



# Capacity Building of Communities

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# Why Community Based Disaster Management?



- **Local people are potential victims and assume responsibility in managing the risk**
- **Local people respond first and are the last remaining to rebuild safer communities**
- **Disasters reflect local conditions, of which local people are ware**
- **Disaster mitigation measures should be affordable and acceptable for local people**
- **Critical decisions to avoid risk are made by individuals who can be motivated only locally**

# Key issues for sustainable CBDM



- Strengthening capacity for motivation of people at the community level
- Ownership of a program through participatory methods
- Mutual support at all levels
- Closing the gap between policy and implementation
- Institutionalization and political commitment
- “Collective security” through structural and non-structural means, which are affordable and practical

# UNCRD Target



**UNCRD aims to enhance the capacity of local people and governments with various partners**

**Motivation and actions at individual and community level are essential**



# 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

# RADIUS Initiative for IDNDR



- Capacity building
- Local leadership and ownership
- Collaboration and partnership
- Awareness raising



A seminar for students in Bandung

Earthquake damage scenarios and action plans were developed in the 9 case study cities to reduce the urban seismic risk, involving all the stakeholders

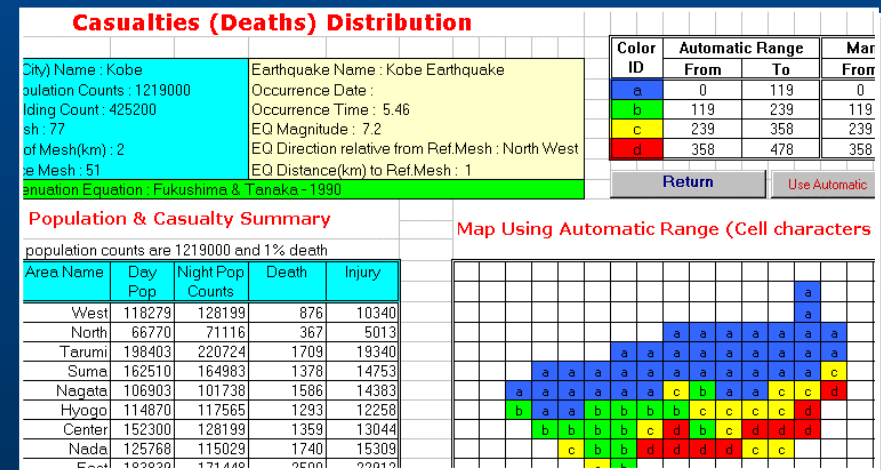
# Sustainability and partnership in RADIUS



- **Local partnership sustains and efforts continue**

- Skopje adopted RADIUS recommendations in Master Plan.
- Guayaquil created a new Division for Disaster Mitigation.
- Bandung changed its building permit process.
- Antofagasta removed schools from Tsunami areas.
- Tijuana created NGO called RADIUS.
- Experience is transferred to neighboring cities.

A simplified software for urban seismic damage estimation was developed (free distribution)



# Global Earthquake Safety Initiative with 41 cities worldwide



A joint initiative with GeoHazard International (GHI)  
for capacity building

## Objective of the Project

- To know where the risk is the most
- To understand the causes of the risk
- To provide affordable city specific solution
- To enhance an effective decision making system

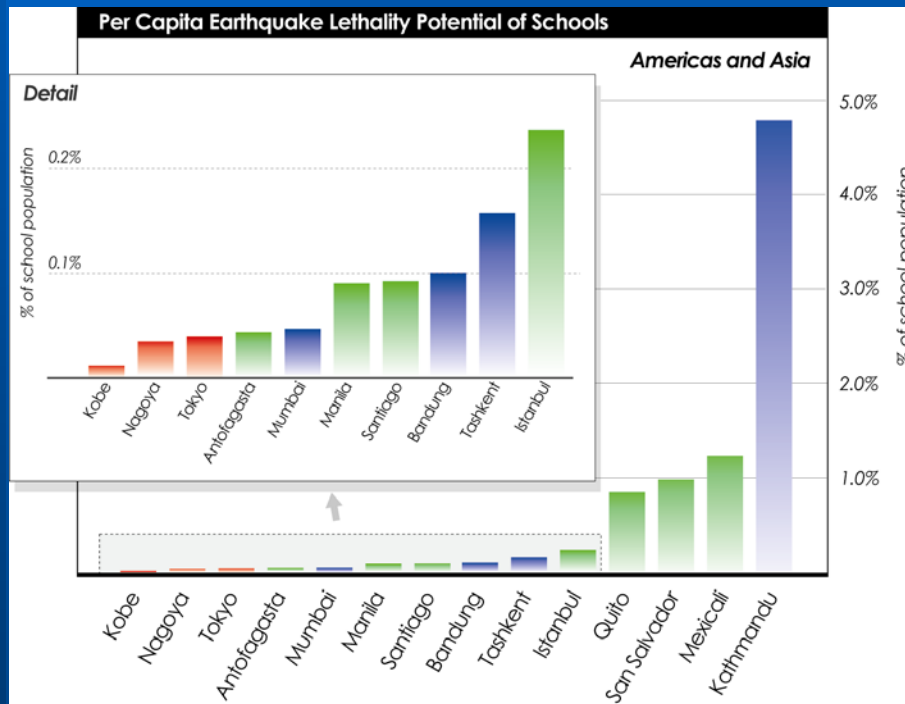
## End-users

City and regional disaster managers and decision makers

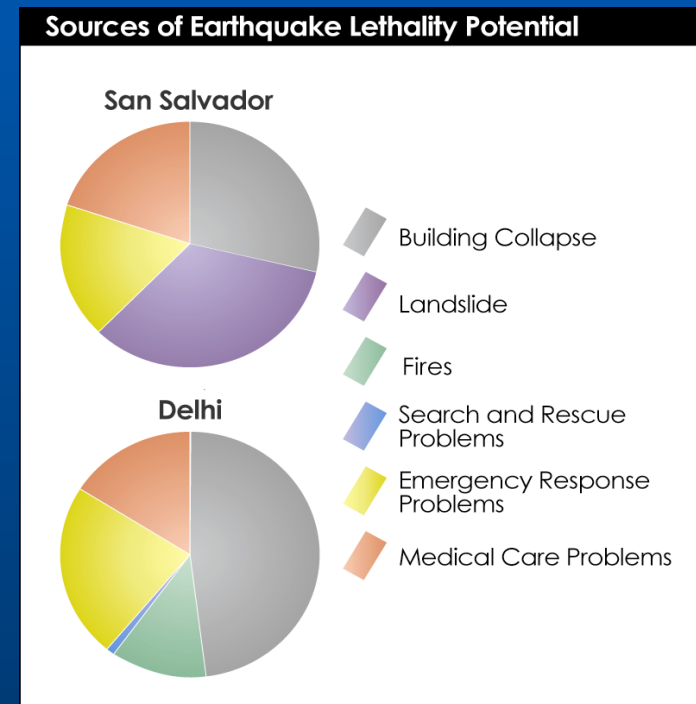


# GESI – City risk analysis

to better understand the causes and countermeasures



*Risk comparison among the cities*



*Sources of Earthquake Lethality Potential are diverse in each city.  
What Delhi needs to do to reduce its risk is different from what San Salvador needs to do.*

# Pantanka New Life (PNY) Project

## Rehabilitation after 2001 Gujarat Earthquake



EDM, NCPDP, NGOs Kobe, NSET-Nepal, SEEDS, and UNCRD



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

# ATLI

## 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





# Improvised Shake Table Demonstration



- For reconstruction of Bam, Iran, Nov. 2004



- WCDR

Shake table demonstration is held 14:30 - 16:30 on 18 and 21 Jan. at International Exhibition Hall and at UNCRD Symposium on 20 Jan.

# School Earthquake Safety Initiative



- Partnership projects with NSET-Nepal (1999 - )
- Hyogo-Kerman Friendship Fund (Feb. 2005- )
- Human Security Fund (Feb. 2005 - )



**Retrofit**



Bal Vikas Secondary School, Nepal

- 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 Philippines**

## Year 3 (2004):

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





# UNCRD Activities for WCDR



- Publication of the outcome of the various CBDM projects “User’s Guide,” “Tapestry,” and “Digest”
- International Symposium on “Community Legacy in Feb. 2004, as a pre-event
- International Conference on “Partnership in CBDM” in Aug. 2004, Delhi, as a pre-event, followed by On-line Forum on CBDM from 13 September to 6 October
- Sessions on “CBDM” (21 Jan.) and “Policies for Safer Housing/Building” (19 Jan.)
- International Symposium on “Safer Communities” on 21 Jan. 2005
- Shake Table Demonstration on 18 and 21 Jan. 2005

# Intl Conference on Partnership in CBDM in Asia

Pre-event for WCDR, 24-26 Aug. 2004, Delhi

Co-organized by UNCRD, UN ISDR, SEEDS, Kyoto University



## Resolution

- It is required to integrate CBDM as the cross cutting policy initiatives.
- Recognition of civil society initiatives and corporate partnership is essential.
- Education and training play a crucial role in mainstreaming CBDM



# Recommendation for Capacity Building



- **Involvement and motivation of people through participatory process and appropriate risk communication**
- **Training (with RADIUS/GESI methodologies and User's Guide) within all local governments by 2015**
- **National/local governments-Civil society partnership should be initiated by 2015**
- **All schools and hospitals should be disaster resistant by 2015. Communities should be involved in the initiatives for awareness raising and technology transfer**

# Thank you !



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