

Technology Development & Transfer under the UNFCCC

Outcomes of COP 30 and outlook for 2026

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United Nations
Climate Change

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

Technology under the UNFCCC



UNITED NATIONS CONFERENCE ON
ENVIRONMENT AND DEVELOPMENT

Rio de Janeiro 3 – 14 June 1992



1992 - Earth Summit, Rio | UNFCCC | 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

Technology under the UNFCCC - Major milestones

2010 – COP 16, Cancun | Establishment of the Technology Mechanism

Technology Executive Committee (TEC)

- Policy arm of the Mechanism
- Conduct policy-focused work to accelerate technology development & transfer, e.g. through dialogues, technical papers, analyses, briefs, recommendation & global initiatives
- Supported by UNFCCC secretariat

Climate Technology Centre and Network (CTCN)

- Implementation arm of the Mechanism
- Support country efforts on technology development & transfer e.g. through technical assistance, capacity-building & knowledge sharing
- Network of 900+ organizations
- Hosted by the UNEP



Technology under the Paris Agreement

2015 – COP 21, Paris | Paris Agreement | Article 10 on technology development and transfer

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- *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*

Technology under the Paris Agreement – Major milestones

2018 – COP 24/CMA 3, Katowice

Adoption of the Technology Framework under the Paris Agreement

- 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

2023 – COP 28/CMA 5, Dubai | First Global Stocktake under the Paris Agreement

Establishment of 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

Technology under the Paris Agreement – Major milestones



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COP30
BRASIL
AMAZÔNIA
BELÉM 2025

2025 – COP 30/CMA 7, Belém | Adoption of the Belém Technology Implementation Programme

- *Addressing challenges encountered by developing countries at different stages of the technology cycle;*
- *Strengthening national systems of innovation and enabling environments;*
- *Supporting efforts to integrate climate-technology priorities into policies and programmes;*
- *Enhancing capacities to prepare and secure funding for climate-technology projects and fostering effective matchmaking to accelerate project implementation; and*
- *Mobilizing both financial and non-financial resources to enhance support to the Technology Mechanism.*

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BEM-VINDO(A) #COP30



Negotiation outcomes of COP 30 and the road to Antalya

Outcomes of the Belém Climate Change Conference (Nov 2025)

Review of the functions of the CTC

Decision -/CP.30 & -/CMA.7 (Nov 2025)

Parties extended the term of the CTC until the end of 2041, adopted its revised functions, and launched the process (incl. the criteria) for evaluating and selecting the new host of the CTC. An evaluation panel, consisting of members of the TEC and the CTCN Advisory Board is convened by the secretariat to conduct the evaluation.

What is next?

Interested organizations were invited to submit proposals by 16 March 2026. The evaluation panel is in the process of reviewing the proposals and preparing the evaluation report. Parties will consider the report at SBI 64, with a view to recommending a draft decision on the new host of the CTC secretariat to COP 31.

Belém Technology Implementation Programme

Decision -/CMA.7 (Nov 2025)

Parties adopted the Belém TIP as part of the Belém political package. The decision sets out, inter alia, the strategic direction, guiding principles and key elements for the implementation of the Belém TIP. Running at least until 2034, with the possibility of extension, this is the first implementation programme under the Paris Agreement.

What is next?

Implementation of the Belém TIP is underway. The TEC and CTCN will discuss mandates to them emerging from the Belém TIP at their upcoming meetings. Parties and non-Party stakeholders are invited to submit views on proposed topics for the first global in-session dialogue (June 2027) under the Belém TIP [through the UNFCCC submissions portal](#) by 1 July 2026.

*The SBI will continue the consideration of agenda items related to the “Joint annual report of the TEC and CTCN for 2025” and “Linkages between the Technology Mechanism & the Financial Mechanism” on the basis of draft text prepared at earlier session.

Technology at 2026 UNFCCC sessions (SB 64-65 | COP 31 | CMA 8)

Agenda items – Bonn Climate Change Conference (June 2026)

SBI	Host of the Climate Technology Centre
SBI	Poznan strategic programme on technology transfer
SBI	Second periodic assessment referred to in paragraph 69 of decision 1/CP.21
SBI	Alignment between processes pertaining to the review of the CTCN and the periodic assessment of the Technology Mechanism
SBI	Linkages between the Technology Mechanism and the Financial Mechanism
SBs	Joint annual report of the TEC and CTCN (2025)

Agenda items – Antalya Climate Change Conference (November 2026)

SBI, COP, CMA	Host of the Climate Technology Centre
SBI, COP	Third independent review of the CTCN
SBI, COP	Poznan strategic programme on technology transfer
SBI, COP	Linkages between the Technology Mechanism and the Financial Mechanism
SBs, COP, CMA	Joint annual report of the TEC and CTCN
SBI, COP, CMA	Alignment between processes pertaining to the review of the CTCN and the periodic assessment of the Technology Mechanism



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