



Government of Zimbabwe
Ministry of Environment, Climate, Tourism and Hospitality Industry
with support from
Initiative for Climate Action Transparency (ICAT)

**Training local experts on the Greenhouse Gas Abatement
Cost Model (GACMO) including its use for generating
projections and NDCs implementation tracking in
Zimbabwe**

Training Workshop Report



Held at Montclair Hotel, Nyanga

19 to 20 August 2021

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PREPARED UNDER

Initiative for Climate Action Transparency (ICAT) project supported by the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, the Children's Investment Fund Foundation (CIFF), the Italian Ministry of Ecological Transition (IMET) and ClimateWorks.



The ICAT project is managed by the United Nations Office for Project Services (UNOPS)



Background

Transparency forms the cornerstone of the United Nations Framework Convention on Climate Change and the Paris Agreement. Over the years various methodologies and tools have been developed to enable Parties to analyse climate change related data, generate reporting information from it and use the information to craft and implement mitigation strategies. The Greenhouse Gas Abatement Cost Model (GACMO) aims to provide countries, mainly developing countries, with a tool that allows them to carry out rapid but accurate evaluations of the greenhouse gas emissions impact of a variety of mitigation options.

With support from the Initiative for Climate Action Transparency, the Government of Zimbabwe intends to increase the number of experts with in-depth knowledge of GACMO and to explore the possibility of using the tool to track its NDC implementation. The workshop was part of the capacity building process for enhanced transparency under the Paris Agreement.

Meeting objectives

The objectives of the expert training workshop were as follows:

- Increase the local skills base in analysis of the GHG mitigation options for Zimbabwe through the use of the Greenhouse Gas Abatement Cost Model (GACMO).
- Assess the possibility of using GACMO for NDC Implementation Tracking in Zimbabwe.

The outcomes of the workshop include the following:

- a wider base of experts knowledgeable on the use of the GACMO (10 technical participants were trained).
- a report with recommendations on the use of GACMO for NDC implementation tracking in Zimbabwe (the report is attached to this workshop report).

Proceedings of the Workshop

The meeting was officially opened by K. Ndidzano; the Deputy Director for Climate Change Management in the Ministry of Environment, Climate, Tourism and Hospitality Industry. He outlined the purpose of the training exercise and encouraged the participants to provide their expert opinion on the potential use of GACMO as an NDC Implementation Tracking Tool in Zimbabwe. Jingjing Gao representing UNEP DTU provided a background to the ICAT Project

in Zimbabwe and affirmed the ICAT Programme Commitment towards ensuring that countries are ready for the implementation of the enhanced transparency arrangements under the Paris Agreement.

The training workshop was facilitated by two experts from Comprehensive Energy Solutions who have been capacitated in using GACMO over the years. The participants were first introduced to the tool, its development and use in costing mitigation measures as well its capabilities beyond the energy sector. The UNEP DTU GACMO expert JØrgen Villy Fenhann explained matters related to the generation and use of the marginal abatement revenue curve. The expert views of the participants are provided in the attached report. A list of the participants is provided below.

Way Forward

The report produced by the consultants will be presented to the government for its consideration in terms of using GACMO across sectors. It will also determine future capacity building needs that might be required in GhG modelling for informed mitigation strategies and actions.

The list of participants and the workshop programme are part of this report as Annex I and Annex II respectively.

Annex I

ICAT GACMO Training Workshop – List of Participants

	Name & Surname	Sex	Area of expertise
1	Tatenda Gotore	M	AFOLU expert, Forestry Commission
2	Anderson Muchawona	M	AFOLU expert, Forestry Commission
3	Fadzai Muwidzi	F	IPPU expert,
4	Caroline Tagwirei	F	IPPU expert, IDBZ
5	Lewis Makurumure	M	Renewable energy expert, REA
6	Desire Nemashakwe	M	ICAT consultant on NDC tracking
7	Lawrence Mashungu	M	Mitigation Officer, CCMD
8	Tirivanhu Muhwati	M	Compliance Officer, CCMD
9	David Nyamudeza	M	MECTHI Finance
10	Kudzai Ndidzano	M	D/Director CCMD
11	Virginia Taurai	F	CCMD Administrative Officer
12	Tendai Marowa	M	GACMO Training Consultant
13	Walter Svinurai	M	GACMO Training Consultant
14	Unite Nyika	M	Driver/Transport Assistant

Online Participants

	Name & Surname	Sex	Area of expertise
15	Samantha Chingove	F	Waste Sector Expert, BEES Consultancy

Annex II

Programme for the GACMO expert training workshop

19 to 20 August 2021

Time	Activity	Responsibility
DAY 1		
0830-0900	Registration	MECTHI
0900-0910	Introductions	Facilitator
0910-0920	Welcome Remarks	MECTHI- Kudzai
0920-0930	Remarks by ICAT	UNEP DTU- Jingjing Gao
0930-0940	Objectives of the Workshop	Walter
0940-1010	Introduction to the Greenhouse Gas Abatement Cost Model (GACMO): tool for National Reporting, LEDS and NDC updates: baseline & Mitigation Scenarios	Tendayi and Walter
1010-1030	Discussion	All
1030-1100	TEA BREAK	
1100-1130	GACMO sector coverage & components (sheets)	Walter
1130-1200	Guidance of how GACMO works	Tendayi
1200-1230	Country information and Assumptions	Walter
1230-1250	Start Year (Base year) Balance	Tendayi
1250-1330	Discussion	All
1300-1400	LUNCH	
1400-1430	Physical and Energy units	Tendayi
1430-1500	Growth rates and projections	Walter
1500-1530	Establishment of mitigation scenario	Tendayi
1530-1600	Energy sector- Mitigation Projects	Tendayi
1600-1630	Wrap up of Day One	All
DAY 2		
0830-0900	Recap of Day 2 sessions	Tendayi
0900-0930	IPPU sector- Mitigation Projects	Tendayi
0930-1000	AFOLU sector- Mitigation Projects	Walter
1000-1030	TEA BREAK	
1030-1100	Waste sector- Mitigation Projects	Walter
1100-1130	The main results - emissions mitigation graph	Tendayi
1130-1200	Investment costs and implementation costs	Walter
1230-1300	Marginal abatement revenue curve	Tendayi
1300-1400	LUNCH	
1400-1430	Marginal abatement revenue curve	Jørgen Villy Fenhann
1430-1500	Use of GACMO for MRV	Tendayi
1500-1530	Global & Regional- experiences: Ghana, Kenya	Jørgen Villy Fenhann
1530-1545	Discussion	
1545-1600	Comparison with LEAP	All
1600-1615	Wrap up of Day	Walter
1615-1630	Closing Remarks	MECTHI - Kudzai