

# Capacity Building training on the GACMO methodology for Uzbekistan

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-- In-person training --

Date: **July 9-11, 2024** | Venue: **TBD, Tashkent, Uzbekistan**

## Background

Calculating current and future greenhouse gas emissions is a prerequisite for countries to inform political decisions concerning climate action. It is also the foundation for transparent and credible climate action at national and global levels. The **GACMO (Greenhouse Gas Abatement Cost Model)** is a greenhouse gas emissions projections tool developed over more than twenty years by the UNEP Copenhagen Climate Centre. It allows countries to carry out rapid but accurate scenario analysis of how a variety of mitigation options impact emissions, thereby increasing transparency and contributing to informed decision making.

The tool can provide valuable input for preparing and updating NDCs by identifying NDC targets for emissions reductions and by providing assessments of future emissions in different climate action scenarios. It can also be used to prepare biennial transparency reports (BTRs) under the Paris Agreement.

The Republic of Uzbekistan approached the CBIT-GSP with the request to deliver a capacity building training on GACMO Methodology, as the national team of NC/BTR uses this instrument for NDC tracking and projections. The CBIT-GSP in close cooperation with Uzhydromet via its national CBIT project and national enabling activities project (FAO and UNEP) will address this request in providing the in-country support.

## Objective

The main objective of the three-days training is to **enhance capacity of the national team of experts to use and apply the GACMO methodology** in their efforts to NDC tracking and GHG emission projections both within their first BTR and updated NDC.

## Target Audience, Duration and Language

The training will gather experts and coordinators of National Communications and Biennial Transparency Reports, senior experts from the national agencies dealing with GHG emissions, projections and mitigation policy.

The training will continue for three days and will be delivered **in Russian**.

## Proposed Agenda

Day 1, July 9 <sup>th</sup> 2024		
09.00-09.15	Welcoming remarks	
09.15-10.00	Introduction to the GACMO methodology: Context and use in relation to NDC development, update and tracking	UNEP-CCC Aiymgul Kerimray
10.00-10.30	Introduction to the GACMO methodology: Review of GACMO spreadsheets  Q&A	UNEP-CCC Aiymgul Kerimray
10:30 – 10:45	<b>Coffee break</b>	
10.45-12.30	Applied exercises on setting up Start Year: Energy Balance, GHG emissions inventory  Presentation of the obtained results by participants	All participants
12:30 – 13:30	<b>Lunch break</b>	
13:30 – 15:00	Applied exercises on setting up BAU scenario: growth rates  Presentation of obtained results by participants	All participants
15:00 – 15:15	<b>Coffee break</b>	
15.15-16.30	Applied exercises on grid emissions factor and energy prices  Presentation of obtained results by participants	All participants
16:30 – 17:00	Q&A session Conclusions for the Day 1	All participants
Day 2, July 10 <sup>th</sup> 2024		
09.00-10.00	Presentation. Setting up mitigation scenario: adding mitigation actions.  Technology sheets (how to adjust a technology option).  Discussion of the data sources for mitigation policies and measures.	UNEP-CCC Aiymgul Kerimray

10.00-10.30	Applied exercises on mitigation options in the power generation sector.	All participants
10.30-10.45	<b>Coffee break</b>	
10.45-11.00	Applied exercises on mitigation options in the power generation sector.	All participants
11.00-12.30	Applied exercises on mitigation options in the household sector	All participants
12:30-13.30	<b>Lunch break</b>	
13.30-14.30	Applied exercises on mitigation options in the transport sector	All participants
14.30-15.00	Applied exercises on mitigation options in the services sector	All participants
15:00 – 15:15	<b>Coffee break</b>	
15.15-15.30	Applied exercises on mitigation options in the services sector	All participants
15.30-16.30	Applied exercises on mitigation options in the waste sector	All participants
16:30 – 17:00	Q&A session Conclusions for the Day 2	All participants
<b>Day 3, July 11<sup>th</sup> 2024</b>		
09.00-10.00	Presentation. Results of GACMO <ul style="list-style-type: none"> <li>• GHG emissions in BAU scenario and mitigation scenario.</li> <li>• Marginal abatement cost/revenue curve.</li> <li>• Tracking progress.</li> </ul> Use of GACMO for BTR, filling in CTF tables for NDC tracking with the results of GACMO.	UNEP-CCC Aiymgul Kerimray
10.00-10.30	Applied exercises on mitigation options in the AFOLU sector	All participants
10.30-10.45	<b>Coffee break</b>	
10.45-11.00	Applied exercises on mitigation options in the AFOLU sector	All participants

11.00-12.30	Applied exercises on adjusting technology sheets	All participants
12:30-13.30	<b>Lunch break</b>	
13.30-14.30	Applied exercises on analysis of results of GACMO: MAR Curve, GHG emissions projections	All participants
14.30-15.00	Next steps to develop GACMO model for Uzbekistan	All participants
15:00 – 15:15	<b>Coffee break</b>	
15.15-16.45	Next steps to develop GACMO model for Uzbekistan	All participants
15.45-16.00	Closing remarks and evaluation	