



Update on the work reflecting on synergies with the TEC

Erwin Rose, Chair of the CTCN

TEC-CTCN Joint Session

19th April 2024

**CTCN 2023-2027
Programme of Work
implementation:
update**

Technical Assistance Implementation (2022-23)



106

developing countries served



169 million

anticipated beneficiaries



90

technical assistance completed



USD

287 million

anticipated funding leveraged
for developing countries,
21% leverage ratio

34 million

expected tonnes of CO₂e_q
reduced per year



Network members from

840

technology companies and
institutions around the world



GENDER JUST CLIMATE SOLUTIONS

8th edition * 2023



WOMEN & GENDER CONSTITUENCY

CLIMATE TECHNOLOGY AND GENDER EXPERT ROSTER

JOIN THE ROSTER NOW

www.ctc-n.org



UN environment programme

CTCN UN Climate Technology Centre & Network

United Nations Climate Change

TEC

UN environment programme

CTCN UN Climate Technology Centre & Network





COP28 Highlights

CTCN calendar at COP28



Date	Title	Co-/Organizers
1 Dec	Road to Carbon Neutrality based on Digital Transformation	Korean Presidential Commission on Carbon Neutrality and Green Growth
2 Dec	Showcasing the digital climate vulnerability map of Uganda	CTCN, UNEP CCC and Ministry of Water and Environment, Uganda
3 Dec	On the Pathway to Decarbonize Electricity Grids: SF6 Transparency and Phase-out	CTCN and National Designated Entity (NDE) Germany
5 Dec	Gender Just Climate Solutions Award & Gender Roster Announcement	CTCN and the Women Engage for a Common Future (WECF)
5 Dec	A Stocktake: From climate technology needs to implementation	UNEP, UNEP CCC, CTCN
5 Dec	Building capacity for demand-driven technology and innovation in cities	WIPO - CTCN
5 Dec	Announcement of new programmes and expansion of the AFCIA Partnership	Adaptation Fund Climate Innovation Accelerator (AFCIA) - CTCN
6 Dec	Digital readiness of developing countries: how it can accelerate climate action	TEC, CTCN, GIZ, and Data Economy
6 Dec	Water-Food-Energy Nexus Framework for Just Transition and Building Climate Resilience	Ministry of Natural Resources, Environment and Climate of Malaysia
6 Dec	Innovative technologies in mitigation and land restoration: Finding solutions for accelerated uptake -Technology Green Book Launch	WIPO, UNCCD & CTCN
8 Dec	Uniting for Climate Actions: Calling for International Technology and Innovation Cooperation	COP28 Presidency, CTCN, TEC
8 Dec	Stimulation of the collaborative climate technology RD&D	CTCN-TEC
9 Dec	High-Level Event on Artificial Intelligence for Climate Action	COP28 Presidency, CTCN, TEC
11 Dec	Asia-Pacific Super Energy Highway	Korea Institute of Energy Research

Uniting for Climate Action: Calling for International Cooperation on Technology & Innovation



The science is clear: we need ambitious action and we need it quickly.

The good news is we already have proven technologies available to us, and thanks to the work of CTCN, a strong business case for these technologies being rolled out in developing countries.

Now we need to bring together both finance and resources to scale the capacity building and technology transfer we need to deliver low carbon and climate resilient development for those communities most impacted by climate change.

Inger Andersen, Executive Director of UNEP

Artificial Intelligence for Climate Action



Harnessing artificial intelligence as a strategic asset to mitigate climate change involves integrating it into national policies and plans.

This integration facilitates the use of data analytics to align policy with real-time climate data, thereby enhancing its efficacy and advancing technological development and scientific discovery in the field of energy.

These measures and policies should not be viewed in isolation, but rather as a unified global initiative, acknowledging that climate change transcends geographical boundaries and requires concerted global efforts.

H.E. Omar Sultan Al Olama, Minister of State for Artificial Intelligence, Digital Economy and Remote Work Applications, United Arab Emirates

COP28 Social media activities & community engagement



LinkedIn

33 posts, 39 reposts

- Profile views increased by 77.8% (1280 views), 68.7% increase in unique visitors (506 views);
- Reactions on the CTCN's page increased by 239.4% (896 reactions);
- CTCN's page comments increased by 516.7% (37 comments);
- Content shared received 36 210 impressions;
- New followers increased by 132.2% (+541 followers);
- Overall # of clicks received 2 597 clicks;

Facebook

25 posts, 16 reposts

- Facebook profile views increased by 95.9% (143 views)
- Followers increased by 33.3% (+14 new followers)
- People reached increased by 151.3% (3887 reached)
- Engagement increased by 620% (712 interactions)

X (former Twitter)

28 tweets, 48 retweets

- Tweet impressions: 5.9K
- Profile visits: 2 754 (+54.5%)
- Total # of followers: 4 884 (+104 followers)

UN Climate Technology Centre and Network (CTCN)
@UNFCCC_CTCN

reliable data is the basis for planning, implementation & monitoring. 
's digital [#climatevulnerability](#) map, dev w/ [@UNEPCCC](#), leverages data to pinpoint risks & hotspots. A pivotal step towards informed [#climateaction](#) & a scalable resource 4 countries battling similar challenges.



UN Environment Programme and 5 others

CTCN United Nations Climate Technology Centre & Network (CTCN) 3,471 followers
1w • 

Join us for a crucial discussion on the role of digital readiness in global climate action 







Key players such as the [United Nations Climate Technology Centre & Network \(CTCN\)](#) and [Deutsche Gesellschaft für Internationale Zusammenarbeit \(GIZ\) GmbH](#) support digitalization in developing countries. However, what measures need to be taken to ensure user-centric development and foster ownership, tailoring digital tools to the needs of developing countries for long-lasting climate impact?

This UNFCCC Technology Mechanism event at #COP28 explores digital readiness strategies tailored to diverse contexts. Learn from case studies by CTCN, GIZ, and partners, emphasizing digital skills and enabling environments.

More: <https://shorturl.at/cnZ36>

[#DigitalReadiness](#) [#ClimateTech](#)

UN Environment Programme
UN Climate Change
Bjorn-Soren Gigler, PhD, Julia Fink, Jongseok Shin, Seth Ayers, Sara Ballan, Rajiv Garg, Erwin Rose, Moritz Weigel, Stig Svenningsen, Mukes Kapilashrami, Valentin Rudloff.

Digital readiness of developing countries: how it can accelerate climate action

When:
December 6
1:00 - 2:30pm

Where:
UNFCCC Global Innovation Hub Pavilion

Learn more at: ctc-n.org

 Valentin Rudloff and 68 others

5 comments · 12 reposts

3

**TEC-CTCN 2023-2027
Joint Work Programme
implementation**

Common area of work: Water-Energy-Food systems

Technical Assistance:

- 2 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)
4 min	Welcome remarks Rajiv Garg , Director (a.i.) of the CTCN, The Head of the CTCN PALO
15 min	FAO's Water- Energy- Food Nexus Assessment Mr. Manas PURI , FAO
5 min	Q&A
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
5 min	Q&A
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 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



ENHANCING INCLUSIVITY AND ACCESSIBILITY TO CLIMATE TECHNOLOGIES FOR ALL

Online Capacity-Building Workshop
7-8th September 2023 14:00-18:00 (Seoul Time)

2023 Capacity-Building Workshop Application Form

A screenshot of a video player interface. The main content is a slide titled "The role of energy efficiency for developing an affordable, clean energy system in Africa" by Conor Gask, Energy Efficiency Analyst, dated 11th September, 2023. The slide features the IEA logo. On the right side of the video player, there are three small video thumbnails. The top one shows a man with the text "no longer accepting stake." below it. The bottom thumbnail shows a woman. At the bottom of the video player, there is a progress bar and control icons, with the time 4:35 / 1:30:48 displayed.

Common area of work: Buildings and resilient infrastructure

Technical Assistance:

- 12 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 Oceans would be useful for the further work of CTCN
- The 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
Consultant
UNEP-DHI
- Heather Jacobs
Knowledge and research specialist
CTCN
- Lisbet Rhiannon Hansen
Programme advisor
UNEP-DHI
- Maija Bertule
Senior technical advisor
UNEP-DHI

0:45 / 1:07:19

Nature-Based Solutions under Buildings & Resilient Infrastructure Area

28 August, 2023
8am (Costa Rica Time)
Online
<https://bit.ly/3YhyuRy>

Dr. Alejandra Martínez-Salinas
Investigadora Científica
Tropicales (Trópicas) y
Higiénica, Facultad de
Ciencias Agrícolas
Centro Agronómico Tropical de
Investigaciones y Enseñanza
Tropicales (CIAT)

Dr. Chaney St. Martin
Senior Technical Advisor
Cooperation for
Agriculture
(CA)

Dr. Sangjin KANG
Korea Environment
Institute (KEI)

Common area of work: Business and Industry

Technical Assistance:

- 3 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@ 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





CTCN Secretariat
UN City, Marmorvej 51
DK-2100 Copenhagen, Denmark
www.ctc-n.org
ctcn@un.org



Supported by

