

**5th Vietnamese-Hungarian Conference on Animal Production and Aquaculture
Cantho City, Vietnam, 12-16 August 2007**

**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

RESULTS OF THE PROJECT (1)

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

RESULTS OF THE PROJECT (2)

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**

Training materials for extension officers in Can Tho

“Khoá 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

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

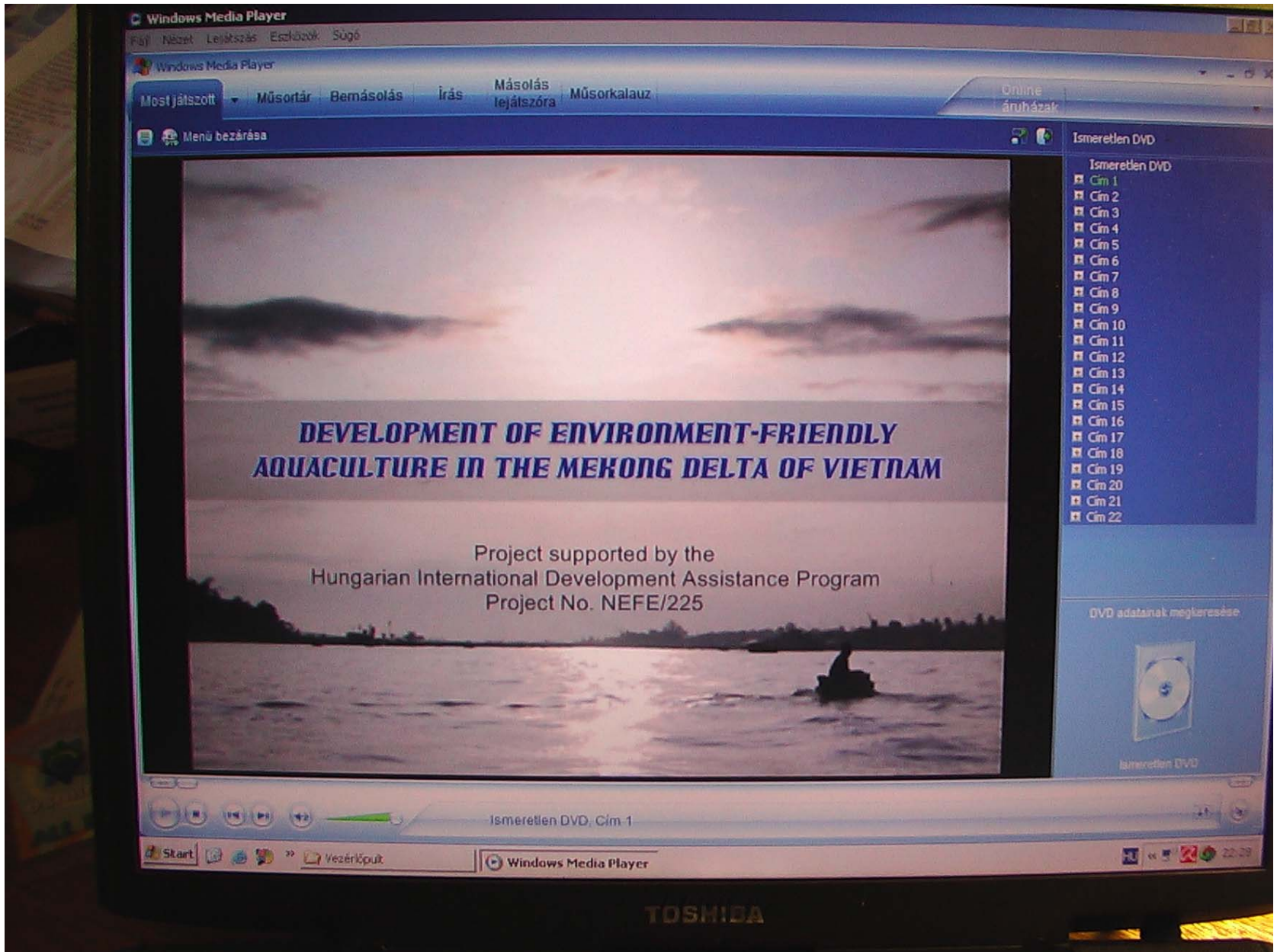
Tài liệu tập huấn

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

NGUYÊN LÝ VẬN HÀNH CÁC MÔ HÌNH NUÔI THỦY SẢN CÓ TRÁCH NHIỆM & PHÁT TRIỂN BỀN VỮNG

Năm 2006

Multimedia training material prepared on DVD



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

Time	Training topics	Lecturers
1 st 9-10 am	Aquaculture systems in the Mekong Delta	Dr. D.N. Long
10.15-11.30	Principles and criteria for responsible freshwater pond fish farming (Part 1)	Dr. Ferenc Pekar
13.30-14.30pm	Principles and criteria for responsible freshwater pond fish farming (Part 2)	Dr. Ferenc Pekar
14.50-15.50	National and international regulations (Part 1)	Dr. Laszlo Varadi
2 nd 9-10 am	National and international regulations (Part 2)	Dr. Laszlo Varadi
10.15-11.30	Examples for environmental-friendly aquaculture systems and technologies (Part 1)	Dr. Ferenc Pekar
13.30-14.30pm	Examples for environmental-friendly aquaculture systems and technologies (Part 2)	Dr. Ferenc Pekar
14.50-15.50	Discussion	Dr. D.N. Long

Contents of training program organized in Can Tho and Hau Giang for advanced farmers

Time	Training topics	Lecturers
8 – 9 am	National aquaculture and fisheries regulations and policies	Mr. Tran Thanh Hai and Dang Ngoc Giao
9 – 11.30	Water quality management in environmental-friendly aquaculture systems in the Mekong Delta	Dr. Truong Quoc Phu
13–15.30 pm	Principles and criteria for responsible freshwater aquaculture systems in the Mekong Delta	Dr. Duong Nhut Long
15.30–16.30	Discussion	Dr. D.N. Long, Mr. Giao and Mr. Hai.

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 !

