

Thirteenth meeting of the Technology Executive Committee

United Nations Campus (AHH building), Bonn, Germany
6–9 September 2016

Background note

Draft Joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network for 2016

I. Background

A. Mandate

1. The Conference of the Parties (COP), by decision 1/CP.16,¹ established a Technology Mechanism, comprising a Technology Executive Committee (TEC) and a Climate Technology Centre and Network (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.
2. By decision 2/CP.17,² the COP requested the TEC and the CTCN to establish procedures for preparing a joint annual report, and also requested the secretariat to make available such joint annual report for consideration by the COP through its subsidiary bodies. In response to that request, the TEC and the CTCN agreed on procedures for preparing joint annual reports, as described in the “Joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network for 2013”.³
3. The COP, by its decision 17/CP.20,⁴ 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.
4. By decision 12/CP.21,⁵ the COP welcomed the joint annual report of the TEC and the CTCN for 2015. It also 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.

B. Scope of the report

5. This document consists of the joint annual report of the TEC and the CTCN to the COP for 2016, and contains:
 - (a) A joint chapter of the TEC and the CTCN;
 - (b) Information on the activities and performance of the TEC in 2016, including key messages to COP 22. It covers the outcomes of the 12th and 13th meetings and inter-sessional work of the TEC;
 - (c) Information on the activities and performance of the CTCN in 2016, including key messages to COP 22. It also covers the outcomes of the 7th and 8th meetings and inter-sessional

¹ Decision 1/CP.16, paragraph 117.

² Decision 2/CP.17, paragraph 142, 143.

³ FCCC/SB/2013/1, paragraph 3.

⁴ Decision 17/CP.20, paragraph 4.

⁵ Decision 12/CP.21, paragraph 2.



work of the Advisory Board of the CTCN, and includes information provided by the United Nations Environment Programme (UNEP) on matters regarding its role as the host of the Climate Technology Centre.⁶

C. Possible action by the subsidiary bodies

6. The Subsidiary Body for Scientific and Technological Advice (SBSTA) and the Subsidiary Body for Implementation (SBI) may wish to consider the joint annual report of the TEC and the CTCN for 2016 and recommend a draft decision on this matter for consideration and adoption at COP 22.

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

7. *To be inserted ...*

⁶ Decision 14/CP.18, paragraph 10.

III. Report on the activities and performance of the Technology Executive Committee in 2016

A. Organizational matters

1. Membership

Election of the Chair and Vice-Chair

8. The TEC, at its 12th meeting, elected Ms. Duduzile Nhlengethwa-Masina (Swaziland) as the Chair and Mr. Michael Rantil (Sweden) as the Vice-Chair of the TEC for 2016, respectively. The TEC expressed its appreciation to Mr. Kunihiko Shimada and Mr. Gabriel Blanco, as Chair and Vice-Chair for 2015, respectively, for their leadership in enabling the TEC to effectively carry out its work in 2015.

Members of the TEC

9. The list of the members of the TEC, including the length of their respective terms of office, is available on the UNFCCC website.⁷

2. Arrangements for the meetings of the Technology Executive Committee and related events

10. The TEC convened two meetings in 2016: its 12th meeting from 5 to 8 April, and its 13th meeting from 6 to 9 September, both in Bonn, Germany. During its 12th meeting, the TEC held a thematic dialogue on enablers and barriers to South-South cooperation (SSC) on technologies for adaptation.

11. The meetings of the TEC were webcast, enabling live and on-demand coverage of the plenary discussions. The meetings were attended by observers, including Party observers and observer organizations. Observers were invited to express their views on the issues under consideration. The Chairs of the SBSTA and SBI were also invited to participate in TEC12 to provide their insightful thoughts regarding the role of the TEC in supporting technology transfer activities under the Convention and to also solicit inputs and support from the TEC in the organization of the technical examination meetings at SB44. Representatives of the Adaptation Committee (AC), Standing Committee on Finance (SCF), the secretariat of the Green Climate Fund (GCF) and the Global Environment Fund (GEF) also participated in TEC meetings. Meeting documents, presentations made during the meetings, webcast of meetings and meeting reports are available on the technology information clearing house (TT:CLEAR).⁸

B. Development and implementation of the rolling workplan of the Technology Executive Committee for 2016–2018

1. Development of TEC rolling workplan for 2016–2018

12. At its twelfth meeting, following discussions and taking into consideration valuable input from the observers participating in the meeting, the TEC agreed on its “rolling workplan of the Technology Executive Committee for 2016–2018” (rolling workplan).⁹ The rolling workplan aims at ensuring the relevance and effectiveness of the work of the TEC, in accordance with its mandate and functions. The agreed workplan has a three-year period to allow the TEC sufficient time to respond to all requests and undertake its activities effectively and efficiently.

13. To assist the TEC fulfilling its mandates in a more strategic and coherent manner, the activities and work of the TEC under the rolling workplan are organized in three workstreams. These are:

- (a) Workstream 1: Analyse technology issues and provide policy recommendations;
- (b) Workstream 2: Catalyse support and facilitate and promote technology cooperation and partnership to scale up implementation of actions;

⁷ <http://unfccc.int/bodies/election_and_membership/items/6558.php>.

⁸ <http://unfccc.int/ttclear/pages/tec_home.html>.

⁹ <<http://goo.gl/4axRiU>>.

(c) Workstream 3: Work in collaboration with the CTCN to promote coherence and synergy within the Technology Mechanism.

14. The TEC further agreed to undertake its inter-sessional work through thematic task forces to effectively support the implementation of the new rolling workplan. The TEC taskforces again benefit from the participation of experts/representatives nominated from international and observer organizations.¹⁰

15. The TEC recognized that the issue of the development and enhancement of endogenous capacities and technologies, mandated to be undertaken by the TEC in accordance with decision 1/CP.21, paragraph 66(b), cuts across different areas. As such, the TEC agreed that this matter would be taken into consideration in work undertaken by all task forces.

16. The rolling workplan was presented to a broader audience by the Chair of the TEC during a CTCN side event and at a Presidencies stocktaking event during the meeting of the subsidiary bodies in May 2016.

2. Implementation of TEC rolling workplan in 2016

17. As per its rolling workplan, in 2016 the TEC undertook substantive work in six thematic areas: Adaptation, Climate technology financing, Emerging and cross-cutting issues, Innovation and research, development and demonstration, Mitigation, and Technology needs assessments. In addition of these six thematic areas, the TEC also undertook a joint activity with the CTCN in updating the procedures for preparing the joint chapter of the joint annual report to the COP.

18. 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 have helped the TEC to successfully implement its rolling workplan in 2016.

Adaptation

19. The TEC held, as part of TEC 12, a thematic dialogue on enablers and barriers to South–South cooperation on technologies for adaptation.¹¹ The dialogue provided opportunity for participants to deepen the understanding of this topic and to share among countries experiences and lessons learned in South–South cooperation on technologies for adaptation.

20. In 2016, the TEC continued to work further on SSC and triangular cooperation (TrC) on technologies for adaptation. The TEC, together with the CTCN, also began to explore opportunities for collaboration with United Nations Office for South-South Cooperation (UNOSSC) to further promote SSC and TrC. *+ place holder for further information to be added resulting from the deliberations at TEC13.*

21. The TEC will also continue to engage and stand ready to contribute to the work of the AC in the preparation of future technical expert meetings (TEMs) on adaptation. *+ place holder for further information to be added resulting from the deliberations at TEC13.*

Climate technology financing

Linkages between the Technology Mechanism and the Financial Mechanism

22. In response to decision 13/CP.21, paragraph 8, the TEC, CTCN and the operating entities of the Financial Mechanism continued to consult and further elaborate, including through an in-session workshop at SB 44,¹² the linkages between the Technology Mechanism and the Financial Mechanism of the Convention. The outcomes arising from these activities are included in the annex to this report for consideration by COP 22, as requested by COP 21. *+ place holder for further information to be added resulting from the deliberations at TEC13.*

¹⁰ The updated TEC task forces' composition and mandate on TT:CLEAR:

<http://unfccc.int/ttclear/templates/render cms_page?s=TEC_intersewvrk>.

¹¹ <http://unfccc.int/ttclear/templates/render cms_page?s=TEC_TD6>.

¹² <http://unfccc.int/ttclear/templates/render cms_page?s=events_ws_tmfm>.

Collaboration with the Standing Committee on Finance

23. In response to an invitation from the SCF, the TEC provided its inputs to the SCF for draft guidance to the operating entities of the Financial Mechanism.

Contribution to long-term climate finance

24. The TEC provided its inputs to an in-session workshop on long-term climate finance organized at the forty-fourth sessions of the subsidiary bodies, in accordance with decision 5/CP.20.¹³ The workshop focussed on the issues of adaptation finance, needs for support to developing country Parties and cooperation on enhanced enabling environments and support for readiness activities. The inputs of the TEC¹⁴ focussed on assessing and communicating technology needs and how to move from needs assessment to implementation, south-south cooperation for facilitating adaptation technology implementation and lessons learned from the work undertaken by the TEC on facilitating access to climate technology finance and were presented at the workshop.

Emerging and cross-cutting issues

25. The Chair and Vice Chair of the TEC had their first meeting with the Co-Chairs of the Executive Committee of the Warsaw International Mechanism for Loss and Damage (Excom of WIM on Loss and Damage) at the margins of May sessions of the subsidiary bodies. The Chairs introduced each body's work plan and identified preliminary potential collaboration between the two bodies. **+ place holder for further information to be added resulting from the deliberations at TEC13.**

Innovation and research, development and demonstration

26. In response to decision 1/CP.21, paragraph 66(a), the TEC identified activities on climate technology research, development and demonstration (RD&D) as part of its 2016-2018 workplan. As part of these activities, the TEC prepared a concept note on RD&D financing and also considered an RD&D scoping note. **+ place holder for further information to be added resulting from the deliberations at TEC13.**

27. The TEC also continued its work on innovation, building on its work in previous years on national systems of innovation.¹⁵ It considered how innovation can support countries to implement the technology elements of their NDCs and Paris Agreement mid-century strategies. **+ place holder for further information to be added resulting from the deliberations at TEC13.**

28. Furthermore, the TEC decided to continue considering issues related to enabling environments and barriers. As part of its workplan, it agreed to identify policies and strategies to improve enabling environments and address barriers. This will be based on a mapping of TNAs, NDCs and requests submitted to the CTCN. It will undertake this work in 2017 and 2018.

Mitigation

29. In response to decision 1/CP.21, paragraph 111, the TEC invited the Chairs of the SBSTA and SBI and the secretariat to attend the meeting of TEC12 to provide an update on the organization of the TEM in conjunction with SB44 and to exchange views on possible further engagements of the TEC in this technical examination process.

30. TEC 13 considered the findings of a TNA and INDC analyses, together with the CTCN inputs, and identified possible relevant technologies, topics and issues to be addressed in future TEMs on mitigation. **+ place holder for further information to be added resulting from the deliberations at TEC13.**

31. In response to COP decision 1/CP.21, paragraph 109(c), in 2016 the TEC had the opportunity to present its work in two TEMs under the "enhanced action prior to 2020", held during the May sessions of the subsidiary bodies, namely "Social and economic value of carbon" and "Shifting to more efficient public transport and increasing energy efficiency of vehicles". The TEC will continue to engage and contribute to the preparation of future TEMs on mitigation. In addition, the TEC also initiated work on

¹³ <http://unfccc.int/cooperation_support/financial_mechanism/long-term_finance/items/9518.php>.

¹⁴ <<http://goo.gl/mcoAdN>>.

¹⁵ In 2014 the TEC held a workshop on national systems of innovation and in 2015 it produced a TEC Brief on this issue. See: <<http://goo.gl/vjRQML>>.

the analysis of TEP policy options and take these policy options forward to facilitate and support Parties in scaling up the implementation of these options. + place holder for further information to be added resulting from the deliberations at TEC13.

Technology needs assessments

Guidance on the preparation of technology action plans

32. In response to decision 17/CP.20 paragraph 13 and decision 1/CP.21, paragraph 5, the TEC carried out work to provide guidance on how the results of the technology need assessments (TNAs), in particular the technology action plans (TAPs), can be developed into projects that can be ultimately implemented. In early 2016, the TEC finalized in close collaboration with UNEP-DTU and the CTCN the guidance on TAPs and made it available to developing country Parties for informing the process of TNAs.¹⁶ The TEC launched the guidance at a side event held during the May sessions of the subsidiary bodies.

Compilation and synthesis of TNA transport-related information

33. The TEC compiled and synthesized transport-related information in the TNAs and technology action plans of developing countries to inform the technical expert meeting (TEM) on mitigation. Chair presented this information during the TEM on sustainable transport, and introduced the work of the TEC on this issue.

Aligning TNAs with the process to formulate and implement national adaptation plans

34. In response to COP decision 3/CP.21, paragraph 5, the TEC considered, in collaboration with the CTCN, the AC and the Least Developed Countries Expert Group (LEG), how Parties could be helped to align their TNAs with the process to formulate and implement national adaptation plans (NAPs). At TEC 13, the TEC considered a first draft paper, prepared in collaboration with the CTCN, the AC and the LEG on aligning TNAs with the process to formulate and implement NAPs + place holder for further information to be added resulting from the deliberations at TEC13.

Draft methodology on monitoring TNA results

35. The TEC prepared a draft methodology on how to monitor the TNA results, including what such monitoring should include, with a view to showcasing success stories. + place holder for further information to be added resulting from the deliberations at TEC13.

Other

36. In response to decision 12/CP.21, paragraph 2, the Chairs and the Vice Chairs of the TEC and the CTCN AB initiated their joint consideration on updating procedures for preparing the joint chapter of the joint annual report to the COP. + place holder for further information to be added resulting from the deliberations at TEC13.

37. To maintain effective communication and collaboration between the two bodies, the Chairs and Vice-Chairs of the TEC and the Advisory Board of the CTCN continued to attend and actively participate in the meetings of two bodies.

3. Collaboration with institutions and other stakeholders

38. The TEC continued interacting and collaborating with institutions and other stakeholders through various means, including: inviting Party observers and observer organizations to participate in meetings of the TEC; inviting experts to participate in a thematic dialogue; inviting stakeholders to participate in various task forces of the TEC; collaborating and regularly communicating with institutions and other bodies, such as the AC, CTCN, Excom of WIM on Loss and Damage, GCF, GEF, LEG, SCF.

39. The Chair and the Vice Chair of the TEC also participated in other meetings and events, such as: a side event of the Adaptation Committee, a stocktake meeting¹⁷ organised jointly by the Presidency of COP21/CMP11 and the incoming-Presidency of COP22/CMP12, a CTCN side event, the Durban forum on capacity-building, two TEMs on mitigation as well as two TEMs on adaptation.

¹⁶ <<http://goo.gl/upe0xu>>.

¹⁷ <<http://unfccc.int/bodies/apa/items/9632.php>>.

40. In addition, the TEC welcomed the side events that took place in conjunction with its 12th meeting, organized by the Deutsche Gesellschaft für Internationale Zusammenarbeit and the United Nations Environment Programme.

4. Communication and outreach

41. In 2016, the TEC agreed on a communications and outreach strategy, which aims to support and enhance the visibility of the TEC's output in particular for the period of the recent workplan 2016–2018. Consistent with this strategy, the TEC communicated its work and outreached to its key stakeholders in 2016 through various written, oral and electronic means.¹⁸ The TEC also enhanced its use of social media, promoting its events and outputs on Facebook and Twitter using the hashtag #climatetech.

42. Further, the TEC and the CTCN conducted joint communication and outreach activities, including through the work of the knowledge management system of the CTCN and TT:CLEAR, and social media.

43. In addition, to the TEC to enhance its communication and outreach efforts, the secretariat initiated the process of redesigning and upgrading TT:CLEAR.

C. Key messages to the Conference of the Parties

44. Building on the work carried out in 2016, the TEC wishes to deliver key messages to COP 22 as presented below. These key messages are also contained in the annex to this report.

45. *+ place holder for further information to be added resulting from the deliberations at TEC13.*

¹⁸ TEC progress of work on TT:CLEAR: <<http://unfccc.int/ttclear/templates/render cms tabbed?TEC WRK>>.

IV. Report on the activities and performance of the Climate Technology Centre and Network in 2016

46. *To be inserted ...*

Annex**I. Outcomes from the consultations between the TEC, CTCN, GCF and the GEF on linkages between the Technology Mechanism and the Financial Mechanism of the Convention**

1. To be inserted ...

II. Procedures for preparing the joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network to the Conference of the Parties

2. To be inserted ...

III. Key messages of the Technology Executive Committee

3. To be inserted ...

IV. Key messages of the Climate Technology Centre and Network

4. To be inserted ...
