

International Workshop
On
Land Use and Land Cover Change and Its
Impact on Ecosystem and Sustainable
Development in High Asia

18-19 March, 2019

New Delhi, India

Land is a scarce natural resource that faces demand from diverse sectors, creating many challenges especially in developing countries. Land use and land use changes can significantly contribute to overall climate changes. Mountain regions are known for their rich environments and diverse biodiversity but, with the growth of population, rising urbanization and development initiatives in the mountains and the adjoining plain region, they face many challenges. It is notable that even for a small change in mountain areas, the consequences are not only limited in the mountain areas but they also affect the surrounding territories. On the other hand, global changes too have intense impact on the nature and society especially in the Himalayan regions. The impacts of such changes have drawn substantial the attention of many scientists to carry out research work to understand the processes of change, their implications and the mitigation measures and adaptation to the changes in the world's critical trans-boundary regions of the Himalayas. So the motivation and the purpose of this workshop is to exchange and share the latest research findings and knowledge of land use and land cover change and its impact on ecosystem, the socio-economic fabric and sustainable development in the Himalayas regions. It is hoped that the conclusions derived after the workshop would help to develop strategies, policies and activities in the entire field in the way forward for sustainable development.

Conference Themes and Special Focus:

- ❖ Land use and land cover change
- ❖ Ecosystem services
- ❖ Climate change impact and adaptation strategies
- ❖ Sustainable development
- ❖ Policies implication

Organizer and Partners:

- Department of Land Science and Biogeography, Institute of Geographic Sciences and Natural Resources Research (IGSNRR), Chinese Academy of Sciences (CAS), China
- International Centre for Integrated Mountain Development (ICIMOD)
- Institute of Economic Growth (IEG), Delhi University of Enclave, India
- Central Department of Geography (CDG), Tribhuvan University (TU), Nepal
- Nepal Geographical Society, Nepal

Venue:

V.K.R.V. Rao Hall, Institute of Economic Growth (IEG)

University Enclave, University of Delhi (North Campus)

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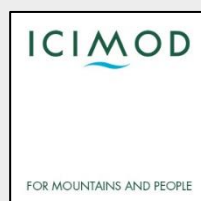
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Tentative Agenda (18th March 2019, Monday)

Time	Activity
09:30 – 10:15	Registration (VKRV Rao Hall)
10:15 – 10:45	Welcome Remarks <ul style="list-style-type: none"> • Prof. Arup Mitra, IEG, India • Prof. Yili Zhang, IGSNRR, China • Prof. Nilabja Ghosh, IEG, India
10:45 – 11:15	Group photograph, followed by tea/coffee break
Session 1	Chair: Prof. Md. Nurul Islam, Jahangirnagar University
11:15 – 11:30	Introduction of IGSNRR and its scientific cooperation with the South Asia <p>Presenter: Prof. Yili Zhang, IGSNRR, China</p>
11:30 – 11:45	Geospatial technologies crucial to the success of Sustainable Development Goals: Some Insights from the Himalayas <p>Presenter: Dr. Seema Mehra Parihar, University of Delhi, India</p>
11:45 – 12:00	Research Progress in Land Use and Land Cover Change and its Impact on Ecosystem in the Koshi Basin <p>Presenter: Dr. Linshan Liu, IGSNRR, China</p>
Session 2	Chair: Dr. Sangeeta Chakravarty, IEG
12:00 – 12:15	Sedimentation, vegetation type and land use dynamics of the Jamuna river floodplain in Bangladesh <p>Presenter: Prof. Md. Nurul Islam, Jahangirnagar University, Bangladesh</p>
12:15 – 12:30	Change in forest cover and water availability in upper Himalayas <p>Presenter: Prof. Saudamini Das, IEG, India</p>
12:30 – 12:45	Land Use in India: Data, tendencies and implications <p>Presenter: Prof. Nilabja Ghosh, IEG, India</p>

12:45 – 01:00	<p>Agriculture Policy in Nepal</p> <p>Presenter: Prof. Pashupati Nepal, Tribhuvan University, Nepal</p>
01:00 – 02:00	Lunch break
Session 3	Chair: Prof. Pravakar Sahoo, IEG
02:00 – 02:15	<p>Labor migration and energy consumption in the upper Koshi River watershed</p> <p>Presenter: Prof. Jianzhong Yan, Southwest University, China</p>
02:15 – 02:30	<p>Land Use and livelihood changes in upper Kali-Gandaki river basin in Nepal</p> <p>Presenter: Dr. Prem Sagar Chapagain, Tribhuvan University, Nepal</p>
02:30 – 02:45	<p>Agricultural development transition and driving mechanism in China</p> <p>Presenter: Dr. Liangjie Xin, IGSNRR, China</p>
02:45 – 03:00	<p>Screening the agricultural land abandonment and their drivers in different ecological regions of Koshi River Basin, Central Himalayas: Synergy of UAV and Social survey</p> <p>Presenter: Dr. Basanta Paudel, IGSNRR, China</p>
Session 4	Chair: Dr. Prem Sagar Chapagain, Tribhuvan University
03:00 – 03:15	<p>Role and likely impacts of Environmental drivers in the Himalayas</p> <p>Presenter: Dr. Anand Sharma, Indian Meteorological Department, India</p>
03:15 – 03:30	<p>Importance of Mountain rainfall for India's Food Production: Econometric modeling</p> <p>Presenter: Ms. Satarupa Chakravarty, Ms. Alka Singh, Prof. Nilabja Ghosh, IEG, India</p>

03:30 – 03:45	Satellite Remote Sensing and Agricultural Land use Presenter: Dr. Shibendu S Ray, Mahalanobis National Crop Forecast Centre, India
03:45 – 04:00	Vegetation Area Determination based on RGB Index: Innovation and Instrumenting with Drone Presenter: Mr. Vinod K Tyagi, IEG, India
04:00 – 04:15	Tea Break
Session 5	Chair: Prof. C. S. C. Sekhar, IEG
04:15 – 04:30	Fog over Indo-Gangetic plain: Role of land use/land cover changes Presenter: Ms. Saumya G Kutty, Prof. A. P. Dimri, Jawaharlal Nehru University, India
04:30 – 04:45	Vertical change of land cover in the Koshi River Basin from 1990 to 2015 Presenter: Dr. Xue Wu, IGSNRR, China
04:45 – 05:00	Land-use changes/Urbanization in Himalayan regions using Geospatial technologies Presenter: Dr. Subhash Anand, University of Delhi, India
05:00 – 05:15	Land use and land cover change and impact on ecosystem service values in the trans-boundary Gandaki River Basin, Central Himalayas Presenter: Mr. Raju Rai, IGSNRR, China
05:15 – 05:30	Research Progress in Land Use and Land Cover Change and its Impact on Ecosystem in the Koshi Basin Presenter: Mr. Partho Protim Mondal, IGSNRR, China
05:30 – 05:45	Closing Remarks & Vote of Thanks by Prof. Nilabja Ghosh, IEG