

S. No	Time		Activity
<u>28 October 2013; Day 1</u>			
1	9.00 am	01.00 pm	Registration
2	9.00 am	10.00 am	Inauguration
3	10.00am	10.15am	Release of eight books related to Climate Change
4	10.15 am	10.30am	Prize Distribution to winners of cartoon competition and Visit to Cartoon Exhibition
5	10.30am	11.00am	Tea Break
6	11.00 am	12. 00 noon	Plenary Lecture-1 - Natural Calamities-Indian Himalayas June 2013 – Harsh K. Gupta President IUGB (Proposed name for the approval of the Organizing secretaries)
7	12. 00 noon	01.00 pm	Plenary Lecture-2 – Earth Science Education in light of Natural Calamities in India -
8	01.00pm	02.00pm	Lunch Break
Climate Change and Media (02.00-05.00pm)			
9	02.00pm	03.00pm	Plenary Lecture-3 on Climate Change and Print Media Lecture-3
10	03.00pm	03.30pm	Tea Break
11	03.30pm	04.30pm	Plenary Lecture-4 on Climate Change and Electronic Media
12	04.30pm	05.00pm	Open Discussion
Cultural Program 6.30 -7.30 pm & Welcome Dinner 7.30 – 9.00 pm			
<u>29 October 2013; Day 2</u>			
S. No	Time (08.30 am – 12.00 noon) Tea break (10.30 am to 11.00 am)		1st Session on Glaciers
1	Invited Lecture- Climate Change and the Recession Pattern of the Glaciers in the Himalayas by V.K. Raina		
2	Estimation of Snowmelt Runoff in Chenab Basin, Western Himalayas by Ms. Retinder Kour		
3	Estimating Glacier Changes in the Spiti Basin (1972-2006) through Remote Sensing Techniques by Dutta Shruti		
4	Glacier Mass Balance Estimation Using Remote Sensing Data In The Himalayan Region And Its Potential For Climate Change Studies by S. K. Singh		
5	Impact Of Climate Change On Himalayan Glaciers And High Altitude Water Resources In Nw Himalaya (India) by R.K. Ganjoo		
6	Does The Himalayan Glacier Study Mean For Climate Change? by Manohar Arora		
7	Identification And Hazard Assessment Of Potentially Dangerous Glacial Lakes In Himachal Pradesh by Rajeshwar Singh Banshtu		
8	Differential melting and distribution of debris cover on the Chhota Shigri glacier, central Himalaya, Himachal Pradesh, India by AL. Ramanathan		
9	Factors influencing glacier meltwater discharge in the Western Himalaya by A.L. Ramanathan)		

10	Does the Himalayan Glacier Study mean for Climate Change? by Manohar Arora	
11	Estimating glacier changes in the Ravi basin (1972-2006) through remote sensing techniques by Shruti Dutta	
12	Dissolved ion chemistry of Bara Shigri glacier melt water, western Himalaya, India by Virendra Bahadur Singh	
13	A Statistical Analysis to Study the Effect of Solar Activity on Gangotri Glacier by Madhvi Jain	
14	Tilting of the vegetation in the ablation zone may be potential indicators of climatic and glacial deviation: A case study by M. P. S. Bisht et.al.	
15	A Statistical Analysis to Study the Effect of Solar Activity on Gangotri Glacier by Madhavi Jain et.al.	
S. No	Time (12.00 noon to 01.00 pm)	2nd Session on Paleo-climate Conditions
1	Invited Lecture	
2	Euphorbiaceous macrofossils from the Himalayan foreland basin of Champawat district, Uttarakhand, India and their palaeoclimatic significance by Alok	
3	Climatic signals and global events in the last 5 ka from a sub-tropical lake in Garhwal Himalaya, India by L. M. Joshi et.al.	
4	Decadal scale fluctuations in the intensity of Indian Summer Monsoon (ISM) and Westerlies in the Central Himalaya (India) for the last ca. 4,500 years- evidence from cave stalagmite record by B. S. Kotlia	
5	Impact of climate change on heterotrophic bacterial communities in the water and sediment of Kongsfjord in Norwegian arctic by Hatha A.A.M. et al.	
Lunch Break 01.00 pm to 02.00 pm		

S. No	Time (02.00 pm – 05.00 pm) Tea break (03.00 pm to 03.30 pm)	3rd Session on Climate Change and Indicators and Projections
1	Invited Lecture-	
2	Temperature trends at Dehradun in Doon valley of Uttarakhand, India by Omvir Singh	
3	Combustion characteristics of Tertiary coals and their Biomass Blends from NER India by Prasenjit Saikia	
4	Cedrus deodara (Roxb.) G. Don a possible indicator of climate change in Sikkim Himalaya by Prabha Sharma	
5	Trend in atmospheric CO ₂ across the globe derived from AQUA (AIRS) satellite observations and the facts from Mauna Loa by Arya, R.	
6	Climate Change Impact Study on rainfall data analysis of Jabalpur area, using Statistical Techniques by O. P. Sahu	
7	Analysis of long term climate variability and changes in North-Western states of Indian Himalayan Region (IHR) by R. Joshi	
8	Climate Variability And Urbanization-Impacts ,Risk And Solutions For Narmada River Basin by Divya Sharma	
9	Impact of climate change on agriculture in sub-Sahara Africa by Elemide, O .A.	
10	Industrial emissions from coal utilization and its effect on climate change by Prasenjit Saikia	
11	Climate Change in Uttarakhand and its Impact on Flora and Fauna by Dr. Moushumi Datta	
12	Climate Change and Appropriate Actions Worldwide by Kiran Yadav	
13	Climate Change and Hill Agriculture - A Study of Uttarakhand State of Indian Himalaya by M. C. Sati & Prashant Kumar	

30 October 2013; Day 3

S. No.	Time (08.30 am – 11.00 am)	4 th Session on Disaster, Mitigation and Adaptation
	Tea break (10.30 am to 11.00 am)	
1	Invited Lecture	
2	The focal themes of the conference are exclusively related to the Himalayas by Dr. Kiran Yadav	
3	Need for a strategy to save cultural heritage sites by Y. Pandey	
4	Quaternary Geological Structures and Natural Hazards in Coastal Island of Mauritius using Remote Sensing & GIS Technology by Wasi A. Zaidi	
5	Impact of Pareto group of heavy-tailed distributions in probabilistic assessment of Himalayan earthquakes by Sumanta Pasari	
6	Climate change and attendant landslide hazards in the northwest Himalayas (Dr. V.K. Sharma)	
7	Landslides and cloudburst in Indian Himalayan Region (IHR) during June 2013- Historical perspectives and remedial measures by Pankaj Gupta et.al.	
8	Evolving climate resilient livelihoods through integration of climate change adaptation and disaster risk mitigation by Shazneen C. Gazdar et.al.	
9	Climatic Change and Increasing Geo-hydrological Hazards by Kishor Kumar et.al.	
10	Landslides and its impact on society –A case study of Narayanbagar Landslide by Neelam J. Gupta et.al.	
11	Climate change and attendant landslide hazards in the Northwest Himalayas by V. K. Sharma	
12	Climate Change and Multiple hazards in mountain region by Pankaj Gupta et.al.	
13	Climate variability and urbanization-impacts, risk and solutions for Narmada river basin by Divya Sharma	

S. No.	Time (11.30am –01.00pm)	5 th Session on Geospatial Technology & Environmental Modeling
1	Invited Lecture	
2	Sustainable ecosystem development planning in Phakot sub-watershed, Tehri Garhwal District, Uttarakhand using Ikonos data by T. S. Kachhwaha)	
3	Modeling Energy and Mass Balance of Chhota Shigri Glacier by Gunjan Rastogi	
4	Consequences of Climate Change – Risks to the Globe by Prof. Meen B. Poudyal Chhetri	
5	Chronology of Glaciation and Late Quaternary climatic changes recorded from the Pindari glacier area, Kumaun Himalaya by Rameshwar Bali	
6	An assessment of NDVI on Himalayan Plateau by using Geospatial Technology by K. M. Santosh et.al.	
7	Spatial distribution of glacier mass balance using remote sensing data in the Himalayan Region by S. K. Singh	

S. No.	Time (02.00 pm –03.30 pm)	6 th Session on Energy, Transport and Water Resources
	Tea break (03.30 pm to 04.00 pm)	
1	Invited Lecture	
2	Decision Support System for Water Resource Management in Watershed of Mid-Elevation Central Himalaya by Sandeep Kumar Soni	
3	Methodology to derive spatiotemporal dynamics of land surface and energy balance parameters using satellite remote sensing by Indrani Choudhury	
4	Hydrochemistry of melt water emerging from Raktavaran glacier, central Himalaya, India by Virendra Bahadur Singh	
5	Application of Isotopes of Water Vapour in Climate Studies – A World Perspective by Gopal Krishan	
6	Climatic phases and its effect in the derivation and deposition of Himalayan foreland basin by Poonam Jalal	
7	Hydrochemistry of melt water emerging from Raktavaran glacier, central Himalaya, India bt Virendra Bahadur Singh ¹ , et.al.	
8	Impacts of Climate Change on Groundwater Resource Management And National Policy by B. K. Sahu	

S. No.	Time (03.30 pm to 05.30 pm)	7 th Session Socio-economic prospective
1	Invited Lecture	
2	Climate Change Impacts in Central Himalayan Agro-ecosystem and Adaptation Strategies: Integrating Local Perception and Traditional Knowledge by R. K. Maikhuri	
3	Climate Change, Agriculture and Wetlands in Bihar: Vulnerability, Adaptation and Policy by Mr. Ravichandra Prabhakar	
4	Climate Change and Hill Agriculture by Prashant Kumar	
5	Climate Change and Social Media: Facebook as an effective climate messenger by Rashi Mishra	
6	Impacts of Climate Change and Coping Strategies by Mountain Communities of Uttarakhand Himalaya, India by Dinesh Pratap	
7	Vegetation and taxonomic profile of the flora of Indian cold desert: a highly fragile and vulnerable mountain ecosystem in the country by Achuta Nand Shukla et.al.	
8	A Threat to Agro biodiversity and its Conservation in Uttarakhand Himalaya due to Commercialization of Agriculture by Dr. Mohammad Rais et.al.	
9	Olea ferruginea Royle: a potential tree crop for sustainable development of north west Himalaya by S.C. Joshi	

31 October 2013; Day 4

S. No.	Time (08.30 am – 12.00 noon) Tea break (10.30 am to 11.00 am)	8 th Session (Biodiversity and Biodiversity Hot Spots)
1	Invited Lecture	
2	Impact of tourism on the flora of Chandertal lake –an alpine Ramsar site of the Himalaya by S.K. Srivastava	
3	Biochemical response of plants to induced drought stress under in vitro conditions by Sushma koul	
4	Comparative developmental study of two species of a Homosporous climbing fern of <i>Lygodium</i> by Ruchi Srivastava	
5	Assessment of soil and aboveground biomass carbon stock in two forests of Himalayan foot hills of Assam and their carbon sequestration potential M. Borah	
6	Benthic faunal assemblage - diversity and time scale changes in the ice cold kongsfjorden arctic ecosystem by S Sijoy Nandan et.al.	
7	Role of Redox homeostasis and glucosinolate production in determining adaptability of perennial pepperweed by Dhiraj Vyas	
8	Biodiversity hotspots of the Himalayan region and climate change by Leonard Sonnenschein	
9	A study on amphibia - bio indicators of global climatic change by Sabitry Choudhury Bordoloi	
10	Altitudinal shiftiness of butterflies due to increase of air temperature - a case study in west Kumang district of Arunachal Pradesh by Dr. P. R. Bhattacharyya et.al.	
11	Non food oilseed plant as an alternative resource for biofuel production by S.P. Saikia et.al.	
12	Developmental study of two species of a homosporous climbing fern, <i>Lygodium</i> by Ruchi Srivastav	
13	Himalayan Biodiversity Conservation: a Challenge in Climate Change Scenario by P S Roy et.al.	
14	Phenotypic Plasticity leading to Sympatric speciation in populations of <i>Ephedra</i> in Lahaul and Spiti (India) by Prabha Sharma	
S. No.	Time (12.00 noon – 01.00 pm)	9 th Session on Himalaya Informatics and Data Base
1	Invited Lecture	
2	Diurnal variation in precipitable water vapour over Almora, Central Himalaya India by Sneha Joshi	
3	Late Quaternary / Holocene evolution of Sub-Himalayan Dehra Dun: an interaction of climate with the active tectonic processes by Anand K. Pandey	
4	Institutional Governance for Sustenance of Himalayan Ecology by Rajesh Kumar	
5	Effect of MSW leachate on the Deepar beel ecosystem, a Ramsar site in Assam, India by Sonali orpatra Gohain et.al.	
6	Analysis of long term climate variability and changes in North-Western states of Indian Himalayan Region (IHR) by Rajesh Joshi	
7	Arya's C cycles and Climate change natural by Ritesh Arya	

Lunch Break 01.00pm to 02.00pm

6

Concluding session Panel discussion 02.00 to 04.00pm (Proposed for the approval of the Organizing Secretaries)

Tea 04.00 pm

Dr. Bhoop Singh
Dr. Snajay Mishra
Dr, M Sudhakar
Director NEIST, crri, 4PI, IHBT, IIIM
Dr. Ram Bhooj
Director NDMA
All Organizing Secretaries