



Update on the CTCN's activities in 2021

Moa Forstorp, Chair, CTCN Advisory Board, 28 March 2022

Key Achievements in 2021 - Innovation

Adaptation Fund Climate Innovation Accelerator Programme

- ❖ Over 200 applications received to date (approx. 60% from LDC and SIDS) → 13 project concept notes selected (funding available for 25)

Youth Climate Innovation Labs & Academy

- ❖ Over 1,300 applications received from young innovators from 74 countries
- ❖ 19 promising start-ups pitched their technology solutions

Blockchain Technologies for Climate Policy Implementation

- ❖ 5-week interactive online course for NDEs
- ❖ 6 webinars with leading experts from public and private sector



Adaptation Fund Innovation Programme



AMÉRICA LATINA

Creando soluciones tecnológicas para mejorar la acción climática

¡Aplica ya!

Organizado por:



* seedstars



Apoyado por:



Blockchain Technology for Climate Policy I

A 6-week webinar series on blockchain technology for climate mitigation and adaptation in developing countries.

19 Nov 2021

26 Nov 2021

3 Dec 2021

7 Jan 2022

- ❖ Policy frameworks that are **effective enablers for Research & Development and Innovation on adaptation technologies**
- ❖ How can technology advances (e.g. ICT, remote sensing, AI) be transferred to new contexts to provide **innovation on old tried and tested technologies** (e.g. strengthening climate information systems)
- ❖ **Outcomes from the creation of regulatory sandboxes** (testing environments for innovation and regulation) to pilot blockchain solutions
- ❖ How can policy frameworks help **capture momentum on true and tested nature-based solutions**

Key Achievements in 2021 - Implementation



23 TAs completed in 2021 and 61 new requests received → total of **332 requests received to date** from 108 countries

Africa

- ❖ Circular economy – waste stream specific CE roadmaps and feasibility studies for CE technologies
- ❖ Use of photovoltaics in the context of energy-water-food-nexus
- ❖ E-mobility regulations and incentives
- ❖ Technology Needs Assessments

Asia-Pacific

- ❖ In Pacific: renewable energy, energy efficiency, low carbon transport
- ❖ In Asia: increase in adaptation and cross-sectoral requests
- ❖ Demand we see going forward → technologies to address energy-water-food-nexus; early warning systems; decision support systems for resilience and roadmaps for eMobility and Green Hydrogen

LAC

- ❖ Increase in adaptation requests, e-mobility and resilient infrastructure systems
- ❖ Circular economy → potential for regional replicability and scale up
- ❖ Energy sector and Green hydrogen → opportunity for the region to become a global supplier

- ❖ Ensure that TEC policy paper and publications are developed with **enhanced input or feedback from the AB or CTCN** to reflect the CTCN's large portfolio on technology transfer
 - ❖ *E.g TEC ongoing work on NSI and low carbon transport → incorporate findings from CTCN TAs and reflections on the role of the CTCN*
 - ❖ *CTCN working on a compilation of good practices and lessons learned in the set-up and implementation of NSI*
- ❖ Co-create future **knowledge work** with the AB and CTCN
 - ❖ *E.g Policy recommendations to help guide countries where implementation of proven technologies in new contexts is taking place simultaneously with policy development*
- ❖ Policy reflections on **climate technologies that can address the triple planetary crisis** (climate-pollution-biodiversity)
 - ❖ *E.g Looking at environmentally sound technologies and the required enabling environment within the context of Circular Economy targeting the waste sector and Low-GHG Construction Materials*

Key Achievements in 2021 – Enabling environment and capacity building



SME Technology Clinics

- ❖ Incubator programme for industrial SMEs → transition from conventional to climate-friendly technologies
- ❖ 27 SMEs matched to financial and technology providers in Kenya and Tanzania
- ❖ 2 GCF Concept Notes developed to scale up implementation

Gender Just Climate Solutions Award & Mentoring programme

- ❖ Over 150 applications for the 2021 award programme
- ❖ 3 award winners and 93 participant in capacity-building sessions and online mentoring

Regional forums for NDEs

- ❖ Over 500 participants in 2021
- ❖ Great demand for Capacity Building of NDEs & awareness raising of the roles of NDEs and the Technology Mechanism

Enhancing Public Awareness

- ❖ CTCN mentioned **1,070 times** in national and global press (*29,7% increase compared to 2020*)
- ❖ Participated in **39** events; conducted **27** webinars, authored / co-authored **7** publications

Feedback to the TEC – Enabling environment and capacity building



- ❖ Investigation of the **effectiveness of incubator programmes** (e.g SME technology clinics) and recommendations for enabling environments to promote engagement of SMEs
- ❖ Reflection on the enabling environments and capacity building that would **maximize the impactfulness of the NDE role at the national level**
- ❖ **Joint planning and implementation of high-level events** on agreed key thematic issues
- ❖ Jointly host a **Technology Pavilion at COPs and SBs**
- ❖ Disseminate Technology Mechanism implementation findings and policy work jointly at **regional knowledge sharing events**

Key Achievements in 2021 – Collaboration and stakeholder engagement



Growing Network of Climate Technology Providers

- ❖ 84 new Network Members in 2021 → bringing the total number to 707
- ❖ Strengthened sectoral expertise of Network → Waste mgmt, Water, Early Warning and Environmental Assessment

Latin America and Caribbean Circular Economy Coalition

- ❖ CTCN as a strategic partner of the Coalition
- ❖ CTCN contributing to work on interlinkages between NSI and Circular Economy
- ❖ CTCN technical assistance projects to develop a common understanding for climate change metric in Circular Economy measures

Engaging Youth, Women and Indigenous Peoples

- ❖ Youth Knowledge Exchange programme launched
- ❖ Gender analysis of past CTCN technical assistance
- ❖ CTCN communicated to the Local Communities and Indigenous Peoples Platform its interest to collaborate

- ❖ Look at collaborating mechanisms that favour **collaboration and stakeholder engagement in the context of climate technologies**, in particular with the private sector
- ❖ Case studies on methodologies to **measure progress on complex multi-sectoral technological transformation pathways** (e.g Circular Economy)
- ❖ Jointly **scale up the engagement of youth, women and indigenous people** in the work of the Technology Mechanism

Engagement with financing entities

- ❖ Continued collaboration with AF, GCF, GEF, NDC Partnership
- ❖ Ambition moving forward:
 - Multi-country, large scale project development
 - Programmatic approach on adaptation and climate technology

Facilitating access to financing

- ❖ CTCN's Vision to Concept capacity building programme → enhance the skills of national institutions to prepare GCF concept notes for scaled-up funding
- ❖ 55 technical employees of Ministries and institutions trained in Eswatini and Sudan → 8 GCF Concept Notes developed

Anticipated funding leveraged in 2021

- ❖ 32 Concept Notes for further financing developed in 2021 → 178 million USD could be leveraged

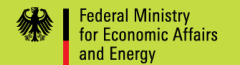
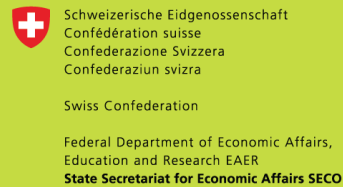
- ❖ Enabling conditions and/or policy frameworks that **facilitate access to finance to scale up** (including the private sector)
- ❖ When constituency bodies or other stakeholders ask **for inputs from the TEC or CTCN from a climate technology perspective**, including when it relates to issues on climate financing, **consider joint TEC-CTCN submissions**



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Supported by



Key Achievements in 2021 - Implementation

In 2021, the CTCN completed **23 TAs** in **39 countries** (out of **332 requests** received to date from **108 countries**)

Implemented by:

- **16 Network Members** → 64% from developing countries
- **4 Consortium Partners** → 75% from developing countries

- **4 multi-country TAs** → 2; 4; 6 & 15 countries
- **253 deliverables** → including 23 Closure Reports, technical briefs, roadmaps, etc available publicly online

