Country	**Tanzania**
Request ID#	**2025000010**
Title	Support for Establishment of Tanzania Climate Innovation Centre (TCIC) within the Tanzania Commission for Science and Technology (COSTECH)
NDE	*Please add name, position, organization, email and address* Dr. Gerald Majella Kafuku, Manager of Innovation and Technology Tanzania Commission for Science and Technology (COSTECH) P.O. Box 4302, Dar-Es-Salaam, United Republic of Tanzania Emails: gerald.kafuku@costech.or.tz, and kafukugm@gmail.com
Proponent	*Please add name, position, organization, email and address* Tanzania Commission for Science and Technology (COSTECH) P.O. Box 4302, Dar-Es-Salaam, United Republic of Tanzania Email : dg@costech.or.tz Contact Person : Ms. Patience Abraham Karua Hub Manager Email: patience.karua@costech.or.tz pattyabraham39@gmail.com

Summary of the CTCN technical assistance

The summary should provide a brief description of the problem (barrier to climate technology deployment) and how the technical assistance will address it (summary of outputs and activities). Please also briefly indicate the national actors involved and the anticipated timeline. Please note this summary will be used for public communication purposes so it is important that it is well written. (maximum 1250 characters including spaces)

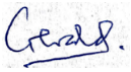
Tanzania's economy remains highly vulnerable to climate shocks, particularly in agriculture, which employs over 65% of the population. Despite abundant renewable energy potential, only 1.53% of irrigable land utilizes solar-powered systems, and rural electrification lags at 35%. Meanwhile, climate-focused startups face systemic barriers: limited access to financing, lack of integrated regulatory sandbox for climate start-ups; fragmented mentorship networks, and inadequate infrastructure to prototype technologies like drought-resistant crop varieties. The proposed TCIC aims to address these challenges by creating a centralized hub for innovation, blending technical expertise, funding mechanisms, and policy advocacy to accelerate climate technology deployment.

Agreement:

(If possible, please use electronic signatures in Microsoft Word file format)

National Designated Entity to the UNFCCC Technology Mechanism
Name: Dr. Gerald Kafuku
Title: Manager of Innovation and Technology

Date: September 03rd 2025

Signature: 

Proponent (signature of the Proponent is optional)

Name:
Title:

Date:

Signature:

Designated Authority-Adaptation Fund
Name: Prof. Peter L.M. Msofe
Title: Deputy Permanent Secretary - Environment
Vice President's Office, Union and Environment
Date: 20th September 2025

Signature: 

UNFCCC Climate Technology Centre and Network (CTCN)
Name: Ariesta Ningrum
Title: Director

Date: 22 September 2025

Signature: 

1. Background and context

Please provide a brief description of the background and context for the CTCN Response Plan. Please include national and sectoral information using recognized and publicly available sources. (maximum 2500 characters including spaces).

Climate change presents a significant threat to Tanzania's socio-economic stability and environmental sustainability. Despite the urgent need for innovative solutions to mitigate and adapt to the impacts of climate change, many Tanzanian entrepreneurs and small to medium-sized enterprises (SMEs) face numerous challenges in developing and scaling their innovative ideas. These challenges include limited access to financial resources, inadequate capacity building, and a lack of incubation support tailored to climate-related ventures. Additionally, the transfer and deployment of climate technologies that are locally relevant and context-specific remain sluggish.

The impacts of climate change are also evident in irregular trends in rainfall patterns, long periods of droughts, decrease in fresh water sources such as rivers, short periods of above normal and destructive rainfall, and a surge in incidences of climate related human and livestock diseases. Access to energy, particularly for production under small and medium enterprises (SMEs) is one of the key interventions that are envisaged to transform productivity in rural areas. With over 65% of the rural population having no access to electricity, the use of alternative energy sources such as solar photovoltaic (PV) systems becomes critical. For instance, only 1.53% (or 450,392 ha.) of the 29.4 million hectares irrigable land is currently under irrigation and therefore solar powered water pumping would increase all year around irrigation in Tanzania (Tanzania Vulnerability Report of 2018). Thus, promoting the adoption and scale up of environmentally sound technologies (ESTs) and practices is vital to improve production efficiency, boost productivity, enhance climate resilience and increase sustainability in the productive sectors.

Addressing these issues necessitates the creation of a comprehensive, nationally mandated centre that provides holistic and country-driven support for the entire lifecycle of climate innovation projects. Such a centre would offer a range of services including technology incubation, capacity building, linkages and access to climate stakeholders' network, knowledge materials, financing options specifically designed for new, small, and medium business ventures as well as Tanzanian entrepreneurs focusing on climate change solutions and sustainable development. For this reason, this proposal seeks support to establish a Climate Innovation Centre hosted at COSTECH.

The proposed Tanzania Climate Innovation Center (TCIC) aims to sustainably bridge the existing gaps by:

- Providing technical expertise and mentorship in various areas of technological and business development, to promote innovations that enhance mitigation, adaptation and resilience against climate change.
- Mobilizing financial resources for assisting in technology demonstration and investment opportunities to foster the growth and scalability of climate-focused SMEs.
- Offering tailored incubation programs to nurture innovative ideas from conceptualization to market readiness.
- Facilitating capacity-building initiatives to equip entrepreneurs with the necessary skills, knowledge, and resources.
- Accelerating the development, deployment, and transfer of locally relevant climate technologies.

- Ensuring that support is country-driven, considering Tanzania's unique socio-economic and environmental contexts.

- Promote awareness and facilitate collaborations to scale and monetize innovations among Tanzania's research and development ecosystem (academic, research, science and technology agencies, and industry).

- Strengthening investors and innovators relation to ensure sustainability of the innovator's solutions.

- Introducing an integrated regulatory sandbox to support acceleration of climate innovators and start-ups to contribute to strengthening the innovation system of Tanzania

The centre will empower Tanzanian entrepreneurs to lead the way in developing innovative, sustainable solutions to combat climate change and promote socio-economic development. It will ensure that the Tanzania Innovation System is further strengthened to support widespread adoption of climate technologies.

2. Problem statement

Founded on the national and sectoral context as detailed in the section above, please include a brief problem statement clarifying the main problems and barriers for climate change mitigation and/or adaptation in terms of climate technologies that the CTCN Response Plan will address and overcome. (maximum 1250 characters including spaces).

Tanzania, as many African countries, recognizes the potential and opportunities that come with embracing climate friendly technologies in economic development. One of the areas that the country sees as its potential is the adaptation and domestication of environmentally sound technologies in productive sectors through research, development and demonstration. However, there have been technological barriers making inadequate dissemination and adoption of these technologies such as:

- there are no specific incubation facilities that aim to support climate-related start-ups and/or ideas
- inadequate tooling and analytical facilities for product and technology development especially in the R&D institutions
- lower practices and interests to translate R&D outputs into proven products and services
- inadequate financial resources to pilot climate friendly innovations into profitable enterprises
- little awareness and skills to prepare fundable proposals in the climate domain, and insufficient capacity to formulate projects that can harness funds from global climate funding instruments such as the GCF, GEF, AF, MAF, etc.
- little or non-alignment of climate solutions generated in Tanzania, with the government's budget to enhance sustainability
- low awareness of best sustainability models in various climate projects.
- lack of integrated regulatory sandbox for unlocking trade barriers for climate start-ups
- Awareness of the climate-based solutions/innovations that are existing in Tanzania

3. Logical Framework for the CTCN Technical Assistance:

(Guidance: Please note that multiple activities lead to one Output, and multiple Outputs lead to one Outcome. There can be several Outputs, but only one Outcome description capturing the CTCN technical assistance. Deliverables are the products or services to be delivered to the NDE/Proponent/CTCN based on the Activities and the Outputs.)

Objective: *Please provide a one sentence description of the Objective of technical assistance. The objective of the CTCN technical assistance reflects what the assistance aims to produce and impact.* The overall objective of the technical assistance is to establish the Tanzania Climate Innovation Centre (TCIC) at COSTECH.
Outcome: *(Guidance: The Outcome articulates changes in the institutional and behavioral capacities for climate technology development or deployment. Activities and Outputs contribute to the Outcome, but the Outcome is not within the direct control of the CTCN activities). (maximum 400 characters including spaces)* -Rolling out Tanzania Climate innovation centre - Fully developed digital organizational platform for the Centre - Staff with capacity built on how to run the climate innovation centre - All required documents to run the organization including (Annual operating plan, resource mobilization and sustainability plan,)

	Month														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mandatory Output: Project management *All implementers must undertake the following project management activities at the beginning of, during and at the end of the CTCN technical assistance.*															
Activity A: Beginning of implementation A detailed work plan of all activities, deliveries, outputs, deadlines and responsible people/organizations and detailed budget to implement the Response Plan. The detailed work plan and budget must be based directly on this Response Plan. Based on the work plan, a monitoring and evaluation (M&E) plan with specific, measurable, achievable, relevant, and time-bound indicators used to monitor and evaluate the timeliness and appropriateness of the implementation. The monitoring and evaluation plan should apply selected indicators from the Closure and Data Collection report template and enable the lead implementer to complete the CTCN Closure and Data collection report at the end of the assignment (please refer to item iv below and section														

14 in the Response Plan). This M&E plan also includes a CTCN Impact Description formulated in the beginning of the technical assistance which will be revised in the Closure and Data Collection report once the technical assistance is fully delivered (templates will be provided). Other additional monitoring and evaluation indicators or templates may be required depending on the donor that is funding the technical assistance. Furthermore, a gender evaluation and gender action plan (GAP) will be prepared and followed throughout technical assistance (a template will be provided).[1]															
Activity B: Implementation A project steering committee will be formed, consisting of the implementing team (international and local consultants), the NDE, the project proponent(s), beneficiary(ies), and CTCN. The objective of this steering committee is for the implementing partner to report on progress, and to guide the implementation of the project at a high level. It is recommended that this steering committee is conducted virtually, with meetings held monthly.															
Activity C: End of implementation A Closure and Data Collection report completed at the end of the technical assistance (a template will be provided). Potential project-end communication and dissemination activities (such as knowledge sharing webinar, dialogue with financial institutions, press release) may be conducted in collaboration with the CTCN Secretariat, subject to appropriateness.															

[1] Additional information is available under Section 10 of the response plan.

Mandatory deliverables: Deliverable A: Detailed work plan; M&E plan; gender assessment and gender action plan. Deliverable B: Project Steering Committee meeting reports. Deliverable C: Closure and Data Collection report; press release, webinar, dialogue with financial institutions.	X X					X						X X			
Output 1: Stakeholder Mapping and Establishing a Project Steering Committee *(Guidance: Outputs are new products and/or services that are produced by the implementers of the technical assistance, through completion of activities, and within the control of the CTCN technical assistance).* The Implementing Partner (IP) will conduct a stakeholder mapping and establish a stakeholder working group/project steering committee who will be engaged throughout the TA implementation phase.															
Activity 1.1: Identification of Stakeholders and Nomination of Project Steering Committee The IP will identify relevant stakeholders among governmental institutions at the national and sub-national levels, in the climate innovation space including in sectors like agriculture, forestry, water, renewable energy technology, private sector, civil society, academic institutions, beneficiaries, SMEs, tourism, and financial institutions among others. This will ensure all relevant stakeholders are involved in the design and development of TCIC. The project steering committee members will be proposed by the mapped stakeholders and will be limited to 8 representatives maintaining a gender balance and adequate representation from the youth and vulnerable groups. They will be expected to participate in all consultative workshops to provide views, expectations and contributions on modalities of setting up and running a CIC that will be beneficial to Tanzania. As stated in Activity B, the PSC will provide a technical overview and high-level guidance at every stage of the implementation of the technical assistance. A clear term of reference will be developed to support the operations of the PSC. This document will define the role (including the obligation to review the deliverables as well as any required															

obligations from each PSC member throughout the project implementation phase.), the document will also define the name, and institution of each member. The PSC will meet in person a minimum of 3 times throughout the implementation period.																
Activity 1.2: Conduct an Inception Meeting with the Project Steering Committee An inception meeting will be organized, in person, in the presence of at least one international expert and all the PSC members, to present the goals, milestones, anticipated deliverables, and the role of the project steering committee. All other members of the implementation consortium will join the meeting virtually. Local consultants will attend the meeting in person. CTCN will also join this inception virtually. Outcomes of the inception meeting will be fed into the implementation plan elaborated under Activity A of the Mandatory output. The ToR developed in Activity 1.1 will be presented and reviewed by the PSC. A DSA of 85 USD will be provided for each PSC member.															
Deliverable 1: * *(Guidance: The deliverable is the product and/or service submitted to the CTCN for benefit of the relevant national stakeholders, capturing all activities undertaken towards this Output. Please mark the month in which this deliverable will be submitted with a mark in the appropriate box.) One Output can include several deliverables, if required.* 1.1 Stakeholders mapping report 1.2 Inception meeting report 1.3 PSC terms of references	X	X	X													
Output 2: Conduct a Comprehensive Needs Analysis and Benchmark International Best Practices																
Activity 2.1: Prioritization of Sectors for Climate Innovation The implementing partner will facilitate the stakeholders to list and prioritize sectors for climate innovation based on Tanzania's TNA and other national climate related documents. This will include sectors such as agriculture, energy, mobility, wildlife and forest conservation from climate related impacts among others. The list of priority sectors will be proposed in consultation with the stakeholders and decisions on prioritized sectors will be made by the project steering committee.																
Activity 2.2: Conduct a Needs Assessment for Target/prioritized sector Innovators in Tanzania.																

This activity will undertake a needs assessment from various climate innovators and targeted audience for TCIC to ensure that the established centre will be responding to current needs. The activity will also identify gaps and barriers that would need to be addressed to make the TCIC effective in the Tanzanian context. The Analysis will also involve studying the Tanzania network of innovation centres with similar infrastructure that can support or can be linked to the climate centre as well as supportive policy and regulatory landscape to identify existing gaps.																
Activity 2.3: Benchmark International Practices for Climate Innovation Centres. The IP will identify a minimum of 5 CICs (in the global north and south) and map the best practices on climate technology centres as reference on establishing the same in Tanzania. This will include but not limited to how similar centres are established, operationalized and sustained with evidence of feasible programs that can be emulated. This goes along with studying the Tanzania network of innovation centres and similar infrastructure that can support or can be linked to the climate centre as well as supportive policy and regulatory landscape.																
Activity 2.4: A study tour to one identified CIC for benchmark This activity will involve a visit by 5 members of the PSC to an established Climate Innovation Centre. The nominated 5 will be part of the pioneer team running TCIC. Important elements of the visit will include a clear understanding of how CICs are run, resource mobilization strategy, onboarding procedures for various early-stage climate innovators etc.																
Deliverables 2: 2.1 A list of 5-7 top priority sectors for climate innovation, including a clear justification of why each sector was selected and prioritized 2.2 Needs assessment for the target innovators, existing gaps and barriers in Tanzania, 2.3 Comprehensive report detailing: Best practices of climate innovation centres 2.4: Detailed reports on findings from the study tour, including recommendations and strategy for adoption of the studied methodologies on successfully running a climate innovation centre.					X X X X											
Output 3: Functional Layout of the Climate Innovation Centre within COSTECH																

Activity 3.1: Consultative Meeting with COSTECH's Senior Management The implementing partner will convene a consultative a physical meeting with the Senior Management of COSTECH, whose objectives will be as follows: 1) provide the management with a detailed overview of deliverables under Outputs One and Two; 2) seek the management's feedback on the outputs of the two deliverables; 3) provide an overview to management of the draft criteria to propose functions and desirable skill sets, based on the information compiled from Output One and Two; and 4) discuss hosting arrangements for the TCIC, to understand the modalities under which the TCIC would operate (under COSTECH). The implementing partner would use this information to formulate a draft roadmap and action plan for establishing the TCIC.														
Activity 3.2: Defining Functions and Skills required for the TCIC The implementing partner (with input from COSTECH and all stakeholders) will prepare a report defining the functions and skills required in the various units of the TCIC which will be formed based on the identified sectors in Activity 2.1. With the functions and required skills defined, the IP in consultation with COSTECH and the PSC will recommend the TCIC leadership who will be tasked with the responsibility of implementing the action plan to be developed in output 4. The leadership of TCIC will be expected to continue with their other roles within COSTECH. While undertaking this exercise, the implementing partner will consider the current outlay of COSTECH, efficiency of the proposed TCIC, sustainability, and eliminate any unnecessarily long administrative chains that would render the TCIC ineffective.														
Activity 3.3: Infrastructure Gap Analysis In consultation with COSTECH, the implementing partner will conduct a gap analysis to understand the needed infrastructure and layout, in collaboration with COSTECH. The infrastructure gap analysis will cover (but not limited to) the science, technology and innovation, administrative and legal gaps. At national level, the analysis could also highlight strengths from existing infrastructure that the CIC could benefit from by catalyzing collaborations and avoiding duplication. This analysis therefore should also include the pre-existing 30 hubs under Buni and their focus areas, and any other relevant														

national institutions that are promoting climate innovations. This effort will identify any synergies that could exist within and outside the TCIC.															
Deliverable 3: 3.1. A report on the consultative meeting with COSTECH management. 3.2. A report describing the required functions and skills for successfully running each unit. 3.3. Gap analysis report identifying the required infrastructure and layout of TCIC.							X X X								
Output 4: Action Plan to Establish Proposed TCIC The implementing partner will develop a roadmap that clearly defines the subsequent steps for establishing effective TCIC. The road map will include the following documents: ● Draft Strategic Plan (the PSC may advise the ideal period for the initial SP), ● Draft Annual Work Plan, ● Draft Sustainability and Resource Mobilization Plan etc. ● The implementing partner, in consultation with COSTECH, may provide draft templates of relevant operational documents (e.g. support requisition forms, templates).															
Activity 4.1: Draft Strategic Plan The implementing partner will draft a Strategic Plan document using input from Outputs 1, 2 and 3. The ideal time frame (3-5 years) for the initial plan may be discussed and determined in consultation with the PSC, considering future timelines for revisions once the plan is operational. Beyond the vision and mission of the TCIC, the plan will also outline other key items such as core areas of focus, broad activities, governance and management, communications, monitoring and evaluation, user engagement and financing. It will clearly define how TCIC can engage Tanzanian innovators and define how the CIC can define and operationalize its operating procedures, including the selection criteria for innovators and projects to work with. Under the Strategic Plan, the implementing partner would lay out the roadmap for the development of the relevant infrastructure and tools (e.g. knowledge management tools such as a website, a portal for hosting success stories etc.). The implementation partner would also provide estimated costs for acquisition and development of such tools.															

For sustainability, the IP will propose a long-term governance structure of TCIC that continues to foster demand driven innovation. The implementation partner in consultation with experts and the PSC will identify the minimum staffing needs, consistent with availability of resources and functions identified in 3.2. To address staff development, the consultant will create placeholders for individual capacity building needs. The draft Strategic Plan may be reviewed and updated as necessary.															
Activity 4.2: Draft Annual Work Plan The First Draft Annual Work Plan could prioritize key activities (hosting, staffing, streamlining annual workplans) required to operationalize the core functions of the TCIC. The work plan will include a clear financing plan/ business model that will ensure the sustainability of TCIC. The workplan will also spell out quarterly events such as capacity building cycles, reporting procedures, key meetings, kick-off of activities (Startup Incubation & Pilot Projects, Scaling & Market Integration), communication, monitoring and evaluation, and sustainability and amplification processes. The host institution (COSTECH) will also propose activities that will be relevant for annual work plans depending on the needs of climate innovators. The annual activity plans will also consider how the TCIC will create demand for its products and services, by factoring in a user engagement component. The IP will thus work with COSTECH to define modalities of user engagement and how the TCIC will create awareness and engage its 'customers'. This will help climate innovators to know about the existence of the TCIC, its activities and services. The engagement plan would include, among other items, clear steps for request handling procedures. In addition, it is proposed that TCIC will engage directly with innovators to ensure sustainability of ideas throughout the development, incubation and acceleration phases.															
Activity 4.3: Draft Sustainability and Resource Mobilization Plan The IP will propose feasible resource mobilization strategies for TCIC internally and externally to fund the activities of TCIC. Include clear examples of financial instruments that TCIC can tap into.															
Deliverable 4: 4.1 Draft Strategic Plan 4.2 Draft Annual Work Plan									X X						

4.3 Draft Sustainability and Resource Mobilization Plan										X					
Output 5 Developing an Integrated Regulatory Sandbox The objective of this output is to develop an integrated regulatory sandbox to support acceleration of climate innovators and start-ups to contribute to strengthening the innovation system of Tanzania.															
Activity 5.1: Comprehensive Analysis on Innovation Regulatory Sandboxes to Establish Global and Regional Best Practices This activity entails mapping of best practices on national innovation sandboxes to act as reference on establish the same in Tanzania. It will include the way similar sandboxes are established, operationalized and sustained with evidence of feasible programs that can be domesticated. This goes along with studying the Tanzanian regulatory environment and overall support situation that is required to support climate start-ups.															
Activity 5.2: Identify and propose regulatory flexibility and incentives This activity is central to embedding a **regulatory sandbox function** within the Tanzania Climate Innovation Centre (TCIC). Its purpose is to ensure that climate start-ups and innovators are not only incubated and supported with technical services, but also able to navigate and where possible benefit from an enabling regulatory environment. The **Implementing Partner** will undertake the following steps: I. **Regulatory Landscape Review** The IP will begin by mapping all relevant regulatory bodies and frameworks that affect climate innovation in Tanzania including taxation, licensing, intellectual property rights, standards, environmental approvals, and energy sector regulations. This process will require a desk review of policies, laws, and procedures, complemented by structured interviews with regulators (e.g., TRA, BRELA, COSOTA, sectoral ministries). II. **Barrier and Bottleneck Identification** The IP will identify specific rules, procedures, or institutional practices that currently delay or discourage start-ups. For instance, prolonged licensing timelines for renewable energy projects, complex tax compliance procedures for small enterprises, or high costs of IP registration. These barriers will be systematically documented in a gap analysis report.															

III. **Proposal of Sandbox Flexibilities** Based on the analysis, the IP will recommend **temporary and controlled regulatory relaxations** to be tested within the sandbox environment. Examples may include: • Fast-tracked business registration and licensing for sandbox-approved innovators. • Temporary waivers or reduced fees for start-ups piloting climate technologies. • Simplified approval processes for small-scale renewable energy pilots. • Conditional exemptions from certain reporting requirements during the pilot phase. These flexibilities will be designed to lower entry barriers while ensuring that safety, quality, and environmental standards are not compromised. IV. **Design of Incentive Packages** Beyond easing regulatory hurdles, the IP will propose **positive incentives** to attract and retain innovators in the sandbox. These could include: • Tax incentives (e.g., VAT exemptions on imported prototype equipment). • Preferential access to government procurement programs for sandbox graduates. • Recognition schemes (certifications, innovation awards) that increase visibility and investor confidence. • Access to subsidized infrastructure or shared facilities hosted at COSTECH. Each incentive will be matched with the corresponding authority responsible for its approval and implementation.																
Activity 5.3: Stakeholder Consultation and Validation The proposed flexibility and incentives will be presented in bilateral meetings with regulatory agencies and validated in this stakeholder workshop.																

The NDE and the project steering committee will collaborate with the IP to list all the regulatory agencies who will be invited to this validation workshop. The List of participants will be a maximum of 25 including the PSC members but excluding the IP team. The objective is to build ownership among regulators, align with national priorities, and ensure that recommendations are practical and politically feasible.															
Activity 5.4: Formalization through White Papers and Policy Briefs The final activity for output 5 will be a set of **regulatory white papers** and **policy briefs** targeted at each relevant agency (PSC will discuss and decide the mandatory regulatory agencies for which white papers and policy briefs will be prepared). These will outline: • The identified barriers. • The recommended flexibilities and incentives. • The process for implementing them within the sandbox framework. • The monitoring mechanisms to ensure compliance and safeguard public interest.															
Deliverable 5 5.1 Comprehensive report of the Analysis on Innovation Regulatory Sandboxes to Establish Global and Regional Best Practices 5.2 Full report of proposed regulatory flexibility and incentives 5.3 Stakeholder Consultation and Validation report 5.4 Regulatory white papers and policy briefs for each relevant agency.												X X X	X		
Output 6 Establishing TCIC digital platform with regulatory sandbox services modules integrated															
Activity 6.1: Establishing TCIC digital platform The platform will host TCIC programs, keep records, allow system administration as well as sandbox services module (application, evaluation, tracking, reporting). Climate innovators will interact with the platform for various programs based on needs identified previously. For example, the platform should be able to receive, evaluate and award start-ups with sandbox services as well as keep track of their progress up to graduation stage. All infrastructure costs should not exceed 20% of the total budget of the TA.															

The matrix below is non-exhaustive and can be modified in consultation with the PSC and expert developers working on the platform.

Module	Key Features	Primary Users	Benefits
Program Hosting & Management	- Online application system for CIC programs- Program calendar & notifications- Tracking of startups through incubation/acceleration- Virtual training module (courses, webinars)	Innovators, CIC Staff	- Easy program access for innovators- Transparent selection & tracking- Efficient program management
Records & Data Management	- Centralized repository (applications, contracts, reports)- M&E dashboard with climate/gender KPIs- Automated reporting (PDF/Excel exports)- Document version control	CIC Staff, Donors, Partners	- Better data-driven decisions- Streamlined reporting to donors- Reduced paperwork & duplication
Innovator Interaction Tools	- Personalized user dashboards- Mentorship matching (innovators ↔ experts)- Community forums & peer networking- Helpdesk/ticketing system	Innovators, Mentors, CIC Staff	- Improved networking & collaboration- Faster problem-solving- Increased mentor/peer support
System Administration	- Multi-level access control (staff, admin, innovator, partner)- Analytics & activity logs- Backup & recovery system- Role-based notifications & alerts	CIC IT/Admin Team	- Secure, role-based access- Reliable data backups- Operational transparency

Cloud Infrastructure & Security	- Cloud hosting (AWS/Azure/Local provider) - Scalable storage & bandwidth - Data encryption & compliance (GDPR/local laws) - Disaster recovery & uptime guarantees	CIC Staff, All Users	- Reliable system availability - Secure and compliant data handling - Scalable as CIC grows															
Deliverable 6: A fully functional digital platform +1-year support															X			
Output 7 Capacity Development of TCIC team and a final Stakeholders Workshop and Centre Inauguration																		
Activity 7.1: Conduct a 3-day Capacity Building workshop for Identified Staff of the Centre: This entails capacitating designated staff for the centre to start operations while establishing future staff needs and recruitment plans laid out in the strategic plan. Training will focus on how to sustainably serve the community of climate technologists and innovators and create value to attract more partners and projects. The 3 days may be split as follows depending on the agreement by the project steering committee. **Day 1 – Foundations & Strategic Orientation** **Focus:** Understanding the purpose, vision, and operational model of the TCIC. • **Welcome & Introductions**: Roles, expectations, workshop objectives. • **Context setting**: Climate challenges and opportunities in the region. • **Vision & Mission of the TCIC**: Mandate, governance, priority thematic areas (e.g. renewable energy, water-food nexus, resilient infrastructure). • **Business model & services**: Incubation, advisory, financing facilitation, knowledge sharing. • **Case studies**: Global & regional examples of innovation centres introduced earlier during the benchmark study in output 2.																	

- **Interactive session**: Mapping stakeholders and beneficiaries (startups, SMEs, government, financiers, academia).

Day 2 – Tools, Systems & Capacity Development

Focus: Equipping the team with practical skills and systems to run the centre.

- **Innovation management**: Pipeline development including project and proposal formulation, screening ideas, incubation/acceleration methods.
- **Entrepreneur support services**: Mentoring, business advisory, networking platforms.
- **Technology transfer & commercialization**: How to scout, adapt, and deploy climate solutions.
- **Financial readiness & access to finance**: Building investment cases, working with donors/VCs/impact funds.
- **Monitoring & evaluation (M&E)**: Metrics for innovation success, gender/climate impact tracking.
- **Interactive session**: Simulation exercise (incubating a startup – from pitch to support plan).

Day 3 – Partnerships, Sustainability & Way Forward

Focus: Building long-term resilience, partnerships, and action plans.

- **Partnerships & networks**: Engaging private sector, academia, investors, policy makers.
- **Policy & enabling environment**: Aligning with national climate and innovation strategies.
- **Resource mobilization & fundraising**: Strategies for financial sustainability of the CIC.
- **Communication & outreach**: Branding, community engagement, knowledge platforms.
- **Action planning**: Each team member/department defines their role, priorities, and next steps.

• **Wrap-up**: Commitments, evaluation of workshop, roadmap for the next 6–12 months															
Activity 7.2: Stakeholders Workshop and Centre Inauguration This final workshop will be an opportunity for stakeholders to review the design and strategic plans laid out for the centre. This function will also serve as the inauguration ceremony for official opening of the centre. A key national figure will be invited to this event.															
Deliverable: 7.1 Capacity building workshop report for the 3 days 7.2 Final Workshop report															X X

4. Resources required and itemized budget:

Please provide an indicative overview of the resources required and itemized budget required to implement the CTCN technical assistance, including M&E-related activities, using the table below. Important to note that minimum 5% of the budget should explicitly target gender-Mainstreaming activities related to the technical assistance (please see section 10 for further information on gender). A maximum of 20% of the budget can be allocated to procurement (e.g. infrastructure purchase, technology piloting), Once the Response Plan is completed, a Response Implementation partner(s) will be selected by the Climate Technology Centre (CTC). A detailed activity-based budget for the CTCN assistance will be finalized by the CTCN and selected Implementer.

Activities and Outputs	**Input: Human Resources** *(Title, role, estimated number of days)*	**Input: Travel**[2] *(Purpose, national vs. international, number of days)*	**Inputs: Meetings/events**[3] *(Meeting title, number of participants, number of days)*	**Input: Equipment/Material** *(Item, purpose, buy/rent, quantity)*	**Estimated cost** *Please accumulate the costing (USD) at Activity and Output level and provide an estimated costing range for each activity and the total Response Plan*	
					Minimum	**Maximum**
Mandatory Output: **Project Management documents: *Work plan*** ***Monitoring and evaluation plan*** ***Impact description document (initial and final version)*** ***Gender Assessment and Action plan is developed*** ***Closure and Data Collection Report and Knowledge sharing webinar on the results of the TA, hosted by the CTCN***	*(IE1 5 Working days NE1 5 Working days NE3(Gender Expert) 2 Working days)*	*NA*	*NA*	*NA*	*$9,600.00*	*$10,560.00*

[2] All budget values related to Daily Subsistence Allowance or logistical support for local participants shall remain as indicated.
[3] All budget values related to the organization of meetings and events shall remain as indicated.

Output 1: Output 1: Stakeholder Mapping and Establishing a Project Steering Committee					*$8,680.00*	*$9,548.00*
Activity 1.1: Identification of Stakeholders and Nomination of Project Steering Committee	*(IE 1 5 Working days NE2 2 Working days NE3 5 Working days)*					
Activity 1.2: Conduct an Inception Meeting with the Project Steering Committee		*International Travel - IE1 International DSA - IE1 National DSA -NE1, NE2, NE3* 8 PSC members (DSA)	*(IE1 1 working day NE1 1 working day NE2 1 working day NE3) 1 working day)*	Workshop materials and conference room (Refreshments inclusive)		
Output 2 Output 2: Conduct a Comprehensive Needs Analysis and Benchmark International Best Practices					*$23,400.00*	*$25,740.00*
Activity 2.1: Prioritization of	*IE1 -2 W/Day IE2 -2 W/Day*					

Sectors for Climate Innovation	*NE1 -2 W/Day* *NE2 -2 W/Day*					
Activity 2.2: Conduct a Needs Assessment for Target/prioritized sector Innovators in Tanzania.	*IE1 -5 W/Day* *IE2- 5 W/Day* *IE3 -5 W/Day* *NE3 -5 W/Day*					
Activity 2.3: Benchmark International Practices for Climate Innovation Centres.	*IE1 -3 W/Day* *IE2 -5 W/Day* *IE3 -3 W/Day* *NE3 -3 W/Day*					
Activity 2.4: A study tour to one identified CIC for benchmark	*Flights +Accommodation for 5* *Flights +Accommodation for 1 consultant* *Terminal expenses for all including airport transfers plus food*					
Output 3: Functional Layout of the Climate Innovation Centre within COSTECH					*$15,480.00*	*$17,028.00*
Activity 3.1: In person Consultative Meeting with COSTECH's Senior Management	*IE1* *NE3*	*International Travel - IE1* *International DSA - IE1* *National DSA -NE1, NE2, NE3* *8 PSC members (DSA)*				

		Workshop materials and conference room (Refreshments inclusive)				
Activity 3.2: Defining Functions and Skills required for the TCIC	*IE1 3 Working days* *IE2 3 Working days* *IE3 3 Working days* *IE4 3 Working days*					
Activity 3.3: Infrastructure Gap Analysis	*IE1 5 Working days* *IE2 3 Working days* *IE4 3 Working days* *NE2 3 Working days*					
Output 4: Action Plan to Establish Proposed TCIC					*$12,400.00*	*$13,640.00*

Activity 4.1: Draft Strategic Plan	*IE1 5 Working days* *IE2 6 //* *IE3 6 //* *NE1 5 //*					
Activity 4.2: Draft Annual Work Plan	*IE1 5 Working days* *NE1 5 //* *NE3 5 //*					
Activity 4.3: Draft Sustainability and Resource Mobilization Plan	*IE1 3 Working days* *IE5 3 //* *NE3 3 //*					
Output 5: Developing an Integrated Regulatory Sandbox					*$10,325.00*	*$11,357.50*

Activity 5.1: Comprehensive Analysis on Innovation Regulatory Sandboxes to Establish Global and Regional Best Practices	*IE1 3 Working days* *IE6 3 Working days*					
Activity 5.2: Identify and propose regulatory flexibility and incentives	*IE6 Working days* *IE1 Working days* *IE6 Working days*					
Activity 5.3: Stakeholder Consultation and Validation	*NE3 1 Working day (s)*	*International Travel - IE1* *International DSA - IE1* *National DSA -NE1, NE2, NE3* *8 PSC members (DSA) +Invited Regulators*	*Workshop materials and conference room (Refreshments inclusive)*			
Activity 5.4: Formalization through	*IE1 3 working days* *NE1 3 working days*					

White Papers and Policy Briefs	*NE3 3 working days*					
Output 6 Establishing TCIC digital platform					$40,000.00	$44,000.00
Activity 6.1: Establishing TCIC digital platform	*A maximum of 20% of the budget can be allocated to procurement (e.g. infrastructure purchase, technology piloting*					
Output 7: Capacity Development of TCIC team and final Stakeholders Workshop and Centre Inauguration					*$15,320.00*	*$16,852.00*
*Activity 7.1: Conduct a **3-day** Capacity Building workshop for Identified Staff of the Centre*	*IE1* *NE1* *NE2* *NE3*	*International Travel - IE1* *International DSA - IE1* *National DSA -NE1, NE2, NE3* *8 PSC members (DSA)*				

		Workshop materials and conference room (Refreshments inclusive)				
Activity 7.2: Stakeholders Workshop and Centre Inauguration	*IE1* *NE3*	*International Travel - IE1* *International DSA - IE1* *National DSA -NE1, NE2, NE3* *8 PSC members (DSA)* *Workshop materials and conference room (Refreshments inclusive)*		*Workshop materials and conference room (Refreshments inclusive)*		
Estimated range of costing for the entire Response Plan					***$135,205.00***	***$148,725.50***

5. Profile and experience of experts

Based on the required Human Resources identified in section 4 (Resources required and itemized budget) please provide a description of the required profile of all experts involved for the implementation of the CTCN Response Plan.

Experts required	Brief description of required profile
Please use the same titles for all experts as applied in section 4.	*Please provide a short description of expertise and experience needed (education, sectors of expertise, years of experience, country experience, language requirements, etc.).*
Climate Innovation and Incubation Expert (Lead Technical Advisor) (IE1)	• 10+ years in climate innovation ecosystems or technology incubation • Experience in setting up or running Climate Innovation Centres • Understanding of both global best practices and African contexts

	• Proven strategic planning and leadership experience **Education:** Master's or PhD in Environmental Sciences, Climate Policy, Innovation Management, or related field
Climate Technology Specialist (IE2)	• 8+ years in renewable energy, sustainable agriculture, water, or climate resilience technologies • Experience with SMEs/startups in product development • Familiarity with technology transfer processes **Education:** Master's in Renewable Energy, Engineering, Agricultural Technology, or Environmental Science
SME Development and Entrepreneurship Expert (IE3)	**Role:** Develop business models, support incubation & acceleration design, mentor startups **Skills & Experience:** • 7+ years in business development, startup incubation, or SME growth strategies • Experience working with early-stage businesses, preferably in climate tech • Knowledge of financing models and investment readiness **Education:** MBA or master's in business development, Entrepreneurship, or related field
ICT and Innovation Infrastructure Expert (IE4)	• 5+ years in innovation facility planning, digital infrastructure, or ICT for development • Experience with hubs, labs, or incubators Education: Bachelor's/master's in information systems, ICT4D, Engineering, or related Location: Regional or local expert preferred
Sustainability and Resource Mobilization Advisor (IE5)	• 7+ years in resource mobilization, donor engagement, and business models for innovation hubs • Experience in climate finance and international development funding (GCF, GEF, etc.) Education: Master's in finance, Economics, Public Administration, or related field
Regulatory and Legal Expert (IE6)	**Role:** Map and analyze existing regulations, identify legal gaps, and draft regulatory flexibility and white papers for agencies. **Skills & Experience** • Master's in law (LL.M.) with specialization in regulatory law, intellectual property, or commercial law. • At least 7–10 years' experience working with government ministries or regulatory agencies (TRA, BRELA, COSOTA, or equivalents). • • Experience drafting legal reforms, regulatory frameworks, or sandbox guidelines. • • Familiarity with Tanzanian regulatory landscape is essential.
National Experts	

Monitoring, Evaluation, and Learning (MEL) Specialist (NE1)	• 5+ years in M&E for international development or innovation programmes • Experience designing logic models, KPIs, and data systems Education: Master's in M&E, Development Studies, Statistics, or related field
Gender Expert (NE2)	• 7+ years in gender equity work, especially in innovation or climate sectors • Experience with gender-responsive budgeting and inclusive programme design Education: Master's in Gender Studies, Sociology, Development, or related field
Stakeholder Engagement and Governance Expert (NE3)	• 5–10 years in multi-stakeholder engagement, policy, or innovation systems • Familiarity with Tanzanian institutions, public-private collaboration Education: Master's in public policy, Development, Political Science, or related

6. Intended contribution to impact over time

Please provide a brief description of the intended contribution to impact overtime of the outcome and outputs provided by this technical assistance on resilience to climate change and/or carbon abatement. To the extent possible, please quantify the intended impact contribution, for example by indicated estimated number of people potentially impacted over time, GDP contribution of the focus sector, carbon emissions by the focus sector, etc. This intended contribution to impact is what will happen if the objective (as articulated in section 3) is met. Please ensure relevant complementarity with text in sections 7 to 12. (maximum 1250 characters including spaces)

- In accomplishing the above actions and objectives, the project anticipates to observe the following outcomes: To help strengthening the climate ecosystem in Tanzania
- Developing linkages mechanism(platform) between industries and innovators
- Strengthening collaborations between climate hubs and universities for commercialization and spin offs within universities in Tanzania
- Attracting regional partnerships and experts on implementing the climate programs under the space
- strengthened ability to provide technical support and business advisory in products development process
- Enhanced cooperation of climate initiatives across the country by enhanced formal collaborations between various focal points in designing and implementing climate actions
- Increased number of start-ups and spin-off companies in climate technologies
- Enhanced technology transfer and acquisition in intervening to climate challenges
- Increased COSTECH's capacity in incubation and acceleration services by adding a special portfolio on climate technologies
- Enhanced contribution of sustainability in renewable energy interventions such as solar, wind, and biomass which mostly touch small business initiatives (start-ups)

7. Relevance to NDCs and other national priorities

Please identify relevance and contribution from the technical assistance to the Nationally Intended Contributions (NDC) and other relevant national prioritized efforts (TNAs, TAPs, NAPs, NAMAs, etc.). (maximum 2500 characters including spaces)

Tanzania has committed to embark on a climate resilient development pathway. In doing so, it will reduce the impacts of climate change variability and associated extremes such as droughts and floods, which have long-term implications to all productive sectors and ecosystems, particularly the agricultural sector. The adaptation measures are expected to significantly reduce the risks of climate related disasters compared to the current situation (NDC 2021, page 7, section 4.1).

Also, Tanzania has committed to reduce greenhouse gas emissions economy-wide between 30 - 35% relative to the Business-As-Usual (BAU) scenario by 2030, whereby about 138 - 153 Million tons of Carbon dioxide equivalent (MtCO2e)-gross emissions is expected to be reduced, depending on the baseline efficiency improvements, consistent with its sustainable development agenda ((NDC 2021, page 13, section 4.2).

8. Linkages to relevant parallel on-going activities:

Please identify relevant previous and ongoing public and private sector initiatives, projects or programmes that the CTCN assistance will specifically build on and contribute to. To the extent possible, please add practical and operational details on the linkages between existing activities and the CTCN assistance. (maximum 2500 characters including spaces)

In the efforts to strengthen the Tanzania innovation system and ecosystem, various initiatives have been accomplished though there has never been an initiative directly related to establishment of a dedicated climate innovation centre. One of the notable efforts is the development of the National Innovation System Framework under COSTECH's coordination. The innovation system framework aims at integrating the roles of all science and technology stakeholders to foster the use of science and technology in productive sectors. Another initiative is the establishment of the National Carbon Monitoring Centre (NCMC) at the Sokoine University of Agriculture which serves the coordination of carbon market activities and carbon monitoring. These efforts, along with establishment of Buni innovation hub, which is now a mother hub coordinating more than 30 innovation centres in Tanzania, make a supportive innovation ecosystem that can be explored to support climate technologies and businesses through the envisaged climate innovation centre (TCIC).

Further, COSTECH in collaboration with Norwegian Agency for Development Cooperation (NORAD) and the Swedish International Development Cooperation Agency (Sida) have established a dedicated program within the National Fund for the Advancement of Science and Technology (NFAST) to support climate research in Tanzania. The climate research program is focused on providing grants to interdisciplinary and multidisciplinary research teams with ambitions of addressing the impacts of climate change in a sustainable manner through developing innovative hypotheses, experimentation of such hypotheses in the real world at district or region scale and upscaling the evidence-based adaptation solutions to other regions away from areas of experimentation.

The overall objective of the COSTECH climate research program is to ensure that contextually relevant knowledge on climate change adaptation and mitigation is used by governmental and non-governmental stakeholders at various levels across Tanzanian society. The call received over 100 applications from multi-disciplinary teams, however only 41 of them were funded in this round. These are groundbreaking initiatives and interventions proposed that have enormous potential for creating technologies and climate related solutions.

This is then the optimum time for COSTECH to create synergy and support these solutions through incubation and capacity building from research to commercialization

9. Anticipated follow up activities after this technical assistance is completed:

Please describe the expected future use of the outputs and deliveries produced by this technical assistance, after the CTCN implementation is completed, towards contributing to the anticipated impacts over time articulated in section 6. For example, what organizations or stakeholders will use the outputs of the technical assistance after it is completed, for what purpose, at what scale and scope the outputs and deliveries will be applied, when and what will be the next steps undertaken, etc. Please also describe the role of the NDE and project proponent(s) in post-implementation monitoring and reporting. (maximum 2500 characters including spaces)

COSTECH is charged with mandates to support innovations and technology development and transfer across all sectors. However, there has been a special focus on climate technologies, thus

the outcome of this technical assistance will be embedded to COSTECH's mandates, and a portfolio of supporting climate related innovations will be officially added. This entails, through Buni hub, having the designed activities in the strategic plan of TCIC to be included in the COSTECH annual plans and budgets as well as continuing mobilizing resources for the centre by leveraging on the already existed partnerships that COSTECH has both domestically and internationally.

10. Gender and co-benefits:

Each technical assistance must integrate gender mainstreaming activities and lead to gender and other co-benefits. At least 5% of the technical assistance budget needs to be allocated to gender mainstreaming activities.

Gender benefits embedded in the implementation and because of activities:	*A gender mainstreaming analysis is mandatory to include for all technical assistances. A gender expert will be assigned to carry out an assessment and evaluation regarding gender mainstreaming and will develop the gender assessment action plan (GAAP) (a template will be provided). The GAAP will be followed throughout the implementation of the TA.* *The GAAP will include but not limited to the following components:* ● *Analysis of gender disparities (assess the situation of gender disparities in the context of the project, including socio-economic, cultural and institutional factors. Identify areas where inequalities exist, etc.).* ● *A monitoring tool to ensure 5 percent of the TA budget is allocated and used on gender mainstreaming activities.* ● *Data collection (collect and analyze gender-disaggregated data to understand the specific needs and preferences of different genders).* ● *Adaptive and gender-responsive design (evaluate the project design to ensure that it considers the different roles, responsibilities and interests of all genders. Analyze how the project can empower women and all other marginalized gender groups while promoting gender equality).* ● *Gender and innovation ecosystem (evaluate how the proposed technologies could promote women as entrepreneurs).* ● *Gender budgeting (budget allocation to guide gender mainstreaming activities. Also ensure that gender-specific needs are adequately funded).* *In addition, please describe all support to gender aspects and women's equality embedded into the Response Plan (please include a reference to the actual gender mainstreaming-related activities and outputs as described in section 3).* Throughout the implementation of this TA, gender and youth aspects will be highly integrated as they form part of key stakeholders of the climate and innovation ecosystem in Tanzania. During the comprehensive analysis and best practices review, more insights will be gathered into experiences from other places on adequately integrating gender issues. The centre is anticipated to leverage on the existing Buni hub staff who are all females and Buni Divaz program (Buni Women Program) to attract more youth girls to work with the centre and participate in the programs. COSTECH already has a dedicated program to support young female innovators by giving them capacity building, coaching and mentorship as well as technical and financial assistance to pursue their innovation projects. This type of programs and many more in Tanzania will form a

	good basis to promote climate technologies and innovation from youth and gender aspects.
Other co-benefits embedded in the implementation and intended as result of the activities:	*Please describe any other co-benefits embedded in the implementation and because of the CTCN technical assistance (please include a reference to the actual activities and outputs as described in section 3).*

11. Main in-country stakeholders in implementation of the technical assistance activities:

Using the table below, please list and describe the role of in-country stakeholders, participants and beneficiaries who will be involved in or directly consulted during implementation of the assistance.

In country stakeholder	**Role in implementation of the technical assistance**
National Designated Entity	Project coordination
Tanzania Commission for Science and Technology	Project proponent and host of the centre
Innovation spaces	Stakeholders to shape the operation of the centre during design and operation stages Providers of climate innovators
Universities and R&D institutions	Project key stakeholders and providers of climate innovations and technologies
Vice President's Office - Division of Environment	- National Designated Authority Oversee of Nationally Determined Contributions
Ministry of Finance	- Budget Support - Tax and non-tax incentives for climate business support
All relevant regulatory bodies	- Consultation on the regulatory sandbox
Ministry of Education, Science and Technology	Budget allocation and political support
All other Ministries: - Ministry of Energy - Ministry of Industry and Trade - Ministry of Transport - Ministry of Livestock and Fishery - Ministry of Works - Ministry of Tourism and Natural Resources and all	- Policy making, shaping and overseeing. - Decision making - Political support Climate goals setting and direction
NGOs, industry and private sector	- Climate Technology providers - Stakeholders' consultations Climate technologies advocacy

12. SDG Contributions:

*Instructions: Please complete the grey section below for **a maximum of three SDGs** that will be advanced through this TA. A complete list of SDGs and their targets is available here: https://sustainabledevelopment.un.org/partnership/register/.*

Goal	Sustainable Development Goal	Direct contribution from CTCN TA (1 sentence for top 1-3 SDGs)
1	End poverty in all its forms everywhere	Improved income among SMEs will reduce poverty
2	End hunger, achieve food security and improved nutrition, and promote sustainable agriculture	Agricultural SMEs will support improved food production
3	Ensure healthy lives and promote well-being for all ages	
4	Ensure inclusive and equitable quality education and promote life-long learning opportunities for all	TA will ensure both genders are involved and sensitized throughout the incubation and acceleration process
5	Achieve gender equality and empower all women and girls	TA will ensure both genders are involved and sensitized throughout the incubation and acceleration process
6	Ensure availability and sustainable management of water and sanitation for all	
7	Ensure access to affordable, reliable, sustainable, and modern energy for all (consider adding targets for 7)	
	7.1 - By 2030, ensure universal access to affordable, reliable and modern energy services	
	7.2 - By 2030, increase substantially the share of renewable energy in the global energy mix	
	7.3 - By 2030, double the global rate of improvement in energy efficiency	
	7.a - By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology	
	7.b - By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programmes of support	
8	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	
9	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	
10	Reduce inequality within and among countries	

11	Make cities and human settlements inclusive, safe, resilient and sustainable	
12	Ensure sustainable consumption and production patterns	
13	Take urgent action to combat climate change and its impacts	*All TAs should indicate relevance to Goal 13 and at least one target below (13.1 to 13.b).* *TA will focus on Climate businesses*
	13.1 - Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries	By developing entrepreneurial abilities of the climate focused businesses, the capacity of the country and resilience to climate hazards will be improved
	13.2 - Integrate climate change measures into national policies, strategies and planning	
	13.3 - Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning	
	13.a - Implement the commitment undertaken by developed-country parties to the United Nations Framework Convention on Climate Change to a goal of mobilizing jointly $100 billion annually by 2020 from all sources to address the needs of developing countries in the context of meaningful mitigation actions and transparency on implementation and fully operationalize the Green Climate Fund through its capitalization as soon as possible	
	13.b - Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities	The incubator and accelerator program will focus on capacity building
14	Conserve and sustainably use the oceans, seas and marine resources for sustainable development	
15	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss	
16	Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels	

17	Strengthen the means of implementation and revitalize the global partnership for sustainable development	

13. Classification of technical assistance:

Please indicate primary type of technical assistance. Optional: If desired, indicate secondary type of technical assistance.

Please tick off the relevant boxes below	*Primary*	*Secondary*
☐ 1. Decision-making tools and/or information provision	☐	☐
☐ 2. Sectoral roadmaps and strategies	☐	☐
☐ 3. Recommendations for law, policy and regulations	☐	☐
☐ 4. Financing facilitation	☐	☐
☐ 5. Private sector engagement and market creation	☐	☐
☐ 6. Research and development of technologies	☐	☐
☐ 7. Feasibility of technology options	☐	☐
☐ 8. Piloting and deployment of technologies in local conditions	☐	☐
☐ 9. Technology identification and prioritization	☐	☐

Please note that all CTCN technical assistance contributes to strengthening the capacity of in-country actors.

14. Monitoring and Evaluation process

Upon contracting the implementing partners to implement this Response Plan, the lead implementer will produce a monitoring and evaluation plan for the technical assistance. The monitoring and evaluation plan must include specific, measurable, achievable, relevant, and time-bound indicators that will be used to monitor and evaluate the timeliness and appropriateness of the implementation. The CTCN Technology Manager responsible for the technical assistance will monitor the timeliness and appropriateness of the Response Plan implementation. Upon completion of all activities and outputs, evaluation forms will be completed by the (i) NDE about overall satisfaction level with the technical assistance service provided; and (ii) the Lead Implementer about the knowledge and learning gained through delivery of technical assistance. Furthermore, the NDE together with the project proponent(s) will complete a periodic post-implementation form to track the impact of the activities beyond the technical assistance end date.

Annex 1. Guidance Note for the Response Plan template

Annex 1:

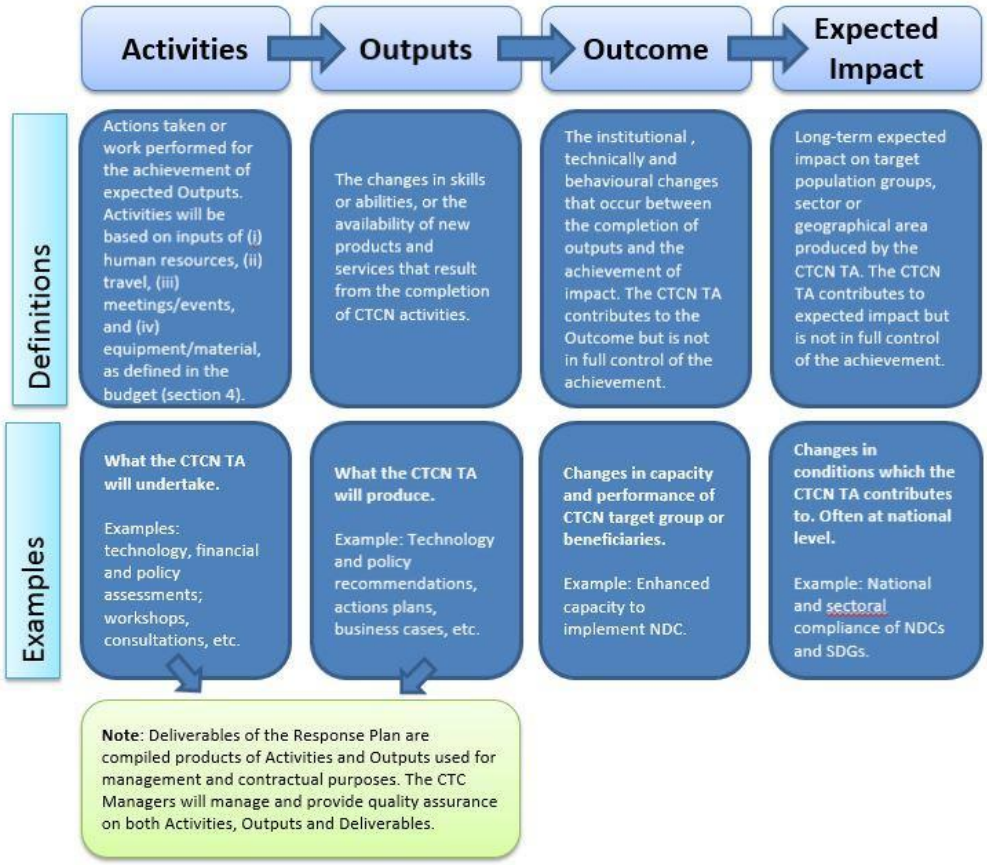
Guidance notes for designing a Response Plan (to be deleted when submitting the Response Plan)

1. Objective of the Response Plan

The Response Plan is developed by CTCN specialists in response to a country request for technical assistance. It constitutes the Terms of Reference of the CTCN technical assistance that will be provided to the country, and it provides the formulation of and subsequent basis for the monitoring and evaluation of the Response Plan implementation, as well as its expected outcomes and anticipated impacts.

2. Results chain and Logical Framework Approach to be defined in the CTCN Response Plan

The result chain is the causal sequence that stipulates the necessary flow of actions and processes to achieve desired objectives and results – beginning with inputs, moving through activities and outputs, and culminating in individual outcomes. The outcome will contribute to the desired impact in society. The Logical Framework Approach is an analytical process used to support objectives-oriented project planning and management. It provides a set of predefined concepts which are used as part of an iterative process to aid structured and systematic analysis and management of the CTCN technical assistance.



3. Process for designing the Response Plan

The Response Planning process should be completed over a period of up to 60 working days (12 weeks). Indicative steps and related timelines are laid out below:

4. Design Considerations

To maximize the impact of the technical assistance provided by the CTCN and provide an effective M&E process, the Response Plan should integrate as much as possible the considerations below:

Climate Technology focus: The Response Plan should have a clear focus on climate technologies, and identify activities that enable the identification, development, deployment or diffusion of one or several specific technologies (including equipment, techniques, knowledge and skills).

Barrier removal / Problem solving: The activities should contribute to address the specific problem statement identified in the Request. The barriers identified should be those hampering the identification, development, deployment or diffusion of one or several climate technologies or climate actions. Therefore, it may be necessary to limit the CTCN Response Plan to a set of activities for technical assistance commonly agreed with the NDE (and Proponent when needed) compared to the original request submitted. The CTCN will liaise with NDEs and Proponent in case the scope of the technical assistance deviates from the original request.

Use of the CTCN assistance by stakeholders: The Response Plan should identify clearly how the products of the CTCN assistance will be used in the short term once support is delivered, by who and when, to ensure it will lead to specific impacts in the country. The activities should engage the stakeholders that will use the concrete results of the assistance to deploy the technologies, including from the private sector, the public sector, research institutions, etc.

Within the scope of CTCN resources: The cost of the technical assistance provided by the CTCN cannot exceed USD 250,000 per Response Plan. Therefore, it may be necessary to prioritize activities and limit the CTCN Response Plan to a set of priority activities commonly agreed with the Proponent and the NDE to remain under this value. Under section 4 of the Response Plan template, an indicative activity-based budget should be presented. The proposed budget is indicative and should present an

estimated costing range per activity, output as well as a total costing range for the delivery of the Response Plan. Once the Response Plan is finalized and published for tendering, interested parties will provide competitive offer against the indicative budget.

CTCN activities and outputs should be linkable to monitoring and evaluation indicators: All proposed activities and outputs must be linkable to monitoring and evaluation indicators that are specific, measurable, achievable, relevant, and time bound. The monitoring and evaluation process and corresponding indicators will be developed by the Lead Implementer as part of the work plan and will allow the CTCN technology Manager to monitor the timeliness and appropriateness of the implementation.

Synergies with existing efforts: The Response Plan should focus on activities that are not already being fully supported or that are in the process of being fully supported by another national, regional or international organization. Synergies and complementarity also require that the CTCN assistance is not duplicating past activities. It is possible in the Response Plan to indicate co-financing from the government, the Proponent or another stakeholder, that will maximize the effectiveness of the CTCN assistance.

Gender mainstreaming: The CTCN mission is to build or strengthen developing countries' capacities to identify technology needs, to facilitate the preparation and implementation of technology projects and strategies considering gender considerations. The Response Plan must therefore describe how gender considerations will be included and monitored within the proposed activities, and any gender co-benefits that will be gained because of implementing the CTCN technical assistance. For that purpose, a Gender Assessment and Action Plan (GAAP) template has been designed to be followed by the implementation partner.