



# ICFRE Climate News

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## News from ICFRE

Biodiversity and Climate  
Change (BCC) Division  
Directorate of Research

Indian Council of  
Forestry Research and  
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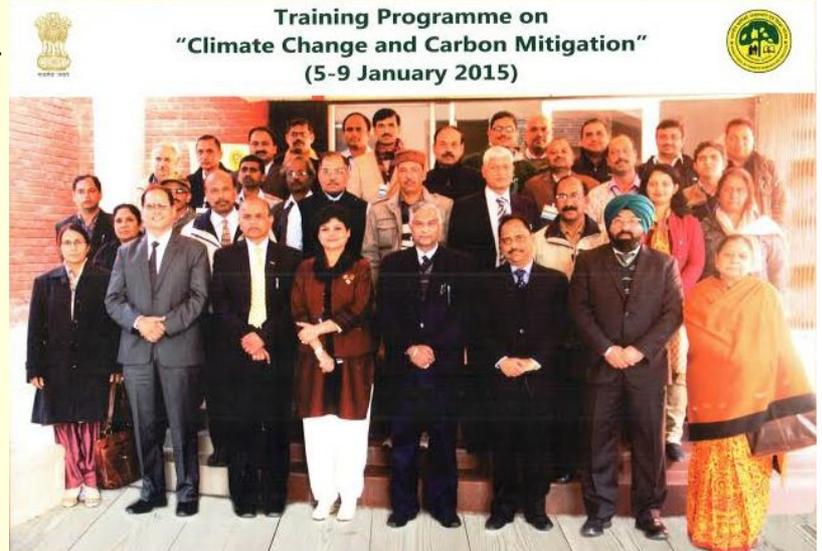
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**Training programme on Climate Change and Carbon Mitigation:** Department of Science and Technology, Government of India sponsored training programme on 'Climate Change and Carbon Mitigation' was organized at ICFRE, Dehradun from 05-09 January 2015. Objective of the training programme was to provide an opportunity to scientists and technologists working in Government sector to know

about the science of climate change, reports and projections of Intergovernmental Panel on Climate Change about climate change and natural ecosystems, international systems of United Nations Framework

Convention on Climate Change and Kyoto Protocol, national scenario and climate change policies, climate change mitigation and adaptation strategies, existing clean development mechanism regulations, REDD-plus and carbon markets, etc.

**Training programme on Climate Change Vulnerability and Adaptation Strategies:** Department of Science and Technology, Government of India sponsored training programme on 'Climate Change Vulnerability and Adaptation Strategies' was organized at ICFRE, Dehradun from 02-06 February 2015. Objective of the training programme was to provide an excellent opportunity to scientists and technologists working in Government sector to know about the science of climate change, climate change modellings/ projections, impacts of



climate change on natural ecosystems and biodiversity, international systems of UNFCCC, IPCC and national scenario and climate change policies, vulnerability and adaptation strategies.



**Training Programme on  
"Climate Change Vulnerabilities and Adaptation Strategies"  
(2-6 February 2015)**



**Participation in the Steering Committee for finalization of State Action Plans on Climate Change:**

Sh. V.R.S. Rawat, Scientist F, BCC Division, ICFRE participated in the meeting on Steering Committee for finalization of State Action Plans on Climate Change at Ministry of Environment, Forests and Climate Change, New Delhi on 31 March 2015.

**Participation in a Consultative Group on Forestry Matters for International Negotiations:**

Dr. T.P. Singh, Assistant director General (BCC), ICFRE participated in a Consultative Group on Forestry Matters for International Negotiations for firm up the country's views for UNFF 11 on 10 April 2015 at Ministry of Environment, Forests and Climate Change, New Delhi.

**Participation in forty session of the Subsidiary Body for Scientific and Technological Advice of United Nations Framework Convention on Climate Change:**

Sh. V.R. S. Rawat, Scientist F, BCC Division, ICFRE participated as a member of Indian delegation in the forty two session of the Subsidiary Body for Scientific and Technological Advice of United Nations Framework Convention on Climate Change from 1 to 11 June 2015 at Bonn, Germany.

**Training workshop on REDD-plus in India: Issues and Challenges:**

Ministry of Environment, Forest and Climate Change, Government of India sponsored two days training workshop for IFS officers on 'REDD-plus in India: Issues and Challenges' was organized from 25-26 June 2015 at ICFRE, Dehradun. The objectives of this workshop was to provide basic information on technical aspects related to measurement of forest carbon stocks for developing inventories of forest ecosystem and enable the officers of Indian Forest Service to better understand technical options of REDD-plus.



**Workshop for IFS Officers on  
"REDD+ in India : Issues and Challenges"  
(25-26 June 2015)**



## Lecture Delivered

- Dr. T.P. Singh, ADG (BCC), ICFRE has delivered a lecture on 'Introduction to Climate Change & Carbon Mitigation and Adaptation Strategies' for the participants of training programme on 'Climate Change and Carbon Mitigation' at ICFRE, Dehradun on 05 January 2015.
- Sh. V.R.S. Rawat, Scientist F, BCC Division, ICFRE has delivered a lecture on 'Climate Change and Carbon Mitigation through land use measures: Policy, Modalities and Institutions in India' for the participants of training programme on 'Climate Change and Carbon Mitigation' at ICFRE, Dehradun on 05 January 2015.
- Dr. T.P. Singh, ADG (BCC), ICFRE has delivered a lecture on 'Introduction to Climate Change & Carbon Mitigation and Adaptation Strategies' for the participants of training programme on 'Climate Change and Carbon Mitigation' at ICFRE, Dehradun on 05 January 2015.
- Sh. V.R.S. Rawat, Scientist F, BCC Division, ICFRE has delivered a lecture on 'Climate Change and Carbon Mitigation through land use measures: Policy, Modalities and Institutions in India' for the participants of training programme on 'Climate Change and Carbon Mitigation' at ICFRE, Dehradun on 05 January 2015.
- Dr. T.P. Singh, ADG (BCC), ICFRE has delivered a lecture on REDD-plus in India during International Symposium on Transforming Mountain Forestry at FRI, Dehradun on 21 January 2015.
- Sh. V.R.S. Rawat, Scientist F, BCC Division, ICFRE has delivered a lecture on 'Evolution of REDD-plus for IFS probationers on two days training module on 'Forests and Climate Change' at IGNFA, Dehradun on 28 May 2015.
- Dr. T.P. Singh, ADG (BCC), ICFRE has delivered a lecture on 'Role of Forestry Sector in Climate Change Mitigation and Adaptation' for the participants of training programme on 'Climate Change Vulnerabilities and Adaptation Strategies' at ICFRE, Dehradun on 03 February 2015.
- Sh. V.R.S. Rawat, Scientist F, BCC Division, ICFRE has delivered a lecture on 'Introduction to Climate Change: Vulnerabilities and Adaptation strategies, International negotiations and role of ICFRE' for the participants of training programme on 'Climate Change Vulnerabilities and Adaptation Strategies' at ICFRE, Dehradun on 02 February 2015.
- Dr. T.P. Singh, ADG (BCC), ICFRE has delivered a lecture on 'REDD-plus Implementation and Piloting in India' for the participants of training programme on 'REDD-plus in India: Issues and Challenges' at ICFRE, Dehradun on 25 June 2015.
- Sh. V.R.S. Rawat, Scientist F, BCC Division, ICFRE has delivered a lecture on 'Climate change and evolution of REDD-plus mechanism' for the participants of training programme on 'REDD-plus in India: Issues and Challenges' at ICFRE, Dehradun on 25 June 2015.
- Dr. Rajiv Pandey, Scientist E, BCC Division, ICFRE has delivered a lecture on 'Uttarakhand REDD-plus Pilot Project' for the participants of training programme on 'REDD-plus in India: Issues and Challenges' at ICFRE, Dehradun on 26 June 2015.

## Media Reporting

**India Should Lead Fight Against Climate Change:** Honorable Prime Minister Shri Narendra Modi said that India should lead the global fight against climate change. He stressed on the importance of making lifestyle changes to tackle global warming. He expressed disappointment that India's culture of respecting and loving nature has not been sufficiently projected on the global arena, and the country is occasionally perceived to be a barrier in the global fight against climate change. He said people of India have been the protectors and devotees of nature and we need to project this fact properly, so that the world realizes that India cannot be questioned in this regard (Source: Indian Express <http://www.newindianexpress.com/nation/India-Should-Lead-Fight-Against-Climate-Change-Modi/2015/04/06/article2750548.ece>).

**Urban forestry scheme to combat climate change:** Ministry of Environment, Forest and Climate Change, Government of India launched an urban forestry scheme which will involve afforesting degraded forest lands in and around 200 cities. On the occasion of World Environment Day, Honorable Minister for Environment, Forest and Climate Change Shri Prakash Javadekar said the forestry scheme will act against climate change by creating a carbon sink and against air pollution in cities. (Source: Times of India: <http://timesofindia.indiatimes.com/home/environment/the-good-earth/Urban-forestry-scheme-to-combat-climate-change/articleshow/47534536.cms>).

**Climate change hits forests of Andhra Pradesh and Telangana:** A research titled "Impact of climate change on Indian forests: a dynamic vegetation modeling approach" states that forests in Andhra Pradesh and Telangana will be one of the most affected in the country due to climate change and will undergo 62 per cent change. It also mentions that forests of Eastern Ghats will be one of the most affected regions along with the Western Ghats (Source: De Chronicle <http://www.deccanchronicle.com/150321/nation-current-affairs/article/climate-change-hits-forests-andhra-pradesh-and-telangana>).

**Himachal sells first carbon credits through plantations:** Himachal has taken the lead by implementing the 'Himachal Pradesh Reforestation Project—Improving Livelihoods and Watersheds' for offsetting the green house emissions. The forestry plantations raised on 3204 hectares become eligible for the first cycle of carbon credits. The state has sold carbon credits of its clean development mechanism afforestation-reforestation project for the first time for ₹1.93 crore to Spain, and benefits will percolate down to farmers in 602 villages and bring an income of ₹20 crore during the next two decades (Source: The Tribune, Chandigarh 16 June 2015).

## Past Events

**International Symposium on Transforming Mountain Forestry:** International Symposium on Transforming Mountain Forestry was organized at FRI, Dehradun by Forest Research Institute and International Centre for Integrated Mountain Development from 18 - 22 January 2015. The objective of the symposium was bridging transboundary challenges with 21st century paradigms for the welfare of mountain people, forests and environment in the Hindu Kush Himalayas. Growing and eating forest carbon: Does REDD+ deliver the undelivered? was one of the sub-theme of the symposium.

**Global Climate Policy Conference:** Second Global Climate Policy Conference was organized by Climate Strategies and The Stanley Foundation at India Habitat Centre in New Delhi, India on 30<sup>th</sup> April and 1<sup>st</sup> May 2015.

**Eleventh session of the UN Forum on Forests:** The eleventh session of the UN Forum on Forests was organized at New York, United States from 4-5 May 2015. The session consider the future of the international arrangement on forests, based on challenges and its effectiveness. Thematic issues discussed during the session include sustainable forest management and forest law enforcement as well as cooperation and coordination.

**Training on Glacier, Climate Change and Remote Sensing:** Training on Glacier, Climate Change and Remote Sensing was organized by Indian Institute of Science at Bengaluru from 8-19 June 2015.

**Bonn Climate Change Conference:** The forty-second sessions of the Subsidiary Body for Implementation (SBI 42) and the Subsidiary Body for Scientific and Technological Advice (SBSTA 42), as well as the June session of the Ad Hoc Working Group on the Durban Platform for Enhanced Action (ADP2-9) was organized by UNFCCC in Bonn, Germany from 1-11 June 2015 .

## Upcoming Events

**Training programme on 'Climate Change and Carbon Mitigation:** Department of Science and Technology, Government of India sponsored training programme scientists and technologists working in Government Sector on 'Climate Change and Carbon Mitigation' will be organized for at ICFRE, Dehradun from 02-06 November 2015.

**International conference on 'Global Environmental Change in the Himalayas: Controversies, Impacts, Futures':** Heidelberg University will be organized an international conference on "Global Environmental Change in the Himalayas: Controversies, Impacts, Futures" in New Delhi from 6-8 November 2015.

**Bonn Climate Change Conference:** The eleventh part of the second session of the Ad Hoc Working Group on the Durban Platform for Enhanced Action will be organized by United Nations Framework Convention on Climate Change at Bonn from 19 - 23 October 2015.

**Paris Climate Change Conference:** The twenty-first session of the Conference of the Parties and the eleventh session of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol will be organized by United Nations Framework Convention on Climate Change in Paris (France) from 30 November to 11 December 2015.

**Asia and Pacific Regional Workshop on Carbon Finance:** Asia and Pacific Regional Workshop on Carbon Finance will be organized by UNFCCC in Manila, Philippines from 29 - 30 September 2015.

**GHG Inventory Training Seminar :** GHG Inventory Training Seminar will be organized by UNFCCC in Bonn, Germany from 27-29 October 2015.

**International Conference on Climate Change Resilience:** The Department of Ecology and Environmental Sciences of Pondicherry University, in association with the Indian-European Multi-level Climate Governance Research Network will be organizing the International Conference on Climate Change Resilience in Pondicherry from 5-6 October 2015 .

**International Conference on Climate Change and Sustainability:** Thakur College of Science and Commerce, Mumbai will be organizing the International Conference on Climate Change and Sustainability at Mumbai from 21-23 December 2015.

### Relevant Publications

Tajinder Pal Singh , V. R. S. Rawat and R. S. Rawat (2015). Implementing REDD+ as a Climate Mitigation Option in India. *Indian forester*, 141(1):9-17.

Nandan Singh, Jeet Ram, Ashish Tewari and R. P. Yadav (2015). Phenological events along the elevation gradient and effect of climate change on *Rhododendron arboreum* Sm. in Kumaun Himalaya. *Current Science*, 108 (1): 106-110.

S. K. Satheesh (2015). United Nations Climate Change Conference COP 20 at Lima concluded: what next? *Current Science*, 108 (5): 759-760.

A. Thokchom and P. S. Yadava (2015). Bamboo and its role in climate change. *Current Science*, 108 (5): 762-763.

S. C. Sahu, Jagmohan Sharma and N. H. Ravindranath (2015). Carbon stocks and fluxes for forests in Odisha (India). *Tropical Ecology* 56 (1): 77-85.

S. Sandilyan (2015). Climate change threatens Indian mangroves. <http://www.indiawaterportal.org/articles/climate-change-threatens-indian-mangroves>.

Jagmohan Sharma, Rajiv Kumar Chaturvedi, G. Bala and N. H. Ravindranath (2015). Assessing “inherent vulnerability” of forests: a methodological approach and a case study from Western Ghats, India. *Mitigation and Adaptation Strategies for Global Change*, 20(4): 573-590.

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