



# ***Technology in Paris Agreement***

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## Technology in Paris Agreement

- Parties share a long term vision on **importance of fully realizing technology development and transfer** in order to improve resilience to climate change, and to reduce GHG emissions.
- **Establishment of technology framework** to provide guidance to the work of technology mechanism in promoting and facilitating enhanced action on technology development and transfer in order to support the implementation of Paris Agreement, in pursuit of the long term vision.
- Parties, noting the importance of technology for the implement. of mitigation and adaptation actions under this Agreement and recognizing existing technology deployment and dissemination efforts, shall **strengthen cooperative action** on technology development and transfer.
- The **Technology Mechanism** established under the Convention **shall serve PA.**



## Technology in Paris Agreement

- Accelerating, encouraging and enabling **innovation** is critical for an effective, longterm global response to climate change and promoting economic growth and sustainable development. Such effort shall be, as appropriate, supported, including by the TM and FM of the Convention, for **collaborative approaches to research and development, and facilitating access to technology**, in particular for early stages of the technology cycle, to developing country Parties.
- **Support**, including financial support, shall be provided to developing country Parties for the 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.

To operationalize Paris Agreement, the COP in its Decision 1/CP.21, (para. 67) requested the SBSTA to initiate elaboration of the **Technology Framework** which should:

- Facilitate undertaking and updating TNAs, and implement their results via bankable projects,
- Provide enhanced finance and technical support,
- Assess technologies that are ready for transfer,
- Enhance enabling environments for, and address barriers to, development and transfer of environmentally and socially sound technologies.

## The Technology Transfer Framework

- To develop meaningful and effective actions to enhance the implementation of Article 4, paragraph 5, of the Convention by increasing and improving the transfer of and access to environmentally sound technologies (ESTs) and know-how.
- The framework for meaningful and effective actions to enhance the implementation of Article 4.5 of the Convention was established in COP 7 by Decision 4/CP.7.
- Five key themes and areas were identified:
  - **Technology needs and needs assessments**
  - Technology information
  - Enabling environments
  - Capacity-building
  - Mechanisms for technology transfer



- **The key themes** for the technology framework are:
  - Innovation
  - Implementation
  - Enabling environments and capacity building
  - Collaboration and stakeholder engagement
  - Support
- Parties, observers and other stakeholders were invited to submit, by 10 April 2017, their views on the **principles and structure** of the technology framework.

**The principles** for the technology framework are:

- Coherence,
- Inclusiveness,
- Result-oriented approach,
- Transformational approach,
- Transparency,

The principles for the TF should guide the TM in implementing the Paris Agreement.

Parties agreed in May 2017 in Bonn that the possible headings of the technology framework include, inter alia,

Purpose,

Principles

Key themes.



**The ongoing work of the TEC and the CTCN**, was considered by Parties relevant for the elaboration of the TF, and in facilitating enhanced actions on technology development and transfer.

- Parties invited the TEC and the CTCN to provide by November 2017 information on the following:
  - 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;
  - 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.



## Evolution of TNA process

- The TNA process successfully went through 2 generations, managed by the UNDP&UNEP, and the UNEP, respectively.
- TNA methodology evolved significantly, and could be an example for other assessment processes,
- Implementation of TNA results is enhancing, and there is further potential to close the implementation gap, of often well drafted technology action plans, and project ideas.

## Possible considerations

- There is a need for well defined, mutually beneficial, and functional linkages between the Technology Mechanism and the Financial Mechanism through its operating entities, the GEF and the GCF.
- The existing finance and technical supporting mechanisms could foster implementation efforts of countries in near future.
- Possible development of new supporting mechanisms within, and outside the TNA process, such as project preparation facility, could facilitate effective turning of TAPs into  
“action on the ground”.

## TEC key messages on TNAs to Parties through the COP-22

- The TNA process should be **integrated with other mitigation and adaptation processes**. Strengthening linkages of TNA process with NDC and NAP processes would enhance their effectiveness and responsiveness towards implementation in developing countries. Technology action plans developed as part of the TNA process should be viewed as a platform for NDCs and NAPs implementation.
- **Enhanced financial, technical, and capacity building support** are needed to facilitate the implementation of technology action plans and updating of TNAs, which will bring economic, environmental and social benefits to countries. Further funding to conducting TNAs and to implement TNA results, beyond the current scope of the Global TNA project funding, is encouraged.



## TEC key messages on TNAs to Parties through the COP-22

- **A monitoring and evaluation system of TNA results** would deliver feedback, enhance learning, improve decision making and could be fed into national reporting systems.
- **Cooperation between countries** could help them implement the results of TNAs, beyond the current technical support provided, and beyond the current scale of implementation. Such cooperation may include information sharing on regional implementation of environmentally sound adaptation and mitigation technologies, related success stories, lessons learned, opportunities and challenges.



## Recent work of the TEC on TNAs includes:

Possible alignment of the technology needs assessment process and the process to formulate and implement national adaptation plans:

- The TEC considered and agreed with the updated outline of the paper presented by the secretariat on aligning TNAs with the process to formulate and implement national adaptation plans.
- The TEC invited its task force on TNA, AC, LEG and CTCN to aim to achieve results from this work before the launch of the Global TNA Phase III project by the end of 2017, in order to provide timely input for the 22 countries taking part in the project.

## Recent work of the TEC on TNAs includes:

Methodology on monitoring the technology needs assessment results:

- The TEC considered and agreed with the draft methodology on monitoring and evaluation of the implementation of TNA results,
- The TEC highlighted a need for collaboration between the NDEs and the TNA coordinators in this process, considering that NDEs are counterparts in their countries.
- The TEC agreed to:
  - (a) Test the monitoring process in a selected number of countries;
  - (b) Include UNEP-DTU Partnership and UNEP in its work on TNAs;
  - (c) Report on findings at TEC 15 meeting in September 2017.
  - (d) The TEC agreed that a methodology for tracking implementation of TNA results may be developed and included in the existing TNA guidance.





***Thank you***

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