



TFTEI

Under the Convention on Long Range Transboundary Air Pollution

Technology in the Framework Convention on Climate Change (UNFCCC)

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Introduction

In the process of the climate change, within the UNFCCC, the Parties have recognized the importance of the development and transfer of technology to the Developing Countries.

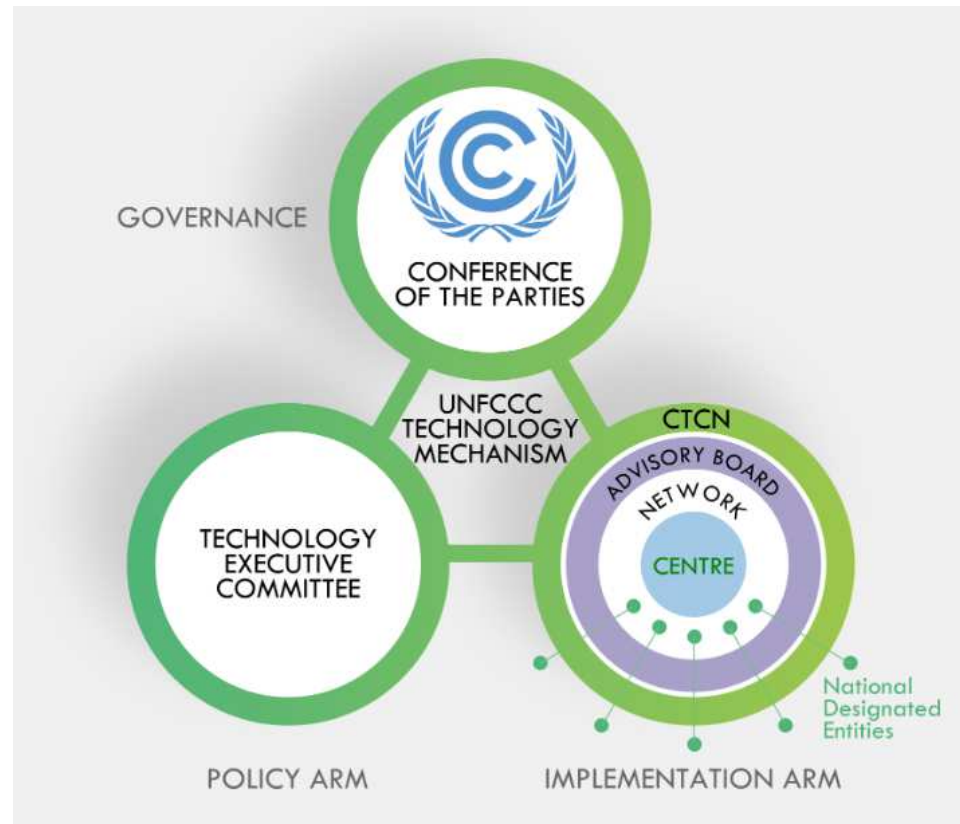
Therefore, in 2010, the Conference of the Parties (COP16 in Cancun), established the Technology Mechanism with the main following objective:

“develop and transfer climate technologies to the Developing Countries to ultimately reduce the GHG emissions (*mitigation*) and adapt to the adverse effect of the Climate Change (*adaptation*)”.

The Technology Mechanism

The Structure:

COP
TEC
CTCN



Technology Executive Committee (TEC)

T F T E I

The TEC is the policy arm of the UNFCCC Technology Mechanism.

Main Functions:

- Provide an overview of countries' climate technology needs
- Analyze policy and technical issues related to climate technology development and transfer
- Recommend actions to promote climate technology development and transfer
- Recommend guidance on climate technology policies and programmes

Technology Executive Committee (TEC)

T F T E I

Main Functions (cont'd):

- Promote and facilitate collaboration between climate technology stakeholders
- Recommend actions to address barriers to climate technology development and transfer
- Catalyze the development and use of climate technology road maps and action plans.

TEC engages with the Adaptation Committee, the Global Environment Facility, the Green Climate Fund and the Standing Committee on Finance to support the activities. Developed countries also establish bi-lateral programmes with the developing countries.

Climate Technology Centre and Network

T F T E I

The CTCN is the implementation arm of the Technology Mechanism

Main Functions:

- The CTCN provides free technical assistance and capacity building to developing countries on climate technology issues.
- Upon request received by the Developing Countries, the CTCN makes use of its global network of experts to design and deliver solutions tailored to the local needs

Climate Technology Centre and Network

T F T E I

Main Functions:

- the CTCN provides training and support to strengthen developing country capacity to identify technology options, make technology choices and operate, maintain and adapt technologies.
- CTCN creates access to information through its online knowledge portal which also serves as a library of climate technology information and tools.

Conference of the Parties Katowice, 2018

T F T E I

Outcome COP24:

- 1. Adopts the technology framework
- 2. Decides that the Technology Executive Committee and the Climate Technology Centre and Network, consistently with their respective functions, mandates and modalities of work, shall implement the technology framework in close collaboration under the guidance of the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement;

Conference of the Parties Katowice, 2018

T F T E I

Outcome COP24:

The Technology Mechanism will focus its work on the following Key Themes:

- (a) Fostering *innovation* through new collaborative approaches to climate technology research, development and demonstration (RD&D);
- (b) Facilitate the *implementation* of mitigation and adaptation action identified using planning tools
- (c) Creation and enhancement of an *enabling environment* and capacity-building;
- (d) Enhanced *engagement of stakeholders* at the local, regional, national and global level
- (e) The Paris Agreement states that *support*, including financial support, shall be provided to developing country Parties

Examples

Mitigation:

Promoting Sustainable Solar Photovoltaic Technologies in *Tanzania*

The programme was aimed at ensuring electricity supply, in rural areas, by off-grid solar photovoltaic systems in replacement of kerosene for lighting

Adaptation:

Ensuring fresh water and resilient housing for coastal populations in *Bangladesh*

Solutions identified: household-level desalination techniques and low-cost, climate-resilient housing options in coastal areas of Bangladesh.

Conclusions

The Technology Mechanism is the main instrument to improve and implement the most advanced technologies in the Developing Countries to tackle the adverse effects of the Climate Change

Adequate financial instruments are needed to achieve the final objective. A number of financial institutions are involved.

Ad hoc solutions for Mitigation and Adaptation, in the Developing Countries, are found by the application of state-of-art technologies, through the support of the Technology Mechanism.

References

The Framework Convention on Climate Change
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Climate Technology Centre & Network
<https://www.ctc-n.org/>