



Report on Training of Trainers on Sustainable Forest Management

Hetauda, Bagmati province

Table of Content

Background.....	2
Objective.....	2
Methodology used in training.....	3
Participants.....	3
Modules.....	4
Ice Breaking Session.....	4
Introduction to Sustainable Forest Management (SFM).....	4
Forest Certification and Standards.....	4
Community Engagement in SFM.....	5
Forest Mapping and Zoning.....	5
Forest Inventory and Data Analysis.....	5
Review of important Silvicultural system and operations, Rotation age, Yield Regulation.....	5
Silviculture and Forest Management Prescriptions.....	5
Safe Harvesting techniques (human safety, product safety, environment safety).....	6
Improved Harvesting and Logging Tools.....	6
Thinning and Post-Harvest Management.....	6
Field visit.....	7
Forest Governance and Stakeholder Engagement.....	7
Knowledge Transfer and Training Skills.....	7
Closing ceremony.....	7
Achievements of the Training.....	8
Conclusion.....	9
Annex 1: Glimpse.....	10
Annex 2: List of the participant.....	12
Annex 3: Training feedback by participant.....	13

Background

The Training of Trainers on Sustainable Forest Management (SFM) is a comprehensive program designed to equip participants with the knowledge, skills, and tools necessary to become effective trainers in the field of forest management. This training initiative aims to address the growing need for capacity building in SFM to promote sustainable practices, enhance forest conservation efforts, and mitigate environmental degradation.

The background of this training program stems from the recognition of the critical role that forests play in supporting ecological balance, biodiversity conservation, and sustainable development. With increasing pressures on forest resources due to factors such as deforestation, illegal logging, and climate change, there is a pressing need to empower individuals with the expertise to promote responsible forest management practices.

Drawing upon the expertise of seasoned facilitators and practitioners in the field of SFM, this training program covers a wide range of topics essential for effective forest management. Participants are exposed to concepts such as forest certification, forest inventory, silvicultural systems, harvesting techniques, and forest governance. Through a combination of theoretical insights, practical exercises, and interactive discussions, participants gain a comprehensive understanding of the principles and practices of sustainable forest management.

The training background emphasizes the importance of building a cadre of competent trainers who can disseminate knowledge, foster innovation, and promote best practices in forest management within their respective communities and organizations. By equipping trainers with the necessary skills to engage stakeholders, develop training materials, and facilitate learning experiences, this program aims to catalyze positive change and contribute to the conservation and sustainable use of forest resources.

Overall, the Training of Trainers on Sustainable Forest Management serves as a platform for capacity building, knowledge exchange, and collaboration, with the ultimate goal of fostering a culture of responsible forest stewardship and ensuring the long-term health and vitality of forest ecosystems.

Objective

Specifically, the objective of training are:

- To enhance the capacity of participants in sustainable forest management principles, practices, and techniques.
- Facilitate the transfer of knowledge regarding sustainable forest management practices, emphasizing the application of the procedures outlined in the Sustainable Forest Management Procedure 2079 within the context of Bagmati Province.
- To equip participants with the knowledge, skills, and tools necessary to become effective trainers in the field of forest management.

- To promote the adoption of sustainable forest management practices aimed at conserving biodiversity, mitigating climate change, and ensuring the long-term ecological health of forest ecosystems.

Methodology used in training.

The methodology used in this training program incorporates various interactive and participatory approaches to facilitate effective learning and skill development. The key methodologies employed include:

- **Interactive Sessions:** Engage participants through interactive sessions such as brainstorming, group discussions, and plenary sessions to encourage active participation and knowledge sharing.
- **Practical Exercises:** Incorporate practical exercises, field observations, and hands-on activities to reinforce theoretical concepts and enhance participants' understanding of sustainable forest management practices. This includes field exercises for pre and post harvesting techniques.
- **Presentations:** Deliver presentations by experienced facilitators and practitioners in sustainable forest management to provide theoretical insights, case studies, and real-world examples. These presentations serve as a foundation for understanding key concepts and principles.
- **Collaborative Learning:** Facilitate collaborative learning experiences such as group work, peer-to-peer learning, and knowledge sharing to foster a supportive and inclusive learning environment. This encourages participants to learn from each other's experiences and expertise.
- **Feedback Mechanisms:** Establish feedback mechanisms to solicit input from participants, assess learning outcomes, and identify areas for improvement throughout the training program. This ensures that the training remains responsive to participants' needs and preferences.
- **Practical Application:** Emphasize practical application of knowledge and skills through field exercises, simulations, and case studies. This allows participants to directly apply what they have learned to real-world scenarios and challenges.
- **Role-playing:** Use role-playing exercises to simulate various scenarios and decision-making processes related to sustainable forest management. This helps participants develop problem-solving skills and gain practical experience in addressing complex issues.
- **Group Exercises:** Conduct group exercises to encourage collaboration, teamwork, and collective problem-solving. This enables participants to work together to analyze problems, generate solutions, and develop action plans.

Participants

Participants for this training program will be selected from various stakeholder groups actively engaged in forest management practices within Bagmati Province. This includes 32 individuals,

with 27 male participants and 5 female participants, from all division forest offices, comprising forest officers and technical staff. Additionally, representatives from academia, including professors specializing in forest management and silviculture, will be invited to participate. Furthermore, individuals from other stakeholder groups such as non-governmental organizations (NGOs) will also be considered. This diverse selection of participants aims to foster a multidisciplinary learning environment, facilitating collaboration, knowledge exchange, and networking among stakeholders involved in sustainable forest management practices across Bagmati Province.

Modules

Module of the Training and Corresponding Activities

Day 1

Ice Breaking Session

- Facilitator: Shambhu Dangal
- Activity:
 - Informal Opening: Shambhu Dangal welcomes participants with a brief introduction to the training program and sets a relaxed tone for the session.
 - Participants Introduction: Participants are invited to introduce themselves, sharing their name, affiliation, and a brief overview of their involvement or interest in forest management practices in Bagmati Province.
 - Expectations and Objectives: Shambhu Dangal outlines the expectations from the training program and invites participants to share their expectations, goals, and objectives for attending the training. This encourages participants to actively engage in the learning process and align their expectations with the training objectives.
 - Logistics: Madan Bashyal provides essential logistical information, including the schedule, venue details, and any other relevant instructions, to ensure smooth conduct of the training program.

Introduction to Sustainable Forest Management (SFM)

- Facilitator: Shiva Sapkota
- Activity: Presentation on SFM principles, followed by a brainstorming session led by Shiva Sapkota to encourage participant engagement and discussion on key concepts.

Forest Certification and Standards

- Facilitator: Shambhu Dangal
- Activity: Presentation on forest certification and SFM standards, followed by a group discussion facilitated by Shambhu Dangal to explore the relevance and application of these standards in Bagmati Province.

Community Engagement in SFM

- Facilitator: Shiva Sapkota
- Activity: Group exercise on community forest categorization and review plan development process, facilitated by Shiva Sapkota, to encourage active participation and collaboration among participants.

Forest Mapping and Zoning

- Facilitators: Rakesh Prasad Chandravanshi and Pawan Karki
- Activity: The Menti meter was employed during the forest mapping and zoning process, spearheaded by Rakesh and Pawan. Its purpose was to offer practical insights into the mapping techniques and tools utilized within Bagmati Province. Towards the end, Pawan elaborated on the concept of whole forest management.

Day 2

Forest Inventory and Data Analysis

- Facilitators: Rakesh Prasad Chandravanshi and Pawan Karki
- Activity: Hands-on training session on forest inventory techniques and data analysis, led by Rakesh and Pawan, to equip participants with practical skills for conducting forest inventories in Bagmati Province.

Review of important Silvicultural system and operations, Rotation age, Yield Regulation

- Facilitators: Edwin Cedamon
- Activity: During the session led by Edwin, participants delved into a review of important silvicultural systems and operations, with a specific focus on the results of the EnLIFT site, rotation age, and yield regulation. Edwin provided a comprehensive overview of various silvicultural systems and operational practices, drawing on real-world examples and case studies to illustrate their application in sustainable forest management. The discussion also explored the findings and implications of the EnLIFT site, highlighting key insights and lessons learned from this research initiative. Additionally, participants gained valuable insights into the determination of rotation age and yield regulation principles, enabling them to understand the factors influencing forest growth, productivity, and sustainable harvesting practices within the context of Bagmati Province. Through interactive discussions and practical exercises, participants acquired a deeper understanding of silvicultural concepts and operational strategies essential for promoting forest health, resilience, and long-term sustainability.

Silviculture and Forest Management Prescriptions

- Facilitators: Shiva Sapkota and Rakesh Prasad Chandravanshi

- Activity: Group work and presentation on silvicultural systems and forest management prescriptions, facilitated by Edwin and Shiva, to explore practical applications of these concepts in sustainable forest management.

Safe Harvesting techniques (human safety, product safety, environment safety)

- Facilitators: Edwin Cedamon
- Activity: In the session on Safe Harvesting Techniques, led by Edwin, participants will delve into the critical aspects of ensuring safety in harvesting operations, encompassing human safety, product safety, and environmental safety. Edwin will commence with an interactive discussion on the importance of safety protocols and risk mitigation strategies in forest harvesting. This will be followed by a presentation highlighting key safety measures and best practices to protect both workers and the environment during harvesting activities. To enhance understanding, Edwin will incorporate video demonstrations showcasing safe operating procedures and the proper use of equipment such as chainsaws and logging machinery. Through this session, participants will gain practical insights and skills essential for promoting safety and minimizing risks in forest harvesting operations.

Day 3

Improved Harvesting and Logging Tools

- Facilitator: Madan Bashyal
- Activity: During this session, Madan begins by providing an overview of safety equipment necessary for forest management operations, focusing particularly on the safe handling of power chain saws and safety equipment. He demonstrates the proper use of safety equipment and its significance during harvesting activities. Participants engage in hands-on demonstrations and interactive discussions to learn about the appropriate use, maintenance, and safety protocols associated with power chain saws and other logging equipment. Following Madan's presentation, Resham and Amrit share their expertise and experiences in effectively handling these tools, highlighting the importance of regular maintenance to ensure optimal performance and minimize the risk of accidents. The session concludes with group discussions and a question-and-answer session, allowing participants to gain a comprehensive understanding of best practices for using and maintaining harvesting and logging tools in the field.

Thinning and Post-Harvest Management

- Facilitators: NP Yadab and Shambhu Dangal
- Activity: Presentation and discussion on thinning techniques and post-harvest management practices, facilitated by NP Yadab and Shambhu, to address ecological considerations and best practices in forest management.

Field visit

- Facilitators: Lok Raj Nepal and Rakesh Prasad Chandravanshi
- Activity: During the field visit session of the training program, participants were taken to a nearby sal forest where the irregular shelterwood system is practiced. This hands-on experience provided participants with a real-world example of forest management techniques in action. As part of the demonstration, a practical session on the safe handling of power chain saws was conducted. Experienced trainers demonstrated proper techniques for operating the power chain saws, emphasizing safety protocols, including wearing appropriate personal protective equipment (PPE) such as helmets, gloves, and safety goggles. Participants were given the opportunity to observe and practice using the power chain saws under the guidance of the trainers, ensuring that they gained practical skills and confidence in handling this essential tool for harvesting operations. Through this field visit session, participants gained valuable insights into the application of forest management practices and acquired hands-on experience in safely operating power chain saws in a real forest setting.

Day 4

Forest Governance and Stakeholder Engagement

- Facilitator: Shambhu Dangal
- Activity: Brainstorming session on inclusive forest management planning and enhancing governance practices, led by Shambhu Dangal, to explore strategies for effective stakeholder engagement and collaboration in SFM initiatives.

Knowledge Transfer and Training Skills

- Facilitator: Shambhu Dangal
- Activity: Training session on knowledge transfer skills and effective training methodologies, facilitated by Shambhu Dangal, to empower participants with the tools and techniques necessary to become effective trainers in SFM.

Closing ceremony

- The closing ceremony of the training program was led by Secretary Dharendra Pradhan, who presided over the distribution of certificates to participants, acknowledging their successful completion of the training. In his address, Secretary Pradhan shared his own experiences and insights gained from his involvement in sustainable forest management initiatives. He emphasized the importance of applying the knowledge and skills acquired during the training in practical settings to promote the conservation and sustainable use of forest resources. Secretary Pradhan commended the dedication and commitment of the participants towards enhancing their capacity in forest management practices and encouraged them to

continue their efforts towards fostering a culture of responsible forest stewardship in their respective communities and organizations.

Achievements of the Training

- **Enhanced capacity:** Participants developed a deeper understanding of sustainable forest management principles, techniques, and procedures, particularly those outlined in the Sustainable Forest Management Procedure 2079 of Bagmati Province. Through interactive sessions and practical exercises, participants gained practical skills and knowledge applicable to their roles in forest management. Also, participants gained valuable field-level knowledge on pre- and post-harvesting practices, including safety equipment and safe procedures for handling power chain saws. Through hands-on training sessions and practical exercises, participants developed a comprehensive understanding of the importance of safety protocols and proper equipment usage in forest harvesting operations. They acquired practical skills in the safe handling of power chain saws, including maintenance, operation, and safety procedures, ensuring their competence in implementing safe practices in real-world forestry settings. This achievement equips participants with the necessary expertise to promote safety awareness and adherence to best practices in forest harvesting activities, thereby contributing to the overall safety and well-being of forest workers and the sustainable management of forest resources.
- **Knowledge transfer:** The training facilitated the transfer of knowledge and best practices in sustainable forest management, with a specific focus on implementing the procedures outlined in the Sustainable Forest Management Procedure 2079. Participants gained insights from experienced facilitators, case studies, and real-world examples, enabling them to apply this knowledge in their respective contexts.
- **Trainer development:** Participants were equipped with the necessary skills and expertise to serve as effective trainers in sustainable forest management. Training sessions on knowledge transfer skills and training methodologies provided participants with the tools and techniques needed to facilitate learning experiences and disseminate knowledge within their communities and organizations.
- **Promotion of sustainable practices:** By emphasizing the implementation of the Sustainable Forest Management Procedure 2079 of Bagmati Province recent Forest Act and Regulation, the training program aimed to promote the adoption of sustainable forest management practices. Participants gained insights into the importance and relevance of these practices in conserving biodiversity, mitigating climate change, and ensuring the long-term ecological health of forest ecosystems in Bagmati Province.

Conclusion

The Training of Trainers on Sustainable Forest Management in Bagmati Province has been a resounding success, culminating in the empowerment of participants with essential knowledge and practical skills for effective forest management practices. Throughout the training program, participants gained field-level expertise on pre- and post-harvesting procedures, with a particular emphasis on safety equipment and safe handling of power chain saws. The hands-on approach employed in the training sessions enabled participants to acquire practical skills and confidence in implementing safe practices in forest harvesting operations. As a result, participants are now equipped to serve as catalysts for change within their respective communities and organizations, promoting safety awareness and adherence to best practices in sustainable forest management. The achievements of this training program underscore its significance in fostering a culture of safety, sustainability, and stewardship of forest resources in Bagmati Province. Moving forward, it is imperative to continue building upon the momentum generated by this training, fostering collaboration, knowledge exchange, and collective action to ensure the long-term health and vitality of forest ecosystems in the Bagmati province as a Sustainable Forest Management Procedure, 2079.

Annex 1: Glimpse





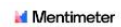
Annex 2: List of the participant

Sn	Name	Organization	Designation
1	Ghanshyam Bohara	Division forest office, Marine	Forest Officer
2	Santosh Pokhrel	Division forest office, Marine	Forest Officer
3	Ashish Poudel	Division forest office, Dolakha	Forest Officer
4	Sundar Rai	Forest Research and Training Center	Research Officer
5	Tanka Narayan Shrestha	Division forest office, Dhading	Forest Officer
6	Tara Prasad Shiwakoti	Division forest office, Chitwan	Forest Officer
7	Naresh Purbe	Division forest office, Sindhupalchowk	Forest Officer
8	Pannalal Prasad Chaurasiya	Division forest office, Sindhupalchowk	Forest Officer
9	Radhika Ojha	Division forest office, Nuwakot	Forest Officer
10	Milan Budha	Division forest office, Ramchhap	Forest Officer
11	Bibechana Adhikari	Division forest office, Nuwakot	Forest Officer
12	Susmita Satyal	RECOFTC, Nepal	Program Officer
13	Achyut Prasad Upadhaya	Division forest office, Makwanpur	Forest Officer
14	Govinda Aryal	Forest Directorate, Hetauda	Forest Officer
15	Bishal Bhattarai	MoFE, Bagmati	Forest Officer
16	Dipak Prasad Pudasaini	Division forest office, Dhading	Forest Officer
17	Keshav Pudasaini	Division forest office, Lalitpur	Forest Officer
18	Chiranjibi Thapa Magar	Division forest office, Dolakha	Forest Officer
19	Sharu Shrestha	Division forest office, Makwanpur	Forest Officer
20	Sanjeev Subedi	MoFE, Bagmati	Forest Officer
21	Rupak Khatri	Division forest office, Kavrepalanchok	Forest Officer
22	Arun Kumar Tiwari	Division forest office, Sindhuli	Forest Officer
23	Kusum Nepal	Division forest office, Rapti	Forest Officer
24	Damyanti Pandey	Division forest office, Bhaktapur	Forest Officer
25	Prakash Gurung	MoFE, Bagmati	Forest Officer
26	Rupak Kumar Blon	Division forest office, Rapti	Forest Officer
27	Bachchuram Subedi	Division forest office, Sindhuli	Forest Officer
28	Ramesh Silwal	Assistant Professor, AFU	Assistant Professor
29	Rajbabu Pahadi	Assistant Professor, IOF	Assistant Professor
30	Hari Chandra Timalisina	Division forest office, Kavrepalanchok	Forest Officer
31	Anil Koirala	Sallechautara cluster FMC, Kavre	Forest Officer
32	Basanta Raj Gautam	Division forest office, Makwanpur	Forest Officer

Annex 3: Training feedback by participant

The feedback from participants indicated a high level of satisfaction with the session overall. Almost all the participants expressed appreciation for the content and delivery of the session. However, a few participants raised concerns regarding the duration and depth of the field activity. Some suggested that the field visit session could have been extended to allow for more hands-on experience and practical learning opportunities. They felt that a longer field visit would have provided a better understanding of real-world forest management practices. Despite this feedback, most participants found the session valuable and informative, highlighting the engaging nature of the discussions and the practical insights gained from the demonstrations.

Feedback of participant by using menti meter tools during training.



How was the yesterday program ?

Complete	Very nice	Fruitful	Nice and informative
Very informative	Fruitful yet tiring	Good	Small doses
its amazing	It was great but it could have been better if groups were further broken down.	Regeneration was wonderful	Practical sessions and fruitful.
Regeneration is wonderful	Good and informative	Practical session was not sufficient	Something/Lesson learned
good	Short		