Technology Executive Committee

06 April 2021

Twenty-second meeting

Virtual meeting, 20-23 April and 26 April 2021 (TEC-CTCN Joint session)

Draft outline of joint TEC-CTCN publication on technology and NDC

Cover note

I.   Background

1.   In response to decision 8/CMA.2, para. 3, at TEC21 and AB16 (November 2020) the TEC and the CTCN agreed on activities to be undertaken jointly in the period of 2021–2022 in two areas: i) technology and nationally determined contributions (NDCs), including the development of a the joint publication on technology issues related to the NDC; and ii) gender and technology. The two bodies subsequently reported on this matter in their joint annual report to the COP and CMA for 2020.[1]

2.   The Chairs and Vice Chairs of the TEC and the Advisory Board of the CTCN (CTCN AB), supported by the TEC and the CTCN secretariats, worked inter-sessionally to develop the terms of reference of the joint publication based on elements that have been agreed by TEC and CTCN in 2020, and to commission an external expert to support the undertaking of the work.

3.   At TEC 22, the TEC and the CTCN AB will meet in a joint session on 26 April 2021 to take stock of the progress of the joint activities. During this joint session, the Chairs and Vice Chairs of the TEC and the CTCN AB, with the support of the secretariat and a consultant, will provide an update of the work and to present a draft outline of the joint publication on technology and NDCs.

4.   The TEC and the CTCN AB will also hold a panel discussion with national experts and relevant stakeholders on technology and NDCs to inform the work of the TEC and CTCN and the joint publication on this topic.[2] The panel discussion will provide a space to share experiences and lessons learned with regard to climate technology actions set out in countries NDCs, and insights from the diverse stakeholders involved in the NDC process. Information relevant to the joint work discussed during this panel discussion will be fed into the development of the joint publication.

II.   Scope of the note

5.   The annex to the note contains a draft annotated outline of the joint publication on technology and NDCs.

III.   Possible action by the Technology Executive Committee

6.   The TEC will be invited to consider the outcomes of the panel discussion and provide further guidance for the draft outline of joint publication on technology and NDCs.

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[1] FCCC/SB/2020/4, para. 15 and annex I, available at https://unfccc.int/documents/267476.

[2] Further information on the event can be viewed on https://unfccc.int/ttclear/events/2021/2021_event02.

Annex

Draft annotated outline of joint TEC-CTCN publication on technology and NDC

Foreword by the Chairs of the TEC and CTCN AB
Joint foreword by the TEC Chair and the Chair of the Advisory Board of the CTCN.

Key findings
- *Overall findings on technology issues related to NDCs;*
- *Specific technology issues related to NDCs: needs, challenges, policy and implementation, national adaptation plans;*
- *Success stories on technology uptake related to NDCs;*
- *Lessons learned on technology uptake related to NDCs;*
- Recommendations *on how to stimulate the uptake of climate technology solutions to support the implementation of NDCs.*

1. Background
- *TEC and CTCN mandates for this joint publication:*
  - *Decision 8/CMA.2;*
  - *Updated rolling workplan of the TEC for 2019–2022;*
  - *CTCN Annual Operating Plan 2021.*
- *Objectives:*
  - *Analysis of technology issues related to NDCs and identification of success stories and lessons learned regarding technology uptake;*
  - *Development of recommendations on stimulating technology uptake in support of NDC implementation.*
- *Methodology:*
  - *Desk review of pre-identified information sources (see References) regarding technology issues related to NDCs: analysis and synthesis of information with a focus on technology needs, challenges, linkages between policy and implementation and linkages with national adaptation plans;*
  - *Desk review of pre-identified information sources (see References) on success stories regarding the uptake of technologies in support of NDC implementation. Selection and presentation of eight case studies, ensuring diversity and balance among case studies in terms of geographic coverage, adaptation and mitigation actions, technology sectors and cross-cutting issues such as innovation and gender;*
  - *Semi-structured interviews on lessons learned regarding the uptake of technologies in support of NDC implementation across geographic regions and technology sectors. Synthesis of information and inclusion of specific examples.*

2. Technology and Nationally Determined Contributions
Analysis of technology issues related to NDCs based on revised NDCs and previous work by the TEC and CTCN.

2.1. Overview on technology in revised NDCs
Building on the UNFCCC secretariat's NDC Synthesis Report (February 2021) and the review of revised NDCs.

2.2. Technology needs
Analysis and synthesis of technology needs in the context of NDCs based on pre-identified information sources (see References).

2.3. Technology challenges
Analysis and synthesis of technology challenges in the context of NDCs based on pre-identified information sources (see References).

2.4. Policy and implementation
Analysis and synthesis of linkages between policy and implementation in the context of technology and NDCs based on pre-identified information sources (see References).

2.5. National adaptation plans
Analysis and synthesis of linkage to national adaptation plans in the context of technology and NDCs based on pre-identified information sources (see References).

3. Success stories and lessons learned on the uptake of technologies
Identification of success stories and lessons learned regarding the uptake of technologies in support of NDC implementation, considering outcomes of the UNFCCC Technical Examination Process and previous work by the TEC and CTCN on the matter.

3.1. Success stories
Eight case studies showcasing the successful uptake of technologies in different geographic regions and technology sectors, including for adaptation and mitigation actions, covering innovative and gender-responsive approaches.

3.2. Lessons learned
Examples of lessons learned in the uptake of technologies across geographic regions and technology sectors.

4. Recommendations
Recommendations on how to stimulate the uptake of climate technology solutions to support the implementation of NDCs based on findings of this joint publication.

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Interviews: CTCN Regional Technical Assistance Teams, National Designated Entities and Technical Assistance implementers, as needed.