


Regional cooperation to decrease disaster risks and enhance resilience in Asia

Asian Disaster Reduction Center

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International cooperation for disaster reduction

1990's	International Decade for Natural Disaster Reduction (IDNDR)
1994	World Conference on Natural Disaster Reduction (Yokohama) - "Yokohama strategy" called upon establishing or strengthening of sub-regional or regional centers for disaster reduction and prevention
1995	 The Great Hanshin-Awaji EQ
1998	Establishment of Asian Disaster Reduction Center
2000	International Strategy for Disaster Reduction (ISDR) launched
2004	 Indian Ocean Tsunami
2005	World Conference on Disaster Reduction in Hyogo - Adopted " Hyogo Framework for Action 2005-2015 (HFA) " - Established "International Recovery Platform"

1995 Great Hanshin-Awaji Earthquake

- ✓ Directly hit Kobe, and surroundings where more than three million people lived and administrative, economic and social functions concentrated.
- ✓ Paralyzed information / communication and transport system, lack of on-site information delayed first response
- ✓ No preparation for an island earthquake by active fault
- ✓ Buildings insufficient to withstand such an earthquake



A hub of disaster-related activities



Institutions

ADRC, APN, DRI, EDM, EMECS, Hyogo Emergency Medical Center, IGES, Japanese Red Cross, JICA, UNISDR, UNOCHA, UNCRD, WHO

Asian Disaster Reduction Center (ADRC) established in 1998



ADRC 29 Member Countries



アジア防災センターの活動内容

1. Information (knowledge) Sharing on DRR
2. Capacity Development
3. Technical Cooperation



Asian Conference on Disaster Reduction (ACDR)



ACDR2010, Kobe, Japan

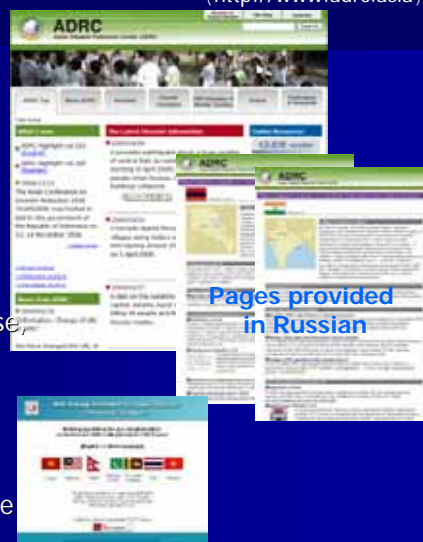
- Purpose: to report progress on and discuss the efforts for DRR among Member Countries
- Period: June 2011 / Place: Sri Lanka (to be confirmed)
- Participants: delegates from Member countries, UN & International Organizations, NGOs, academic institutions

Dissemination of disaster-related information (1)

Online Database

- Constantly Updated
- A wide range of information
 - The latest disaster information
 - Disaster management systems in member countries
 - On-going projects and activities
- Online Multilingual Glossary
 - Chinese, English, French, Japanese, Korean and Spanish
- ** Multi-language Dictionaries
 - Provisional and abridged version
 - Russian, Malay, Nepalese, Urdu, Sinhalese (new), Thai, Vietnamese and Arabic (new)

ADRC website
(<http://www.adrc.asia>)



Dissemination of disaster-related information (2)

Annual Publications

- Good Practices
- Databook on disasters
- Annual report

Other Publications & Reports

- Applications of DRR Tools: Sharing Asian Experiences
- DRR Policy Peer Review Report
- Preliminary report of the field survey of Sumatra Earthquake

Monthly Newsletter "ADRC Highlights"

- Written in English, Japanese and Russian and delivered by email
- Download from our website or subscribe by sending email to editor@adrc.asia



Global Unique Disaster Identifier Number (GLIDE)

a globally common, unique identification scheme for disaster events

Purpose: To facilitate users to easily access to necessary information on natural disasters through GLIDE

Recent Activities:

- Promoting the utilization of GLIDE in DRR communities
- Training courses for government officials of ASEAN countries
- Managing GLIDE training web-site



Hazard Code Serial Number
TS-2004-000147-IDN
 Year ISO Country Code

Visiting Researchers from Member Countries

Outline: The first term (January-June) and the second term (July-December)

To invite 8 Officers in charge of Disaster Management from member countries in total

Basically 4-month stay

Results : 47 Visiting Researches from 23 countries (FY1999-FY2009)

Objectives : (1) To learn the Disaster Management in Japan and other countries

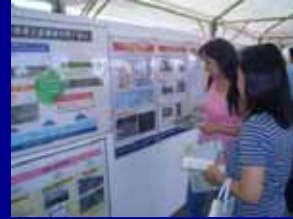
(2) To enhance human network among Asian Countries



Lecture of disaster countermeasures at Electric Power Company



Field survey in Earthquake affected area



Field trip to tsunami disaster management drill

Training Courses in Japan

Present Courses (in collaboration with JICA):

- 1) Comprehensive Disaster Risk Management
- 2) Disaster Management Training Course for Central Asia and Caucasus
- 3) Dissemination and Establishment of Disaster Prevention Culture for Asian Countries
- 4) Seismic Disaster Prevention Plan for China

Time Frame: Three weeks to Seven Weeks



Visiting Flooded area at Sayo-cho, Hyogo Pref.



Experiment of Volcanic Ash with Kitchen Material



Huge Earthquake Experience, Tokyo

Seminars, Training & Workshops in Member Countries

- 1) Project on Transfer of Disaster management Measures of Japan to Enhance National Capacity in Asia



Emergency Material Distribution System Training in Philippine



Disaster Risk Management Workshop in Tajikistan



Flood Hazard Map Training in Viet Nam

- 2) Urban Search and Rescue Training in Singapore (ADRC financially supports the participation of member countries' officials)



Capacity Building in ASEAN

- 1) Development of Web-based and GLIDE-associated Disaster Database;
- 2) Promotion of Satellite Imagery Application to Disaster Management;
- 3) Promotion of Disaster Education in Schools; and
- 4) Capacity Building of Local Government Officials on Disaster Management.



In Viet Nam in March 2010



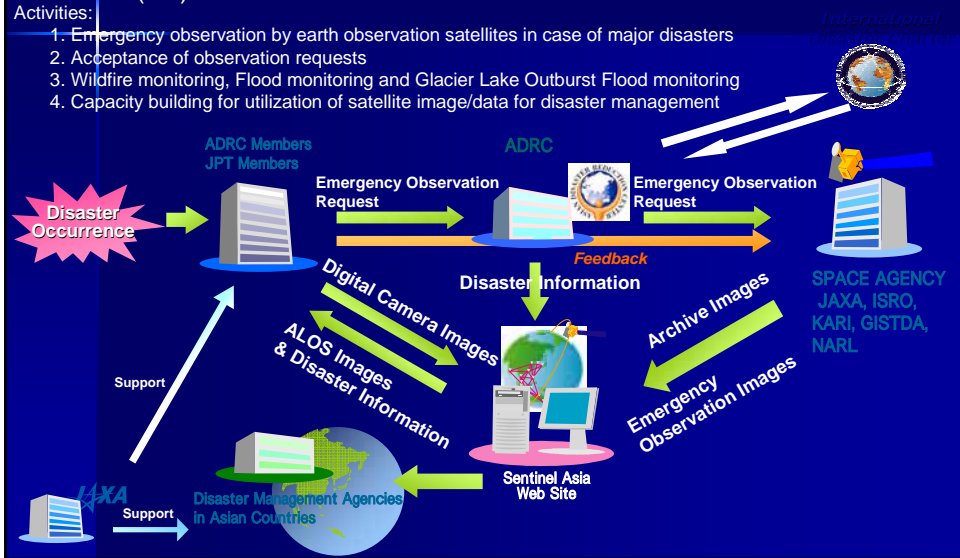
In Jakarta on 26 March 2010

Application of space-based technologies to DRR

To implement emergency disaster observation through Sentinel Asia (SA) and International Disaster Charter

Activities:

1. Emergency observation by earth observation satellites in case of major disasters
2. Acceptance of observation requests
3. Wildfire monitoring, Flood monitoring and Glacier Lake Outburst Flood monitoring
4. Capacity building for utilization of satellite image/data for disaster management



Example of emergency observation by Sentinel Asia

- Flood in Indonesia March 21 2010.



<http://sentinel.tksc.jaxa.jp/>

- Flood in Sri Lanka May 14 2010.



<http://sentinel.tksc.jaxa.jp/>

Application of space-based technologies to DRR

To function as UNSPIDER (United Nations Platform for Space-based Information for Disaster Management and Emergency Response) Regional Support Office



Technical Cooperation

Glacial Lake Outburst Flood (GLOF) Project

Objectives:

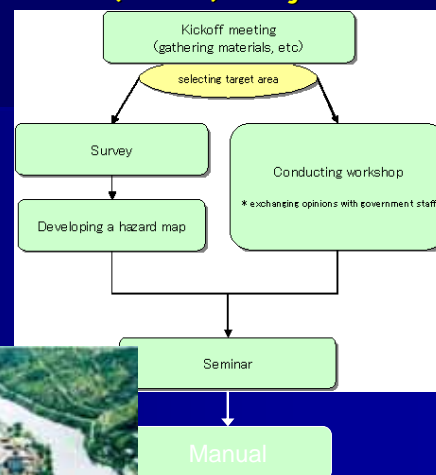
- To develop hazard map of GLOF for establishing disaster risk management plan.
- To develop technical manual for making disaster risk management plan in each high risk area of GLOF.

Pilot Country:

- Bhutan (2009-2011)

Activities in FY2010

- Kick-off meeting
- Gathering information
- Field survey
- developing method for hazard map



Damaged area in Punaka city

**ADRC promotes disaster reduction through
multi-national/multi-stakeholder/multi-lateral
cooperation in the Asian region**



<http://www.adrc.or.jp>

Thank You For Your Attention