SBSTA agenda item 6(b)

Technology framework under Article 10, paragraph 4, of the Paris Agreement

Informal note by the co-facilitators[1]

Version 13.11.2017

At SBSTA 47, Parties continued their deliberation on the elaboration of the technology framework. Parties wished to capture their discussion on detail elements of the key themes agreed at SBSTA 45, which are presented below.

In discussing detail elements of the key themes, Parties noted that they should keep in mind the principles and the structure of the technology framework, broader context that the framework will provide an overarching guidance, cross-cutting issues among all key themes, lessons learned and experiences from the work of the Technology Mechanism.

Detail elements of the key themes

I. Innovation

A. General elements

  a. Focus on innovation to support implementation of PA
  b. Highlight every step of technology cycle
  c. Keep balanced manner (mitigation and adaptation)
  d. Ensure gender-inclusiveness in the work of innovation, e.g. promoting gender-friendly technology
  e. Useful resources which may contain possible elements under this key theme include:
      i.   The TEC key messages to the COP on innovation, contained in the joint annual report for 2017
      ii. Inputs on additional activities of the TEC and CTCN
      iii. Co-facilitators' reflection note at SBSTA 45

B. Specific elements

  a. Collaborative RD&D
      i.   TEC to provide comprehensive information on the current and future activities of international RD&D partnerships/initiatives
      ii. CTCN to undertake joint works with the existing international RD&D partnerships/initiatives
      iii. CTCN to help countries to initiate joint RD&D initiatives
  b. Promotion of policy and finance for innovation and RD&D
      i.   Improve policy environment for innovation, e.g. by promoting national systems of innovation
      ii. TEC to provide information on each country's climate technology RD&D policies and activities
      iii. Accelerate uptake and diffusion of promising technologies
      iv. Promote innovative finance and investment at all of technology cycle
  c. Engagement of private sector and public-private partnerships
      i.   Strengthen partnership between public sector and private sector, e.g. by utilizing the network of the CTCN
      ii. Consider how to incentivize private sector, including how to compensate the innovation

---

[1] This document has no status, and serves to assist Parties' further deliberations on the elaboration of the technology framework. This text is not negotiated and does not represent consensus.

II. Implementation

A. General elements

a. Specify the meaning of the implementation
b. Implementation means to carry out work on the ground, helping economic growth, and sustainable energy pathway, not focusing on barriers, capacity building etc.
c. Implementation more as planning and strategic development
d. Reporting to the global stock-take
   i. Report progress to implementation facilitative dialogue and global stock-take
   ii. Considering reporting to global stock-take pre-mature as it is still negotiated
e. Implementation for each phase of the technology cycle, and key themes in their entirety
f. Balanced approach between mitigation and adaptation
g. Need to enhance south-south and regional cooperation
h. Lack of financial and technical support for implementation in LDCs
i. Keep in mind the limited timeframe given by NDCs to deliver to implement P.A.
j. Look at demand for implementation (bottom-up country request to CTCN for technical assistance)

B. Specific elements

a. TNAs
   i. Update and implement TNAs and TAPs
   ii. Implementation of TNAs to forward ultimate objective – to implement NDCs
   iii. Linking TNAs with NDCs and NAPs to upscale investments
   iv. Align CTCN core services with TNA results
b. Barriers to implementation
   i. Removing financial, technical and capacity building barriers
   ii. Consider cultural barriers
c. Private sector role
   i. Enhance public-private partnerships
   ii. Incentivize private sector engagement

III. Enabling environment and capacity-building

A. General elements

a. Enabling environment and capacity-building should be action oriented
b. Discussions of enabling environment in the context of the technology framework will need to consider what challenges to be addressed, what to enable, and for whom
c. Technology framework to facilitate enhancing enabling environment for technology development and transfer in both developed and developing countries
d. Capacity-building cannot be isolated as a key theme but cross-cutting

B. Specific elements

a. Enabling environment
   i. Enhance public awareness of the issues of technology development and transfer in climate change
   ii. Facilitate information sharing and networking with relevant institutions
   iii. Promote investment-friendly policy
   iv. Enable access to technology in private sector, e.g. by incentivizing technology providers
b. Capacity-building
   i. TEC to formulate and analyse of comprehensive information on capacity-building in consideration of technology cycle
   ii. CTCN to collaborate with existing capacity-building organizations and institutions, playing as an intermediary player between supplier and receiver of capacity-building
   iii. Technology Mechanism to collaborate with PCCB once they are operational
   iv. Enhance capacity of NDE and at national level
   v. Encourage Indigenous knowledge and improve endogenous capacity

IV. Collaboration and stakeholder engagement

A. General elements

a. Stakeholders will provide important inputs to the work of the Technology Mechanism. Therefore, the Technology Mechanism shall work in an open and inclusive manner where stakeholders are invited to participate and actively engage in the work of the Technology Mechanism
b. Collaboration and stakeholder engagement will enhance global interlinkages between players, help bridge knowledge gap between developed and developing countries
c. Collaboration and stakeholder engagement in all technology cycle and gender inclusive

B. Specific elements

a. Engagement with key stakeholders
   i. Engage with local community and local authorities, national planners, civil society organisation
   ii. CTCN to support NDEs to link with relevant stakeholders
   iii. TEC and CTCN to involve stakeholders in planning and implementation of their work
   iv. TEC and CTCN to consider how to incentivise participation of stakeholders
b. Collaboration with other organizations, institutions and initiatives
   i. TEC and CTCN to enhance collaboration and increase synergies with other international organizations, institutions and initiatives, particularly those provide knowledge and information on future and transformational technologies needed
   ii. Collaborate with academia and climate research community, e.g. to promote collaborative RD&D
c. Private sector and public-private partnerships
   i. Enhance engagement of private sector
   ii. Strengthen public-private partnerships

V. Support

A. General elements

   a. The understanding of support under this theme is broader than just financial support
   b. To fulfil objective of the technology framework and achieve the transformational changes, the discussion on support may include scope and scale of the support, for all key themes and both adaptation and mitigation, taking into account country's circumstances, gender perspective and endogenous and indigenous aspects
   c. Article 10, paragraph 6, of the Paris Agreement is the starting point for this theme
   d. This theme may have links with other articles of the Paris Agreement, such as Articles 13 and 14, while not prejudging the outcomes of the on-going discussions

B. Specific elements

   a. Provision of support
      i. Enhance linkages with the Financial Mechanism to secure sufficient, predictable and sustained finance for technology development and transfer
      ii. Encourage private sector investment and pro-bono and in-kind support
      iii. Provide financial and technical support for the implementation of TNAs
      iv. Provide capacity-building support and organizational and institutional support

   b. Monitoring and provision of the information
      i. Monitor and evaluate the efficiency and effectiveness of the support for technology development and transfer
      ii. TEC and CTCN to jointly prepare and provide information on efforts related to support on technology development and transfer for developing country Parties for the global stocktake
      iii. Provide technology information, e.g. through information platforms and resource and knowledge management systems