

CTCN input to COP24 stocktake on pre-2020 implementation and ambition

The CTCN accelerates the development and transfer of climate technologies in support of the implementation of Nationally Determined Contributions, National Adaptation Plans and other climate relevant plans of developing countries. By serving as a catalyst between supply and demand of climate technologies, the CTCN provides a focused set of enabling and matchmaking activities that allow developing countries to address specific needs to meet their national objectives under the Paris Agreement. Its support for pre-2020 action will focus on enhancing the delivery of technical assistance and supporting National Designated Entities to absorb, replicate and scale up climate technologies.

Providing Technical Assistance for Climate Technologies

Consistent with COP decisions and guidance of the Advisory Board to be demand driven and user-friendly, the CTCN will continue to provide technical assistance, its primary service offering, in the comprehensive breadth of adaptation and mitigation technologies across the technology cycle. These climate technologies span the continuum between 'hard' and 'soft' technologies, and include endogenous and most appropriate technology solutions.

The CTCN will continue to respond in a timely and appropriate manner to the requests for technical assistance from developing country NDEs. It will provide developing countries with high quality technical assistance to facilitate the transfer and dissemination of technologies for enhancing low emissions and climate resilient development in line with their national circumstances and priorities as articulated in their Nationally Determined Contributions and National Adaptation Plans. Additionally, the CTCN will encourage developing countries to consider submitting technical assistance requests in areas that advance regional priorities as identified through UNFCCC bodies and processes.

Multi-country requests will be encouraged where conditions allow to maximize the impact of CTCN activities. The CTCN will continue to promote enabling environments at the regional level for the uptake of climate technologies and will increase its efforts to mobilize the private sector through de-risking mechanisms and facilitating credit enhancement for climate related investments. Pre-2020 impact could be accelerated with a focus on some of the priority adaptation and mitigation technologies identified below.

Opportunities to define and extend priority adaptation and mitigation technologies	
Priority Adaptation Actions¹	Priority Mitigation Actions²
<ul style="list-style-type: none">• Agro-meteorological forecasting systems for farmers and local decision-makers• Small scale water delivery technologies for irrigation and domestic use• Urban adaptation planning tools• Hydro-dynamic modelling merging user need projections• Data systems development in support of integrated coastal zone management for adaptation measures• Monitoring systems and indicators for adaptation planning (local and national)• GIS-based tools for water management	<ul style="list-style-type: none">• Minimum performance standards and market creation/enhancement for appliances• Industrial energy efficiency• Electric grid stability and renewable energy penetration• Policies, master-plans and market assessments for renewable energy and energy efficiency• Building codes and planning for sustainable cities• Waste-to-energy solutions in both agriculture and communities• Low-carbon mobility• Gender mainstreaming in energy access• Circular economy: waste and industrial symbiosis

Specific activities related to technical assistance

The CTCN will support countries by designing and implementing high quality, impactful technical assistance consistent with national priorities including through:

¹ Taken from the CTCN's initial proposal on priority adaptation actions shared with the adaptation committee.

² Taken from the CTCN submission on specific technology themes and priority areas for near-term action to the UNFCCC High Level Champions.

1. Analyzing NDCs, NAPs, TNAs and other national, sub-regional, and regional planning documents to consolidate sectors and technologies that developing countries have identified as having the potential for transformative impact;
2. Developing response plans that are well designed and appropriate to country circumstances, needs, and priorities;
3. Utilizing gender guidance and tools in developing and implementing technical assistance;
4. Supporting private sector stakeholders in developing countries in the preparation of climate technology business plans and roadmaps as technical assistance deliverables;
5. Making use of technical assistance deliverables to produce high quality investment proposals;
6. Participating in the exchange of experiences on climate technology policy and regulations, benchmarking, and national standards;
7. Preparing feasibility studies and supporting piloting of appropriate technologies.

Supporting National Designated Entities

National Designated Entities will be engaged more regularly by the CTC and efforts would be made to increase their visibility at the national level, including through the Incubator Programme in Least Developed Countries and Small Island Developing States, focal points workshops, participation of CTCN team in national events and communication support. This will help ensure CTCN activities are consistent with national climate priorities and projects, including those originating from other focal points of relevant processes under the Climate Convention and the Paris Agreement.

The Technology and Financial Mechanisms under the Convention has been requested to strengthen their collaboration so as to increase the coherence of the support provided to countries, and ensure that support for technology planning processes is available and sound technology considerations are included into the actual funded projects. The CTCN will continue to create opportunities for National Designated Entities to discuss priorities and identify synergies with National Designated Authorities of the Green Climate Fund, and National and Operational Focal Points of the Global Environment Facility to ensure climate technology financing is accessed coherently.

The CTCN will continue to engage National Designated Entities at the sub-regional and regional levels promoting identification of climate technology priorities and fostering peer learning. Regional partnerships will be supported to encourage south – south cooperation and the deployment of endogenous technologies. The CTCN Regional Fora for National Designated Entities will remain focused on these objectives, while looking to maximize the engagement of focal points from other processes under the Convention, and the private sector. Regional knowledge networks will be facilitated through the CTCN Knowledge Management System to share best practices and lessons learnt, and maintain stakeholder engagement over-time.

Specific activities related to NDE support

The CTCN will enhance the capacity of NDEs and other stakeholders to develop and transfer climate technologies and access global mechanisms to support climate technology development and transfer. Specifically, the CTCN will:

1. Engage with bilateral and multilateral funding agencies through the development of new partnerships on priority mitigation and adaptation themes;
2. Support collaboration between NDE's, NDAs and other climate focal points to ensure coherence in climate technology financing;
3. Continue to engage in capacity building activities, including training of trainers in priority sectors;
4. Continue to explore ways to strengthen collaboration between the Financial and Technology Mechanisms to continue building trust and operational relationships;
5. Map relevant processes and partnerships with the potential for stronger collaboration in order to facilitate developing countries' access to climate technology financing;
6. Gather, curate, and share climate technology best practices, case studies, national plans, and publications through collaboration with key knowledge partners.
7. Introduce NDEs to new and innovative technology concepts and solutions.

The UNFCCC has requested the CTCN to convey its national and regional experiences at the international level while engaging with the Technology Executive Committee, and other bodies and processes under the Convention and the Paris Agreement. As such, the CTCN will continue to share lessons learnt, case studies, and trends attained through its technical assistance and capacity building activities so to inform policy guidance, and best practices in areas related to climate technology research, development, demonstration, and deployment in support of accelerating pre-2020 action.