

Agenda item 7

Monitoring and evaluation of the impacts of the work of the TEC

Technology Executive Committee, 26th meeting and TEC-CTCN Joint session
21-24 March 2023, Songdo, Korea



Mandate

COP 27 and CMA 4 provided guidance to the TEC to continue to enhance its efforts to monitor and evaluate its work

Recommends that the **TEC review its M&E system** in light of the experiences and lessons learned from its implementation – while also noting the absence of impact indicators in the TEC’s M&E system (20/CMA.4, recommendation 3 PATM)

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)

Background

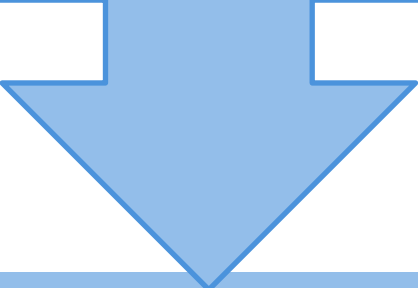
The TEC implemented its M&E system in 2020
Structured according to the 5 themes of the technology framework and aligned with the CTCN M&E system through common high-level outcomes and overall impact

Building blocks of the M&E system:

Theory of Change

Performance Management
Framework (indicators)

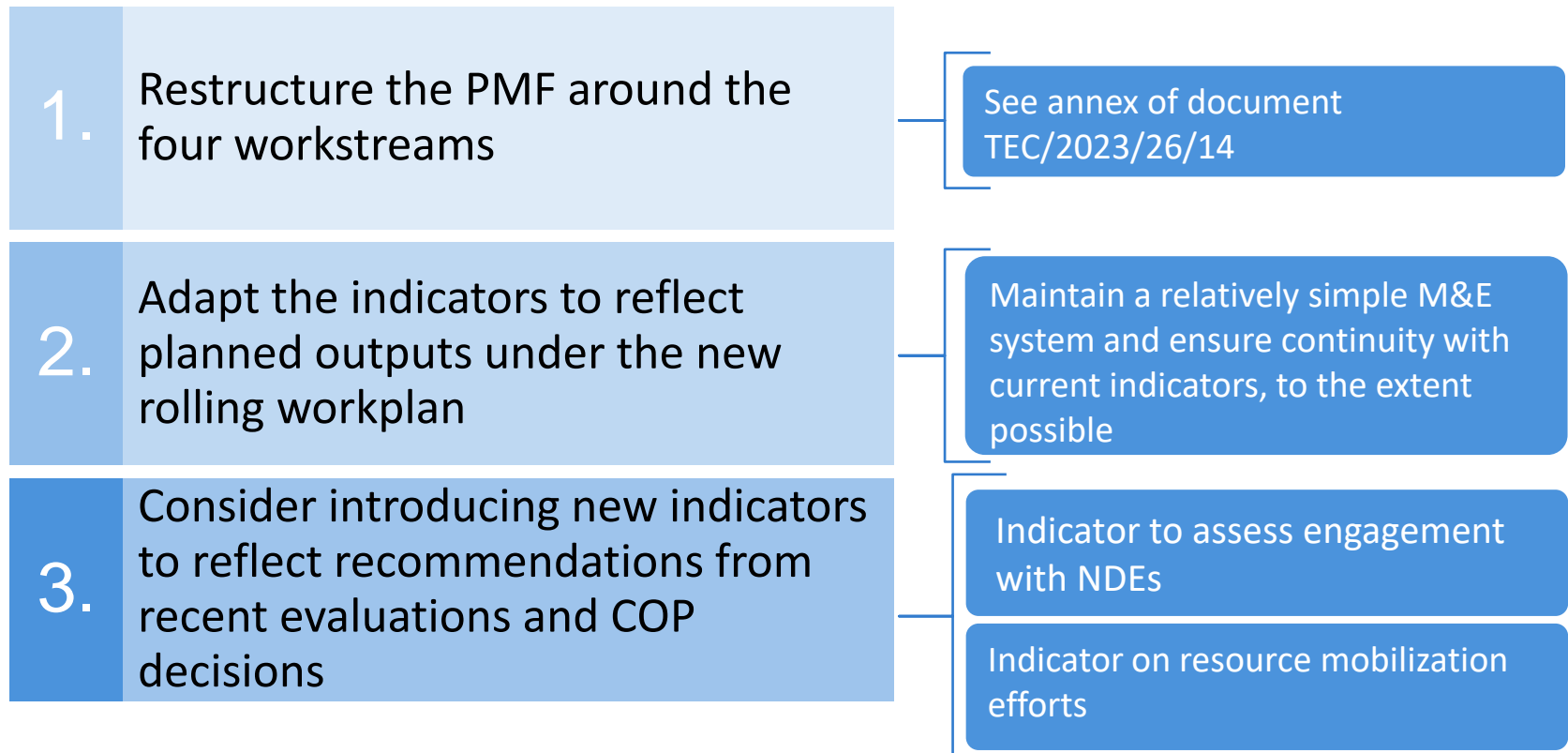
Joint TEC-CTCN NDE Survey
(impact)



TEC rolling work plan for 2023-2027 approved at TEC 25
Structured according to 4 workstreams

Process for revising the M&E system

A. Updating the Performance Management Framework



Process for revising the M&E system

B. Ensuring continued alignment with the technology framework

Activity ID	Activity	Expected outputs/deliverables				
		2023	2024	2025	2026	
A.2. Stimulate climate technology RD&D through partnerships, strengthening the roles of innovators and incubators and accelerators, and the participatory collaborative approaches to RD&D.						
Climate objectives: Cross-cutting						
A.2.1	RD&D: Building on the TEC’s work on collaborative RD&D, analyse the needs for RD&D for high-impact emission-reduction technologies to help countries implement their NDCs and other mitigation strategies, and ensure long-term environmentally sustainable energy supply. Identify ways to increase participation of developing country Parties in collaborative approaches to RD&D.	i. Engagement and consultation with potential partners to define the scope of work, inter alia, during TEC meetings, workshops, events, etc.(8b, 8e, 8g, 20d)		ii. Knowledge product (8b, 16a)		
Incubators and Accelerators: Building on the TEC’s						



The numbers in brackets indicate applicable provision(s) of the Technology Framework

Process for revising the M&E system

C. Maintaining coherence with the CTCN’s M&E system

Table 1

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	

Process for revising the M&E system

D. Improving existing methods of assessing the impacts of the TEC's work

The First periodic assessment of the Technology Mechanism noted:

The absence of impact indicators in the TEC's M&E system

Assessing impacts is complex and requires more sophisticated and resource-intensive M&E system

COP 27 & CMA 4 requested:

That the TEC & CTCN identify new ways to invite feedback from NDEs on the impact of the work of the TM such as through more practical and effective surveys

Considering the above, the TEC may consider continuing to use the NDE survey as a tool to gauge the uptake and impact of the work of the TEC **but...** collaborate with the CTCN to **improve the usefulness and effectiveness of the survey** to enhance response rate and data quality, starting by revising the TEC section of the survey.

Next steps

TEC members are invited to provide guidance on finalising the TEC's M&E system:

Do you agree with the proposed methodology to update the TEC's performance management framework?

Are you in agreement that the suggested approach allows for continued reporting of progress along the five key themes of the technology framework while adjusting to the new workstreams?

TEC members are invited to consider, in upcoming discussions on the joint work programme:

Developing M&E indicators in collaboration with the CTCN for monitoring and reporting on the Joint Work Programme of the Technology Mechanism.

Thank you!

