of communications media for extension work
- 4) To learn more on Fishery Cooperatives
- 5) To aquire some knowledge of small-scale fishing gear, coastal aquaculture and fish processing relating to the development of fisheries

2. To what extent did the training course meet your expectations?

Please rate:

excellent : 1	good : 13	satisfactory : 10
poor : 0	very poor : 0	

3. How did the course suit you? With regard to:

3.1 Training duration:

too short : 1	fair : 19
too long : 4	

3.2 Number of subjects:

too many	: 4	too few	: 1
fair	: 19		

3.3 Subject content is:

too brief	: 3	too long	: 2
appropriate	: 19		

3.4 Method of training:

need more theory	: 0	need more practice	: 17
efficient	: 7	inefficient	: 0

3.5 Other comments: e.g. training facilities, training venue, etc.

- 1) Training venue is too far from town (3)
- 2) Training facilities are good (4)

4. What were the most important subjects among the contents of the course? Please list:

- 1) Small-scale fisheries : Management, constraints and solutions
- 2) Extension methodology : Communications media in extension work, problem identification and planning of extension programs
- 3) Fishery cooperatives
- 4) Socio-economic surveys: Preparation of questionnaire for fishing community survey, analysis and presentation
- 5) Rural development

5. Are there any subjects not included that you would like to add?  
Please list:

Yes : 8

- 1) Fishing gear; design, operation and construction (3)
- 2) Skills development for extension workers (4)
- 3) Fishery oceanography (1)
- 4) Stock assessment (1)

No : 16

6. Are there any subjects in this course which you feel do not directly apply to your work or should be omitted? Please list:

Yes : 2

- 1) Artificial reef (Case study) (2)

No : 22

7. Please rate the overall content of the course:

excellent : 1	good : 17	satisfactory : 6
poor : 0	very poor : 0	

8. Are the instructors and resource persons sufficiently knowledgeable in their respective fields? Please rate:

excellent : 6	good : 14	satisfactory : 4
poor : 0	very poor : 0	

9. Are study trips to places related to fishery beneficial to you?  
If so, in what respect? If not, please comment?

Yes : 24

- 1) to know more about fishery organizations and fishing activities (2)
- 2) to know more about the fishermen's life, their problems and constraints (3)
- 3) the time is too short (1)
- 4) no comment (18)

No : 0

10. In your opinion, was the training course designed for:

- someone with your experience : 17
- someone with less experience than you : 4
- someone with more experience than you : 4
- others : 0

11. Would you recommend your colleagues to attend this training course?

Yes : 23

No answer : 1

12. Back at home will you continue to work in the field of fishery extension?

Yes : 22

No : 2

13. If not, in what field are you expecting to work?

- 1) Fisheries Assistant in statistics section (1)
- 2) Fishery regulatory division (1)

14. How would you rate the relationship between the instructors, resource persons and participants?

excellent : 5	good : 15	satisfactory : 4
poor : 0	very poor : 0	

15. Which part of the year (month) is most suitable for your home office to dispatch participants to take part in such a course abroad?

January - March : 4	April - June : 2
August - October : 2	October - December : 7
Any month : 9	No comment : 1

16. Comment on the life at the SEAFDEC Training Department, dormitory, etc.:

- 1) Very good (7)
- 2) Sport facilities are quite old and more are needed (2)
- 3) Food quality is not consistent (2)
- 4) Food is of a good standard (1)

17. Any suggestions for course improvement, e.g. need more detailed instructions or more lecture periods in a particular subject?

- 1) Need more lecture periods on socio-economic surveys (2)
- 2) Need more practice in questionnaire design and analysis of data collected (2)

- 3) Need more practice and a workshop in communications media in extension work (3)
- 4) Need more field trips (2)
- 5) The emphasis of the course should be placed on socio-economic surveys, extension services and methodology, communications media workshop and fishery management (2)
- 6) Need more discussion periods on extension methodology (1)
- 7) Need more lecture and discussion periods on rural development (2)
- 8) It would be better if there were some pre-tests and weekly evaluations (1)
- 9) It would be better if the daily allowance be increased (5)

Additional comments by participants during the discussion on 30 November 1989:

- 1) It would be better if there was an evaluation every week
- 2) It would be perfect if study tours were held on a weekday
- 3) Lunch breaks should be one and half hour
- 4) Stipend is quite small.