



Workshop on Integrated Studies of Environmental Changes and Climate Adaptation Responses in the Tibet-Himalayan Region

**Soaltee Crowne Plaza
Kathmandu, Nepal**

13th - 15th September 2010

Date	Session	Activities & Outcomes
Mon 13 th		
All day	<p>Session 1: State of current Knowledge and Research</p> <p>Four panels:</p> <ul style="list-style-type: none"> ➤ <i>Changes of Water resources</i> ➤ <i>Changes of land/ecosystem</i> ➤ <i>Climate governance</i> ➤ <i>Regional network</i> 	Assess and document the current research status and projects from each country/region. Speakers from various institutions will provide a 15 minute overview of their research and knowledge gaps followed by 5-min question time. Develop questions and points for further discussion in sessions 2 & 3).
18:30~	Reception hosted by MAIRS	Solatee Crown Plaza
		A small group meeting to prepare the discussion next day
Tues 14 th		
09:30-10:15 (each talk 10-15 minutes)	<p>Talk 1: Tibet-Himalaya Ecosystem: A Generic View and Sustainable Governance of Its Resources and Services by Kedar Shrestha</p> <p>Talk 2: Report of land use and land cover changes in Tibetan Plateau by Y. Zhang</p> <p>Talk 3: MRI mountain activities by K. Morton</p>	
10:15-13:00 Coffee break: 11:30-11:50	<p>Session 2: Overview of Current Research (4 reports by each panel rapporteur)</p> <p>Summary</p>	<p>1) Summarise the current research from session 1.</p> <p>2) Identify synergies.</p>

	<p>Session 3: Identify Research Gaps</p> <p>(Chair: Heqing HUANG, topic provider: P. C. Tiwari)</p>	<p>1) Identify research gaps from session 1</p> <p>2) Establish a set of research priorities for the region</p>
<p>14:00-17:30</p> <p>Coffee break:</p> <p>15:40-16:00</p>	<p>Session 4: Opportunities for Collaboration and develop research frameworks programme</p> <p>(Chair: Madhav Karki, Topic provider: Isabel Hilton)</p>	<p>1) Identify potential partnerships and collaboration on specific research topics.</p> <p>2) Explore the option of establishing a research coordination committee to coordinate research activities.</p> <p>3) Develop a strategic framework, or road map, to guide a clear research agenda with shared visions, goals, strategic objectives and projects for the Tibet-Himalayan region.</p>
	<p>Session 5: Knowledge & Information Sharing</p> <p>(Chair: M. Manton; topic provider: Lance Heath)</p>	<p>1) Discussion session – Determine an effective mechanism to enhance knowledge sharing in the region (e.g. there is a need for a Knowledge Management System (web-based GIS Decision Support System) for the region). Role of the Media and civil society organizations.</p>
	Wrap-up	1) Next Steps
18:30~	Reception hosted by ANU	Solatee Crown Plaza
15th		
9:30-12:00	Discussion continuing if needed	
PM	Social event	to a WMO reference site in Kathmandu

Session 1: State of Current Knowledge and Research

13 September 2010

- 08:30 - 09:00** **Registration**
- 09:00 - 09:20** **Welcome and Introductions (Chair: Ailikun)**
Prof. M. Manton(vice-chair of MAIRS SSC)
Dr. Katherine Morton (ANU)
Mr. Yukihiro Imanari (APN)
Prof. Kedar Shresha (IDI-Nepal, local host)
- 09:20-11.00** **Panel I: Changes of water resources in the Tibet-Himalaya Region (Chair: John Shroder, Rapporteur: Jagannath Adhikari)**
- 09:20-09:40 Recent changes in Himalayan glaciers and glacial lakes: **Koji FUJITA (Nagoya University)**
- 09:40-10:00 Changes of water resources due to climate change in the eastern Nepal Himalaya: **Narendra Shakya (IDI/IOE, Tribhuvan University)**
- 10:00-10:20 Climate change in recent 50 years in eastern Tibetan Plateau: **Anmin DUAN (Institute of atmospheric physics, Chinese academy of sciences)**
- 10:20-10:40 Effect of climate change on water resources in typical drainage basins of Qinghai-Tibet Plateau: **Heqing HUANG, Zhijun YAO (Institute of Geographic and Natural Resources Research, Chinese Academy of Sciences)**
- 10:40-11:00 Consequent implications of climate change impacts on freshwater resources of Pakistan: **Ghazanfar Ali (GCISC, National Centre for Physics, Pakistan)**
- 11:00-11:20** **group photo and coffee break**
- 11:20-13:10** **Panel II: Land and ecosystem changes in the Tibet-Himalaya region (Chair: Kedar Shrestha, Rapporteur: Eddy Moors)**
- 11:20-11:50 Change dynamics and it's reason analysis ecosystem in Three-river headwaters region of Qinghai-Tibet Plateau in recent three decades: **Jiangwen FAN (Institute of Geographic and Natural Resources Research, Chinese Academy of Sciences)**
- 11:50-12:10 Rainfall pattern change and it's impact on water resources and food&livelihood security in Himalaya: **P.C Tiwari (Kumaon University, India)**
- 12:10-12:30 Disasters within disasters- GLOFs and en-glacier floods: **Roohi Rakshan (Water Resources Research Institute, Pakistan)**
- 12:30-12:50 Landslide dams hazards in glacier valleys in Hindukush and Himalaya: **John Shroder (University of Nebraska at Omaha)**
- 12:50-13:10 Landslides of Sikkimi and mitigation for selected slides: **Varn Joshi (G. P. Pant Institute of Himalayan Environment &**

	Development, India)
13:10-14:10	lunch
14:10-15:50	Panel III: Climate governance and water/land management in Tibet-Himalaya region (Chair: Katherine Morton, Rapporteur: Heqing HUANG)
14:10-14:30	Adaptation to changing water resources availability in Northern India with Himalayan glacier retreat and changing monsoon (HIGHNOON): Eddy Moors (Wageningen University)
14:30-14:50	Adaptation of traditional nomadism to modern climate change--a case study of Darlag county in source region of the Yellow River: Wanqi BAI, Yili ZHANG(Institute of Geographic and Natural Resources Research, Chinese Academy of Sciences)
14:50-15:10	Managing saline and acid water quality in canal network in the coastal plain with acid sulphate soils using existing water and infrastructure resources- a modelling approach: Dr Ngo Dang Phong (Nong Lam University, Vietnam)
15:10-15:30	Institutional adaptation strategies to climate risks: Lessons from the Mekong River basin: Ram Chandra Bastakoti (AIT, Thailand)
15:30-15:50	Barriers and bridges to climate change adaptation in the greater Himalaya: a review from northern America: Dr Ed Grumbine (Prescott College, USA)
15:50-16:10	coffee break
16:10-17:30	Panel IV: Regional collaboration framework (Chair: M. Manton, Rapporteur: P.C. Tiwari)
16:10-16:30	APN introduction: Yukihiro Imanari (APN)
16:30-16:50	Environmental changes in Tibet-Himalayan region: Madhav Karki (ICIMOD)
16:50-17:10	Regional collaboration on water and hazards: Hua Ouyang (ICIMOD)
17:10-17:30	BRAC and climate change-challenges and opportunities: Babar Kabir (Disaster, Environment, and Climate Change Programme, Bangladesh)