



COP24 · KATOWICE 2018
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Means of Implementation in Katowice Rulebook

Technology development and transfer

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Presentation plan:

1. Context of Katowice Rulebook decisions:
 1. Technology mechanism
 2. Technology development and transfer issues in Paris Agreement (and in decision 1/CP.21)
2. Technology development and transfer relevant decisions in Katowice Rulebook
 1. Way to Katowice – negotiations before COP24
 - 2. Technology framework (15/CMA.1)**
 - 3. Periodic assessment of effectiveness and adequacy of support provided to the Technology Mechanism (16/CMA.1)**
3. What's next – technology development and transfer at COP25 (Santiago de Chile)



Technology Development and Transfer in the UNFCCC system:

TECHNOLOGY MECHANISM:

- Established in 2010, consist of two bodies: TEC and CTCN
- **Technology Executive Committee (TEC):**
 - Policy Body
 - Provides recommendations and analyses to support country efforts to enhance technology development and transfer
 - Composed of 20 technology experts (from both developing and developed countries)
- **Climate Technology Centre and Network (CTCN):**
 - Implementation Body
 - Provides 3 services:
 - technical assistance at the request of developing countries
 - creating access to knowledge on climate technology
 - fostering collaboration of stakeholders via its network of experts
 - CTCN is hosted by UN Environment and UNIDO.
 - CTCN works via focal points: **National Designated Entity (NDE's)**



Technology development and transfer in Paris Agreement:

Article 10 of the Paris Agreement

3. The Technology Mechanism established under the Convention shall serve this Agreement

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

6. Support, including financial support, shall be provided to developing country Parties for implementation of this Article, including for strengthening cooperative action on technology development and transfer at different stages of the technology cycle, with a view to achieving a balance between support for mitigation and adaptation. The global stocktake referred to in Article 14 shall take into account available information on efforts related to support on technology development and transfer for developing country Parties,



Technology development and transfer related mandates in decision 1/CP.21

67. *Requests* the Subsidiary Body for Scientific and Technological Advice to initiate, at its forty-fourth 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 Conference of the Parties, with a view to the Conference of the Parties making a recommendation on the framework to the Conference of the Parties 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 technology needs assessments, 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 addressing of barriers to the development and transfer of socially and environmentally sound technologies;



Technology development and transfer related mandates in decision 1/CP.21

69. *Also decides to undertake a periodic assessment of the effectiveness and adequacy of the support provided to the Technology Mechanism in supporting the implementation of the Agreement on matters relating to technology development and transfer;*

70. *Requests the Subsidiary Body for Implementation to initiate, at its forty-fourth session, the elaboration of the scope of and modalities for the periodic assessment referred to in paragraph 69 above, taking into account the review of the Climate Technology Centre and Network as referred to in decision 2/CP.17, annex VII, paragraph 20, and the modalities for the global stocktake referred to in Article 14 of the Agreement, for consideration and adoption by the Conference of the Parties at its twenty-fifth session (November 2019);*



Technology relevant decisions in Katowice Rulebook

On the way do Katowice

2 technology related decisions in Paris Agreement Work Programme (PAWP):

- on Technology Framework (TF)
- on scope and modalities for the periodic assesment

From Paris to Katowice:

- Negotiations inicialised at SB.44 (May 2016)
- From exchange of views and visions to draft text
- One of the most quickly advancing items in PAWP
- Work on draft texts already in Bangkok additional session.
- Good starting point for deliberations in Katowice



Decision 15/CMA.1

Technology framework

under Article 10, paragraph 4, of the Paris Agreement



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TECHNOLOGY FRAMEWORK (annexed to the decision 15/CMA.1)

Content of the Technology Framework:

Provisions organised in 3 major sections:

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

Purpose of the Technology Framework:

- To provide **overarching guidance** to the Technology Mechanism
- To **promote and facilitate enhanced action** in order to support implementation of the long-term vision for technology development and transfer that should improve resilience to climate change and reduce greenhouse gases emissions.

Principles of the Technology Framework:

- Coherence (of actions)
- Inclusiveness
- Results-oriented approach
- Transitional approach
- Transparency



Key themes of the Technology Framework (areas of action to be undertaken):

- **Innovation**

(at different stages of the technology cycle, including RD&D, private sector engagement)

- **Implementation**

(importance of technology for implementation of mitigation and adaptation actions under Paris Agreement; a need for implementation of Technology Need Assessment; the role of Technology Mechanism institutions in developing recommendations on technologies and on enabling environments)

- **Enabling environment and capacity building**

(support for Parties: in creating policy and regulatory environment; in capacity building for planning, in monitoring and achieving technological transformation, enhancing public awareness;)

- **Collaboration and stakeholder engagement**

(Technology Mechanism should promote collaboration between stakeholders on different levels and in different configurations)

- **Support**

(collaboration between Technology Mechanism and Financial Mechanism; innovative finance; technical support; Information on support for technology development and transfer should serve as an input for enhanced transparency framework and Global Stocktake.



Operationalisation of the technology framework

(decision 15/CMA.1 – other provisions):

1. Technology Executive Committee (TEC) and Climate Technology Centre and Network (CTCN) should implement Technology Framework into their respective action (as overarching guidance).
2. TEC and CTCN should report (joint annual reports) on progress in implementation of the technology framework in their actions and on lessons learned.
3. Results of the periodic assessment of the effectiveness and adequacy of support provided to the Technology Mechanism, shall be considered when updating the technology framework



Decision 16/CMA.1

Scope and modalities for the periodic assessment

referred to in paragraph 69 of decision 1/CP.21



Scope of the periodic assessment:

Effectiveness of the Technology Mechanism, so how the TM:

- Facilitated transformational changes envisioned in Paris Agreement;
- Enhanced the implementation of the technology elements of NDC's and TNA's;
- Collaborated with other stakeholders;
- Responded to overarching guidance of Technology Framework, including aligning its work with themes of technology framework.

Adequacy of support provided to the Technology Mechanism

- Recipients of the support;
- Sources of the support;
- Type of support;
- How the support was used;
- The level of support (how it changes over the time);
- Whether the support met the budgets and plans;



Modalities of the periodic assessment:

- Assessment according to international best practices for conducting assessments;
- Periodic Assessment is undertaken by the CMA who initiate it, provide guidance to Secretariat and request Secretariat to prepare interim and final reports;
- SBI supports the CMA in the assessment (consider interim report by Secretariat, guide Secretariat as to the content of final report, and prepare draft recommendation for the CMA);
- Assessment is quantitative and qualitative;
- Sources of information: technology framework, joint annual reports of TEC and CTCN, other reporting documents relating to implementation of Paris Agreement;
- Periodic assessment is undertaken every 5 years (takes maximum 1 year);
- Output of the assessment: a report to the CMA and recommendation of the CMA on update of the technology framework;



Decision 16/CMA.1 – other provisions:

- First periodic assessment will be initiated at CMA 4 (2021) and completed in 2022
- Outputs of the assessment should serve as an input to the Global Stocktake
- SBI will initiate on SB.51 (December 2019) consideration on alignment of assessing processes of the Technology Mechanism (to be adopted on CMA3 in 2020)



What's next – technology at COP25:

- TEC and CTCN will present their **Joint Annual Report** for 2019, including information on how they have incorporated technology framework into their respective workplans.
- First possibility to assess the real usefulness and effectiveness of guidance contained in the technology framework (challenges and lessons learned from the implementation).
- SBI will **start consideration** on how to align periodic assessment of the Technology Mechanism (16/CMA.1) with existing process of the review of the CTCN. Decision in this matter should be taken only at CMA3 (2020)
- **In the area of technology development and transfer, we are clearly entering into implementation and monitoring phase, including preparation of assessment tools for the future.**

Thank you!





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