

The Fourth Technology Mechanism Biennial National Designated Entities Survey

28th Advisory Board Meeting
CTCN Secretariat
Agenda item 18.2
22 September 2026

Biennial UNFCCC Technology Mechanism NDE Survey (Annex I)

National Designated Entity (NDE),

This survey collects information on your experiences, awareness and the efficacy of support from the Climate Technology Centre and Network (CTCN) and the Technology Executive Committee (TEC) in accelerating the development and deployment of climate technologies.

As part of the CTCN and the TEC, National Designated Entities (NDEs) are invited to contribute to the Monitoring and Evaluation (M&E) process by completing this survey. Your responses to this survey are crucial for improving our work. They will help identify success stories and best practices, as well as to areas for improvement. Additionally, your input will also be used as a source of information for the Periodic Assessment of the Technology Mechanism (PATM), feeding into the Global Stocktake of the Paris Agreement.

Survey by July 30.

For more information, contact the NDE focal point or their representative directly. If you have any questions, feel free to contact the CTCN Secretariat (thanh.tranova@un.org) and TEC secretariat (mtskhvaradze@unfccc.int). The survey will be finalized before presentation of results to the Board.

To be filled out by National Designated Entity (NDE) only

I confirm you are filling the form as an NDE or on behalf of the NDE *

☐ Yes (as NDE)

☐ No (on behalf of NDE)

- **COP 24:** Technology Framework adopted, requiring CTCN & TEC to have a coherent M&E framework
- **2020:** CTCN & TEC jointly develop M&E system, including the first biennial NDE survey
- **COP 25 & 27** encouraged/reinforced this joint M&E approach
- **Four NDE surveys** conducted up to date: 2020, 2022, 2024, 2026
- 3th and 4th surveys used an **enhanced approach**: broader NDE targeting, refined questions, more coordinated outreach

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Process

Distribution of survey

Online form, available in 3 languages (ENG, FR, SP)

Word format available upon request

Deadline: July 30th

- Initial mass email (March 2026)
- 2-5 reminder emails by Regional CTCN teams (April – July 2026)
- Dedicated sessions at CTCN NDE Forums in Africa (March), Latin America and Caribbean (May), and Asia (July)

Survey Design Non-Annex I

49 questions (60 in 2024)

- 14 multiple choice, 9 scale questions. 26 open questions

Survey Design Annex I

42 questions (40 in 2024)

- 16 multiple choice, 5 scale questions. 21 open questions

Updated questions: matchmaking, logistical support, indigenous/endogenous technologies and enhancing NSI, and multi-country TAs

Post-TA Implementation Form

Sections Non-Annex I

Part I: Past Engagement with the CTCN and Awareness on the Role of NDEs

Part II: Outcomes and Impacts of the CTCN Technical Assistance

Part III: Outcomes and Impacts of the CTCN Capacity Building and Knowledge Sharing

Average time to complete: ~40 minutes

Sections Annex I

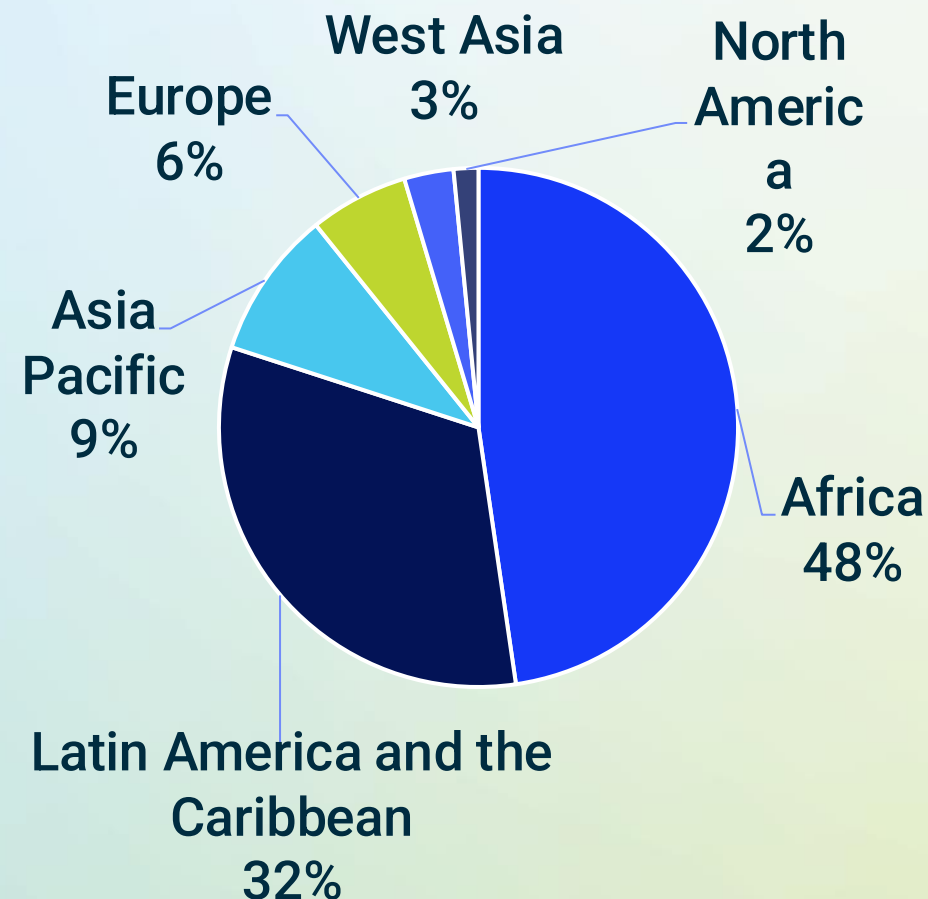
Part I: Past Engagement with the CTCN and Awareness on the Role of NDEs

Part II: Contribution of Annex I NDEs to support the CTCN

Survey Response Statistics

NDEs	# of surveys sent	# of survey responses	# of online responses	# of offline responses
Annex I	37	5	5	0
Non-Annex I	139	60	58	2
Total	166	65	Response rate: 39%	

-6% compared to 2024 response rate



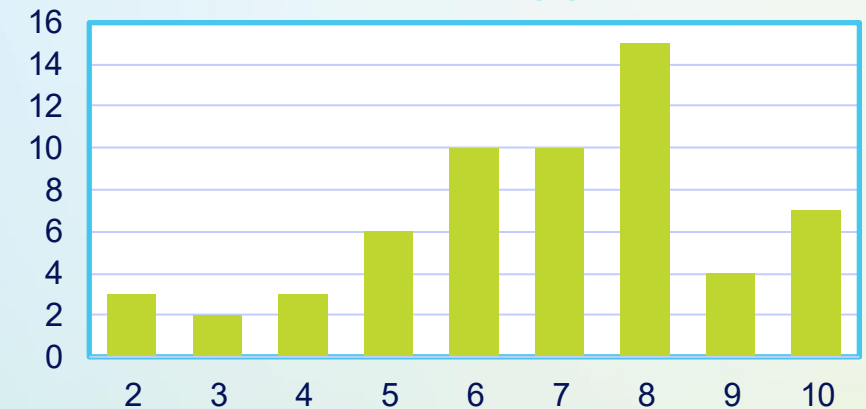
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Results Non-Annex I

Awareness and Engagement (Q3)

NDEs perceive ministries and/or organizations as moderately informed and about their roles and moderately involved with stakeholders (6.8 avg)

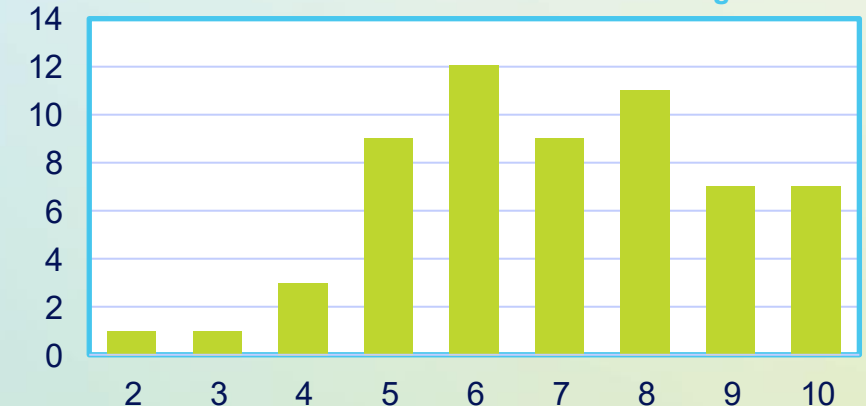
Awareness and Engagement



Influence of Ministries and Role in Decision-making (Q4)

NDEs perceive governance and political influence of line ministries in climate decisions as moderately strong (7.0 avg)

Influence and Role in Decision-making



How governments can enhance the role and functioning of NDEs to support CTCN (Q5):

- Provide financial support, strengthen coordination mechanisms between NDEs and relevant stakeholders, and enhance capacity building and technical support

Main challenges faced by NDEs in accessing and utilizing climate technologies (Q6):

- Financial constraints (accessing international climate finance and high upfront costs)
- Insufficient technical capacity (technical skills/expertise and human resources)

Key sectors needing additional support for climate technology development and deployment (Q7):

Key sectors	Details	Mentions
Agriculture	Climate-smart practices, improving irrigation, enhancing food security	28 (22%)
Energy	Renewable energy technologies (solar, hydrogen, storage systems)	27 (22%)
Water Resources Management	Efficient irrigation, water security, desalination	20 (16%)
Waste Management	Circular economy approaches, waste sorting, recycling	12 (9%)
Sustainable Mobility	Electric mobility and sustainable transport technologies	11 (9%)
Forestry	Sustainable forestry and ecosystem restoration (remote sensing)	7 (6%)
Capacity Building and Training	Proposal development, mobilizing climate finance, technology implementation	6 (5%)
Industry	N/A	5 (4%)
Climate-Resilient Infrastructure	Extreme weather events, ecosystem & biodiversity, post-disaster recovery	5 (4%)
Research and Innovation	Technology incubation, project preparation, strengthening innovation ecosystems	4 (3%)

Matchmaking (Q19): 95% of NDEs report to find it useful to have matchmaking activities during NDE forums.

“Matchmaking events that bring together technology providers, project developers, and financiers would significantly increase the likelihood of scaling CTCN-supported projects.”

Matchmaking activities considered most beneficial, per thematic area (Q21):

- Finance and funding
- Technology provider matchmaking
- Knowledge exchange
- Capacity building
- Networking and partnerships

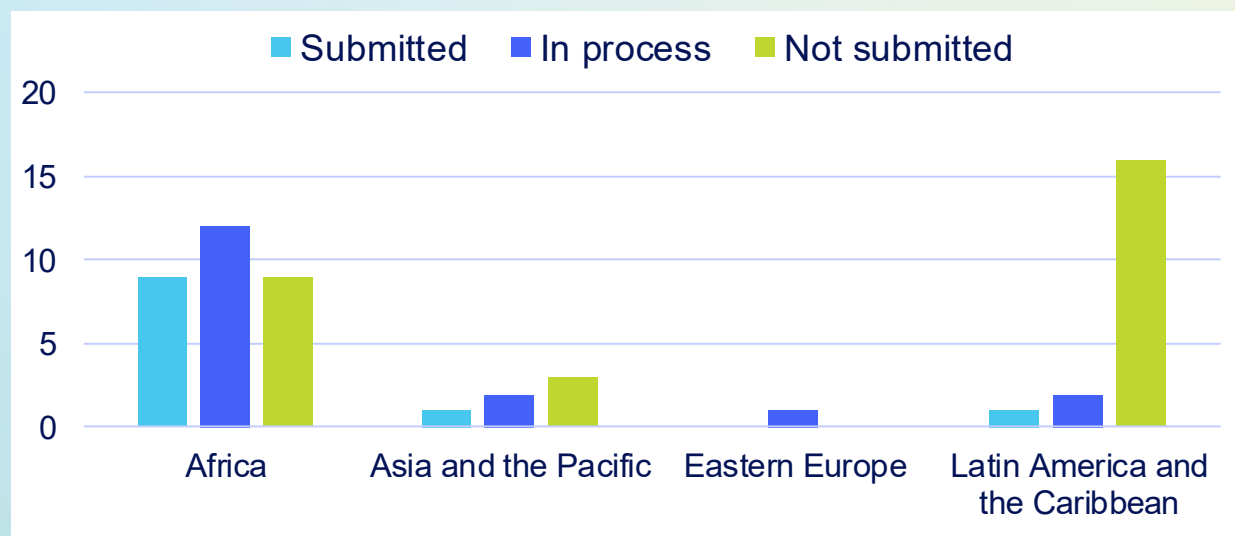
Logistical Support (Q22)

- 12 submitted request
- 14 in process
- 28 have not

Barriers (Q23)

- Limited awareness and understanding
- Procedural delays and uncertainty
- Level of support available too small to justify effort required

“We successfully received CTCN logistical support for a National Climate Technology and NDE Stakeholder Workshop. The support helped convene key national stakeholders, strengthen awareness on climate technology transfer, and improve institutional coordination around NDC implementation and technical assistance opportunities.”



Ideas for Focused TA on Developing the Capacity and NSI of Indigenous and Endogenous Technologies (Q12):

1. Strengthen NSI to integrate indigenous and endogenous knowledge
2. Water-related technologies as most recurring technical focus
3. Need for institutional coordination mechanisms (e.g. dedicated councils)
4. Links to existing processes like NDEs, TNAs, or ongoing CTCN support

	Example Ideas Focused TA
1.	Digital platform cataloging local renewable energy practices (local solar or biomass energy solutions)
2.	E.g., Modernizing traditional rainwater harvesting and sustainable agroforestry practices
3.	Strengthening institutional capacity and coordination for local technologies (including scale-up)
4.	Deploying TNA-identified indigenous technology to counter sea erosion by planting coconut trees

Multi-country TAs (Q13): 13 TAs identified in the survey

Benefits: exchange of experience and peer learning between participating countries, and networking/collaboration around shared goals

"Participating in a multi-country TA program through CTCN provides a uniquely powerful mechanism for solving shared regional issues. For instance, managing water resources across the Mekong river basin, handle transboundary air pollution, or creating united regional framework for climate smart agriculture cannot be effectively done by one nation alone."

Challenges: insufficient funding, language barriers, differing priorities and capacities, and limited integration of local expertise

"The collaboration for a common goals worked even though the coordination was a bit difficult. The inclusion of local expertise in delivering the TA assistance needs to be improved as the local consultant is usual given clerical work by the International consultant resulting limited knowledge transfer and that may need to be improved."

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Results Annex I

Collaborations with CTCN (Q1, Q11, Q13, Q18, Q19):

- 40% (2/5) have collaborated with CTCN, 60% have not, however, 4/5 have provided or are currently providing financial support to the CTCN. 4/5 also report CTCN has met expectations associated with this funding.
- All NDEs consider providing **pro-bono and/or in-kind support** and are open to **connecting** CTCN with relevant **development aid organizations**
- Overall, NDEs report a relatively high likelihood (score of 7.4 out of 10) of **recommending CTCN** (Q3)

Main challenges for providing financial support (Q12)

- Domestic priorities

How governments can strengthen support for Annex-I NDEs (Q8):

- Clarifying mandates, strengthening institutional capacity, improve coordination, promote collaboration, digitalize, identifying technology needs, and integrating NDEs into the national innovation landscape

Future initiatives expected from CTCN to strengthen collaboration with developing countries (Q15):

- Supporting **scale-up activities**
- Stronger engagement with the **private sector**
- Increased attention to **high-impact and emerging technologies**
- Stronger **network engagement and cooperation**

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Lessons Learnt

Challenges

- Survey too lengthy
- Low response rate
- Other information channels may be more efficient

TEC and CTCN AB members are invited to provide guidance whether to:

- Shorten survey – remove TA questions already covered in post-implementation form
- Add a focused survey session at NDE forums



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