Framework Convention on Climate Change

TEC/2026/32/17

Technology Executive Committee

31 March 2026

Thirty-second meeting

14–17 April 2026 (17 April 2026 TEC-CTCN Advisory Board Joint session)

Monitoring and evaluation report on the work of the TEC in 2025

Cover note

A. Background

1. The COP and the CMA requested the TEC to carry out monitoring and evaluation (M&E) of its activities, to report on the results and impacts of its work, and to apply its M&E system to improve reporting on outputs and impacts of its work.[1]

2. At TEC 28, the TEC agreed to a revised M&E system, including operational indicators and targets for the implementation of its rolling workplan for 2023-2027.

3. At TEC 29, the TEC requested the secretariat to prepare an annual monitoring and evaluation report on the work of the TEC for consideration at its first meeting of each year, starting with TEC 30, in order to capture the full range of outputs, activities and engagements undertaken during the preceding year.

4. At TEC 30, the TEC took note of the monitoring and evaluation report on the work of the TEC in 2024 and considered findings of its gender focal points on gender indicators and agreed to revise them.

B. Scope of the note

5. The annex to this note contains the monitoring and evaluation report on the work of the TEC in 2025.

C. Expected action by the Technology Executive Committee

6. The TEC will be invited to take note of the report.

[1] Decisions 15/CP.23, 13/CP.24, 14/CP.25, 9/CP.26 and 15/CMA.1.

Annex

Monitoring and evaluation report on the work of the TEC in 2025

I. Key findings

1. In 2025, an increased uptake of TEC knowledge products was observed across the four workstreams of the TEC rolling workplan for 2023-2027.

A. Workstream 1: National Systems of Innovation, Collaborative RD&D, and General Purpose Technologies

2. In 2025, Workstream 1 demonstrated progress in advancing enabling environments for technological innovation and climate solutions. The notable achievement was an increase in stakeholder uptake of TEC policy recommendations and publications compared to the previous year. With 11 documented references across publications in this workstream. A significant share of these references (8 out of 11) focused on the joint *TEC-GEO policy brief Realizing Early Warnings for All: innovation and technology in support of risk-informed climate resilience policy and action*, highlighting its particular relevance and impact. The data from the NDE survey has not been included in this report, as the survey is still ongoing. The results will be incorporated upon its completion. Additionally, the total number of views for publications under Workstream 1 has increased significantly, rising from 1,252 to 6,009 views.From a delivery perspective, TEC produced targeted outputs, including a new set of policy recommendations on *Artificial Intelligence for Climate Action: Advancing Mitigation and Adaptation in Developing Countries* and technical paper on *AI for climate action, including risks and challenges on the use of AI*.

3. Engagement activities were also maintained through two events: “Thematic dialogue on NSI financing” during the TEC 30 meeting; and an event on “AI for climate action forum”, providing platforms for dialogue on innovation financing and AI applications.

B. Workstream 2: Technology Needs Assessments and Technology Planning Tools to support NDC Implementation

4. Progress under Workstream 2 was steady but varied across activities. As there are fewer activities compared to other workstreams, the overall erall use appears lower than in other workstreams. The data from the NDE survey has not been included in this report, as the survey is still ongoing. The results will be incorporated upon its completion. The references to publications went from non in 2023 to 4 in 2025. The total number of views for publications under Workstream 2 has increased significantly from 208 to 3058 views.

5. The TEC produced two practical and relevant publications: *TNA guidebook Technologies for Climate Change Mitigation in Developing Countries: Renewable Energy*, and *A practical guide: how developing countries can be supported for conducting and updating their TNAs*.

6. No dedicated TEC events were organized under this workstream, as the rolling workplan did not foresee it, although members contributed to external UNFCCC events related to TNA.

C. Workstream 3: Transformative and Innovative Solutions

7. The highest increase in stakeholder uptake of TEC recommendations and publications, is in workstream 3. It should be noted that workstream 3 has the most deliverables, therefore there is direct corelation in ranking highest in performance.

8. 15 references were identified across a diverse range of publications. These include topics such as hard-to-abate industries, agrifood systems, and buildings and infrastructure, indicating broad sectoral relevance. The fact that these materials were cited by partners, global platforms (e.g.Global Capacity Building Coalition), and media outlets further underscores their reach and influence. The data from the NDE survey has not been included in this report, as the survey is still ongoing. The results will be incorporated upon its completion. The total number of views for publications under Workstream 2 has increased from 1123 (2024) to 1332 (2025) new views.

9. The TEC also delivered outputs, including key messages and policy recommendations and a policy brief focused on deploying climate technologies in buildings and infrastructure.

10. Engagement with two events on transformative and innovative technological solutions, TEC organized side-events, "Driving Global Uptake of Established Climate Technologies and Solutions for Buildings", and "Technology Day on Transformative Industry" at COP 30.

D. Workstream 4: Collaboration and Engagement with UNFCCC Processes and Constituted Bodies and other UN Agencies

11. Workstream 4 recorded an high increase in the use of TEC knowledge products by partners compared to 2024, though this is attributed to improved tracking methodologies using specific prompts that was used to search for and identify references to TEC publications across various sources, including academic literature and online repositories, that feature TEC materials, and the aggregation of references across workstreams. Nevertheless, the results confirm significant increase in TEC's collaborative reach.

12. TEC played an active role in informing UNFCCC processes, delivering five formal inputs to key mechanisms and bodies, including the inputs to the draft guidance to operating entities of the Financial Mechanism; inputs to the GCF annual meeting; inputs to the Adaptation Committee taskforce on NAP; inputs to Informal Coordination Group (ICG) of the Paris Committee on Capacity-Building; and contributions to the development of the annual Climate Technology Progress Report, including participating as a member of the Steering Committee.

II. Cross-cutting Results

13. In 2025, TEC collaborated with 23 partner organizations and engaged 28 National Designated Entities (NDEs), reflecting a broad and active network supporting implementation of its workplan. Participation in TEC events also increased, with total attendance rising by 3% compared to last year. Total views of UNFCCC Newsroom articles on climate technology-related matters increased by 110% from baseline, however, declined by 35% compated to 2024, decrease is associated to the reduced number of articles in 2025. At the same time, traffic to the TT:Clear[2] website content increased by 32% from baseline and 8% from 2024, suggesting continued demand for TEC's technical knowledge products. Importantly, collaboration remains a key delivery mechanism, with multiple activities

[2] https://unfccc.int/ttclear.

implemented through partnerships, reinforcing TEC's efficient and network-driven approach.

III. Gender Considerations

14. In 2025, the TEC surpassed its 2027 target by including gender considerations in 100% of its key messages and recommendations, while progress adaings baseline is 83%. However, achieving gender balance at TEC events remained a challenge with women representing only 42% of speakers across TEC events. In addition, only 25% of TEC events achieved balanced gender representation among speakers and participants.

IV. TEC Monitoring and Evaluation System

Indicator	Baseline 2023, unless indicated otherwise	Target by 2027	Method/Source/ Definition	Frequency	Technology Framework	2025 Result	Progress Against Baseline
Impact: Facilitation of the transformational change envisioned in the Paris Agreement and its Article 10 paragraph 1.							
Number of policies or strategies developed or improved based on TEC recommendations Number of NDCs that reflect prioritized technologies, including referring to the technology planning tools*	N/A		NDE survey NDCs References to TEC publications	Every five years	Innovation, Implementation,	N/A	
						N/A	

* Impact indicator to be calculated taking into consideration decision 4.CMA/1.

Workstream 1 National Systems of Innovation, Collaborative Research, Development and Demonstration and General Purpose Technologies							
Indicator	**Baseline 2023, unless indicated otherwise**	**Target by 2027**	**Method/Source/ Definition**	**Frequency**	**Technology Framework**	**2025 Result**	**Progress Against Baseline**
Intended result 1: Countries have enhanced enabling environments for technological innovation and innovative climate solutions at different stages of the technology cycle through collaborative approaches							
1. Evidence of stakeholders using TEC policy recommendations and publications on technological innovation and innovative climate solutions (% increase)	6 (2024)	10%	NDE survey	Every two years	Innovation, Implementation, Collaboration, Enabling Environment, Support	n/a	% will be calculated bi annually
	1 (2024)		References in publications			11	
	1252		Total views of TEC publications			6009	
TEC outputs: Policy recommendations, key messages and knowledge products on technological innovation and innovative solutions for climate change are created							
1.1 Number of sets of policy oriented key messages and recommendations (comprising multiple policy recommendations) developed on technological innovation and innovative climate solutions	1	1	TT:CLEAR	Yearly	Innovation, Implementation, Collaboration, Enabling Environment, Support	1	4

1.2 Number of publications (including policy briefs, executive summaries, papers and compilation of good practices) developed on technological innovation and innovative climate solutions	2	11	TT:CLEAR	Yearly		1	5
1.3 Number of events (including workshops and webinars) organised by the TEC on technological innovation and innovative climate solutions	8	5	TT:CLEAR	Yearly		2	12

Workstream 2 Technology needs assessments and technology planning tools to support NDC implementation							
Indicator	**Baseline 2023, unless indicated otherwise**	**Target by 2027**	**Method/ Source/Definition**	**Frequency**	**Technology Framework**	**2025 Result**	**Progress Against Baseline**
Intended result 2: 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 (TNAs, TAPs, long-term technological transition strategies) in national climate plans (NDCs, LET-LEDS and NAPs)							
2. Evidence of stakeholders using TEC policy recommendations and publications on TNA and technology planning tools (% increase)	4 (2024)	10	NDE survey	Every two years	Innovation, Implementation, Collaboration, Enabling Environment, Support	n/a	% will be calculated bi annually
	-		References in publications			4	
	208		Total views of TEC publications			3058	
TEC outputs: Policy recommendations, key messages and knowledge products on technology planning tools and the implementation of their results are created							
2.1 Number of sets of policy oriented key messages and recommendations (comprising multiple policy recommendations) on TNAs and technology planning tools	0	1	TT:CLEAR	Yearly	Innovation, Implementation, Collaboration, Enabling Environment, Support	0	0

2.2 Number of publications (including policy briefs, executive summaries, papers and compilation of good practices) developed on TNAs and technology planning tools	1 (2024)	4	TT:CLEAR	Yearly		2	5
2.3 Number of events (including workshops and webinars) organised by the TEC on TNAs and technology planning tools	1	2	TT:CLEAR	Yearly		0	4

Workstream 3 Transformative and innovative solutions							
Indicator	**Baseline 2023, unless indicated otherwise**	**Target by 2027**	**Method/ Source/Definition**	**Frequency**	**Technology Framework**	**2025 Result**	**Progress Against Baseline**
Intended results 3: Countries have enhanced enabling environments to develop, transfer and deploy transformative and innovative technological solutions in key sectors to implement NDCs in these sectors							
3. Evidence of stakeholders using TEC policy recommendations and publications on transformative and innovative technological solutions in key sectors (% increase)	7 (2024)	10	NDE survey	Every two years	Innovation, Implementation, Collaboration, Enabling Environment	n/a	% will be calculated bi annually
	-		References in publications			15	
	1123 (2024)		Total views of TEC publications			1332	
TEC outputs: Policy recommendations, key messages and knowledge products on transformative and innovative technological solutions in key sectors are created							
3.1 Number of sets of policy oriented key messages and recommendations (comprising multiple policy recommendations) developed on transformative and innovative technological solutions in key sectors	1	1	TT:CLEAR	Yearly	Innovation, Implementation, Collaboration, Enabling Environment	1	4

3.2 Number of publications (including policy briefs, executive summaries, papers and compilation of good practices) developed on transformative and innovative technological solutions in key sectors	0	6	TT:CLEAR	Yearly		1	4
3.3 Number of events (including workshops and webinars) organised by the TEC on transformative and innovative technological solutions in key sectors	1	5	TT:CLEAR	Yearly		2	5

Workstream 4 **Collaboration and engagement with UNFCCC processes and constituted bodies and other UN agencies**							
Indicator	**Baseline 2023, unless indicated otherwise**	**Target by 2027**	**Method/ Source/Definition**	**Frequency**	**Technology Framework**	**2025 Result**	**Progress Against Baseline**
Intended results 4: UN constituted bodies and UN agencies collaborate in promoting climate technology development and transfer							
4. Evidence of other stakeholders using TEC policy recommendations and publications on technology development and transfer (% increase)	2 (2024)	10	GCF, GEF, and SCF annual reports to the COP; Other oganizations using TEC product as a reference	Every two years	Collaboration, Enabling Environment, Support	30 references	% will be calculated bi annually

TEC outputs: Inputs are provided to inform UNFCCC processes, and the work of other UNFCCC bodies and UN agencies and knowledge products are jointly produced.							
4.1 Number of inputs and recommendations provided to inform UNFCCC processes and the work of other UNFCCC bodies and UN agencies	7	34	List of inputs and recommendations to GCF, GEF, SCF and PCCB, as well as inputs into the GST process	Yearly	Collaboration, Enabling Environment, Support	5	18
4.2 Number of joint publications (including policy briefs, executive summaries, papers and compilation of good practices) developed with other UNFCCC bodies and UN agencies	2	6	TT:CLEAR	Yearly		4	10
4.3 Number of joint events (including workshops and webinars) organized with other UNFCCC bodies and UN agencies	7	1	TT:CLEAR	Yearly		6	20

Cross-Cutting							
Indicator	**Baseline 2023, unless indicated otherwise**	**Target by 2027**	**Method/Source/ Definition**	**Frequency**		**2025 Result**	**Progress Against Baseline**
5. Evidence of the reach of the TEC							
5.1 Number of stakeholders engaged in the implementation of the TEC workplan (disaggregated by type of stakeholder)	13	22	List of partners on TEC activities	Every two years		23*	23
5.2 Number of NDEs engaged in TEC activities (includes NDEs participating in TEC events and contributing to TEC knowledge products) (% increase)	35 (2024)	10	Lists of NDE participants to events and NDE contributions to TEC knowledge products	Yearly		28	20% decrease from 2024*
5.3 Number of people who follow TEC events (virtual and in-person) (men, women) (% increase)	495 (2024)	10	Lists of participants	Yearly		509 Male: 58% Female: 42%	3 % increase from 2024
5.4 Google Analytics (pageviews) for the TECs content posted in UNFCCC newsroom (% increase)	7,784	10	Google Analytics	Yearly		16,349	110 % increase from baseline, 35%

* 11 UN agencies, 7 UNFCCC observer constituencies, 1 university; 2 think tanks; 2 governmental organisations.

* Decrease is linked to the data from NDE survey, which is running on 2025.

							decrease from 2024
5.5 Google Analytics (pageviews) for the TEC's content posted on TT:Clear pages (% increase)	72,196	10	Google Analytics	Yearly		95,269	32% increase from baseline, 8 % increase from 2024
5.6 Number of activities of the TEC rolling workplan 2023-2027 implemented through collaboration and partnership support (in kind, pro-bono and grant financing)*	9	16	TT:CLEAR	Yearly		6	15

6. Gender considerations							
Indicator	**Baseline 2023, unless indicated otherwise**	**Targets by 2027**	**Method/Source/ Definition**	**Frequency**		**2025 Result**	**Progress Against Baseline**
6.1 Percentage of policy recommendations containing gender considerations (in %)	50	70	TEC key messages and recommendations	Yearly		100%	83%

6.2 Gender balance in speakers at TEC events (in %)	-	50	TT:CLEAR	Yearly		42% female 58% male	42% female 58% male
6.3 Events in a year that achieved gender balance (in %)	-	100	List of participants	Yearly		12% of events (speakers) 25% of events (participant) *	12% of events (speakers) 25% of events (participant)

* In 2025, only 1 out of 8 events had gender balance in the speakers distribution; and 2 out of 8 events had gender balance in participants.