



**Technology Executive Committee**

30 August 2019

**Nineteenth meeting**

**Bonn, Germany, 16–19 September 2019**

**Draft rolling workplan of the Technology Executive Committee  
for 2019–2022**

**Background note**

**I. Introduction**

**A. Background**

1. The rules of procedure of the Technology Executive Committee (TEC) stipulate that the TEC shall agree on a workplan and that the workplan shall be kept under regular review by the TEC. Since the first year of its operation, the TEC has implemented three rolling workplans: 2012–2013, 2014–2015, and 2016–2018.

2. At TEC18 (March 2019), the TEC Chair and Vice Chair for 2018 presented a proposed approach on developing the new workplan of the TEC. The approach took into account major outcomes of COP25 in Katowice, in particular decision 15/CMA.1 on Technology framework and decision 16/CMA.1 on the Periodic assessment of the Technology Mechanism,<sup>1</sup> various other decisions,<sup>2</sup> as well as other information which maybe relevant in the context of the future work of the TEC, such as findings of the IPCC Special Report on 1.5C and UNFCCC gender action plan.

3. At this meeting, the TEC agreed to structure its new rolling workplan into three workstreams, each contains areas of work reflecting the key themes of the Technology framework, namely: Innovation, Implementation, Enabling environment and capacity-building, Collaboration and stakeholder engagement, Support. The three workstreams of the new workplan are:

- (a) Workstream 1: Mitigation;
- (b) Workstream 2: Adaptation;
- (c) Workstream 3: Cross-cutting.

4. The TEC also agreed that the new rolling workplan will have a four-year period to synchronize with the duration of the programme of work of the CTCN and take account of key milestones in relevant intergovernmental process such as the first Periodic Assessment of the Technology Mechanism (2022) and the first Global Stocktake (2023).

5. Discussions in the plenary and break-out groups at TEC18 (on workstream Adaptation and workstream Mitigation) have resulted in an initial list of activities the TEC envisages it will undertake as part of its new rolling workplan. In addition, the TEC discussed possible outputs or deliverables from these activities, ideas on timelines, stakeholders to engage and types of modalities to implement the activities.

6. The TEC requested the Chair and Vice-Chair for 2019 to finalize the draft TEC rolling workplan for 2019–2022, with the support of the secretariat, taking into account discussions at TEC18, and to prepare a proposal on task forces arrangement to implement its new workplan, for TEC consideration and adoption at TEC19.

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<sup>1</sup> [Decision 15/CMA.1](#), [Decision 16/CMA.1](#).

<sup>2</sup> [SB49 conclusions, COP24 and CMA1 decisions relevant to the work of the TEC and CTCN](#).

7. During the discussions, the TEC also noted that some activities carried-over from previous rolling workplan and recurring/yearly activities<sup>3</sup> responding to mandates from Parties or invitation by other constituted bodies, will continue to be undertaken in this year although the new rolling workplan will only be adopted at TEC19.

## B. Scope of the note

8. This background note presents a draft of rolling workplan of the TEC for 2019–2022, contained in the annex to this document. The draft was prepared by the TEC Chair and Vice-Chair with the support from the secretariat as requested at TEC18. The note also contains a proposal on possible arrangement for the task forces, as well as other modalities for TEC consideration to fully and effectively implement the new rolling workplan.

9. The note does not contain proposals on joint activities of the TEC and CTCN which were discussed during the joint session with the CTCN-AB on 27th March 2019. This proposal is contained in a separate document made available for TEC consideration at this meeting (document TEC/2019/19/11).

## C. Possible action by the Technology Executive Committee

10. At this meeting the TEC will be invited to:

- (a) Consider the draft and agree on the rolling workplan for 2019-2022 contained in the annex;
- (b) Agree on task forces arrangements and other modalities to implement the new rolling workplan.

## II. Development of the draft rolling workplan for 2019–2022

11. Based on outcomes of discussion at TEC 18 and the initial list of activities,<sup>4</sup> the Chair and Vice Chair of the TEC undertook inter-sessional work to develop the draft rolling workplan, which can be summarized as follows:

(a) **Streamlining:** This was done to avoid duplication of proposals, as in several instances the two workstream groups proposed similar or same activities under the same key themes. The exercise also screened off some proposals that, according to mandates and functions, are more suitable for CTCN, for example, enhancing mobilisation of resources through pro-bono and in-kind;

(b) **Alignment with relevant mandates:** When possible, the description of activity and/or its deliverable(s) was aligned with relevant mandates in the Technology Framework and/or COP decisions to ensure that the activity and the output of work are responsive to the guidance of the COP and CMA;

(c) **Indicative timelines:** Indicative timelines were proposed for each activity or each deliverable, based on TEC members' suggestions on criteria for sequencing and prioritization of activities, as discussed at TEC18. For example, activities that were already initiated as part of 2016-2018 workplan and to be finalized in 2019 will continue right in 2019, activities relate to the development of strategy will start in this year, etc. Efforts were also made to distribute the outputs of work across four-year period as evenly as possible. However, even with this step, it is noted that in 2020 and 2021 the workload will be very high;

(d) **Matrix structure combining thematic areas and workstreams:** As a consequence of combining and streamlining proposed activities, the structure of the workplan was revised. The initial draft pre-TEC18 meeting was presented in three tables, each representing three workstreams.

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<sup>3</sup> For example, PSP evaluation, joint work with WIM Excom on technologies for loss and damage in coastal zones, engagement in technical examination processes on Mitigation and Adaptation, inputs to SCF on guidance to operating entities.

<sup>4</sup> Outcomes of TEC break out groups are available in TEC 18 meeting page in [here](#).

The current draft is presented using a matrix structure indicating the relevance of each activity to Adaptation, Mitigation, and Cross-cutting workstreams;

This matrix approach enables the display of:

- (i) the *specific* focus of some activities (e.g. innovative approach for *adaptation* technologies, engagement in the technical examination process on *mitigation*, etc.);
- (ii) activities that by nature encompass *both* mitigation and adaptation elements (e.g. endogenous technologies, TNA related activities, etc.);
- (iii) activities with coverage across key themes in the workstream “Cross-cutting” (e.g. gender, monitoring and evaluation, and communication and outreach).

(e) **Addition of other activity:** This activity was not discussed in the break-out groups, however, as per decision 19/CMA.1 para 24, all constituted bodies were invited by the CMA to prepare synthesis reports on the information relevant to their expertise, to be considered as part of the technical assessment of the Global stocktake in 2021-2022. Other constituted bodies have responded by incorporating this invitation into their workplans. Therefore, it is recommended that the TEC also anticipates this activity in this new workplan.

(f) **Coherence with proposed joint activities of TEC and CTCN:** The development of the proposals for joint activities of the TEC and CTCN was also done inter-sessionally in parallel with the development of the draft TEC rolling workplan, under the guidance of the Chairs and Vice Chairs of the TEC and Advisory Board of CTCN. Efforts were made to ensure that some activities planned for the TEC can feed into - instead of being duplicated - relevant joint activities.

12. It is important to note that while the period for the rolling workplan is set for four years, the TEC will have opportunity to review and update its rolling workplan, as needed, at the beginning of each year in order to incorporate any guidance from SBs, COP and CMA.

### III. Arrangements and modalities to implement the rolling workplan

13. The TEC has been engaging various stakeholders in undertaking its work. For implementing its 2016-2018 rolling workplan, the TEC established six task forces in six thematic areas (Adaptation, Climate technology finance, Emerging and cross-cutting issues, Innovation and RD&D, Mitigation, and TNA). Each task force comprises members whose interest in the issue. The TEC invited participation of representatives from ENGO, BINGO, RINGO, and IGO in the taskforces. Representatives from a total of 21 organizations participated in the six taskforces, engaged directly and provided valuable expertise and contribution to the work of the TEC during the period from 2016–2018. This model of engagement has proven to be useful in delivering the work of the TEC.

14. The TEC also engaged other organizations to participate in the TEC’s events and thematic dialogues where they offered insights and shared their experiences on the topics being discussed. Further, the TEC worked in collaboration with constituted bodies and the operating entities of the Financial Mechanism on specific topics, such as providing inputs to SCF, participating in Adaptation Committee’s taskforce on TEP-Adaptation, joint work with ExCom Loss and Damage, etc. This arrangement also has been useful.

15. Nevertheless, given the increased number of new activities and work of the TEC in the new workplan and limited availability of resources, additional modalities of work may need to be considered. The Technology Framework also calls for more collaboration and engagement with wider stakeholders in the implementation of the work of the TEC and find innovative ways to mobilize resources.

16. In this regard, the TEC may wish to **consider and agree on the task force arrangements and other modalities** to implement the workplan, as follows:

- (a) To establish task forces for all thematic areas indicated in the rolling workplan 2019–2022;
- (b) To invite participation of representatives from observer organisations (ENGO, BINGO, RINGO, and IGO) in each of these task forces;

(c) To collaborate, as appropriate, with other constituted bodies and operating entities of Financial Mechanism on specific topics reflecting areas of common interest indicated in the rolling workplan for 2019–2022;

(d) To immediately launch, after TEC19, an expression of interest process to invite stakeholders and organisations to support or collaborate with the TEC work on specific activity or topic.

## Annex

### Rolling workplan of the Technology Executive Committee for 2019-2022

1. The Technology Executive Committee (TEC) is the policy arm of the Technology Mechanism established by the COP at COP16 in Cancun in 2010. The overall mandates of the TEC include the functions of the TEC, the mandate to further implement the technology transfer framework established under the Convention, the consideration of priority areas, and the promotion of coherence and synergy within the Technology Mechanism.<sup>5</sup> Article 10 of the Paris Agreement mandates the Technology Mechanism to serve the Paris Agreement. At CMA 1 in Katowice, Poland, in 2018, Parties gave further guidance to the TEC and CTCN in the form of Technology Framework under Article 10.4 of the Paris Agreement and Scope and Modalities of the periodic assessment of the Technology Mechanism.<sup>6</sup>
2. In executing these functions and mandates the TEC agrees on activities for certain duration, captured in a rolling workplan. Since its inception, the TEC has developed and implemented three rolling workplans: 2012-2013, 2014-2015, and 2016-2018.
3. The new workplan provides a first opportunity for the TEC to respond to guidance by both COP and CMA in one single workplan. The new workplan will support the implementation of Paris Agreement on technology development and transfer and will continue support enhanced action on technology under the Convention.
4. Noting that some activities are common under various COP and CMA decisions, the TEC worked to ensure that efficiency and effectiveness is achieved through avoiding duplication of activities while still being responsive to specific guidance by each governing body. Further, the TEC considered important to have continuity, clarity and coherence of the workplan activities to maximise impacts of the work of the TEC. Finally, to provide flexibility for organizing and sequencing its activities and to synchronize with the duration of programme of work of the CTCN, a four-year workplan period was selected.
5. In designing this new rolling workplan the TEC also took into consideration the principles of the Technology framework, namely: coherence, coherence, inclusiveness, results-oriented approach, transformational approach and transparency, but more importantly, these principles will also guide the work of the TEC during the implementation of the workplan.
6. Against this background, the rolling workplan of the TEC for 2019-2022 is structured into three workstreams. Each workstream contains areas of work reflecting the key themes of the Technology framework, namely: Innovation, Implementation, Enabling environment and capacity-building, Collaboration and stakeholder engagement, Support. The three workstreams are:
  - (a) Workstream 1: Mitigation;
  - (b) Workstream 2: Adaptation;
  - (c) Workstream 3: Cross-cutting.
7. Each area of work includes a number of activities designed based on mandates from the COP and/or CMA, along with expected deliverables, indicative timelines and potential modalities for engaging stakeholders. A matrix structure indicating the relevance of each activity to Adaptation, Mitigation, and Cross-cutting workstreams is included.

<sup>5</sup> Decision 1/CP.16, paragraphs 121, 119, 120, 127.

<sup>6</sup> Decision 15/CMA.1, decision 16/CMA.1

## A. Innovation

8. Paragraph 6 of the Annex to the decision 15/CMA.1 on Technology framework stipulates that actions and activities under this key theme should accelerate and scale up innovation at different stages of the technology cycle, addressing both adaptation and mitigation in a balanced manner to help countries to build resilience and reduce their emissions, and be undertaken in a manner that enhances the effective participation of developing country Parties, fosters sustainable development and ensures gender responsiveness.

9. To achieve the objective of this thematic area, in this four-year period, the TEC will undertake a number of activities aimed to lay solid ground work in various topics related to innovation, for the TEC to take further in future (see table 1).

**Table 1. Innovation**

Relevant mandates	Activities	Expected outputs/Deliverables				Possible modalities and stakeholders	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
Technology Framework (TF) para 8a, 12e, 16b	1. Building on previous relevant TEC work, explore the setup of <b>National Systems of Innovation</b> in different countries and regions and analyze ways to incentivize innovation of climate technologies			a. compilation of good practices and lessons learned of NSI setup and implementation, including on how top-down policies can be combined with bottom up approach	b. Recommendations on how to incentivize innovation and/or Update of TEC Brief on NSI	- NDEs and policy makers - Collaboration with expert organizations, including IPCC - Engagement of research/academia community, private sector, industry	X	X	
TF 8b, 8e, 8f, 8g, 20b, 20d, 25c	2. Building on previous work on <b>Research Development &amp; Demonstration (RD&amp;D)</b> : - Identify and analyze overview of international RD&D partnerships and initiatives, and approaches for collaborative RD&D available for countries to participate - Compile countries experiences, good practices and lessons learned, on RD&D policies & activities - Recommend potential collaboration between Technology Mechanism and international RD&D partnerships and initiatives		a. Technical paper analyzing international RD&D partnerships and various approaches for collaborative RD&D	b. Compilation of good practices on countries RD&D c. Executive summaries on RD&D for targeted audience d. Recommendations to COP		Collaboration and engagement with IEA, CIGAR, IRENA, CEM, research and academia community  <i>Note: this activity can feed into/ contribute to joint activity TEC-CTCN in the area RD&amp;D</i>	X	X	

Relevant mandates	Activities	Expected outputs/Deliverables				Possible modalities and stakeholders	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
TF 8c, 20b	3. Promote <b>innovative approaches</b> , including through development of scalable business cases, to deploy, disseminate, and scale up of <b>existing and innovative adaptation technologies</b>		a. In-session dialogue/workshop/Technology Day event to discuss innovative approaches for adaptation technologies	b. Policy brief/ Recommendation on innovative approaches		- Enhanced engagement of IPCC, private sector, business, practitioners, community - Promotion of cooperation on adaptation technologies (public-private partnership, SSC and TrC) - Sharing of information to NDEs, policy makers		X	
TF 8c, 8d, 8h, 20b	4. Analyze of key <b>emerging climate technologies</b> , including land use and <b>negative-emission technologies</b> , and identification of their key policy challenges and solutions at the different stages of the technology cycle	a. Engagement / event to seek inputs from various stakeholders	b. Technical paper on potential contribution of key emerging technologies and their key policy challenges and solutions to help achieve Paris goals	c. Policy brief d. Recommendation to COP		- UN organizations, IPCC and other relevant organizations, private sector, academia, policy-makers, NGOs	X	X	

## B. Implementation

10. Paragraph 10 and 11 of the Annex to the decision 15/CMA.1 on Technology framework stipulates that actions and activities under this theme should facilitate the implementation of collaborative technology development and transfer, build on the past and ongoing work of the Technology Mechanism and take into account the role of North–South, South–South, triangular and regional collaboration in facilitating implementation. They also should facilitate the implementation of mitigation and adaptation action identified using planning tools and processes such as nationally determined contributions, long-term low greenhouse gas emission development strategies, technology needs assessments (TNAs), national adaptation plans, technology road maps and other relevant policies, and facilitate overcoming challenges by implementing such action, as appropriate

11. To achieve the objective of this thematic area, in this four-year period, the TEC will undertake a number of activities are aimed to help countries in enhancing the implementation of technology actions identified under TNA process, and in scaling the uptake of existing technological solutions (see table 2).

**Table 2. Implementation**

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
TF 12b, 2016–2018 workplan	1. Continue work on linkages between TNA process and NDC process		a. Paper ( <i>needs to be specified during further discussion</i> )  b. Recommendations to COP			Engagement with relevant actors including NDC partnership and NDC regional dialogues.  <i>Note: this activity can feed into/ contribute to joint activity TEC-CTCN in the area TNA</i>	X	X	
TF 12a, 25c	2. Analyze experiences, lessons learned and good practices in conducting TNAs and implementing their results		a. Paper on good practices	b. Policy brief  c. Recommendations to COP		Engagement with relevant actors including NDEs, private sector, financing community, support providers, etc. <i>Note: this activity can feed into/ contribute to joint activity TEC-CTCN in the area TNA</i>	X	X	
TF 12c	3. Update the TNA guidelines, building on previous work of the TEC, with a view to TNAs leading to enhanced implementation.				Updated TNA guidelines	Organizing a public call for inputs. Engagement with relevant actors including, CTCN, UDP, TNA countries, private sector, etc.	X	X	



Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
TF 8h, 12d, 12e, 20a, 20b	4. Analyze policy and technology options for encouraging <b>behavioral changes</b> - stimulate <b>uptake</b> of existing clean technology solutions, including <b>indigenous knowledge and technologies</b>	Concept note for the TEC to consider and decide on scope of the issues and possible activities (TEC19)				Information/input can be sourced from ICC, UN Global Compact, GIC, YOUTH, research institute, academia, IPCC, WBCSD, CTCN.	X	X	
Decision 13/CP.23, TF 8c, 12e, 16d, 16e, 20c	5. Take forward outcomes of the <b>Technical Examination Process on mitigation</b> and identify way forward and actions to be taken based on the outcomes of the TEMs on mitigation	a. Analysis of outcomes of technical expert meetings on mitigation (TEM-M) in 2019 on topic: off-grid and decentralized energy solutions for smart energy and water use in the agri-food chain  b. Recommendations to COP	a. Analysis of outcomes of TEM-M in 2020 on topic: sustainable low-emission housing and building solutions  b. Recommendations to COP			In consultation with the high-level champions	X		

### C. Enabling environment and capacity-building

12. Paragraph 15 of the Annex to the decision 15/CMA.1 on Technology framework stipulates that actions and activities under this theme should foster the creation and enhancement of an enabling environment, including policy and regulatory environments for technology development and transfer, and strengthen the capacity of countries to effectively address various challenges.

13. To achieve the objective of this thematic area, in this four-year period, the TEC will undertake a number of activities aimed to highlight to countries ways to enable the policy environment and strengthen their capacity in addressing challenges they may face in the context of technology development and transfer, including through the building endogenous capacities and technologies (see table 3).

**Table 3. Enabling Environment and Capacity Building**

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
TF 12e, 16b 2016–2018 workplan	1. Undertake mapping and examine <b>enabling environments and barriers</b> to development and transfer of technologies, building on previous work on such mapping, and previous work of the TEC on adaptation and mitigation technologies		a. Paper	b. Thematic dialogue  c. Policy Brief containing recommendation for enhancement of enabling environments and addressing of barriers to technology development and transfer, including those related to capacity building		CTCN, NDC partnership	X	X	
Decision 1/CP21 TF 16c, 16g, 16h, 16i, 2016–2018 workplan	2. Promote development and enhancement of <b>endogenous capacities and technologies</b> : - Share previous TEC findings on endogenous capacities and technologies and collect feedback from other bodies and stakeholders - Recommend working definition to promote shared understanding of endogenous capacities and technologies - Identify needs, challenges and gaps and enabling environments to promote endogenous capacities and technologies	a. Feedback from other constituted bodies  b. Identified potential collaboration with PCCB (related to needs, challenges and gaps of endogenous capacities and technologies)	c. Recommendations on working definition of endogenous capacities and endogenous technologies	d. Working paper/product in collaboration with PCCB  e. Recommendations to COP		- Engagement with PCCB during PCCB meeting in June - Engagement with AC in the context TEP-A in 2020 - Engagement of NDEs and CTCN (e.g. through regional forums)	X	X	

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
TF 16d, 16e, 12e, 8c	3. Analyze <b>barriers and enablers</b> and identify options for enhancing <b>replicability and scalability</b> of technologies for sustainable transport sector				a. Back-ground paper b. Thematic dialogue	In collaboration with MPGCA, and other expert organizations	X		
TF 16a, 16c	4. Promote awareness on the relationship between <b>gender and technology</b> with a view to enhance the effectiveness of TEC recommendations/policy	Concept note for the TEC to consider and decide on scope of the issues and possible activities (TEC19)				- Engagement of UNFCCC Women and Gender constituency, other relevant UN entities through their Gender Focal points			X

## D. Collaboration and stakeholders engagement

14. Paragraph 18 of the Annex to the decision 15/CMA.1 on Technology framework stipulates that Technology Mechanism shall work in an open and inclusive, including gender-responsive, manner whereby stakeholders are invited to participate and actively engage. Collaboration with and engagement of stakeholders should take place at different stages of the technology cycle.

15. To achieve the objective of this thematic area, in this four-year period, the TEC will undertake a number of activities building from its on-going work, ranging from continuing collaboration with constituted bodies and engaging in relevant Convention processes, and embed the collaboration with various stakeholders in all activities in other thematic areas (see table 4).

**Table 4. Collaboration & Stakeholder Engagement**

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
Decision 15/CP.23, 2016–2018 workplan TF 20d	1. Develop a joint policy brief on <b>technologies</b> for averting, minimizing, and addressing <b>loss and damage in coastal zones</b> , in collaboration with WIM-Excom	a. Expert dialogue (SB50 June 2019)  b. Joint policy brief (COP25)				Engagement of relevant organizations and experts in providing inputs during expert dialogue and drafting of the brief	X	X	
Decision 13/CP.23, TF 12e, 16d, 16e, 20a, 20c, 2016–2018 workplan	2. Engage stakeholders on the identification of options for enhancing replicability and scalability of mature climate technologies, in the context of <b>Technical examination process on Mitigation</b>	a. Co-organization with CTCN of regional technical expert meetings (TEM-M) in 2019, held in conjunction with climate weeks or other regional events  b. TEC members participation in in-session and regional TEM-Ms and provision of inputs on technology issues  c. TEC members engagement in other relevant events	a. Co-organization with CTCN of regional TEM-Ms in 2020, held in conjunction with climate weeks or other regional events  b. TEC members participation in in-session and regional TEM-Ms and provision of inputs on technology issues  c. TEC members engagement in other relevant events			In collaboration with CTCN, with the support of the UNFCCC secretariat, Marrakesh Partnership on Global Climate Action (MPGCA), and other expert organizations <i>Note: this activity is an on-going activity TEC-CTCN in the area Uptake of technologies</i>  Targeted stakeholders: NDEs, domestic policy makers, private sectors, researchers, and other relevant stakeholders	X		

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
Decision 13/CP.23, TF 12e, 16d, 16e, 20a, 2016–2018 workplan	3. Engage and contribute to the work of the Adaptation Committee core working group in the preparation of <b>TEMs on adaptation</b>	Input to the AC on technology issues relevant to TEMs on adaptation	Input to the AC on technology issues relevant to TEMs on adaptation			Adaptation Committee		X	

## E. Support

16. Paragraph 21 and 22 of the Annex to the decision 15/CMA.1 on Technology framework stipulate that support, including financial support, shall be provided to developing country Parties for the implementation of that Article, including for strengthening cooperative action on technology development and transfer at different stages of the technology cycle, with a view to achieving a balance between support for mitigation and adaptation. The understanding of support under this key theme is broader than just financial support, as it may include all aspects of support for the implementation of Article 10 of the Paris Agreement. The support should be provided for all key themes of the technology framework, taking into account the gender perspective and endogenous and indigenous aspects.

17. To achieve the objective of this thematic area, in this four-year period, the TEC will undertake a number of activities aimed to continue the work of the TEC on climate technology financing to assist countries on various recommendations on support related to technology development and transfer (see table 5).

**Table 5. Support**

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
TF 25a, 2016–2018 workplan	1. Continue <b>collaboration with GCF</b> on support for climate technologies, including through continuing work on climate technology incubators and accelerators and participation in GCF annual meeting with UNFCCC constituted bodies to enhance coherence	a. Technical advice on climate technology incubators and accelerators  b. Inputs for the GCF annual meeting	Inputs for the GCF annual meeting	Inputs for the GCF annual meeting	Inputs for the GCF annual meeting	GCF	X	X	
TF 25a, 2016–2018 workplan	2. Update the <b>PSP evaluation</b> report to include experiences and lessons learned from PSP climate technology transfer and finance centers and pilot projects of the fourth replenishment of the GEF	Updated PSP evaluation report				GEF, CTCN, regional development banks	X	X	
TF 25a	3. Follow up relevant recommendations emerging from the updated evaluation of the PSP to enhance the effectiveness of the Technology Mechanism	Proposal on how to address the key messages and relevant recommendations from the updated evaluation of the PSP				CTCN, GEF and regional development banks	X	X	

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
TF 25a, 2016–2018 workplan	4. Provide inputs to <b>SCF</b> on draft guidance for the operating entities of the Financial Mechanism	Inputs to SCF	Inputs to SCF	Inputs to SCF	Inputs to SCF	SCF, GCF, GEF	X	X	
TF 25a, 25c	5. Analyze data related to <b>GCF/GEF</b> projects/programmes portfolio with climate technology components			Paper on experiences and lessons learned from support for climate technologies		Requesting relevant data from GCF, GEF	X	X	
TF 25b	6. Prepare concept note on <b>innovative financing and investment</b> options at different stages of the technology cycle (including private sector)		a. Concept note for the TEC to consider and decide on scope of the issues	b. Technical paper		Regional development banks, private sector	X	X	

## F. Monitoring and evaluation

18. Paragraph 24 and 25 of the Annex to the decision 15/CMA.1 on Technology framework stipulate that monitoring and evaluation of the Technology Mechanism can enhance the effectiveness of the support provided, and that actions should include developing and/or enhancing a system for monitoring and tracking of actions and activities undertaken, and support received, by the Technology Mechanism to implement the technology framework.

19. The monitoring and evaluation is not a separate key theme of the technology framework; however, the TEC considers it important to separate this activity since it is a cross-cutting activity covering all other thematic areas. It also an activity that responds to the request of the COP in COP24. The development of the new monitoring and evaluation system was undertaken in collaboration with the CTCN to ensure coherence of approach in common areas (e.g. non-technical assistance part of the CTCN).

**Table 6. Monitoring and Tracking/Evaluation System**

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
Decision 13/CP.24, TF 25e	1. Develop and implement a consistent and robust <b>Monitoring and Evaluation (M&amp;E) system</b> to report on the activities of the TEC and ensure their contributions to transformational changes envisioned in the Paris Agreement.	a. Monitoring and evaluation system developed, including overall approach, set of monitoring indicators and evaluation criteria, methodology and tools  b. Implementation of M&E system	Implementation of M&E system	Implementation of M&E system	Implementation of M&E system	The M&E system is developed jointly with CTCN			X



## G. Communication & outreach

20. As with monitoring and evaluation system, the communication and outreach is not a key theme of the Technology framework. The TEC considers this area of work is important given the limited reach and resources available to the TEC to communicate and reach its audience and to ensure that its products are understood and reached by key stakeholders. As with M&E, this is also a cross-cutting activity, responding both to COP and CMA guidance. Some communication and outreach activities of the TEC will be undertaken in collaboration with the CTCN to ensure coherent messaging from the Technology Mechanism (see table 7).

**Table 7. Communication & Outreach**

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
TF 16a, Decision 13/CP.24	1. Develop and implement targeted <b>communication and outreach</b> strategy to enhance public awareness on climate technology and transfer to promote the work of TEC	a. Communication and outreach (CO) strategy to implement TEC workplan  b. CO strategy implementation, information materials for targeted activities/groups	CO strategy implementation, information materials for targeted activities/groups, Technology Day	CO strategy implementation, information materials for targeted activities/groups, Technology Day	CO strategy implementation, information materials for targeted activities/groups, Technology Day	CTCN, social media, events, possible Technology Day during mid-year sessions			X

## H. Inputs to inter-governmental processes

21. The COP, by decision 1/CP.23, decided to convene a stocktake on pre-2020 implementation and ambition at COP 24 and at COP 25. The COP also decided that the stocktake will consider, *inter alia*, inputs of the constituted bodies under the Convention and the Kyoto Protocol. Further, the CMA by decision 19/CMA.1 para 24 invites all constituted bodies to prepare synthesis reports on the information relevant to their expertise, to be considered as part of the technical assessment of the Global stocktake in 2021-2022. The TEC will provide inputs to the COP and CMA on these matters (see table 8).

**Table 8. Input to inter-governmental processes**

Relevant mandates	Activities	Outputs/Deliverables				Modalities and/or targeted stakeholder	Workstream		
		2019	2020	2021	2022		Mitigation	Adaptation	Cross-cutting
Decision 1/CP.23, paragraph 18	1. Prepare inputs to the COP 25 stocktake on <b>pre-2020 implementation and ambition</b> in response to invitation from the presidents of COP 24 and COP 25.	Inputs to COP 25					X		
Decision 19/CMA.1 para 24	2. Prepare synthesis reports on the information identified in paragraph 36 of the Decision 19/CMA.1 relevant to technology development and transfer, for the technical assessment of the <b>Global stocktake</b>			Synthesis report	Synthesis report				X