

Full Bright Lecture Series  
Disaster Risk Reduction and Resilience  
How far we have come?

## Disaster Risk Management Education in Nepal



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# Perception of DRR in Academia

- Two School of Thoughts

- Disaster as Technical Problem

- WIDPC  DWIDP
    - Soil Conservation
    - Bio engineering
    - Earthquake Engineering
    - National Building Code

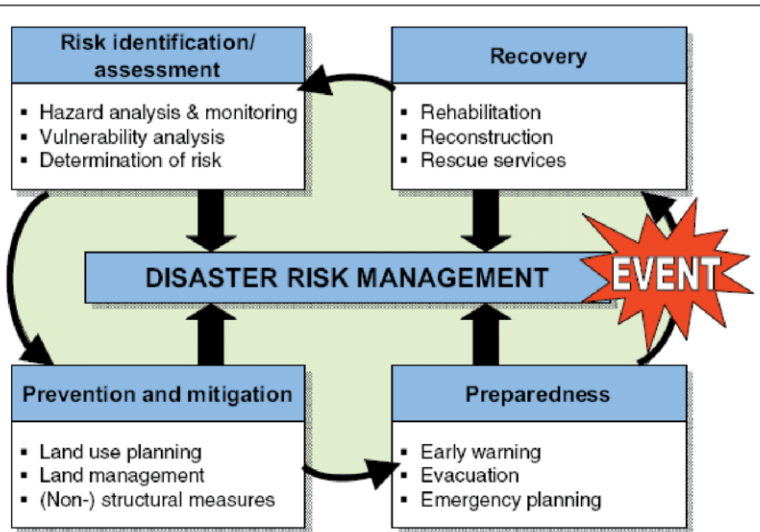
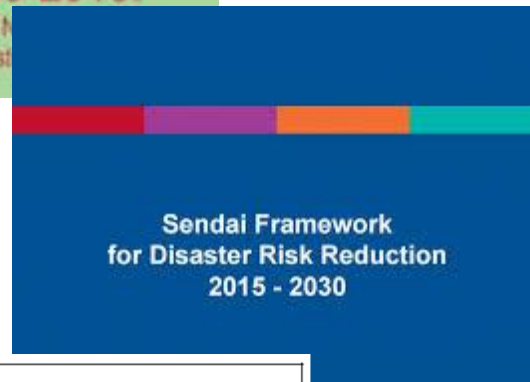
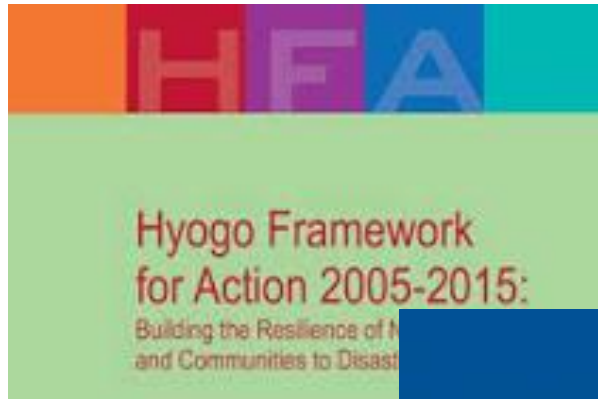
- Disaster as Managerial Problem

- Disaster risk reduction in School Curricula
    - Awareness Campaign
    - Rescue and Relief training

- NCRA 1982
- DRM Committees at different level
- Inactive universities

# Paradigm Shift

- Piece meal approach to Comprehensive Approach
- Rescue and Relief to Disaster Cycle



Technical Problem  
and Managerial  
Problem



Multidisciplinary  
Actions  
Universities Active

# Emergence of New Institutions

- National Strategy for DRM
- New Act for DRR
- New Institutions at central and local level to deal with Comprehensive DRR
- National DRR Platform and Portals
- National DRR Policy (Draft)

NSET

CDS

DPNET

NCDM

CoRD

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# Response of Academic Institutions

- Dedicated Module in a programme

- Water Induced Disasters in Water Resource Management (1996)
- Soil Conservation In WRM, Geotech and Environment engg
- Bio engineering In In WRM, Geotech and Environment engg
- Earthquake Engineering In Structural engg (1996)
- Disaster Risk Management In M. Sc Environmental Science (2010)

- Dedicated Programme for specific Disaster

- Masters in Earthquake Engineering: Khowpa Engg and Thapathali Engg

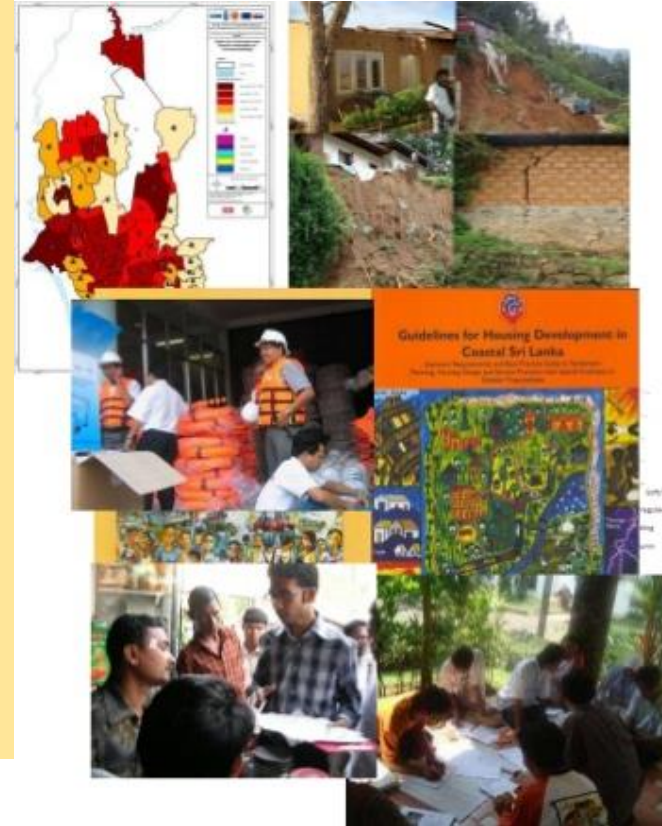
# Response of Academic Institutions

- Multidisciplinary Comprehensive Course
  - Masters in Disaster Risk Management 2010, IOE
  - Masters in Disaster Risk Engineering and Management : Lumbini Buddhist University
  - Ph D in Disaster Risk Management: IOE
  - Dedicated Research Center: Center for disaster studies in IOE

# Masters in Disaster Risk Management

- Intake : 20/year
- 2 year course
- Eligibility: 10+2+4 formal education
  - 2 yrs of experience in DRR sector for applicants other than engg, archi and science
  - More than 90 students graduated
  - 40 are working abroad
  - Others working in NGO/ INGO/GO

## M Sc. In Disaster Risk Management



**A broad range of activities designed to:**

- Prevent the loss of lives
- Minimize human suffering
- Inform the public and authorities of risk
- Minimize property damage and economic loss
- Speed up the recovery process

# Center for Disaster Studies

- M. Sc in DRM IOE
- 3 Ph D
- Some Ph D research going on
- Some notable research
  - Development of fire resistant technology for refugee camp in Jhapa: Prof Pokharel
  - Development of climate responsive school building using CSEB: Dr Jishnu
  - Development of manual for reclustering or settlement in post earthquake scenario: Ajay
  - Development of Debris Block as reconstruction material for rural Nepal: Ajay
  - Living lab in Panchase to study the effectiveness of different kinds of plants for soil stabilization: Sanjay Devkota (Going on)



Tie the interior and exterior bamboo jali by the gabion wire very strongly



Testing of fire resistant technology in Jhapa



*Thank you for listening*