Training for sustainable aquaculture in Cantho region and Hau Giang province: Results and experiences of a Hungarian ODA project

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Hungarian International Development Cooperation Program

“Training for the development of environmental-friendly aquaculture in the Mekong Delta of Vietnam”
Project No. NEFE/225

2004: AKVAPARK Association (Szarvas, Hungary) submitted a project proposal for the first NEFE call announced for NGOs
2005: The proposal was approved by the Ministry of Foreign Affairs

Time frame:
Project duration: 14 months
Starting date: 30 November 2005
Closing date: 31 January 2007 (extended to 28 February 2007)

Budget frame:
Financial support from the Hungarian Ministry of Foreign Affairs: 47,344 USD
Own contribution of Akvapark Association: 8,453 USD
Total: 55,797 USD

Vietnamese partner institution: Cantho University, Cantho City
“Training for the development of environmental-friendly aquaculture in the Mekong Delta of Vietnam” - NEFE/225

**Long term objective**
Increasing the sustainability of aquaculture in the Mekong Delta of Vietnam

**Short term objectives**
- Improvement the conditions of aquaculture extension and farmers training
- Organisation of training programs for extension officers and farmers

**Expected outputs**
- 16 extension officers with improved knowledge
- 200 farmers (including 50 women) with improved knowledge
- improved teaching curriculum on sustainable aquaculture
- multimedia-based teaching material for extension officers and farmers
- improved collaboration between Cantho University and Extension Services
1. Preparation of written and audio-visual training materials

1.1. Training material for extension officers in English

1.2. Training materials for extension officers in Can Tho City and Hau Giang province in Vietnamese

1.3. Training materials for advanced farmers and extension officers at village level in Can Tho City and Hau Giang province in Vietnamese

1.4. PowerPoint presentations in English and Vietnamese

1.5. Multimedia training material in English and Vietnamese
2. Organization of training programs

2.1. Training program for Vietnamese aquaculture experts in Hungary

2.2. Training program for extension officers in Can Tho City and Hau Giang province.

2.3. Training program for advanced farmers and extension officers at village level in Can Tho City and Hau Giang province.

2.4. Evaluation/closing workshop in Cantho City
Training material for extension officers in English

"Training for the development of environment-friendly aquaculture in the Mekong Delta of Vietnam"

Hungarian International Development Cooperation Program
(Project No. NEFE/225)

Principles for Responsible Freshwater Pond Fish Farming

*Training material for extension officers*

Akvapark Association, Szarvas, Hungary
Cantho University, Cantho City, Vietnam
July-August 2006
“Khoa tập huấn về phát triển các mô hình nuôi thủy sản thân thiện với môi trường vùng Đồng Bằng Sông Cửu Long”

Chương trình hợp tác phát triển quốc tế Hungary
(Dự án số NEFE/225)

Những nguyên lý thực hành nuôi cá ao nước ngọt

Tài liệu tập huấn cho cán bộ khuyến ngư

Aquapark Association, Szarvas, Hungary
Trường Đại học Cần Thơ, Thành phố Cần Thơ, Việt nam
Training materials for advanced farmers

TRƯỞNG ĐẠI HỌC CẦN THƠ
KHOA THỦY SẢN
BỘ MÔN KỸ THUẬT NUÔI THỦY SẢN NƯỚC NGỌT

Tài liệu tập huấn

(DỰ ÁN NEFE/225 HUNGARY - ĐẠI HỌC CẦN THƠ)

NGUYỄN LÝ VĂN HÀNH CÁC MÔ HÌNH NUÔI THỦY SẢN CO TRÁCH NHIỆM & PHÁT TRIỂN BỀN VỮNG

Năm 2006
DEVELOPMENT OF ENVIRONMENT-FRIENDLY AQUACULTURE IN THE MEKONG DELTA OF VIETNAM

Project supported by the Hungarian International Development Assistance Program
Project No. NEFE/225
Dates of training programs organized

1. Training program for three Vietnamese leading aquaculture experts in Hungary between 12-31 July 2006

2. Training programs in Can Tho City and Hau Giang province for extension officers of district and province levels between 4-12 August 2006

3. Training programs in Can Tho City and Hau Giang province for extension officers and advanced farmers of village level between 6-17 November 2006
Contents of training program organized in Can Tho and Hau Giang for extension officers of district and province levels

<table>
<thead>
<tr>
<th>Time</th>
<th>Training topics</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st 9-10 am</td>
<td>Aquaculture systems in the Mekong Delta</td>
<td>Dr. D.N. Long</td>
</tr>
<tr>
<td>10.15-11.30</td>
<td>Principles and criteria for responsible freshwater pond fish farming (Part 1)</td>
<td>Dr. Ferenc Pekar</td>
</tr>
<tr>
<td>13.30-14.30pm</td>
<td>Principles and criteria for responsible freshwater pond fish farming (Part 2)</td>
<td>Dr. Ferenc Pekar</td>
</tr>
<tr>
<td>14.50-15.50</td>
<td>National and international regulations (Part 1)</td>
<td>Dr. Laszlo Varadi</td>
</tr>
<tr>
<td>2nd 9-10 am</td>
<td>National and international regulations (Part 2)</td>
<td>Dr. Laszlo Varadi</td>
</tr>
<tr>
<td>10.15-11.30</td>
<td>Examples for environmental-friendly aquaculture systems and technologies (Part 1)</td>
<td>Dr. Ferenc Pekar</td>
</tr>
<tr>
<td>13.30-14.30pm</td>
<td>Examples for environmental-friendly aquaculture systems and technologies (Part 2)</td>
<td>Dr. Ferenc Pekar</td>
</tr>
<tr>
<td>14.50-15.50</td>
<td>Discussion</td>
<td>Dr. D.N. Long</td>
</tr>
</tbody>
</table>
## Contents of training program organized in Can Tho and Hau Giang for advanced farmers

<table>
<thead>
<tr>
<th>Time</th>
<th>Training topics</th>
<th>Lecturers</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 – 9 am</td>
<td>National aquaculture and fisheries regulations and policies</td>
<td>Mr. Tran Thanh Hai and Dang Ngoc Giao</td>
</tr>
<tr>
<td>9 – 11.30</td>
<td>Water quality management in environmental-friendly aquaculture systems in the Mekong Delta</td>
<td>Dr. Truong Quoc Phu</td>
</tr>
<tr>
<td>13–15.30 pm</td>
<td>Principles and criteria for responsible freshwater aquaculture systems in the Mekong Delta</td>
<td>Dr. Duong Nhut Long</td>
</tr>
<tr>
<td>15.30–16.30</td>
<td>Discussion</td>
<td>Dr. D.N. Long, Mr. Giao and Mr. Hai.</td>
</tr>
</tbody>
</table>
Number of extension officers and farmers attended the training courses

Extension officers: 50 persons trained
(16 proposed)

Farmers: 485 persons trained
(200 proposed)
- including 110 women farmers
  instead of the proposed 50
Some conclusions from the discussions of extension officers and advanced farmers

There is a need to organize more short training courses for improving farmers technical-social knowledge, especially for women farmers, in Can Tho City and Hau Giang province. (1)
Needs for setting-up semi-intensive or intensive culture models and integrated-rotational culture systems for farmers to study the necessary technical steps of GAP (Good Aquaculture Practice) or SQF 1.000 (Safe Quality Food 1.000). (2)
Fish disease and environmental effects are still the major problems of Pangasius catfish, Snake head and Anabas intensive culture systems. There is a need to find out the best way (through conducting on-farm trials) to help fish farmers for improving fish production in the Mekong Delta. (3)
Increasing net return of farmers with meeting of the requirements of environmental-friendly aquaculture is also an important issue for the future development of rural areas in the Mekong Delta of Vietnam. (4)
Suggestions for a follow-up project of the Hungarian ODA project in the Mekong Delta

To organize further training courses for the development of environmental-friendly aquaculture systems in other freshwater areas of the Mekong Delta, such as Đồng Tháp, An Giang, Vĩnh Long, Soc Trang and Ben Tre provinces. (1)
Based on the main results of the project, beside the technical knowledge that was transferred during the training courses, there is also a need to conduct on-farm trials for farmers to learn how to design and manage the effluent from intensive culture systems in Hau Giang province and Can Tho City. (2)
THANK YOU FOR YOUR ATTENTION!