Promoting Disaster Reduction through Multi-National Cooperation in Asia region

ADRC Activities

Jun 2009

Asian Disaster Reduction Center (ADRC)
Overview of ADRC (as of April 2009)

- Type: International Organization
- Objectives: To facilitate multi-national cooperation for disaster reduction in the Asian region
- Establishment: July 1998
- Location: Kobe, Hyogo, Japan
- Member: 27 member countries, 5 advisor countries, one observer organization
- Operation: ADRC is operated based on the ADRC Articles adopted at the 5th Steering Committee Meeting in January 2003.
- Annual Income: 317 million yen (FY2007), consisting of membership fees and contracts with UN agencies, Government of Japan, Hyogo Prefectural Government, etc.

Chairman: Shigeru Itoh

Executive Director: Koji Suzuki

1 Senior Expert / 11 Senior Researchers / 5 Researchers
1 Research Associate / 2 Visiting Researchers / 6 Administrative Officers
27 Member Countries, 5 Advisor Countries, 1 Observer
1. Information Sharing

(Organizing International Meetings & Seminars, Disaster Information, Publications, Development of Tools, such as GLDE)

2. Human Resource Development

(Seminars & Trainings, VR Programs, Developments of Tools such as TDRM)

3. Building Community Capabilities

(Development of CBHM & Town Watching Method, Tsunami Awareness Projects)
Asian Conference on Disaster Reduction (ACDR) 2008

- Report progress and discuss among Member Countries
- Period: 12 - 14 November 2008  
  Place: Bali, Indonesia
- Participants: 106 from 24 Countries, UN & International Organizations, NGO’s, academic institutions
- ACDR 2009 will be held in Kobe, Japan.

ACDR2008, Bali, Indonesia
Information Provided on Web-Site

- Latest disaster information
- Latest information of member countries
- Survey report etc.

ADRC website (http://www.adrc.asia)
Information Sharing through Publications

- Booklets and Videos
  - Natural Disaster Data Book
  - TDRM -Good Practices-
  - ADRC Member Country Profiles

- Newsletters
  ADRC Highlights
“ADRC proposed universal tool for effective sharing of existing disaster data sources”

Example: GLIDE (GLobal unique disaster IDEntifier)

- Tsunami Disaster in the Indian Ocean
- The Indian Ocean Earthquake and Tsunami
- Tsunami Disaster on December 26, 2004

Hazard Code: TS

Serial Number: 2004-000147

ISO Country Code: IDN

Visiting Researcher Program

Human Resource Development (1)

Outline: The first term (January-June) and the second term (July-December)
2 Officers in charge of Disaster Management from member countries
※ Basically 6-month stay but 3-month stay is also acceptable
Results: 40 Visiting Researches

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
ADRC developed the tool for capacity building at community level

**Objectives**

- To involve local residents in developing the hazard map for their community
- To reflect the opinions of local residents in policies made by their local government
- To promote common understanding of risks among local residents, government officials and experts
Community Based Hazard Mapping  
〜Effective tool for raising public awareness〜

○ Capacity Building at Community (2)

Step 1  
Field Survey  
Residents, Officers in Local Govt. and Experts survey the positive and negative features relating to the disaster risk by walking around in the town.

Step 2  
Develop a Map  
Visualize the observations and findings on the map. Enhance the awareness and cooperation through the task.

Step 3  
Discussion and Presentation  
What are the problems? Who is responsible? What are the countermeasures? Share the information.
Main Activities of Sentinel Asia

Sentinel Asia
Disaster Management Support System in the Asia-Pacific Region

Contact

Sentinel Asia Project Office

1. Asia Branch of the Disaster Management Support Systems Office (DMSSO)
   Satellite Applications and Promotion Center (SAPC)
   Japan Aerospace Exploration Agency (JAXA)
   B.B. Building 15thFlr. Room No. 1502, 54 Asoke Road, Sukhumvit 21, Bangkok 10110 Thailand
   +66-2259-4192 (ext. 12)
   +66-2260-7027
   sentinel.asia@jaxa.jp

2. Disaster Management Support Systems Office (DMSSO)
   Satellite Applications and Promotion Center (SAPC)
   Japan Aerospace Exploration Agency (JAXA)
   Daiichi Tekko Bld 5F, 1-8-2 Marunouchi, Chiyoda-ku, Tokyo, 100-0005 Japan
   +81-3-6259-8700
   +81-3-6259-8740
   sentinel.asia@jaxa.jp

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Emergency Observation

ADRC counterparts and JPT members

Request

Feedback

Images and Disaster information

ADRC

Yes? No?

If yes, Forward request

Feedback

Disaster Information

Sentinel Asia Server

Space Agencies

Observation planning

Disaster Observation

Remote-Sensing

Satellite images

ADRC: A member of JPT for development of Sentinel Asia
The gateway of emergency observation
Conducting follow up for data utilization
Engaged in capacity building
Example of utilization of satellite data from Sentinel Asia.

The flood of Koshi river, Nepal, 2008

http://www.dos.gov.np/
Example of the flood of Koshi river, Nepal, 2008

- Distribution target from Survey Department
  The Prime Ministers Office
  National Planning Commission
  Nepal Police
  Ministry of Home Affairs
  Ministry of Land Reform and Management
  The Red Cross

- Utilization of Flood map on Ministry of Home Affairs
  The victim's rescue
  Restoration plan of disaster area
  Supply of subsidy to victim
Current/Future activities of ADRC on application of satellite technology

- Emergency observation through Sentinel Asia
- Capacity building for utilization of satellite image data
- Utilization of satellite data for Glacier Lake Outburst Flood (GLOF)

http://www.geoinfo.ait.ac.th/adrc/
ADRC promotes disaster reduction through multi-national/multi-stakeholder/multi-lateral cooperation in the Asian region.

http://www.adrc.asia

Thank You For Your Attention