

2008/SOM3/TFEP/SEM/006

Formulation of the Strategy for Disaster Risk Reduction and Emergency Preparedness and Response of the Asia-Pacific Region 2009-2015

Submitted by: Thailand



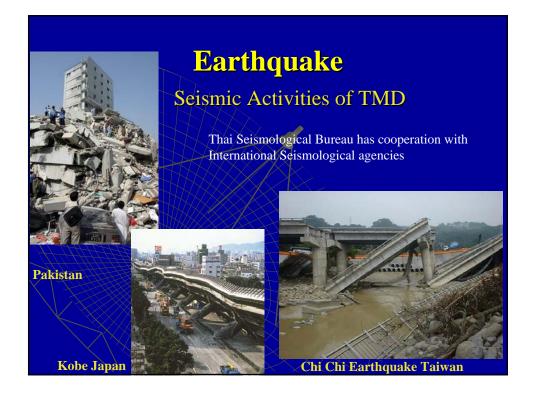
Emergency Management CEOs' Forum Lima, Peru 12–14 August 2008 Formulation of the Strategy for Disaster Risk Reduction and Emergency Preparedness and Response of the Asia-Pacific Region 2009-2015 Lima, PERU

> Kriengkrai khovadhana Deputy Director-General

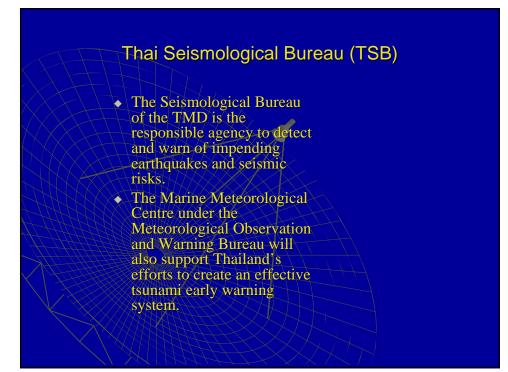
THAILAND METEOROLOGICAL DEPARTMENT

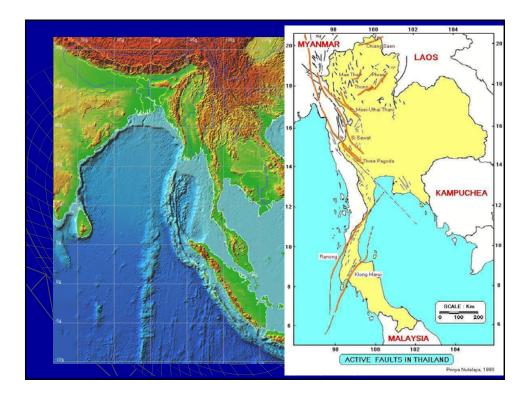


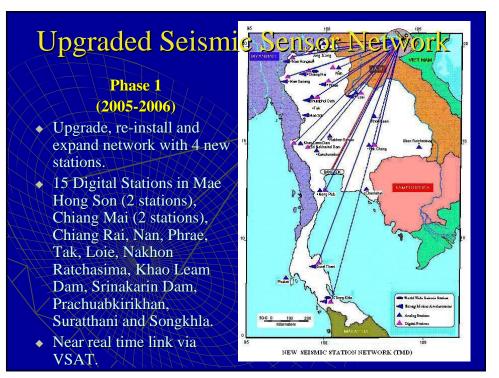




- Seismic monitoring with analogue and digital systems.
- Center of earthquake information and basic knowledge.
- International cooperation with countries such as the United States, Japan and China.
- International data exchange through ASNET-RESED, GARNET and USGS.
- Policy and planning for installation of the national seismic monitoring network.
- Acts as the secretariat for the National Earthquake Committee of Thailand.
- Seismological research.



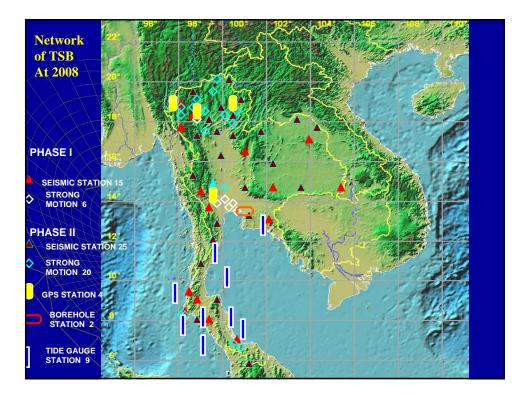




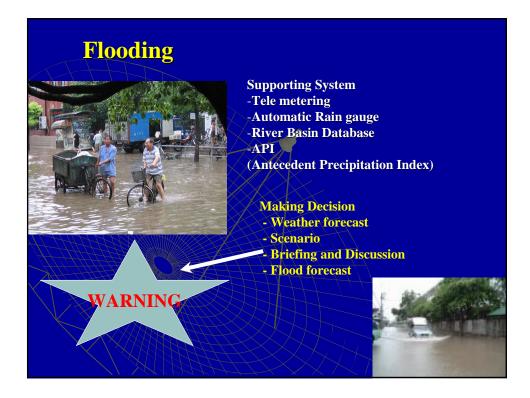
Phase 2

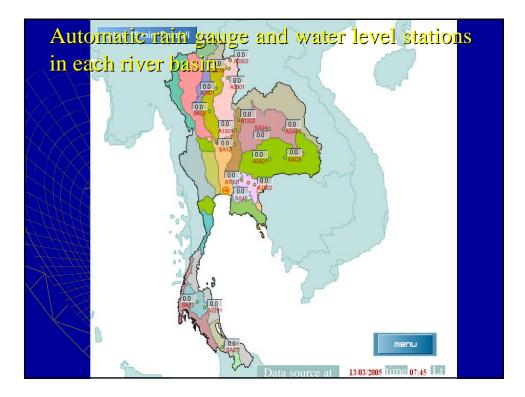
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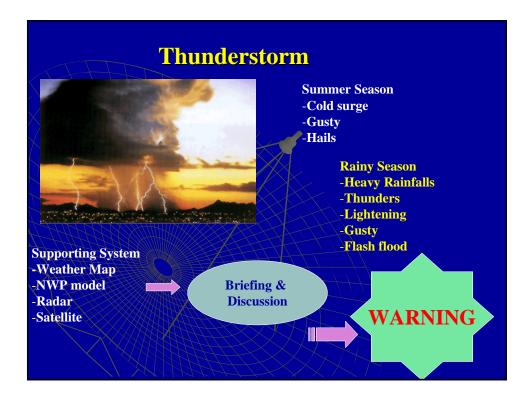
- 25 new digital stations in all part of the country.
- ♦ Near real time link via VSAT.
- Seismic Database by 2007, which will include data of earthquake events detected by seismometers, active faults, and a seismic risks map.

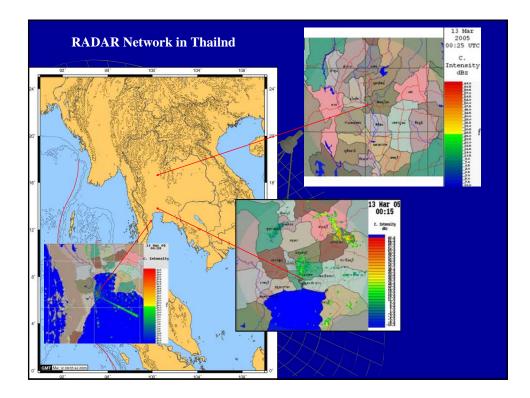


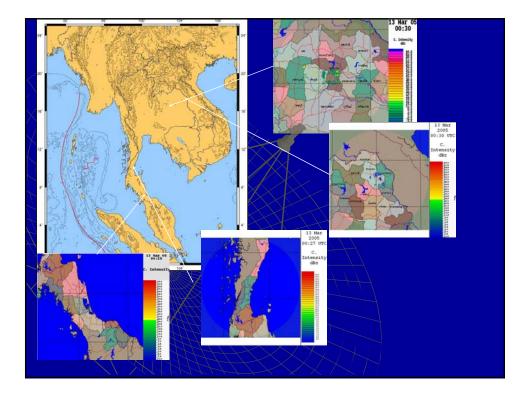


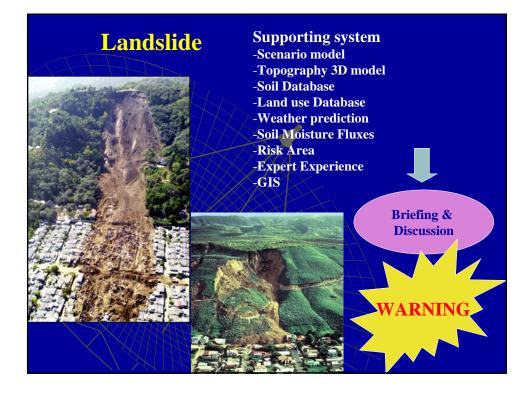




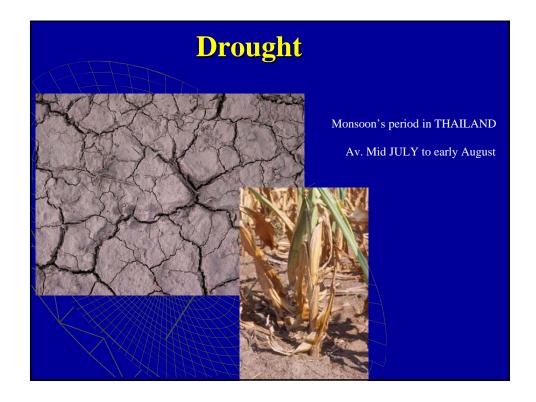








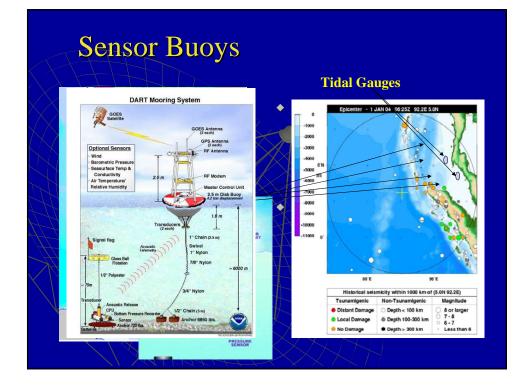


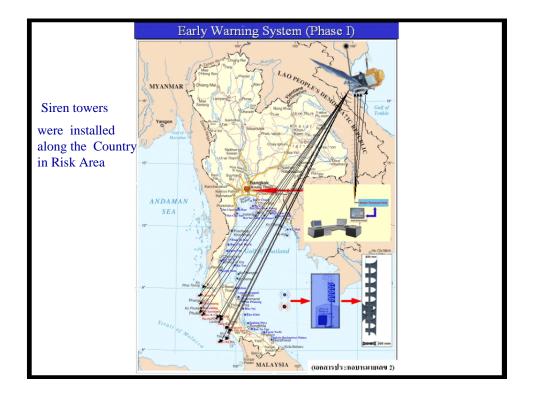


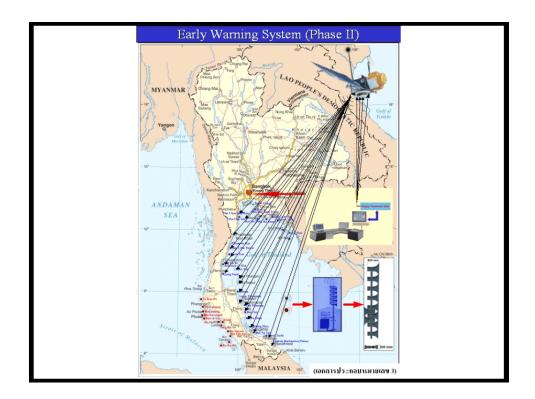
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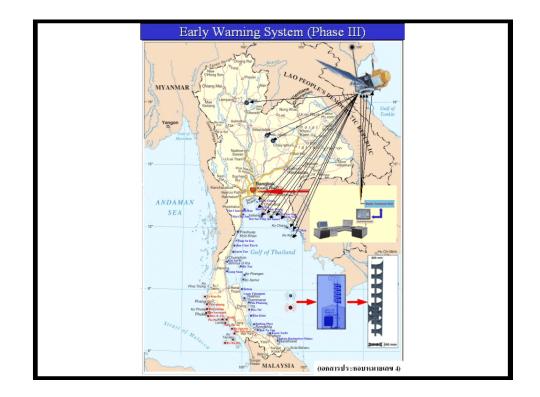
General information for consideration

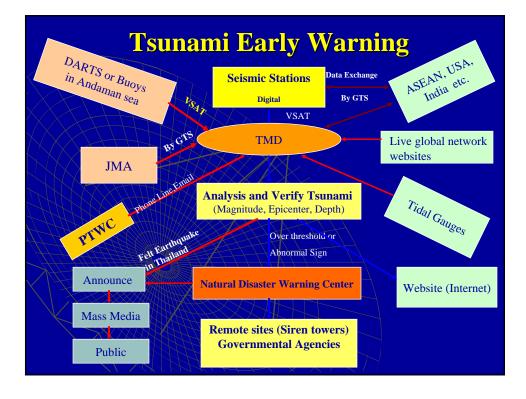
- No historical records of tsunami that effect to Thailand
- No tsunameter and a few old type tidal gauges were installed in the southern region of Thailand
- Never prepare any warning system and evacuation plan for unexpected tsunami phenomenon
- People did not know and realize about basic knowledge of tsunami











Regional Tsunami Early Warning Centre for the Indian Ocean

- Enhancing national capacities for tsunami and multi-hazard early warning must be a priority for all governments.
- However, coordination at the regional and international levels is vital to create a truly effective global system.
- The Indian Ocean needs a regional focal point to coordinate national efforts and ensure compatibility of systems, in a similar way to existing regional centre such as the PTWC and NWPTIC.
- Any regional system will need to be linked to a wider global network of local and regional warning systems, which should be coordinated by the IOC of UNESCO and UN-ISDR.
- Thailand supports the goal of the Asian Disaster Preparedness Centre (ADPC) to be the regional focal point for tsunami early warning in the Indian Ocean. ADPC has already completed a draft system design document, which will be presented at this meeting.

Hydrological Component

Improvement of Facilities

- Telemetering System Project since late September 1999.
- To collect activities related to flood monitoring, flood forecasting and warning
- During the year,109 new telemetric stations were installed.
- On 27 Jan 2006, the project has been carried out 70% of the whole work.

Hydrological Component

- Flood Forecasting and Warning (basin in operation)
 - API, and MIKE11 modeling system have been used for flood forecasting and warning systems in the designed three basins namely: Nan, Pasak and Prachin River Basin.
- Comprehensive Flood Loss Prevention and Management

Serous flood events occurred in the several places of the country. Flood forecasting and flood warning were concentrated together with flood risk mapping.

conclusion

1. Develop Disaster Management Strategies

- a. Mitigation, Preparedness, Response and Recovery
- b. Roles and Responsibilities for Central Government and Local Government
- c. Develop IT Strategies and Reference for Best-Practices

2. Develop Long Term Plan based on Priorities

- a. Investment Plan
- **b. IT implementation Plan**
- c. Develop coordination Plan, national and international level
- 3. Make Consensus and Cooperate with Relate Agencies

Recommendations

- Unpredictable natural disasters like earthquakes should gain more attention from concerned parties before undesirable phenomena occur, particularly in developing countries like Thailand where losses caused by severe earthquakes have not been experienced before.
- The lack of knowledge and technology in the field of seismology and earthquake engineering, together with insufficient preparedness for natural disasters of this kind, may lead to massive damage to the area in which they take place.

