



Technology Executive Committee

24 August 2021

Twenty-third meeting

Virtual meeting, 7-10 September and 13 September 2021 (TEC-CTCN Joint session)

## Annotations to the provisional agenda

### 1. Opening of the meeting

1. The Chair of the Technology Executive Committee (TEC) will open the 23<sup>rd</sup> meeting of the TEC (TEC23) on 7 September 2021 at 14.00 CEST.

### 2. Organizational matters

#### (a) Adoption of the agenda

2. **Background:** In accordance with the “Rules of procedure of the Technology Executive Committee”,<sup>1</sup> the TEC shall, at the beginning of each meeting, adopt the meeting agenda. A draft provisional agenda for TEC 23 was prepared by the TEC Chair and Vice-Chair for 2021, with the assistance of the secretariat, and was circulated to TEC members for comments prior to the meeting.<sup>2</sup>
3. **Expected action:** The TEC will be invited to adopt the agenda for TEC 23.

TEC/2021/23/1	<i>Provisional agenda for the 23<sup>rd</sup> meeting of the Technology Executive Committee</i>
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#### (b) Organization of work

4. **Background:** TEC 23 will be held virtually from 7 to 10 September 2021 and will be convened from 14.00 to 17.00 CEST each day. The meeting will be open to attendance by Parties, observer States and accredited observer organizations as observers, except where otherwise decided by the TEC. There will be a live webcast of the meeting. On 13 September 2021, the TEC and the CTCN Advisory Board will convene a joint session to consider joint activities.
5. A tentative work schedule for the meeting presents the proposed sequence and indicative timeline for the agenda items.
6. **Expected action:** The TEC will be invited to take note of the proposed organization of the work of the meeting.

TEC/2021/23/3	<i>Tentative work schedule for the 23<sup>rd</sup> meeting of the Technology Executive Committee</i>
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### 3. Update on relevant meetings, events and initiatives

7. **Background:** At TEC 23, the secretariat will be invited to provide an overview of the preparation of the climate change conference in Glasgow which are of relevance to the work of the TEC.
8. **Expected action:** The TEC will be invited to take note of the information provided.

<sup>1</sup> Available at <https://bit.ly/32cDt90>.

<sup>2</sup> All documents prepared for TEC 23 are accessible at <http://unfccc.int/tclear/tec/meetings.html>.

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

##### (a) Innovation

###### i. National systems of Innovation

9. **Background:** As per activity 1 of the thematic area Innovation of its workplan for 2019–2022, the TEC is to develop an initial concept on the compilation of good practices and lessons learned of setup and implementation of National systems of Innovation (NSI).
10. At TEC 23, the taskforce on Innovation, with the support of the secretariat, will be invited to present an initial concept on the compilation of good practices and lessons learned of NSI setup and implementation.
11. **Expected action:** The TEC will be invited to consider the initial concept and provide guidance on further work on this matter.

TEC/2021/23/4 *Concept note on compilation of good practices and lessons learned of setup and implementation of National System of Innovation*

###### ii. Emerging climate technologies

12. **Background:** As per activity 2 of the thematic area Innovation of its workplan 2019–2022, the TEC is to analyse key emerging climate technologies. At TEC 22, the TEC considered a concept note on future work of the TEC on emerging climate technologies in the energy supply sector, including the preparation of a technical paper and the organization of thematic dialogues.
13. The taskforce on innovation, with the support of the secretariat, prepared a draft technical paper on the topic and organized three below dialogues virtually in conjunction with the Asia Pacific Climate Week on 6–9 July 2021:
  - (a) The panel discussion: Innovation and emerging technologies for Sustainable Energy, held in in collaboration with UNEP;
  - (b) The deep dive session: Harnessing ocean potential and securing sustainable energy access in the Asia-Pacific, held in collaboration with IRENA;
  - (c) The deep dive session: Unlocking green hydrogen’s potential in the Asia-Pacific, held in in collaboration with the High-level Climate Champions.<sup>3</sup>
14. At TEC 23, the taskforce on innovation, with the support from the secretariat and the consultant, will be invited to present the draft technical paper on emerging climate technologies in the energy supply sector and to orally report on the thematic dialogues.
15. **Expected action:** The TEC will be invited to
  - (a) Take note of the report on the thematic dialogues;
  - (b) Consider the draft technical paper and provide guidance to the innovation taskforce with a view to finalizing the paper after TEC23.

TEC/2021/23/5 *Draft technical paper on emerging climate technologies in the energy supply sector*

###### iii. Key messages and recommendations to Parties on international collaborative research, development and demonstration

16. **Background:** As per activity 2 of the thematic area Innovation of its workplan 2019–2022, the TEC produced a compilation of good practices and lessons learned on international collaborative research, development and demonstration (RD&D) initiatives of climate technology and RD&D executive summaries for targeted audience.<sup>4</sup>

<sup>3</sup> [https://unfccc.int/ttclear/events/2021/2021\\_event03](https://unfccc.int/ttclear/events/2021/2021_event03)

<sup>4</sup> <https://unfccc.int/ttclear/tec/rdandr>.

17. On the basis of these publications, the TEC task force on Innovation developed draft key messages and recommendations to COP 26 and CMA 3.
18. At TEC 23, the task force on Innovation will be invited to present these draft key messages and recommendations.
19. **Expected action:** The TEC will be invited to consider and agree on these key messages and recommendations.

*TEC/2021/23/6 Draft key messages and recommendations to COP and CMA on international collaborative research, development and demonstration*

iv. Innovative approaches for adaptation technologies

20. **Background:** As per activity 3 of the thematic area Innovation of its workplan 2019-2022, the TEC is to promote innovative approaches to deploy, disseminate and scale up adaptation technologies through the organization of Technology Day. At TEC 22, the TEC took note of the summary of the first thematic session of the Technology Day and considered the concept note on the second thematic session planned to be organised in collaboration with NWP expert group on ocean, IUCN, FEBA and requested the taskforce on innovation to continue guiding the preparation of the event intersessionally.
21. At TEC 23, the taskforce on innovation with the support of the secretariat and a representative of the IUCN, will be invited to provide oral report of the Technology Day event on innovative approaches to strengthening coastal and ocean adaptation organised during the IUCN World Conservation Congress on 6 September 2021.
22. **Expected action:** The TEC will be invited to take note of the report on the Technology Day event and provide guidance on any follow-up action as appropriate.

(b) **Implementation**

i. Linkages between Technology Need Assessment process and Nationally Determined Contribution process

23. **Background:** As per activity 1 of the thematic area Implementation of its workplan 2019-2022, the TEC is to continue working on linkages between the TNA and NDC processes. At TEC 22, the task force on implementation presented a draft concept note on a paper on linkages between the TNA and NDC processes. The TEC welcomed the draft concept note and requested the task force to start work on the paper, on the basis of the concept note, with a view to finalizing the paper at TEC 23.
24. At TEC 23 the task force on implementation, with the assistance of the secretariat and a consultant will be invited to present a paper on linkages between the technology needs assessment process and the nationally determined contribution process.
25. **Expected action:** The TEC will be invited to consider and agree on the paper and its key findings.

*TEC/2021/23/7 Paper on linkages between the technology needs assessment process and the nationally determined contribution process.*

ii. Key messages and recommendations to Parties on innovative approaches to stimulate the uptake of existing climate technology solutions

26. **Background:** As per activity 4 of the thematic area Implementation of its workplan 2019-2022, the TEC is to identify innovative approaches to stimulate the uptake of existing climate technology solutions. As part of this activity, the TEC published a publication on “Innovative approaches to accelerating and scaling up climate technology implementation for mitigation and adaptation”<sup>5</sup> and a policy brief on “Innovative approaches to accelerating and scaling up implementation of mature climate technologies”.<sup>6</sup>

<sup>5</sup> <https://unfccc.int/ttclear/tec/innovativeapproaches>.

<sup>6</sup> <https://unfccc.int/ttclear/tec/brief14.html>.

27. On the basis of this policy brief, the TEC task force on Implementation developed draft key messages and recommendations to COP 26 and CMA 3.
28. At TEC 23, the task force on Implementation will be invited to present these draft key messages and recommendations.
29. **Expected action:** The TEC will be invited to consider and agree on these key messages and recommendations.

*TEC/2021/23/8 Draft key messages and recommendations to COP and CMA on innovative approaches to stimulate the uptake of existing climate technology solutions*

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

- i. Enabling environments to incentivize the private and public sector in the development and transfer of technologies
  30. **Background:** As per activity 1 of the thematic area Enabling environment and capacity-building of its workplan 2019-2022, the TEC is to examine enabling environments, including challenges and opportunities to incentivize public and private sector in the development and transfer of technologies, building on previous work of the TEC. At TEC 22, the TEC welcomed the draft paper and requested the task force to continue working on the paper and to incorporate relevant information from the TNAs submitted in 2021.
  31. At TEC 23, the task force on enabling environment and capacity-building, with the assistance of the secretariat and a consultant, will be invited to present a final version of the paper on enabling environments and challenges, including barriers, related to technology development and transfer, based on TNAs, NDCs, CTCN technical assistance and relevant TEC Briefs.
  32. **Expected action:** The TEC will be invited to consider and agree on the paper and its key findings.

*TEC/2021/23/9 Paper on enabling environments and challenges to technology development and transfer identified in TNAs, NDCs and CTCN technical assistance.*

- ii. Key messages and recommendations to Parties on enabling environment to promote endogenous capacities and technologies
  33. **Background:** As per activity 2 of the thematic area Enabling environment and capacity-building of its workplan 2019-2022, the TEC is to identify and analyse needs, challenges, and gaps and enabling environments to promote endogenous capacities and technologies. At TEC 22, the TEC requested the taskforce on enabling environment and capacity-building to finalize the report on needs, gaps, challenges, enablers and measures in developing and enhancing endogenous capacities and technologies, taking into account comments made by members at the meeting. The report has been finalized and subsequently published.<sup>7</sup>
  34. On the basis of this report, the taskforce has developed draft key messages and recommendations to the COP and CMA. At TEC23, the taskforce will be invited to present these draft key messages and recommendations.
  35. **Expected action:** The TEC will be invited to consider and agree on these key messages and recommendations.

*TEC/2021/23/10 Draft key messages and recommendations to COP and CMA on enabling environments to promote endogenous capacities and technologies*

(d) **Collaboration and Stakeholder Engagement**

- i. Reflection on TEC engagement on technical examination processes 2016–2020
  36. **Background:** The TEC has engaged in the technical examination process on mitigation and adaptation during the period of 2016–2020. The engagement ranged from providing inputs to the Adaptation Committee, High-level Champions and Parties, convening regional

<sup>7</sup> <https://unfccc.int/ttclear/endogenous/index.html>.

technical expert meetings in conjunction with the regional climate weeks on various mitigation topics from circular economy, waste-to-energy to climate-smart cooling, and preparing recommendations to Parties on policies to accelerate the implementation of technology solutions in these areas. In doing so, the TEC has mobilized the engagement of the Marrakech Partnership on Global Climate Action network members, the CTCN network, UNFCCC regional collaboration centres, international organizations, representatives from the regions, representatives of observer organizations and other key stakeholders.

37. Through its work in other thematic areas, the TEC also engaged and collaborated with many stakeholders and organizations. At TEC 23 the TEC will be invited to reflect on its engagement and collaboration with stakeholders through the pre-2020 technical examination processes and other thematic areas.
38. **Expected action:** The TEC will be invited to consider how to strengthen their collaboration and engagement with other stakeholders and provide further guidance to the task force on Collaboration and Stakeholder engagement on this matter.

(e) **Support**

i. Experiences, lessons learned and good practices from GCF and GEF's support for technology

39. **Background:** As per activity 5 of the thematic area of Support of its workplan for 2019–2022, the TEC is to undertake an analysis of the experiences, lessons learned and good practices from GCF/GEF's support for technology, with a view to enhancing collaboration with the Financial Mechanism.
40. At TEC 22, the TEC considered a concept note, prepared by the task force on Support, on experiences and lessons learned from support for climate technologies provided by the operating entities of the Financial Mechanism and provided guidance to the task force for preparing the technical paper.
41. At TEC 23, the taskforce on Support, with the support from the secretariat and a consultant, will be invited to present the draft technical paper on experiences and lessons learned from support for climate technologies provided by the operating entities of the Financial Mechanism.
42. **Expected action:** The TEC will be invited to consider the draft technical paper and provide guidance to the Support taskforce for further improvement and finalization of the technical paper after TEC 23.

*TEC/2021/23/11 Draft technical paper on experiences and lessons learned from support for climate technologies provided by the operating entities of the Financial Mechanism*

ii. Inputs to the Standing Committee on Finance (SCF) on draft guidance for the operating entities of the Financial Mechanism

43. **Background:** As per activity 4 of the thematic area of Support of its workplan for 2019–2022, the TEC is to provide inputs to the SCF on draft guidance for the operating entities of the Financial Mechanism.
44. In its invitation to the TEC, the SCF further elaborated on the scope, format, and timing of the inputs to be provided and how these inputs will be processed. In doing so, it highlighted that the annual reports of the GCF and the GEF should form the basis for the inputs to be provided by the TEC.
45. At TEC 23, the task force on Support will be invited to present draft inputs from the TEC to be incorporated into the draft guidance for the operating entities of the Financial Mechanism prepared by the SCF.
46. **Expected action:** The TEC will be invited to consider and agree on the TEC's inputs on draft guidance for the operating entities of the Financial Mechanism.

*TEC/2021/23/12 Draft inputs on draft guidance for the operating entities of the Financial Mechanism*

<i>FCCC/CP/2020/5</i>	<i>Report of the Green Climate Fund to the Conference of the Parties. Note by the secretariat</i>
<i>FCCC/CP/2020/1</i>	<i>Report of the Global Environment Facility to the Conference of the Parties. Note by the secretariat</i>
<i>FCCC/CP/2021/x</i>	<i>Report of the Global Environment Facility to the Conference of the Parties. Note by the secretariat</i>

## 5. Input to UNFCCC Processes

### (a) Inputs of the TEC for the global stocktake under the Paris Agreement on matters related to climate technology development and transfer

47. **Background:** As per activity 1 under the thematic area of Inputs to UNFCCC process of its workplan for 2019–2022, the TEC is to consider scope and sources of inputs of the TEC for the Global stocktake on matters related to climate technology development and transfer, taking into consideration guidance by the Chairs of the subsidiary bodies.
48. At TEC 21, the TEC requested its Chair and Vice-Chair, with the support of the secretariat, to undertake intersessional work to elaborate the scope and sources of input for TEC reports to the global stocktake process and present it for consideration at TEC 22.
49. At TEC 22, the TEC agreed to take into account the approaches of other constituted bodies when preparing its own input for the technical phase of the global stocktake, including to consider the guiding questions to be issued by the Chairs of the subsidiary bodies at TEC 23.
50. At TEC 23, the Chair and Vice-Chair, with the support of the secretariat, will be invited to present the concept note on scope and sources of inputs for the global stocktake on matters related to climate technology development and transfer.
51. **Expected action:** The TEC will be invited to consider the concept note and provide guidance on this matter.

<i>TEC/2021/23/13</i>	<i>Draft concept note on scope and sources of inputs for the global stocktake on matters related to climate technology development and transfer</i>
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## 6. Gender mainstreaming

52. **Background:** As per the TEC rolling workplan for 2019-2022, the TEC is to integrate gender consideration into all activities of the rolling workplan. At TEC 22, the TEC took note of the report by its gender focal points (GFPs) on the progress in mainstreaming gender in the work of the TEC. It also took note that gender is still not taken account into TEC's work sufficiently and acknowledged that more must be done in this regard.
53. At TEC 23, the GFPs with the support of secretariat will be invited to report on the progress of gender mainstreaming within TEC's work.
54. **Expected action:** The TEC will be invited to take note of the report of the gender focal points and provide further guidance on this matter.

## 7. Monitoring and evaluation of the impacts of the work of the Technology Executive Committee

55. **Background:** In response to decision 13/CP.24 and decision 15/CMA.1,<sup>8</sup> the TEC developed a monitoring and evaluation system (hereinafter referred to as the M&E system) to monitor and evaluate impacts of activities implemented under its rolling workplan. The system was developed in collaboration with the CTCN to ensure coherence of approach within the

<sup>8</sup> Decision 15/CMA.1, Annex, para. 24 and 25.

Technology Mechanism. The TEC agreed to regularly review the implementation of this system, and revise it as needed.

56. At TEC21, the secretariat presented a report on experiences and lessons learned from implementing the M&E system, including recommendations for its revision. The TEC took note of the report and provided guidance for revising the M&E system, including adding indicators for monitoring gender mainstreaming and communication and outreach activities.
57. At TEC 23, the secretariat will be invited to present an overview of the current M&E status, in accordance with the revised M&E system agreed on at TEC 21.
58. **Expected action:** The TEC will be invited to take note of the information provided.

<i>TEC/2021/23/14     Monitoring and evaluating the work of the TEC: current status</i>
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## 8. Joint annual report of the Technology Executive Committee and Climate Technology Centre and Network for 2021

### (a) Joint chapter of the joint annual report

59. **Background:** In accordance with the agreed procedures for preparing the joint annual report, the report shall contain a section as the joint chapter of the TEC and the CTCN. The procedures also note that the Chairs and Vice-Chairs of the TEC and the CTCN Advisory Board are to prepare and finalize this joint chapter, taking into account any comments received from members of the TEC and the CTCN Advisory Board.
60. At TEC 23, the TEC and the CTCN Advisory Board will meet in a joint session on 13 September 2021 to take stock of the progress of the joint activities by the TEC and the CTCN. This agenda item will be considered at this joint session. During the joint session, the Chairs and Vice-Chairs of the TEC and the CTCN Advisory Board will be invited to present the draft joint chapter of the annual report of the TEC and CTCN for 2021 for consideration by the TEC and CTCN Advisory Board.
61. **Expected action:** The TEC jointly with the CTCN AB will be invited to consider the draft joint chapter and provide inputs and further guidance for the Chairs and Vice-Chairs of the TEC and the CTCN Advisory Board to finalize the joint chapter.

<i>TEC/2021/23/15     Draft joint chapter of the Technology Executive Committee and the Climate Technology Centre and Network for 2021</i>
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### (b) Annual report of the TEC including lessons learned and challenges

62. **Background:** In accordance with COP and CMA decisions, the joint annual report shall include progress of work and challenges and lessons learned in implementing mandates from Parties<sup>9, 10, 11, 12</sup> for consideration by the COP and CMA through its subsidiary bodies.<sup>13, 14</sup>
63. At TEC 23, the Chair and Vice-Chair of the TEC will be invited to present the draft annual report of the TEC for 2021 for the TEC consideration.
64. **Expected action:** The TEC will be invited to consider the draft annual report, including lessons learned and challenges, and authorize the Chair and Vice-Chair of the TEC to finalize the annual report of the TEC for 2021.

<i>TEC/2021/23/16     Draft annual report of the Technology Executive Committee for 2021</i>
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<sup>9</sup> FCCC/SB/2013/1, para. 3.

<sup>10</sup> As per decision 2/CP.17, para. 142. See also decisions 12/CP.21, para. 2, and 15/CP.23, para. 4.

<sup>11</sup> Decision 15/CP.22, para. 6.

<sup>12</sup> Decision 8/CMA.2, paras. 2 and 4.

<sup>13</sup> Decision 2/CP.17, para. 143.

<sup>14</sup> Decision 1/CP.21, para. 68.

<sup>14</sup> As per decision 14/CP.18, para. 10.

## 9. Implementation of the joint activities of the Technology Executive Committee and the Climate Technology Centre and Network:

65. **Background:** In response to decision 8/CMA.2, para. 3, the TEC and CTCN agreed on activities to be undertaken jointly in the period of 2021–2022 on two topics: technology and NDC, and gender and technology, as reported in their joint annual report to the COP and CMA for 2020.<sup>15</sup>
66. At TEC 23, the TEC and the CTCN Advisory Board will meet in a joint session on 13 September 2021 to take stock of progress on these joint activities. These two below sub-agenda items will be considered at this joint session.

*TEC/2021/23/17 Provisional Agenda for Joint session of the Technology Executive Committee and the Climate Technology Center and Network*

### (a) Joint activities on technology and NDC including recommendations to COP/CMA

67. **Background:** At TEC22, the TEC and the CTCN Advisory Board considered the draft outline of the joint publication. The TEC and the CTCN Advisory Board also established a joint taskforce, comprising members from both bodies.
68. During the joint session, the joint taskforce with the support from the secretariat and the consultant, will be invited to present the draft joint publication on technology and NDC and draft joint key message and recommendations to the COP and CMA based on the joined publication.
69. **Expected action:** The TEC and CTCN Advisory Board will be invited to:
- (a) To consider the joint publication on technology and NDC and provide guidance to the joint taskforce to finalize it after TEC 23;
  - (b) To consider and agree on the joint key messages and recommendations.

*TEC/2021/23/18 Draft joint publication on Technology and NDC - Stimulating the Uptake of Technologies in Support of NDC Implementation*

*TEC/2021/23/19 Draft joint key messages and recommendations to COP and CMA on Technology and NDC*

### (b) Joint activities on technology and gender

70. During the joint session, the Chairs and Vice Chairs of the TEC and the CTCN Advisory Board, with the support of the secretariat, will report on progress in the implementation of the joint activities on matters relating to technology and gender.
71. **Expected action:** The TEC and the CTCN Advisory Board will be invited to consider the progress made and provide further guidance for the joint activity on these matters.

## 10. Other matters

### (a) Conflict of interest

72. **Background:** At TEC22, the TEC considered revising its rules of procedure to include provisions for safeguarding against potential conflict of interest following the findings of an assessment conducted by the United Nations Office of Internal Oversight Services.<sup>16</sup> The TEC agreed to continue considering this matter at TEC23 and requested the secretariat to prepare a note thereon.
73. At TEC 23, the secretariat will be invited to present a note on the inclusion of provision on conflict of interest into rules of procedure of the TEC.

<sup>15</sup> FCCC/SB/2020/4, para. 15 and annex I, available at <https://unfccc.int/documents/267476>.

<sup>16</sup> See United Nations Office of Internal Oversight Services report 2019/122, available at <https://oios.un.org/file/8399/download?token=JHCIVGui>.



74. **Expected action:** The TEC will be invited to consider the note prepared by the secretariat and agree on the inclusion of provision on conflict of interest in its rules of procedure.

<i>TEC/2021/23/20</i> <i>Concept note on revision of TEC rules of procedure and inclusion of provision on conflict of interest</i>
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75. The TEC will also be invited to raise any other matters, as appropriate.

## 11. Date and venue of the next meetings

76. **Background:** In accordance with the rules of procedure, paragraph 29, 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.
77. At TEC 23, the TEC Chair and Vice-Chair will be invited to propose tentative dates for TEC 24.
78. **Expected action:** The TEC will be invited to take note of the date for TEC 24.

## 12. Closure of the meeting

79. The TEC Chair will be invited to summarise the key outcomes of the meeting and close the meeting.
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