



Organizer: NSET

Chair: Mr. Varun Prasad Shrestha, President, NSET
 Convener: Dr. Amod Mani Dixit, Executive Director, NSET
 Co-Convener: Mr. Surya Narayan Shrestha, Dy, Executive Director, NSET
 Members: Mr. Yogeshwor Krishna Parajuli
 Mr. Sri Ram Singh Basnet
 Mr. Manohar Raj Bhandari
 Secretariat: Ms. Niva Upreti, nupreti@nset.org.np
 Ms. Rita Thakuri rthakuri@nset.org.np

Advisors:

Prominent Nepali and International professionals are being requested to serve as advisors for the conference. We will give details in the second circular



Technical Committee:

- | | |
|-------------------------------|-------------------------------|
| 1. Dr. Basant Adhikari | 7. Dr. Hari Ram Parajuli |
| 2. Mr. Sri Ram Singh Basnet | 8. Mr. Surya Bhakta Sangachhe |
| 3. Dr. Ramesh Guragain | 9. Dr. Somnath Sapkota,DMG |
| 4. Dr. Narayan Marasini | 10. Mr. Dwarika Shrestha |
| 5. Prof. Dr. Prem Nath Maskey | 11. Ms. Hima Shrestha |
| 6. Dr. Bishnu Hari Pandey | |

Timelines/Key dates for you and us:

First Circular: January 15, 2018
 Your expression of Interest to attend and contribute: February 25, 2018
 Second Circular: March 15, 2018
 Confirmation of Attendance: March 31, 2018
 Third Circular: April 15, 2018
 Conference: June 18 - 20, 2018

Your response:

Please respond, query and send your information on your participation in RISK2RESILIENCE to:

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NSET
Earthquake Safe Communities in Nepal

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RISK2RESILIENCE

A Collective Journey toward a Safer Future
 through Preparedness, Building Better and Building Back Better

An International Conference organized on
 the occasion of 25th Anniversary of NSET
 18-20 June 2018, Kathmandu

- Learning from the Past 3 Decades
- Understanding the Present
- Searching the Future



NSET
Earthquake Safe Communities in Nepal

Background

Sitting astride the boundary between the Tibetan and the Indian tectonic plates, Nepal faces very high seismic hazard. The country has a long history of destructive earthquakes. The first recorded earthquake in history of Nepal took place on June 7, 1255 AD. Since then, Nepal suffered from at least 10 large earthquake shaking including the January 1934 M8.3 Great Bihar Nepal Earthquake which destroyed 20 percent and damaged 40 percent of the valley's building stock.

The M6.6 Udayapur Earthquake of 1988 was an "Eye Opener" – it affected eastern Nepal including several urban centers including the capital of Kathmandu, reminded the devastation by the 1934 earthquake, and convinced the people and the government to address the problems of earthquakes in a strategic way. The government, during 1992-1994, formulated the National Building Code (NBC) based on an understanding of geology and seismicity, the prevailing building construction practices, both indigenous as well as modern, and the building construction materials used. The earthquake-centric building code provided prescriptions for engineered buildings as well as pre-engineered Mandatory Rules of Thumb for improving the seismic

performance of "non-engineered" owner-driven dwellings that form the majority of the existing building stock even today. Soon, the nation realized that its easier to formulate the code but extremely challenging to enforce it given the lack of proper policy and legal instruments, as well as institutional and human resources capacities. The National Society for Earthquake Technology-Nepal (NSET) was established in 1993, by a group of multidisciplinary professionals who were involved in the formulation of the building code and were confronted with the task of its implementation. Professionals from the government, academia and the private sector organizations suggested to form it as a NGO with the aim of assisting the government and the communities in Nepal in the implementation of the building code. Thus the birth of NSET nearly coincided with the advent of organized approaches

of earthquake risk management in Nepal. Linking government policies and advancements in science and technologies to the peoples' needs, contextualizing available global knowledge, and its implementation for the purpose of reducing earthquake risks has remained the guiding philosophy of NSET ever since its inception.

NSET has been keen in developing and implementing innovative initiatives to links science to the people, to address the need of improving seismic performance of non-engineered buildings of schools and health sector institutions and private residents. We work in close



collaboration with government agencies, academic institutions, private sector organizations as well as charities and financial institutions, both national and international.

The Mw 7.8 Gorkha earthquake sequence of 2015 validated correctness of our empirical approach towards demystifying science and engineering, improving seismic performance of non-engineered buildings and engaging grass-root communities in earthquake vulnerability reduction. The earthquake proved that implementing risk reduction engaging all stakeholders is as much better a strategy than only presenting about the hazards and risks.

To celebrate this success of Nepal in earthquake education and preparedness, and also to commemorate its 25th Anniversary, NSET is going to organize an International Conference **RISK2RESILIENCE: A Collective Journey toward Safer Future through Preparedness, Building Better and Building Back Better** in Kathmandu, Nepal during June 18-20, 2018, with a one-day Field Trip to look at reconstruction progress on June 21, 2018.

RISK2RESILIENCE will be an occasion to look back at what we all collectively did in Nepal and also to look forward to design the future Earthquake Risk Management, to examine the experience of earthquake reconstruction, and help set the way forward in this long journey of earthquake risk management.

RISK2RESILIENCE themes

The conference will be structured into three main segments with both Plenary and Parallel Sessions. Several side events are also planned including a Young Professionals' Session and launching of new research projects.

We invite pertinent papers from experts and professionals from relevant fields.

1) Learning from the experiences of past 3 decades

The sessions will include efforts by government agencies, NSET and other Organizations and individuals.

Plenary: Keynote Presentations	<ul style="list-style-type: none"> National Experiences on ERM International Experiences on ERM Initiatives and innovativeness of NSET's long-term efforts
Parallel Sessions-1	<ul style="list-style-type: none"> Nepal's journey from Yokohama to Sendai Earthquake Risk Management Technology for Developing World since 1988 Udaypur to Gorkha Earthquake: Emergency Management and Response
Parallel Sessions-2	<ul style="list-style-type: none"> DRR Policy/Strategy Earthquake Technologies for Cities, Communities and Households Risk to Resilience: Paradigm Shift from Response to Mitigation

2) Understanding the present

Under this theme, experiences of 2015 Gorkha Earthquake and Post-Earthquake Reconstruction will be discussed along with identified gaps and progress. Also, an exercise will be done to carve out a pathway of ERM for Nepal for the next decades in line with SFDRR, Paris Agreement and SDG goals.

Parallel Sessions-3	<ul style="list-style-type: none"> Experiences from Gorkha Earthquake: Emergency Management and Response Experiences from Gorkha Earthquake: Reconstruction Experiences from Gorkha Earthquake: Recovery
Plenary Session: Debating the Experiences	<ul style="list-style-type: none"> Type Design vs Contractual Solution In Situ vs Relocation in reconstruction Gorkha earthquake reconstruction: is it SLOW ? Owner-Driven vs Regimental Construction
Plenary Session: Reconstruction to Sustainable Development	<ul style="list-style-type: none"> Attention from 31 devastated districts to 77 districts of Nepal Spreading learning of Reconstruction from Singha Durbar to Municipalities Responsibilities spreading from Mayor to Individual
Plenary Session: ERM Strategy for Nepal for next decade and beyond	<ul style="list-style-type: none"> Introduction and Igniting Group Discussion <ul style="list-style-type: none"> Vision, Mission and Strategies S&T Policy for DRM/ERM Institution building Contextualizing governance Presenting Group Works and discussion in plenary

3) Searching the future

Developing a consensus on ERM Strategy for Nepal and bring out a consequences Resolution.

Plenary Session: ERM Strategy for Nepal	<ul style="list-style-type: none"> Draft Synthesis Presentations
Plenary Session: Resolution and Closing	<ul style="list-style-type: none"> Read out draft Resolution Amendments Closing Remarks