

Technology development and transfer under the UNFCCC: COP 28 & SB 60



Sousan Torabiparizi,
Programme Officer, Technology sub-division, UNFCCC secretariat

Evolution of technology development and transfer under the Convention and the Paris Agreement



Technology under UNFCCC (Rio 1992)

Article 4 of the Convention

“All Parties ... shall promote and cooperate in the development, application and diffusion, including transfer, of technologies, practices and processes that control, reduce or prevent anthropogenic emissions of greenhouse gases...” Article 4.1(c)

“The developed country Parties ... shall take all practicable steps to promote, facilitate and finance, as appropriate, the transfer of, or access to, environmentally sound technologies and know-how to other Parties, particularly developing country Parties, to enable them to implement the provisions of the Convention.” Article 4.5



Major milestones on Technology

2001 – COP 7, Marrakech

- Technology Transfer Framework, comprising five elements: (i) technology needs assessments (TNAs), (ii) technology information, (iii) enabling environments, (iv) capacity-building, (v) mechanisms for technology transfer
- Expert Group on Technology Transfer (EGTT)



2007 – COP 13, Bali

- Recommendations for enhancing Technology Transfer Framework
- Emerged additional four themes under the mechanisms for technology transfer: (1) innovative financing, (2) international cooperation, (3) endogenous technology development, (4) collaborative R&D



Major milestones on Technology

2008 – COP 14, Poznan

- Poznan Strategic Programme on Technology Transfer, funded by the Global Environment Facility (GEF), has supported: the undertaking of TNAs, piloted priority technology projects, established regional climate technology centers, and disseminated good practices and lesson learned



2010 – COP 16, Cancun

- The **Technology Mechanism** was established, consisted of the Technology Executive Committee and Climate Technology Centre and Network, to enhance action on climate technology development and transfer



Paris Agreement (2015)

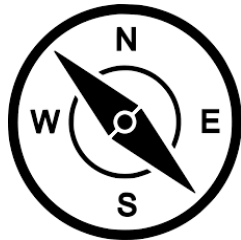
- Article 10: Technology development and transfer
 - **Long-term vision** on technology development and transfer to support mitigation and adaptation
 - Parties' **strengthening cooperative action** on technology development and transfer
 - **Technology Mechanism** serving the Agreement
 - Establishment 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 13: Enhanced transparency framework for action & support
- Article 14: Global stocktake



Paris Agreement Technology Framework (2018)



Purpose: Overarching guidance to the work of the TEC and the CTCN in support of the Paris Agreement



Principles: Coherence, inclusiveness, results-oriented approach, transformational approach and transparency



Key themes:

- Innovation
- Implementation
- Enabling environment and capacity-building
- Collaboration and stakeholder engagement
- Support

Negotiation outcomes of COP 28 and SB 60



Technology Agenda Items in COP 28 and SB 60

Agenda items – COP 28/CMA 5	Decision number
<ul style="list-style-type: none">Joint Annual report TEC and CTCN (COP, CMA)	<u>Decision 9/CP.28</u> <u>Decision 14/CMA.5</u>
<ul style="list-style-type: none">Technology in the outcome of the first global stocktake (CMA)	<u>Decision 1/CMA.5</u>
<ul style="list-style-type: none">Linkages between the Technology Mechanism and the Financial Mechanism (COP)	<u>Decision 10/CP.28</u>

Agenda item – SB 60	
<ul style="list-style-type: none">Linkages between the Technology Mechanism and the Financial Mechanism	



Joint annual report of the TEC and CTCN for 2023 (COP 28/CMA 5)

- The COP/CMA welcomed the annual report of the TEC and CTCN and progress of implementation of the joint work programme of the Technology Mechanism for 2023–2027 and welcomed the enhanced coordination
- Continue efforts on systematic feedback on their work
- Welcomed the engagement with the NDEs
- Noted the Technology Mechanism Initiative on AI
- Commended efforts to mainstream gender consideration in the implementation of the JWP
- Noted with appreciation reporting on action taken in response to mandates



Linkages between the Technology Mechanism and Financial Mechanism (COP 28)

- The COP invited submissions on views on maintaining and enhancing collaboration and cooperation between the Technology Mechanism and the Financial Mechanism, including on linkages between the Mechanisms
- The COP requested the TEC and CTCN, in consultation with the Chair of the SBI, to organize an in-session workshop SBI 60
- The COP requested SBI 60 to initiate discussion with a view to recommending a draft decision in COP 29
- Synthesis report was prepared by the secretariat.
 - Total of 11 Parties, on behalf of 169 Parties made submissions
 - 6 other stakeholders also made submissions



Linkages between the Technology Mechanism and Financial Mechanism (SBI 60)

- The in-session workshop that took place to take stock of the linkages between the Technology Mechanism and the Financial Mechanism and explore ways to maintain and enhance linkages ended in great success.
- SBI 60 considered linkages, collaboration and cooperation between the Technology Mechanism and the Financial Mechanism, taking into account the submissions by Parties and other stakeholders, the synthesis report prepared by the secretariat, and the in-session workshop.
- SBI 60 agreed to continue consideration of this matter at SBI 61 with a view to recommending a draft decision for consideration and adoption at COP 29, taking into account the draft text on the UNFCCC website.



Establishment of the Technology Implementation Programme

Decision 1/CMA.5 on the outcome of the first GST, para 110, established a technology implementation programme (TIP):

- Supported by, inter alia, the operating entities of the Financial Mechanism
- To strengthen support for the implementation of technology priorities identified by developing countries
- To address challenges identified in the first periodic assessment of the Technology Mechanism
- The TIP will for the first time be discussed at SBI 61 under the PSP item

- **Joint annual report TEC & CTCN (COP/CMA)**
- **Poznan strategic program on technology transfer (COP)**
- **Linkages between the Technology Mechanism and the Financial Mechanism (COP)**
- **Technology Implementation Programme (CMA)**

TT clear: Information on negotiations

TT-CLEAR

TEC Projects Policies TNA NDCs Support **Negotiations** Events & Media

Negotiations

Information on climate technology negotiations

OVERVIEW
SESSIONS
DECISIONS
CONCLUSIONS
KEY DOCUMENTS

Technology and UNFCCC
Article 10 of Paris Agreement
Technology framework
COP decisions booklet
CMA decisions booklet
SBI conclusions booklet
SBSTA conclusions booklet

NEGOTIATING SESSIONS

At each UNFCCC negotiating session, Parties consider issues related to climate technology development and transfer. This page provides summaries of the climate technology issues discussed at each of these sessions. It also contains the documents that the Parties considered.

Bonn climate change conference June 2024 Bonn, Germany	+
Dubai climate change conference (COP 28) November - December 2023 Dubai, United Arab Emirates	
Bonn climate change conference June 2023 Bonn, Germany	+
Sharm el-Sheikh climate change conference (COP 27) November 2022 Sharm el-Sheikh, Egypt	+

<https://unfccc.int/ttclear/negotiations/sessions.html>



UNFCCC secretariat work on technology development and transfer



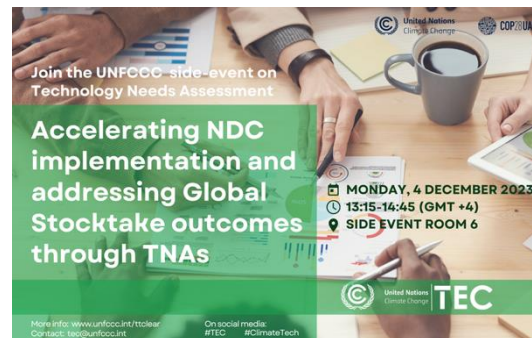
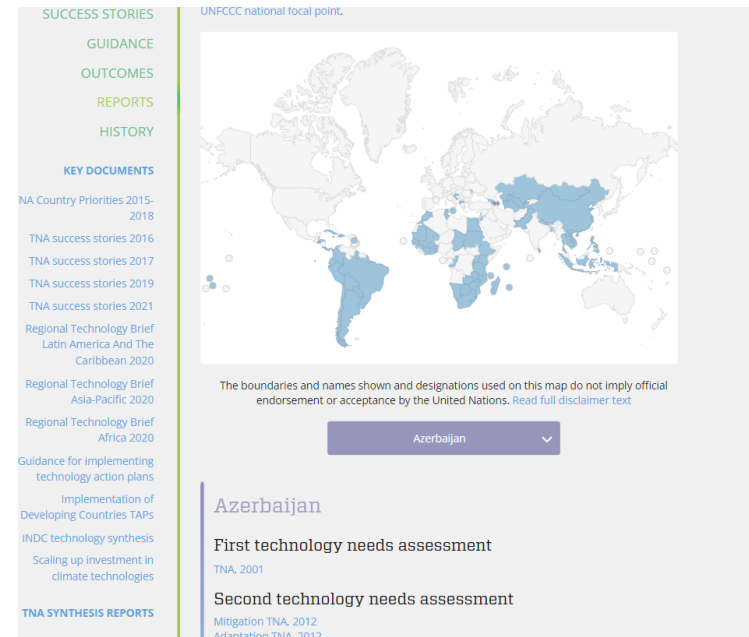
Nationally Determined Contributions (NDCs)

- **Analysis of technology components of NDCs**
 - Structure and depth of information, including qualitative & quantitative aspects / specific projects
 - Focus areas: technology needs; specific technologies to be deployed; policy, regulatory and legal aspects; innovation and R&D; institutional strengthening, types of international cooperation
- **Inputs to the UNFCCC secretariat's broader work on NDCs**
 - NDC synthesis reports
 - NDCs 3.0



Technology Needs Assessment (TNAs)

- **Support the Global TNA Project** by UNEPCCC, funded by the GEF (Steering Committee, Evaluation)
- **Global TNA database**
- **Regular TNA synthesis reports**
- **Inputs on TNAs to other processes, e.g. Global Stocktake**
- **Awareness-raising**



Information, data and analysis on other technology matters

- Synthesis of information on technology development and transfer contained in countries' LT-LEDS, National Communications, Biennial Report, Biennial Update Reports etc
- Inputs to the Global Stocktake, the periodic assessment of the Technology Mechanism; and reports by other UN entities;
- TT:Clear - UNFCCC home for climate technology
- UNFCCC database on policies and technologies for mitigation



Thank you!

More information:

<https://unfccc.int/ttclear>

