Innovative Technologies for Sustainable Forestry and Forest Management

James M Roshetko, ICRAF - FTA

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/upscaling 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’
Enabling conditions for innovation

• Ravi Prabhu, ICRAF, Conditions and support required to enable uptake and upscaling of innovative technologies
Thank you !!
Thank you!

James M Roshetko
jroshetko@cgiar.org