

4-4. Capacity Building in ASEAN region

4-4-1. Capacity Building related to the Use of Satellite Information

(1) Objectives

The purpose of this project is to improve the skills and knowledge of administrative personnel in charge of disaster mitigation and disaster risk management so they can effectively use satellite images and data.

(2) Outline

This capacity-building program will include seminars, workshops, and training sessions. It will target the ASEAN-8, excluding Malaysia and Singapore, and will consist of the following:

- 1) A survey of users' needs regarding the content of the seminar and training content.
- 2) A one-day seminar in each target country
- 3) A five-day training course in each target country
- 4) A regional workshop

(3) Progress

This project is being implemented in cooperation with Asian Institute of Technology (AIT in Bangkok, Thailand).

This year, the seminar/training was conducted in five countries.

- 1) Lao PDR (Vientiane) : July 2010
- 2) Thailand (Bangkok) : August 2010
- 3) Philippines (Manila) : August 2010
- 4) Myanmar (Naypyidaw) : September 2010
- 5) Cambodia (Phnom Penh) : October 2010



Fig.4-4-1-1 Five-day Training (Lao PDR)



Fig.4-4-1-2 Five-day Training (Thailand)



Fig.4-4-1-3 Five-day Training (Myanmar)



Fig.4-4-1-4 Five-day Training (Philippines)

4-4-2. Development of a Web-Based and GLIDE-Associated Disaster Database

(1) Objectives

There are many good reasons to develop and maintain disaster databases. Keeping track of details regarding the losses and damage caused by disasters is useful not only for monitoring the effectiveness of risk reduction measures, but also for gaining a better understanding of risk trends and patterns. Disaster damage and loss data are essential for conducting accurate risk assessments, and provide evidence-based knowledge that is crucial for justifying investments in disaster reduction efforts, prioritizing disaster reduction activities, and measuring the real impact of disasters on development.

The objectives of this project are (1) to organize and assemble past disaster data and to further develop web-based disaster databases using GLIDE (GLObal Unique Disaster IDentifier) numbers, (2) to integrate disaster database compilation practices by incorporating GLIDE numbers into national and regional disaster databases in the ASEAN region, and (3) to build regional capacities for disaster risk reduction.

(2) Outline

ADRC launched this project in 2008 with the Philippines, Thailand and Lao PDR, and plans to cover all 10 ASEAN member countries within three years. To provide lessons on how GLIDE works and to enable all ASEAN countries to develop their own disaster databases using GLIDE numbers, ADRC has invited national government officials in charge of disaster information in the ASEAN countries to come to Kobe to participate in a two-month training program.

(3) Progress

Three government officials from Indonesia, Myanmar and Cambodia were hosted by the ADRC from October to the middle of December 2010 in Japan. During their stay in Kobe and

Tokyo, these officials heard lectures on the GLIDE system and practiced using GLIDE numbers by entering disaster records from their own countries into a template prepared by ADRC. They also studied disaster management activities in Japan. They visited national and local governmental offices involved in disaster management, as well as museums, universities, and private companies.

4-4-3. Capacity Building Project for Local Government Officials

(1) Objectives

Local government officials play pivotal roles in every stage of the disaster management cycle, including preparedness, emergency response, rescue & recovery, and disaster mitigation. However, they have limited opportunities to receive relevant training. This project aims to provide local government officials with opportunities to learn about disasters, disaster management, and technologies for strengthening their capacity to cope with disasters, as well as to develop bases for conducting ongoing disaster risk reduction training in the ASEAN countries in the future.

(2) Outline

This project consists of three components:

- 1) Development of an ongoing training system for local government officials,
- 2) Development of training materials and modules based on the disaster characteristics and training needs of each country, and
- 3) The organization of workshops for local government officials.

The Asian Disaster Reduction Center (ADRC) and national disaster management organization (NDMO) in each country work together on developing training modules and materials, choosing experts based on disaster risks and training priorities of each country. Then the "training of trainers" (TOT) sessions are conducted using the materials developed. The TOT participants will then lead workshops for local government officials. In each country, three batches of workshop are conducted by inviting 30 local officials, and namely 90 officials in total are trained by the workshops..

The project has been progressing in three groups divided by the starting year as follows.

- 1st year group (FY 2008): Cambodia, Lao PDR, Vietnam
- 2nd year group (FY 2009): Brunei Darussalam, Malaysia, the Philippines, Thailand
- 3rd year group (FY 2010): Indonesia, Myanmar, Singapore

(3) Progress

In fiscal year 2010, activities were conducted by the second year group (Brunei, Malaysia,

the Philippines and Thailand) and the third year group (Indonesia, Myanmar and Singapore).

All countries have developed training modules and materials, and conducted TOT, excluding Indonesia, in which schedule is being discussed,. In the first year group (Cambodia, Lao PDR and Vietnam), and the second year group (Brunei, the Philippines and Thailand) have already conducted local workshops. The activities in remaining countries will be completed in order.

Table 4-4-3-1 Progress in Each Country in FY2010

Country	Training of Trainers (TOT)	Local Officials Workshop
Brunei	(Conducted in FY2009)	March - June 2010
Malaysia	September 2010	(TBC)
The Philippines	(Conducted in FY2009)	September - October 2010
Thailand	(Conducted in FY2009)	July - August 2010
Indonesia	(TBC)	(TBC)
Myanmar	March 2011	(TBC)
Singapore	June 2010	(TBC)



Fig.4-4-3 Activities in Each Country (Clockwise from top left, Brunei, Malaysia, the Philippines, Thailand, Myanmar and Singapore)

4-4-4. Promotion of Disaster Education in Schools

(1) Outline

ADRC has been training the teachers and developing disaster education materials including student's textbook and teacher's manual for better disaster education in schools. After training the teachers, the pilot classes and the seminars will be held with the education material and teacher's manual tailored to the cultural context of each participating country.

(2) Progress

From 10th to 11th March 2011, a workshop for the Training of Teachers (TOT) for "Promotion of Disaster Education of Schools" was held in Vientiane, Lao PDR. It was organized jointly by the Ministry of Education, the National Disaster Management Office (NDMO) and the Asian Disaster Reduction Center (ADRC). More than thirty teachers of primary and secondary school attended this two-day workshop.

First, participants took lectures about "Disaster Management of Lao PDR" from National Disaster Management Office (NDMO), Ministry of Labour and Social Welfare. Then "Disaster Education in Lao PDR" was introduced from the Ministry of Education.

In this training, Dr. Goto, a senior researcher of National Institute for Educational Policy Research, also gave a lecture titled "Latest Situation of Disaster Education in Japan" including earthquake model exercise. Participants actively participated in the workshop.

As a result of discussion, a pilot lesson and a seminar will be held at an elementary school and a junior high school in Vientiane.



Fig. 4-4-4-1 Training of Teachers (Laos)



Fig. 4-4-4-2 Training of Teachers (Laos)