

Fourteenth meeting of the Technology Executive Committee

United Nations Campus (AHH building), Bonn, Germany
28–31 March 2017

Annotations to the provisional agenda

1. Opening of the meeting

1. The Chair of the Technology Executive Committee (TEC) for 2016 will open the 14th meeting of the TEC (TEC 14) on 28 March 2017.

2. Organizational matters

a) Election of the Chair and Vice-Chair of the Technology Executive Committee for 2017

2. **Background:** In accordance with the “Rules of procedure of the Technology Executive Committee” (Rules of procedure), the TEC shall elect annually a Chair and a Vice-Chair from among its members for a term of one year each, with one being a member from an Annex I Party and the other being a member from a non-Annex I Party. The positions of Chair and Vice-Chair shall alternate annually between a member from an Annex I Party and a member from a non-Annex I Party.
3. **Expected action:** The TEC will be invited to elect for 2017 a Chair from Annex I Party members, and a Vice-Chair from non-Annex I Party members. The nominations will be effective with immediate effect, and the newly elected Chair and Vice-Chair for 2017 will be invited to preside the meeting.

b) Adoption of the agenda

4. **Background:** In accordance with the Rules of procedure, the TEC shall, at the beginning of each meeting, adopt the meeting agenda. A draft provisional agenda for TEC 14 was prepared by the TEC Chair and Vice-Chair, with the assistance of the secretariat, and circulated to TEC members for comments prior to the meeting.
5. **Expected action:** The TEC will be invited to adopt the agenda for TEC 14.

TEC/2017/14/1 Provisional agenda for the 14th meeting of the Technology Executive Committee

c) Organization of work

6. **Background:** TEC 14 will be held from 28 to 31 March 2017, scheduled to begin at 14:00 on 28 March. The meeting will be open to attendance by Parties and accredited observer organizations as observers, except where otherwise decided by the TEC. There will be a live webcast of the meeting.
7. A tentative work schedule for the meeting presents the proposed sequence and indicative timeline for the agenda items. The organization of work includes that each TEC task force will be invited during the first day to provide an update on their work carried out since the last TEC meeting.
8. **Expected action:** The TEC will be invited to take note of the proposed organization of the work of the meeting.

TEC/2017/14/3 Tentative work schedule for the 14th meeting of the Technology Executive Committee



d) Membership matters

9. **Background:** At the twenty-second session of the Conference of the Parties (COP 22), the COP elected the following new TEC members¹: Mr. Ayele Anabo (Ethiopia)², Mr. Robert Berloznik (Belgium), Mr. Pedro Borges (Bolivarian Republic of Venezuela)¹, Ms. Stella Gama (Malawi)¹, Mr. Kazem Kashefi (Islamic Republic of Iran), Mr. Ian Lloyd (United States of America), Mr. Naoki Mori (Japan), and Mr. Hugh Sealy (Micronesia). The COP also re-elected for a second term the following members: Mr. Birama Diarra (Mali), Ms. Gabriela Fischerova (Slovakia), Mr. Mareer Mohamed Husny (Maldives), and Ms. Duduzile Nhlengethwa-Masina (Swaziland). Mr. Jürg Grütter (Switzerland) will remain in office until his successor is elected.
10. At TEC 14, all TEC members will be invited to introduce themselves.
11. **Expected action:** The TEC will be invited to take note of the membership status.

3. **Update on relevant meetings, events and initiatives**a) Marrakech climate change conference 2016

12. **Background:** COP 22 was held in Marrakech, Morocco, from 7 to 18 November 2016, along with the forty-fifth sessions of the Subsidiary Body for Scientific and Technological Advice (SBSTA) and the Subsidiary Body for Implementation (SBI), and the second part of the first session of the Ad Hoc Working Group on the Paris Agreement (APA). In addition, the first session of the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement (CMA) was also convened in Marrakech. Technology development and transfer was one of many important issues considered by Parties in Marrakech.
13. At TEC 14, the secretariat will be invited to present a background note on the outcomes of the Marrakech climate change conference on matters relating to technology development and transfer in particular those that are of relevant to the work of the Technology Mechanism. The TEC Chair and Vice-Chair for 2016 will also report on their participations in relevant meetings and events.
14. **Expected action:** The TEC will be invited to take note of the information provided.

TEC/2017/14/4 *Background note on the outcomes of the Marrakech climate change conference*

b) Outlook of the Bonn climate change conference in 2017

15. **Background:** SBSTA 46 and SBI 46 as well as APA 1-3 will be held in Bonn, Germany, from 8 to 18 May 2017.
16. At TEC 14, the secretariat will be invited to provide an overview of the preparation of the Bonn climate change conference May 2017, including events which are of relevance to the work of the TEC.
17. **Expected action:** The TEC will be invited to take note of the information provided.

c) Technology Facilitation Mechanism

18. **Background:** The Technology Facilitation Mechanism (TFM) was launched at the UN Summit in September 2015 with the adoption of the post-2015 development agenda, to support the achievement of the Sustainable Development Goals. The TFM comprises: (a) a UN inter-agency task team on science, technology and innovation for the sustainable development goals; (b) a collaborative annual multi-stakeholder forum on science, technology and innovation (STI) for the sustainable development goals; and (c) an online platform as a gateway for information on existing STI initiatives, mechanisms and programs.
19. At TEC 14, a representative from the United Nations Environment Programme (UNEP), as the co-convenor of the UN inter-agency task team together with UNDESA, will be invited to provide an update

¹ Information on the election and membership of the bodies of the Convention is available at <http://unfccc.int/bodies/election_and_membership/items/6558.php>

² Nomination was pending from COP 21 and officer is deemed elected at COP 21.

on the progress of the TFM that may be of relevance to the work of the UNFCCC Technology Mechanism.

20. **Expected action:** The TEC will be invited to take note of the information provided.

d) Others

21. At TEC 14, TEC members will be invited to share information on their participation in any other meetings, events or initiatives during the intersessional meeting that may be relevant to the work of the TEC.

22. **Expected action:** The TEC will be invited to take note of the information provided.

4. **Matters relating to the Climate Technology Centre and Network**

23. **Background:** The Advisory Board (AB) of the Climate Technology Centre and Network (CTCN) will hold its 9th meeting from 3 to 5 April 2017 in Bonn, Germany.

24. At TEC 14, the Chair of the CTCN-AB and the Director of the CTCN will be invited to provide an update on the preparation for the 9th meeting, as well as on the operations and progress of work of the CTCN, including areas for possible collaboration with the TEC in 2017.

25. **Expected action:** The TEC will be invited to take note of the information provided and exchange views on areas for further collaboration between the TEC and the CTCN that could contribute to enhancing coherent delivery of their activities.

5. **Implementation of the rolling workplan for 2016-2018**

26. At TEC12, the TEC adopted its rolling workplan for 2016-2018³ which covers activities under three work streams in six thematic areas. The TEC also agreed that in implementing its rolling workplan, it will: take into consideration the development and enhancement of endogenous capacities and technologies; strive to enhance the engagement of non-Party stakeholders; and ensure that communications and outreach actions are mainstreamed within the activities of its workplan. The secretariat will be invited to present a brief background and overview of the workplan of the TEC for 2016-2018.

a) Technology needs assessments

27. The secretariat will be invited to present at TEC 14 a brief background information on the country-driven activity and process for conducting and prioritizing technology needs by developing countries including the role and ongoing work of the TEC thus far on this matter.

i. Possible alignment of the technology needs assessment process and the process to formulate and implement national adaptation plans

28. **Background:** In response to COP decision 3/CP.21, paragraph 5, and as per activity 9.1 of its workplan for 2016–2018, the TEC is to consider, in collaboration with the CTCN, the Adaptation Committee (AC) and the Least Developed Countries Expert Group (LEG), how Parties could be helped to align their technology needs assessments (TNAs) with the process to formulate and implement national adaptation plans (NAPs). At TEC 13, the TEC considered the draft paper on aligning TNAs with the process to formulate and implement national adaptation plans (NAPs), and agreed to continue consideration of this matter in 2017.

29. At TEC 14, the secretariat will be invited to provide an updated outline of the paper on aligning technology needs assessments with the process to formulate and implement national adaptation plans.

30. **Expected action:** The TEC will be invited to consider an updated outline of the paper referred to in paragraph 29 above and agree on follow-up activities.

<p>TEC/2017/14/5 <i>Updated outline of the paper on aligning technology needs assessments with the process to formulate and implement national adaptation plans</i></p>

³ <<https://goo.gl/4axRiU>>

ii. Methodology on monitoring the technology needs assessment results

31. **Background:** As per activity 11 of its workplan for 2016–2018, the TEC is to prepare a draft methodology on how to monitor the TNA results, including what methodology such monitoring should include, with a view to highlighting success stories. At TEC 13, the TEC considered an outline of the methodology for monitoring TNA results, and agreed to make the outline a TEC working paper and to initiate the preparation of a draft methodology on monitoring and evaluation of the implementation of TNA results, for further consideration in 2017.
32. At TEC 14, the secretariat with the support of a consultant will be invited to present a draft methodology on monitoring and evaluation of the implementation of TNA results.
33. **Expected action:** The TEC will be invited to consider and agree on the methodology on monitoring and evaluation of the implementation of TNA results, and any appropriate follow-up activities for undertaking such monitoring.

<p>TEC/2017/14/6 <i>Draft methodology on monitoring and evaluation of the implementation of technology needs assessment results</i></p>
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b) Climate technology financing

i. Follow-up activities on climate technology financing

34. **Background:** As per activity 15.2 of its workplan for 2016–2018, the TEC is to consider follow-up activities on climate technology financing following the outcomes of COP 22 on linkages between the Technology Mechanism (TM) and the Financial Mechanism (FM).
35. COP 22 considered the linkages between the TM and the FM taking into consideration the recommendations of the Board of the Green Climate Fund (GCF)⁴ and of the TEC⁵ on this matter and the outcomes of the consultations among the TEC, CTCN, Global Environment Facility and GCF.⁶ In doing so, COP 22, inter alia:
- (a) Encouraged the TEC, the CTCN and the operating entities of the FM to enhance the involvement of relevant stakeholders as they undertake actions to strengthen the linkages between the TM and FM;
- (b) Invited the TEC, the CTCN and the operating entities of the FM to provide information on their actions in strengthening the linkages between the TM and FM in their annual reports to the COP for guidance on further actions if needed.
36. At TEC 14, the task force on climate technology financing will be invited to present possible follow-up activities on climate technology financing.
37. **Expected action:** The TEC will be invited to consider and agree on possible follow-up activities on climate technology financing.

<p>TEC/2017/14/7 <i>Background note on possible follow-up activities on climate technology financing</i></p>

ii. Update of the Poznan strategic programme evaluation report

38. **Background:** In response to the invitation of the SBI 43,⁷ and as per activity 17 of its workplan for 2016–2018, the TEC is to update its evaluation report of the Poznan strategic programme on technology transfer (PSP).⁸ This update will include experiences and lessons learned from the PSP climate technology transfer and finance centres and the pilot projects of the fourth replenishment of the Global Environment Facility.

⁴ FCCC/CP/2016/7/Rev.1 and FCCC/CP/2016/7/Rev.1/Add.1.

⁵ FCCC/CP/2014/6.

⁶ FCCC/SB/2016/1, annex I.

⁷ FCCC/SBI/2015/22, paragraph 79.

⁸ The SBI 40 invited the TEC to evaluate the PSP. As an outcome from this evaluation, the TEC submitted an evaluation report to SBI 43. See document FCCC/SBI/2015/16.

39. At TEC 14, the secretariat will be invited to provide background information on the evaluation of the PSP. In addition, the task force on climate technology financing will be invited to present a draft terms of reference for updating the PSP evaluation report.
40. **Expected action:** The TEC will be invited to exchange views on the possible process for updating the PSP evaluation report and agree on any appropriate follow-up activities by the TEC on this matter.

TEC/2017/14/8 *Background note on the evaluation of the Poznan strategic programme, including draft terms of reference*

c) Technologies for mitigation, including in-session thematic dialogue on industrial energy efficiency and material substitution in carbon intensive sectors

i. Thematic dialogue on industrial energy efficiency and material substitution in carbon intensive sectors

41. **Background:** In response to decision 1/CP.21 paragraph 109(c) and as per activity 6 of its workplan for 2016–2018, the TEC is to take forward the outcomes of the technical examination process (TEP), taking into account the policy options, and identify gaps and replicable best practices or enabling policy conditions. At TEC 13, the TEC agreed to continue its work in the areas of identified gaps, namely industrial energy efficiency and material substitution in carbon-intensive sectors, including financing, training and co-benefit aspects of this sectors. It further requested the task force on mitigation to prepare a technical paper and to hold a thematic dialogue at its first meeting in 2017. As part of TEC 14, the TEC will hold a thematic dialogue on Wednesday 29 March⁹.
42. **Expected action:** The TEC will be invited to consider key findings from the discussions that took place at the dialogue and agree on its further work in this area.

TEC/2017/14/9 *Technical paper on industrial energy efficiency and material substitution in carbon-intensive sectors*

TEC/2017/14/10 *Agenda for the thematic dialogue on industrial energy efficiency and material substitution in carbon intensive sectors*

ii. Inputs for the technical expert meetings on mitigation

43. **Background:** In response to decision 1/CP.21 paragraph 111 and as per activities 5 and 25 of its workplan for 2016–2018, the TEC provided recommendations to the High-Level Champions, the Chairs of Subsidiary Bodies and the secretariat with regard to potential topics for future technical expert meetings (TEMs) on mitigation. In response to decision 1/CP.21 paragraph 109 (c) and as per activity 21 of its workplan for 2016-2018, the TEC is to engage and provide updates during the TEMs on its work related to mitigation on the TEP.
44. At TEC 14, the TEC will consider its engagement and inputs for the TEMs on mitigation in May 2017.
45. **Expected action:** The TEC will be invited to agree on any appropriate follow-up activities with regard to its engagement in the TEMs in May 2017.

d) Technologies for adaptation

i. Further work on South-South cooperation on technologies for adaptation

46. **Background:** The TEC held, as part of TEC 12, a thematic dialogue on enablers and barriers to South-South cooperation on technologies for adaptation.¹⁰
47. As per activity 13 and 22 of its workplan for 2016-2018, the TEC is to further work on South-South cooperation and triangular cooperation on technologies for adaptation.
48. At TEC 13, the TEC agreed: (a) to develop a TEC Brief on South-South cooperation and triangular cooperation on technologies on adaptation; (b) to develop a compilation of good practices on effective information sharing and practical learning from South-South cooperation and triangular cooperation on technologies for adaptation and to highlight the potential enhancement of endogenous capacities; and (c) to further study the potential application of South-South cooperation and triangular

⁹ <http://unfccc.int/ttclear/events/2017_event1>.

¹⁰ <http://unfccc.int/ttclear/events/2016_event1>.

cooperation on adaptation and mitigation technologies to assist countries in implementing their nationally determined contributions (NDCs) and NAPs.

49. At TEC 14, the task force on adaptation will be invited to present the draft TEC Brief and an update on other tasks referred to in paragraph 48 above.
50. **Expected action:** The TEC will be invited to provide guidance on the draft TEC Brief on South-South cooperation and triangular cooperation on technologies for adaptation, with a view to finalizing the Brief after TEC14 and to agree on any appropriate follow-up activities on other tasks referred to in paragraph 48 above.

<i>TEC/2017/14/11 Draft TEC Brief on South-South cooperation and triangular cooperation on technologies for adaptation</i>

ii. Inputs for the technical expert meetings on adaptation

51. As per activity 14 of its workplan for 2016–2018, the TEC is to further engage and contribute to the work of the Adaptation Committee in the preparation of future TEMs on adaptation.
52. The TEC member participating in the technical examination process on adaptation (TEP-A) Working Group will be invited to present an update on the work on TEMs on adaptation scheduled in May 2017 and the engagement of the TEC on this matter.
53. **Expected action:** The TEC will be invited to take note of the update provided and exchange views on further inputs or contributions the TEC could provide to the TEMs-A.

e) Innovation and research, development and demonstration

i. Special event

54. **Background:** As per activities 1 and 19 of its workplan for 2016–2018, the TEC is to organize in 2017 an event on how innovation can support the implementation of the technology elements of NDCs and the Paris Agreement mid-century strategies.
55. At TEC 13, the TEC agreed to hold this event during the Bonn climate change conference in May 2017. It requested the task force on innovation and research, development and demonstration (RD&D) to develop a proposal for the special event for consideration by the TEC at TEC 14.¹¹ In early February 2017, the task force shared with the TEC a draft agenda of the special event.
56. At TEC 14, the task force on innovation and RD&D will be invited to provide an update on the organization of the special event.
57. **Expected action:** The TEC will be invited to consider the task force's update and provide guidance for the preparation of the special event.

<i>TEC/2017/14/12 Draft agenda of the special event on innovation and climate change of the Technology Executive Committee</i>

ii. Technology research, development and demonstration

58. **Background:** In response to activities 3 and 4 of its workplan for 2016–2018, at TEC 13 the TEC requested the task force on innovation and RD&D to develop a technical paper on enhancing climate technology RD&D financing. It agreed to consider this paper at TEC 14.¹²
59. At TEC 14, the task force will be invited to present a draft technical paper on enhancing climate technology RD&D financing.
60. **Expected action:** The TEC will be invited to consider the draft paper and provide guidance to finalize it.

<i>TEC/2017/14/13 Draft technical paper on enhancing climate technology research, development and demonstration financing</i>
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¹¹ TEC/2016/13/20, paragraph 46.

¹² TEC/2016/13/20, paragraph 46.

iii. Mapping enabling environments and barriers

61. **Background:** As per activity 2.1 of its workplan for 2016–2018, the TEC is to map TNAs, NDCs and requests submitted to the CTCN regarding enabling environments and barriers.
62. At TEC 14, the secretariat will be invited to present background information on this task.
63. **Expected action:** The TEC will be invited to provide guidance on a process to undertake this workplan activity.

f) Emerging and cross-cutting issues

64. **Background:** As per activity 18 of its workplan for 2016–2018, the TEC is to engage with the Executive Committee of the Warsaw International Mechanism for Loss and Damage (WIM ExCom) to exchange views and explore areas of common interest relevant to the work of both bodies. At TEC12, the TEC agreed to assign its task force on emerging and cross-cutting issues to consider these matters and requested the Chair and Vice-Chair of the TEC to lead the initial engagement with the WIM ExCom on behalf of the TEC.
65. At TEC 13, the TEC agreed on the importance of further engagement with WIM ExCom to enhance understanding of technologies that reduce or avert loss and damage, and requested its task force on emerging and cross-cutting issues to undertake further work on this matter by: (a) identifying TEC outputs that may be relevant to this collaboration; (b) examining further the information provided by the WIM ExCom and any relevant information resulting from the outcomes of the Marrakech Conference related to loss and damage; and (c) preparing recommendations for entry points for collaboration with the WIM ExCom.
66. At TEC 14, the task force on emerging and cross-cutting issues will be invited to present progress of their work on this matter and recommendations for entry points for collaboration with the WIM ExCom.
67. **Expected action:** The TEC will be invited to consider the recommendations, and provide guidance on further work on this matter

TEC/2017/14/14 Background note on recommendations for entry points for collaboration with the Executive Committee of the Warsaw International Mechanism for Loss and Damage associated with the Climate Change Impacts

6. **Updated procedures for preparing the joint chapter of the joint annual report**

68. **Background:** The COP, by decision 12/CP.21, paragraph 2, invited the TEC and the CTCN-AB to update the procedures for preparing the joint chapter of their joint annual report.
69. As per activity 26.1 of its workplan for 2016-2018, at TEC 13 the TEC Chair and Vice-Chair presented a proposal of updated procedures for consideration by the TEC, based on consultations with the Chair and Vice Chair of the CTCN-AB. The TEC considered the updated procedures and requested the Chair and Vice-Chair of the TEC to continue their consultations with the Chair and Vice-Chair of the CTCN-AB on this matter.
70. The COP, by decision 15/CP.22, paragraph 5, encouraged the TEC and CTCN-AB to continue updating the procedures for preparing the joint chapter of their joint annual report in accordance with decision 12/CP.21, paragraph 2, and to report on the outcome of this work in their joint annual report to the Conference of the Parties at its twenty-third session (November 2017);
71. At TEC 14, the TEC Chair and Vice-Chair will be invited to inform the TEC of the outcomes of their further consultations with the Chair and Vice-Chair of the CTCN-AB on the updated procedures.
72. **Expected action:** The TEC will be invited to consider the information provided by the Chair and Vice Chair of the TEC and agree on the updated procedures.

TEC/2016/13/19 Background note on updated procedures for preparing the joint chapter of the joint annual report of the Technology Executive Committee and the Climate Technology Centre and Network

7. Possible approaches for preparing the report of the Technology Executive Committee and the Climate Technology Centre and Network to the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement

73. **Background:** The COP, by decision 1/CP.21, paragraph 69, 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 Agreement. As per activity 26.2 of its workplan, the TEC is to undertake work with the CTCN to agree on ways of reporting to the CMA. At TEC 13, due to time constraints, the TEC agreed to defer its consideration on this matter to a future TEC meeting.
74. At TEC14, the secretariat will be invited to present possible approaches for preparing such annual report to the CMA for consideration by the TEC, taking into account existing procedures for preparing the joint annual report of the TEC and the CTCN to the COP.
75. **Expected action:** The TEC will be invited to consider these approaches suggested by the secretariat and agree on any appropriate follow-up activities with a view to finalizing its procedure for preparing such report at TEC15.

8. Communication and outreach activities

76. **Background:** At TEC 12, the TEC agreed on a communications and outreach strategy.¹³ This strategy aims to enhance the visibility of the TEC's output, in particular for the period of its workplan for 2016-2018.
77. At TEC 14, the secretariat will be invited to update the TEC on recent outreach activities, including the secretariat's work to update the UNFCCC climate technology website, TT:CLEAR.¹⁴
78. **Expected action:** The TEC will be invited to take note of the information provided.

9. Date and venue of the next meeting

79. **Background:** In accordance with the Rules of procedure, the TEC shall meet at least twice a year, resources permitting. Additional meetings may be organized as necessary to enable it to discharge its responsibilities.
80. At TEC 14, the TEC Chair and Vice-Chair will be invited to present a provisional meeting date for TEC 15.
81. **Expected action:** The TEC will be invited to take note of the date for TEC 15.

10. Other matters

82. At TEC 14, TEC members and observers will be invited to raise any other matters.
83. **Expected action:** The TEC may wish to consider any other matters raised and agree on any follow-up activities, as appropriate.

11. Closure of the meeting

84. The TEC Chair will be invited to recap the key outcomes of the meeting, and close the meeting.

¹³ <<https://goo.gl/m8Lu7v>>.

¹⁴ <<http://www.unfccc.int/ttclear>>