

Collaborative Research and Development Project for Disaster Mitigation on Network of Research Institutes in Earthquake Prone Areas in Asia

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“Strategies for Dissemination of Technologies to Communities”

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1. Purpose of the Project

The purpose of the project is to enhance capability of research and development for earthquake disaster mitigation of each country in earthquake prone areas in Asia, which is expected to be basis for development of strategies and policies on their own initiative.

2. Outline of R&D Activities

We implement collaboration in R&D with five Asian countries, Indonesia, Nepal, Pakistan, Turkey and Japan, for three years focusing on the most essential research topics for mitigation of disasters

listed above.

***Activities in FY 2006**

- The facilitators and the coordinator visit the counterpart countries for establishment of collaborative relations with possible research institutes for each of research topics.
- We invite researchers to Japan to share experiences and discuss on future R&D activities, and organize an international workshop connecting counterpart countries by TV conference system in coming November.
- We organize thematic meetings on each of the three research topics for in-depth discussion in coming March (tentative).

3. Management of the Activities

R&D activities of each topic are to be facilitated and managed by the designated researchers listed above. BRI coordinates activities among the three topics for integrated approaches for mitigation by organizing annual workshops and TV conferences.

4. Background of the Project

Each of large scale earthquakes causes serious damages to human societies with enormous number of loss of lives and the injured. We experienced Northern Pakistan Earthquake in 2005 and Off Sumatra Earthquake in 2004, which reminded us that mitigation of disasters is one of the most urgent task for research community in Asia.

5. Socio-economical Effects

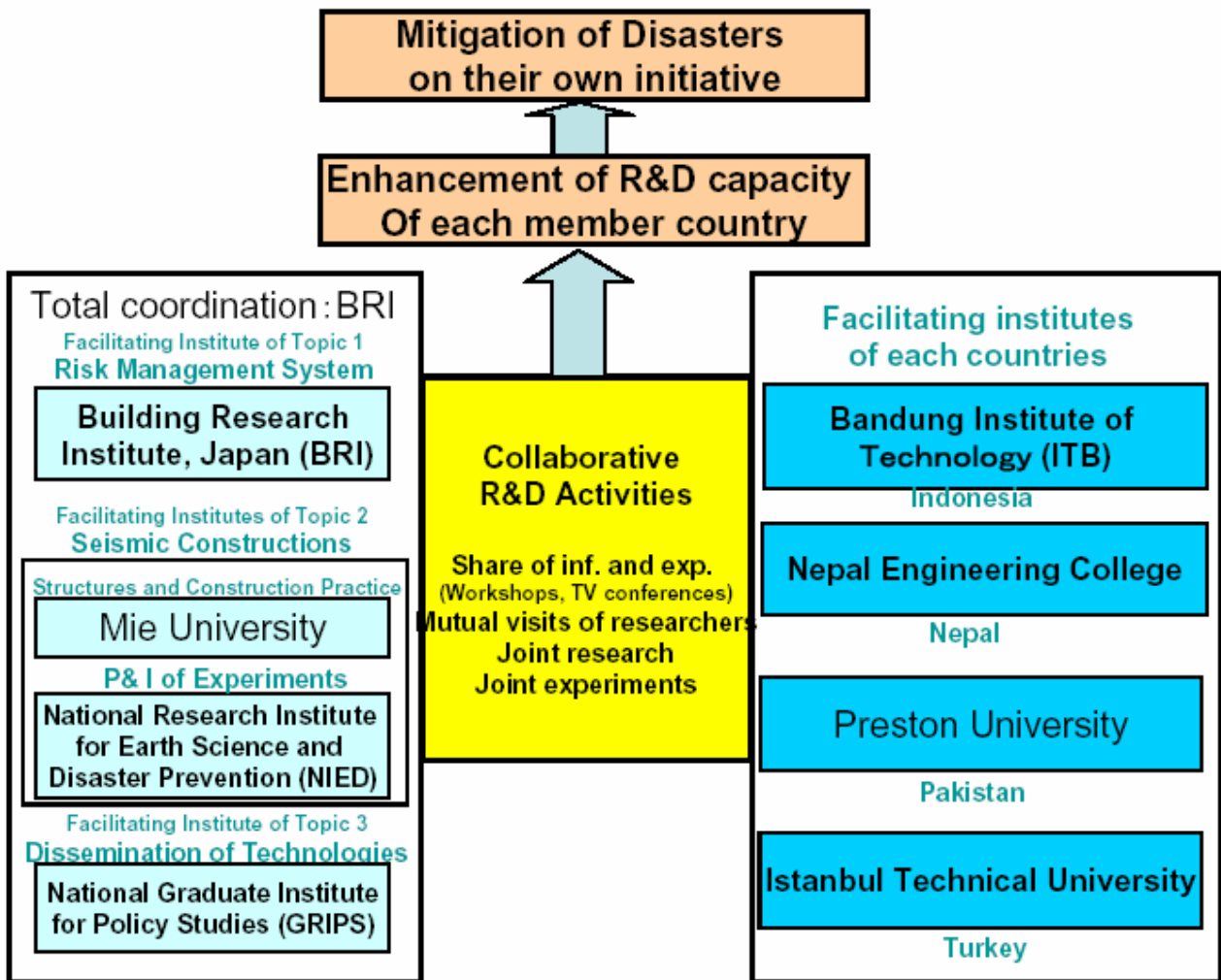
Each of countries is responsible for its people to provide safe constructions and needs to develop capacity of R&D of their own as the basis of development of the strategies and policies. In this context we propose a collaborative research and development among five countries with full utilization of IT tools such as TV conference system and internet. We are to share experiences and achievements of each member country to make the best use of them through collaborative R&D activities and will further disseminate them to neighboring countries through international symposiums and other events.

6. Further effects of the collaborative R&D into practice

Each member research institute is expected to contribute to establishment of strategies for disaster mitigation in their country, which might be supported with ODA programs and NGO's.

Organization Chart of R&D
 Collaborative Research and Development Project for
 Disaster Mitigation on Network of Research Institutes in Earthquake
 Prone Areas in Asia (Tentative)

実施体制「地震防災に関するネットワーク型共同研究」



< The keenest issue common in earth quake prone areas in Asia >

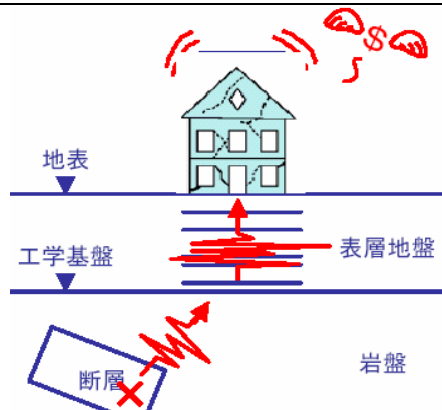
Mitigation of Disasters Caused by Earthquakes

Collaborative R&D Project on Network of
Five Asian Countries

On the Three Most Essential Research Topics
(Indonesia, Nepal, Pakistan, Turkey and Japan)

System for Estimation and Management of Seismic Risks

To develop system to evaluation of seismic risks
by assumed earthquakes, transmission
characteristics, conditions of buildings etc.,
and to manage them through development of
strategies to mitigate disasters



Feasible and Affordable Seismic Constructions

To develop appropriate seismic structures and
construction practices, which will be expected
to be accepted by communities, and to verify
them by a series of joint experiments
(proposal by UNCRD (United Nations Center for
Regional Development in Kobe) for CB masonry)



Strategies for Dissemination of Technologies to Communities

To develop strategies and tools for dissemination of
technologies to people and communities such as
consecutive workshops in communities,
demonstrations, capacity development of housing
facilitators (demonstration by simple shaking table in
Kobe by Kobe Municipality, UNCRD and BRI)

