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# Programme of the International Symposium on 'Changing Mountain Environments in Asia'

## Day 1 (Sunday, 7 October)

**08:00 - 17:00**     **Registration**

**09:00 - 10:35**     **Inaugural Ceremony (Chair: Hira Bahadur Maharjan)**

- 09:00 - 09:10     Welcoming the dignitaries to the dais
- 09:10 - 09:20     Welcome  
Guan Nidhi Nyeupane (Rector, Tribhuvan University)
- 09:20 - 09:25     Inauguration  
Chief Guest, Hon. Minister Keshab Man Shakya  
(Ministry of Environment, Science and Technology, Nepal)
- 09:25 - 09:40     Opening Remarks  
His Excellency Kunio Takahashi (Japanese Ambassador to Nepal)
- 09:40 - 10:00     Keynote Speech 'Demographic, economic and spatial transition  
in Nepal: Implications for the mountain environment'  
Pitambar Sharma (Former Vice Chair of the National Planning  
Commission, Government of Nepal)
- 10:00 - 10:10     Inaugural Speech  
Chief Guest, Hon. Minister Keshab Man Shakya  
(Ministry of Environment, Science and Technology, Nepal)
- 10:10 - 10:25     Vote of Thanks  
Hideaki Shibata (Hokkaido University)
- 10:25 - 10:35     Chair Person's Remarks and Closing of Inaugural Ceremony  
Hira Bahadur Maharjan (Vice Chancellor, Tribhuvan University)

**10:35 - 11:05**     **Group photo & Coffee/Tea break (In the garden)**

**11:05 - 13:15**     **Session 1: LUCC (Chair: Hideaki Shibata)**

- 11:05 - 11:45     Keynote Lecture 'Beyond anecdotal evidence: Providing systematic  
and national-level evidence on multiple claims on land in the Lao PDR'  
Andreas Heinimann
- 11:45 - 12:00     Land use and land cover change in the Chure (Siwalik) region,  
western Nepal  
Kedar Dahal
- 12:00 - 12:15     Ecological dimensions of land use and land cover change in the  
Siwalik Hills, Nepal  
Motilal Ghimire
- 12:15 - 12:30     Impacts of land use change in the Koshi Hills, eastern Nepal  
Puspa Sharma and Pushkar Kumar Pradhan

12:30 - 12:45     Land use change and its impact on livelihoods: A case from Upper  
Bhotokoshi Area  
Uttam Sagar Shrestha

12:45 - 13:15     Discussion

**13:15 - 14:15**     **Lunch**

**14:15 - 16:00**     **Session 2: Climate change, glacier and hydrology  
(Chair: Takanobu Sawagaki)**

- 14:15 - 14:30     Sensitivity of precipitation on water flow simulation over the Koshi  
River basin, Nepal  
F. Delclaux, L. Neppel, P. Chevallier, N. Gonga-Saholiariliva and M. Savean
- 14:30 - 14:45     Climate change effects on water and agriculture system: A study from Upper  
Kali Gandaki River Basin in Mustang, Nepal  
Prem S. Chapagain
- 14:45 - 15:00     Impact of climate change in snow and glaciers  
Bhabana Thapa
- 15:00 - 15:15     Glacier change in Nepal Himalaya: Myth and reality  
Katsuhiko Asahi
- 15:15 - 15:45     Discussion

**15:45 - 16:05**     **Coffee/Tea break**

**16:05 - 18:35**     **Session 3: HICAP (Chair: Neera Pradhan)**

- 16:05 - 16:15     Introduction to HICAP  
Neera Pradhan
- 16:15 - 16:30     Hydrological regime of the Brahmaputra river basin: preliminary  
assessment using two model platforms  
Shahriar M. Wahid, Arun B. Shrestha and Sardar M. Shah-Newaz
- 16:30 - 16:45     Preliminary findings on 'Adaptation of Local Livelihoods to Changing  
Ecosystem Goods and Services in the Context of Climate Change and  
Gender Equity in the Hindu-Kush Himalayas'  
E. Valdemar Holmgren
- 16:45 - 17:00     Climate-smart mountain agriculture to improve food security in the  
HKH-region and its effects on land systems  
Sarah Nischalke
- 17:00 - 17:15     Environmental implications of farmers' adaptation to climate change  
Tor H. Aase
- 17:15 - 17:40     Discussion

**18:00 - 20:00**     **Reception**

## Day 2 (Monday, 8 October)

08:00 - 18:20 Registration

### 08:50 - 11:00 Session 4: Urbanization and livelihood (Chair: Puskar K. Pradhan)

08:50 - 09:30 Keynote Lecture 'On measuring carrying capacity of mountain regions'  
Hariharan Ramachandra

09:30 - 09:45 Spatiotemporal modeling of urban growth dynamics in Kathmandu, Nepal  
Rajesh Bahadur Thapa

09:45 - 10:00 Place attachment and mobility of people in Rai community of Bhojpur, eastern Nepal  
Dhyanendra Bahadur Rai

10:00 - 10:15 Impact of outmigration of population on farming system and household income in the hills of Nepal  
Chhabi Lal Chidi

10:15 - 10:30 Role of large cardamom on environment and livelihoods: A case of Panchthar District  
Shiba Prasad Rijal

10:30 - 11:00 Discussion

### 11:00 - 12:30 Session 5: Forest and biodiversity (Chair: Tirtha Bahadur Shrestha)

11:00 - 11:15 Institutional dimensions and changing role of forest management governance in Dehradun Valley  
R.B. Singh, P. Kumria and K. Kimoto

10:25 - 10:35 Joint forest management: Community response and local governance in drylands: A case of Alwar, Rajasthan, India  
R.B. Singh, Ajay Kumar and K. Kimoto

11:30 - 11:45 Bacterial population on the phyllosphere of woody species in subtropical environment at Shivapuri-Nagarjun National Park, central Nepal  
Ram Kailash P. Yadav, Sushila Shrestha, Chandra P. Pokhrel and Pramod Kumar Jha

11:45 - 12:00 Community seed banking in agrobiodiversity conservation and mycoflora in stored paddy seeds  
Chandra P. Pokhrel, Vimala Bhandari, Pramesh Lakhey and Ram Kailash P. Yadav

12:00 - 12:30 Discussion

12:30 - 13:30 Lunch

### 13:30 - 15:00 Session 6: Pastoralism 1 (Chair: Teiji Watanabe)

13:30 - 13:45 Pathways of social-environmental transformation in pastoral social ecological systems in the Global South: A research proposal  
Julio C. Postigo

13:45 - 14:00 Livestock farming in Hussaini village, Gojal district, northern Pakistan: From stagnation to decline  
Kazuo Mizushima

14:00 - 14:15 Changing use of pastures: A case study of the sheep herders of East Nepal  
Kazuyuki Watanabe

14:15 - 14:30 The transhumance of cattle by Tibetans in the northwestern part of Yunnan Province, Southwest China  
Shigeru Shirasaka and Guo-Quing Du

14:30 - 15:00 Discussion

### 15:00 - 16:30 Session 7: Pastoralism 2 (Chair: Eklabya Sharma)

15:00 - 15:15 Pastoral adaptation strategies to challenges of the post-Soviet era in the eastern Pamir and the western Tien Shan  
Andrei Doerre

15:15 - 15:30 Assessing vegetation cover changes induced by livestock grazing in the Alai Valley, the Kyrgyz Republic in and after the Soviet time  
Jie Liu, Teiji Watanabe, Shigeru Shirasaka and Ikuko Miyahara

15:30 - 15:45 Changing pastures in the Himalaya  
Lila Nath Sharma

15:45 - 16:00 Himalayan rangeland ownership of Milke-Jaljala, eastern Nepal  
Dilkumar Limbu, Madan Koirala and Shang Zhanhuan

16:00 - 16:30 Discussion

16:30 - 17:00 Coffee/Tea break

17:00 - 19:00 Poster session

## Day 3 (Tuesday, 9 October)

08:30 - 18:20	Registration	13:45 - 14:00	Soil erosion modeling for sustainability of land system in Middle mountain areas in Nepal: GI Science approach Umesh Kumar Mandal
09:00 - 10:30	<b>Session 8: Tourism (Chair: Pramod Kumar Jha)</b>	14:00 - 14:30	Discussion
09:00 - 09:15	Mountaineering tourism in Nepal Padma Chandra Poudel	<b>14:30 - 16:00</b>	<b>Session 11: Glacier and disaster risk (Chair: To Be Announced)</b>
09:15 - 09:30	Mountain tourism and its impact on livelihood Ram Sharan Pathak	14:30 - 14:45	Importance of field work in natural disaster risk assessments in high mountains Daene C. McKinney, Marcelo Somos-Valenzuela and Alton Byers
09:30 - 09:45	Impacts of tourism on water quality in Khumbu region, Nepal Narayan Prasad Ghimire, Pramod Kumar Jha and G.U. Caravello	14:45 - 15:00	Glacial lake development of Chamlang South Glacier and its prospect to GLOF occurrence Damodar Lamsal, Teiji Watanabe and Takanobu Sawagaki
09:45 - 10:00	Ecotourism through the traditional and local practices -A case study of Langtang National Park in Nepal- Kazuko Tatsumi and Phurpa Tamang	15:00 - 15:15	Investigation of the Seti River disaster (May 5, 2012) and assessment of past and future mountain hazards facing Pokhara, Nepal and upstream communities Dhananjay Regmi and Jeffrey Kargel
10:00 - 10:30	Discussion	15:15 - 15:30	Hydrological assessment of significant lakes in Broghil and Qurumber valleys, Pakistan Ahmad Said and Samiullah Khan
<b>10:30 - 12:20</b>	<b>Session 9: Mountain environments (Chair: Suresh Raj Chalise)</b>	15:30 - 16:00	Discussion
10:30 - 10:45	Carbon stock estimation and analysis of altitudinal carbon content variation: A case study of Thulonagi Community Forest, Dolakha district, Nepal Kendra Jyoti Khadka, Kedar Rijal and Ramesh Prasad Sapkota	<b>16:00 - 16:30</b>	<b>Coffee/Tea break</b>
10:45 - 11:00	GPS collar tracking of argali ( <i>Ovis ammon</i> ) in the Sarychat-Ertash State Reserve, Kyrgyz Republic: Problems on wildlife management Shigeyuki Izumiyama, Maksat Anarbaev and Teiji Watanabe	<b>16:30 - 18:10</b>	<b>Session 12: Mountain environments (Chair: Teiji Watanabe)</b>
11:00 - 11:30	Discussion	16:30 - 16:45	Eco-crisis in the Himalayas: Is it realistic or utopian? Hriday L. Koirala
<b>11:30 - 13:00</b>	<b>Lunch</b>	16:45 - 17:00	Landscape dynamics in Chure hills and upstream - downstream linkages Narendra Raj Khanal
<b>13:00 - 14:30</b>	<b>Session 10: Disaster risk (Chair: Narendra Raj Khanal)</b>	17:00 - 17:15	Lessens learnt from Participatory Watershed Management Project in Nepal Koji Terakawa
13:00 - 13:15	Landslide hazard in mountain areas of Nepal Balaram Raya	17:15 - 17:30	Field research and action projects: Two case studies from the Sagarmatha (Mt. Everest) National Park, Nepal Alton C. Byers
13:15 - 13:30	Landslides hazard analysis of upper Madi, Nepal Sher Bahadur Gurung	17:30 - 18:00	Discussion
13:30 - 13:45	Disaster mitigation and landscape protection in the Western Ghats Mountain region of Kerala: Challenges under a changing climate K. Shadananan Nair	18:00 - 18:10	Closing (Vote of thanks)      Teiji Watanabe

## Poster Session 17:00 – 19:00, Monday, 8 October 2012

Status of wetland in Nepal -a case study of Beesh Hazari Lake

Pabitra Aryal

Climate change perception study: A case study of Pakjarbas VDCs of Ramechhap district, eastern Nepal

Suresh Bhandari

Assessment of carbon stock in Lake Nagadaha and its adjacent agriculture land, Dhapakhel, Lalitpur

Mamtha Bhatta

Lichen species richness pattern along land use and elevational gradients in Kanchenjunga, Nepal

Til Bikram Chongbang and Chitra Bahadur Baniya

Study of agricultural productivity and food security in response to climate change of Nepal: A case study of Manaslu Conservation Area

Bunu Gauli

A case study on climate change vulnerability of Lalu VDC of Kalikot district

Rupendra Ghale

Tourism and development in Khadbari area

Kopila Karki and Padma Chandra Poudel

Biophysical and socio-economic impacts of downstream area of Kulekhani dam for inter-basin transfer of water from Kulekhani to Rapti river

Jeevan Kutu, Binod Kutu, Narendra Raj Khanal, Hriday Lal Koirala, Pushpa Sharma and Sher Bahadur Gurung

Change in surface area of non-debris covered glaciers in Hinku and Hongu valleys in the eastern Nepal Himalaya between 1964 and 2008

Damodar Lamsal and Teiji Watanabe

Rapid assessment of trail degradation in Shei-Pa National Park, Taiwan

Yen-Liang Lee and Teiji Watanabe

Environmental and economic cost of Yarsagumba collection in Majhphal VDC of Dolpa district, Nepal

Kamal Bahadur Nepali and Bharat Babu Shrestha

Response of *Pinus wallichiana* to climate change: A case study from Manaslu Conservation Area, western Nepal

Sangita Pant

Seed germination behaviour of *Gaultheira fragrantissima* and *Gaultheria nummularioides*

Anju Poudel

Trekking tourism and development: A study along Manebhanjang to Namche Bazaar trekking route

Subash Rai and Padma C. Poudel

Climate change vulnerability assessment: A case study of Raha VDC, Dolpa

Deepak Rajbanshi

Allelopathic effects of aqueous extract of leaves of *Mikania micrantha* on seed germination and seedling growth of some herbaceous plants

Anita Sahu and Anjana Devkota

Changing transhumance in Sary Tash, southern Kyrgyzstan

Feng Song, Teiji Watanabe and Shigeru Shirasaka

Application of a glacier flow model in the reconstruction of past glacier ELA – Combination of geomorphological interpretation and glacier dynamics –

Takanobu Sawagaki, Yousuke Abe and Satoru Yamaguchi

Impacts of inter-basin transfer of water: A case study of Rapti Basin, central Nepal

Bishnu Kumar Tamang, Bhushan Prakash Bhandari, Narendra Raj Khanal, Hriday Lal Koirala, Pushpa Sharma and Sher Bahadur Gurung

Elevational species richness pattern in Manaslu Conservation Area, Nepal

Ajay Thakali and Chitra Bahadur Baniya

NDVI-based vegetation change trend and its response to climate changes in Koshi Basin in middle Himalaya Mountain on the world's Third Pole

Yili Zhang, Jungang Gao, Linshan Liu, Zhaofeng Wang, Mingjun Ding and Xuchao Yang

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