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**Session 3: "Natural Disasters, Society,  
Development, Science and Technology"**

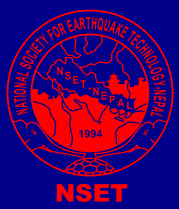
**Main Issues of DRR Activities, Types of  
Information Resources Needed and Specific  
Roles of Disaster Information Initiatives**



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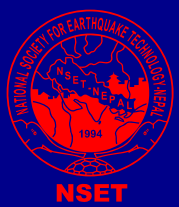
**[www.nset.org.np](http://www.nset.org.np)**



# Basic Issue of DRR

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- **Disaster Safety - can developing countries afford it? Amongst conflicting priorities?**
  - **Yes, despite economic constraints**
  - **Way out is to include DRR**
    - into development
    - into culture
    - into mind set
  - **Define level of achievable safety (accept different levels of safety at different levels of socio-cultural and economic environments)**



# How to implement Disaster Risk Reduction?

## a) Knowledge

- bring/develop
- Adapt/adopt
- Propagate – education, training, awareness raising initiatives

## b) Use knowledge

- Pilot, test, improve, further adapt

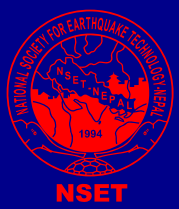
## c) Create environment for knowledge use for DRR

- Policy, legislation
- Programs, budget

## d) Implement

- monitor/ evaluate
- Learn lessons positively, propagate
- suitable methodologies: High Tech vs. Low Tech,
- Benefit cost
- Blend with local conditions, local commitments

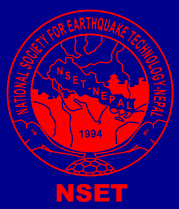
## e) Go to (a) – cycle



# Main Issues of DRR Activities

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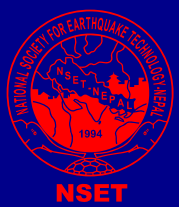
- 1) **Lack of Knowledge base**
  - **Traditional materials**
  - **Modern materials**
  - **Technology, practices, wisdom**
- 2) **Lack of unison of approaches and methodologies**
- 3) **Knowledge sharing at international / regional / national / community levels**
- 4) **Information for those who use it (local language, simple language, blending with existing practices)**



# Main Issues of DRR Activities

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- 5) Templates exist, replication not satisfactory
- 6) **Last mile still not reached**
- 7) Many Players, no comprehensiveness
- 8) **Institutionalization**
- 9) Integration into current efforts



# Main Issues of DRR Activities

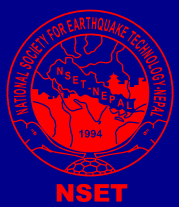
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## 10) Disconnect between research and implementation

- **Guidance to agencies**
- **Comprehensive – what you achieve by doing what?**
- **Level of understanding**
  - acceptable level of risks & achievable levels of safety
  - disaster proof vs. disaster resistant

## 11) How much to invest for achieving what?

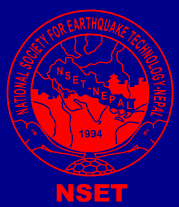
- **Gap between knowledge level at international and local implementation priorities & methodologies**
- **Building code not taught; structural dynamics emphasized.**



# Types of Information Resources Needed

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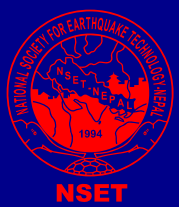
- **How To's**
- **Lessons learned**
- **Monographs**
  - **e.g.. For non-engineered buildings, hazard specific technologies**
- **Specific problems - solutions**
- **Successful approaches and cases**
- **Methodologies, technologies (software's)**



# Possible/Expected Role of Disaster Information Initiatives

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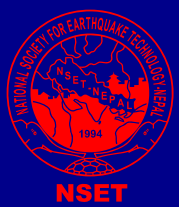
- Provide information, data base
- Convince key player (Govt., Financial agencies, donors, UN system)
- National level workshop, meetings
- International forums



# Possible/Expected Role of Disaster Information Initiatives

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- **Endorsement of good practices with statement of achievable level of safety e.g.. building code**
  - **Implementation of what exists is difficult**
  - **Need to go higher because there are advanced researches**
- **Regional / sub-regional / National Workshops**



# Possible/Expected Role of Disaster Information Initiatives

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- **Endorse initiative standards, definitions, level of safety**
- **Support local initiatives in researches, be a part and help disseminate (e.g. stonemasonry)**
- **Technical Audit**
- **International working groups**



Sanskriti Foundation Nepal  
VIMALA PRIMARY SCHOOL

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विमला प्राथमिक विद्यालय

**Thank You!**