

# ***Innovative Technologies for Sustainable Forestry and Forest Management***

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**Innovative Technologies for Sustainable Forestry and  
Forest Management in Asia and the Pacific**

**Online workshop – 30 November, 1 December, & 3 December 2020**

**Day 2 – 1 December**

# ***Session 3.***

## ***Innovative Technologies: Challenges and Opportunities for the forest sector***

# Session 3 ...Case Studies

- ***Presentations highlighting the challenges and opportunities, strengths and weaknesses, benefits and negative impacts, barriers and enabling conditions of specific technologies***
  - **Lok Mani Sapkota, RECOFTC, *Social innovations in the application and success of community forestry.***
  - **Andrew Lowe, Australia, University of Adelaide, *The use of DNA markers for timber traceability, and potential for other uses.***
  - **Lobzang Dorji, HoF, Ministry of Agriculture and Forests, Bhutan, *The use of innovative technologies in sustainable forest management in Bhutan***

# Breakout Groups for Session 3

## *Break groups on 'Innovative Technologies: Challenges and Opportunities for the forest sector'*

- **Group A**
  - **Negative and Positive Environmental Impacts of IT**  
*biodiversity, deforestation, degradation, fragmentation, reforestation, cc mitigation & adaptation, pollutions, access to NRs*
  - **Negative and Positive Economic Impacts of IT**  
*reduced costs, improved productivity, reduced ecological footprint, reduced waste, improved resource efficiency, income, access to credit, markets*
- **Group B**
  - **Negative & Positive Impacts on Employment and Working Conditions of IT**
  - **Negative and Positive Social & Cultural Impacts of IT**  
*food security, health, education, access to information, impacts on vulnerable groups (women, the poor, minorities, ...), cultural heritage*

# Breakout Groups for Session 3

## Guiding Question:

What are the main impacts of innovative technologies, positive and negative, current and potential, and for whom?

## Expected Output

*From among the 3-5 most promising technologies/cluster on Day 1 identify examples of the main negative and positive impacts of the innovative technologies in given context.*

- **Identify a group chairperson (a rapporteur has been assigned)**
- **300-word summary to be presented during the first session on Day 3**
- **1-2 page summary report addressing the ‘expected output’**





**Thank you !!**



# ***Session 4.***

## ***Barriers to and Enabling Conditions for Technology Uptake and Upscale***

# Breakout Groups for Session 4

## *Break groups on 'Barriers to and Enabling Conditions for Technology Uptake and Upscale'*

- **Group A**
  - Transformations\* needed to ensure IT effectively contribute to sustainable development (social, economic, and environmental)
  - Transformations needed to support technology transfer and dissemination
- **Group B**
  - Transformations needed to keep 'at risk populations' from being marginalized by technology advances / adaption
  - Transformations needed to adapt existing policies and legal frameworks to fast evolving technologies

*\*Transformations: regional cooperation, institutional changes, additional investment, infrastructure development, research & development, education, capacity building*



# Breakout Groups for Session 4

## Guiding Question:

What are the main ***technical, socio-economic and institutional barriers*** that prevent the uptake and upscaling of innovative technologies in the forest sector and what ***transformations*** are needed to overcome these barriers?

## Expected Output

*Based on experience and building upon the discussions and case studies identified in the previous session, participants are expected to identify 3-5 priority transformations needed to support uptake/upscale of innovations.*

- **Identify a group chairperson (a rapporteur has been assigned)**
- **300-word summary to be presented during the first session on Day 3**
- **1-2 page summary report addressing the 'expected output'**

# Keynote Address

## *Enabling conditions for innovation*

- **Ravi Prabhu, ICRAF**, *Conditions and support required to enable uptake and upscaling of innovative technologies*





**Thank you !!**

# Thank you!

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Science for a food-secure future