

Experience of Earthquake Risk Management, Preparedness and Reconstruction in Nepal June 18-20, 2018

1 Detail Sessions Plan

Date	Name of Halls				
	Nepa Dhuku, Main Building	Olive Garden, Main Building	Gosaikunda, Main Building (1 st Floor)	Begnas, Annex Building	Rara, Main Building (1 st Floor)
Day 1, June 18, 2018	Opening Ceremony	Technical Session 1	Technical Session 2	Technical Session 3	TS Technical Session 4
		Panel Discussion 1	Panel Discussion 2	Panel Discussion 3	Panel Discussion 4
Day 2, June 19, 2018	Historical Earthquake	Technical Session 5	Technical Session 6	Technical Session 7	Technical Session 8
		Technical Session 9	Technical Session 10	Technical Session 11	Technical Session 12
		Panel Discussion 5	Panel Discussion 6	Panel Discussion 7	Panel Discussion 8
Day 3, June 20, 2018	Closing Ceremony	Panel Discussion 9	Panel Discussion 10	Panel Discussion 11	Young Scientists Forum

2 Detail Program

Day 1 : Monday, June 18, 2018 (Asadh 4, 2075)

Learning from the Past

a) Opening Session

Time/ Day	Day 1: Monday, June 18, 2018 (Asadh 4, 2075) Theme: Learning from the Past
8:00-09:00	Registration
9:00-10:30	Opening Ceremony (Hall: Nepa Dhuku) Chief Guest: Hon. Minister Ram Bahadur Thapa "Badal", Ministry of Home Affairs (MOHA)
9:00-9:05	National Anthem
9:05-9:15	Welcome Remarks: Dr. Amod Mani Dixit, Convener, Risk2Resilience and General Secretary, National Society for Earthquake Technology (NSET)
9:15-9:20	Inauguration of the Conference by Chief Guest
9:20-9:30	Address by Mr. Yuba Raj Bhusal, Chief Executive Officer, National Reconstruction Authority (NRA)
9:30-9:40	Address by Prof. Dr. Jibaraj Pokhrel, Vice Chancellor, Nepal Academy of Science and Technology (NAST)
9:40-9:50	Address by the Chief Guest
9:50-10:00	Closing Remarks: Mr. Prem Kumar Rai, Secretary, Ministry of Home Affairs (MOHA)
10:15-10:30	Group Photograph
	Master of Ceremony: Mr. Surya Narayan Shrestha, Executive Director, NSET Session Rapporteur: Ms. Hima Shrestha, Director, EERT, NSET
10:30-11:00	Tea/Coffee Break

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b) Keynote Session Day 1

Time/ Day	Day 1: Monday, June 18, 2018 (Asad 4, 2075) Theme: Learning from the Past
11:00-12:40	A) Learning from the Past: Keynotes (Hall: Nepa Dhuku) Keynote Opening Session Chair: Dr. Amod Mani Dixit
11:00-11:20	Keynote 1 (KN 1): "Policy Intervention and National Building Code Implementation" - Mr. Reshmi Raj Pandey, Chief Secretary, Province 3, Government of Nepal
11:20-11:40	Keynote 2 (KN 2): "Hazard and Risk Studies during the Development of National Building Code" - Dr. Richard Sharpe, Senior Technical Director, BECA, New Zealand
11:40-12:00	Keynote 3 (KN 3): "Midway into NSET's First Half-Century" - Dr. Brian E. Tucker, President, GeoHazards International, USA
12:00-12:20	Keynote 4 (KN 4): "Parliamentarians for Enhancing Political Commitments for DRM" - Dr. Ganga Lal Tuladhar, Former Minister of Education, Nepal
12:20-12:40	Keynote 5 (KN 5): "Strategies for Reducing Earthquake Risk in Nepal: A Proposed Blueprint for Improved Earthquake Monitoring and Interagency Coordination" - Dr. Susan Hough, Seismologist, United States Geological Survey, USA
	Session Coordinator: Ms. Nisha Shrestha, M&E Manager, NSET Rapporteur: Mr. Kapil Bhattarai, Engineer, NSET
12:40-13:30	Lunch Break

c) Technical Sessions Day 1

Time/ Day	Day 1: Monday, June 18, 2018 (Asad 4, 2075) Theme: Learning from the Past
13:30-15:30	Technical Session (TS) 1 SFDRR Priority 1: Understanding Disaster Risk (Hall: Olive Garden)
	SESSION OBJECTIVES 1. Critically look back what we all collectively have accomplished in the past 3 decades in Disaster Risk Reduction in Nepal and what were the hindrances and challenges. 2. Looking forward to the opportunities in accelerating and improving Disaster Resilience in Nepal.
13:30-13:35	Chair: Prof. Dr. Binod Tiwari, California State University, USA
13:35-13:50	"History Seismic Monitoring, Lessons & challenges Dialog NSC" - Mr. Lok Bijay Adhikari, Chief, National Seismological Center, Department of Mines and Geology
13:50-14:05	"PSHA (Nepal) for National Building Code Updates" - Dr. Deepak Chamlagain, Trichandra Campus, Tribhuvan University
14:05-14:20	"Micro-tremors Survey for Micro-zonation Purpose in Kathmandu Area" - Dr. Franco Pettenati, Geophysicist/ Seismologist, OGS, Italy
14:20-14:35	"Risk Study During National Building Code formulation 1994" - Dr. Richard Sharpe, Senior Technical Director, BECA, New Zealand
14:35-14:50	"Buildings of Nepal as Revealed - Gorkha Earthquake" - Dr. Ramesh Guragain, Deputy Executive Director, National Society for Earthquake Technology-Nepal
14:50-15:05	"Seismic Characteristic of Historical Buildings in Nepal" - Prof. Prem Nath Maskey, Institute of Engineering, Tribhuvan University
15:05-15:20	"Seismic Ground Improvement with Soil-reinforcement Panels - Potential non-destructive Seismic Retrofitting Technique for Soft Clay Sites" - Prof. Dr. Binod Tiwari, California State University, USA
15:20-15:35	"The Development of Nepal's Earthquake Early Warning System" - Dr. Garry de la Pomerai, Solution System, Dubai
15:35-15:45	Q/A
	Session Coordinator: Mr. Dev Kumar Maharjan, CEO, Earthquake Safety Solutions (ESS) Rapporteur: Mr. Rabin Chaulagain, Structural Engineer, NSET
15:45-16:00	Tea/Coffee Break

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Time/ Day	Day 1: Monday, June 18, 2018 (Asadh 4, 2075) Theme: Learning from the Past
13:30-15:30	Technical Session (TS) 2 SFDRR Priority 2: Strengthening Disaster Risk Governance to Manage Disaster Risk (Hall: Gosaikunda)
	SESSION OBJECTIVES 1. Share past experiences on Disaster Risk Governance in Nepal. 2. Critically review the accomplishments and consolidate lessons.
13:30-13:35	Chair: Dr. Mahendra Subba, Former DG DUDBC
13:35-13:50	"Advancement of Disaster Policies in Nepal: Natural Calamity Relief Act 1982 to DRR&M 2017, Strategies, Action Plan" - Mr. Umesh Dhakal, Under Secretary, Ministry of Home Affairs
13:50-14:05	"National Building Code for Improving Seismic Performance of All Buildings – Mr. Shambhu KC, Joint Secretary, MoUD "
14:05-14:20	"Efforts Towards Safer Urbanization" - Dr. Mahendra Subba, Former Director General, DUDBC
14:20-14:35	"Requirement for Mandatory Seismic Resilience of Private Hospitals" - Mr. Bibek Sigdel, Engineer, DUDBC
14:35-14:50	Children Safety and Community Resilience/CCDRR - Ms. Pramila Subedi, Save the Children
14:50-15:05	"How Vyas could do National Building Code Implement Components and History of Efforts and Challenges" - Mr. Baikuntha Neupane, Mayor, Vyas Municipality
15:05-15:30	Q/A
	Session Coordinator: Mr. Khadga Sen Oli, Advocate and Outreach Manager, NSET Rapporteur: Mr. Mahanand P. Timalaina, Sr. Communication Officer, NSET
15:30-16:00	Tea/Coffee Break

Time/ Day	Day 1: Monday, June 18, 2018 (Asadh 4, 2075) Theme: Learning from the Past
13:30-15:30	Technical Session (TS) 3 SFDRR Priority 3: Investing in DRR for Resilience (Hall: Begnas)
	SESSION OBJECTIVES 1. Share past experiences on Disaster Risk Governance in Nepal. 2. Critically review the accomplishments and consolidate lessons.
13:30-13:35	Chair: Mr. Sushi Gyewali, Former CEO, NRA
13:35-13:50	"SESP assessment and Preparedness (ADB UNICEF ,Plan and Save the children)" - Mr. Dilip Shekhar Shrestha, CLPIU, National Reconstruction Authority
13:50-14:05	"NBC implement in Dharan Metropolitan City: Approaches, Strategies, Achievements and Lessons Learnt" - Mr. Suraj Shrestha, Sr. Engineer, Dharan Metropolitan City
14:05-14:20	"CBDRM - What Worked and What Didn't (Analyses of the case of Kirtipur, KMC Ward 17, LDRMP development and in action" - Mr. Bijay Krishna Upadhyay, Director, NSET
14:20-14:35	"Efforts of media in Disaster Risk Communication, Success Achieved and Challenges Faced" - Mr. Shreeram Singh Basnet, DRR Journalist
14:35-14:50	"Disaster Risk Reduction Efforts of Private Sector Businesses of Nepal and Achievements Made"
14:50-15:05	"The Need for a Comprehensive Thought on Urban Regeneration/Reconstruction, RSLUP, and Reconstruction of Cultural Heritage" - Mr. Surya Bhakta Sangachhe, Sr. Technical Advisor, NSET
15:05-15:35	Innovation in Earthquake Risk Management in Nepal – <ul style="list-style-type: none"> • Mason Training on Earthquake-resistant Building Construction • Shake Table Demonstration • Annual Earthquake Safety Day (ESD) • Simple Earthquake Damage/Loss Scenario and Action Planning for Earthquake Risk Management Facilitation - Ms. Nisha Shrestha Mr. Bal K Kasula, Trained Mason Ms. Kopila, NSM, Women Group Mr. Rabindra Lal Mul, Engineer, Vyas Municipality
15:35-15:45	Q/A
	Session Coordinator: Ms. Nisha Shrestha, M&E Manager, NSET Rapporteur: Ms. Aditi Dhakal, Urban Planner, NSET
15:45-16:00	Tea/Coffee Break

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Time/ Day	Day 1: Monday, June 18, 2018 (Asadh 4, 2075) Theme: Learning from the Past
13:30-15:30	Technical Session (TS) 4 SFDRR Priority 4: Disaster Preparedness for Effective Response, Build Back Better (BBB) in Recovery, Rehabilitation and Reconstruction (Hall: Rara)
	SESSION OBJECTIVES To discuss on: 1. Current status of response mechanism, the hindrances and challenges in the past 3 decades in Disaster Risk Reduction. 2. Disaster preparedness and response during Gorkha Earthquake 2015 by different organizations. 3. Strengthening the existing capacity of the rescue force like Nepal Army, Nepal Police and Armed Police Force.
13:30-13:35	Chair: DIG Thule Rai, Nepal Police
13:35-13:50	"Learning from the Experience of Past 3 Decades" - Mr. Daya Ram Shrestha, Section Officer, Ministry of Home Affairs
13:50-14:05	"Disaster Preparedness and Response of Nepalese Army" - Nepali Army
14:05-14:20	"Disaster Preparedness and Response of Nepal Police" - DSP Sameer Kharel, Nepal Police
14:20-14:35	"Disaster Preparedness and Response of Nepal Armed Police Force" - Nepal Armed Police Force
14:35-14:50	"Disaster Preparedness of Nepal Red Cross Society" - Mr. Bhoj Raj Ghimire, Senior Program Officer, NRCS
14:50-15:05	"Experience of Kathmandu Metropolitan City on Disaster Preparedness" - Mr. Indra Man Suwal, Kathmandu Metropolitan City
15:05-15:20	"Program for Enhancement of Emergency Response/Disaster Preparedness Emergency Response contribution for Preparedness for Emergency Response" - Mr. Aditya Tamang, Civil Engineer, NSET
15:20-15:30	Q/A
	Session Coordinator: Mr. Ganesh Kumar Jimee, Director, DPER Division, NSET Rapporteur: Ms. Maritess Tandingan, Dy. COP, PEER Program, NSET
15:45-16:00	Tea/Coffee Break

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d) Panel Discussion Day 1

Time/ Day	Day 1: Monday, June 18, 2018 (Asadh 4, 2075) Theme: Learning from the Past
16:00 -17:30	Panel Discussion (PD) 1 SFDRR Priority 1: Understanding Disaster Risk (Hall: Olive Garden)
	SESSION OBJECTIVES 1. Critically look back what we all collectively have accomplished in the past 3 decades in risk identification and loss estimation in Nepal and what were the hindrances and challenges. 2. Looking forward to the opportunities in accelerating and improving risk identification and loss estimation in Nepal.
	Key Questions 1. What has been done as a research in the field of hazard, vulnerability and risk and loss estimation? What is the status of these works? 2. There are many risk assessments done by many organizations. Is it necessary? Which agency is responsible for standardizing it? 3. There are lots of hazard maps prepared by different organizations. This creates confusion to the users. In this context, is there any standard procedure laid by the Nepal Government for standardization of this work? And how reliable those maps are? 4. Is there any standard guideline to use those maps by the local government? 5. How these maps are helpful to policy formation and planning the risk reduction strategy? How helpful for actual risk reduction? 6. How local government can contribute to improve those maps? 7. The research that is done during the past decades has been translated to the action or not? What shall be done so that research done can be translated into action? 8. What should be done by different stakeholders (researchers, academia, central government and local government for better understanding the risk and act accordingly.
	Moderator: Dr. Ramesh Guragain, Deputy Executive Director, NSET
	Panelists: 1. Mr. Dwarika Shrestha Joint Secretary, Ministry of Urban Development 2. Mr. Rabindra Lal Mul, Engineer, Vyas Municipality 3. Mr. Rudra Tamang, Joint Secretary, Ministry of Federal Affairs and General Administration 4. Mr. Janak Raj Joshi, Joint Secretary, Ministry of Agriculture, Land Management and Cooperatives 5. Mr. Rajendra Khanal, Director General, Department of Mines and Geology 6. Prof. Kimiro Meguro, Director, ICUS, IIS, University of Tokyo
	Session Coordinator: Mr. Dev Kumar Maharjan, CEO, ESS Rapporteur: Mr. Aashis Tiwari, Engineer, NSET
	Summary

Time/ Day	Day 1: Monday, June 18, 2018 (Asadh 4, 2075) Theme: Learning from the Past
16:00 -17:30	Panel Discussion (PD) 2: SFDRR Priority 2: Strengthening Disaster Risk Governance to Manage Disaster Risk (Hall: Gosaikunda)
	SESSION OBJECTIVES 1. Share past experiences on Disaster Risk Governance in Nepal. 2. Critically review the accomplishments and consolidate lessons.
	Key Questions: • What are the main efforts on Disaster Risk Governance in the past 3 decades? • What are the major accomplishments? • What went well and what needs improvement? - What are the strengths? What are the gaps identified? What could be the remedies? - What are the major lessons?
	Chair : Mr. Prem Kumar Rai, Secretary, MOHA
	Moderator: Mr. Jagadish Kharel, Journalist, Media Helpline
	Panelists: 1. Hon Ram Narayan Bidari, Member, National Assembly 2. Mr. Shiva Hari Sharma, Director General, Department of Urban Development and Building Construction (DUDBC)

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	<p>3. Dr. Hari Lamsal, Joint Secretary, Ministry of Education 4. Dr. Dipendra Raman Singh, Chief, Hospital Emergency Operation Center HEOC, Ministry of Health 5. Prof. Dr. Meen B. Poudyal Chhetri, President, Nepal Centre for Disaster Management 6. Mr. Ram Prasad Bhattarai, Vice Chair, Disaster Preparedness Network Nepal (DPNet) 7. Dr. Brian E. Tucker, President, GeoHazard International, USA 8. Mr. Surya Narayan Shrestha, Executive Director, NSET</p> <p>Session Coordinator: Mr. Khadga Sen Oli, Advocacy and Outreach Manager, NSET Rapporteur: Mr. Mahananda Timilsina, Sr. Communication Officer, NSET</p>
	Summary

Time/ Day	Day 1: Monday, June 18, 2018 (Asadh 4, 2075) Theme: Learning from the Past
16:00 -17:30	<p>Panel Discussion (PD) 3: SFDRR Priority 3: Investing in DRR for Resilience (Hall: Begnas)</p> <p>SESSION OBJECTIVES The session aims to answer the following questions: 1. What were the challenges and opportunities in the past 3 decades in Disaster Risk Reduction in Nepal? 2. What could be the way forward for the strategic Investment in DRR by different stakeholders in Nepal?</p> <p>Key Guiding Questions: 1. What has been done so far in DRR across sectors and across time? For eg: • For disaster risk reduction measures in critical facilities, in schools and hospitals and physical infrastructures. • For risk reduction activities at the local level, provincial level, central level. • For revision of existing or the development of new building codes and standards and rehabilitation and reconstruction practices at the national or local levels. • For mainstreaming of disaster risk assessments into land-use policy development and implementation. • For the allocation of the necessary resources for the development and the implementation of disaster risk reduction strategies, policies, plans, laws and regulations in all relevant sectors.</p> <p>Moderator: Sunil Koirala, Journalist, All 3 Media</p> <p>Panelists: 1. Mr. Mani Ram Gelal, DDG DUDBC 2. Mr. MinMan Shrestha, GS, NLHDA 3. Mr. Bidhya Sunder Shakya, Mayor, KMC 4. Mr. Deepak Sharma, Director, DOE 5. Mr. Gehendra Gurung, Team Leader, Practical Action 6. Mr. Anand Nepal, CEO, Jagadamba Steel 7. Mr. Hareram Shrestha, President, NEA</p> <p>Session Coordinator: Ms. Nisha Shrestha, M&E Manager, NSET Rapporteur: Mr. Kapil Bhattarai, Civil Engineer, NSET</p>
	Summary

Time/ Day	Day 1: Monday, June 18, 2018 (Asadh 4, 2075) Theme: Learning from the Past
16:00 -17:30	<p>Panel Discussion (PD) 4: SFDRR Priority 4: Disaster Preparedness for Effective Response, Build Back Better (BBB) in Recovery, Rehabilitation and Reconstruction (Hall: Rara)</p> <p>SESSION OBJECTIVES To discuss on: 1. Current status of response mechanism, the hindrances and challenges in the past 3 decades in Disaster Risk Reduction. 2. Disaster preparedness and response during Gorkha Earthquake 2015 by different organizations.</p>

<p>3. Strengthening the existing capacity of the rescue force like Nepal Army, Nepal Police and Armed Police Force.</p>
<p>1. Accomplishments in the past 3 decades in the field of DRM</p> <ul style="list-style-type: none">• What have we done to reduce disaster in past 3 decades?• Which areas were mainly focused for DRM, if any?• Are you satisfied with the accomplishment on DRM? <p>2. Hindrances and challenges in the past 3 decades in DRM</p> <ul style="list-style-type: none">• What were the challenges in the past three decades?• What became the main obstacles in the path of DRM?• Which was the most difficult sector to work with during DRM planning? <p>3. Opportunities in accelerating in DRM</p> <ul style="list-style-type: none">• What were the emerging areas that you encounter in the way to DRM?• What can be the opportunities which can be used as sources of DRM?• Who were mostly benefitted other than the local population during steps to DRM? <p>4. Future strategies for making Nepal disaster resilient</p> <ul style="list-style-type: none">• What should we do to make Nepal disaster-safe?• How can we solve the shortcoming that were noticed during DRM?• Which sector should be more active in making Nepal disaster resilient?
<p>Moderator: Mr. Kalpana Bhandari, Journalist, Watch Dog Media</p>
<p>Panelists</p> <ol style="list-style-type: none">1. Mr. Kedar Neupane, Joint Secretary, Ministry of Home Affairs2. Mr. Jit Gurung, Brig Gen, Nepali Army3. Mr. Thule Rai, DIG, Nepal Police4. Representative, Armed Police Force (APF), Nepal5. Mr. Dharmaraj Pandey, NRCS6. Representative, Social Welfare Council7. Prof. Vinod Kumar Sharma, Hon. Vice Chairman, Sikkim State Disaster Management Authority (SSDMA), India
<p>Session Coordinator: Ms Maritess Tandingan, Dy. COP, PEER Program, NSET Rapporteur: Ms. Manisha Pantha, Course Material Development Specialist, NSET</p>
<p>Summary</p>