



**Short Term Training Course on**  
***"Forest-based Climate Change Adaptation and Practices"***

**COURSE GUIDELINES**

**3 - 7 May 2021**

**Virtual Training**

**AFoCO Regional Education and Training Center**

## 1. BACKGROUND

Climate change is a global, natural phenomenon that has significant impacts on the ecological system. It creates many adverse effects on the Earth and human beings. Facing and coping with the impacts of climate change are challenging and inevitable for everybody. With Global warming, the more the Earth's temperature increases, the more profound and unforeseen negative impacts will occur, e.g., freshwater supply.

Nowadays, Asia is one of the most vulnerable regions to climate change. Countries are expected to be seriously affected by the adverse impacts of climate change since most economies are relying on agriculture and natural resources. The climatic impacts will severely threaten the livelihood of poor people living in rural areas with limited adaptive capacity. Disasters, i.e., such as forest fire, smoke, haze, floods, droughts, and tropical typhoons, have become severely affected by climate changes.

There are two primary policy responses to climate change which are: adaptation and mitigation. Mitigation consists of actions to limit the magnitude or rate of global warming and its related effects. Climate change mitigation generally involves reductions in human (anthropogenic) emissions of greenhouse gases (GHGs). Mitigation may also be achieved by increasing the capacity of carbon sinks, for example, through reforestation. Mitigation policies can substantially reduce the risks associated with human-induced global warming.

Adaptation means anticipating the adverse effects of climate change and taking appropriate actions to prevent or minimize the damage they can cause, or taking advantage of opportunities that may arise. The IPCC defines adaptation as: *"the process of adjustment to actual or expected climate and its effects. In human systems, adaptation seeks to moderate or avoid harm or exploit beneficial opportunities. In some natural systems, human intervention may facilitate adjustment to expected climate and its effects"*. Adaptation needs to be tailored into local, sub-national, and national decision-making to meet local needs and circumstances. Synergies should also be strengthened at all levels, including action taken under various multilateral environmental agreements.

While forests are impacted by climate change, they also play a critical role in adaptation to climate change. From the remote and intact areas to urban surroundings, forests support diverse species, including human beings, to adapt to changing climate patterns and sudden climate events. Moreover, forests indirectly support economies to adapt to climate change by reducing the costs of climate-related negative impacts, which directly support global society to meet the Sustainable Development Goals (SDGs). Under the post-COVID-19 era where New Normal is set in all the sectors, forests and forestry sector may also explore their future roles of FBCCA.

This lecture will actively respond to the global call to increase awareness of climate change and its impacts among policy makers in forest and forestry sectors. In addition to publicizing the problems, knowledge of FBCCA approaches, tools, and financing mechanisms will be shared, e.g., urban forestry, biodiversity conservation, nature-based solutions, disaster risk management, community-based fire/water management, agroforestry, and ecosystem/landscape-based adaptation. Doing so will encourage participating trainees to take active attention to the FBCCA, which will eventually lead the trainees to utilize the training outputs as their baseline information to develop project concept notes.

## 2. OBJECTIVES

The course aims to provide participants with in-depth knowledge of the policies and regulatory frameworks for developing and managing climate change adaptation strategies. Participants will learn how to handle climate change issues with practical and sustainable solutions, whose outputs will be utilized as the baseline information for the project concept note development.

The three key objectives of the training are:

- 1) to enhance understanding of the forest-based climate change adaptation in the context of sustainable development;
- 2) to share practical cases and experiences of member countries; and,
- 3) to discuss challenges and opportunities and establish possible recommendations and concrete ideas reflecting the lessons learned.

## 3. TARGET PARTICIPANTS

This course will welcome 24 gender-balanced technical-level government officials and forestry experts involved in climate change adaptation and related work. Those involved for a minimum of one year of serving the government will be invited from the respective member countries.

## 4. TRAINING SCHEDULE (Tentative. Korea Standard Time)

Day	Time	Activity	Remark
<b>30 Apr. (Fri.)</b>	15:00-17:00	Check and confirm Zoom Application connection	The Secretariat
<b>3 May (Mon.)</b>	10:30-11:30	Check and confirm Zoom Application connection	The Secretariat
	11:30-11:40	Opening Ceremony	ED
	11:40-12:00	Instruction to the course & participants	The Secretariat
	12:00-13:00	• Presentation 1. Country report	Trainer & Trainees
	13:00-14:00	Break	
	14:00-15:00	• Presentation 1. Country report Q & A	Trainer Trainees
	15:00-17:00 (120')	• Lecture 1. Introduction to Forest-based Climate Change Adaptation Q & A	Trainer
<b>4 May (Tues.)</b>	11:00-13:00 (120')	• Lecture 2. FBCCA and REDD+ Q & A	Trainer
	13:00-14:00	Break	
	14:00-15:30 (90')	• Lecture 3. FBCCA Approach 1: Biodiversity Conservation and Climate Resilient Genetic Resource Management Q & A	Trainer
	15:30-17:00 (90')	• Lecture 4. FBCCA Approach 2: Climate Resilient Urban Forestry and Innovative Technologies Q & A	Trainer
<b>5 May (Wed.)</b>	11:00-13:00 (120')	• Lecture 5. National Strategy and Implementation to Forest-based Climate Change Adaptation Q & A	Trainer
	13:00-14:00	Break	
	14:00-15:30	• Lecture 6. FBCCA Approach 3: Climate Change and	Trainer

	(90')	Disaster Risk Management Q & A	
	15:30-17:00 (90')	<ul style="list-style-type: none"> <li>Lecture 7. FBCCA Approach 4: Community-Based Fire and Water Management Q &amp; A</li> </ul>	Trainer
<b>6 May (Thur.)</b>	11:00-13:00 (120')	<ul style="list-style-type: none"> <li>Lecture 8. Climate Change and Sustainable Development Goals (SDGs) in Post COVID-19 Era: Challenges and Opportunities Q &amp; A</li> </ul>	Trainer
	13:00-14:00	Break	
	14:00-15:30 (90')	<ul style="list-style-type: none"> <li>Lecture 9. FBCCA Approach 5: Ecological Resilience and Ecosystem/landscape-based adaptation Q &amp; A</li> </ul>	Trainer
	15:30-17:00 (90')	<ul style="list-style-type: none"> <li>Lecture 10. FBCCA Approach 6: Linking Agroforestry: A Nature-based Solution to Climate Change Adaptation Q &amp; A</li> </ul>	Trainer
<b>7 May. (Fri.)</b>	11:00-13:00	<ul style="list-style-type: none"> <li>Presentation 2. Action Plan</li> </ul>	Trainer Trainees
	13:00-14:00	Break	
	14:00-17:00	<ul style="list-style-type: none"> <li>Discussion and Feedbacks on Training Course</li> <li>Closing Ceremony</li> </ul>	The Secretariat

## 5. REGISTRATION

Participants are requested to submit their information provided by the AFoCO RETC. For more information, please refer to the attached template.

## 6. FINANCIAL SUPPORT

A nominal training allowance of US\$35 per day will be provided for the respective nominee.

## 7. LINK TO THE COURSE

After compiling information on the nominees by the AFoCO Focal Points, the RETC plans to inform them of the zoom link and other information through e-mail.

## 8. LOCAL TIME

Korea Standard Time will be applied during the training course. Please, note that Korea Standard Time (GMT+9) is 9:00 hours ahead of Greenwich Mean Time.

## 9. LINK SET UP AND TESTING

- Two (2) days before the event.
  - a. Share event schedule with all participants.
  - b. Convene the participants and do a quick run-thru of the basic event structure: test screen shares and presentation materials.
  - c. Have the participants update the Zoom app on the computer or device they will use in the meeting.
  - d. Examine registration responses for interesting question responses.

- 15-30 minutes before the event - have all participants sign in to the event and verify:
  - a. The person controlling the zoom session is listed as a host in the participant window. This is generally the training organizer.
  - b. The participants are listed as such in the participant window. If they are not, request the host to correct them.
  - c. All necessary presentation materials are present and ready, including PowerPoint, docs, websites, and video clips.

## 10. GENERAL INFORMATION DURING THE COURSE

The participants shall observe the following:

- Participants are requested to display their country plate during the training course.
- During the training session, the only authorized speaker allows to turn on the microphone. The rest of the participants must turn off their audio.
- When participants wish to intervene, kindly notify the host through chat of the ZOOM application or raise hands or nameplate.
- The facilitator/trainer will authorize an intervention only after the presentation is concluded to avoid distraction.
- If more than one participant requests to speak, the host will invite them to speak in the request's order. Participants will speak after the call of the host only.
- If participants encounter a technical problem, kindly notify the host through chat of the virtual application.

## 11. GENERAL ENQUIRIES / EMERGENCY CONTACT

For more information or in the case of emergencies, please request you to contact the following officers:

***Ms. Soozin Ryang***

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## Attachment-1. Overview on Lectures

<b>Lecture 1. Introduction to Forest-based Climate Change Adaptation (FBCCA)</b>	
A. Lecture Overview	This lecture introduces the concept of forest-based climate change adaptation (FBCCA). It covers a global trend of climate change mitigation and adaptation and offers types and practices of FBCCA.
B. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>• Understand the historical overview of international responses to climate change;</li> <li>• Understand the respective concept and trends of climate change mitigation and adaptation;</li> <li>• Understand the AFoCO's climate change adaptation strategies</li> <li>• Define adaptation to climate change and the concept of FBCCA; and,</li> <li>• Distinguish different types of FBCCA.</li> </ul>
C. Content	(1) Concept and trend of climate change mitigation (e.g., Net-zero, carbon-offset etc.), adaptation (e.g., NAPs, LAPAs, etc.), and cross-cutting (e.g., REDD+, NDCs, etc.) (2) Concept and strategies of FBCCA (3) Types of FBCCA (4) AFoCO's progress on the FBCCA strategies
<b>Lecture 2. FBCCA and REDD+</b>	
D. Lecture Overview	This lecture introduces the policy framework for FBCCA and REDD+: how a set of arrangements is formed from local procedures to guidelines, standards, policy, and legislation. It also introduces cases of climate financing mechanism under negotiation or decision-making to guide a more detailed set of REDD+ and adaptation strategies in forestry sector.
E. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>• Understand the development of policy framework for FBCCA and REDD+;</li> <li>• Understand the climate financing mechanism for FBCCA and REDD+; and,</li> <li>• Describe the country's policy framework.</li> </ul>
F. Content	(1) Concept of the policy framework (2) Development of the policy framework for FBCCA and REDD+ (3) Climate financing mechanism under FBCCA and REDD+ (4) Challenges and opportunities
<b>Lecture 3. FBCCA Approach 1: Biodiversity Conservation and Climate Resilient Genetic Resource Management</b>	
G. Lecture Overview	This lecture introduces FBCCA practices in biodiversity conservation and genetic resource management to encourage the trainees to brainstorm their country's strategies.
H. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>• Approach biodiversity conservation and genetic resource management linking to the country's climate change adaptation policies;</li> <li>• Distinguish FBCCA-related biodiversity conservation and genetic resource management; and,</li> <li>• Initiate to develop its related strategies of the country.</li> </ul>
I. Content	(1) Concept of climate-resilient genetic resource management (2) Strategies and measures (3) Case study (e.g., seed/gene bank, seed vault, etc.) (4) Challenges and opportunities

#### Lecture 4. FBCCA Approach 2: Climate Resilient Urban Forestry and Innovative Technologies

J. Lecture Overview	This lecture introduces FBCCA practices in urban forestry and nature-based solutions to encourage the trainees to brainstorm their country's strategies
K. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>• Approach urban forestry scheme linking to the country's climate change adaptation policies;</li> <li>• Distinguish FBCCA-related innovative technologies; and,</li> <li>• Initiate to develop urban forestry strategies in the FBCCA approach.</li> </ul>
L. Content	(1) Concept of climate-resilient urban forestry (2) Introduction to innovative technology related to FBCCA (3) Case study (4) Challenges and opportunities

#### Lecture 5. National Strategy and Implementation to Forest-based Climate Change Adaptation

M. Lecture Overview	This lecture introduces how the National Adaptation Plan including FBCCA strategies is developed and provides integrated/cross-sectoral approaches to develop the plan.
N. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>• View FBCCA in an integrated/cross-sectoral manner; and</li> <li>• Initiate developing National Adaptation Plan including FBCCA.</li> </ul>
O. Content	(1) Concept of National Adaptation Plan and FBCCA (2) Strategies and measures (3) Case study (4) Challenges and opportunities

#### Lecture 6. FBCCA Approach 3: Climate Change and Disaster Risk Management

P. Lecture Overview	This lecture introduces FBCCA practices in disaster risk management to encourage the trainees to brainstorm their country's strategies.
Q. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>• Approach the disaster risk management schemes linking to the country's climate change adaptation policies;</li> <li>• Distinguish FBCCA-related disaster risk management; and,</li> <li>• Initiate developing its related strategies of the country.</li> </ul>
R. Content	(1) Concept of disaster risk management under climate change adaption scheme (2) Strategies and measures (3) Case study (4) Challenges and opportunities

#### Lecture 7. FBCCA Approach 4: Community-Based Fire and Water Management

S. Lecture Overview	This lecture introduces FBCCA practices in community-based fire and water management to encourage the trainees to brainstorm their country's strategies.
T. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>• Understand community-based fire and water management as part of FBCCA strategy;</li> <li>• Distinguish FBCCA-related community-based fire and water management; and,</li> </ul>

	<ul style="list-style-type: none"> <li>Initiate developing its related strategies of the country.</li> </ul>
U. Content	(1) Concept of community-based fire and water management (2) Strategies and measures (3) Case study (4) Challenges and opportunities
<b>Lecture 8. Climate Change and Sustainable Development Goals (SDGs) in Post COVID-19 Era: Challenges and Opportunities</b>	
V. Lecture Overview	This lecture introduces SDGs and their relation to climate change adaptation with its challenges and opportunities, particularly in the post-COVID-19 era where all the New Normal arrangements are set. Particularly, this lecture draws on how FBCCA strategies would be developed to meet the essence of the SDG 13 "Climate Action".
W. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>Understand climate change in the perspective of the SDGs;</li> <li>Distinguish FBCCA's opportunities and challenges of the country to meet SDGs; and,</li> <li>Initiate the development of FBCCA strategies linking to SDGs.</li> </ul>
X. Content	(1) Concept of SDGs and climate change adaptation (2) Strategies and measures (3) FBCCA and SDG-13: Challenges and opportunities (4) Case study
<b>Lecture 9. FBCCA Approach 5: Ecological Resilience and Ecosystem/landscape-based adaptation</b>	
Y. Lecture Overview	This lecture introduces FBCCA practices in the ecosystem/landscape-based adaptation mechanism to encourage the trainees to brainstorm their country's strategies.
Z. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>Understand the concept of ecosystem/landscape-based adaptation; and</li> <li>Initiate developing its related strategies of the country.</li> </ul>
AA. Content	(1) Concept of ecosystem/landscape-based adaptation (2) Strategies and measures (3) Case study (4) Challenges and opportunities
<b>Lecture 10. FBCCA Approach 6: Linking Agroforestry: A Nation-based Solution to Climate Change Adaptation</b>	
BB. Lecture Overview	This lecture introduces FBCCA practices in agroforestry to encourage the trainees to brainstorm their strategies for the country as one of the nature-based solution to climate change adaptation.
CC. Learning Outcomes	At the end of this lecture, trainees will be able to: <ul style="list-style-type: none"> <li>Approach agroforestry schemes linking to the country's climate change adaptation policies;</li> <li>Distinguish FBCCA-related agroforestry; and,</li> <li>Initiate developing its related strategies of the country.</li> </ul>
DD. Content	(1) Concept of agroforestry the perspective of FBCCA (2) Strategies and measures (3) Case study (4) Challenges and opportunities



## Attachment-2. Overview on Country Report and Action Plan

### Purpose

Both country reports and action plans are primary materials developed and submitted by the participants. The reports help the participants take active attention and participation in the training topics, which will eventually lead the participants to utilize the training outputs as their baseline information to develop project concept notes.

### Country Report

Subject to the training subject, the Country Report (CR) will summarize the current status of the country and list down the main challenges and issues to wit: (1) organizational structure of the government of the forestry sector; (2) backgrounds of the country and the national policies related to the training subject; (3) list of the previous/on-going projects representing the training subject in the country; (4) main challenges and issues in your country; and (5) each participant's training questions related to the subject. A presentation template will be provided to the trainees.

### Action Plan

Subject to the training subject, the Action Plan (AP) will provide the summary actions how to tackle down the issues based on their country report, including: (1) SWOT analysis, based on the improved problem tree; (2) problem statements and suggested strategies; (3) specific action plan (i.e., project objectives, budget, duration, and timelines, implementing organization, beneficiaries, and potential environmental and social risk); and, (4) expected outputs and outcomes including economic, technical, social, and environmental impacts. A presentation template will be provided to the trainees.

