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## UNCRD Programmes on CBDM Community-Based Disaster Management

Shoichi Ando Dr.

UNCRD

(United Nations Centre for Regional Development), Coordinator, Disaster Management Planning Hyogo Office

Major Disa	sters since 1970			
Nation	Disaster	Year	Death	
Peru	Eq	1970	67,000	
Bangladesh	Cyc/flood	1970	300,000	
China	Eq	1976	290,000	
Armenia	Eq	1988	25,000	
Iran	Eq	1990	35,000	
Bangladesh	Cyc/flood	1991	140,000	
Japan	Eq	1995	6,400	
Turkey	Eq	1999	17,000	
India	Eq	2001	17,000	
Iran	Eq	2003	27,000	
Indonesia, others	Eq/tsunami	2004	270,000	
Pakistan	Eq	2005	78,000	







## **UNCRD** Target

UNCRD aims to enhance the capacity of local people and governments with various partners, to make communities safer

Motivation and actions at individual and community level are essential



#### Why Community Based Disaster Management (CBDM) ?

- Local people are potential victims and assume responsibility in managing the risk
- Local people respond first and are left last to rebuild safer communities
- Disasters reflect local conditions, of which local people are ware
- People can be motivated only individually



# UNCRD Activities for CBDM

- Dissemination of best practices
- Initiation of model projects
- Development of practical guidelines / tools for risk assessment and CBDM
- Training and advisory services
- Building partnership internationally and locally

# Global Earthquake Safety Initiative (GESI) with 41 cities worldwide

#### Partnership among local/national government, and NGO Joint initiative with GHI

- **Objective of the Project**
- To know where the risk is the most
- To understand the causes of the risk
- To provide affordable city specific solutionTo enhance an effective decision making system
- To enhance an enective decision making

#### End-users

City and regional disaster managers and decision makers



PNY Patanka New-Life Project Rehabilitation after Gujarat Earthquake of January 2001, focusing on non-engineered construction



Partnership with: EDM, NCPDP, NGOs Kobe, NSET-Nepal, and SEEDS

Training Education Awareness Confidence

# **Shake Table Demonstration**



Stone with mud mortar structure

Comparison of resistance to Earthquake between Normal vs. Retrofitted

Build People's confidence/ Simple and effective means, Enhance understanding of performance of simple structures, Incorporate people into process of transferring technology



### Afghanistan Training and **Livelihood Initiative**

With national governments, Kabul University, SFL, CODE, and NSET

**Objectives** 

- To develop guidelines (Persian) for earthquake safer construction practice
- To conduct training of masons and engineers
- To recover livelihood





World Conference on Disaster Reduction (WCDR) in Kobe, Jan. 2005



•Strengthen school buildings (retrofitting) •Technology transfer and training of masons/engineers •Disaster education and mitigation culture



#### Sustainability in Community-Based Disaster Management (2002-2005)

#### Year 1 (2002):

- Framework for sustainable CBDM through 6 case studies in Bangladesh, Cambodia, India, Indonesia, Nepal, and the Philippines
- Year 2 (2003): Development of Guidelines for Sustainable CBDM and field testing in Bangladesh, Viet Nam, and the Philipoines

Year 3 (2004):

Application of the Guidelines in Viet Nam and Mongolia, Partnership building



#### **UNCRD Activities at WCDR**

(World Conference on Disaster Reduction) Jan. 2005, Kobe, Hyogo, Japan

- Publication of the outcome of the various CBDM projects "User's Guide," "Tapestry," and "Digest"
- Panel 4 on "reducing the underlying risk factors"
- Sessions on "CBDM" (21 Jan. 2005) and "Policies for Safer Housing/Building" (19 Jan. 2005)
- International Symposium on "Safer Communities" on 21 Jan. 2005 in Kobe.
- Shake Table Demonstration on 18 and 21 Jan.

# New Programs of UNCRD 2005

- Urbanization and Community-Based Disaster Management (2005-2007) in Nepal, Bangladesh, Indonesia, Thailand and Sri Lanka.
- "Reducing Vulnerability of School Children to Earthquake" project (2005- 2006) in Uzbekistan, India, Indonesia and Fiji.

## New Programs of UNCRD 2006

(Planned)

- "Anti-seismic Building Code Dissemination (ABCD)" project (2006) in Nepal, Indonesia, Japan, and other seismic countries.

(based on the application)

## Japanese Proverbs

- Disaster strikes when it's slipped our memory. (災害は、忘れたころにやってくる。)
- Providing is preventing.
- (備えあれば、憂いなし。)
- Turn misfortune into a blessing.
  (災いを転じて福となす。)

#### UNCRD

Disaster Management Planning Hyogo Office

http://www.hyogo.uncrd.or.jp E-mail: rep@uncrd.hyogo.or.jp Tel: 81-78-262-5560 Fax: 81-78-262-5568