

Asian Conference on Disaster Reduction (ACDR) 2011

Session 2: Report on ADRC's Activities

Capacity building courses

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Contents

- **Program for Inviting Visiting Researchers from Member Countries**
- **Urban search and Rescue Training in Singapore**
- **Capacity Building in ASEAN Region**
 - ASEAN-JAIF Capacity Building Project

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Background



- The ADRC has been receiving Visiting Researchers from member countries **since 1999**. To date, **55 officials** from member countries have taken part in this program.
- Every visiting researcher has learnt about the Japan's advanced knowledge and technology on disaster risk reduction and international cooperation of Japan in his/her stay in the ADRC.
- The Visiting Researchers are expected not only to contribute to strengthening the capacity on Disaster Risk Reduction (DRR) in their countries, but also to further promote cooperation between their countries and the ADRC. After finishing the program, they are expected to contribute to developing and improving the capacity on DRR in their countries.



Activities of Visiting Researchers in FY2010

- In fiscal year 2010, the following 8 researchers have joined the program (2 researchers in the first half year and 6 researchers in the latter half year)
 - *Mr. Chinthaka D. HEMACHANDRA (Sri Lanka)*
 - *Ms. Carmelita A. LAVERINTO (Philippines)*

 - *Mr. Ara Ghonyan (Armenia)*
 - *Ms. A.M.J.D.K Mudalige (Sri Lanka)*
 - *Ms. Amornthip PAKSUCHON (Thailand)*
 - *Ms. Maiya Kadel (Nepal)*
 - *Mr. Mohiuddin Ahmed KHAN (Bangladesh)*
 - *Mr. Baasansuren DEMBERELYNAM (Mongolia)*



FY2011 A Visiting Researchers (From July 2011)

- In fiscal year 2011, the following 4 researchers will join the program in the first half year
 - *Mr. Emin NAZAROV (Azerbaijan)*
 - *Ms. Surina Binti (Malaysia)*
 - *Ms. Anna-lisa Dummaguing ORALLO (Philippines)*
 - *Mr. Sisra WANNINAYAKE (Sri Lanka)*

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Urban Search and Rescue Training in Singapore

(ADRC financially supports the participation of member countries' officials)

ADRC provides member countries with opportunities to participate in the “**International Urban Search and Rescue Course**” which has been conducted by the Civil Defense Academy (CDA) of the Singapore Civil Defense Force (SCDF) since 2001.

Participants list in past

FY2001 (3) – Philippines, Myanmar, and Korea
FY2002 (5) - Cambodia, Laos, Mongolia, Philippines, and Vietnam
FY2003 (9) - Cambodia, Malaysiax2, Myanmar, Sri-Lanka, Thailandx2, and Philippinex2
FY2004 (4) - Armenia, China, Nepal, Philippines
FY2005 (4) - Korea, Pakistan, PNG, Russia
FY2006 (8) - Laos, Malaysiax2, Pakistan, Philippinesx2, PNG, and Vietnam
FY2007 (4) - Bangladesh, Korea, Nepal, Philippines
FY2008 (4) - Bhutan, Thailand, Kazakhstan, Mongolia
FY2009 (2) - Armenia, Sri Lanka
FY2010 (3) - Bhutan, Mongolia, Maldives



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Background of the Project

ADRC submitted a proposal under the framework of Japan-ASEAN Integration Fund (JAIF) to ASEAN Secretariat in May 2006 and it was approved in March 2008. The proposal includes 4 components:

1. Developing Teaching Materials and Training Teachers for **Disaster Education** Promotion (launched in April, 2008)
2. Capacity Building on Disaster Management for **Local Officers** (launched in Mar. 2008)
3. Development of Web-based and **GLIDE-associated Disaster Event Database** (launched in Mar. 2008)
4. **Utilization of Satellite Image** on Disaster Management (launched in Mar. 2008)

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1. Disaster **Education**



Program

- Developing **teaching materials and teachers' guidelines** to be developed by tailoring with each country's context.



- Materials and guidelines will be **developed in the official languages** in each beneficiary country.



Progress & Schedule

Indonesia:

Kick-off Meeting, finished.

Training of Trainers (TOT), Pilot Class & Seminar finished.



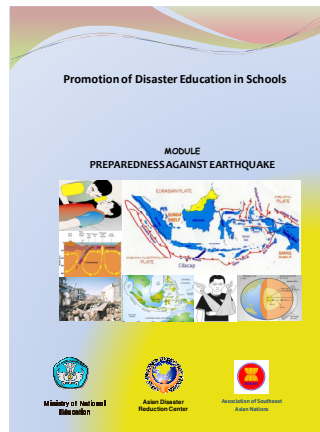
Pilot Class and Evacuation Drill in Indonesia



Progress & Schedule

Teaching Material for Teacher:

- Module 1
Disaster and Its Causes/Factors
- Module 2
Earthquake and Its Impact
- Module 3
Making Evacuation Map
- Module 4
Preparedness against Earthquake



Progress & Schedule

Lao PDR:

Kick-off Meeting, finished.

Training of Trainers (TOT) finished.



Training of Trainers (TOT) in Lao PDR



Progress & Schedule

- **Philippines:**
 - Kick-off Meeting**, finished.
 - Training of Trainers (TOT)**, in Preparation.
 - Task Team**, set up.
- **Thailand:**
 - Kick-off Meeting**, finished.
 - Training of Trainers (TOT)**, in Preparation.



Kick-off Meeting in Thailand

2. Training for **Local Officers**



Project Overview (1/2)

Objectives

- 1) To establish sustainable disaster management training system for local government officials
- 2) To build the capacity of the local government officials on disaster management based on the training modules using tailored materials

Activities

- 1) Developing training materials both in English and **local languages**
- 2) Training of trainers (ToT) for local officers
- 3) Training of local government officials
- 4) 3 local workshops with a total of 90 local officials in each ASEAN country



Project Overview (2/2)

Target Countries

All ASEAN member countries

Schedule

1st Year Group: Aug. 2008 – Mar. 2010

Cambodia, Lao PDR and Vietnam

2nd Year Group: May. 2009 – Dec. 2010

Brunei, Malaysia, Philippines and Thailand

3rd Year Group: May 2010 – Dec. 2011

Indonesia, Myanmar and Singapore

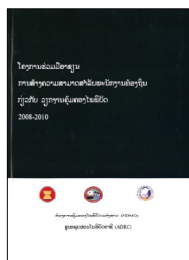
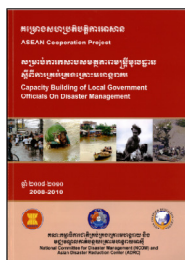


Progress (1/3)

1st Year Group:

Cambodia, Lao PDR, Vietnam

Kick-off meetings were held in Oct. and Nov., 2008.
 Training of Trainers (TOT) was conducted in June 2009.
 Local workshops were held through Dec. 2009 to Mar. 2010.



Progress (2/3)

2st Year Group:

Brunei, Malaysia, Philippines, Thailand

Kick-off meetings were held through Apr. to May 2009.
 Training of Trainers (TOT) was conducted through Nov. 2009 to Mar. 2010.
 Local workshops were held through July to Oct. 2010, except for Brunei.





Progress (3/3)

3rd Year Group:

Indonesia, Myanmar, Singapore

Kick-off meetings were held through Apr. to July 2010.

Training of Trainers (TOT) was conducted in Apr. 2010 for Singapore and in March 2011 for Myanmar.

Local workshops are to be decided.

3. Disaster Database with GLIDE (GLobal unique disaster IDentifier)

Development of web-based GLIDE associated disaster databases

- ▣ To organize and assemble the past disaster data to build up the web-based disaster database associated with GLIDE and to use disaster database for DRR
- ▣ To harmonize practices of disaster database system by incorporating GLIDE numbers into the national and regional disaster database in ASEAN region
- ▣ To enhance capacity building for DRR during the project

Activities

Invite government officials in charge of disaster information from ASEAN countries

- ◆ Develop GLIDE-associated Disaster Database
- ◆ Introduce Disaster Management System in Japan

2008

Lao PDR: Ministry of Labour and Social Welfare
Philippines: Office of Civil Defense
Thailand: Department of Disaster Prevention and Mitigation

2009

Malaysia: Malaysian Meteorological Department
Singapore : Singapore Civil Defence Force Control Room
Viet Nam: Department of Dyke Management and Flood Storm Control

2010

Cambodia: National Committee for Disaster Management
Indonesia: National Agency for Disaster Management (BNPB)
Myanmar: Relief and Resettlement Department

2011

Brunei : National Disaster Management Centre

4. Utilization of Satellite Image



Utilization of Space Based Technologies for Disaster Risk Management

The purpose of the project is to build individual and institutional capacity. In particular, it intends to:

- **Improve technical knowledge of using satellite images**
- **Demonstrate the potential of space technologies (Remote Sensing/GPS/GIS) for management and reduction of risks due to natural disasters**

Modules to Achieve the Goal

Module 1

Need Survey in Each Country

Module 2

Development of Educational Materials

Module 3

1-day Seminar to raise awareness among decision & policy makers about the use of space technologies for various disasters.

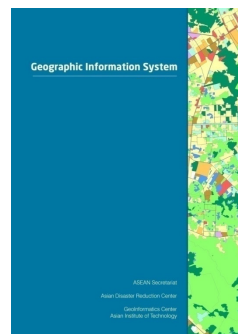
Module 4

Carry Out 5-day Technical Trainings Locally.

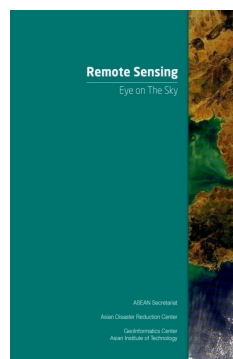
Module 5

Conduct Regional Workshops to share the gained knowledge and networking

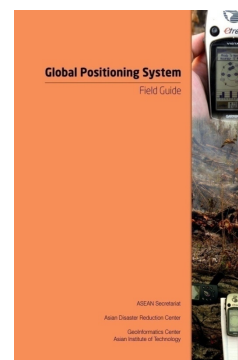
Educational Materials GIS/RS/GPS



GIS:
Geographical Information System



RS:
Remote Sensing



GPS:
Global Positioning System

Seminar and Training Program



The Case Studies in The Training Programs

Floods: Lao PDR, Philippines, Thailand, Vietnam,
Brunei Darussalam

Drought: Cambodia

Cyclone: Myanmar

Tsunami: Indonesia



1st Regional Workshop in AIT, Bangkok, Thailand in Feb 2011



Points of Discussion in 1st Regional Workshop

- 1. Closer linkage between space organizations as a provider and disaster management organizations as a user:**
- 2. Make better use of satellite information and further develop expertise and technologies**
e.g. modeling and forecasting, risk assessment and mapping, down-scaling, damage assessment, training
- 3. The use of ICTs other than satellite technologies to strengthen disaster management capacity**
e.g. Early warning, Communication through satellite between disaster affected areas and DMs in the capital
- 4. Mutual learning among countries through regional mechanism**
- 5. Future activities to fill the above gaps, the next regional workshop and beyond**

The result was presented at the 22th meeting of ASEAN Sub-committee of Space Technology and Applications (SCOSA) .

Thank You For Your Attention