Monitoring & Evaluation (M&E) Plan and Impact Statement Template

Objective of the M&E Plan and Impact Statement:

- The M&E Plan and Impact Statement must be designed based on the Technical Assistance Response Plan and must enable the Implementer to complete the Closure Report at the end of the assistance.

Process for filling in the template:

- The Implementer must identify relevant quantitative and qualitative indicators as specified in the Closure Report. A sub-set of indicators to monitor and assess must be chosen among these.
- The Implementer may also identify other specific, measurable, achievable, relevant, and time-bound indicators suitable to monitor Activities, Outputs and anticipated Outcomes from the technical assistance and add to the M&E Plan and Impact Statement.
- During implementation of the TA or FTA, the Implementer must collect all relevant data as described in the Monitoring & Evaluation Plan. Aggregated data on selected indicators as well as an updated version of the Impact Statement will be presented in the Closure Report at the end of the assistance.

Basic Information	
Title of response plan	Updating of Georgia's technology needs assessment through development of a technology road maps for prioritized technologies
Technical assistance reference number	LTR/2021/825/CTR
Country/ countries	Georgia
NDE focal point and organization	Ms.Maia Tskhvaradze Ministry of Environmental Protection and Agriculture
Sector(s) addressed	Energy, agriculture, waste and industry
Technologies supported	N/A
Implementation period and total duration	26 November 2021 – 26 May 2023
Total budget for implementation	391,878.67 USD
Designer of the response plan	
Implementer of response plan	Sustainable Development Centre Remissia

(A) Outputs and Activities as described in the Response Plan	(B) Indicator	(C) Expected results	(D) Method and frequency for data collection	(F) Comments
Sub-outcome 1.1: TNA Committee in place to enhance coordination mechanism.				
Activity 1.1.1. Establish a National TNA Committee	Number of institutional entities proposed, adopted or implemented as a result of the TA Number of men/women representatives in the committee	1 (TNA Committee) composed by 3 Ministries (from which at least one representative is women)	ToR of the TNA Committee submitted to NDE/NDA	
Sub-outcome 2.1: TNA updated and validated, technology solutions identified and prioritized in accordance with national strategies and plans				
Activity 2.1.1: Develop a TNA work plan	Number of other information materials strengthened, revised or created (For example training and workshop reports, Power Points, exercise docs etc.)	1	TNA work plan	
Activity 2.1.2: Complete a Policy Assessment that informs the Pre-selection of sectors for the fulfilment of Georgia's TNA.	Number of tools and technical documents strengthened, revised, or developed with gender consideration where applicable	1 (report consisting at least of 3 sections: a) assessment report including policy and regulatory gap analysis for 2012-2020. b) assessment of policies 2012-2020; c) methodology to inform sectorial prioritization)	Report submitted to the CTCN and NDE.	
Activity 2.1.3: Validate Stakeholder engagement and Pre-select sectors	Total number of events organized by proponents and implementing partners;	4	4 workshop reports and other workshop materials submitted to CTCN.	

to inform Georgia's TNA	Number of participants in events organized by proponents and implementing partners (gender disaggregated); Number of communication materials, including news releases, newsletters, articles, presentations, social media postings, etc.	At least 15 for each meeting. 4	List of participants incl. men/women; Communication materials published	
Activity 2.1.4: Validate, Priorities and assess the feasibility of key technologies for the fulfilment of Georgia's TNA	Number of tools and technical documents strengthened, revised, or developed with gender consideration where applicable Number of scientific paper published in research journal	3 1	1. TNA report (both mitigation and adaptation) submitted to CTCN and NDE; 2. TIMES-Georgia updated model , with results for technology selection 3. CGE model for analysing impacts; The journal publication	
Sub-outcome 2.2: Technology Action Plan(s) identified and prioritized that align with the results management framework of the GCF and that advance national priorities				
Activity 2.2.1: Develop Sectoral TAPs	**Anticipated** number of policies, strategies, plans, laws, agreements, or regulations proposed, adopted, or implemented as a result of the TA with gender consideration where applicable; Total number of events organized by proponents and implementing partners	2 9	At least two TAPs in compliance with TNA 1 for adaptation and 1 for mitigation. 1 Stakeholder workshop report and other workshop materials; 8 minutes of virtual	

			meetings	
	Number of participants in events organized by proponents and implementing partners (gender disaggregated);	at least 15 for stakeholder workshop at least 5 for each virtual meeting	List of participants incl. men/women	
	Number of communication materials, including news releases, newsletters, articles, presentations, social media postings, etc.	1	Communication materials for stakeholder workshop	
	Anticipated metric tons of CO2 equivalent (CO2e) emissions reduced or avoided as a result of CTCN TA	Sectoral baselines for 2030: In energy sector: • Transport – 7516 Gg CO_2e • Buildings – 3970 Gg CO_2e • Electricity generation – 2618 Gg CO_2e • Industry – 2197 Gg CO_2e • Agriculture - 62 Gg CO_2e	The calculations will be presented in the TAPs and closure report.	The Baseline estimations are based on the WOM scenario from the draft NECP.
	Anticipated increased economic, health, well-being, infrastructure and built environment, and ecosystems resilience to climate change impacts as a result of technical assistance.	Non-energy: • Agriculture – 4,438 Gg CO_2e • waste sector – 1,850 Gg CO_2e • Industrial processes – 3,930 Gg CO_2e	The impacts will be identified through cost-benefit analysis of priority technologies included in the TAPs.	
Sub-outcome 3.1: New business models identified to aid financial mobilization and increase low-emission investment				
Activity 3.1.1: Develop a Financial mobilization strategy for the climate mitigation	Total number of policies, strategies, plans, laws, agreements, or regulations	5	Description of 4 business models and 1 financial mobilization strategy submitted to CTCN	

and adaptation sectors through business model skills transfer.	supported by the assistance with gender consideration where applicable; Number of trainings organized by proponents and implementing partners; Number of participants in events organized by proponents and implementing partners (gender disaggregated); Number of communication materials, including news releases, newsletters, articles, presentations, social media postings, etc.	 1 (Two-day training workshop) at least 15 for each meeting 1	 Report of the 2-day Training Workshop and other workshop materials List of participants incl. men/women Communication materials	
Sub-outcome 4.1: GCF concept notes developed for prioritized sectors				
Activity 4.1.1: Develop GCF Concept notes based on the project ideas identified in the TAP	Total number of deliverables (concept notes for GCF) supported by the assistance with gender consideration where applicable Anticipated amount of funding/investment leveraged (USD) as a result of TA (disaggregated by public, private, national, and	4 Around 800 mln USD (200mln per concept note) Around 20% of GCF grant and remaining co-financing.	Four drafts of GCF Concept notes The exact amount will be included in the concept note	 Based on average value of existing GCF project for Georgia

	international sources, as well as between anticipated/confirmed funding)			
Sub-outcome 5.1: Partnerships are formed that enhance collaboration across stakeholders and beneficiaries				
Activity 5.1.1: Deliver a National Consultation exercise to ensure national ownership, technology deployment and validation.	**Anticipated** number of collaborations facilitated or enabled as a result of technical assistance	1	Enhanced partnership report;	
	Number of trainings organized by proponents and implementing partners	4	workshop reports and other workshop materials	
	Number of participants in events organized by proponents and implementing partners (gender disaggregated);	At least 15 for each meeting.	List of participants incl. men/women	
	Number of communication materials, including news releases, newsletters, articles, presentations, social media postings, etc.	4	Communication materials	
Activity 5.2.1: Implement a Technology Action Plan via Capacity Building Supports	Number of tools and technical documents strengthened, revised, or developed;	6	3 capacity building modules. 3 market use cases and policy briefs submitted to CTCN	
	Number of trainings organized by proponents and implementing partners	3	workshop reports and other workshop materials	

	Number of participants in events organized by proponents and implementing partners (gender disaggregated); Number of communication materials, including news releases, newsletters, articles, presentations, social media postings, etc.	At least 15 for each meeting. 3	List of participants incl. men/women Communication materials	

Note: The information in the table below will be used by the CTCN for public communication of the achieved and expected results of the Technical Assistance through the CTCN website www.ctc-n.org and other communication channels. See for example: https://www.ctc-n.org/sites/www.ctc-n.org/files/benin_a_ag_forestry.final_.pdf

Impact Statement	
Challenge	Georgia is a developing country, aspiring to join the European Union and together with global community, meet the ambitious targets of Paris Agreement. Georgia, with a population of 3.7 million and a 310km long coastline, is at risk from climatic impacts including sea level rise, flooding, erosion, mudflows and landslides. On its way to more resilient and low carbon economy, the transition to a more novel, more efficient and resilient technologies is inevitable, and the access to international knowledge, research and developments is highly valued in this regard. The analysis of integrated national energy and climate action plan shows that increased ambition levels will be related to the new technologies that are not yet available or widely-spread in Georgia. Understanding the gaps and barriers and ensuring financial credibility of these solutions is another important aspect to more resilient and low carbon future. More importantly though, building of local, indigenous capacity to assess, use and further develop these technologies is another important challenge that the country has to overcome.
CTCN assistance	• Provide technical assistance to the Government of Georgia to update its Technology Needs Assessment (TNA) and develop a technology roadmap for prioritized technologies to address climate change challenges in the most critical sectors of the economy. • Develop Strategies for transforming and attracting private sector investment for low emissions and resilience • Develop quality funding proposals to be submitted to GCF from

	Direct Access Entities • Foster development and dissemination of knowledge, methods, frameworks, and information systems for enhanced climate planning.
Anticipated impact	• Key strategic documents developed, which include TNA, 2 TAPs, financial strategy and 4 concept notes for GCF • Knowledge and awareness increased on important technologies needed to meet Paris Agreement targets • The capacity of DEAs increased for developing the financial proposals increased.
Anticipated co-benefits from the TA	The outcomes of the project are expected to have significant strong positive impact on energy security of the country. Other co-benefits include the improvement in living conditions of population, improved air quality, fostering economic development and job creation.
Gender aspects of the TA	Gender considerations will be included as a criterion for selection of the sectors and technologies. Certain, preliminary elaborated gender indicators will be taken in consideration during assessment and progress monitoring (in M&E plan). The capacity building trainings will include gender awareness component and tools to enhance the capacities of participants to better mainstream gender considerations in implementation of climate solutions. Thus, through described actions the project will ensure to have a gender-inclusive design with following gender benefits: gender is mainstreamed in key project documents (updated TNA, TAP, concept notes), participants of the trainings and workshops will get a solid understanding on the gender equality and social inclusion that helps them to develop actions with strong gender considerations.
Anticipated contribution to NDC	The technical assistance will contribute to NDC by supporting: • To meet its conditional target of 50-57% of its total greenhouse gas emissions by 2030 compared to 1990. • To study its adaptive capacity of different economic sectors to the negative effects of climate change, as well as to plan and implement the respective adaptation measures
The narrative story	Georgia's National Designated Entity requested assistance through the CTCN to update its technology needs assessment and develop technology roadmap for prioritized technologies to address climate change challenges in the most critical sectors of economy. The CTCN assistance aims to identify the key technologies that are crucial in meeting Georgia's ambition to build a more resilient and low carbon economy and support removing barriers for their wider deployment. It will also support developing quality funding proposals to be submitted to GCF from Direct Access Entities. The CTCN assistance supports the mitigation targets and adaptation directions identified in Georgia's Nationally Determined Contribution (NDC) as well as the priorities defined in Georgia's Country Programme for GCF.
Contribution to SDGs	The technical assistance will contribute to: SDG 13 – Climate action: The project will support Georgia's conditional

	targets expressed in its NDC. As NDC states, if the world will follow 2^{O}C average global temperature increase scenario, reduction of emissions by 50% will be necessary, while in case of limiting increase to 1.5^{O}C, it will be necessary to reduce emissions by 57% compared to 1990 level; SDG 17 – affordable and clean energy: The project will improve the access to energy and reduce energy poverty. It will also increase country's energy security and reduce reliance on neighboring countries. SDG 2- zero hunger: the assistance will support introduction of sustainable agricultural practices and access to a more novel knowledge and technologies to rationally use resource and increase adaptive capacity for better agricultural production. SDG 9- Industry, innovation and infrastructure: the project will support innovation and also building more resilient infrastructure. SDG11 – Sustainable cities and communities: project supports the creation of low carbon and more resilient human settlements.