

Workshop-cum-Training Programme
on
“Climate Change Adaptations in the Himalayan Region”

Himalayan Forest Research Institute, Panthaghati, Shimla has organized two days workshop-cum-training programme on **“Climate Change Adaption in the Himalayan Region”** on 3rd & 4th October 2013 at Panthaghati, SHIMLA-9. The workshop was inaugurated by **Shri R.K. Gupta**, Head of Forest Force and Principal Chief Conservator of Forests, Himachal Pradesh. Speaking on the occasion, Shri R.K. Gupta, PCCF, Himachal Pradesh informed that **climate change** is a burning issue, which is being discussed on many foras. Climate change besides other impacts is also likely to stress all the forest ecosystems, as a result of which forests may decline and many species may become extinct. He exhorted all the participants, who have expertise in their respective fields to make their contributions sincerely, so that recommendations of the workshop can be proved useful to the policy makers and the planners as well.



Welcome of the Chief Guest, Shri R.K. Gupta, IFS, PCCF, H.P. by Shri Saibal Das Gupta, DDG (Extension)



Shri R.K. Gupta, PCCF, H.P.; Shri Saibal Das Gupta, DDG (Extension, ICFRE and Dr. VRR Singh, Director, HFRI, Shimla during inaugural session of the Workshop

In his welcome address, **Dr. VRR Singh**, Director, Himalayan Forest Research Institute, Shimla welcomed the participants and during his speech informed that

Climate Change and Its Mitigation Measures

is a burning issue and Government of India has launched eight missions under various Ministries as the Nodal Agencies, which is working under the direct supervision of the Prime Minister's Office. As an impact of Climate Change, the patterns of agriculture & horticulture crops are also getting adversely affected in the state of Himachal Pradesh. To substantiate his views the example he quoted an example during the year 1980s, the Rajgarh area of Sirmour district which used to be a



good belt of apple crops and where early variety apple started to come up in the month of July whereas now apple trees though are there yet no setting of the apple fruit is being seen and climate change is known to be one of major causes for depletion of the same in the lower belts of Himachal Pradesh.

Shri Saibal Das Gupta, Deputy Director General, *Indian Council of Forestry Research & Education*, Dehra Dun speaking on the occasion informed that the Council is a premier organization for taking up forestry research related activities in the country and is operating through its regional Institute and HFRI, Shimla is one of them. The Council is executing a prestigious project on the **“Policy and Institutional Reforms for Managing and Up-Scaling of the Sustainable Land and Ecosystem Management (SLEM)”**, which is being funded by Global Environment Facility (GEF) and ICFRE is one of the Technical Facilitation Organization. He informed that the Essence of this project is to apply a multi-sectoral approach to land management related biodiversity issues, conservation and climate change/ adaption issues is several states in India. The key objective of this project is to harmonize, coordinate and monitor interventions in agricultural practices and natural resource management that enhance agricultural productivity and at the same time also assessing the ever increasing environmental impacts. He added that this workshop-cum-training programme is being organized as a part of this prestigious project for the benefit of the state of Himachal Pradesh.



Dr. K.S. Kapoor who is coordinating this event informed that Shri R.A. Singh, Ex-PCCF, Himachal Pradesh, Dr. T.P. Singh, ADG, ICFRE, Dehra Dun, Prof. V.K Mattu, and Prof. Shanti Sawroop Sharma, HPU, Shimla, Dr. Ranbir Singh Rana, Senior Scientist, H.P. CSKV, Palampur (H.P.), Dr. H.S. Sohal, Director, Mahatam Gandhi Institute of Climate Change, New Delhi, Principal. J.C. Rana, Senior Scientist, NBPGR, Shimla, Dr. VRS Rawat, Senior Scientist, ICFRE, Dehra Dun, Prof. K.S. Verma, Director, Institute of Biotechnology & Environmental Sciences, UHF, Nauni, Solan Dr. J.C. Kuniyal, G.B. Pant Institute of Himalayan Environment & Development, Mohal, Kullu, Dr. S.S. Randhawa, State Council for Science & Technology, Shimla and Dr. Vaneet Jishtu of HFRI, Shimla will be the lead speakers and will present their research and view points on various issue concerning the climate change during two days workshop.



Discussions during the Workshop

Glimpses of the Workshop



**Dr. VRS Rawat, Scientist, ICFRE making his presentation on
'Climate Change Mitigation through Land-Use Measures in Forestry Sector'**



**Shri T.P. Singh, Director-SLEM making his
present on REDD⁺ as Climate Mitigation
Option for India**



**Dr. K.S. Kapoor expressing his views on
Climate Change**



Shri A.K. Lal, Director, Mid Himalayan Project, HPFD giving his presentation on "Himachal Pradesh CDM A/R : A Typical Case of Climate Change Adaptation in the Himalayan Region"



Dr. Ranbir Singh Rana, CSK, HPKV giving his presentation on 'Indicative Impacts, Adaptations and Mitigation Option under Climate Change Scenario on Agriculture in North-West Himalayas'



Shri R.A. Singh, Ex-PCCF, H.P. giving his presentation on "Forest Rights Act-2006 : Mitigations for Forest Management and Climate Change"



H.S. Sohal, Director, M.G. Institute of Climate Change, New Delhi giving his presentation on "Public Private Partnership (PPP) Model for Afforestation and Reforestation Project"



Participants during the Workshop

