

# ICAT Eswatini Phase II Inception Workshop Report

**October 2023**



**Date: October 19– 20, 2023**

**Venue: Hilton Garden Inn, Mbabane, Eswatini**

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# ICAT Eswatini Phase II

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Measurement, Reporting, and Verification (MRV) for Adaptation in preparation  
for Biennial Transparency Report (BTR) and Expansion of Biomass-generated  
Renewable Electricity in Eswatini.

Project No. 11875-

003/ICAT/2023/97

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## Inception Workshop Report

### Deliverable B

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## INTRODUCTION & BACKGROUND OVERVIEW

The Government of Eswatini (GoE) through the Ministry of Tourism & Environmental Affairs (MTEA) has received support from the United Nations Office for Project Services (UNOPS) with the Initiative for Climate Action Transparency (ICAT) supporting the implementation and advancement of the Enhanced Transparency Framework (ETF) agreements in the country.

In 2021-2022, a first phase of ICAT's support for Eswatini was implemented, with 5 elements including adaptation in the health and water sectors, and gauging the potential impact of biomass electricity in Eswatini. In the health and water sectors, the main objectives were to conduct an adaptation scoping and gap analysis which was successfully completed. The water sector, reportedly most impacted by climate change, has received the necessary attention in the development of plans for sustainable development and building resilience of the sector (GoE, 2021). In the biomass electricity part, the main objective was modelling to determine the potential mitigation impact of biomass electricity. These two elements of Phase-I were identified for follow-up activities in the current Phase-II ICAT project.

The Eswatini ICAT phase-II project seeks to advance and deliver set priorities from the first phase. It is focusing on building capacities of technicians in the MTEA, line departments and national experts and institutions, as well as other stakeholders, to develop a robust Monitoring, Reporting, and Verification (MRV) framework for the health and water sectors. The work will assist in developing a framework for preparing Eswatini's first BTR.

Furthermore, the project aims to assist with the setting up of a Bioenergy Task Force (BTF) in conjunction with the Department of Energy, Ministry of Natural Resources and Energy in order to develop a Draft Bioenergy Policy which shall provide clear direction to Eswatini's biomass energy sector and create an enabling environment to enhance biomass renewable energy development and investment in this sector. Phase-I of the ICAT project was able to show that Eswatini has significant biomass that can be used to significantly increase biomass electricity generation for the country. It is noteworthy that the biomass can contribute significantly to the country's baseload requirements. The Eswatini ICAT phase-II project will also enhance and strengthen the transparency efforts coordinated by the country through the Capacity Building Initiative Transparency (CBIT) project whilst also assisting to achieve the emission targets set out in Eswatini's NDCs.

The specific objectives of the project are to:

1. Develop an MRV framework (including data collection templates, guidance documents, roles and responsibilities, links to the national MRV online system) for tracking adaptation actions in the health and water sectors which can provide information necessary to compile the Adaptation section of the biennial transparency report;
2. Build capacity within Eswatini to conduct policy impact assessments (particularly Sustainable Development impacts, but also transformational change) and to incorporate inputs from non-state actors into projections and planning;

3. Assist with designing a draft national Bioenergy Policy, through the establishment of a Bioenergy Task Force, which will provide an enabling environment for enhancing the renewable biomass electricity contribution in the country and reduce energy sector emissions;
4. Support the implementation of Eswatini's NDC.

## OBJECTIVES OF THE WORKSHOP

The specific objectives of the workshop were to;

1. Formally launch the ICAT Eswatini Phase-II Project.
2. Raise awareness amongst key stakeholders in Eswatini about the project and foster stakeholder engagement and ownership.
3. Create synergies with other on-going, planned or completed initiatives through relevant projects/programs at national and local levels.
4. Collect inputs and comments from stakeholders to improve the approach and activities proposed for the project.

## WORKSHOP PROGRAMME

The workshop took place over two days, whereby the first day of the workshop was the official launch of the project characterized by high level remarks from key Eswatini Government leaders and partners, including MTEA (Meteorological Dept & Climate Change Unit), Ministry of Economic Planning and Development (MEPD), Ministry of Health (MOH), Global Water Partnership (GWP) and representatives from Centre for Sustainable Energy Research, University of Eswatini (CSER/UNESWA), ICAT and Greenhouse Gas Management Institute (GHGMI). Presentations on thematic project activities and linkages and synergies with other ongoing transparency projects were also presented. Day Two involved interactive discussions and breakout sessions from the thematic groups (Energy, Health, and Water) to solicit inputs on perspectives from stakeholders. The workshop's agenda is attached as Annex 1.

## PARTICIPANTS

The target audience for the workshop were representatives of relevant government ministries, departments and agencies (MDAs), national experts from academia, NGOs, other civil society players, representatives of the private sector across the relevant sectors and representatives of project partners. The workshop was well-attended with close to 50 participants on the first day and about 55 participants on the second day. A detailed workshop attendance register has been

attached as Annex 2.

## OUTCOME OF THE WORKSHOP

- Eswatini ICAT Phase-II Project officially launched.
- Common understanding of the project's goals and objectives, and an agreement on the strategies that should be undertaken to successfully meet these goals and objectives.
- Creation of awareness of the project, project activities and project team.

## WORKSHOP ACTIVITIES

### DAY-1 ACTIVITIES (19 OCTOBER 2023)

#### OPENING SESSION

The workshop was opened at 09:30 am by the Director of the Department of Meteorology, MTEA, Ms Duduzile Nhlengethwa-Masina, who led the proceedings in the first phase of the engagement. After a short prayer, Ms Nhlengethwa-Masina welcomed all the participants present in the room and appreciated the continued support and commitment of the stakeholders who continue to drive and ensure that the climate change agenda in Eswatini is given the much-needed attention as the required climate action efforts continue to be crafted in order to respond to the climate threat. She appreciated the participants representing the different sectors namely water, health and energy. She further iterated that both mitigation and adaptation strategies need to be applied in all sectors to ensure the strengthening of the resilience of the Eswatini society.

She emphasized that as the country is moving towards net-zero greenhouse gas (GHG) emissions, policies that will be climate responsive are needed to ensure that there is sustainability on implemented programs meant to combat the effects of climate change. Further, she mentioned that the establishment of the bioenergy draft policy will be a remarkable milestone which will benefit the country in terms of mitigation strategies and sustainable development at large.

Ms Nhlengethwa-Masina also added that the development of an MRV system in tracking adaptation in the water and health sector will assist the country's needs in meeting the NDC's commitment. She concluded by saying that she was looking forward to a productive workshop and engagements with stakeholders. She then shared apologies from the Principal Secretary of MTEA, who could not attend the workshop due to other pressing commitments from the Ministry.



*Figure 1: Ms Duduzile Nhlengethwa-Masina, making her opening remarks*

In proceeding with the programme, Ms Nhlengethwa-Masina welcomed Mr Oleg Bulanyi who joined the meeting virtually from Bonn, Germany, and gave him the floor to share his opening remarks on behalf of the Director of ICAT, Dr. Henning Wuester. Mr Bulanyi appreciated the opportunity and platform that was provided to him as he shared his brief remarks from ICAT.

He first provided an overview of how the Initiative for Climate Action Transparency (ICAT) was formulated under the Enhanced Transparency Framework (ETF) established under the Paris Agreement in 2015. *“The main purpose of ICAT is to support countries with their transparency efforts under the Paris Agreement with tailored support of practical tools and transparency frameworks”* he explained. He further explained that ICAT has been working with over 60 countries across the globe since 2015 and Eswatini being one of those countries.

The first project supported by ICAT in Eswatini assessed the country’s renewable energy policies and the impacts of climate change on social development issues, and the economy in general, by focusing on health and water sector analysis of adaptation. This included a gap analysis and action plans which also comprised the establishment of institutional arrangements for data collection for the agriculture and the energy sector. Mr Bulanyi alluded to the fact that the first project, supported by ICAT in Eswatini, was largely a success and the commencement of the second project will build on the foundation of the first project by developing an MRV framework for tracking adaptation in the water and health sectors.

He added that transparency remains the foundation for climate action success as it is impossible to manage what cannot be measured. Thus, mitigation and adaptation efforts should be implemented accordingly and in a transparent manner. *“The phase-II project will focus on biomass energy policy development as this sector is the largest source of bioenergy resource in*



*the country hence the success of this component will propel the country towards sustainable energy,” he said.*

In conclusion, on behalf of ICAT, Mr Oleg appreciated the efforts of the country in the completion of the first project and the commencement of the phase-II project alongside the continued support from GHGMI. *“We wish to continue our collaboration with the University of Eswatini and the enhancement of capacity building in the country as it also feeds into knowledge production both at local and global scale”* he explained.



*Figure 2: Mr Oleg Bulanyi-ICAT making his remarks.*

Ms Nhlengethwa-Masina thanked and appreciated Mr Bulanyi for the remarks on behalf of ICAT. She then requested the GHGMI team to also share their remarks and reintroduce themselves to the stakeholders. Dr Luanne Stevens introduced herself and her colleague, Mr Mike Bess from GHGMI and explained that they both form the team that provides technical support to the ICAT project. In her remarks, Dr Stevens appreciated the opportunity of being part of the second phase of the ICAT project in Eswatini in which the GHGMI continues to be the implementing partner.

Dr Stevens explained that her background is in agriculture, land, adaptation and also providing guidance/trainings on inventories and setting up Measurement, Reporting and Verification (MRV) by taking into account the various needs of different countries and that she has been supporting countries for the past 15 years. Mr Mike Bess also introduced himself with a brief background of his experience which includes working with water cooperatives in various countries around the world for sustainable water access. His role with the GHGMI extends in several areas but mainly focuses in MRV and he will be largely focusing on the biomass energy

component with regards to the ICAT project. Mr Bess has extensive experience in renewable energy.

Dr Luanne Stevens then further explained that their role in this project will be on the provision of technical support and guidance similar to Phase-1. Dr Stevens explained that ICAT has developed several guidance tools which will be utilized in assisting the team in building capacity and the implementation of the whole project. In conclusion, Dr Stevens shared her excitement in the commencement of the project which will enhance the country's efforts in both climate mitigation and adaptation. Ms Nhlengethwa-Masina then requested the participants to converge for a group photo following the conclusion of opening remarks.



*Figure 3: Mr Mike Bess-Left & Dr Luanne Stevens (GHGMI)-Right*

### **MID-MORNING SESSION PRESENTATIONS**

This session focused largely on the interlinkages and synergies of climate change impacts on water, health, energy and the private sector.

The first presentation was given by the GHGMI technical support team, Mr Mike Bess and Dr Luanne Stevens. They focused on the “Overview of ICAT Project and Expectations of the Phase II ICAT Project”. The presentation summarized the implementation process and outputs of the first ICAT project completed in 2020-2021 with reference to how the second phase will be seeking to build on the already established foundation. The expected outputs from this project were also outlined. The detailed presentation has been attached in Annex 3: Presentations.

The next presentation was by Mr Emmanuel Ngungoh (Economic Advisor) from the Ministry of Economic Planning and Development (MEPD). The Economic Advisor shared an intrinsic overview of the economic impacts of climate change on a broader spectrum. Mr Ngungoh outlined the major economic disruptions perpetrated by climate change, spanning a twenty year period, from the early 2000s to the current times. In his presentation, he included the major loss

of livelihood as a result of the 2015-2016 drought experienced across Eswatini which caused a major blow on the agriculture sector, as thousands of cattle were lost during the drought, crippling the subsistence farming system practiced by a major proportion of Eswatini. The detailed presentation has been attached on Annex 3: Presentations.



*Figure 4: Mr Emmanuel Ngungoh (Economic Advisor-MEPD)*

In accordance with the workshop programme, the Eswatini Energy Regulatory Authority (ESERA) was given a platform to share a presentation on “Current and Future Role of Biomass Electricity in the energy mix and its role in climate change mitigation”. Mr Sihle Magagula (Engineering Manager) from ESERA shared a comprehensive presentation on the avenues that have been explored by the country in energy generation. This includes renewable energy exploration and the potential for biomass energy generation through the use of byproducts from the sugar and timber plantations. Mr Magagula also outlined a detailed analysis of the renewable energy exploration and coverage in Eswatini with reference to the benefits of the incorporation of renewable energy in the energy base load of Eswatini. The detailed presentation is as Annex 3: Presentations.

The next presentation was shared by Mr Nqobizwe Dlamini, Project Manager from the Climate Change Unit (CCU) in the Meteorological Department, who is currently coordinating a Global Climate Change (GCF)-funded project on the prioritization of water technologies. Mr Dlamini shared a detailed presentation on “Water and climate change adaptation”. In his presentation, he gave an account of the water challenges witnessed throughout the country as a result of the climate change crisis. This includes the existing gaps hindering adaptation. Mr Dlamini made reference to the following gaps; poor water flow monitoring systems and networks, lack of approved water pricing regulations, poor monitoring of ground water, among others. He also gave an outlook and highlighted the ongoing initiatives being implemented in the country which will contribute towards advancing societal adaptation through sustainable water utilization and conservation. The detailed presentation has been attached in Annex 3: Presentations.



*Figure 5: Mr Nqobizwe Dlamini-GWP Project Manager*

The programme director opened the floor for reflections on the presentations that had been made and emphasis was put on the private sector to voice out their concerns regarding climate change impacts on their different businesses. Mr Nhlanhla Nxumalo (Risk Manager) from Peak Timbers, which is now known as Shiselweni Forestry, shared remarks on witnessed climate change impacts in the timber plantations. He described risks associated with extreme weather events which includes forest fires which are becoming more frequent as a result of global warming. He added that the risk is more pronounced during windy days.

Furthermore, he described the risks associated with drought spells including pests and diseases which have an impact on the growth of the trees, hence affecting the overall production. He concluded by mentioning that Shiselweni Forestry and the timber industry at large, are keen on avenues for the exploration of biomass electricity generation. However, the exploration and investment into biomass electricity generation will be largely determined by the economic incentives and profits, thus this remains the deciding factor at the moment which can either lead to full or partial exploration of biomass energy by the private sector.

Mr Bonginkhosi Thwala from the Royal Eswatini Sugar (RES) also shared remarks on the climate change impacts, largely from the sugar perspective. He listed several climate change impacts such as prolonged drought spells which disrupt the growth and biomass content of the sugar cane. Sugar cane farming in the country heavily relies on irrigation. Thus, water tends to have a huge impact on the overall production of sugarcane. Another observed climate impact was strong winds which flattens sugar cane and disturbs its growth. Mr Thwala also added that in the past two years, there has been a drop in irradiation levels, hence leading to a drop in sugar cane production, biomass availability and subsequently a drop in sales.

Mr Thwala emphasized that discussions should be facilitated at the national level to ensure that the issues surrounding biomass electricity generation in the country are resolved so that investments can be directed towards biomass electricity. He mentioned that it is important that all the key players, both those with a potential and those already generating electricity through biomass, are brought to the table for such discussions. In conclusion, Mr Thwala emphasized that the government should strengthen ongoing renewable energy explorations in the country to ensure that the country is able to meet its base load requirement and that key players involved in biomass electricity generation are compensated or incentivized accordingly to ensure sustainability.



*Figure 6: Mr Thwala (RES)-Left, Mr Nxumalo (Shiselweni Forrestry)-Right*

## AFTERNOON SESSION PRESENTATIONS

The aim and focus of the afternoon session was to provide a detailed roadmap of the consultancy work of the UNESWA-CSER team by detailing the activities of the project with reference to the timelines and deliverables. In addition, there was focus on the activities under each component, namely; adaptation in water and health sectors, and lastly, the drafting of a bioenergy policy. Furthermore, the session was intended to provide an overview of the enhanced transparency framework (ETF), and how the ICAT project and other ongoing transparency projects are contributing towards enhanced transparency in Eswatini.

The afternoon session was opened by Ms Minky Groenewald (CBIT Project Manager). Ms Groenewald shared an informative presentation on Measurement, Reporting, Verification (MRV) and the Enhanced Transparency Framework. She described the established MRV arrangements utilized for monitoring the country's efforts in climate action through the NDC and other ongoing national projects such as the National Adaptation Plan. She explained that the transition of the existing MRV arrangements to the ETF will ensure that Eswatini is transparent in its climate actions. Furthermore, the transition to the ETF will improve transparency efforts, which is the primary aim of the ETF. In this regard, the ETF will contribute to the attainment of the country's commitments to the UNFCCC, Paris Agreement and Sustainable Development Goals. She further

outlined the linkages and synergies of the ICAT project to other transparency projects and described how each national project seeks to build and inform other projects. More details are in the attached presentation (Annex 3: Presentations).

The next presentation was delivered by Dr Gcina Mavimbela, who is the Acting Coordinator of the Centre for Sustainable Energy Research at the University of Eswatini and also Acting Project Coordinator of the ICAT Project in the absence of Dr Mduduzi Mathunjwa. Dr Mavimbela shared his presentation and explained the three key activities under the ICAT project and the deliverables under each activity. He further informed the stakeholders of the timeline for completion of this project which is 12 months from September 2023 and ending in August 2024. He further introduced the University of Eswatini (UNESWA) team that is carrying out the work and the leads in the water, health and bioenergy components. His presentation is attached in Annex 3: Presentations.

The following presentation was given by Dr Gcina Vilakati who outlined the planned roadmap for both the water and health sectors. Dr Vilakati gave details of the activities under by both the water and health sectors, in particular, the development of MRV guidance documents for tracking adaptation in the two sectors. The detailed presentation is in Annex 3: Presentations.

The last presentation of the day was delivered by Dr Nosiphiwo Zwane who covered the consultancy work that will be completed under activity 3 of the project. She projected the roadmap and the sub activities to be carried out in the establishment of the bioenergy draft policy including the establishment of a Bioenergy Task Force (BTF). The BTF will guide and coordinate the bioenergy draft policy development. Her presentation is in Annex 3: Presentations.

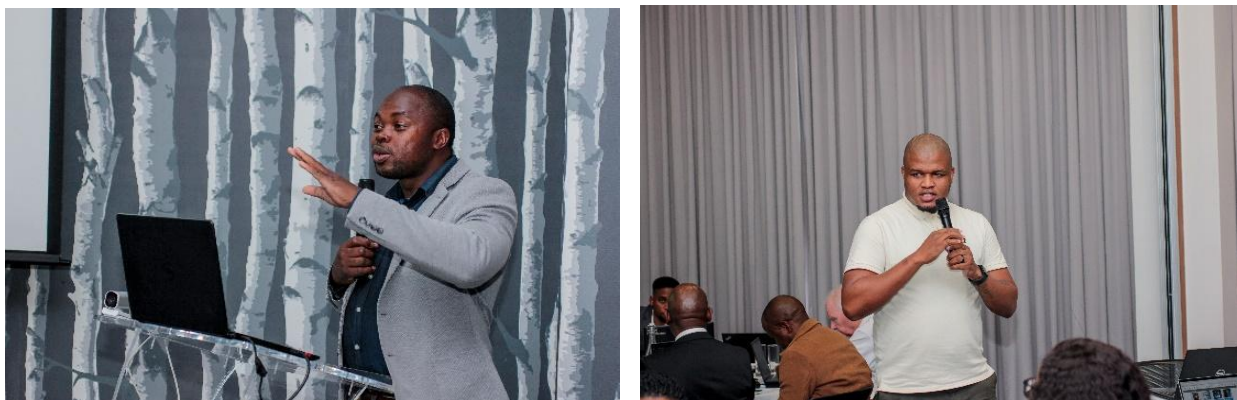


*Figure 7: Dr G. Mavimbela (UNESWA-CSER)-Left, Dr N. Zwane (UNESWA-CSER)-Right*

The Programme Director proposed a closing plenary session which was an interactive session for ensuring that all views, and perceptions of stakeholders are taken into consideration as the project was commencing. Dr Lihle Mafu led the interactive session and the following points are

a summary of the submissions from the stakeholders representing different institutions:

- **The Ministry of Health (MoH)** - the health sector has been observing impacts of climate change in the health sector. A rise in some infectious diseases in certain regions and worsening of human health conditions has been observed. Examples include skin cancers, snake bites and the increasing records of malaria cases in the Highveld region of Eswatini (which is the coldest region). Furthermore, cases of malaria in Eswatini are beginning to be recorded throughout the different seasons of the year while in the past, such cases were mainly recorded during hot and rainy seasons. These observations have led to interest in collaborating with relevant stakeholders to tackle impacts of climate change in the health sector.
- The MoH is also interested in exploring locally and internationally available climate finance mechanisms. The MTEA is also equally willing to assist the MoH in learning and tapping into these finance mechanisms, thus strengthening capacity in other sectors which are affected by climate change.
- **Youth** - Young people should not be left out in such forums or programs as their views, suggestions and contributions are valid and they are the agents of change and future leaders. Climate change action demands a wider stakeholder approach and inclusiveness to ensure participation of marginalized groups.
- **Media** - The media also plays a critical role in raising awareness and in the dissemination of information about climate change. Therefore, it is critical that journalists be capacitated on climate change science for accurate reporting
- **Ministry of Natural Resources and Energy (MNRE)** - the issue of tariffs should be studied extensively as we are propelling the country towards renewable energy. Attractive tariffs will determine the adoption and purchase of renewable energy. Therefore, it is important that we ensure that we guide the government of Eswatini accordingly through the development of the draft bioenergy policy.



*Figure 8: Dr G. Vilakati (UNESWA)-Left Dr L. Mafu (UNESWA)-Right*

## CLOSING

The Director of Meteorology thanked the participants for the productive and fruitful first day of the inception workshop. She reminded participants that the work continues the following day and that their attendance will positively contribute to the smooth commencement of the work implemented by ICAT and partners. The workshop was closed after a short prayer.

## DAY 2- ACTIVITIES (20 OCTOBER 2023)

The second day of the workshop was planned to be half a day and largely focused on technical consultations and stakeholder engagements in the three groups; water, health and bioenergy. The breakout sessions were led by team leads from UNESWA/CSER. The morning session was opened by Dr Mavimbela who further provided guidance for the breakout groups. The breakout groups were set up to go into more depth, including discussions on MRV arrangements for adaptation in the health and water sectors, and also the setting up of the bioenergy task force. The participants in the workshop were informed that a reporting back session would follow the breakout session. Participants of the workshop were requested to join their relevant groups namely; **water, health and bioenergy**.



*Figure 9: sections of the break-out groups*

- Each group assembled around one table and was provided with a projector for presentation purposes.
- All breakout groups had an agenda for the session, including speakers with presentations.
- Each breakout had to select a leader to manage the session.
- Each breakout group had to appoint a rapporteur to take extensive notes from presentations and discussions. The notes are to be used to inform the final edits of the Inception Report.
- Each group presented a summary of the deliberations and discussions that were solicited during the breakout sessions. The notes from each group have been attached in Annex 4: Breakout Sessions.





*Figure 10: Dr Gugu Sibandze (UNESWA)-Left, Dr Thabile Ndlovu (UNESWA)-Right, Making their submissions*

### REMARKS ON BREAKOUT SESSION ACTIVITY-GHGMI

Dr Luanne Stevens, on behalf of GHGMI, thanked the tremendous efforts and contributions demonstrated by the participants during the breakout sessions. She highlighted that the success of this ICAT project largely depended on stakeholder buy-in, participation and engagement. She concluded that the contributions from the stakeholders will be compiled and will assist in informing and guiding the overall execution of the project.

### WAY FORWARD

The Project Facilitator shared a brief presentation on the planned activities subsequent to the inception. He informed the participants about the adaptation training session which falls under Activity 1: Development of an MRV system for adaptation in the Health and Water sector. GHGMI will conduct the training on the ICAT Reporting adaptation through the BTR: An explanation of the guidance. Furthermore, a policy impact assessment training will be conducted. The training falls under Activity 2 and it will entail the following ICAT tools: Sustainable Development Methodology, Transformational Change Methodology, Non-state and Subnational Action Methodology and The Climate Action Aggregation Tool.

### CLOSING REMARKS

The Director of Meteorology, Ms Duduzile Nhlengethwa–Masina appreciated the productive deliberations that were witnessed on both days of the workshop. She thanked the participants who continue to support and provide guidance on the work which is to be implemented by the ICAT project which will strengthen the resilience of the country and the society at large to the impending climate crisis. Ms Nhlengethwa greatly appreciated the GHGMI team for partaking in



the inception workshop and also the UNESWA-CSER who will be implementing and coordinating the work on the ground. She further appreciated ICAT for supporting the current phase-II project and affording the country an opportunity to further enhance transparency in its climate actions. Ms Nhlengethwa-Masina requested the stakeholders to continue supporting the work which is being implemented by UNESWA-CSER as it has been incepted and the journey will require all stakeholder's participation and involvement thus ensuring all deliverables are met with the expected outputs.

## Annex 1- Workshop's Agenda

### INCEPTION WORKSHOP AGENDA

DAY 1		
09:00 -9:15	Checking in and registration	Project Facilitator
09:15– 09:30	Welcome Remarks	Programme Director
09:30 – 09:45	Opening Remarks	MTEA PS
09:45 – 10:15	ICAT Opening Remarks	Mr Oleg Bulanyi
10:15 – 10:30	Introduction of GHGMI Technical Team	Dr L. Stevens/Mr M. Bess
10:30 – 11:00	Tea break-Group Photo	All
11:00 – 11:30	Overview of ICAT Project and Expectations of the phase II ICAT Project	Dr. L. Stevens/Mr Bess (GHGMI)
11:30 – 11:50	Visible Economic Impacts of Climate Change in Eswatini	Mr Emmanuel Ngungu (MEPD)
11:50– 12:10	Current and Future Role of Biomass Electricity in the energy mix and its role in climate change mitigation	(ESERA)
12:10 – 12:25	Overview of the Health Sector	(MoH)
12:25 – 12:40	Water and climate change adaptation	Mr Nqobizwe Dlamini (GWP)
12:30 – 13:00	Private sector	(Private Sector)
	Lunch	All
14:00 – 14:30	The Enhanced Transparency Framework (ETF)	Ms. M. Groenewald (MTEA-CCU)
14:30 – 15:00	Overall project plan and Introduction of UNESWA Team	Dr. G. Mavimbela
14:45 – 15:00	Adaptation in the Health Sector	Dr. T. Ndlovu
15:00 – 15:30	Adaptation in the Water Sector	Dr. G. Vilakati
15:30 – 15:45	Bioenergy Policy Overview	Dr. N. T. Zwane
15:45 – 16:15	Q/A	All
16:20	Closure and Departure	Programme Director
Day 2		
09:00-09:15	Checking In & Registration	Project Facilitator

09:15-09:30	<ul style="list-style-type: none"> <li>Recap from previous day activities</li> <li>Objectives of the break-out sessions</li> </ul>	Dr G. Mavimbela
09:30:-10:30	Breakout Sessions (Water, Health, Bioenergy)	ALL
10:30-11:00	Tea Break-Group Photo	ALL
11:00-11:30	Continuation' of breakout Sessions	ALL
11:30-11:45	Report Back Session <ul style="list-style-type: none"> <li>Water Sector</li> </ul>	Dr G. Vilakati
11:45-12:00	Report Back Session <ul style="list-style-type: none"> <li>Health Sector</li> </ul>	Dr T. Ndlovu
12:00-12:15	Report Back Session <ul style="list-style-type: none"> <li>Bioenergy Sector</li> </ul>	Dr N. T. Zwane
12:15-12:35	Closing Plenary & Remarks on activity team's work	GHGMI,CSER
12:35-12:45	Way Forward	Project Facilitator
12:45-12:50	Closure & Departure	MTEA

## Annex 2: Attendance Register

19 October 2023

No.	Name & Surname	Institution	Gender
1	Sandile Bhembe	MET-CCU	M
2	Nosimilo Simelane-Magwaza	MET-CCU/GWP	F
3	Thembelihle Maseko	MET-CCU	M
4	Lihle Mafu	UNESWA	M
5	Mbongseni Mathobela	MoH-Malaria/Bilharzia	M
6	Lucky Dlamini	MTEA-Forestry	M
7	Makhosazane Shongwe	DWA	F
8	Vumelani Dlamini	MTEA-Forestry	M
9	Nelisiwe Mngomezulu	MoH-EH.O	F
10	Gcina Vilakati	UNESWA-CSER	M
11	Phila Sifundza	MoA-LUPD	M
12	Emmanuel Ngungoh	MEPD	M
13	Samkele Tfwala	UNESWA-GEP	M
14	Lomkhosi Shongwe	MoH-Planning Unit	F
15	Bongiwe Mkhonta	Piggs Peak Town Council	F
16	Sifiso Nzalo	Meteorology	M
17	Minky Groenewald	MTEA-CCU	F

18	Precious Nyamane	MTEA-CCU	F
19	Nokuthula Dlamini-Stewart	Cabinet/PPCU	F
20	Rodney Carval	MTEA-CCU	M
21	Phumele Mkhonta	Climate and Env News	F
22	Gugu Sibandze	UNESWA	F
23	Sihle Magagula	ESERA	M
24	Gcina Mavimbela	UNESWA-CSER	M
25	Mancoba Zwane	Matsapha Municipality	M
26	Bafana Simelane	MTEA- Meteorology	M
27	Simangele Mahlinza	MTEA-Meteorology	F
28	Kuhle Hlophe	MTEA/UNESWA-CSER	M
29	Luanne Stevens	GHGMI	F
30	Mike Bess	GHGMI	M
31	Nhlanhla Nxumalo	Peak Timbers	M
32	Khulekani Sifundza	MNRE	M
33	Sipho Shiba	MoA-LUPD	M
34	Baphelele Dlamini	MTEA	F
35	Nxumalo Sicalo	MNRE	M
36	Saneliso Makhanya	ESERA	M
37	Duduzile Nhlengethwa-Masina	MTEA-Meteorology	F
38	Gcebile Ginindza	MoH-EH.O	F
39	Ndunduzo Msibi	World Vision	M
40	Thabile Ndlovu	UNESWA	F
41	Nosiphiwe Zwane	UNESWA-CSER	F
42	Thembinkosi Ndzimandze	MNRE-Energy	M
43	Rex Brown	Private Sector	M
44	Bongumusa Tfwala	RES	M
45	Tebenguni Simelane	CCYP	F
46	Francois Madolo	CCYP	M
47	Lomagugu Ntshalintshali	UNESWA	F
48	Nqobizwe Dlamini	GWP	M

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No.	Name & Surname	Institution	Gender
1	Kuhle Hlophe	MTEA/UNESWA-CSER	M
2	Precious Nyamane	MTEA-CCU	F
3	Spencer Green-Thompson	DWA/MNRE	M
4	Sipho Shiba	MoA-Land Water	M
5	Takhona Dlamini	JRBA-PB	F
6	Tebenguni Simelane	CCYP	F
7	Nokuthula Dlamini-Stewart	Cabinet/PPCU	F
8	Khetsiwe Ngcobo	KOBWA	F

9	Nqobizwe Dlamini	GWP	M
10	Lucky Dlamini	MTEA-Forestry	M
11	Phila Sifundza	MoA-LUPD	M
12	Lihle Mafu	UNESWA	M
13	Doctor Vilakati	UNESWA	M
14	Bukisile Dlamini	CCYP	F
15	Lindokuhle Dlamini	MET	F
16	Sandile Bhembe	MTEA-CCU	M
17	Saneliso Makhanya	ESERA	M
18	Mancoba Zwane	Matsapha Municipality	M
19	Delight Makaza	CCYP	F
10	Vumelani Dlamini	MTEA-Forestry	M
21	Nxumalo Siculo	MNRE	M
22	Bongumusa Tfwala	RES	M
23	Francois Madolo	CCYP	M
24	Mike Bess	GHGMI	M
25	Nhlanhla Nxumalo	Peak Timbers	M
26	Nosiphiwo Zwane	UNESWA-CSER	F
27	Nokuzola Thwala	Eswatini Observer	F
28	Gcina Mavimbela	UNESWA-CSER	M
29	Bafana Simelane	MTEA-MET	M
30	Phumelele Mkhonta	Climate & Env News	F
31	Rodney Carval	MET-CCU	M
32	Khulekani Sifundza	MNRE-Energy	M
33	Baphelele Dlamini	MTEA-Media	F
34	Rex Brown	Consultant	M
35	Nelisiwe Mngomezulu	MoH-EH.O	F
36	Thabile Ndlovu	UNESWA	F
37	Bongekile Mkhontfo	Piggs Peak Town Council	F
38	Gcebile Ginindza	MoH-EH.O	F
39	Lindiwe Dlamini	MoH-EDCU	F
40	Nqaba Nhlebelo	MoH-HMIS	M
41	Siniketiwe Zwane	MoH-Nutrition Council	F
42	Makhosazane Shongwe	DWA/MNRE	F
43	Ntokozo Dlamini	ESERA	M
44	Ndzimandze thembinkosi	MNRE	M
45	Mduduzi Lokotfwako	MoH	M
46	Nompumelelo Dlamini-Mthunzi	MoH	F
47	Ncamiso Ngcamphalala	MEPD-ACMS	M
48	Musawenkosi Mvubu	MoH-IMNCI	M
49	Mbongseni Mathobela	MoH_Malaria, NTDs	M
50	Lomakhosi Shongwe	MoH-Planning	F



51	Nosimilo Simelane	MTEA-MET/GWP	F
52	Duduzile Nhlengethwa-Masina	MTEA-MET	F
53	Thembelihle Maseko	MTEA-CCU	M
54	Luanne Stevens	GHGMI	F
55	Simangele Mahlinza	MTEA/MET	F

### Annex 3: Presentations

[https://drive.google.com/drive/folders/1sKxTw0BbTbpz-GGQxE0FbimLdBCTB-c2?usp=drive\\_link](https://drive.google.com/drive/folders/1sKxTw0BbTbpz-GGQxE0FbimLdBCTB-c2?usp=drive_link)

### Annex 4: Breakout sessions Notes

<https://drive.google.com/drive/u/2/folders/1wznppix2baSLW8Uvqvezbdqdfq5Ka2zk>