

# M&E for the Technology Mechanism Work Programme (2023-2027)

Joint TEC-CTCN Session  
22 September, 2023



# Mandate

**COP 27 and CMA 4** provided guidance to the TEC and CTCN to enhance their efforts to monitor and evaluate their work

Encourage the TEC and the CTCN to **explore the opportunity of developing a common and integrated M&E system** in designing the joint work programme. *(20/CMA.4, recommendation 3 PATM)*

Request the TEC and CTCN to continue to **enhance efforts to monitor and evaluate the impacts of their work**, including **identifying new ways to invite feedback from NDEs** on the impact of the work of the Technology Mechanism. *(18/CP.27; 19/CMA.4)*

**What is currently in place?**

# Background

## Joint Work Programme of the Technology Mechanism for 2023-2027 (composed of three "chapters")



Framework Convention on Climate Change

24 October 2022

Joint Work Programme of the UNFCCC Technology Mechanism for 2023-2027

## TEC Rolling Work Plan for 2023-2027 (organized according to 4 workstreams)



Framework Convention on Climate Change

11 April 2023

Rolling workplan of the Technology Executive Committee for 2023-2027<sup>1</sup>

## CTCN Programme of Work for 2023-2027 (introducing 2 enablers and 5 system transformations)

CLIMATE TECHNOLOGY CENTRE & NETWORK  
PROGRAMME OF WORK 2023-2027

21 October 2022

## Joint Activities & Common Areas of Work for 2023 – 2027

**Joint Activities, incl:** Technology roadmaps; Digitalization; Continuing joint activities

**Common areas of work:** NSI; water-energy-food systems; energy systems, buildings and resilient infrastructure, business and Industry, and TNAs.

### Updated TEC M&E framework discussed at TEC 26

- Structured around the 4 TEC workstreams
- Indicators reflect planned outputs under the rolling work plan

### Updated CTCN M&E framework to be discussed at CTCN AB 22

- Based on the 5 Technology Framework themes
- Incorporates new key performance indicators from the PoW and lessons learned from implementing the CTCN M&E system

Currently no indicators for joint activities or collaboration on common areas of work.

Measuring Impact: Joint Bi-Annual NDE Survey

# Continued coherence between TEC & CTCN M&E systems

Illustration of the continued coherence between the TEC the CTCN M&E systems

CTCN Intended Outcomes (2023–2027)	TEC Intended Results (2023–2027)	Alignment with the key themes of the Technology Framework				
		Innovation	Implementation	Collaboration	Enabling Env. & Capacity Building	Support
Countries can accelerate innovation at different stages of the technology cycle through collaborative approaches.	Countries have enhanced enabling environments for technological innovation and innovative climate solutions at different stages of the technology cycle through collaborative approaches.	TEC & CTCN			TEC	
Countries have clear pathways and options to enhance inclusive, gender-responsive technology development and transfer, including endogenous and indigenous technologies.	Countries have clear pathways and options to enhance technology development and transfer through the integration of technology planning tools and the application of their results (e.g. TNAs, TAPs, long-term technological transition strategies) in national climate plans (e.g. NDCs, LET-LEDS and NAPs).	TEC	TEC & CTCN			
Countries have enhanced enabling environments, including policy and regulatory environments to develop, transfer and deploy climate technologies.	Countries have enhanced enabling environments to develop, transfer and deploy transformative and innovative technological solutions in key sectors to implement NDCs in these sectors.	TEC & CTCN	TEC		TEC & CTCN	
Stakeholders are actively engaged and have strengthened capacity to implement climate action through collaboration.	UN constituted bodies and UN agencies collaborate in promoting climate technology development and transfer.		CTCN	TEC	TEC & CTCN	
Countries have access to Technical Assistance and financial support to enhance development and transfer of gender responsive technologies.			CTCN		CTCN	

\*TEC: Boxes marked with TEC reflect technology framework themes covered by TEC activities and outputs under the TEC's 2023-2027 rolling workplan  
\*CTCN: Boxes marked with CTCN reflect technology framework themes covered by CTCN activities and outputs under the CTCN's 2023-2027 PoW  
\*TEC & CTCN: Boxes marked with TEC&CTCN reflect technology framework themes covered by both TEC and CTCN activities under their respective rolling workplan and PoW



# **M&E for Joint Activities**

# Measuring & Evaluating progress for Joint activities



Output Indicators	Detail
<b>Number of joint activities to produce KM outputs</b>	Refers to number of both new and continued activities that are jointly implemented to produce knowledge management outputs, (written products, publications, resources, training and events)
<b>Number of joint outreach and/or engagement with other organisations</b>	Provides insights to assess joint efforts in building partnerships and fostering relationships to achieve common goals.
<b>Extent to which joint KM outputs are taken up by stakeholders</b>	This indicator could be assessed based on: <ul style="list-style-type: none"> <li>- Number or % increase in downloads of joint publications</li> <li>- Number or % increase in participants in joint events</li> </ul>
Outcome Indicators	Detail
<b>Improved Stakeholder Feedback</b>	Assess whether the feedback collected from the bi-annual survey indicates an improvement in stakeholder perceptions, satisfaction, or outcomes related to the TM as a whole
<b>Extent of visibility of the Technology Mechanism in the global sphere</b>	This indicator could be assessed based on: <ul style="list-style-type: none"> <li>- Mentions of the TM in the global media</li> <li>- Qualitative/quantitative data collected by the bi-annual survey</li> </ul>

# Measuring & Evaluation progress – Joint NDE Survey



## Joint NDE Survey in 2020 & 2022

- Conducted bi-annually
- Collect information about **long-term impacts** and **actions taken** after the TEC & CTCN support is provided
- To **strengthen the capacity of the TEC & CTCN to fulfil their mandate** based on experiences, lessons learned and recommendations from NDEs
- **25 questions:** CTCN questions aligned with the PoW & TEC questions aligned with the workstreams of WP
- Survey is distributed through a mass email
- 1<sup>st</sup> survey (2020) → 160 NDEs → 31% response rate
- 2<sup>nd</sup> survey (2022) → 163 NDEs → 28% response rate

## Some lessons learned

- Quality and usefulness of the evaluation of the TM work via a survey depends on the number and quality of responses
- Turnover rate among NDEs may hamper the ability of new NDEs to respond to the NDE survey
- Some NDEs indicated that other climate technology stakeholders in their countries are dealing with the TEC/CTCN work
- Close collaboration between the TEC and CTCN in conducting the NDE survey proved to be beneficial from an efficiency point of view
- Collecting both quantitative and qualitative data helps identify trends and patterns, while also providing greater depth and context



# Measuring & Evaluation progress – Joint NDE Survey



## Next NDE Survey - 2024

- Next NDE Survey to be conducted in 2024
- TEC and CTCN will actively collaborate to develop an improved approach and methodology, which will be presented during the upcoming joint session.
- This effort is being guided by the following factors:
  1. The mandate from COP 27 to *“identifying new ways to invite feedback from NDEs on the impact of the work of the TM such as through more practical and effective surveys.”*
  2. Insights gained from the analysis of the last two surveys
  3. Feedback received from TEC and CTCN AB members in previous joint sessions

## Some reflections

When revising the NDE survey tool (2024) the TEC and CTCN AB may consider:

- Adding question(s) relating to joint work
- Questions need to be of relevance to the NDEs, and should be easy to understand, in order to enhance NDEs ability to give quality answers
- Expanding stakeholder group to other key stakeholders, in addition to NDEs
- Using mixed methods for dissemination (direct email, one on one interviews)
- Possible incentives for NDEs to complete the survey



# Reporting on joint M&E

# Data collection and reporting



## Data collection:

- Integrated in each body's respective M&E systems and data collection processes

## Reporting on joint and common areas of work provided :

- Annually in the joint chapter of the Joint Annual Report of the TEC and the CTCN to the COP and CMA
- During the joint session under agenda item "Matters related to the TEC and CTCN"

## Next steps

TEC and CTCN AB members are invited to **provide guidance on the development of joint indicators** and M&E processes that will complement each bodies' respective M&E system, and taking into consideration potential resource implications.

**Do you agree with the proposed approach** for joint monitoring and reporting on the joint work programme of the Technology Mechanism?

**Do you agree with the proposed indicators** for joint work of the TEC and CTCN?

Do you have recommendations regarding **improvements to the joint TEC-CTCN NDE survey?**



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## Supported by



# Measuring & Evaluation progress – Periodic Assessment of the TM



## Periodic assessment of the TM

## Possible ways this can be addressed jointly

**Are the TEC and CTCN M&E systems suitable for providing inputs to the next periodic assessment?**

Overall, TEC and CTCN M&E systems provided the necessary data and information to report on the first Periodic Assessment Indicators (see annex 1 of the PA). M&E recommendations were made for the TEC and CTCN, respectively, for each body to address.

Furthermore, recommendation 3 of the Periodic Assessment recommends improving:

- The measurement of the impacts of the Technology Mechanism as a whole;
- The assessment of transformational change; and
- Reporting on collaboration between the two bodies.

The Periodic Assessment also notes resource considerations such as:

- Resources are needed for data processing
- Assessing the impacts of CTCN activities in quantitative terms is complex

# Measuring & Evaluation progress – Periodic Assessment of the TM



## Recommendation 3 of the periodic assessment – elements related to M&E

Explore the opportunity of establishing an integrated M&E framework in the context of the forthcoming TEC workplan and CTCN programme of work.

[...] a common system would support the reporting on collaboration between the two bodies and the assessment of transformational change that would take into account the connections between the activities of both bodies.

Although both bodies have already aligned their systems with each other, they could now aim to improve the measurement of the impacts of the Technology Mechanism as a whole.

## Possible ways this can be addressed jointly

TEC and CTCN each have their respective M&E systems to report on their distinct activities.

To monitor joint activities and collaboration efforts between the TEC and CTCN, additional “joint” indicators are proposed.

In addition to efforts undertaken by the TEC and CTCN in their respective M&E systems, a strengthened NDE survey design and approach may be a relatively cost-effective approach to assessing the impact and transformational nature of TM's work.