

10 YEARS
2014
–
2024

CTCN's Role and Support in Technology Transfer

SBI 60 in-session workshop on Article 6.8

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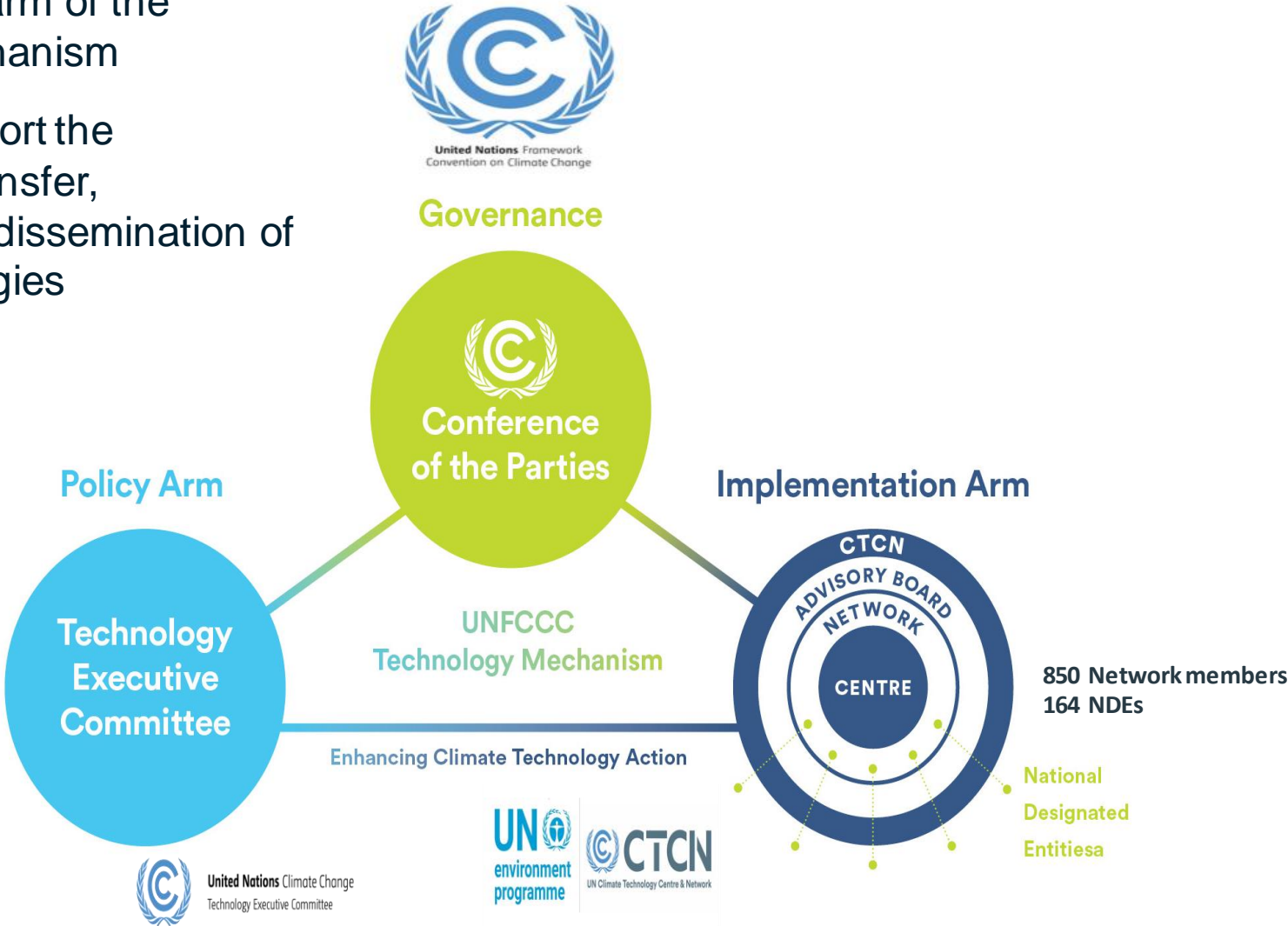
CTCN

Introduction and

Services

Introduction to the CTCN

- Implementation arm of the Technology Mechanism
- Mandate to support the development, transfer, deployment and dissemination of climate technologies



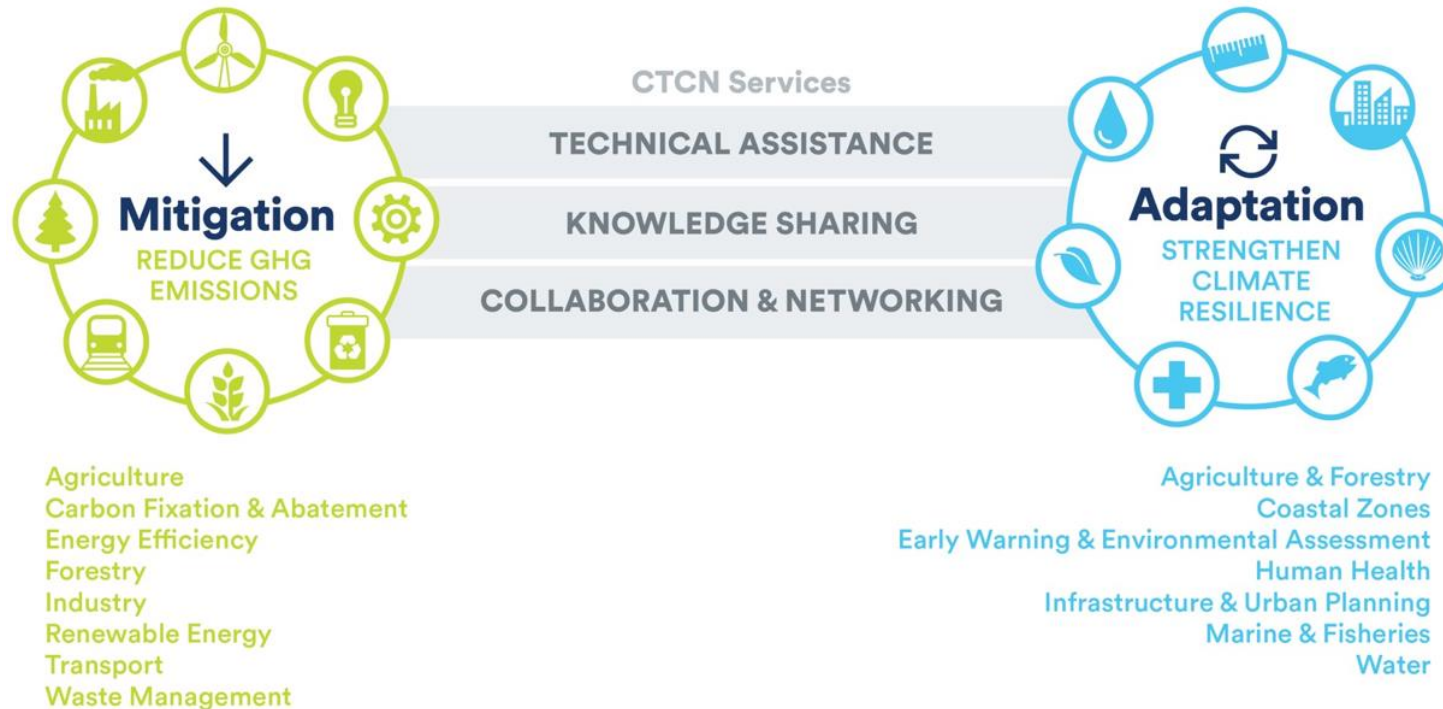
What is Technology Transfer?

Technology transfer encompasses the broad set of processes that cover the flows of knowledge, experience, and equipment for mitigating and adapting to climate change among different stakeholders. It comprises the process of learning to understand, utilize, and replicate the technology, including the capacity to choose it, adapt it to local conditions, and integrate it with indigenous technologies.

IPCC Special Report on Methodological and Technological Issues in Technology Transfer, 2000

Introduction to the CTCN

- Key service areas
 - technical assistance in response to requests received by developing countries
 - knowledge sharing to enhance capacity of countries to identify, design, adapt technology solutions
 - capacity building and network to connect diverse stakeholder groups



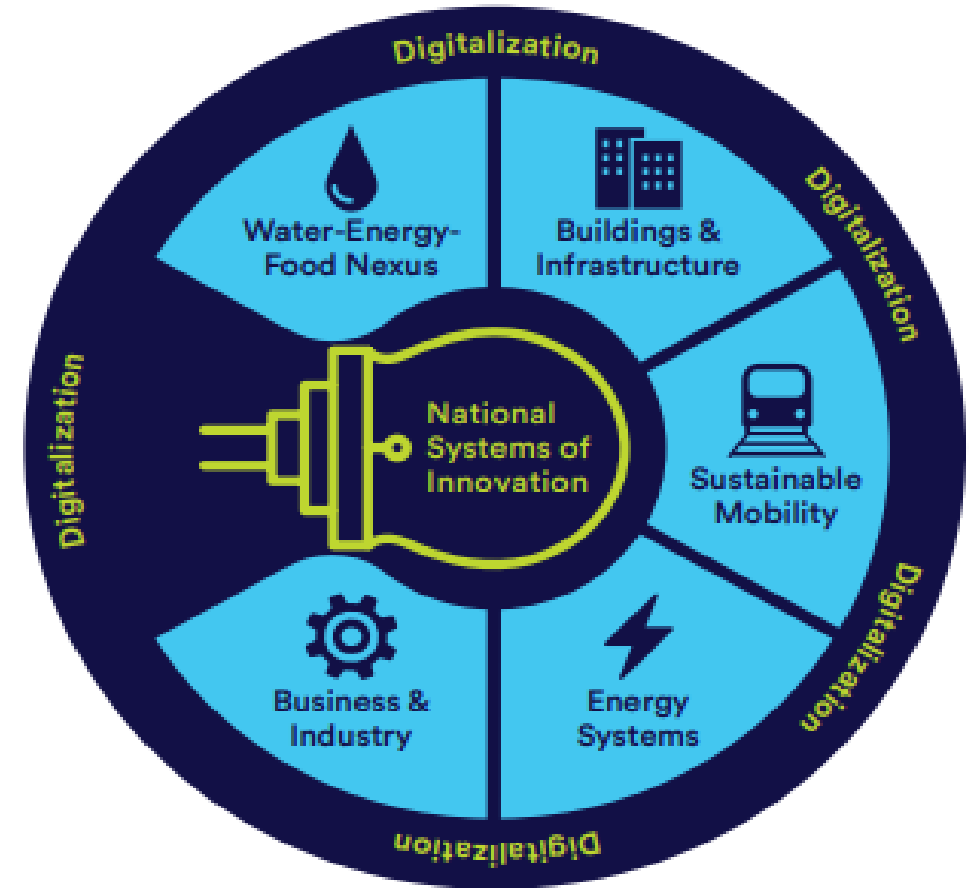
Key Themes of Technology Framework

1. Innovation
2. Implementation
3. Enabling Environment and Capacity Building
4. Collaboration and Stakeholder engagement
5. Support

Third Programme of Work (2023-2027)

The goal of this programme of work is to enable the CTCN to fulfil its mandate under the United Nations Framework Convention on Climate Change (UNFCCC) and the Paris Agreement. Accordingly, the objective of the third programme of work is to:

“Support Parties to achieve their commitments to the Paris Agreement through technology development and transfer and to implement their NDCs, improve resilience to climate change impacts and mitigate climate change.”



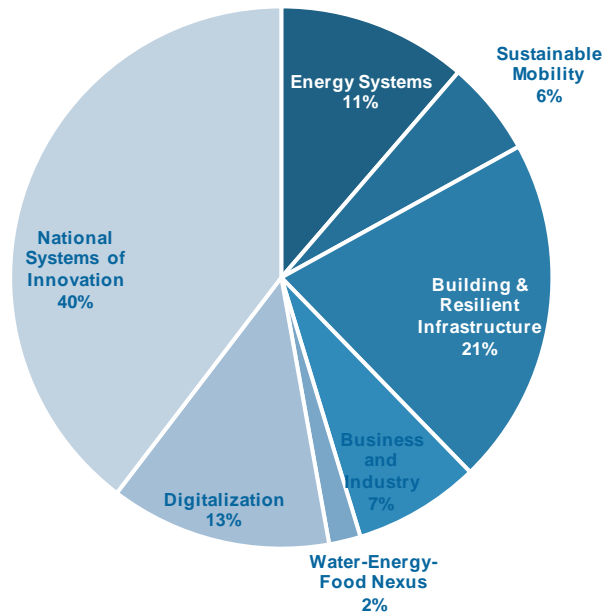
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Summary of Portfolio

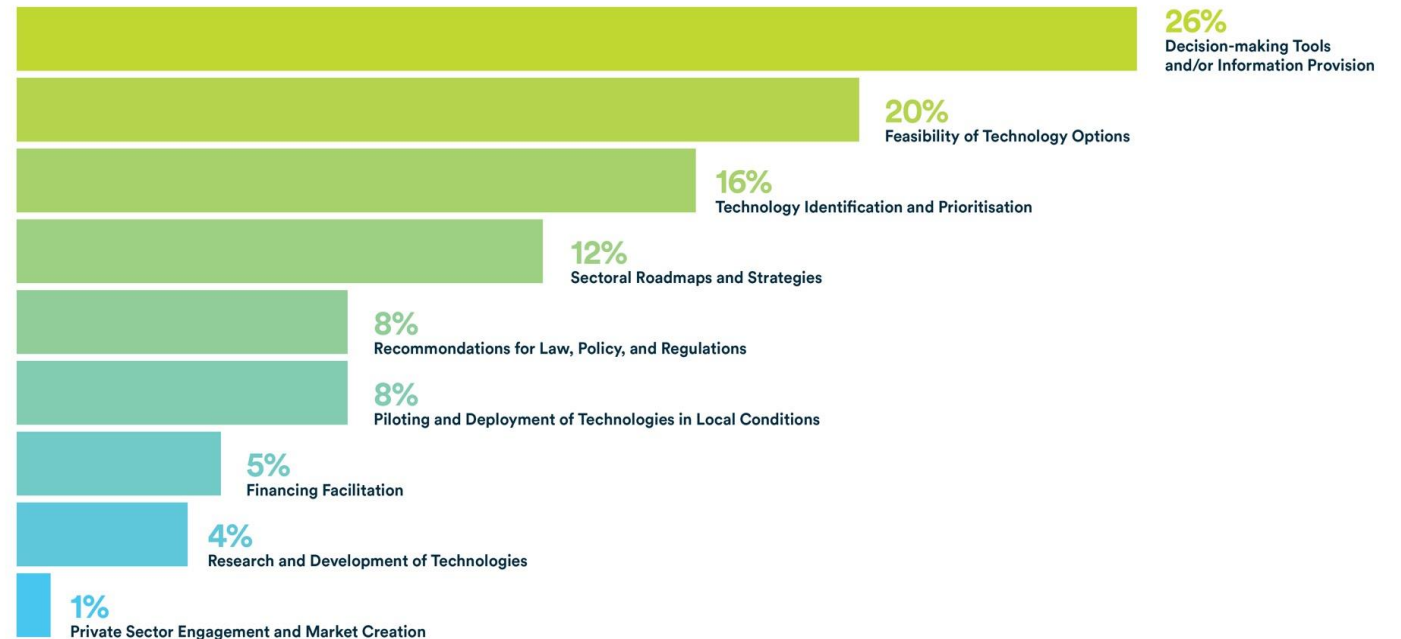
CTCN Portfolio

- Total over 500 TA requests received from developing countries on their climate technology needs.
- Among all, 374 TA projects were supported by the CTCN, across various sectors in mitigation and adaptation,
- Serving 115 countries, prioritizing LDCs and SIDS.

Technical Assistance by PoW (in 2023 figure)



Type of services provided



CTCN in Numbers



2014–2024 SNAPSHOT

500+
requests for technical assistance received



370+
technical assistance projects implemented



1.5
billion of anticipated funding leveraged**

** Calculated considering a yearly operational budget of USD 10 million.



110+
developing countries benefiting from CTCN technical assistance, of which 38% are Least Developed Countries (LDCs) and 16% are Small Island Developing States (SIDS)



4,600+
trained individuals



3–4
capacity building initiatives per month on average

200+
million anticipated beneficiaries



10–15
million - expected tonnes of CO₂e_q reduced per year*

* Average annual GHG emission potential based on the full implementation of the technology solutions proposed.



840+
Network members

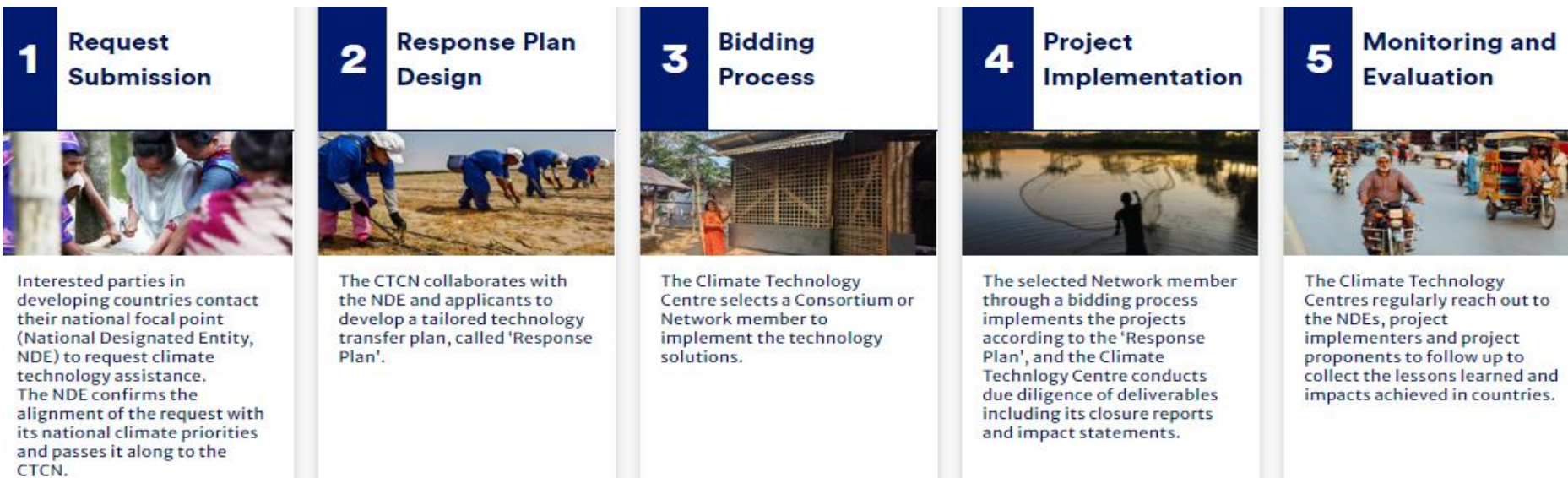


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TA Process

TA process

- To developing countries at the request of their NDEs,
 - With a value up to 250,000 USD
 - At local, national or regional levels,
 - To academic, public, NGO, or private sector entities,
 - For a broad range of adaptation and mitigation technologies,
 - At all stages of the technology cycle: from identification of climate technology needs; policy assessment; selection and piloting of technological solutions; to assistance that supports technology customization and widespread deployment.
- How it works :



Who can apply (1/2)

- Interested parties contact their country focal points (NDEs) to request climate technology assistance,
- for the type of services such as,
 - Decision-making tools and/or information provision
 - Feasibility of technology options
 - Technology identification and prioritization
 - Sectoral roadmaps and strategies
 - Recommendations for law, policy and regulations
 - Piloting and deployment of technologies in local conditions
 - Financing facilitation
 - Research and development of technologies
 - Private sector engagement and market creation
- Across all technology cycle

Who can apply (2/2)

- An NDE confirms the alignment of the request with its national climate priorities and submits the TA request to the CTCN secretariat.
- The CTCN evaluates, prioritizes the requests with the following criteria :



Eligibility

1. has a **clear and positive benefit** to the requesting country in mitigating, or adapting to the negative effect of, climate change.
2. is in line with **national strategies and plans** (ie. NDC, NAP, TNA/TAP, NAMA, NBSAPs, LT-LEDS etc)
3. enhances **endogenous capacities**
4. Processes are placed in the requesting country to **monitor and evaluate any support provided**

Prioritization

1. Is aligned to the **CTCN's PoW** and to UNFCCC **Technology Framework** of the Paris Agreement
2. Is submitted by **the LDCs, or SIDs or a country has not received TA in the last 5 years**
3. Contributes to the **portfolio balance between mitigation and adaptation**
4. Has the potential to contribute to **system transformations** (nationally, regionally, globally)
5. Is part of a **multi-country** approach
6. Developed **with the engagement of national focal points and in consultation with various stakeholders** (public, private sector, research etc)
7. Promotes **gender** equality and/or **youth, indigenous** peoples' or **local** communities.





Flagship TAs : 2023-2027

Key concept notes currently developing

System Transformation Areas and Key Enablers	Corresponding Concept Notes
Water-Food-Energy Nexus	Agrivoltaics
National Systems of Innovation	Establishing a National Innovation System for Climate Action Technology Need Assessment (TNAs)
Energy Systems	Net Metering; Green Hydrogen; Decarbonization of Grids through phase-out of SF6
Business and Industry	Cement
Building and Resilient infrastructure	Hydroponics / Aquaponics.



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