



**Technology Executive Committee**

30 August 2019

**Nineteenth meeting**

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

**Draft joint annual report of the Technology Executive Committee  
and the Climate Technology Centre and Network for 2019**

**Background note**

**I. Introduction**

**A. Background**

1. The Conference of the Parties (COP), by its decision 17/CP.20, paragraph 4, decided that the Technology Executive Committee (TEC) and the Climate Technology Centre and Network (CTCN) shall continue to prepare a joint annual report to the COP, through the subsidiary bodies, on their respective activities and the performance of their respective functions.

2. In response to decision 2/CP.17, paragraph 142, and decision 14/CP.18, paragraph 11, the TEC and the Advisory Board of the CTCN agreed on procedures for preparing the joint annual reports, as recorded in section B of the “Joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network for 2013”.<sup>1</sup>

3. In response to decision 12/CP.21, paragraph 2, and decision 15/CP.22, paragraph 5, the TEC and the Advisory Board of the CTCN agreed on updated procedures for preparing the joint annual reports, including procedure for preparing the joint chapter of their joint annual report to the COP. Such procedures, as contained in Annex I to the “Joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network for 2017”,<sup>2</sup> state the following for preparing the report:

- (a) It should be a single document covering three sections:
  - (i) Joint chapter of the TEC and the CTCN;
  - (ii) Report of the TEC;
  - (iii) Report of the CTCN;
- (b) It should be completed in a timely manner and not exceed the word limit of the UNFCCC, in order to ensure its translation into all six official United Nations (UN) languages;
- (c) The joint chapter of the report will be prepared as follows:
  - (i) The Chair and Vice-Chair of the TEC and the Chair and Vice-Chair of the CTCN Advisory Board will together prepare a draft of the joint chapter, with the support of the secretariat and the CTCN;
  - (ii) Members of the TEC and members of the CTCN Advisory Board will be invited to independently provide their comments on the draft of the joint chapter, either by electronic means or at a meeting of the TEC and a meeting of the Advisory Board, as applicable;
  - (iii) The TEC and the CTCN Advisory Board will endeavour to hold a joint meeting to consider and agree on the final joint chapter;

<sup>1</sup> <https://unfccc.int/resource/docs/2013/sb/eng/01.pdf>

<sup>2</sup> <https://unfccc.int/resource/docs/2017/sb/eng/03.pdf>

(iv) Should the joint chapter not be finalized at a joint meeting, or should there be no joint meeting, the Chair and Vice-Chair of the TEC and the Chair and Vice-Chair of the CTCN Advisory Board will together finalize the joint chapter, taking into account comments provided by members of the TEC and of the CTCN Advisory Board.

4. COP 21 decided that the TEC and the CTCN shall report to the CMA, through the subsidiary bodies, on their activities to support the implementation of the Paris Agreement.<sup>3</sup> CMA 1 took note of the recommendation of the TEC and the CTCN to prepare and submit their joint annual report to both the COP and the CMA.<sup>4</sup>

## **B. Scope of the note**

5. This background note provides an initial draft of the joint annual report of the TEC and the CTCN for 2019, including information on activities and performance of the TEC that occurred before TEC 19.

6. This note does not include the joint chapter of the joint annual report, which will be covered by a separate note,<sup>5</sup> nor does it include the annual report of the CTCN.

## **C. Possible action by the Technology Executive Committee**

7. The TEC will be invited to provide guidance and to mandate the Chair and Vice-Chair of the TEC to finalize the section on annual report of the TEC for 2019.

---

<sup>3</sup> Decision 1/CP.21, para. 68.

<sup>4</sup> Decision 15/CMA.1, para. 4.

<sup>5</sup> TEC/2019/19/15.

## Annex I

### Draft joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network for 2019

#### I. Background

##### A. Mandate

1. COP 16 established the Technology Mechanism, comprising the TEC and the CTCN, to facilitate the implementation of enhanced action on technology development and transfer to support action on mitigation and adaptation in order to achieve the full implementation of the Convention.<sup>1</sup>
2. COP 17 requested the TEC and the CTCN to establish procedures for preparing a joint annual report, and also requested the secretariat to make that joint annual report available for consideration by the COP through the subsidiary bodies.<sup>2</sup> In response, the TEC and the CTCN established procedures for preparing a joint annual report.<sup>3</sup>
3. COP 20 decided that the TEC and the CTCN shall continue to prepare a joint annual report to the COP, through the subsidiary bodies, on their respective activities and the performance of their respective functions.<sup>4</sup>
4. COP 21 invited the TEC and the Advisory Board of the CTCN to update the procedures for preparing the joint chapter of the joint annual report of the TEC and the CTCN,<sup>5</sup> and COP 23 took note of the updated procedures.<sup>6</sup>
5. COP 21 decided that the TEC and the CTCN shall report to the CMA, through the subsidiary bodies, on their activities to support the implementation of the Paris Agreement.<sup>7</sup>
6. COP 23 requested the TEC and the CTCN to include in their joint annual report to the COP, having consulted with the high-level champions thereon, recommendations for Parties and other organizations on ways forward and necessary actions to be taken based on the outcomes of the TEMs.<sup>8</sup>
7. COP 24 encouraged the TEC and the CTCN to:
  - (a) Improve their reporting on challenges and lessons learned in their future joint annual reports, including on their efforts to address the challenges;
  - (b) Continue reporting on the monitoring and evaluation of the impact of their activities and to include information on tracking progress and on methodologies used.<sup>9</sup>
8. CMA 1 adopted the technology framework under Article 10, paragraph 4, of the Paris Agreement<sup>10</sup> and requested the TEC and the CTCN to include information in their joint annual report for 2019 on how they incorporated the guidance contained in the technology framework into their respective workplans and programmes of work as well as on challenges and lessons learned in implementing the technology framework.<sup>11</sup>

---

<sup>1</sup> Decision 1/CP.16, para. 117.

<sup>2</sup> Decision 2/CP.17, paras. 142–143.

<sup>3</sup> FCCC/SB/2013/1, para. 3.

<sup>4</sup> Decision 17/CP.20, para. 4.

<sup>5</sup> Decision 12/CP.21, para. 2.

<sup>6</sup> Decision 15/CP.23, para. 4.

<sup>7</sup> Decision 1/CP.21, para. 68.

<sup>8</sup> Decision 13/CP.23, para. 4.

<sup>9</sup> Decision 13/CP.24, paras. 4 and 7.

<sup>10</sup> Decision 15/CMA.1, annex.

<sup>11</sup> Decision 15/CMA.1, paras. 1, 3(b) and 5.

9. CMA 1 took note of the recommendation of the TEC and the CTCN to prepare and submit their joint annual report to both the COP and the CMA.<sup>12</sup>

## **B. Scope of the report**

10. This joint annual report of the TEC and the CTCN to the COP for 2019 contains:

(a) A joint chapter of the TEC and the CTCN (chapter II);

(b) A chapter on the activities and performance of the TEC in 2019, including key messages for COP 25. It covers the outcomes of the 18<sup>th</sup> and 19<sup>th</sup> meetings and intersessional work of the TEC with the active engagement of nominated experts from relevant international and observer organizations, and provides information on challenges and lessons learned in implementing its mandates and on the monitoring and evaluation of the impacts thereof (chapter III);

(c) A chapter on the activities and performance of the CTCN in 2019, including key messages for COP 25. It covers the outcomes of the 13<sup>th</sup> and 14<sup>th</sup> meetings and intersessional work of the Advisory Board of the CTCN and includes information on challenges and lessons learned in implementing CTCN mandates, and information provided by UNEP on matters regarding its role as the host of the CTC (chapter IV).<sup>13</sup>

## **C. Possible action by the subsidiary bodies**

11. The SBSTA and the SBI may wish to consider the joint annual report of the TEC and the CTCN for 2019 and to recommend a draft decision on the matter for consideration and adoption at COP 25 and CMA 2.

## **II. Joint chapter of the Technology Executive Committee and the Climate Technology Centre and Network**

12. **To be inserted ...**

## **III. Report on the activities and performance of the Technology Executive Committee in 2019**

### **A. Meetings and membership**

13. The TEC convened two meetings in 2019: its 18<sup>th</sup> meeting, from 25 to 27 March in Copenhagen, and its 19<sup>th</sup> meeting, from 16 to 19 September in Bonn.

14. At its 18<sup>th</sup> meeting, the TEC elected Dinara Gershinkova (Russian Federation) as its Chair and Stella Gama (Malawi) as Vice-Chair for 2019. The TEC expressed its appreciation to the outgoing Chair, Claudia Octaviano Villasana (Mexico), for her leadership in enabling the TEC to effectively carry out its work in 2018.

15. A list of the members of the TEC, including the length of their respective terms of office, is available on the UNFCCC website.<sup>14</sup>

16. The meetings of the TEC were webcast live and attended by observers, including representatives of Parties and observer organizations, who actively engaged in addressing the issues under consideration. All meeting documents, presentations, webcasts, lists of participants and reports are available on TT:CLEAR.<sup>15</sup>

---

<sup>12</sup> Decision 15/CMA.1, para. 4.

<sup>13</sup> See decision 14/CP.18, para. 10.

<sup>14</sup> [http://unfccc.int/bodies/election\\_and\\_membership/items/6558.php](http://unfccc.int/bodies/election_and_membership/items/6558.php).

<sup>15</sup> <http://unfccc.int/ttclear/tec/meetings.html>.

## B. Rolling workplan of the Technology Executive Committee for 2019–2022

### 1. Development of the workplan

17. At its 19<sup>th</sup> meeting, following discussions initiated at its 18<sup>th</sup> meeting and taking into consideration input from observers at both meetings, the TEC agreed on its rolling workplan for 2019–2022.<sup>16</sup> The workplan is aimed at ensuring the relevance and effectiveness of the work of the TEC in accordance with its mandate and functions, and spans a four-year period to align with the duration of the programme of work of the CTCN and key milestones in the intergovernmental process, such as the first periodic assessment of the Technology Mechanism, to take place in 2022, and the first global stocktake, to take place in 2023.

18. The workplan incorporates the guidance contained in the technology framework. It comprises three workstreams (mitigation, adaptation and cross-cutting issues) and there are xxx thematic areas of activities, including the key themes of the technology framework (innovation, implementation, enabling environment and capacity-building, collaboration and stakeholder engagement, and support), the work of the TEC on monitoring and evaluating the impacts of its activities, communication and outreach, and inputs to the various processes under the Convention.

19. To complement the work of the TEC and build on synergies with the activities of the CTCN, the workplan includes a list of joint activities to be undertaken in collaboration with the CTCN.<sup>17</sup>

### 2. Implementation of the workplan

20. As per the workplan, in 2019 the TEC undertook substantive work in xxx thematic areas.

21. The TEC continued its intersessional work through thematic task forces to effectively implement its workplan. The TEC task forces' composition and mandate for 2019 are available on TT:CLEAR.<sup>18</sup> The task forces benefited from the participation of nominated experts from international and observer organizations.

22. + place holder for further information to be added resulting from the deliberations at TEC19.

23. The TEC wishes to express its appreciation for the financial contributions provided by Parties as well as for the active participation and support of relevant organizations and other stakeholders, which enabled the TEC to successfully implement its workplan in 2019.

#### (a) Innovation

24. In response to guidance contained in the technology framework, the TEC agreed to incorporate a number of activities in its workplan in the thematic area of innovation. Some of the activities build on previous work undertaken by the TEC in this area, such as its work on national systems of innovation and research, development and demonstration of climate technologies. The activities are scheduled to be initiated in 2020 in close collaboration with the CTCN and other stakeholders. [or to be replaced with information to resulting from the deliberations at TEC19].

#### (b) Implementation

##### (i) Technology needs assessment

25. The TEC initiated the preparation of a paper on experience, lessons learned and good practises in conducting TNAs and implementing their results. The paper focuses on the countries that participated in phases I and II of the global TNA project. + place holder for further information to be added resulting from the deliberations at TEC19.

##### (ii) Behavioural change to stimulate uptake of existing climate technologies

26. The TEC prepared a concept note on policy and technology options for encouraging behavioural change to stimulate the uptake of existing clean technology solutions. + place holder for further information to be added resulting from the deliberations at TEC19.

<sup>16</sup> See [link to new workplan].

<sup>17</sup> See [link to new workplan or joint-activities page].

<sup>18</sup> <http://unfccc.int/ttclear/tec/members.html#Task>.

- (iii) *Recommendations on ways forward and actions to be taken based on the outcomes of the technical expert meetings on mitigation*

27. The TEC prepared recommendations to Parties on ways forward and actions to be taken based on the outcomes of the TEMs on mitigation (see annex XX)<sup>19</sup> taking into account the outcomes of the two regional TEMs organized with the CTCN (see para. 16 above) and in-session TEM at SB 50.

**(c) Enabling environment and capacity-building**

- (i) *Development and enhancement of endogenous capacities and technologies*

28. The TEC continued to consider ways of developing and enhancing endogenous capacities and technologies.<sup>20</sup> In particular, it shared findings from its report *Developing and Enhancing Endogenous Capacities and Technologies: Technology Stakeholders' Perspectives*<sup>21</sup> and collected feedback from other bodies on ways to further promote a shared understanding of endogenous capacities and technologies.

29. + place holder for further information to be added resulting from the deliberations at TEC19.

- (ii) *Gender and technology*

30. In response to the gender action plan adopted at COP 23,<sup>22</sup> the TEC considered mainstreaming a gender perspective in its work.

31. + place holder for further information to be added resulting from the deliberations at TEC19.

**(d) Collaboration and stakeholder engagement**

- (i) *Collaboration with the Executive Committee of the Warsaw International Mechanism*

32. The TEC and the Executive Committee of the Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts held an expert dialogue in conjunction with SB 50 to convene leading experts, practitioners and policymakers to discuss and share information on technologies for coastal zone risk assessment, risk retention, and recovery and rehabilitation, including case studies from different geophysical environmental settings.<sup>23</sup> The results of the dialogue facilitated and were fed into the development of a joint policy brief on technologies for averting, minimizing and addressing loss and damage, including recovery and rehabilitation in coastal zones.

33. + place holder for further information to be added resulting from the deliberations at TEC19.

- (ii) *Technical examination process on mitigation*

34. The TEC stepped up its engagement in the TEP on mitigation.<sup>24</sup> In addition to the regional TEMs on mitigation organized in collaboration with the CTCN referred to in paragraph XX above, the TEC participated in the TEM on mitigation at SB 50 and contributed to the round-table discussion on replicating and upscaling innovation and best practices related to waste-to-energy and circular economy.

- (iii) *Technical expert meetings on adaptation*

35. The TEC continued to engage with and contribute to the work of the Adaptation Committee in relation to the TEMs on adaptation by providing input on the further involvement of the TEC in the TEP on adaptation.

<sup>19</sup> In response to decision 13/CP.23, para. 4.

<sup>20</sup> In response to decision 1/CP.21, para. 66(b).

<sup>21</sup> Available at <https://unfccc.int/ttclear/endogenous/index.html>.

<sup>22</sup> Decision 3/CP.23.

<sup>23</sup> See <https://unfccc.int/topics/adaptation-and-resilience/workstreams/loss-and-damage-ld/workshops-meetings/expert-dialogue-on-technologies-for-averting-minimizing-and-addressing-loss-and-damage-in-coastal#eq-3>.

<sup>24</sup> In response to decision 13/CP.23.

**(e) Support**

36. COP 22 invited the TEC, the CTCN and the operating entities of the Financial Mechanism to provide information on their actions in strengthening the linkages between the Technology Mechanism and the Financial Mechanism in their annual reports to the COP.<sup>25</sup> In response, and taking into account guidance contained in the technology framework, the TEC agreed to incorporate a number of activities in its workplan in the thematic area of support that could strengthen those linkages, notably by enhancing collaboration with the GCF, the GEF and the SCF.

*(i) Collaboration with the Green Climate Fund*

37. The TEC welcomed the information provided by the GCF on its support for climate technologies, including its approach to supporting climate technology incubators and accelerators in consultation with the TEC and the CTCN and other stakeholders.

38. The Vice-Chair of the TEC participated in the 3<sup>rd</sup> annual meeting of the GCF with the constituted bodies under the Convention, which focused on how to enhance pre-2020 ambition and accelerate the implementation of NDCs and NAPs, held in conjunction with COP 24.

39. + place holder for further information to be added resulting from the deliberations at TEC19.

*(ii) Collaboration with the Global Environment Facility*

40. The TEC submitted its report on the updated evaluation of the GEF Poznan strategic programme on technology transfer for consideration at SBI 50.<sup>26</sup> The updated evaluation draws on experience and lessons learned from the Poznan strategic programme climate technology transfer and finance centres and pilot projects of the fourth replenishment of the GEF. SBI 50 considered the report, prepared by the TEC with the aim of enhancing the effectiveness of the Technology Mechanism, and invited the CTCN and the TEC to include in their joint annual report for 2019 information on how they will address the key messages and relevant recommendations contained in the report.

41. + place holder for further information to be added resulting from the deliberations at TEC19.

*(iii) Collaboration with the Standing Committee on Finance*

42. As invited, the TEC provided input to the draft guidance for the operating entities of the Financial Mechanism prepared by the SCF, to be considered at COP 25 and CMA 2. + place holder for further information to be added resulting from the deliberations at TEC19.

**(f) Monitoring and evaluation of impacts**

43. The TEC continued its work to develop a system for monitoring and evaluating the impacts of its activities.<sup>27</sup>

44. Taking into account guidance contained in the technology framework and previous COP's mandated, at its 19<sup>th</sup> meeting the TEC adopted its monitoring and evaluation system, including indicators and methodologies for tracking progress and support received. + place holder for further information to be added resulting from the deliberations at TEC19.

**(g) Communication and outreach**

45. The TEC continued its work to enhance its communication and outreach activities.<sup>28</sup> It held a side event at SB 50 to communicate its plan in responding to guidance in the technology framework and sought feedback on its plan from representatives of NDEs, non-governmental organizations, youth, the women and gender constituency and other stakeholders. To enhance communication and engagement with NDEs, members of the TEC participated in regional NDE forums organized by the CTCN.

46. + place holder for further information to be added resulting from the deliberations at TEC19.

<sup>25</sup> Decision 14/CP.22, para. 9.

<sup>26</sup> As invited in document FCCC/SBI/2019/7.

<sup>27</sup> In response to decision 15/CP.23, para. 5.

<sup>28</sup> In response to decision 15/CP.23, para. 11.

**(h) Inputs to processes under the Convention**

47. In response to an invitation from the COP 24 and 25 Presidencies to submit concise written inputs on its work of relevance to pre-2020 implementation and ambition, the TEC discussed and agreed on those inputs (see annex **XX**).<sup>29</sup>

**C. Challenges and lessons learned**

48. **+ place holder for further information to be added resulting from the deliberations at TEC19.**

**D. Key messages to the Conference of the Parties and the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement**

49. Building on its work carried out in 2019, the TEC wishes to deliver the following key messages to COP 25 and CMA 2, which are also available on TT:CLEAR.<sup>30</sup>

50. **+ place holder for further information to be added resulting from the deliberations at TEC19.**

**IV. Report on the activities and performance of the Climate Technology Centre and Network in 2019**

51. **To be inserted ...**

---

<sup>29</sup> Available at **[link]**.

<sup>30</sup> <http://unfccc.int/ttclear/policies>.



## Annex I

### **Recommendation of the Technology Executive Committee on ways forward and actions to be taken based on the outcomes of the TEMs on mitigation**

52. To be inserted ...

## **Annex II**

### **Inputs of the Technology Executive Committee to the stocktake on pre-2020 implementation and ambition taking place at the twenty-fifth session of the Conference of the Parties**

53. **To be inserted ...**
-