

**10** YEARS  
2014  
–  
2024

# CTCN's Role in Enhancing Linkage between the Financial Mechanism and Technology Mechanism

SBI 60 in-session workshop on linkages between the Technology Mechanism and Financial Mechanism

Fred Onduri, Chair of the CTCN Advisory Board

# **CTCN's mandate**

## (Decision -/CP.28)

05. Encourages the Technology Executive Committee, and the Climate Technology Centre and Network and the operating entities of the Financial Mechanism to enhance the involvement of stakeholders as they take action to strengthen the linkages between the Technology Mechanism and the Financial Mechanism;



# **Strengthening programmatic linkage**

# GCF Readiness Programme Portfolio



- Since 2017, CTCN has supported in total 29 GCF readiness projects amounting 11 million USD to date GCF Readiness fund portfolio
- 1 Readiness proposal resubmitted – Nigeria
- TNA development and scale up of prioritized technologies

# Countries requested CTCN support on TNAs

- 12 projects related to TNA support
  - Botswana
  - Cote d'Ivoire
  - Georgia
  - Kyrgyzstan
  - Paraguay
  - Nigeria
  - Iraq
  - Democratic Republic of the Congo (the)
  - Cameroon
  - Gabon
  - Cambodia
  - Equatorial Guinea

# Technology Needs Assessment and Implementation of its Results

## Results in 2023-2024:

- 3 TNAs were closed in 2023 (Kyrgyz Republic, Botswana and Georgia)
- 1 TNA is under implementation (Côte d'Ivoire)



- **Kyrgyz Republic: 3 concept notes**
  - Local Communities Green technologies - Agriculture (Organic)
  - Thermal Insulation – Public Buildings
  - Bio Mechanical process - Solid Waste
- **Georgia: 4 concept notes**
  - Green hub waste to energy
  - Energy efficient refurbishment of public buildings
  - E-mobility
  - Private sector in Green Agro
- **Côte d'Ivoire: Implementation activities on NSI**

# Technology Needs Assessment and Implementation of its Results (Cont.)



## Technical guidance and support to conduct a technology needs assessment and a technology action plan for Paraguay

Phase	Completed in 2023 and <b>2 GCF concept notes</b> produced
Request	Support Paraguay in conducting a sectoral technology needs assessment (TNA) and develop a technology action plan (TAP)
Response	Two GCF concept notes were developed for leveraging finance for climate technology deployment.
Results and Impacts	One of the GCF concept notes addressed an integrated water management system, worth USD 4 million USD, that has the potential to reverse ecosystem degradation in prioritized river basins and strengthen resilience of the ecosystems to climate change, through anticipatory actions for droughts, floods and other climate risks



# Playing catalytic role in leveraging larger funds

- Providing support to countries in creating standards and business models for prioritized technologies



## Formulating a National Electricity Grid Code and the Definition of a Net Metering Policy in Timor-Leste

Timor-Leste has a high potential for solar energy, particularly along the coastline with an estimated solar resource of up to 5.5-6 kWh/sq.m per day. As distributed generation grows, grid code requirements for DERs become increasingly important to ensure grid stability.

Solar resource assessments can gauge the potential volume of solar capacity that could be motivated through a net metering programme but typically needs highly resolved geographical information system (GIS) data on topography and land-use availability, solar resource data, and light detection and ranging (LIDAR) which can be used for mapping rooftop availability.

### Facts

📅 Date of submission

[Friday, January 27, 2023](#)

🌐 Geographical scope

[National](#)

🌍 Countries

[Timor-Leste](#)



## Leapfrogging Lesotho's market to energy-efficient refrigerators and distribution transformers

### Context

Just over one fifth of households in Lesotho have access to electricity. The adoption of energy efficient technologies beyond lighting has consequently been low in Lesotho to date. Opportunities for adoption of efficient products have been limited due to a range of reasons that include high levels of poverty and cultural factors, particularly in rural areas.

Lesotho already participated in the workshop, organized by the Climate Technology Centre and Network, on

### Facts

📅 Date of submission

[Thursday, February 28, 2019](#)

🌐 Geographical scope

[National](#)

🌍 Countries

[Lesotho](#)

# Upcoming GCF portfolio

## Next Steps as a result of the implementation of TNAs :

- **Uganda** has requested support to the CTCN to develop a project proposal to address climate challenges based on Uganda's TNA.
- One of the Concept notes developed under **Georgia**'s TNA is being discussed with an AE for submission to the GCF.


## New requests to update TNA:

- Madagascar, Namibia, and Dominican Republic etc. requested support to the CTCN to update their TNAs but with the changes of the GCF modalities, interest will need to be reconfirmed by the NDAs of the host countries.

# Scalable TA results facilitating access to GEF/GCF



- (GEF) In some cases, it has been noted that there is a correlation between the technical assistance delivered by the CTCN and the request for proposal (PIF) submitted by the respective countries to GEF.
- (GCF) Co-developed two GCF Project Preparation Facility submissions:
  1. With **Kenya Commercial Bank (KCB)** for “Promoting the Adoption of Environmentally Sound Technologies by Small and Medium Sized Enterprises in Kenya to Enhance Production Efficiency and Business Value”
  2. With the **West African Development Bank (BOAD)** for “West African Low Emissions and Climate Resilient Agriculture Financing Facility”
  3. Supporting **Cambodia’s** GCF concept note development on Agro-based enterprises
  4. Supporting **Uganda's** GCF concept note development



**Strengthening  
functional  
linkage**

# Collaboration on programming of activities and capacity-building programmes

## 2022

1. GCF's participation at global capacity building programs for NDEs
  - Water Innovation (Regional Manager for Caribbean)
  - Digitalization in Agriculture (Private Sector Facility)

## 2023

1. GCF's Structural Dialogues for Asia Pacific (5 NDEs participated); dedicated session introducing the CTCN to NDAs; bilateral meetings among NDEs/NDAs/GCF AEs for pipeline development
2. Tripartite meeting with countries, KOICA (AE), and CTCN
3. GCF's Private Investment for Climate Conference in Africa
4. GCF's participation at global capacity building program on Green Hydrogen



# Stakeholder coordination between CTCN and TNA steering group



## 2024

GEF: The CTCN is also a member of the Steering Committee for Phase IV of the Global TNA project. Specifically, the CTCN is providing in-kind resources of up to \$ 910,000 consisting of staff-time/expertise to:

1. Participate as resource persons in TNA related global and regional workshops and events;
2. Respond to TNA related technical assistance requests submitted by participating countries;
3. Facilitate access for participating countries to knowledge and information from different organizations and countries; and
4. Disseminate TNA results and promote TAP implementation.

### TNA Community

Our work on technology cuts across a number of key entities which include UN bodies and other international organizations, national and regional governments, businesses, research institutions, donors and investment partners, non-governmental organizations and universities, among others.

UN Environment and UNEP Copenhagen Climate Centre collaborate closely with the UNFCCC Secretariat's technology team and the CTCN team. This cooperation will continue to increase opportunities related to technical assistance, knowledge sharing and networking activities. The two bodies of the UNFCCC Technology Mechanism, the TEC and the CTCN, serve in an advisory role to the TNA project, since both are members of the Global TNA Project Steering Committee. Also, the TNA project work closely with the CTCN in order for countries to receive support for taking their TNA results forward.

Key members of the TNA community include the following organizations.



# Stakeholder coordination between NDEs- GCF NDAs



## 2024

1. GCF's Structural Dialogues for CIS (CTCN Secretariat)
2. GCF's Structural Dialogues for MENA (2 NDEs will participate)
3. GCF's participation in the Network engagement event (Water Sector Lead)
4. GCF's participation at global capacity building program (Asia and the Pacific, Africa regional desks)



# Stakeholder engagement of national focal points

## 2024

### 1. Zambia delegation (March)

- Introduction to GCF Africa regional desk
- Summary of Zambia's GCF portfolio
- Consultation on future collaboration opportunities

### 2. Samoa delegation (May)

- Introduction to GCF Asia and the Pacific regional desk
- Introduction to new Readiness strategy
- Consultation on future collaboration opportunities





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# Lessons learned

# Lessons learned and gaps

- Lack of capacity-building support for developing countries to prepare project proposals that are in line with the requirements of the CTCN, the GCF and the GEF.
- Lack of coordination between NDEs, other national focal points, implementing agencies and financial entities for climate technology projects at national level.
- Preparation of Readiness and Concept notes is resource intensive ( both human and financial resources).
- A programmatic approach (umbrella project) is more feasible for the CTCN. (good examples from Adaptation Fund Climate Innovation Programme (AFCIA))

## Supported by

