

UN CTCN

2025 Joint Programme: NDE Forum and Capacity Building on Climate Technology and Finance in Latin America and the Caribbean

19-22 May 2025 in Panama City, Panama, In-person meeting

Background

NDE Forum

The Climate Technology Centre and Network (CTCN) is the implementation arm of the Climate Change Convention (UNFCCC) Technology Mechanism. For a decade, the CTCN has been promoting accelerated development and transfer of environmentally sound technologies for low-carbon and climate-resilient development at the request of developing countries. Implementing this mission, the CTCN has focused on the stimulation of technology cooperation and enhancement of the development and transfer of climate technologies to developing countries. Taking its mandate, CTCN has supported over 110 countries benefited from climate technology innovation, transfer, and knowledge sharing to date.

The CTCN provides technology solutions, capacity building and advice on policy, legal and regulatory frameworks tailored to the needs of individual countries. With the ongoing Programme of Work, the focus lies on achieving transformative impacts and scaling up through national innovation systems and digitalization across five key areas: Water-Energy-Food nexus, Buildings and Infrastructure, Sustainable Mobility, Energy Systems, and Business and Industry. As part of its mandate and as one of its activities it organizes a Regional Forum for the National Designated Entities from Latin America and the Caribbean countries on an annual basis. The objective of these forum is to share experiences and best practices from CTCN technical assistance in the region, strengthening collaborations and enhancing linkages with other mechanisms under the convention and create networking opportunities through showcasing innovative climate technologies that respond to country priorities and support them in meeting their Nationally Determined Contributions.

Capacity Building Programme on Climate Technology and Finance

As noted in paragraph 9 of decision 14/CMA.5, adopted at COP28, the insufficient transfer and deployment of technology in developing countries underscores the need for synergistic action among key stakeholders in climate technology and finance. Specifically, negotiators on climate technology emphasized the importance of financial support throughout the innovation process, particularly as technologies move toward commercialization. Achieving Technology Readiness Levels (TRLs) 7 to 9 is crucial for continuous incremental improvements in climate technologies, which require substantial investment for commercialization and large-scale deployment.

At COP29, Parties agreed on a revised climate finance target under the New Collective Quantified Goal (NCQG), aiming to mobilize at least \$1.6 trillion by 2030. This replaces the \$100 billion annual climate finance goal, which is set to expire in 2025, and emphasizes the importance of transparent, equitable finance flows that align with the needs of developing countries. Additionally, the Triple Agenda adopted by the G20 Multilateral Development Banks (MDBs) highlights the role of larger MDBs in mobilizing financial resources. Section IV of the agenda calls for MDBs to triple their sustainable annual commitments to around \$390 billion, with \$300 billion

allocated to non-concessional lending, ensuring that developing countries have access to affordable finance.

Retrospective analyses of the Technology Needs Assessments (TNA) and Technology Action Plans (TAP) in LAC have identified Water (rainwater-harvesting, storm-water reclamation and reuse, water mapping and modelling, and water-quality monitoring) and Energy (energy-efficient buildings and lighting systems, bioenergy and solar energy)⁵ as the most challenging sectors, requiring the largest financial investments to establish and/or enhance existing enabling environments.

Objectives of the Joint Program

The LAC NDE Forum 2025 will provide an opportunity to review experiences, including sharing of good practices and lessons learned from 2024 and devise ways for further enhancing collaboration in 2025 in line with regional, sub-regional and national priorities. **The key objectives of the Forum are:**

- Present the latest development of CTCN services to developing countries in the region and intra-regional sharing of experiences and best practices from technical assistance in LAC and innovations in climate technologies that are a priority for the region.
- Present the linkage between the CTCN support and National Determined Contributions (NDCs) and the Technology Needs Assessment (TNAs) / Technology Action Plans (TAPs).
- Develop and strengthen the regional NDEs network and its relationship with other climate actors.
- Identify financial opportunities for climate technologies.

For the second time, the Forum will be held in conjunction with a capacity-building programme, this year on climate technology and finance. Centring digitalisation and responding to the urgency of transforming agriculture, this programme will foster in-depth discussion between the NDEs and prospective funds/financial entities on ongoing climate projects. Three key activities are planned to achieve this objective:

1. Project Ideation with the Funds/financial entities – A session fostering discussion between financial institutions and climate technology initiatives.
2. Workshop on Scalable Climate Projects – A hands-on workshop aimed at developing scalable climate technology projects, focusing on aligning these projects with available financing opportunities and instruments.

Participants

- NDEs from Latin America and the Caribbean
- Selected CTCN AB members
- Members of the TEC in LAC
- UNFCCC and CTCN Secretariats
- Selected Network members and other stakeholders

Draft Joint Programme Agenda

Day 1, NDE Forum (Monday, May 19)

Official Opening and Introduction to the Joint Programme	
09:00~09:30	Registration
09:30~09:50	Opening Remarks Host NDE – Panama, Ana Luisa Aguilar Candanedo <i>Director, Climate Change Directorate Ministry of the Environment (MiAmbiente), Panamá</i>
09:50~10:00	Welcome Remarks Ariesta Ningrum <i>CTCN Director</i>
10:00~10:10	Remarks Ambrosio Yobánolo del Real <i>AB Member</i>
10:10~10:20	Remarks Pedro Ivo Ferraz da Silva <i>TEC Member</i>
10:20~11:10	NDEs Round of Introductions <ul style="list-style-type: none"> • Quick presentation of each NDE representant: Name, country • Role of the NDE in their countries • Introduction of the CTCN Team
11:10~11:15	Agenda of the LAC NDE Forum 2025 and Capacity Building on climate finance Overview of the NDE Forum and CB Agenda <i>Ramiro Salinas Liaison LAC, CTCN</i>
11:15~11:30	Group Photos
11:30~11:45	Coffee break
Session 1: Update on the UNFCCC Technology Mechanism and the intergovernmental process on climate technology development and transfer Moderator: Roberto Borjabad Garcia, CTCN	
11:45~12:10	Technology Mechanism, CTCN and TEC – Updates on the Joint Work Programme (2023-2027) Ambrosio Yobánolo del Real & Pedro Ivo Ferraz da Silva <i>CTCN and TEC member</i> Q&A
12:10~12:35	Technology Development and Transfer under the UNFCCC Road to COP 30 in Belém Brazil and SB 62 Maia Tskhvaradze <i>UNFCCC Secretariat</i> Q&A

12:35~13:00	<p>Reflection on the last joint session of the TEC and CTCN Advisory Board and Outcomes of the CTCN AB Meeting</p> <p>Ariesta Ningrum <i>CTCN Director</i> Q&A</p>
Lunch break - 80 minutes	
<p>Session 2: Climate Technology Transfer and Roundtable of Countries Moderators: Roberto Borjabad Garcia, CTCN</p>	
14:20~14:40	<p>Ongoing LAC portfolio on Climate Technology Transfer</p> <ul style="list-style-type: none"> • Update on the CTCN's activities in 2025 • LAC CTCN Technical Assistance Portfolio 2025 • Priority topics for Technical Assistance requests for 2025 and beyond <p><i>Ramiro Salinas</i> <i>Liaison LAC, CTCN</i> Q&A</p>
14:40~15:00	<p>Updated on CTCN Procedures</p> <ul style="list-style-type: none"> • Logistical Support • TA post implementation follow-up • Wrap-up from previous Capacity Building and priority topics for Capacity Building and Network Engagement requests for 2025 and beyond <p><i>Jeawon Kim</i> <i>Capacity Building Specialist, CTCN</i> Q&A</p>
15:00~15:10	<p>Walking towards COP30: Enhancing endogenous capacity and enabling environment</p> <ul style="list-style-type: none"> • Engagement with endogenous capacity at COP30 – Highlights on RD&D • Future roles of regional Network members – LAC <p><i>Emilly Caroline Costa Silva</i> <i>CGEE, Brazil</i> Q&A</p>
15:10~15:25	Coffee break
15:25~17:00	<p>World café tour Moderated by CTCN Team</p> <p>a) Introduction to the group dynamic b) Breakout groups:</p> <ul style="list-style-type: none"> • Common Needs, Problems and Solutions • Multi-country priorities • Potential solutions and partnerships

	c) Reflection and Feedback from NDEs in chronological order
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Closure of Day 1

Day 2, NDE Forum (Tuesday, May 20)

09:00~09:30	Registration
Session 3: Updates by UNFCCC Technology Mechanism Moderator: Ariesta Ningrum, CTCN Director	
09:30~09:45	TEC Rolling Workplan Maia Tskhvaradze <i>UNFCCC Secretariat</i>
09:45~10:00	Ongoing activities and upcoming work of the TEC on climate technology policy in 2025-2026 Edalmi Pinelo <i>TEC members</i>
10:00~10:15	Latest TEC knowledge products on climate technology policy Taeyoon Kim <i>UNFCCC Secretariat</i>
10:15~10:45	Reflections and feedback from NDEs on the work of the TEC
Coffee break -15 minutes	
Session 4: Implementation of Programme of Work of the CTCN Moderator: Ramiro Salinas, CTCN	
11:00 ~11:20	Key enablers: Digitalization and NSI Jeawon Kim <i>Capacity Building Specialist, CTCN</i> Q&A
11:20 ~11:40	Case Study 1: <i>AFCIA – Guatemala: Water-Energy-Food (WEF) Nexus perspective towards reducing climate risk from small farmers.</i> <i>Alma Cota – Trama TecnoAmbiental (TBC)</i> Q&A
11:40 ~12:00	Case Study 2: <i>EU Climate and Security Programme – Colombia: Conservation and restoration strategies for mangrove areas of El Cuerval Community Council.</i> <i>Pablo Imbach – CATIE (TBC)</i> Q&A
12:00~12:20	Adaptation Fund Climate Innovation Accelerator (AFCIA II) and EC Programme Status Nadege Trocellier <i>AFCIA and EC Programmes Coordinator, CTCN</i>

	Q&A
12:20~12:40	Interactive session with live survey – Quiz and reflections
Lunch break – 80 minutes	

Session 5: Inclusiveness and Indigenous climate technologies
Moderator: Ariesta Ningrum, CTCN

	Panel discussion What approaches and actions can be jointly made to integrate each representing entities' perspectives into CTCN's service areas?
14:00~14:40	<i>Youth (YOUNGO) rep.</i> <i>Indigenous People Organization (IPO) rep.</i> <i>Environmental non-governmental organizations (ENGO) rep.</i> <i>Business and Industry NGOs (BINGO) rep.</i> <i>Research and Independent NGOs (RINGO) rep.</i>
14:40~14:50	CTCN's Gender Action Plan (GAP) Jeawon Kim Capacity Building Specialist, CTCN Q&A
14:50~15:15	Comments and ideas from NDEs related to the panel discussion
Coffee break – 15 minutes	

Session 6: Climate technology narrative and project document
Moderator: Ramiro Salinas, CTCN

15:30~15:45	Introduction to Climate Narrative and Theory of Change (ToC) Jeawon Kim Capacity Building Specialist, CTCN Q&A
15:45~17:00	NDEs Ideation Deck – Warm up for change: Development of logical framework Moderated by CTCN Team Individual exercise by technology Group exercise by themes

Closure of Day 2

Day 3, Capacity building on climate finance (Wednesday, May 21)

Opening and scene-setting: Climate Technology Finance Innovation	
Moderator: Ramiro Salinas, CTCN	
09:00~09:30	Registration
09:30~09:35	Welcome Remarks Ariesta Ningrum <i>CTCN Director</i>
09:35~09:40	Overview of the program and expected outputs Jeawon Kim <i>Capacity Building Specialist, CTCN</i>
09:40~10:10	Global movement towards climate projects in finance – LAC Hilen Meirovich & Julian Gonzalez <i>Invest Managing Director for Climate and Environment, Invest Climate specialist, Inter-American Development Bank (IADB)</i> Cayetano Casado Gomez Guillamon <i>GCF</i> TBC – CAF and CDB
10:10~10:30	Lessons learned from TM and FM collaboration CTCN TA to GCF FP133: Resilience of building construction in the country, in addition to climate information systems and post-disaster responses Mr. Garth Simon <i>Ministry of Health, Wellness, Social Transformation, and the Environment, NDE representative of Antigua & Barbuda</i>
10:30~11:00	Reflecting on the experiences with FM and/or MDBs Mind-mapping group activity focusing on deployment of technology <i>All NDEs</i> Group 1: FM – GCF Group 2: FM – GEF Group 3: MDBs Reflection and Feedback from NDEs in chronological order
Coffee break – 15 minutes	
Session 1: Climate Technology Partnerships and Private Sector involvement in climate action	
Moderator: Ramiro Salinas, CTCN	
11:15~11:25	LAC Circular Economy Coalition <i>Workplan and updates from the Coalition</i> Beatriz Carneiro (TBC) <i>UN Environment Programme</i>

11:25~12:00	Latest results from the Multi-country TA on Circular Economy Finance <i>Bart Van Hoof</i> BASE. CTCN Implementing Partner
12:00~12:30	Q&A, reflections, and feedback from NDEs
Lunch break – 90 minutes	

Relocation to the UNFCCC Climate Week - Megapolis Convention Centre in Panama City

UNFCCC Climate Week – Implementation Forum

14:00~17:00	<p><i>Climate Finance Lab:</i> The Finance Lab will cover topics for NDC/NAP implementation, including supporting non-debt instruments, enabling policies, locally led approaches, capacity building, technical assistance, multi-year programs, and increasing finance to LDCs and SIDS. Each topic will be introduced with case studies and group discussions, aligned with NCQG and UNFCCC processes.</p> <p><i>Climate Technology Lab:</i> The Technology Lab will address key topics for NDC and/or NAP implementation. This includes AI for early warning systems and agriculture, industrial decarbonization of steel, cement, and chemical industries, energy storage, national systems of innovation, and climate technology incubators and accelerators. Further, it will focus on capacity building for technology transfer and development, and financing climate technologies, aligning with the Technology Executive Committee's work.</p> <p>**Self-registration required, by 2 May, following this link: IMPLEMENTATION FORUM: Expression of interest to participate (21 May 2025): Registration · Indico.UN</p>
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Day 4, Capacity building on climate finance (Thursday, May 22)

Session 2: Measuring Innovation – Impact

Moderator: Jeawon Kim, CTCN

09:30~09:40	Introduction to the concept of impact from a system-level <i>Jeawon Kim</i> CTCN Secretariat
09:40~10:00	Financial impact: Return on Investment <i>Cayetano Casado Gomez Guillamon</i> GCF
10:00~10:20	Social impact: Social Return on Investment <i>Julia Carins</i> CTC Network member
10:20~10:30	Q&A session

Coffee break -15 minutes

Session 3: Enhancing Innovation – Linking technology to finance: Highlight to F-gases

Moderator: Jeawon Kim, CTCN

10:00~10:05	F-gases and finance Ramiro Salinas / Valentin Rudloff <i>Liaison LAC, CTCN</i>
10:05~10:15	EU regulations on F-gas TBC TBC
10:15~10:25	TBC Bettina Schreck <i>NDE Germany</i>
10:25~10:35	TBC Ambrosio Yobánolo del Real <i>NDE Chile</i>
10:35~10:45	Case of Colombia TA Allison Del Rio Bahamon & TBC <i>NDE Colombia, Siemens</i>

Coffee break – 15 minutes

Session 4: Creating Innovation – Matchmaking with Emerging technologies, Future Network members

Moderator: Jeawon Kim, CTCN

11:00~11:10	Solution pitch from prospective LAC Network member TBC Q&A
11:10~11:30	Youth Climate Innovation top 3 winners from the region: 5-minute pitch <i>Ingenio (Costa Rica) on Circular Economy - Cobalt from black mass, Luis E. Muñoz D</i> <i>Blume (Guatemala, Haiti, Saint Lucia) on Digitalization for optimal fishing locations, Oscar M. Castro</i> <i>Ecosphere (Peru) on Agroecology cooperative for rural farmers, avid A. Divas</i> Q&A

Session 5: Parallel Clinic Session – NSI and Digitalization including Artificial Intelligence

CTCN secretariat

11:30~12:00	Bilateral with NDEs upon request (as indicated through the pre-program survey) <i>In participation of prospective financing entity and other stakeholders</i>
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Summary and closing

12:00~12:10	Closing remark <i>Hosting country – Panama</i>
12:10~12:30	Closing and way forward with CTCN Ariesta Ningrum <i>CTCN Director</i>

Sponsored lunch <i>NDE of Germany</i>	
12:30~13:30	Restaurant TBC <i>NDEs who indicated their attendance via pre-program survey</i>
Ad-hoc program: Parallel Clinic Session – Water-Energy-Food Nexus and Energy Systems <i>CTCN secretariat</i>	
14:00~17:00	Meetings with NDEs upon request (as indicated through the pre-program survey) <i>In participation of prospective financing entity and other stakeholders</i>