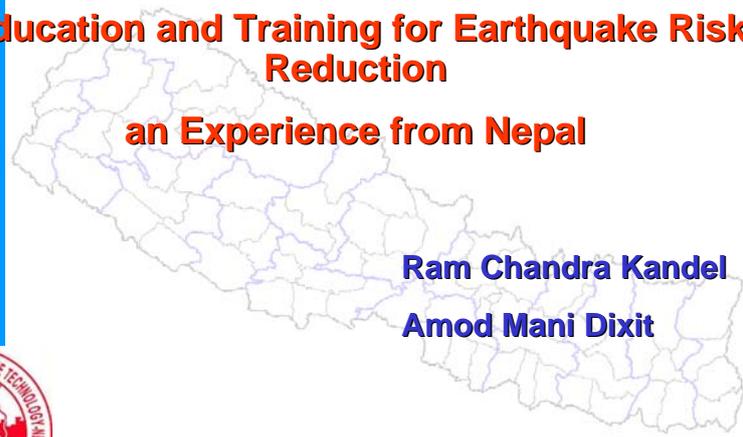


Asian Conference on Disaster Reduction 2007

June 25-27 , 2007,

Astana, Republic of Kazakhstan

**Education and Training for Earthquake Risk Reduction**  
**an Experience from Nepal**



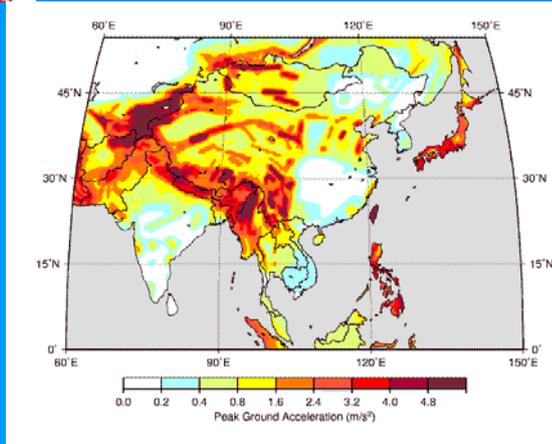
**Ram Chandra Kandel**  
**Amod Mani Dixit**



**National Society for Earthquake Technology - Nepal (NSET)**

[www.nset.org.np](http://www.nset.org.np)

**Earthquake hazard**

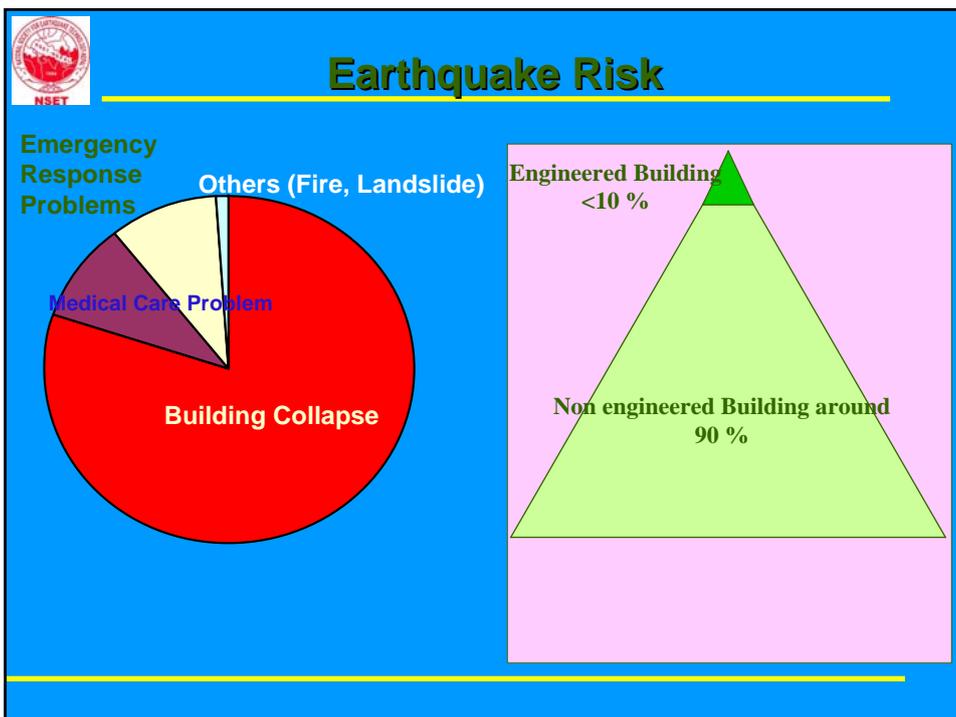


Population : 28.9 Million  
(Projected 2007 July)

Area : 1,47,181 Km<sup>2</sup>

GDP: 294 \$

GNP: 300 \$



- 
- MAIN STRATEGY**
- **Emphasize Non –Formal Education**
  - **Maintain Strong Link with Academic / Research Institutes**
- The slide features a blue background with a yellow horizontal line at the top and bottom. The title 'MAIN STRATEGY' is centered at the top in bold black text. Below it, two bullet points are listed in bold black text.



## Non-formal Education : Training

- **Stand Alone Activities**
  - ❖ Mason Training
  - ❖ Teachers Training
  - ❖ Engineers / Technicians Training
  - ❖ Earthquake Safety day
  - ❖ Mobile Clinic
  - ❖ Friday Clinic
  - ❖ Shake Table Demonstration



## Non-formal Education : Awareness

- ❖ Earthquake Safety day celebration
- ❖ Radio / TV / Print Media
- ❖ publications
- ❖ Drama / Quiz Contest
- ❖ Videos etc.





## **Non-formal Education :awareness inbuilt in to other projects**

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- ❖ Scenario Development
  - ❖ Municipal Earthquake Risk Management Program (MERMP)
  - ❖ School Earthquake Safety Program (SESP)
  - ❖ Hospital Earthquake Safety Program (HESP)
- 



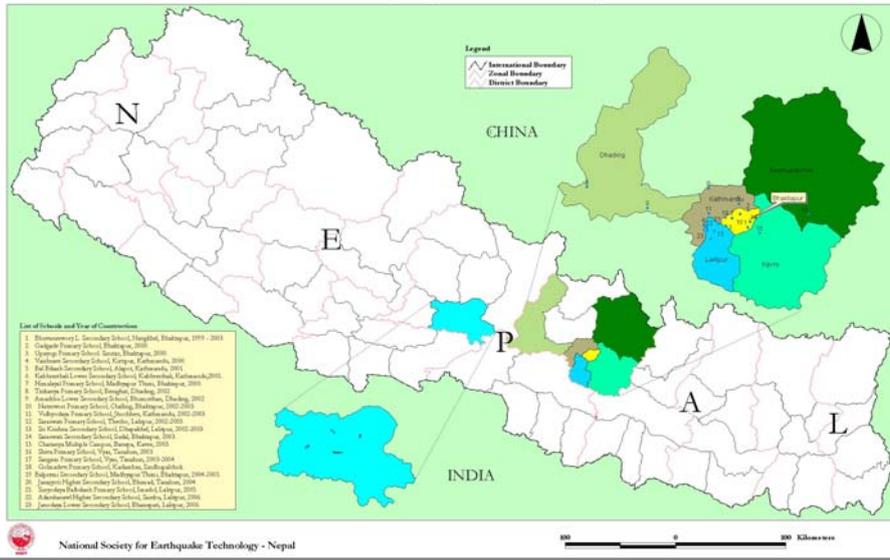
## **Formal Education**

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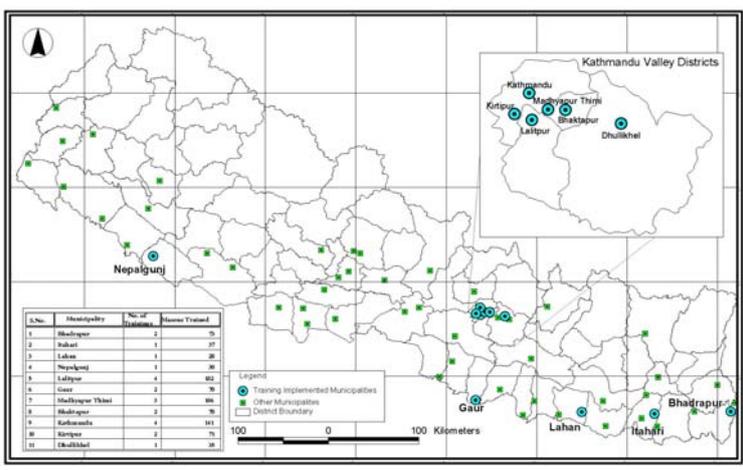
- ❖ Kathmandu University – Nepal ( DRM 3 credits M.Sc. Environmental Sciences)
  - ❖ Nepal Engineering College - M.Sc. Disaster Risk management
-



### School Earthquake Safety Program (SESP) Location of Project Implemented School Buildings

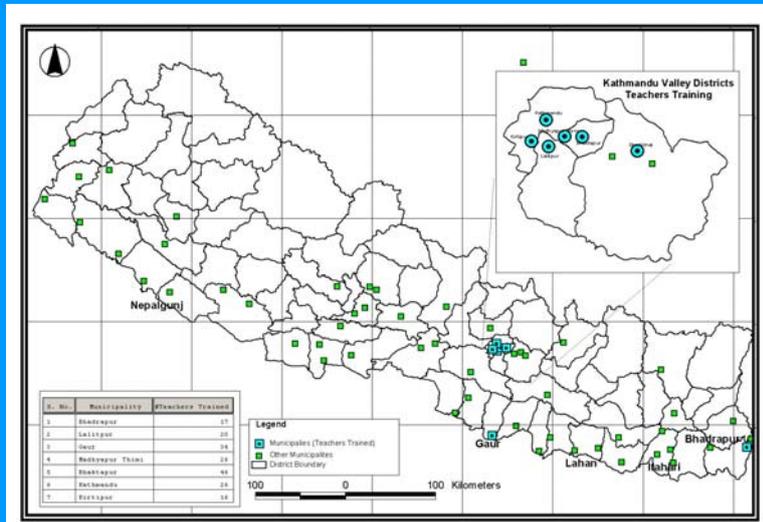


### Mason Training at Municipalities

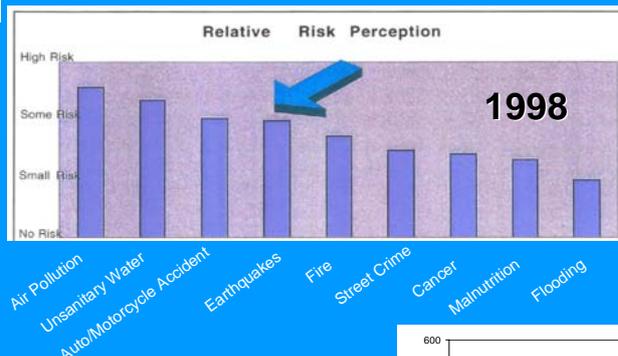




## Teachers Training

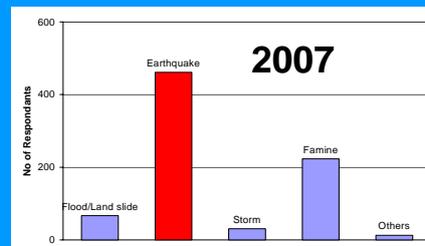


## Impact of Our Work during 1997-2007



### D. Positive Changes

- Earthquake Risk started being taken as the highest ( $450/800 = 56\%$ )

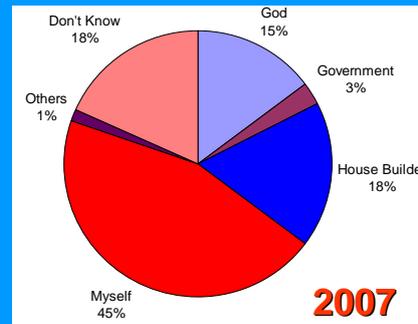
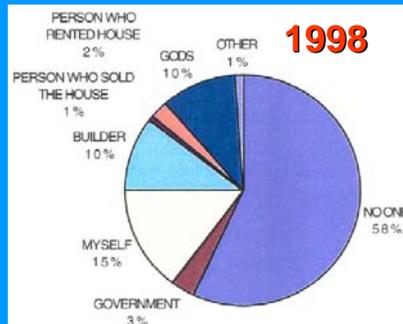




## Impact of Our Work during 1997-2007

### D. Positive Change in mind-set

- Marked enhancement in Earthquake Awareness
- I am responsible, I have to do it.



If your house would collapse and kill some of your family due to big earthquake, whom do you blame?



## Lessons Learned

- ❖ Physical model and hands on training is more effective.
- ❖ Institutionalization is important
- ❖ Political stability is vital for institutionalization
- ❖ Certification- necessary
- ❖ Accreditation
- ❖ Understanding with Municipality (Local Government) works.



## Challenges

- ❖ Institutionalization is long term process
- ❖ Good models are prepared but
  - Needs Scale Up
  - Geographical Number
- ❖ Raised Awareness leads to higher demand for DRR
- ❖ Back firing fatalism

