

Technology Mechanism

Enhancing climate technology
development and transfer



United Nations
Framework Convention on
Climate Change

Technology Mechanism

Enhancing climate technology development and transfer

The Technology Mechanism supports country efforts to accelerate and enhance action on climate change. It helps countries to develop and transfer climate technologies so that they can effectively reduce greenhouse gas emissions and adapt to the adverse effects of the changing climate.

Climate technology

Technologies play a central role in acting on climate change. Climate technologies that help us to reduce greenhouse gas emissions include renewable energies such as wind energy, solar power and hydropower. To help us to adapt to the adverse effects of climate change, we use climate technologies such as drought-resistant crops, early warning systems and sea walls. There are also 'soft' climate technologies, such as energy-efficient practices and know-how to operate machinery.

United Nations climate technology action

Within the United Nations Framework Convention on Climate Change (UNFCCC) process, countries have confirmed the importance of enhancing the development and transfer of climate technologies to developing countries. To facilitate action in this regard, in 2010 the Conference of the Parties to the Convention established the Technology Mechanism. The Mechanism consists of two complementary bodies that work together to achieve its objective: the Technology Executive Committee (TEC) and the Climate Technology Centre and Network (CTCN).

A CLIMATE TECHNOLOGY IS ANY EQUIPMENT,
TECHNIQUE, PRACTICAL KNOWLEDGE OR
SKILL NEEDED TO REDUCE GREENHOUSE GAS
EMISSIONS OR ADAPT TO CLIMATE CHANGE.



Photo: Mumbai caltroplike seashore defence.
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Working together to support countries

The Technology Mechanism's two bodies, the TEC and the CTCN, work together to enhance climate technology action. Their complementary functions support developing country efforts to address both policy and implementation aspects of climate technology development and transfer. They work to enrich coherence and synergy in the delivery of climate technology support and respond effectively to the needs of countries. Contact the TEC and the CTCN today to find out how your country can be supported (see back cover for contact details).

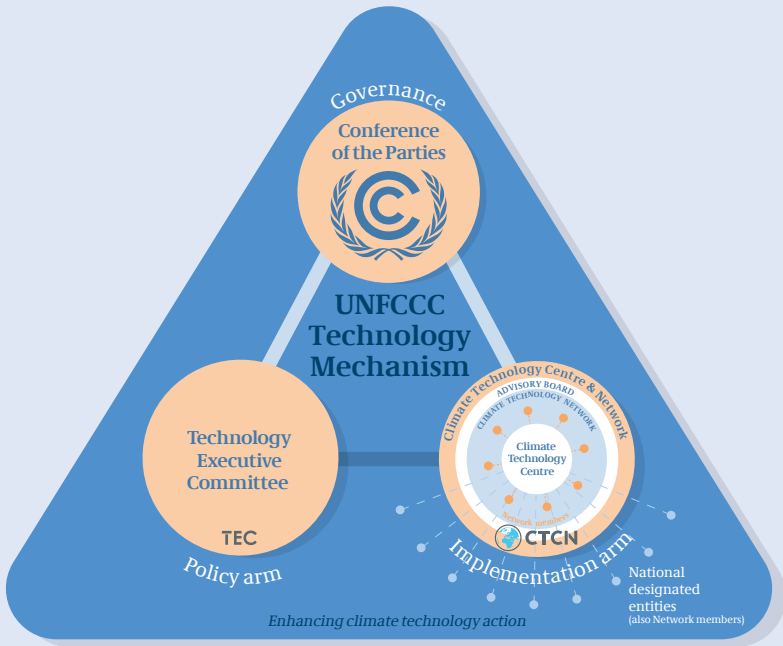


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TECHNOLOGY EXECUTIVE COMMITTEE

THE TEC ADDRESSES POLICY ISSUES RELATED TO CLIMATE TECHNOLOGY DEVELOPMENT AND TRANSFER. IT ANALYSES THESE ISSUES AND PROVIDES RECOMMENDATIONS THAT SUPPORT COUNTRY EFFORTS TO ENHANCE CLIMATE TECHNOLOGY DEVELOPMENT AND TRANSFER.

Find out more

Want to know more about the TEC and its work? The UNFCCC online technology platform, TT:CLEAR, contains comprehensive information on the Committee. TT:CLEAR also contains a Technology Portal, which showcases hundreds of developing country technology action plans and project ideas. These were extracted from country technology needs assessment reports and highlight ways to enhance climate action. See <www.unfccc.int/ttclear>.



Technology Executive Committee

Addressing climate technology issues

The TEC is the policy arm of the UNFCCC Technology Mechanism. It consists of 20 technology experts representing both developing and developed countries. The TEC meets several times a year and holds climate technology events that support efforts to address key technology policy issues.

Catalysing climate technology efforts

One of the TEC's key outputs is its annual key messages and recommendations to the UNFCCC Conference of the Parties, through which the TEC highlights measures that countries may take to accelerate climate technology action nationally, regionally and internationally. The TEC also produces policy briefs, called TEC Briefs, and other technical documents to inform stakeholders and catalyse climate technology efforts. In addition, the TEC strengthens collaboration and cooperation on climate technology action by holding events throughout the year.

Focus areas

Since its inception in 2010, the TEC has undertaken work on key areas of climate technology development and transfer. These include: climate technology financing; enabling environments and barriers; national systems of innovation; research, development and demonstration of technology; technologies for adaptation; technologies for mitigation; technology needs assessments; technology road maps; and strategic and emerging issues.

Collaborating to enhance coherence

The TEC works closely with UNFCCC entities and key technology stakeholders to catalyse climate technology action. In addition to the CTCN, the TEC engages with entities such as the Adaptation Committee, the Global Environment Facility, the Green Climate Fund and the Standing Committee on Finance. The TEC also supports the work of the UNFCCC subsidiary bodies and ad-hoc working groups. Furthermore, all stakeholders are invited to participate meaningfully and actively in the TEC's work. Collaboration with all of these actors helps the TEC to provide policy recommendations that are effective and inclusive.

The functions of the TEC

- Provide an overview of countries' climate technology needs
- Analyse 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
- Promote and facilitate collaboration between climate technology stakeholders
- Recommend actions to address barriers to climate technology development and transfer
- Seek cooperation with stakeholders and promote coherence across technology activities
- Catalyse the development and use of climate technology road maps and action plans



CLIMATE TECHNOLOGY CENTRE AND NETWORK

THE CTCN PROMOTES THE ACCELERATED DEVELOPMENT AND TRANSFER OF CLIMATE TECHNOLOGIES AT THE REQUEST OF DEVELOPING COUNTRIES FOR ENERGY-EFFICIENT, LOW-CARBON AND CLIMATE-RESILIENT DEVELOPMENT.



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The Climate Technology Centre and Network

Fostering climate technology development and transfer through three core services

The CTCN is the operational arm of the Technology Mechanism. It is hosted by the United Nations Environment Programme, in collaboration with the United Nations Industrial Development Organization, and is supported by 11 partner institutions with expertise in climate technologies. The centre facilitates a network of national, regional, sectoral and international technology centres, networks, organizations and private sector entities.

Providing technical assistance

The CTCN provides free technical assistance to developing countries on climate technology issues. Developing countries may send a request to the CTCN via their nationally selected focal point, called a national designated entity (NDE). Upon receiving the request, the Climate Technology Centre quickly mobilizes its global network of experts to design and deliver a solution tailored to local needs. To contact your country's NDE, visit <www.ctc-n.org>.

Creating access to information

The CTCN's online knowledge portal, at <www.ctc-n.org>, serves as a gateway to the CTCN's technical assistance and capacity-building services. It also serves as a library of climate technology information and tools, organized by geographical region and technology sector, which is made available through an open-source database. In addition, the CTCN provides training and support to strengthen developing country capacity to identify technology options, make technology choices and operate, maintain and adapt technologies.

Scaling up international collaboration

Membership of the Climate Technology Network provides access to a diverse global community of climate technology users, national decision makers and financiers, under the umbrella of the Technology Mechanism. The Climate Technology Network comprises academic, civil society, finance, private sector, public sector and research entities, as well as over 130 CTCN national focal points (NDEs). Network members gain the opportunity to bid for the delivery of CTCN technical assistance and to showcase relevant experience, reports and technologies.



CTCN technical assistance on climate technologies is provided:

- To developing countries via a request sent by their NDE
- Free of charge (with a value of up to USD 250,000)
- At the local, national and regional level
- To public, academic, non-governmental and private sector entities
- For adaptation and emission reduction technologies
- At all stages of the technology cycle



Photo: Wind power generator, Daegwallyeong by kdj71190 is licensed under CC0 1.0

Find out more

- Want to read the TEC's latest key messages and recommendations on climate technology?
- Want to enquire how your country can receive CTCN technical assistance?
- Are you an organization or company interested in joining the CTCN network?
- Want to support the Technology Mechanism?

Contact Details

Contact the TEC through the UNFCCC secretariat,
Platz der Vereinten Nationen 1, 53113 Bonn, Germany
Telephone +49 228 815 10 00
E-mail TEC@unfccc.int | Website www.unfccc.int/ttclear.

Climate Technology Centre and Network,
UN City, Marmorvej 51, 2100 Copenhagen, Denmark
Telephone +45 4533 5372
E-mail CTCN@unep.org | Website www.ctc-n.org.

Send a tweet to the Technology Mechanism bodies using the Twitter Hashtag #climatetech

