

INTERNATIONAL CONFERENCE

Adaptive Natural Resource Management for Climate Change Mainstreaming and Environmental Governance: Options and Opportunities [ADAPT 2020]

18 - 20 March 2020

ORGANIZED BY

Department of Geography
DSB Campus
Kumaun University
Nainital 263001, Uttarakhand, India
[<http://kunainital.ac.in>]

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Adaptive Natural Resource Management for Climate Change Mainstreaming and Environmental Governance: Options and Opportunities [ADAPT 2020]

The *ADAPT 2020* conference is envisioned as a scientific platform for the synthesis of cutting edge most recent scientific and ground-based knowledge in climate change adaptation mainstreaming that could help policy planning agencies to evolve effective climate change adaptation and disaster risk reduction plans for different eco-regions

Concept

The Climate Change has stressed the socio-ecological system of the planet through higher mean annual temperatures, altered precipitation patterns and melting of snow and glaciers. These changes are modifying the earth's hydrological system and disrupting the ecosystem services, particularly in high mountains, coastal areas, small islands, arid and semi-arid regions and in other such fragile ecosystems. This is adversely affecting the availability of water for drinking, sanitation and food production; and increasing frequency, severity and intensity of extreme weather events. Furthermore, climate change is intensifying the impacts of other drivers of global environmental change and resulting into decrease in agricultural production, frequent crop failures, loss of rural livelihood, and consequent decline in community food purchasing power, specifically in developing and less developed countries. This is exacerbating the limited capacity of socio-ecological system to cope with projected impacts of climate change and climate change induced natural disasters. The long-term impacts of these changes will not only undermine the sustainability of fragile ecosystems and their inhabitants, but also increase the vulnerability of large population to water, food, livelihood and health insecurity in densely populated river basins, such as South Asia. These changes may have enormous regional implications for fundamental human endeavours ranging from poverty alleviation to environmental sustainability and climate change adaptation, and even to peace and security, specifically in the trans-boundary river basins. However, the exact impacts of climate change on different ecosystems, and the interlink-ages with other drivers of global change are yet to be investigated and properly understood. In view of this, the proposed Conference would provide the opportunity of sharing, exchanging and synthesizing the cutting edge most recent and critical knowledge to fill up this highly realized gap.

However, Climate change adaptation plans conceived, formulated and implemented have not been effective so far as they are being implemented as stand-alone activity, and hence conflicting with natural resource management and environmental management framework. It is therefore highly imperative to streamline climate adaptation into overall multilevel natural resource development planning and environmental governance processes to ensure sustainability and effective implementation of climate change adaptation plans at various spatial levels. The Conference will evaluate, demonstrate and synthesize the cutting edge recent knowledge on climate change adaptation, adaptive natural resource development and environmental management with special reference to India and the Indian Himalayan Region. Moreover, the Conference will help in the identification and prioritization of

effective climate change adaptation governance and natural resource management frameworks involving local and regional institutions; assessment of conflicts and complementarities related with mainstreaming adaptation processes; and formulation and demonstration of integrated climate change adaptation, disaster risk reduction, and adaptive natural resource development management plans with special context of India and Himalaya.

Objectives

The main goal of the **ADAPT 2020** is to provide scientific platform for the synthesis of cutting edge most recent scientific and ground-based knowledge in climate change adaptation and disaster risk reduction mainstreaming that could help policy planning agencies to evolve effective climate change adaptation and disaster risk reduction plans for different geographical regions with special reference to India and the Indian Himalayan Region. In order to attain the above-mentioned broad goal, the Conference will focus on attaining the following objectives:

- To exchange and synthesize cutting edge recent knowledge on adaptive natural resource management, climate change adaptation and disaster risk mainstreaming
- To provide opportunity to various stakeholders including policy and decision makers to share their adaptation needs and priorities with scientific community and community representatives
- To assess the role of local, national and international institutions in climate change adaptation and environmental governance
- To identify framework for adaptive natural resource management and its integration with climate change adaptation and disaster risk mainstreaming
- To help government agencies in evolving and implementing framework for integrating climate change adaptation and disaster risk reduction into natural resource development planning

Expected Outcomes

The conference is expected to have the following outputs:

- A proceedings document highlighting the recommendations of the Conference which could be used for evolving effective plan for mainstreaming climate change adaptation and disaster risk reduction into natural resource development planning
- A publication synthesizing the most recent cutting edge knowledge in the forms of conference proceeding, and a review of current state of knowledge on climate change adaptation mainstreaming
- A Policy framework to conceptualize, evolve and implement effective climate change adaptation and disaster risk reduction governance

Conference Themes and Preliminary Scientific Agenda

The conference is being proposed for about 3 days, and will take place on 18-20 March 2019 in Nainital, Uttarakhand, India. The technical agenda of the workshop has been divided up into 9 Scientific Sessions followed by a full-day optional scientific excursion to Nainital and its surrounding area that represents one of the most densely populated and rapidly urbanizing regions of the middle Himalayan mountains in India. The preliminary Scientific Agenda of the proposed Conference is as follows:

Conference Themes and Technical Sessions	
Day-1	
Thematic Session-I	Water Resources: Conservation, Replenishment and Sustainable Utilization of Water Resources; Drinking Water, Irrigation; Watershed and Spring-shed Development
Thematic Session-II	Forest and Biodiversity: Forest Resources Management; Biodiversity Conservation; Human-Wildlife Conflicts
Thematic Session-III	Land Resources: Land Use, Land Use Policy and Planning, Land Degradation; Land and Soil Conservation; Sustainable Land Resource Management
Day-2	
Thematic Session-IV	Climate Change Impacts: Climate Change Impact and Vulnerability; Glaciers; Water, Agriculture, Food, Health, Livelihood, Tourism; Community Perception of Climate Change Impact; Gender Implications of Climate Change
Thematic Session-V	Climate Change and Natural Disasters: Extreme Weather Events; Landslides; Flood and Flash Flood; Drought; Disaster Resilient Socio-ecological System; Community based Disaster Risk Management; Mainstreaming Climate Change Adaptation
Thematic Session-VI	Climate Change Adaptation and Mainstreaming: Climate Change Adaptation in Water, Agriculture, Food, Health, Livelihood, Urban and Tourism Sectors; Climate Change Adaptation Governance; Women and Climate Change Adaptation; Mainstreaming Climate Change Adaptation
Thematic Session-VII	Environmental Impact Assessment: Environmental Monitoring; Environmental Auditing; Environmental Budgeting; Environmental Impact of Hydropower and other Projects
Day-3	
Thematic Session-VIII	Urban Environmental Challenges: Urban Ecosystems; Urban Landscape Planning; Mountain Urbanization; Urban Ecosystem Services; Urban Biodiversity; Sustainable Urban Water Management; Climate Smart Urban Development
Thematic Session-IX	Environmental Governance: Environmental Conservation; Nature Based Solutions to Environmental Problems; Institutions and Environmental Governance; Sustainable Livelihood and Environmental Management; Environmental Education; Traditional Knowledge and Environmental Management
Panel Session	Panel Discussion on the Recommendations of the Conference

Submission of Abstract

Paper abstracts [maximum 500 words] on one of the nine Conference themes may be submitted to the Convener of the conference at: pctiwari@yahoo.com. The Deadline for the submission of the abstracts is 15 January 2020. The selected full-length papers will be published in the Conference Proceedings.

Deadlines

Abstract submission: 15 January 2020
Notification of acceptance: 31 January 2020
Full length paper submission: 28 February 2020 [For Publication in Conference proceedings]
Conference dates: 18 - 20 March 2020

Excursions

Organisers will offer the following Optional Excursions: [i] a day-visit to Nainital and its surrounding areas; and [ii] 2-day scientific excursion to the picturesque Middle Himalaya after the conference. The participants are requested to indicate their choice for participating in the excursion/s in the attached Conference Registration Form before 15 January 2020. Conference excursions will be charged extra [expected EUR 50 per person for the day excursion and EUR 150 per person for 2-day scientific excursion]. The cost includes transport, one-night moderate accommodation where applicable. The Cost of Field Excursion/s will be paid in cash on the first day of the conference.

Practical Information and Conference Registration Fee

The Conference Registration Fee is EUR 50 for the participants coming from OECD countries, Russia, SAARC and Developing Countries; EUR 100 for the participants from other countries; and INR 1000 for the participants from India. The registration fee includes the conference program, an abstract book, access to conference e-materials, access to all the sessions, coffee and lunch during the conference. The accommodation is not included in the Conference Registration Fee. Participants will have to cover their own travel and accommodation costs. The Organizing Committee of the Conference would be happy to help the participants in finding suitable accommodation and travel to and from Nainital.

Conference Venue and the Himalayan Town of Nainital

The conference venue is the campus of Kumaun University in Nainital, Uttarakhand, India. Nainital is situated around picturesque Naini Lake in Kumaon Lesser Himalaya at an altitude of 2100 meters. Nainital is known as a pearl of Uttarakhand due to its fascinating scenery and pleasant climate. It is located 345 km north to New Delhi and it is reliably connected to the national capital via Kathgodam railway station, that is just 34 km away from Nainital. It is a vibrant and trendy place and one of the top tourist destinations in India. Nainital attracts winter sport lovers in winter and hiking and trailing fans in summer. Tourist and hotel infrastructure received a major upgrade during recent years, and its development is continuing.



Nainital: A Bird Eye View

International Advisory Committee

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Conference Registration form:

[Please mail the duly filled in Registration form to Professor Prakash C. Tiwari before 15 January 2020]

Name of the Participant	
Nationality	
Affiliated institution	
Position Held	
Title of the Presentation	
Title of the Paper for Conference Proceedings	
E-mail	
Cell Phone No.	
Details of Accompanying Person [if any]	
Date of Arrival in Nainital	
Date of Departure from Nainital	
Assistance for Accommodation required: Yes/No [Please indicate your preference for: Hotel/Guest	
Do you wish to Participate in day Excursion	
Do you wish to Participate in 2-Day Excursion	
Need Invitation Letter: Yes/No	
Date	Signature: