

TRAINING WORKSHOP

Earth observation for improving forest carbon estimation and degradation monitoring in Bangladesh

29 April – 2 May 2024 | Dhaka, Bangladesh

Agenda

Day 1 – Monday, 29 April 2024

Time	Topic
09:00–09:30	Registration
09:30–10:30	Opening session (S1) <ul style="list-style-type: none">• Welcome remarks – Kabir Uddin, ICIMOD• Capacity-building efforts in the HKH region and training overview – Birendra Bajracharya, ICIMOD• Remarks – Special Guest, SilvaCarbon/ Compass• Remarks – Special Guest, Mr. Zaheer Iqbal, Deputy Conservator of Forests, BFD• Remarks – Chief Guest, MoCHTA • Introduction of participants• Pre-training assessment (15 min) – Sajana Maharjan, ICIMOD • Group photo
10:30–11:00	Tea break
11:00–12:30	Morning session (S2) <ul style="list-style-type: none">• Regional landcover monitoring system - Kabir Uddin, ICIMOD
12:30–13:30	Lunch break
13:30–17:00	Afternoon session (S3) <ul style="list-style-type: none">• Demonstration of RLCMS – Kabir Uddin, ICIMOD• Hands-on exercises on calculating forest carbon stocks using activity data – Sajana Maharjan and Rajesh Bahadur Thapa, ICIMOD
15:00–15:30	Working tea/coffee
	Hands-on exercises (continued)

Day 2 – Tuesday, 30 April 2024

Time	Topic
09:00–12:30	Morning session (S4) <ul style="list-style-type: none"> Reflections on the previous day (30 min) – Rajesh Bahadur Thapa, ICIMOD Lecture <ul style="list-style-type: none"> Understanding forest carbon estimation with SAR – Rajesh Bahadur Thapa, ICIMOD Efforts in forest carbon estimation of Sundarban – Sajana Maharjan , ICIMOD <ul style="list-style-type: none"> Hands-on exercises on SAR model building for forest carbon stocks – Sajana Maharjan and Rajesh Bahadur Thapa, ICIMOD
11:00–11:15	Break <ul style="list-style-type: none"> Hands-on exercises (continued)
12:30–13:30	Lunch break
13:30–17:00	Afternoon session (S5) Lecture <ul style="list-style-type: none"> Introduction to and overview of TLS for forest monitoring – Bimal Kumar Acharya / Amul Kumar Acharya, FRTC Demo on TLS data for forest carbon stock estimation and its application to forest inventory – Bimal Kumar Acharya/Amul Kumar Acharya, FRTC
15:00–15:30	Working tea/coffee Lecture <ul style="list-style-type: none"> Efforts on urban forestry carbon inventory and tree cover monitoring in Bangladesh – Zaheer Iqbal, BFD and Md. Shams Uddin, USFS Compass

Day 3 – Wednesday, 1 May 2024

Time	Topic
09:00–12:30	Field excursion session (S8) <ul style="list-style-type: none"> Assemble in the hotel lobby Briefing about field work site and day plan – BFD/ICIMOD Start the field excursion using shuttle bus
12:30–13:30	Lunch break
13:30–17:30	<ul style="list-style-type: none"> Continue field excursion in different forest areas Get back to the hotel

Day 4 – Thursday, 2 May 2024

Time	Topic
09:00–12:30	<p>Morning session (S6)</p> <ul style="list-style-type: none"> • Reflections on the previous day (30 min) – Rajesh Bahadur Thapa, ICIMOD • Field work experiential learnings – participants/ <p>Lecture</p> <ul style="list-style-type: none"> • Introduction to the GEDI LiDAR mission – Sean Healey, USFS <p>Hands-on exercises</p> <ul style="list-style-type: none"> • Explore OBIWAN web-based tool for estimating carbon stocks using calibration of GEDI data with local inventory records - Ashraful Islam, USFS
11:00–11:15	<p>Break</p> <ul style="list-style-type: none"> • Hands-on exercises (continued)
12:30–13:30	<p>Lunch break</p>
13:30–17:00	<p>Afternoon session (S7)</p> <p>Lecture</p> <ul style="list-style-type: none"> • Efforts on sustainable forest management-based emission reduction in Nepal – Bimal Kumar Acharya, FRTC <p>Hands-on exercise</p> <ul style="list-style-type: none"> • Mapping forest degradation – Bimal Kumar Acharya/Amul Kumar Acharya, FRTC
15:00–15:30	<p>Working tea/coffee</p> <ul style="list-style-type: none"> • Hands-on exercises (continued) • Post-training assessment – Sajana Maharjan, ICIMOD
16:00–17:00	<p>Closing session (S9)</p> <ul style="list-style-type: none"> • Overall training reflection participants / training assessment results – Rajesh Bahadur Thapa and Sajana Maharjan ICIMOD • Remarks – Special Guest, SilvaCarbon / Compass • Remarks – Birendra Bajracharya, ICIMOD • Certificate distribution • Remarks – Chief Guest, CCF, BFD

About SERVIR

A joint initiative of NASA, USAID, and leading geospatial organisations in Asia, Africa, and Latin America, SERVIR partners with countries in these regions to address critical challenges in climate change, food security, water and related disasters, land use, and air quality. Using satellite data and geospatial technology, SERVIR co-develops innovative solutions through a

network of regional hubs to improve resilience and sustainable resource management at local, national and regional scales.

ICIMOD implements the SERVIR Hindu Kush Himalaya (SERVIR-HKH) Initiative – one of five regional hubs of the SERVIR network – in its regional member countries, prioritising activities in Afghanistan, Bangladesh, Myanmar, Nepal and Pakistan. For more, please visit servir.icimod.org or write to servirhkh@icimod.org.

About SilvaCarbon

SilvaCarbon is an interagency technical cooperation programme of the U.S. Government to enhance the capacity of selected tropical countries to measure, monitor, and report on carbon in their forests and other lands. Drawing on expertise and resources from multiple U.S. Government agencies and partners, the programme provides targeted technical support to countries in the process of developing and implementing national forest and landscape monitoring systems to support management decisions. SilvaCarbon leverages state-of-the-art science and technology to advance the generation and use of improved information related to forest and terrestrial carbon. For more, please visit silvacarbon.org.

