



Dehradun, India
18–22 January 2015

ICIMOD

FOR MOUNTAINS AND PEOPLE

Transforming Mountain Forestry

Bridging transboundary challenges with 21st century paradigms for the welfare of mountain people, forests and environment in the Hindu Kush Himalayas



Austrian
Development Agency

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Background and theme

Background

Forests cover about 25% of the Hindu Kush Himalayas (HKH). They interface with numerous ecosystems, providing an invaluable range of ecosystem services: they sequester carbon and are the source of livelihoods, recreation, and timber and non-timber resources for millions of people. The ecosystem goods and services from forests sustain mountain agriculture, which is an integral part of ensuring food water and energy security in the context of transboundary socioeconomic, environmental, and cultural linkages of the HKH region. Since the 2007 UNFCCC Conference of the Parties in Bali and the 2008 World Forestry Congress, the paramount role of forests in promoting climate change adaptation and mitigation has found global resonance, particularly in the Hindu Kush Himalayan region. The health and vitality of many forest ecosystems have already been affected by climatic and land use changes; it is possible that the impact of the latter may outweigh the former.

To sustain forest services in the context of climate change and other contemporary issues, stakeholders in the Hindu Kush Himalayas must consolidate current assessments of future challenges and opportunities and build a case for sustainable and inclusive forest management that brings together practice, policy, and science. Given the range of issues related to forest governance that have upstream-downstream linkages (e.g. illegal trade of forest products, corridor connectivity, human-wildlife conflicts, water management, value chain sustainability), this is increasingly a subject for transboundary cooperation in terms of making future mitigation and adaptation strategies successful.

The Mountain Forestry Symposium will provide a forum for over 200 regional and global experts – including cross-sectoral policy makers, scientists, practitioners, donors, civil servants, media, market actors, and legal experts – to outline the way forward. The conference will include high-level representation from all of the mountain states of India, as well as the Ministry of Environment, Forests and Climate Change and other key ministries. All eight countries of the Hindu Kush Himalayas, as well as key global mountain forestry centres, will be represented as well.

Symposium Objectives

To outline options for sustainable forest management practices and policies that address the changing conditions in the HKH while identifying transboundary opportunities that meet climatic and contemporary challenges, thus simultaneously addressing conservation and inclusive development.

- Establish common understanding of forest ecosystem dynamics and the management of mountain forest ecosystems in the Hindu Kush Himalayas to set the research and development agenda at the transboundary scale

- Share good practices in forest ecosystem adaptation and learn from other mountain regions
- Explore options for mainstreaming incentive-based mechanisms (e.g. REDD+, payment for ecosystem services) to promote the sustainable use of forest ecosystem services across transboundary landscapes
- Identify policy deficits and propose priority actions for mainstreaming inclusive forest ecosystem adaptation and good forest governance at the transboundary landscape level to address climate change and globalization processes
- Promote global, regional, and national knowledge networking, research and development, partnerships, and cooperation for influencing policy, science and practice

Symposium Theme

- Institutions and governance: Assessing institutional frameworks and their delivery on good forest governance for shaping policy, science, and practice
- Forest dynamics and management: Using the science of forest dynamics to improve the management of mountain forests for sustaining services at landscape levels
- Linking incentives to stewardship: Using forest valuation science to bring new incentives for sustained stewardship of mountain forests
- From subsistence to regional markets: Identifying opportunities to link value-added forest goods and services and forest technologies to certified markets and enterprises at landscape levels
- Forestry knowledge forums and regional cooperation for policy, practice, and science: Promoting options for actions in transboundary forest ecosystem management by interfacing national and regional policies, practices, research, and knowledge networks

Conference programme

17 January 2015 (Saturday)

12:00 – 13:00 Press briefing (Board Room)

15:00 – 19:00 Arrival of participants and registration (in respective hotels and FRI Scientist Hostel)

Day 1: 18 January 2015 (Sunday)

10:00 – 19:00 **Registration**

08:00 – 15:30 **Field Trip:** Watershed Management and Biodiversity Conservation near Mussorie Hills, Oak Forest Watershed and Van Panchayats (Detail field visit plan is attached in Symposium kitbag)

Organizers: Rajbir Singh, Permanand Kumar, Ombir Singh, FRI

17:00 – 19:00 **INAUGURAL SESSION**

[Convocation Hall]

Transforming Mountain Forestry in 21st Century for the Welfare of Mountain People, Forests, and Environment in the Hindu Kush Himalayas

- Arrival of the Chief Guest
- Lighting of the lamp
- Introduction and welcome

Chairs:

- **David Molden**, Director General, ICIMOD
- **Hem Pande**, Additional Secretary, Ministry of Environment, Forests, and Climate Change, Government of India

Keynotes:

- Alpine Forest Changes and Expectations for Forests in the Himalayas Related to Sustained Ecosystem Services, **Christian Koerner**
- Global to Regional Perspectives for Forests in the HKH, **Maharaj Muthoo**
- Mountain Forests and Regional Perspectives, **Ashwani Kumar**, Director General, ICFRE

Inaugural remarks by the Chief Guest

Panelist: **S.S. Negi**, Additional Director General, MoEFCC, India

Remarks from representatives from countries of the HKH region

- Afghanistan
- Bangladesh
- Bhutan
- China
- Myanmar
- Nepal
- Pakistan

Key messages and closing remarks by the Chair

Vote of thanks, FRI

Rapporteurs: Laxmi Dutt Bhatta, ICIMOD, and Vineet Kumar, FRI

19:00 – 20:30 Reception dinner: Officer's Club, FRI

Day 2: 19 January 2015 (Monday)

08:30 onwards	Registration (continued)
09:15 – 09:20	Welcome and introduction of the session (Convocation Hall) Session host: Rajan Kotru, ICIMOD
09:20 – 12:30	TECHNICAL SESSION [Convocation Hall] The Theory of Himalayan Degradation and the Green Felling Saga: Where to move mountain forestry in the 21st century? Chair: Ashwani Kumar, Director General, ICFRE, India Keynotes: <ul style="list-style-type: none">Forest Dynamics-Global Perspective, Oliver ChadwickDevelopment Challenges and Perspectives for Forestry in the Indian Himalayas, Rajan Kotru, ICIMOD Panelists: <ul style="list-style-type: none">S.P. Singh, IndiaRajan Pokhrel, Director General, Department of Forests, NepalMd. Akbar Hussain, Department of Forests, BangladeshMaharaj Muthoo, Roman Forum, Italy,Naing Zaw Htun, Ministry of Environment Conservation and Forests, Myanmar Session host: Rakesh Shah, SBB, India Rapporteurs: Laxmi Dutt Bhatta, ICIMOD, and Ajay Thakur, FRI
12:30 – 13:30	Lunch
13:30 – 16:30	HIGH LEVEL SEGMENT AND LAWMAKERS' SESSION With His Excellencies, Forest Ministers, and Parliamentarians from SAARC countries and Indian Mountain States (Convocation Hall) Chair: David Molden, Director General, ICIMOD Moderators: Rajan Kotru, P.P. Bhojvaid and B.M.S Rathore Key questions: <ul style="list-style-type: none">What has been the focus of the forest sector – policies and practices – in your country or state in the last five years to address challenges, and tap the potential of emerging opportunities and paradigms?Do you see transboundary cooperation as imperative for ensuring forest ecosystems sustain their services for the benefit of people and rapidly changing Himalayan environments?What are concrete areas of cooperation and partnerships, and which development strategies, policies and practices, should be made priorities to facilitate collective regional efforts and to transform the mountain forestry agenda for next three decades?What are your expectations from this symposium, and how would you apply its outputs and outcomes to bring transformational changes in the forest sector?

<p>16:45 – 18:15</p>	<p>PARALLEL SESSIONS: The Status of Forest Ecosystem Services in the HKH region</p>	
	<p>Understanding Co-Management in Mountain Forests (IGNFA New Hostel Auditorium)</p> <p>Chair: S.S. Negi, MOEFCC, India Co-Chair: Promode Kant, Institute of Green Economy, India</p> <p>Keynotes:</p> <ul style="list-style-type: none"> ▪ Tint Lwin Thuang, RECOFTC ▪ B.M.S Rathore, Additional PCCF, Madhya Pradesh <p>Panelists:</p> <ul style="list-style-type: none"> ▪ Rajesh Thadani, CEDAR, India ▪ Lobzang Dorjee, Department of Forests and Park Services, Bhutan ▪ Akhileshwor Lal Karna, MoFSC, Nepal ▪ Siddhartha Bajracharya, NTNC, Nepal ▪ S. Aminullah Fakhri, MAIL, Afghanistan <p>Session host: Rajan Kotro, ICIMOD</p> <p>Rapporteurs: Aarti Kala, WII, and GBPIHED</p>	<p>Flow of Ecosystem Services and Incentive Mechanisms (NFLIC Seminar Hall)</p> <p>Chair: Wu Ning, ICIMOD Co-Chair: V.B. Mathur, WII</p> <p>Keynote:</p> <ul style="list-style-type: none"> ▪ Madhu Verma, IIFM, India <p>Panelists:</p> <ul style="list-style-type: none"> ▪ Pramode Kant, Institute of Green Economy, India ▪ Kiran Asher, CIFOR, Indonesia ▪ Roger Villalobos, CATIE ▪ James Anderson, WRI, USA ▪ Javed Rizvi, ICRAF <p>Session host: Chetan Agarwal, CEDAR</p> <p>Rapporteurs: Rashmi, ICFRE and Shreedip Sigdel, ICIMOD</p>
<p>19:00 – 20:30</p>	<p>Cultural programme and reception dinner</p>	

Day 3: 20 January 2015 (Tuesday)

* There will be one brainstorming session on Common classification of Himalayan Forest Vegetation timing of which will be conveyed during the sessions.

<p>09:00 – 10:30</p>	<p>PLENARY SESSION [Convocation Hall]</p> <p>Taming Human-Wildlife Conflicts in the HKH: Forest Management or Crisis Management?</p> <p>Chair: Reinhard Mosandl, TUM, Germany</p> <p>Keynotes:</p> <ul style="list-style-type: none"> ▪ Moving from Wildlife Protection to Management: HKH Perspectives, Dhananjay Mohan, WII ▪ Moving from Wildlife Protection to Management, S. Sathyakumar, WII <p>Panelists:</p> <ul style="list-style-type: none"> ▪ Justus Bork, TUM, Germany ▪ Gopal Rawat, WII, India ▪ Rakesh Gupta, Advisor to the HP Government ▪ Karma, DoFPS, Bhutan ▪ Dhananjay Mohan, India <p>Session host: R.P. Chaudhary, Nepal</p> <p>Rapporteurs: Rakesh Kumar, FRI, and Monica Kaushik, WII</p>	
<p>10:30 – 10:45</p>	<p>Tea break</p>	

10:30 – 12:30	PARALLEL SESSIONS: Linking science and practice in mountain forests management		
	<p>Mountain Forests and Climate Change (Board Room)</p> <p>Chair: Christian Koerner, Switzerland</p> <p>Keynote: Reinhard Mosandl, TUM, Germany</p> <p>Panelists:</p> <ul style="list-style-type: none"> ▪ James Anderson, WRI ▪ Javed Rizvi, ICRAF ▪ Kiran Asher, CIFOR ▪ Wu Ning, ICIMOD ▪ Mohit Gera, FRI, India ▪ Rajesh Thadani, CEDAR <p>Session host: Laxmi D Bhatta, ICIMOD</p> <p>Rapporteurs: H.P. Singh, FRI</p>	<p>Mountain Forests and Biodiversity (NFLIC Seminar Hall)</p> <p>Chair: B.K. Tiwari, NEHU, India</p> <p>Keynote: S.P Singh, India</p> <p>Panelists:</p> <ul style="list-style-type: none"> ▪ R.P. Chaudhary, RECAST, Nepal ▪ G.S. Goraya, India ▪ Sanjeeva Pandey, HP, India ▪ Rakesh Shah, SBB, India ▪ Oliver Chadwich, Yale, USA <p>Session host: Gopal Rawat, WII</p> <p>Rapporteurs: Ishwari Datt Rai, WII, and GSC Negi, GBPIHED</p>	<p>Mountain Forest and NTFP Based Enterprise Development (IGNFA New Hostel Auditorium)</p> <p>Chair: Rita Roy Chowdhary, FICCI, India</p> <p>Keynote: Bhisma Subedi, ANSAB, Nepal</p> <p>Panelists:</p> <ul style="list-style-type: none"> ▪ Govinda Ghimire, Nepal ▪ Pankaj Raturi, Dabur, Nepal ▪ Vinay Tandon, HP, India ▪ Vivek Saxena, India ▪ Werner Kosemund, INBAR, India <p>Session host: Pushkin Phartiyal, CHEA</p> <p>Rapporteurs: Monica Kaushik, WII</p>
12:30 – 13:30	Lunch		
13:30 – 15:00	<p>PLENARY SESSION</p> <p>Bracing Up for Transboundary Cooperation in the HKH [Convocation Hall]</p> <p>Chair: James Anderson, WRI, USA</p> <p>Keynote:</p> <ul style="list-style-type: none"> ▪ Eklabya Sharma, Director of Programme Operations, ICIMOD <p>Panelists:</p> <ul style="list-style-type: none"> ▪ B.M.S Rathore, Additional PCCF, MP, India ▪ A. Udhayan, SAARC Forestry Centre ▪ Reinhard Mosandl, HOD, Silviculture Institute, TUM, Germany ▪ Tint Lwin Thaug, RECOFTC ▪ Md. Akbar Hossain, DCF, Bangladesh <p>Documentation of key messages by the Chair</p> <p>Rapporteurs: Nawraj Pradhan, ICIMOD, and Monica Kaushik, WII</p> <p>OPENING OF CRAFTS MELA AND EXHIBITION AND POSTER SESSION</p> <p>The exhibition will be continuous for three days. During this session there will be demand-based brainstorming sessions on selected themes.</p> <p>Coordinator: Paramjeet Singh, FRI</p>		
15:00 – 15:30	Tea break		

15:30 – 17:00	<p>PLENARY SESSION</p> <p>Harmonizing Mountain Forest Management in the Hindu Kush Himalayan Region (Convocation Hall)</p> <p>Chair: P.P. Bhojvaid, FRI, India</p> <p>Keynote:</p> <ul style="list-style-type: none"> ▪ Rajan Kotru, ICIMOD <p>Panelists:</p> <ul style="list-style-type: none"> ▪ A. Udhayan, SAARC Forestry ▪ Gopal Rawat, WII, India ▪ Giridhar Kinhal, IIFM, India ▪ Kinley Tenzin, Bhutan ▪ Akhileshwar Lal Karna, MoFSC, Nepal <p>Session host: Neelu Gera, FRI, India</p> <p>Rapporteurs: Manish Bhardwaj, FRI, and Ishwari Dutt Ra, WII</p>
18:00 – 20:00	Cultural programme and dinner

Day 4: 21 January 2015 (Wednesday)

* There will be two brainstorming sessions on this day (on 'Forest Fires' and 'Forests and Water'). The timing will be conveyed during the sessions.

09:00 – 10:30	<p>PLENARY SESSION</p> <p>[Convocation Hall]</p> <p>Forest Fire and Mountain Forest Management Solutions</p> <p>Chair: Christian Koerner, Switzerland</p> <p>Keynotes:</p> <ul style="list-style-type: none"> ▪ Bridging forest management with fire control, Alok Saxena, Additional Director, IGNFA ▪ Bridging forest management with fire control, Sundar Sharma, Global Wildland Fire Network <p>Panelists:</p> <ul style="list-style-type: none"> ▪ Joachim Schmerbeck, TERI University, India ▪ RBS Rawat, India ▪ Anmol Kumar, Director General, FSI ▪ M.S.R. Murthy, ICIMOD ▪ Rakesh Shah, SBB, Uttarakhand, India <p>Session host: Mohit Gera, FRI</p> <p>Rapporteurs: Rashmi, FRI, and Aarati Kala, WII</p>
10:30–10:45	Tea break

10:45 – 12:30	PARALLEL SESSIONS: Connecting the HKH – Learning from the region on mountain forests management and ecosystem services		
Forest and Science on the Flow of Ecosystem Services	Valuation of Forest Ecosystem Services and Payment Mechanisms	Transboundary Forest Ecosystem Management Experiences from the Globe	
(IGNFA New Hostel Auditorium)	(Board Room)	(NFLIC Seminar Hall)	
Chair: S.P. Singh, India	Chair: Golam Rasul, ICIMOD	Chair: P.P. Dhyani, Director, GBPIHED, India	
Keynote: Md. Akbar Hossain, DCF, Bangladesh Forest Department	Keynote: Chetan Agrawal, Forest and Water Security	Keynote: Roger Villalobos, CATIE	
Panelists:	Panelists:	Panelists:	
<ul style="list-style-type: none"> ▪ Manoj Chandran, UKFD, India ▪ A. Udhayan, SAARC Forestry ▪ Reinhard Mosandl, TUM, Germany ▪ Christian Koerner, Switzerland ▪ Oliver Chadwick, Yale University, USA 	<ul style="list-style-type: none"> ▪ Margret Köthke, Thuenen, IFFE-Germany ▪ Rajesh Rai, SANDEE ▪ Ngo Thi Phuong Dung, Vietnam ▪ Shyam Paudel, UNREDD ▪ Kinley Tenzing, Bhutan 	<ul style="list-style-type: none"> ▪ Keith Virgo, UK ▪ Tint Lwin Thuang, RECOFTC ▪ Roger Villalobos, CATIE ▪ T.P Singh, IUCN, Thailand ▪ Kiran Asher, CIFOR 	
Session host: Gopal Rawat, WII	Session host: Laxmi Dutt Bhatta, ICIMOD	Session host: Rajan Kotru, ICIMOD	
Rapporteurs: Nawa Bahar, ICFRE and Monica Kaushik, WII	Rapporteurs: Nawraj Pradhan, ICIMOD and Vineet Kumar, FRI	Rapporteurs: Ajay Thakur and H.P. Singh, FRI	
12:30 – 13:30	Lunch		
13:30 – 15:00	PARALLEL SESSIONS: Mountain Forestry – Policy, governance, and institutions		
Conducive Mountain Forest Policies in the HKH	Mountain Forests: Governance and working with communities	Mountain Forests: Research and knowledge	
(IGNFA New Hostel Auditorium)	(NFLIC Seminar Hall)	(Board Room)	
Chair: Naing Zaw Htun, MoECF, Myanmar	Chair: Rajan Pokhrel, DOF, Nepal	Chair: Ram Chaudhary, RECAST, Nepal	
Keynote:	Keynotes:	Keynote:	
<ul style="list-style-type: none"> ▪ Savita, ICFRE, India 	<ul style="list-style-type: none"> ▪ Rucha Ghate, ICIMOD ▪ Niesar Ahmad Kohestani, Kabul University 	<ul style="list-style-type: none"> ▪ P.P. Bhojvaid, FRI, India 	
Panelists:	Panelists:	Panelists:	
<ul style="list-style-type: none"> ▪ Bhisma Subedi, ANSAB ▪ Md Akbar Hossain, Bangladesh ▪ Yan Zhaoli, CIB, China ▪ Kinley Tenzin, Bhutan ▪ Mridula Paul, MoEFCC, India ▪ S. Aminullah Fakhri, MAIL, Afghanistan ▪ R.S. Tolia, India 	<ul style="list-style-type: none"> ▪ Tint Lwin Thuang, RECOFTC ▪ Lobzang Dorji, Bhutan ▪ Bhola Bhattarai, AECOFUN, Nepal ▪ B.M.S. Rathore, CCF, India ▪ Roger Villalobos, CATIE 	<ul style="list-style-type: none"> ▪ Anja Rasmussen, ICIMOD ▪ Heike Junger Sharma, Germany ▪ Christian Koerner, Switzerland ▪ Oliver Chadwick, USA ▪ Reinhard Mosandl, Germany 	
Session host: Ranbeer Rawal, GBPIHED	Session host: Laxmi D. Bhatta, ICIMOD	Session host: Wakil Ahamad, Kabul University	
Rapporteurs: Nawa Bahar, FRI and Tara Chand, FRI	Rapporteurs: Bhaskar S. Karky, ICIMOD	Rapporteurs: Monica Kaushik, WII; Anup Chandra, FRI	

13:30 – 17:00	<p>FOREST PRODUCTS SHOWCASE: Linking opportunities for the private sector</p> <p>Coordinators: Nawraj Pradhan, ICIMOD, and Paramjit Singh, FRI</p>
15:00 – 15:15	Tea break
15:15 – 17:00	<p>PLENARY SESSION</p> <p>REDD+ in the Himalayas: Linking forest carbon to conservation and development (Convocation Hall)</p> <p>Chair: Pradipto Ghosh, India</p> <p>Keynotes:</p> <ul style="list-style-type: none"> ▪ Global Status and Expected Pathway of REDD, Kiran Asher, CIFOR ▪ REDD+ in Himalayas, Narendra Chand, REDD and Climate Change Center, Ministry of Forests and Soil Conservation, Nepal <p>Panelists:</p> <ul style="list-style-type: none"> ▪ Bhaskar Singh Karky, ICIMOD, Nepal ▪ T.P Singh, ICFRE, India ▪ Shyam Paudel, UNREDD, Vietnam ▪ Ben Vickers, FAO, Thailand ▪ Kinley Tenzin, DOFPS, Bhutan <p>Session host: Rajan Kotru, ICIMOD</p> <p>Rapporteurs: Laxmi Dutta Bhatta, ICIMOD, Vineet Kumar, FRI</p>
18:00 – 19:00	Dinner/cultural programme

Day 5: 22 January 2015 (Thursday)

09:00–10:30	<p>PLENARY SESSION</p> <p>Making Business with Forests and the Role of the Private Sector in Forest-Based Value Chain Promotion in the HKH Region (Convocation Hall)</p> <p>Chair: Rita Roy Chowdhary, FICCI, India</p> <p>Keynote: Forest-Based Value Chain Promotion in HKH, S. Badari Narayan, Dabur, India</p> <p>Panelists:</p> <ul style="list-style-type: none"> ▪ T.R Manoharan, FSC, India ▪ S. Badari Narayan, Dabur, India ▪ R.B.S. Rawat, India ▪ Suneel Pandey, ITC, India ▪ Narendra Khadka, FNCCI, Nepal ▪ Bhisma Subedi, ANSAB ▪ Pankaj Raturi, Dabur, Nepal <p>Session host: Puskin Phartiyal, CHEA, India</p> <p>Rapporteurs: Laxmi D Bhatta, ICIMOD, and Anup Chandra, FRI</p>
10:30–10:45	Tea break

<p>10:45–12:45</p>	<p>KEY MESSAGES AND DIRECTION FOR THE FUTURE</p> <p>Generating recommendations under the five symposium focus areas</p> <p>Chair: Secretary – Forest, MoEFCC (TBC)</p> <p>Co-Chair: ICIMOD</p> <table border="1" data-bbox="267 378 1163 906"> <tr> <td data-bbox="267 378 422 906"> <p>Institutions and Governance</p> <p>(Convocation Hall)</p> <p>Rucha Ghate and Rajan Kotru, ICIMOD</p> <p>Rapporteurs: Bhaskar S. Karky, ICIMOD; Ajay Thakur, ICFRE</p> </td> <td data-bbox="426 378 577 906"> <p>Forest Dynamics and Management</p> <p>(Convocation Hall)</p> <p>Chadwick and Reinhard Mosandl</p> <p>Rapporteurs: Nawa Bahar, FRI; Vineet Kumar, FRI</p> </td> <td data-bbox="580 378 731 906"> <p>Linking Incentives to Stewardship</p> <p>(Board Room)</p> <p>Shyam Paudel and Chetan Agrawal</p> <p>Rapporteurs: Laxmi D. Bhatta, ICIMOD</p> </td> <td data-bbox="735 378 886 906"> <p>From Subsistence to Standard Regional/ Transboundary Markets and Management</p> <p>(NFLIC Seminar Hall)</p> <p>Pushkin Phartiyal, CHEA, India and Rita Roy Chowdhary, FICCI</p> <p>Rapporteurs: H.P. Singh, FRI; Rashmi, FRI</p> </td> <td data-bbox="890 378 1163 906"> <p>Forest Knowledge and Regional Cooperation for Policy, Practice and Science</p> <p>(NGFA New Hostel Auditorium)</p> <p>B.M.S Rathore, India, and Anja Rasmussen, ICIMOD</p> <p>Rapporteurs: Nira Gurung, ICIMOD; Rakesh Kumar, FRI</p> </td> </tr> </table>					<p>Institutions and Governance</p> <p>(Convocation Hall)</p> <p>Rucha Ghate and Rajan Kotru, ICIMOD</p> <p>Rapporteurs: Bhaskar S. Karky, ICIMOD; Ajay Thakur, ICFRE</p>	<p>Forest Dynamics and Management</p> <p>(Convocation Hall)</p> <p>Chadwick and Reinhard Mosandl</p> <p>Rapporteurs: Nawa Bahar, FRI; Vineet Kumar, FRI</p>	<p>Linking Incentives to Stewardship</p> <p>(Board Room)</p> <p>Shyam Paudel and Chetan Agrawal</p> <p>Rapporteurs: Laxmi D. Bhatta, ICIMOD</p>	<p>From Subsistence to Standard Regional/ Transboundary Markets and Management</p> <p>(NFLIC Seminar Hall)</p> <p>Pushkin Phartiyal, CHEA, India and Rita Roy Chowdhary, FICCI</p> <p>Rapporteurs: H.P. Singh, FRI; Rashmi, FRI</p>	<p>Forest Knowledge and Regional Cooperation for Policy, Practice and Science</p> <p>(NGFA New Hostel Auditorium)</p> <p>B.M.S Rathore, India, and Anja Rasmussen, ICIMOD</p> <p>Rapporteurs: Nira Gurung, ICIMOD; Rakesh Kumar, FRI</p>
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<p>12:45–13:45</p>	<p>Lunch</p>									
<p>13:45–15:00</p>	<p>VALEDICTORY SESSION</p> <p>Building the Roadmap from Recommendations to Policy Action and Up scalable Practices</p> <p>[Convocation Hall]</p> <p>Chief Guest: Honourable Governor of Uttarakhand, India</p> <p>Guest of Honour: Secretary – Forests, MoEFCC, India (TBC)</p> <p>Chair: Ashwani Kumar, Director General, ICFRE</p> <p>Panelists:</p> <ul style="list-style-type: none"> ▪ Afghanistan ▪ Bhutan ▪ Bangladesh ▪ China ▪ India ▪ Myanmar ▪ Pakistan <p>Presentation of key recommendations by Rajan Kotru, ICIMOD</p> <p>Closing remarks by the Guest of Honour and Chief Guest</p> <p>Vote of thanks, P.P. Bhojvaid, FRI, and Rajan Kotru, ICIMOD</p> <p>Closing remarks by the Chair</p> <p>Session host: Rajan Kotru, ICIMOD; Neelu Gera, FRI University</p> <p>Rapporteurs: Laxmi Dutt Bhatta, ICIMOD, and Ajay Thakur, FRI</p>									
<p>15:30–16:30</p>	<p>Symposium Press Conference (Board Room)</p>									

Conference speakers



Chetan Agarwal is an independent Forest and Environment Analyst and a Senior Fellow with the Centre for Ecology, Development and Research (CEDAR). He works on analysing and mainstreaming ecosystem services using a variety of instruments including incentive-based mechanisms, zoning, tenure and community and public investment, in the face of climate change. He has undertaken projects focusing on promoting watershed services in the HKH region, particularly in Himachal Pradesh and impacts on diverse stakeholders.



Kiran Asher is a senior scientist in the Forests and Livelihoods portfolio at the Centre for International Forestry Research (CIFOR) in Bogor, Indonesia. She is an interdisciplinary scholar with a PhD in Comparative Politics from the University of Florida, a Master's in Environmental Management from Duke University, and a BSc in Life Sciences from St Xavier's College, Bombay. Her training is grounded in two decades of field-based research in Latin America and South Asia. Her diverse research interests focus on the gender and ethnic dimensions of social and environmental change in the global south. Her publications include a monograph titled *Black and Green: Afro-Colombians, Development, and Nature in the Pacific Lowlands* (Duke University Press, 2009). At CIFOR, she is involved in the Sloping Lands in Transition (SLANT) project, and also in examining the gender dimension of forests, food security, and small-holder resource management. She is fluent in English, Spanish, and Portuguese, has a reading knowledge of French, a basic command of Bahasa Indonesia, and solid working knowledge of Hindi, Marathi, Gujarati, and Kutchi.



P.P. Bhojvaid has 30 years' experience in forestry in various parts of India, with a focus on eco-restoration of degraded sites and ecological, technical and economical aspects of agroforestry. At present, he is steering research, development, education and extension activities at the Forest Research Institute, Dehradun, India. This Institute provides advisory services on various aspects of sustainable forest management to the state forest departments, farmers, ministries and other stakeholders in India. Dr Bhojvaid is also Vice Chancellor of the FRI Deemed University, which awards postgraduate and doctoral degrees to registered scholars. A member of the Indian Forest Service, he has a PhD in Forestry Ecology from University of Toronto, Canada. He also worked as Vice-Chancellor of TERI University, which imparts education in niche areas of sustainable development.



Rucha Ghate is Senior Governance and NRM Specialist at ICIMOD. Before joining ICIMOD, she was working as Director at the Institute for Research and Development, Nagpur, India. Dr Ghate's areas of interest include common pool resources, collective action, and institutions. She has conducted several studies on the human aspect of natural resources – traditional knowledge, governance, and the impact of government policies. She has also taught environmental economics and research methodology courses at Nagpur University, India; Asian Institute of Technology, Thailand; TERI University, New Delhi; and Mekong Institute Foundation, Thailand. She has published articles in several international and national journals, authored two books, and co-edited one book. She is a recipient of several fellowships, like the post-doctoral overseas fellowship in Environmental Economics, two writing fellowships at Indiana University in 2004 and 2011, the (shared) Karl Goran Maler scholarship at Beijer Institute, Stockholm, Sweden, in 2009, and at the University of Michigan, USA, in 2009.



Md. Akbar Hossain is Deputy Chief Conservator of Forests (Social Forestry Wing) and Director of the Strengthening Regional cooperation for Wildlife Protection Project. His work focuses on the conservation of biodiversity and wildlife of the country. He has an MSc in Forestry from the University of Peshawar, Pakistan, an MSc in Zoology from the University of Dhaka, Bangladesh, and a Postgraduate Diploma in Apiculture from Cornell University, USA. His areas of interest include forest resources management, plantation management, project management, wildlife management, participatory forestry development, and apiculture.



Chad Oliver received a PhD in forestry from Yale University in 1975. He was briefly (1973—1975) a Research Fellow and Instructor at The Harvard Forest, Harvard University, and then was a faculty member of the College of Forest Resources, University of Washington in Seattle, USA, from 1975—2002. He returned to the Yale University School of Forestry and Environmental Studies in 2002.

Much of his early work is incorporated in a book he wrote entitled *Forest Stand Dynamics* (1990, updated edition 1996) with a former student as co-author. He is currently working on landscape approaches to management and global resource issues and is involved in technical tools, policies, and management approaches. He is interested in integrated, global, trade-off approaches to sustaining renewable energy, biodiversity, other resources, and the quality of human life. He and his wife, Fatma Arf Oliver, are writing a book titled *Global Resources and the Environment*.

Dr Oliver has consulted with timber companies, private landowners, industry associations, state and national forests, and public and elected officials in most major timber regions of the United States and some areas abroad. He was a member of the Science Panel at President Clinton's Forest Conference in 1993 and has served on or chaired various scientific panels for the United States and Washington State executive and legislative branches of government, NAFTA, and the Society of American Foresters. He is Vice President of the Tropical Forest Foundation; a Fellow in the Society of American Foresters; and a recipient of the Host Country Scientific Achievement Award at the global, pentennial IUFRO meeting in 2014 (International Union of Forest Research Organizations).

He is the author of more than 150 scientific and technical papers. His work has taken him to all parts of the United States and to many countries in South America, Europe and Asia.



Ashwini Kumar is a member of the Indian Forest Service and has worked in the field of Forest Genetics and Tree Breeding in the State of Uttar Pradesh (UP), India. He has served in various senior positions including as Principal Chief Conservator of Forests in the UP. A member of various academic committees of the Government of India, Dr Kumar has authored two books and numerous papers. He has held honorary or visiting professorships at many reputed universities and supervised a number of PhD students, besides editing two bi-annual journals in the field of forestry. He has received many awards in recognition of his work, including the Governor of UP Award, Forest Minister Award, Jewel of India Award, Schlich Prize and Indian Forester Award. He was recently appointed by the Government of India to serve as Director General at the Indian Council of Forestry Research and Education and Chancellor at FRI University, Dehradun.



Christian Körner is Professor Emeritus of Plant Sciences in Basel, Switzerland. He earned his PhD from the University of Innsbruck, Austria. His main interests are forest ecology, alpine ecology and the influence of environmental factors on plants. Prof. Körner is chairman of the Global Mountain Biodiversity Assessment (GMBA) of DIVERSITAS, now Future Earth. He is a member of the Austrian, German and Indian Academy of Sciences, and has published two books on mountain ecosystems that are highly relevant to this meeting (Alpine Plant Life and Alpine Treelines, both published by Springer). He was the lead author of the Mountain Chapter of the Millennium Ecosystem Assessment.



Rajan Kotru is a development specialist with over 25 years of experience in conceptualising, planning, implementing, monitoring, and evaluating research and development cooperation projects, mainly in forest ecosystem dynamics and sustainable natural resource and watershed management. He holds a PhD in Forest Management and Silviculture from Ludwig-Maximilians University, Munich, Germany, and master's and bachelor's degrees in forestry sciences from the same university. Born and raised in Kashmir, India, and having worked in the German Alps and in the Hindu Kush Himalayas, Dr Kotru has rich knowledge of mountain development issues and innovative solutions. He has worked in Bhutan, China, Germany, India, Nepal and Pakistan for the World Bank, DFID, GTZ, and KfW. He brings a seasoned policy and management practice outlook on watershed management, forestry and livelihoods, local governance, decentralised water governance, forest ecosystem services, monitoring and impact evaluation, and institutional building.



Dhananjai Mohan, a member of the Indian Forest Service, is Chief Conservator of Forests Wildlife in the office of Chief Wildlife Warden, Uttarakhand. He has managed protected areas in the undivided Uttar Pradesh and prepared management plans for many of those areas. From 1998 to 2004, he was an Associate Professor at the Indira Gandhi National Forest Academy, Dehradun. From 2006 to 2013, he served as Professor at the Wildlife Institute of India, Dehradun, where he collaborated with the University of Chicago to conduct research on Himalayan birds. He was awarded a PhD degree by the Forest Research Institute, Dehradun for his research on the habitat selection of birds in a new forest in Dehradun, India. He holds a postgraduate diploma in wildlife management, and a degree in electrical engineering from IIT, Kanpur. He has also taken short courses on biodiversity conservation and management at the University of Wales, UK and Colorado State University, USA.

Dr Dhananjai has authored a book, contributed a chapter to a book, and has published articles on avifauna, his main area of interest, in leading journals like *Nature*, *American Naturalist* and *Biology Letters*. In 2005, he was awarded the Dr Salim Ali Fellowship of the Ministry of Environment and Forests, Government of India. He is currently a fellow of the Leadership for Environment and Development (LEAD) programme initiated by the Rockefeller Foundation.



David James Molden joined ICIMOD as Director General in 2011. Dr Molden is a development specialist with more than 30 years of experience in designing, planning, executing, and monitoring programmes on water management, livelihoods, environment, and ecosystem services. He has been Deputy Director General for Research at the International Water Management Institute (IWMI) based in Sri Lanka, Chief of Party for the Irrigation Management Project in Nepal, Chief of Party for a water resources strategic research programme in Egypt, and Leader of the multi-institute Comprehensive Assessment of Water Management in Agriculture programme.

Dr Molden holds a Ph.D in Civil Engineering from Colorado State University, where he specialized in water resources. He contributed to the publication of nearly 200 works in books, refereed journals, research and project report series, the media, and educational materials. He has received many awards including the Outstanding Scientist Award of the Consultative Group on International Agricultural Research (CGIAR) in 2009.



Maharaj Muthoo has long and varied experience in the fields of environment, forestry and natural resources management. He has held senior positions in many organizations including UN branches in different parts of the world. He was head of Project Planning and Research Division in the mountain state of Kashmir and Joint Secretary for Planning in India. He has worked as team leader or policy advisor for UNDP, ODA/SIDA and DFID development programmes in Brazil, India, Guyana, Nigeria, Suriname and Tanzania. For 15 years, he was Forestry Operations Director at the FAO headquarters in Rome. Dr Muthoo has been Visiting Professor at several institutions such as the Global Warming Institute at Amity University, Roma Sapienza University, the UN University in Tokyo, and the University of Natural Resources and Life Sciences in Vienna. He is a fellow of the World Academy of Arts and Sciences, member of the Central Empowered Committee of India's Supreme Court, and mission leader or member of several activities of the Ministry of Environment and Forests in India. He serves in various capacities in numerous boards, steering committees, panels and study groups on climate change, environment, forestry, and agriculture, among others. Dr Muthoo has authored over 160 publications on agriculture, environment, forestry, international cooperation, mountains, payment for ecosystems services (PES), sustainable development, and watershed management. He holds a doctorate degree in Natural Resources and Sustainable Development from Oxford University and a master's degree in Public Policy from Harvard University



Reinhard Mosandl is a member of the Commission for Ecology of the Bavarian Academy of Sciences and Humanities and Deputy Chairman of the Bavarian Forest Society. His research interests are primarily focused on the management of forest ecosystems in the temperate latitudes and the tropics. He is particularly interested in restoration ecology, and has undertaken related projects in Ecuador, Panama, Egypt, Ethiopia, Nigeria and China. A key aim of his work is to bridge the gap between forestry science and forestry management.

After studying forest science at Munich's Ludwig Maximilian University (LMU), Prof. Mosandl earned his doctorate (1984) and lecturer qualification (1990) from LMU's Chair of Silviculture. After working as professor of forest management planning for three years, he took over as Director of the Bavarian Forestry Office in Selb. In 1993, he was appointed to the Chair of Silviculture and Forest Protection at TU Dresden. He has been full professor at Technische Universität München (TUM) since 2000.



S. B. Narayan spent nearly four decades (1965—2004) working in development administration for the state and central governments of India. In 2003—2004, he was Economic Adviser to the Prime Minister, and was responsible for implementing the economic policies of over 30 ministries including Finance, Commerce & Industry, Petroleum, Agriculture, Shipping, Road Transport & Highways, Power, etc. His main role was to monitor the special economic agenda of the Cabinet on behalf of the Prime Minister's Office. Prior to this assignment, he was with the Government of India as Finance & Economic Affairs Secretary, and Secretary in the Departments of Revenue, Petroleum, Industrial Development and Coal since 1997. As Secretary for Petroleum & Natural Gas, he was responsible for policy formulation and implementation in the hydrocarbon sector. Between 2000 and 2003, he was with the Ministry of Finance, and involved in formulating macro-economic policy for the government, tariff and taxation policies as well as initiatives for modernizing the capital markets. From 2000—2004, he was one of the key players in developing the national budget.

As Secretary for Rural Development in Tamil Nadu from 1989—1995, Dr Narayan was responsible for launching micro-credit group initiatives for the rural sector. As a result of this initiative, more than three lakh groups have been formed in Tamil Nadu so far. Dr Narayan has engaged in several sustainable development programmes, including social forestry, water management and self-employment programmes for the economically disadvantaged. From 1992—1995, he worked with an inter-governmental institution sponsored by the FAO in Dhaka, Bangladesh, looking at rural development programmes in eleven South Asian and South East Asian countries.



B.M.S. Rathore is an Indian Forest Service officer with extensive field experience in participatory forestry, biodiversity conservation, tribal development and issues related to climate change. He has worked with government agencies, research and training institutions, NGOs, community institutions, Panchayat Raj institutions, and international agencies such as the UNDP, FAO, Ford Foundation, ICEF, IFAD and DFID. In 1992 he received the 'Indira Priyadarshini Vraksha Mitra Award' for his contribution in community-based forest management, and in 1990 he was awarded the State Governments' Gold Medal for Professional Excellence in Forestry for his work in the community-based wasteland regeneration programme. He is currently Additional PCCF in Madhya Pradesh.



S. Sathyakumar has been involved in field research on mountain ungulates, galliformes and bears in the Indian Himalayas since 1989. His research interests include ecology and conservation of wildlife in the mountains; development of field techniques for the study and monitoring of rare and endangered species; and the wildlife of the southern Indian Ocean and Antarctica. He was involved in teaching high altitude ecology, habitat ecology, population ecology and quantitative ecology. He is currently a Co-chair of the South Asian Brown Bear Expert Team and a member of the IUCN/SSC Caprinae, Galliformes and Bear Specialist Groups. His current project is aimed at developing a spatial database on carnivores, their prey and their habitats in Khangchendzonga Biosphere Reserve, Sikkim and the ecology of Asiatic black bear in Dachigam National Park, Kashmir.



Savita is an Indian Forest Service officer with a wide range of experience working in the state of Himachal Pradesh. She has served as Deputy Secretary/ Director of the National Women Commission, and worked with the Ministries of Human Resources Development, Social Justice and Empowerment, Tribal Affairs, and Information and Broadcasting. She did a short stint as Professor at Indira Gandhi National Forest Academy, and was Principal of the Central Academy for State Forest services, Dehradun for about five years. Her special interests are in issues related to human resource development and approaches for effective carbon mitigation. She has a Master's in Botany and Forestry, a Master's in Public Administration from IIPA, an MPhil in Rural Development from Punjab University, and an MBA from the University of Western Sydney, Australia. For her PhD research, she looked at governance issues in forest management, in particular the role of leadership and motivation in effective forest management.



Eklabya Sharma is Director of Programme Operations at ICIMOD, and has over 30 years of experience in sustainable natural resource management in the Hindu Kush Himalayan region.

He has a PhD in ecology from Banaras Hindu University, India. He established the GB Pant Institute of Himalayan Environment and Development in Sikkim, an autonomous regional research centre of the Indian Ministry of Environment and Forests, as founder Scientist In-Charge.

Dr Sharma has received many national and international awards including the Young Scientist Award of the Indian National Science Academy; Eminent Scientist Award from the Ministry of Environment and Forests (India); and Honourable Mention Paper Award from the Soil and Water Conservation Society (USA). He was elected Fellow of the National Institute of Ecology, the National Academy of Sciences, and the Indian National Science Academy.

He has published over 160 works, mainly in peer-reviewed international journals, and serves on the international editorial board of the journal Mountain Research and Development.



Sundar Prasad Sharma is a professional forester and currently working as a Soil Conservation Officer (Under Secretary), Chief of Geomatics Section at the Department of Irrigation (DoI), Government of Nepal. He is also Coordinator of the UN-ISDR-Regional South Asia Wildland Fire Network. He was recently honoured with the Green Star Award by the UN Office for the Coordination of Humanitarian Affairs (UN-OCHA), Green Cross International (GCI) and the UN Environment Programme (UNEP). The award recognized his contribution in raising awareness about environmental emergencies resulting from wildfires in South Asia.

Mr Sharma has 27 years' experience in natural resource management, with a focus on wildland fire management. He has published more than 30 papers and reports in national and international journals and presented more than 20 papers at various national and international forums. He has a Master's in Forest Ecology and Management from Freiburg University. He has managed various environmental projects including '3-Level Wildland Fire Management Project for Nepal' supported by the German Foreign Office in 2007.



S. P. Singh is among the best-known ecologists of India. He has made pioneering studies on Himalayan vegetation, both terrestrial and aquatic, from tropical to alpine, with major emphasis on forest ecosystem processes and on the application of ecology in solutions to environmental problems. The range of ecosystems he has studied is extraordinary, encompassing a gradient of approximately 3,300 m altitude and 16°C mean annual temperature. Prof Singh has headed the ecology group of Kumaun University for over 20 years and published over 170 papers in journals of national and international repute. He was the Vice Chancellor of Garhwal University between 2005 and 2008. He won the Birbal Sahani Medal for his contribution to the field of botany, and received the Peace Prize from Italy for his social contribution.

Dr Singh earned a BSc and an MSc from Agra University. In 1966, he was appointed Lecturer in the Department of Botany, DSB Government College, Nainital. Having understood the ecological value of lakes and forests of Kumaun and the deteriorating environmental condition of the planet, he chose to focus on ecology and did his PhD research on the lake ecosystem of Naukuchiyatal.



Bhishma P. Subedi, Executive Director of ANSAB (Asia Network for Sustainable Agriculture and Bioresources), has over 20 years of experience in participatory conservation and rural development. He has designed over 60 development and research projects and led the implementation of over 50 projects including those with multiple donors, partners and countries; developed strategies, methodologies and tools; monitored and evaluated conservation and development programmes; and acted as a resource person in national and international conferences. His research and development work covers a wide range of themes, such as community-based enterprise-oriented natural resource management, ecosystem-based commercial agriculture, climate change – REDD+, community forestry, participatory biodiversity monitoring, access and benefit sharing, land tenure and property rights, non-timber forest products, agro-forestry, and evidence based policy analysis, among others.

Dr Subedi has a Master's in Forest and Environmental Science from Yale University and a PhD in Forestry from Kumaun University. He has over 60 published articles, books, practical manuals, guidelines and toolkits, and over 100 research/technical reports to his credit. He has been recognized as the 'Champion of the Asia-Pacific Forests' by the Food and Agriculture Organization of the United Nations, and honoured with the Best Paper Award by the International Congress on Ethnobiology and the Most Innovative Development Project Award (second prize) by the Global Development Network.



Tint Lwin Thuang is Executive Director of the Centre for People and Forests, aka RECOFTC (Regional Community Forestry Training Centre for Asia and the Pacific). He holds a BSc in Forestry from Rangoon University, Myanmar, an MSc in Natural Resources Development and Management from the Asian Institute of Technology, Thailand, and a PhD from the University of Queensland, Australia. He began his career in forestry as a National Park Officer in Myanmar in 1985. He also served as a revenue and measuring team leader at Thai-Myanmar border logging concession based in Thailand in 1989.

As the Country Programme Coordinator, he helped establish the Wildlife Conservation Society-Myanmar in 1993. After completing his PhD, Dr Thuang closely worked with local communities in Papua New Guinea to help them promote their conservation friendly cocoa product through fair trade market. He coordinated the Nature Conservancy's (TNC) forest conservation programmes in Indonesia, China, Thailand, and Mekong countries. As an advisor to TNC's Responsible Asia Forestry and Trade project funded by USAID, he provided technical advice to the team and helped strengthen the partners' institutional capacity in forest management and trade. Dr Thuang is

committed to ensuring that local people and disadvantaged communities in the Asia-Pacific region get a fair share of benefits from the forests. With 28 years of experience in forest and natural resources management, he has built extensive networks with national governments, academic institutions, civil society organizations, private sector, and most notably, with local communities.



Madhu Verma is currently working as a professor of Environment and Developmental Economics at IIFM Bhopal. She holds a PhD in Industrial Economics and has been a Lead International Fellow and Fulbright Environmental Leadership awardee. Her areas of interest include economic valuation of ecosystem services, green accounting, livelihoods economics, conservation and environmental finance, ecosystem modelling of wetlands, forests and water resources, among others.

Dr Verma has 27 years of postdoctoral research experience at the University of California (Berkeley) and the University of Massachusetts (Amherst), USA. She has published more than 40 articles and chapters in international and national journals/books, and has conducted projects on valuation, green accounting and payment for ecosystem services with the support of the World Bank, Winrock International, UNEP, EU, DFID, ADB, IIED, and various ministries of the Government of India, the National Forestry Commission and the 13th Finance Commission of India. She has also contributed to the internationally acclaimed projects on Millennium Ecosystem Assessment and on the Economics of Ecosystems and Biodiversity.



Roger Villalobos works as a Forest Management and Governance Specialist at the Tropical Agriculture Research and Higher Education Centre (CATIE), an international centre for research, postgraduate education, training and technical advice in natural resources management in Latin America. He has a bachelor's degree in Agronomy and an MSc in Natural Tropical Forests Management. He has conducted research on crop breeding, natural tropical forests management (primary and secondary forests), forest governance and policies, non-timber forest products management, rural development and landscapes management in several countries of Latin America, mainly Central American countries. He has been part of rural development projects, communitarian forestry projects and training processes. He is the coordinator of the National Commission of Forests Sustainability of Costa Rica, and participates in several initiatives of forest landscapes governance.



S.S. Negi belongs to the Himachal Pradesh cadre of the Indian Forest Service. He holds a D.Sc. degree in Natural Resource Management and presently is working as Additional Director General of Forests (Forest Conservation) in the Ministry of Environment, Forest and Climate Change, Government of India. He is the author of more than 130 books on forestry, environmental sciences, Himalayan studies and natural resource management. He has been Director, Environment, Science and Technology, Government of Himachal Pradesh; Member Secretary, H.P. State Council for Science, Technology and Environment; Member Secretary HP State Biodiversity Board ; Director Forest Research Institute Dehradun (and ex-officio Vice Chancellor FRI University); Member Secretary, HP State Pollution Control Board; State Project Director, Integrated Watershed Development Project, Solan; Assistant Director, General Indian Council for Forestry Research and Education; Associate Professor, Indira Gandhi National Forest Academy, Dehradun and Director, Forest Training Institute, Chail. He is widely travelled in India and abroad.

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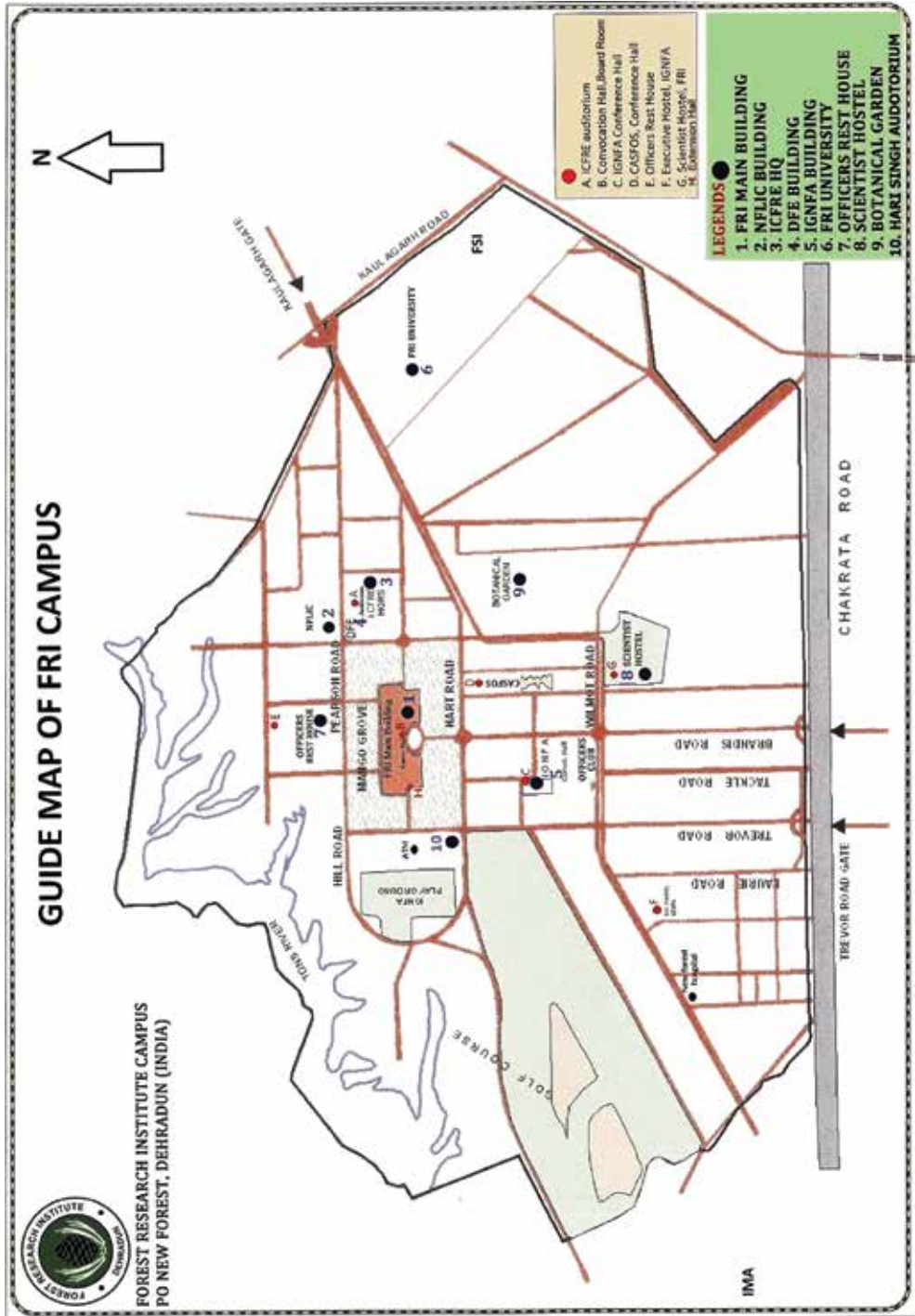
Dehradun is the capital city of the north Indian state of Uttarakhand, with an area of 3,088 sq km. It lies at an altitude of 2,100 ft (640 m). Dehradun is one of the oldest cities in India and is situated around 235 kilometers from the capital city of Delhi. The city has the Shivalik range to its south, the lesser and higher Himalayas to its north, the Yamuna river to its west and the sacred Ganges to its east. Since its location is in the hilly part of the state, the climate of Dehradun is quite pleasant. However, the winter season (between December and February) can bring temperatures down, though it's always above 0° Celsius.

Dehradun attracts tourists because of its pleasant weather and beautiful landscape. It is also the gateway to the surrounding Himalayan regions like Nainital, Mussoorie, Auli as well as sacred Hindu towns of Haridwar and Rishikesh. The city is home to some renowned educational and research institutes like the Doon School, Indian Military Academy, Forest Research Institute, and Wildlife Institute of India, among others.

Other attractions of the region include Tapkeshwar Temple, Santala Devi Temple, Tapovan, Rajaji National Park, and Malsi Deer Park. Apart from its natural beauty, monuments and institutions, the city is famous for its Basmati rice.

The best way to explore and get around Dehradun is either by car or on foot. While walking around the town, tourists can shop for local handicrafts, jewellery, woollens and books from three of the major shopping hubs here – Paltan Bazaar, Rajpur Road and Ashley Hal. Travellers can also try tasting some Tibetan momos that are served in many restaurants on Rajpur Road.

FRI campus map



Map of Dehradun City



