



**GPIC
2023**

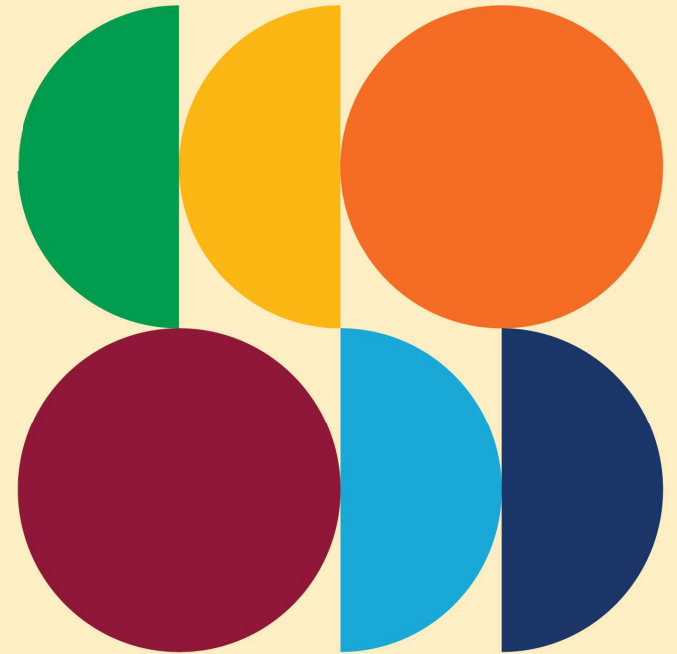


United Nations
Climate Change

TEC



CTCN
UN Climate Technology Centre & Network



TECHNOLOGY MECHANISM

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Manager Climate Technology, UNFCCC

FROM INVESTMENT TO IMPACTS
4-5 SEPTEMBER 2023, NAIROBI, KENYA

WHO WE ARE



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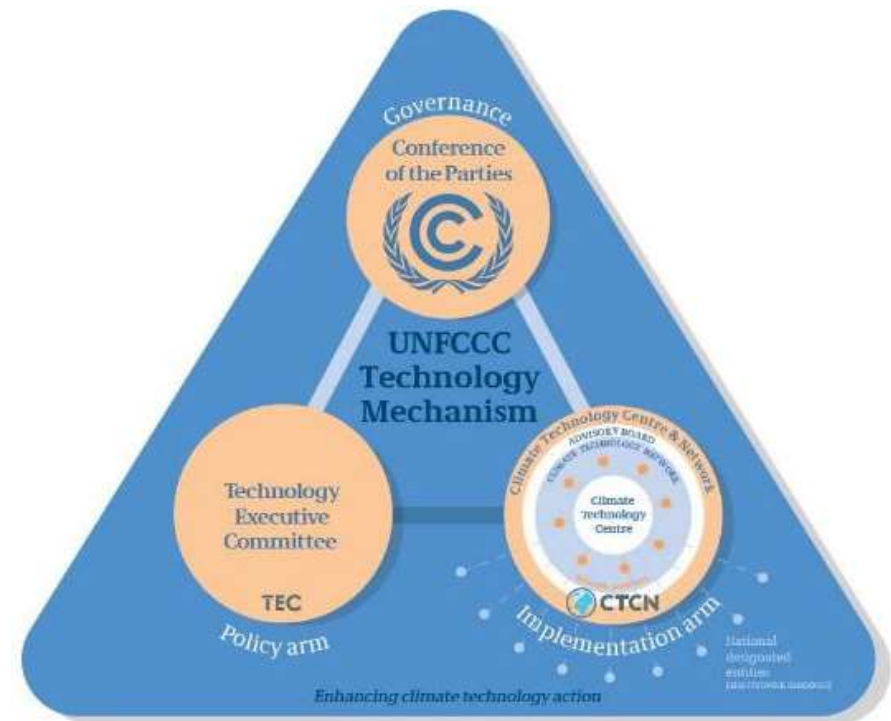
- Created by the COP in 2010
- Mechanism to enhance action on climate technology development and transfer

Technology Executive Committee (TEC)

- Policy arm: addresses policy issues related to climate technology development and transfer
- Supported by UNFCCC

Climate Technology Centre and Network (CTCN)

- Implementation arm: supports country efforts to enhance implementation of climate technology projects and programmes
- Supports implementation through 3 core services
- Centre hosted by UNEP

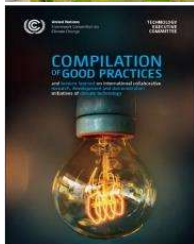
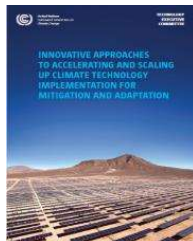
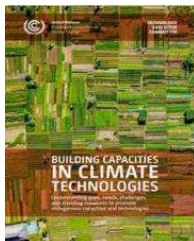


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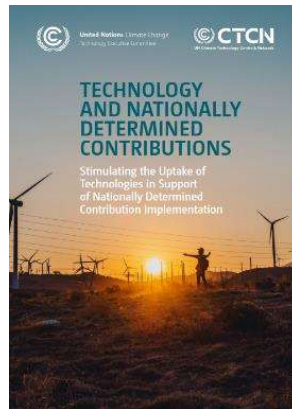
WHAT WE DO

Technology Executive Committee

- Policy recommendations
- Climate tech publications, TEC Briefs
- Technology events, thematic dialogues, workshops
- Collaboration with Financial Mech, UN agencies, observers, Non-Parties stakeholders



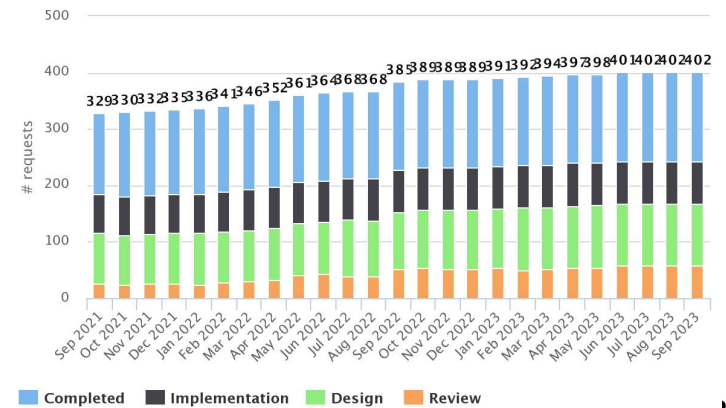
Joint work TEC & CTCN



Climate Technology Centre & Network

- Provides technical assistance requested by developing countries (430 in 110 countries)
- Knowledge sharing and collaboration
- Network and capacity building
- Over 800 network members

Requests by stage (Country wise - past 24 months)



PRIORITIES MOVING FORWARD



Technology roadmaps



Digitalization

Joint Work Programme of the UNFCCC Technology Mechanism for 2023–2027 Accelerating Climate Action through Technology Development and Transfer



National Systems of Innovation



Water-Energy-Food systems



Energy systems



Buildings and resilient infrastructure



Business and Industry



Technology Needs Assessment

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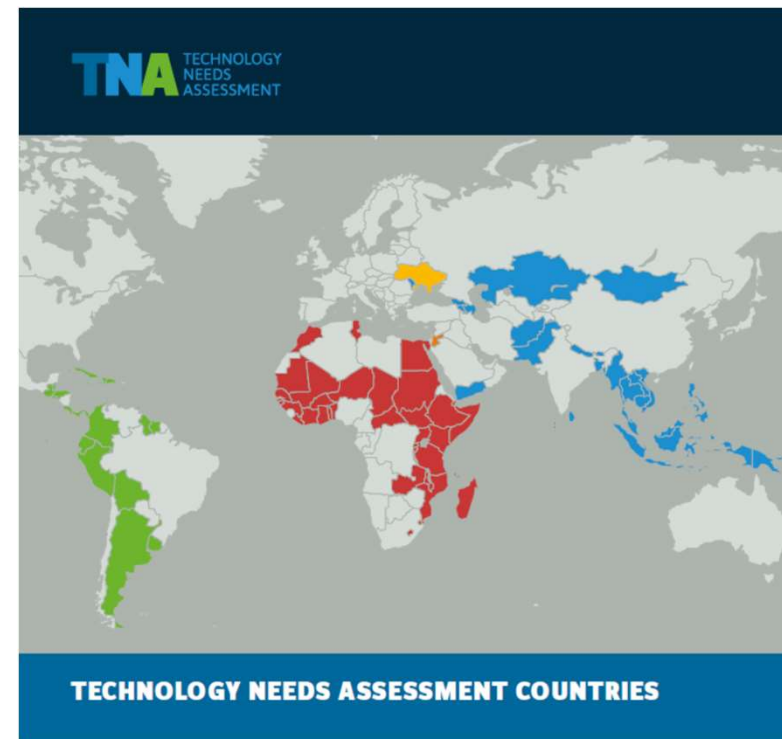
TECHNOLOGY NEEDS ASSESSMENT



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<https://unfccc.int/ttclear/tna>

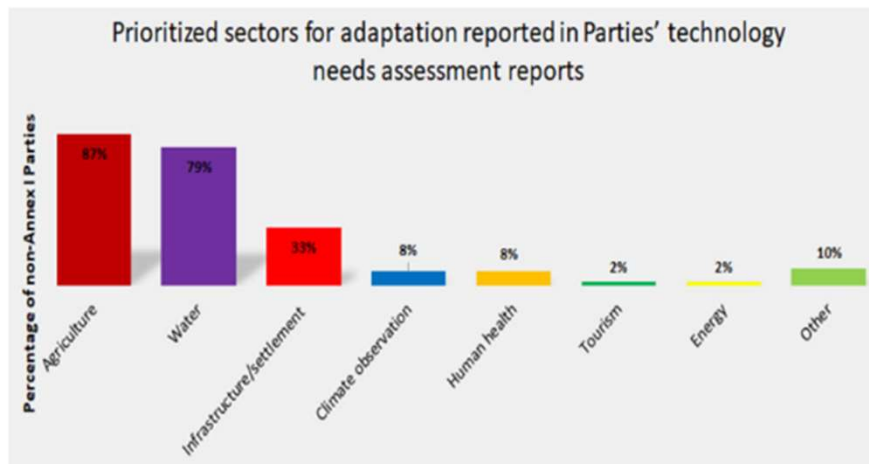
- Country driven and nationally endorsed climate technology needs identification process
 - Developed by national TNA teams in collaboration with key stakeholders, **including private sector and finance community**
 - Accompanied by a rich capacity building and technical support
 - Aligned with national development objectives and climate pathways
 - Analysis include: priorities of sectors and technologies in mitigation and adaptation; barriers and enablers to technology implementation
- Support via Global TNA project - **GEF**
 - Technical and methodological support - **UNEP-DTU, UNEP-CCC**
 - **GCF** strategic plan identifies NDC and TNA as reference points for GCF programming; GCF support under its readiness programme



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TNA OUTPUTS



- **>90** developing countries completed TNA
- **~1000 technology action plans (TAPs) / project ideas** developed
 - 53% for adaptation technologies
 - 47% for mitigation technologies
- **26** countries refer to TNA or TAPs in their national climate plans/NDCs

Examples:

- **Lebanon** : Used the TNA process to focus on four sectors. Outputs were used in many national reports and by policy-makers and technical experts to guide proposals, identify capacity-building needs, and request technical assistance
- **Georgia** : Implemented a project based on its TNA results to promote the adoption of energy-efficient lighting technologies. TAP outlines a project to introduce wind power technologies – untapped potential.
- **Lesotho, Malawi, Zambia** : Tapping synergies from TNA results to implement a programmatic approach under the GCF-funded readiness support programme, the “National Framework for Leapfrogging to Energy Efficient Appliances and Equipments”



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