



Update on the work of the CTCN and reflections on synergies with the TEC

Erwin Rose

Chair of the CTCN

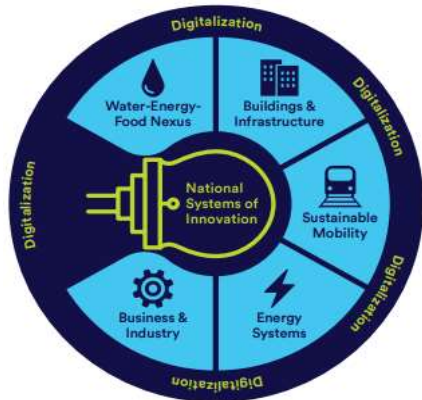
Joint TEC-CTCN session,
22nd September 2023



Key highlights

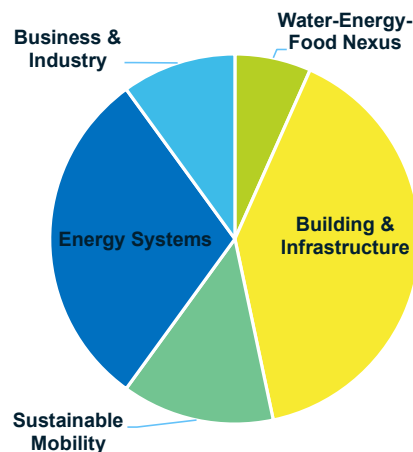
1st year of Implementation of the 3rd Programme of Work (2023 – 2027)

- Structured around 2 technology enablers and 5 system transformations
- Countries encouraged to start framing Technical Assistance requests aligned with the PoW



Technical Assistance

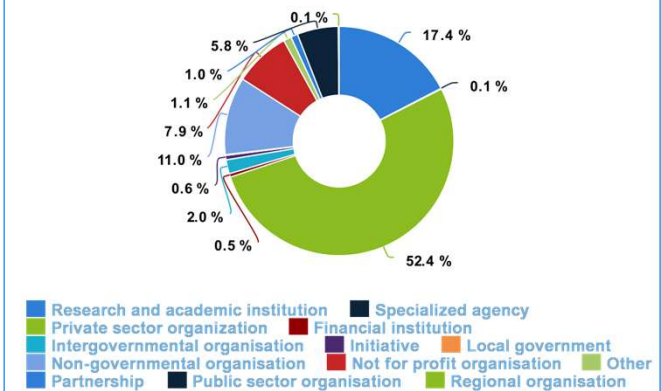
- 403 requests received:
 - 40 TAs completed during the reporting period
 - 13 new requests received
- Anywhere between 40 to 50 TAs/ year under implementation at different stages



Network members

- 810 members total > 50% from Non-Annex I Parties
- Strengthened engagement of Network members: capacity building; bilateral meetings with NDEs; knowledge sharing (webinars, publications), implementation of technical assistance

Distribution of network members by type of institution



Key highlights

Continued collaboration with the Green Climate Fund

- 31 GCF Readiness Proposals, 3 completed during the reporting period
- 2 Project Preparation Facility submissions: with the Kenya Commercial Bank and the West African Development Bank
- Regional Dialogue with Asia & Pacific (5 NDEs participated) → session for NDE-NDA
- Private Investment for Climate Conference in Africa
- TEC involvement in relevant engagement activities with the GCF



Adaptation Fund Climate Innovation Accelerator (AFCIA)

AFCIA Phase I: Oct. 2020 – Oct. 2025

- +500 requests > 105 countries
- 25 TAs selected; 4 completed
- Link to TEC work on emerging and transformational adaptation technologies (TEC activity A.3.1 - knowledge product)

AFCIA Phase II:

- CTCN submitted a 12 million USD proposal
- Continue to support testing & piloting of innovative climate adaptation technologies through locally-led climate action + creation of digital public goods for replication and scaling up



Climate Change and Security: Joint EU-CTCN programme

3 million EUR over 3 years (Jan 23 – Jan 26):

- Objective: strengthening resilience of societies in conflict due to climate impacts → by facilitating conflict sensitive, community-based climate technology solutions
- Support to 10 innovative community-based climate technology projects for communities at risk of conflicts due to climate impact



Common area of work: Water-Energy-Food systems

Technical Assistance:

- 2 / 40 TAs completed (*over the 2023 JAR period*) on WEF nexus
 - e.g TA in Cameroon: Water- Energy-Livestock for the dairy value chain

Capacity Building & Networking:

- Thematic webinar on collaborative RD&D for WEF – Asia-Pacific & Africa regions, with FAO, STEPI & One World

Reflections pertinent to the TEC's work:

- TEC partnership with FAO can be leveraged by the CTCN to undertake match-making for scaling up.
- CTCN TA experience on WEF nexus can be used as case studies for TEC-FAO upcoming knowledge product
- CTCN will explore opportunities for integrating outcomes of this work to help develop TA request

Support to the implementation of an integrated project Water-Energy-Livestock for the dairy value chain in the municipalities of Pette and Wina - North Cameroon



Water-Energy-Food Nexus in Africa: A Path to Sustainable Development

Objective:
Adaptation, Mitigation

Sectors:
Agriculture, Energy efficiency, Water,
Cross-sectoral

Cross-sectoral enabler:
Capacity building and training

Webinar on W-E-F Nexus, 10 AM (EST), 5 PM (KST), 24th July: AP and Africa

3 min	Introduction on the program Moderator (Suil Kang)	Anastasia Tieme...
4 min	Welcome remarks Rajiv Garg, Director(a.i.) of the CTCN, The Head of the CTCN PALO	Suil Kang
15 min	FAO's Water- Energy- Food Nexus Assessment Mr. Manas PURI, FAO	Puri Manas (OCBD)
5 min	Q&A	Belynda Petrie
15 min	The implication of WEF Nexus approach in the Mekong region and the role of STI Dr. Hwanil PARK Science and Technology Policy Institute (STEPI), Korea	Hwanil Park STEPI
5 min	Q&A	SoHyun Kwon ST...
15 min	Water, energy and food security nexus – little heeded but much needed? Ms. Belynda PETRIE, CEO, One World, South Africa	
3 min	Q&A	
10 min	Panel Discussion, Speakers	
3 min	Closing remark, CTCN	

Common area of work: Energy systems

Technical Assistance:

- 9 / 40 TAs completed (over the 2023 JAR period) related to energy systems
 - e.g Enhancing Vanuatu's market for energy efficiency appliances

Capacity Building & Networking:

- Regional Capacity Building Program on Green Hydrogen in Energy and Sustainable Mobility Sectors: Asia and Pacific
- Thematic webinar on collaborative RD&D for energy systems – Africa Region, with IEA & NREL
- Learning exchange event on technologies for decarbonizing electrical transmission and distribution grids through F-gas regulations and policies - co-hosted by the NDE of Germany, Siemens and Nuventura

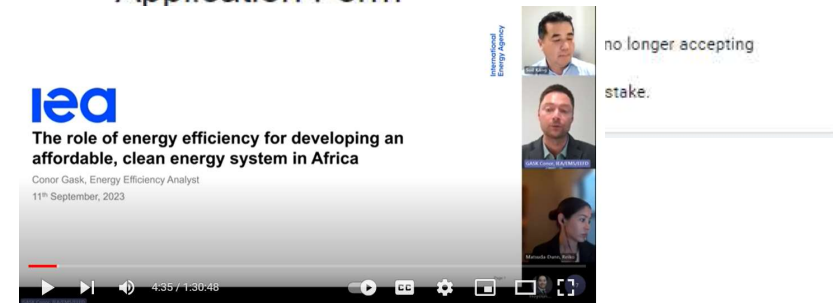
Reflections pertinent to the TEC's work:

- The joint TEC and CTCN paper on Technology and NDCs, and background paper on technology roadmaps to be presented to NDEs for it's follow up

Asia Pacific NDEs: regional capacity building on green hydrogen in energy and sustainable mobility sectors



2023 Capacity-Building Workshop Application Form



webinar #3 - Collaborative RD&D for Energy Systems Transformation

Common area of work: Buildings and resilient infrastructure



Technical Assistance:

- 12 / 40 TA projects completed (*over the 2023 JAR period*) related to buildings and resilient infrastructure
 - e.g Policy guidelines on building codes for enhancing energy -Kyrgyz Republic

Capacity Building & Networking:

- Launch of publication on [NBS & water management challenges in Asia-Pacific](#) – jointly with UNEP-DHI
- [Thematic webinar on collaborative RD&D](#) for NBS under buildings and resilient infrastructure – LAC, hosted in partnership with ICLEI Energy Exchanges

Reflections pertinent to the TEC's work:

- TEC work and partnership on Early Warning and Ocean would be useful for the further work of CTCN
- The TEC work on Grand Challenge Programme on AI4Climate Action could provide opportunities for scaling up the TAs implemented by CTCN
- CTCN can provide inputs based on its extensive experience working on green building codes and energy efficiency in buildings for upcoming TEC event / thematic dialogue in 2024

Development of policy guidelines on building codes for enhancing energy efficiency and identification of viable technologies for public buildings in the Kyrgyz Republic



Nature-based Solutions to Emerging Water Management Challenges in the Asia-Pacific Region

Welcome to participants

Facilitating team:

- Alejandro Jiménez, Coordinator, UNEP-DHI
- Heather Jacobs, Knowledge and research specialist, CTCN
- Lisbet Rhiannon Hansen, Programme advisor, UNEP-DHI
- Maija Bertule, Senior technical advisor, UNEP-DHI

Nature-Based Solutions under Buildings & Resilient Infrastructure Area

28 August, 2023

8am (Costa Rica Time)

Online

<https://bit.ly/3YhyuRy>

Dr. Alejandra Martínez-Salinas, Centro Agronómico Tropical de Investigación y Enseñanza, Yaguajay, Cuba

Dr. Charley St. Martin, International Institute for Sustainable Cooperation in Agriculture, USA

Dr. Sang-in KANG, Korea Environment, In (Korea, (OECD)

FIII | CTCN Webinar: August 28th Collaborative RD&D for Nature-based solutions

Common area of work: Business and Industry

Technical Assistance:

- 3 / 40 TA projects completed (*over the 2023 JAR period*) related to business and industry
 - e.g Climate resilience and economic sustainability of livestock farming - Mongolia

Capacity Building & Networking:

CTCN actively engaged entrepreneurs and encouraged collaboration between the public and private sector:

- Youth Climate Innovation Lab and Academy launched in MENA in 2022
- Collaborative RD&D twinning arrangements

Reflections pertinent to the TEC's work:

- TEC brief on Industrial Energy and Material Efficiency in Emission-Intensive Sectors
- CTCN work in the cement industry may be of interest for upcoming TEC work (TEC activity C.3.1)

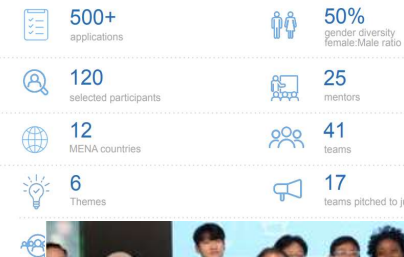
Enhancing climate resilience and economic sustainability of livestock farming in a rural community of Mongolia



★ THE CLIMATE INNOVATION LABS & ACADEMY IN A NUTSHELL - MENA



UN environment CTCN ★ seedstars



Common area of work: Technology Needs Assessment



Technical Assistance:

- 10 TNA completed (*over the 2023 JAR period*)
 - Most funded through GCF Readiness
 - Paraguay conducted its first TNA
- Resulted in 18 preliminary concept notes based on TAP project ideas

Collaboration with partners:

- TNA guidance gap assessment
- GCF structured dialogues for Asia Pacific: presentations of TNA outcomes
- CTCN member of steering committee for Global TNA Phase 5 project

Reflections pertinent to the TEC's work:

- While the TNA process allows for project ideas to be identified and prioritized in some specific sectors, TNA outputs are not immediately scalable and require further in-depth analysis to become bankable.
- CTCN can provide inputs for upcoming TEC activity on analysis of success stories of implemented TAPs based on CTCN TNA portfolio (TEC activity B.1.1)

TNA Workshop in DRC



TNA Workshop in Paraguay





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