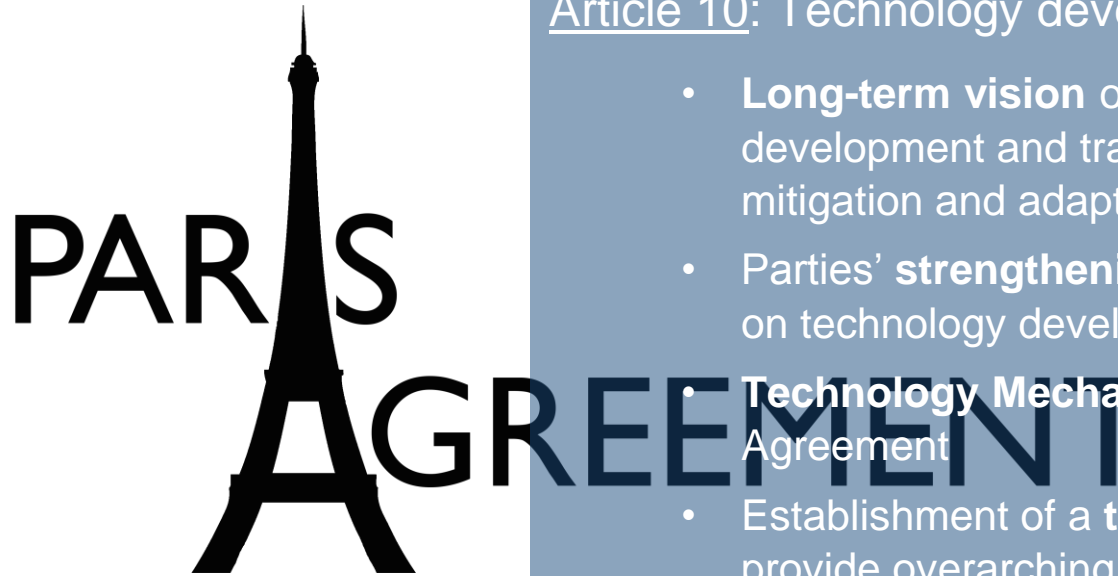


Agenda item 6

Provision of information to SBSTA47 on technology framework – Part I

Technology Executive Committee, 15th meeting
Bonn, Germany, 12 – 15 September 2017





PARIS
AGREEMENT



Article 10: Technology development and transfer

- **Long-term vision** on technology development and transfer to support mitigation and adaptation
- Parties' **strengthening cooperative action** on technology development and transfer
- **Technology Mechanism** serving the Agreement
 - Establishment of a **technology framework** to provide overarching guidance to the work of the Technology Mechanism
 - Acceleration, encouragement and enabling **innovation**, in particular early stages of technology, and related support
 - **Support** for Article 10, and a reference to the global stocktake

Article 10, paragraph 4 of Paris Agreement

A technology framework is hereby established to provide overarching guidance to the work of the Technology Mechanism in promoting and facilitating enhanced action on technology development and transfer in order to support the implementation of this Agreement, in pursuit of the long-term vision referred to in paragraph 1 of this Article.



Decision 1/CP.21

67. Requests the **SBSTA** to initiate, at its 44th session (May 2016), the elaboration of the technology framework established under Article 10, paragraph 4, of the Agreement and to report on its findings to the COP, with a view to the COP making a recommendation on the framework to the COP serving as the meeting of the Parties to the Paris Agreement for **consideration and adoption at its first session**, taking into consideration that the framework should facilitate, inter alia:

- a) The undertaking and updating of TNAs, as well as the enhanced implementation of their results, particularly technology action plans and project ideas, through the preparation of bankable projects
- b) The provision of enhanced financial and technical support for the implementation of the results of the technology needs assessments
- c) The assessment of technologies that are ready for transfer
- d) The enhancement of enabling environments for and the addressing of barriers to the development and transfer of socially and environmentally sound technologies;



Agenda item 6 – Provision of information to SBSTA47 on technology framework

SBSTA 44

- Initiated TF elaboration
- Invited Parties' submissions on TF
- Requested secretariat to map relevant activities under/outside Convention

SBSTA 46

- Agreed on Principles and possible headings of TF document
- Invited TEC & CTCN to provide information on relevant past/current and additional activities



SBSTA 45

- Agreed on TF characteristics, Purpose, Initial key themes
- Invited Parties' submissions on principles and structure



SBSTA 45

Characteristics (FCCC/SBSTA/2016/4 para 27)

- Technology framework should be short, concise, balanced and comprehensive and allow flexibility to respond to changes over time.

Purpose (para 28)

- The purpose of the technology framework is as stipulated in Article 10, paragraph 4, of the Paris Agreement.

Initial key themes (para 29)

- The initial key themes for the technology framework are:
 - (a) Innovation;
 - (b) Implementation;
 - (c) Enabling environments and capacity-building;
 - (d) Collaboration and stakeholder engagement;
 - (e) Support.

SBSTA 46

Principles (FCCC/SBSTA/2017/4 para 31)

- Principles of the technology framework, which are **coherence, inclusiveness, result-oriented approach, transformational approach and transparency**, should guide the Technology Mechanism in implementing the Paris Agreement.

Possible headings (para 35)

- Possible headings of the technology framework include, inter alia, purpose, principles and key themes

SBSTA 46 – Invitation to TEC & CTCN

34. The SBSTA also noted that the ongoing work of the Technology Executive Committee (TEC) and the Climate Technology Centre and Network (CTCN), including their work with relevant stakeholders, may be relevant for the elaboration of the technology framework and in facilitating enhanced actions on technology development and transfer. In this context, it invited the TEC and the CTCN to provide at SBSTA 47 (November 2017) information on the following:

- a) Activities that **have been or are currently being undertaken**, which are relevant for the implementation of the Paris Agreement, taking into account the key themes and their relation to the technology cycle;
- b) Additional** activities that the TEC and the CTCN, subject to available resources, could undertake within their respective mandates and functions, **individually or jointly**, to implement the Paris Agreement.

SBSTA 46 - Co-facilitators information note

Not an official document and has no status

- Attempts to capture rich discussion and constructive exchanges Parties had
- Provides further information on issues considered at the meeting
 - what Parties viewed on elements of Principles of TF (e.g. inclusive ~ facilitating participation of stakeholders)
 - Views regarding functions of the Tech Mechanism
 - Update of technology framework
 - Interlinkages
 - Alignment of TF with periodic assessment
- Suggests a way to help framing the further discussion of the key themes in the context of what needs to be undertaken by the TEC and CTCN

Thank you!



Technology Transfer framework

Framework for meaningful and effective actions to enhance the implementation of Article 4, paragraph 5, of the Convention (as adopted by decision 4/CP.7 and enhanced by decision 3/CP.13). COP16 mandated the TEC to further implement the framework (decision 1/CP.16, paragraph 119)

Five themes:

- A. technology needs and needs assessments;
- B. technology information,
- C. Enabling environments for technology transfer
- D. Capacity building for technology transfer
- E. Mechanisms for technology transfer, with four sub-themes
 - 1. Innovative options for financing the development and transfer technologies
 - 2. Possible ways and means to enhance cooperation with relevant conventions and intergovernmental processes
 - 3. Promotion of endogenous development of technology through provision of financial resources and joint research and development
 - 4. Promotion of collaborative research and development on technologies
 - 5. ~~The Expert Group on Technology Transfer (terminated at COP16)~~



4. Key findings & issues for further reflections

Findings from both components of the mapping :

- A heterogeneous landscape of activities, initiatives, programmes, and mechanisms with wide variety of focus and scope
 - An emergence of institutional models (e.g innovation centers at all levels), growing number of networks, partnerships and technology cooperation – suggesting **opportunities for technology collaboration, coordination, knowledge and information sharing**
 - Nature of collaboration expands beyond North-South to South-South and triangular cooperation
 - High level initiatives centre around energy, offering platforms for promoting policies, actions, mobilizing finance; regional programmes supporting small-scale projects, SMEs, technical assistance, business advisory support and financing
 - Fewer technology programmes directed at adaptation than mitigation
 - Role of private sector on the increase
 - A growing number of initiatives providing access to finance through variety of mechanisms and instruments; financial support more prevalent and R&D and commercial/diffusion stage
 - Many initiatives relate to knowledge sharing and knowledge management – challenges: **a need for a comprehensive overview/mapping and for keeping track of new initiatives**
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