

CGE Training materials - Mitigation Assessment

Introduction

Mitigating Climate Change

Consultative Group of Experts (CGE)



United Nations
Climate Change Secretariat





- I. Background
- II. Objective and structure of the overall training
- III. Objectives and scope of individual modules

1

BACKGROUND



United Nations
Climate Change Secretariat





The Consultative Group of Experts (CGE) is a constituted expert body under the Convention and the Paris Agreement.

Objective

“...to provide technical advice and support to developing country Parties for enhancing their institutional and technical capacity to prepare and submit national communications, biennial update reports, national greenhouse gas inventories and biennial transparency reports, as applicable, with a view to facilitating improvements in their reporting over time.”

Activities to fulfil its mandate include:

- Providing technical assistance, advice and support to developing country Parties.
- Providing recommendations on elements to be considered for future revisions of guidelines.
- Continue updating and organizing relevant training programmes.



The CGE developed these materials with the intention that it would

- Support experts and policy-makers in developing country Parties in the collation and preparation of information concerning climate change mitigation for climate change reporting.
- Help countries assess and deal with the challenges to report on mitigation.
- Enhance climate action and access support needed.

This introduction provides an overview of this training materials and highlights the objectives for each modules.

2

OBJECTIVE AND STRUCTURE OF THE OVERALL TRAINING



United Nations
Climate Change Secretariat



The training is developed to assist Parties in fulfilling their reporting requirements under the Convention and the Paris Agreement. To facilitate this, it aims to provide:

- Module A: An overview of the relevant knowledge basis for climate action
- Module B: The latest insights into what can be done to mitigate climate change
- Module C: Detailed information on the reporting framework on mitigation
- Module D: A discussion on how to assess mitigation options, including strengths and weaknesses of different approaches, methods and tools
- Module E: An overview of which information needs to be reported, including options how to report this information

Each module is based on a set of guiding questions, as outlined on the next slide.

Guiding questions for each training module



Why act?

How to act?

Why report?

How to assess?

How to report?



How do we know the Earth's climate is changing?
How does climate change impact life and processes on Earth?
Why is the Earth's climate changing?
What are effects on sustainable development?

What are drivers of emissions?
What are available mitigation options?
Which conditions will support the transition?

What is the general reporting framework?
Why are NDCs important for reporting?
Why report on mitigation?

What are the benefits of mitigation assessment?
What are the steps for mitigation assessment?
What are useful tools and methods?
Which support is available?

What are the guidelines for reporting on mitigation?
What are approaches to presenting the information?
How to report on institutional arrangements?

3

OBJECTIVES AND SCOPE OF INDIVIDUAL MODULES



United Nations
Climate Change Secretariat





The objective of this module is to provide the participants with an introduction to climate change, its link to sustainable development and the need for urgent action. It is based on the latest scientific findings on climate change and its impacts.

Module A1: How do we know the Earth's climate is changing?

The already observed as well as projected changes in our climate system, including effects on averages as well as on extreme events, frequency and intensity of occurrence.

Module A2: How does climate change impact life and processes on Earth?

Selected impacts of the observed and projected changes on Earth processes and their impact on human societies, including on the most vulnerable groups.

Module A3: Why is the Earth's climate changing?

Overview of drivers of climate change and discussion of trends in GHG emissions in total, by gas and by sector.

Module A4: What are effects on sustainable development?

Discussion on the interconnection between mitigation, adaptation and sustainable development, including some examples of synergies and trade-offs.

The objective of this module is to provide the participants with an overview of the mitigation options in key sectors as well as cross-sectoral opportunities for GHG mitigation.

Module B1: General considerations

Overview of enabling conditions that can accelerate or impede rapid progress on mitigation.

Module B2 - 7: Sectoral analysis

By sector: Drivers of emissions, available technical and behavioural mitigation options and their respective mitigation potential.

Sectors include energy, transport, buildings, industry and AFOLU, as well as cross-cutting measures.



The objective of this module is to provide the participants with a good understanding of the reporting framework under the UNFCCC and the reporting requirements on mitigation.

Module C1: What is the general reporting framework?

Overview of the reporting framework under the Convention and under the Paris Agreement, including frequency and interaction of different reporting elements.

Module C2: Why are NDCs important for reporting?

Introduction to nationally determined contributions (NDCs) and discussion of the implication of on reporting.

Module C3: Why report on mitigation?

Overview of key requirements for reporting mitigation, with a focus on reporting mitigation in national communications.



The objective of this module is to provide the participants with a basic understanding of the mitigation assessment process and of available methods and tools, including their strengths and weaknesses.

Module D1: What are the steps for mitigation assessment?

Introduction to key concepts, steps and design considerations for GHG mitigation assessment, including the factoring in of response measures and adaptation components.

Module D2: What are useful tools and methods?

Discussion of different approaches and tools to GHG mitigation assessments, including benefits and drawbacks as well as applicability for different contexts.

Module D3: Which support is available?

Overview of technical and capacity-building support for mitigation assessment.



The objective of this module is to provide the participants with an overview of reporting requirements and alternative options how to present required information.

Module E1: What are the guidelines for reporting mitigation?

Overview of reporting requirements for NCs and BURs/BTRs related to mitigation.

Module E2: What are good options to present information?

Illustrative examples for different elements of mitigation reporting and best practice examples from available reports.

Module E3: How to report on institutional arrangements?

Illustrative examples for the reporting on institutional arrangements and best practice examples from available reports.

**THANK YOU FOR
YOUR ATTENTION.**

<https://unfccc.int/CGE>



United Nations
Climate Change Secretariat