

# 5-day Training on Climate Change and Adaptation

Developed by:  
Bangladesh Centre for Advanced Studies  
(BCAS)

[A comprehensive training module along with guideline for trainers aiming to enhance capacity of different stakeholders to understand climate change better and explains several frameworks, tools and techniques to facilitate planning and designing community based adaptation projects]



**DRAFT PROGRAMME**  
**5-Day Training on Climate Change and Adaptation**

**Programme**

Time	Subject	Content/Purpose
<b>Day One: Understanding Climate Change Science, Climate Change Scenario, Responses to Climate Change and Justice, and Basic terminology</b>		
Morning-1	<b>Welcome, Opening and Introductions</b>	<p><b>Registration</b></p> <p>Welcome Address by Host</p> <p><b>Chapter 01 of the Module</b></p> <p>Course introduction, objective of the training course, contents of the training course, methods to be applied, training materials to be used, facilitators and their role during the training, review of the logistical matters etc.</p> <p>Self Introduction by all participants</p> <p>Sharing their expectations</p> <p>Question and Answer</p> <p><i>Approach: Participatory to create warm atmosphere, Ice-breaking session through exploring individual extra curriculum</i></p> <p><i>One presentation will be made introducing training programme, contents and approaches</i></p>
<i>Tea-Break</i>		
Morning-2	<b>Basic Climate Change Science: Global Warming, Greenhouse Gases and Consequences</b>	<p><b>Chapter 02 of the Module</b></p> <p>What is weather and climate, what is climate change, what is global warming, source of greenhouse gases, consequences of GHG concentration in the atmosphere (mainly temperature change)</p> <p><i>Approach: One Powerpoint Presentation, questions and answers</i></p> <p>Purpose: Purpose of this session is to introduce basic climate change science and form a base to discuss the issue further as well will also be used to assess knowledge of the participants on basic climate change science.</p>
<i>Lunch</i>		
Afternoon-1	<b>Climate Change Scenarios</b>	<p><b>Chapter 03 of the Module</b></p> <p>This session will introduce the trainees with the different climate change scenarios and their consequences such as</p> <ol style="list-style-type: none"> <li>1. Changes in temperature (changes in land Surface Temperature, changes in Sea Surface Temperature)</li> </ol>

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		<p>2. Variation in Rainfall and</p> <p>3. Ice melting and Sea level Rise</p> <p><i>Approach: One Powerpoint Presentation based on IPCC Assessment Report, One Case Study Presentation from the region or from the host country, questions and answers</i></p>
	<b>Responses to Climate Change – Mitigation and Adaptation and Justice</b>	<p><b>Chapter 04 of the Module</b></p> <p>This session will discuss two key response measures to deal with climate change i.e. mitigation and adaptation. What are the fundamental differences, global injustice regarding carbon emission, equal rights on atmosphere and earth, equal rights to development, compensation regarding carbon emission and the injustice between survival and luxury.</p> <p><i>Approach: One Powerpoint Presentation on Climate Justice, questions and answers</i></p>
<i>Tea Break</i>		
Afternoon-2	<b>Key Terminologies</b>	<p><b>Chapter 05 of the Module</b></p> <p>Key terminologies of climate change: Impacts, vulnerability, adaptation, mitigation, risk, hazards, shock, variability, trend, exposure, sensitivity, adaptive capacity etc.</p> <p><i>Approach: One Powerpoint Presentation, questions and answers</i></p> <p>Purpose: The purpose of this session is to assess knowledge base of the participants on different terminologies of climate change and bring them on a common ground.</p>
<b>Day Two: Understanding the Impacts, Vulnerability and linkage between climate change and disaster</b>		
Morning-1	<b>Impacts of Climate Change</b>	<p><b>Chapter 06 of the Module</b></p> <p>This will cover impacts of climate change on <b>different sectors</b> under different climate change scenarios.</p> <p><i>Approach: One Powerpoint Presentation on sectoral impacts based on IPCC Assessment Report, questions and answers</i></p>
<i>Tea-Break</i>		

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Morning-2	<b>Impacts of Climate Change</b>	<i>Continue.....</i> This will cover impacts of climate change on <b>different regions</b> of the world under different climate change scenarios. <i>Approach: One Powerpoint Presentation based on IPCC Assessment Report, One Case Study Presentation from the region or from the host country, questions and answers</i>
<i>Lunch</i>		
Afternoon-1	<b>Vulnerability to Climate Change</b>	<b>Chapter 07 of the Module</b> Concept of vulnerability, vulnerability to natural, physical and social system, how vulnerability varies within societies etc. <i>Approach: One Powerpoint Presentation based on IPCC Assessment Report, One Case Study Presentation from the region or from the host country, questions and answers</i>
<i>Tea Break</i>		
Afternoon-2	<b>Linkage between Climate Change and Disaster</b>	<b>Chapter 08 of the Module</b> The session titled “Link Between Climate Change and Disaster” is designed to provide <ul style="list-style-type: none"> <li>• Identification of area specific extreme climatic events or disasters; i.e. flood, cyclone, etc.</li> <li>• Analysis of intensity and frequency of those events depending on temporal dimension</li> <li>• Vulnerability of the community to those events</li> </ul> <i>Approach: One Powerpoint Presentation based on IPCC Assessment Report, One Case Study Presentation from the region or from the host country, questions and answers</i>
<b>Day Three: Adaptation to Climate Change, Link between Adaptation &amp; Development, Methods and Tools for Assessment and Group Exercise</b>		
Morning-1	<b>Adaptation to Climate Change</b>	<b>Chapter 09 of the Module</b> Adaptation science, types of adaptation, context specificity of adaptation etc. <i>Approach: One Powerpoint Presentation based on IPCC Assessment Report, One Case Study Presentation from the region or from the host</i>

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		<i>country, questions and answers</i>
<i>Tea-Break</i>		
Morning-2	<b>Link between Adaptation to Climate change and Development</b>	<p><b>Chapter 10 of the Module</b></p> <p>This session will cover link between adaptation and development, where commonalities and differences exist.</p> <p><i>Approach: One Powerpoint Presentation based on different report, questions and answers</i></p>
<i>Lunch</i>		
Afternoon-1	<b>Methods and Tools: Impacts, Vulnerability and Adaptation</b>	<p><b>Chapter 11 of the Module</b></p> <p>This session will cover different top-down and bottom up methods and approaches.</p> <p><i>Approach: One Powerpoint Presentation based on IPCC Assessment Report, One bottom-up methodological Presentation from the region or from the host country, questions and answers</i></p>
<i>Tea Break</i>		
Afternoon-2	<b>Group Exercise</b>	<p><b>Chapter 11 of the Module</b></p> <p>In this session, the trainees will be segregated into groups and they will assess vulnerability of different sectors based on local knowledge.</p> <p><i>Approach: Group formation, deliberation of group works on work sheet, Group presentation, questions and answers</i></p>
<b>Day Four: Field Visit</b>		
<b>Day Five: Introduction to LOCATE and EXERCISE</b>		
Morning-1	<b>Introduction of LOCATE</b>	<p><b>Chapter 12 of the Module</b></p> <p>This session will introduce a top-down and bottom framework to design community based adaptation project. The framework will also cover different tools and approaches for vulnerability and adaptation need assessment.</p> <p><i>Approach: One Powerpoint Presentation on LOCATE, One Presentation on application of this Framework, questions and answers</i></p>
<i>Tea-Break</i>		
Morning-2	<b>Hands-on Exercise</b>	<p><b>Continue.....</b></p> <p>This session will use different exercises for analyzing community level vulnerabilities, and their adaptation needs to deal with adverse impacts of present and future climate. The</p>

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		<p>exercise will allow participants to think their own context (country, region, sector, vulnerable groups)</p> <p><i>Approach: Breakout groups, facilitated by exercise using examples and defined format, questions and answers</i></p>
<i>Lunch</i>		
Afternoon-1	<b>Hands-on Exercise</b>	<p><b>Continue.....</b></p> <p>This session will use different exercises for analyzing community level vulnerabilities, and their adaptation needs to deal with adverse impacts of present and future climate. The exercise will allow participants to think their own context (country, region, sector, vulnerable groups)</p> <p><i>Approach: Breakout groups, facilitated by exercise using examples and defined format, questions and answers</i></p>
<i>Tea-Break</i>		
Afternoon-2	<b>Hands-on Exercise</b>	<p><b>Presentation from the Group</b></p> <p><i>Approach: Presentation from the Breakout groups, questions and answers</i></p>
Afternoon-3	<b>Concluding Session</b>	<p>This session will capture feedback and finally conclude the training session.</p> <p><i>Approach: Participatory, Feedback form will be used for future improvement, concluding by the host</i></p>