

Agenda item 5(b) i.

# Introduction to the technology framework and the scope and modalities of the periodic assessment

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## Article 10: Technology development and transfer

1. Long-term vision on technology development and transfer to support mitigation and adaptation actions
2. Parties' to strengthen cooperative action on technology development and transfer
3. Technology Mechanism to serve the Agreement
4. Establish a technology framework to provide overarching guidance to the work of the Technology Mechanism in supporting the implementation of the Agreement
5. Acceleration, encouragement and enabling innovation, in particular early stages of technology, and related support
6. Support for Article 10 implementation, and link to the global stocktake

# COP 21 decision

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## Technology framework

- COP requested SBSTA to **initiate the elaboration of the technology framework** at SBSTA 44

## Periodic assessment of the Technology Mechanism

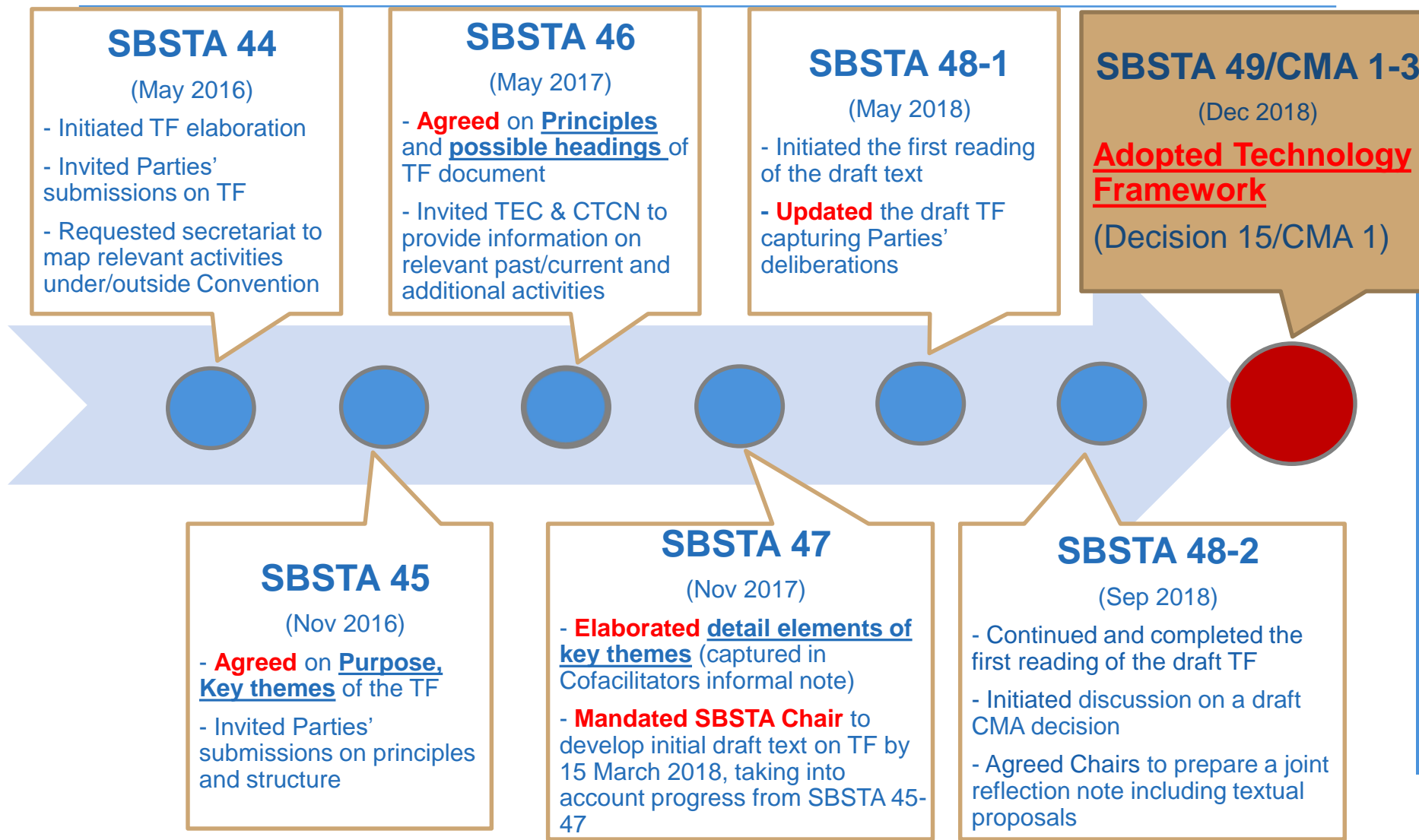
- COP decided to **undertake a periodic assessment of the effectiveness and adequacy of the support provided to the Technology Mechanism** in supporting the implementation of the Paris Agreement on matters relating to technology development and transfer
- COP requested SBI to **initiate the elaboration of the scope of and modalities** for the periodic assessment



# *Part I – Technology Framework*



# Elaboration of the Technology Framework under SBSTA (2016 – 2018)



# Overview of decision 15/CMA 1

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## **Decision part**

- Contains 9 paragraphs (e.g. adoption of the tech framework)

## **Annex – Technology framework**

- I. Purpose
- II. Principles
- III. Key themes



## Purpose of Technology Framework

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The purpose of the technology framework is defined just as stipulated in Article 10, paragraph 4, of the Paris agreement, that is:

*“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 the Paris Agreement in pursuit of the long-term vision referred to in its Article 10, paragraph 1”.*

It is also stated that:

*“The framework can play a strategic role in improving the effectiveness and efficiency of the work of the Technology mechanism”.*



# Principle of Technology Framework

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- a. **Coherence:** Align with the long-term vision for technology development and transfer and other provisions of the Paris Agreement, national plans and strategies under the Convention and actions undertaken by relevant institutions in the international climate regime and beyond;
- b. **Inclusiveness:** Be designed and implemented in a manner that facilitates the active participation of all relevant stakeholders and takes into account sustainable development, gender, the special circumstances of the least developed countries and small island developing States, and the enhancement of indigenous capacities and endogenous technologies;
- c. **Results-oriented approach:** Be results-oriented in terms of output, outcome and impact;
- d. **Transformational approach:** Address the transformational changes envisioned in the Paris Agreement;
- e. **Transparency:** Be designed and implemented in a manner that enhances the transparency of the results, costs and process, such as through planning, resource management and reporting on activities and support.





# Key themes of Technology Framework

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Key themes are focused areas of action to be undertaken by the TEC and CTCN:

- a. Innovation
- b. Implementation
- c. Enabling environment and capacity building
- d. Collaboration and stakeholder engagement
- e. Support

Each key theme contains :

- several paragraphs that sets **the context, background, and/or objectives** of the respective theme
- a number of provisions which describe **guidance on the actions and activities to be undertaken by the TEC and the CTCN.**

These provisions do not specify **who (TEC or CTCN) should lead the actions/activities respectively.**

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# Provisions in the technology framework

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The provisions come at different levels, some are quite specific and other are generic. For example;

- **paragraph 8(b)** is a provision that refers to **specific activity** on **specific topic**: *providing information and facilitating the sharing of information* (specific activity) on *international technology RD&D partnerships and initiatives* (specific topic), whereas
- **paragraph 20(a)** refers to **generic guidance** which does not specify how and on what: *enhancing engagement and collaboration with stakeholders... in the planning and implementing the Technology Mechanism activities.*

Other examples of generic provisions includes: **12(e), 16(b), 25(a), 25(c), 25(d)**



## Cross-cutting topics

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Some specific topics appear in more than one key themes. For example, **private sector engagement** is referred to in :

- Key theme Innovation: paragraphs 8(h), 8(i)
- Key theme Enabling environment and capacity building: paragraph 16(e)
- Key theme Collaboration and stakeholder engagement: paragraph 20(b)

Other examples of such cross-cutting topics includes:

- **New, innovative and emerging technology** (8(c), 8(h), 20(d))
- **NDEs** (16(j), 20(c))



## Decision part containing operational mandates for TEC and CTCN

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2. *Decides* that the TEC and the CTCN, consistently with their respective functions, mandates and modalities of work, **shall implement the technology framework in close collaboration** under the guidance of the CMA;
3. *Requests* the TEC and the CTCN:
  - (a) To **incorporate the guidance contained in the technology framework into their respective workplans and programmes of work**, which should also include methods for the monitoring and evaluation of their activities;
  - (b) To **include information in their joint annual report for 2019 on how they incorporated the guidance contained in the technology framework into their respective workplans and programmes of work** as referred to in paragraph 3(a) above;
5. *Requests* the TEC and the CTCN to **report on the progress of their work and challenges and lessons learned in implementing the technology framework** in their joint annual reports;



*Part II – Periodic assessment of the  
Technology Mechanism*



# Paris Agreement and Katowice outcome

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## **Mandate (Decision1/CP.21)**

- COP 21 decided to undertake a periodic assessment of effectiveness and adequacy of support provided to Technology Mechanism in supporting implementation of Paris Agreement on matters relating to technology development and transfer
- COP 21 requested SBI 49 to initiate the elaboration of the scope of and modalities for the periodic assessment

## **Katowice outcome (Decision 16/CMA.1)**

- Adopts scope and modalities for periodic assessment of Technology Mechanism
- Decides that outcome of periodic assessment should guide improved effectiveness and enhanced support to Technology Mechanism in supporting the implementation of the Paris Agreement
- Annex contains scope of and modalities for the periodic assessment



# Scope of periodic assessment

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## **Scope of periodic assessment has 2 elements:**

- Effectiveness of Technology Mechanism in supporting the implementation of the Paris Agreement on matters relating to technology development and transfer;
- Adequacy of support provided to Technology Mechanism in supporting the implementation of the Paris Agreement on matters relating to DTT.



# Scope of periodic assessment: effectiveness of Technology Mechanism

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Scope may include assessment of outputs, outcomes and impacts of the TM, in particular, how it has:

- a) Facilitated transformational changes envisioned in Paris Agreement;
- b) Contributed to achievement of long-term vision referred to in Article 10 of Paris Agreement;
- c) Contributed to strengthening cooperative action on DTT;
- d) Enhanced implementation of technology elements of NDCs and TNAs;
- e) Resulted in quantitative impacts through technical assistance;
- f) Undertaken its work in a cost-effective and efficient manner;
- g) Achieved success in terms of how TM bodies have implemented their workplans;
- h) Overcome challenges;
- i) Identified opportunities for improvement;
- j) Collaborated with other stakeholders in supporting implementation of Paris Agreement;
- k) Responded to overarching guidance provided by the technology framework
- l) Responded to existing mandates under Paris Agreement and to guidance from Parties.





# Scope of periodic assessment: adequacy of support provided to Technology Mechanism

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Scope may include assessment of:

- a) Recipients of support provided:
  - i. TEC;
  - ii. CTCN, including national designated entities;
- b) Sources of support provided;
- c) Types of support provided;
- d) How support provided was used, taking into account actions at different stages of technology cycle:
  - i. Mitigation actions;
  - ii. Adaptation actions;
  - iii. Cross-cutting actions;
- e) Level of support provided and whether it has changed over time;
- f) Extent to which the support has met budgets and plans of Technology Mechanism.



# Modalities

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- Periodic assessment is undertaken by CMA
- Subsidiary Body for Implementation supports CMA
- Periodic assessment is both qualitative and quantitative
- Sources of information for the periodic assessment include:
  - a) Technology framework
  - b) Joint annual reports of TEC and CTCN to CMA;
  - c) Other UNFCCC reporting documents and processes relevant to implementation of Paris Agreement on matters relating to DTT;
- Periodic assessment:
  - a) Undertaken every five years;
  - b) Takes one year or less to complete.
- Outputs of periodic assessment include:
  - a) A report to CMA through SBI;
  - b) Recommendations of CMA on updating technology framework.



## Next steps

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- SBI 51 (November 2019) to initiate consideration of the alignment of the CTCN review and the periodic assessment of TM
- Initiate first periodic assessment at CMA 4 (November 2021)



*Thank you!*



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