

welcome



Presentation



Conducted

by

ASIAN DISASTER REDUCTION CENTER

Visiting Researcher

from

Cambodia

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Contents

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 - Disaster Management Training Curriculum
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Orientations on

- The General administration guidance
- How to use the computer “Microsoft Word” “”
- Power Point Guidance on ADRC Visiting Researcher Programme
- Welcome to Japan
- VENTEN
- Establishment and Databases of ADRC
- PNG Tsunami Project, JICA Seminar on Disaster Management
- Discussion
- Observation of “JICA Seminar”
- Project.

Presentations

on

- Disaster Related Information
- Remote Sensing and GIS Technology, Internet GIS “VENTEN”
- Urban Disaster Mitigation Planning
- Disaster Reduction in Local Government
- Preserving the cultural heritage from disaster
- OCHA Relief Web

Trips

to

- Ohshima Island to attend the 2001 Earthquake, Volcano World Children Summit.
- Tokyo to learn about Disaster Prevention Plan, Disaster Countermeasures Basic Act
- Shizuoka Watching Disaster Prevention Drill in Atami City.
- KOTANI Dam and to Water Purification facilities Office
- Hyogo Phoenix Plaza to learn about Disaster Rehabilitation Plan after the Great Hanshin Awaji Earthquake.

Trips to

- Hyogo Prefecture Disaster Management Center and Nojima Fault Preservation Museum.
- Low land Waju and the in Kaizu-Cho, GIFU Prefecture
- Keio University (Dr.prof.Hideki Kaji), Japanese Red Cross. Nippon Hoso Kyokai (NHK).
- Hokkaido

Participations in

- The inaugural ceremony of OCHA Relief Web Kobe Antenna Office(3 rd location used for updating information on humanitarian emergencies and natural disaster).
- The International Symposium on Internet GIS Disaster Information
- The Trainer's Training Exercise (Town Watching Exercise) for Community Involvement Programme for Disaster Prevention Awareness.

Research on ADRC Cooperative Projects

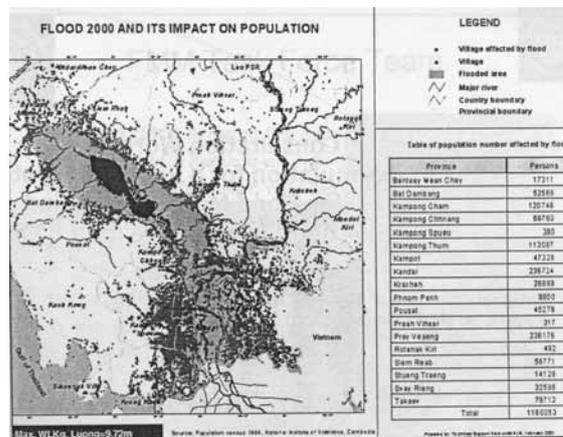
- With member countries:
 - a- Community-based Flood Mitigation Project of Bandung City in Indonesia.
 - b- Public Awareness Raising Programme for Disaster Reduction in Nepal.
 - c- Capacity Building for Disaster Preparedness and Reduction Programme in Cambodia
 - d- PNJ (Tsunami poster)

Study on Disaster Management Plans and Disaster Countermeasures of some ADRC member Countries

1. **The P.R.of China:**
 - The National Natural Disaster Reduction Plan
 - Disaster Reduction Countermeasures.
2. **Japan:**
 - Overview of National Disaster Reduction Plan. It contains:
 - a. Basic Plan for Disaster Prevention.
 - b. Operational Plans for Disaster Prevention.
 - c. Local Plans for Disaster Prevention.
3. **The Philippines:**
 - National Disaster Management Programme.
 - Flood Precautions Countermeasures

4. **The Republic of Korea:**
 - Disaster Prevention and Preparedness Activities.
 - Fifth Basic Disaster Prevention Plan.
5. **The Kingdom of Thailand:**
 - Disaster Management Planning.
6. **Srilanka:**
 - National Disaster Reduction and Management Policy and Programme.
7. **The Socialist Republic of Vietnam:**
 - Background on Disaster Management.
 - Flood Disaster Countermeasures in Central Vietnam.
8. **Switzerland:**
 - Planat.
 - *Swiss Agency for Development and cooperation Division of Humanitarian Aid and Swiss Disaster Relief*

Map reference



Background: Flood 2000 impact

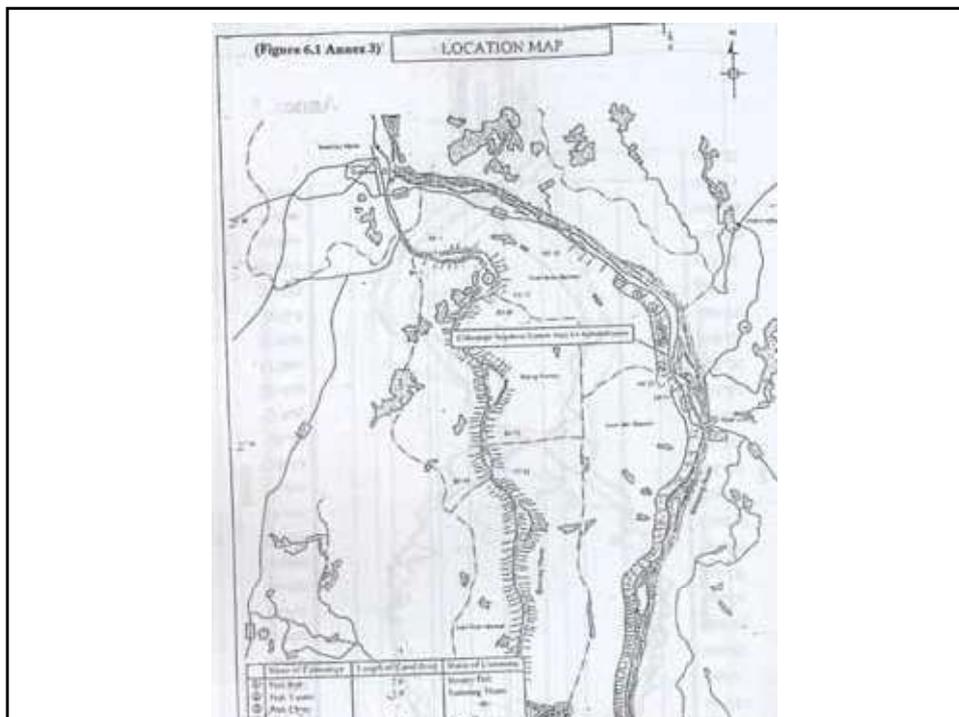
- 21 provinces/municipality affected by flooding comprise 131 districts, 883 communes, and 5,158 villages.
- People affected : 750,618 families
- Death : 347
- Rice crops affected : 616,749 ha
- Other crops affected: 51,272 ha
- Houses affected : 317,975 houses
- Schools affected : 988
- National roads affected: 2,621 km.
- Hospital and health center: 158 sites affected

Flood Disaster Countermeasures Activities

- Relations with National, International organisations, OIs, NGOs and U.N. Agencies
 1. UNDP
 2. ADRC
 3. ADPC, etc.
- Capacity Building
 - a. NCDM staff
 - b. PCDM/DCDM staff

Flood disaster countermeasures activities

- Consolidation the dams around cities (Phnom-Penh, Kamkong Cham, Kandal, etc.)
- Restoration the main canals (4 lines)
 - Purposes
 1. Reduce flood from the Mekong River
 2. Reduce the infiltration of the Mekong Cliff.
 3. Develop agricultural Production
 4. Consumption of local population.



Flood disaster prevention measures

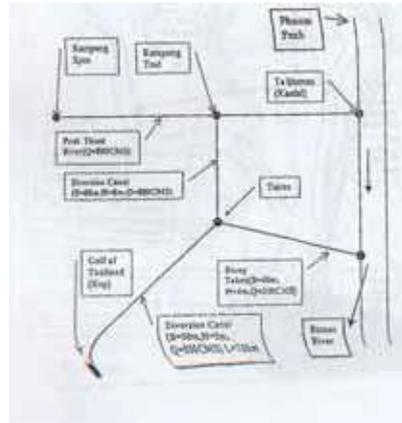
- Improvement of rainfall forecast (radar rainfall coverage)
- Improvement of Hydrological Network. Its objectives is:
 - construct an adequate number of hydro meteorological stations (for data collection)
 - to develop regular measurement, collection and dissemination procedures for hydro-meteorological data
 - to improve the management of the data collection network.(MRC)
- Improvement of model updating techniques
- Training in meteo observations

Flood disaster prevention measures

- Land use planning/regulations: prohibit the filling of reservoirs.
- Building codes illegal construction : prohibition of building on the banks/shores (Rivers, lakes, reservoirs).
- *River law (obstruction of river, extraction of sand, rock and other materials form the beds and banks of water bodies).*
- *Forest law (cutting of trees)*
- Designate flood control areas.
- Training and education:
 - a. Public official who play a vital role in DM
 - b. Inclusion of disaster mitigation courses for technical students
 - c. Public awareness

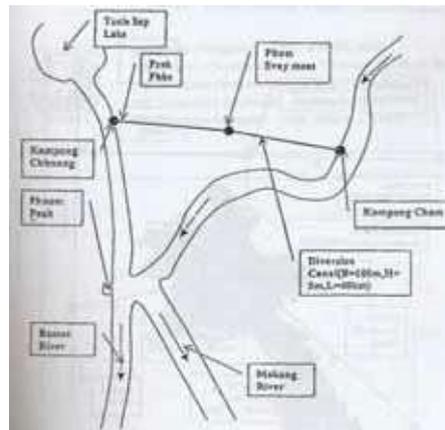
Diversion Canal from Takeo to the Gulf of Thailand.

- a. Purpose
- Development of agricultural production
 - Navigation
 - Flood control
 - Industrial center
 - Tourism



Diversion canal from Kampong Cham to Tonle Sap Lake

- a. Purpose
- Development of agriculture product
 - Flood control
 - Navigation
 - Fish migration



Disaster prevention measures

- *Construction of the dams “KOTANP”*
- *Reforestation*
- *Construction of embankments (Waju in kaizu-cho, GIFU Prefecture)*
- *Construction of upstream reservoir*

In brief

- Instruction and training
- River channel improvement
- Construction of floodways, retarding basins, and control basins, floodgates, pumping stations, dams, channels for adjusting the flow of rivers and weirs
- Development of lakes and marshes
- Countermeasures for city submission
- Construction of super levees to prevent flood
- Comprehensive flood control measures.

Action Plan after I go back to my country

- Installation GIS Internet Systems in NCDM General Secretariat.
- Keep on contact with ADRC thru email, monitoring ADRC Internet GIS “VENTEN”
- Based on new knowledge gained from conducting research in Installation ADRC through V.S. Programme, I plan to:
 - review the previous training courses conducted for the Provincial/District Disaster Management
 - integrate and manipulate possible methods that can make participants more active.

- formulate a project proposal on disaster reduction at the community level.
- Active in contacting with potential donors to get funding support.
- Formulate a five year plan.
- Formulate a Disaster Prevention/Mitigation Plan at the National Level.
- Initiate the formulation of Disaster Prevention/Mitigation Planning at the Sub-National Levels.

Conclusion

- ADRC Visiting Researcher programme can be regarded as one of the products of great benefit to bolster the NCDM capacities in dealing with disasters in the future
- Revise Disaster Management Measures (NCDM)
- Increase Capacity Building
- Installation of Disaster Management System