

Global capacity building programmes – Overview and way forward

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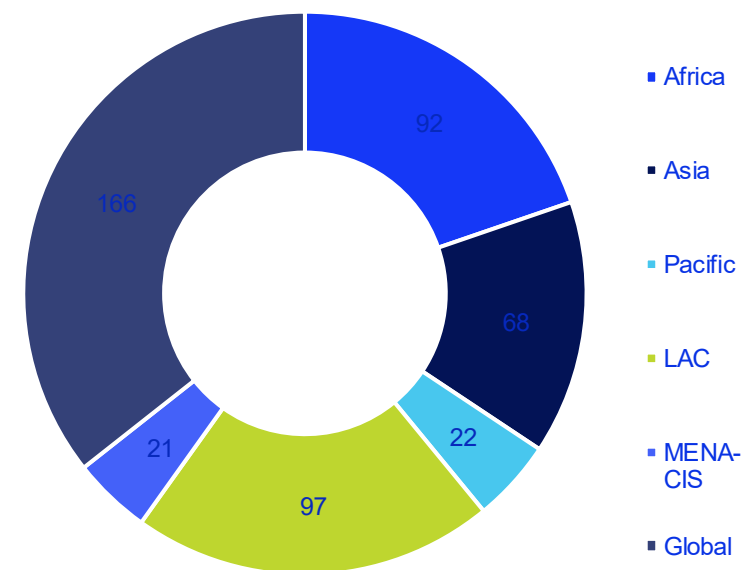


10 Years of CTCN's Capacity Building (2014-2024)

Total of **466** services activities

On average **3.8** per month

Benefited **4,637** individuals



'Knowledge Sharing' service by Types

21 Training/workshops



181 In-project activities



65 Tools/Handbooks

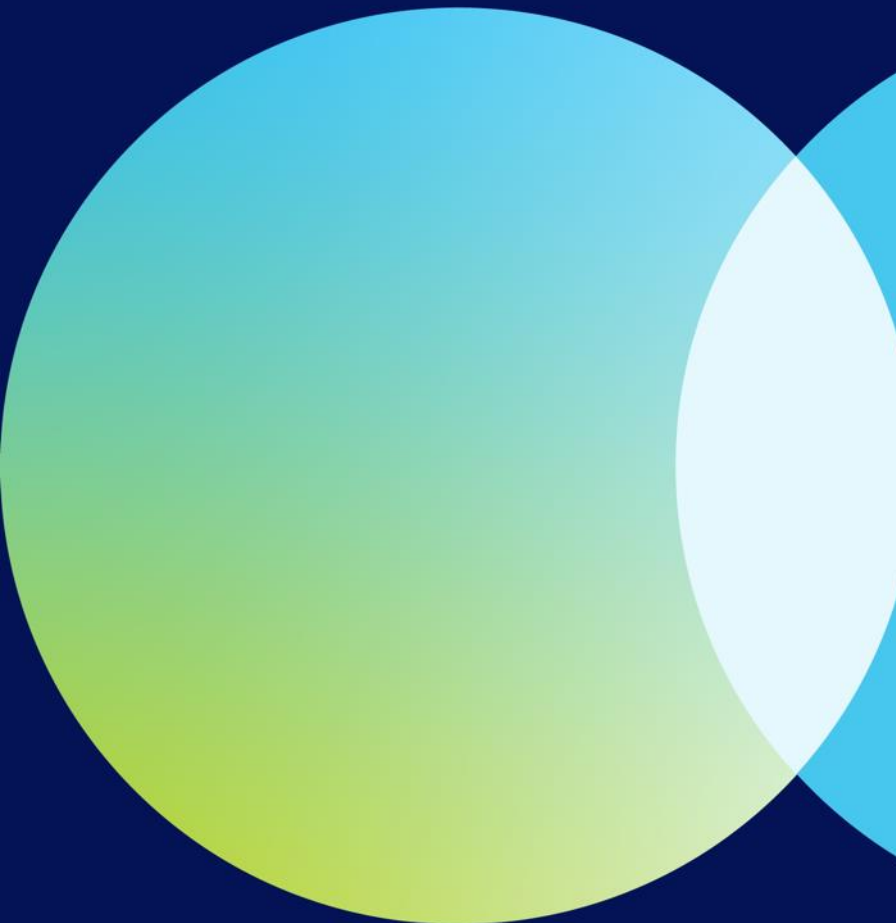


151 Web-based seminars



48 Technical meetings/Forums





CTCN's Capacity Building under the 3rd Programme of Work

Interconnectivity in the CTCN's support areas

Capacity Building (CB)

Input to TA ideation at global/regional levels

- 1) Analyze developing countries' climate portfolio, global climate governance, and financing opportunities to design a capacity building programme agenda.
- 2) CTCN invites relevant stakeholders to the action-tailored programmes.
- 3) CTCN facilitates the co-ideation of bankable TA projects between NDE/representatives of NDEs, Network members, and financing entities/their focal points.

Technical Assistance

Implementation at national levels

- 4) Interested parties in developing countries contact their NDE to request technical assistance, then step through 5 sequential processes for delivery of TA service.

Knowledge Sharing (KS)

Output to impact at global/regional levels

- 5) The CTCN regularly reaches out to the NDEs, project implementers and project proponents to follow up to collect the lessons learned and impacts achieved in countries. Collected insights are disseminated via global webinars and various communication platforms (e.g., Newsletter, social media).

Global and Regional Programmes

Global Thematic

Exclusive to NDEs (do not accept rep.) **and line ministries**

Objectives

- Focus on training climate technology trends
- Offer Peer-to-Peer learning
- Facilitate co-ideation of cross-regional/multi-country TA projects among NDEs

Progress

2022 Digital agriculture to 4 TAs
2023 GH to 6 TAs
2024 AI to 10 TAs

Stakeholder Eng.

Exclusive to NDEs and their finance focal points

Objectives

- Provide a platform facilitating alignment and enhance communication between national stakeholders
- Support initial activities of TA projects complimenting under developing/existing climate projects

Progress

2023-25 NDE-NDA engagement grew from 5 to 15 countries

Collaborative RD&D

Exclusive to NDEs and Network members from private sector

Objectives

- Provide a platform facilitating knowledge exchange
- Support a twinning institutional arrangement
- Support cRD&D TA project ideated through the programmes

Progress

2023-24 cRD&D to 3 TAs

Network Eng.

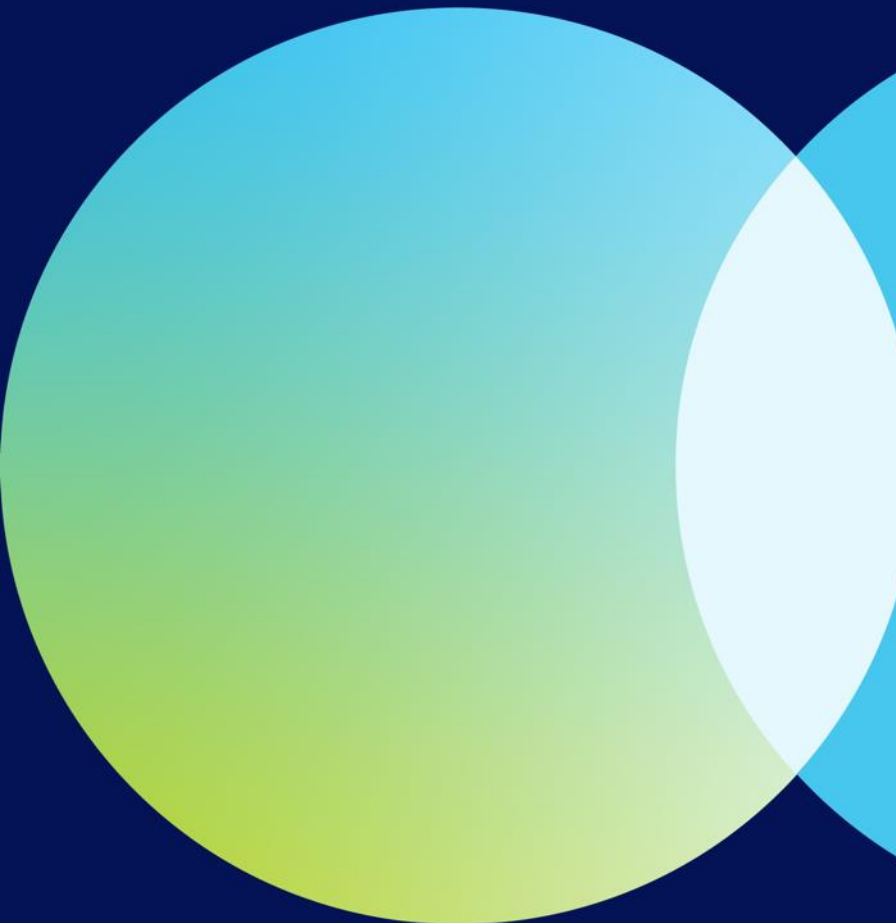
Exclusive to NDE rep. on technology and Network members

Objectives

- Provide a platform for showcasing climate technologies
- Fostering partnerships/collaborations among NDEs and Network members
- Welcome emerging technology providers to the Network

Progress

2022-24 NE to 156 Network members + 110 prospective members



Global thematic CB

2022-2024 Theme-focused

Types: Training, Peer-to-Peer Learning

Target audience: NDEs

Objective: Education

Key outputs:

- Increased awareness and expertise on thematic technologies and their applications
- Opportunities for NDEs to engage in peer-to-peer learning and share best practices
- Facilitation of multi-country/regional TA ideas

Examples:

- ('22) Innovation in Water sector
- ('22) Digitalization in Agriculture
- ('23) SF6 Phase-Out
- ('23) Green Hydrogen
- ('24) Artificial Intelligence



2025 Climate Finance & Co-creation

Region-tailored, Facilitating multi-regional TA ideation

Climate Finance

2025 Asia (2-3 September)
Africa (23-25 July)
Latin America and
Caribbean (21-22 May)

- Shift in climate priorities (both countries and FIs)
- Complex governance
- Need for coordination

Objectives

- Understanding the Financier's viewpoint via updates on the global movement for climate projects
- Learning concepts and tools to design and develop scalable climate technology projects via participatory workshops



Co-creation for System Transformation

2025 SIDS (3-5 Dec) 

- Priorities of climate finance
- Simpler governance
- Limited human resources

Objectives

- Introduction to the co-creation concept, tools, and techniques
- Mapping a system-transformative network
- Knowledge on climate integrity and accountability, leading the creation of co-benefits that national and global climate actors seek.



2026 System Transformation

Region-tailored, Facilitating multi-regional TA ideation

System Transformation

COP decisions	#AI4ClimateAction BTIP (Tech selection)	NDC analysis	TNA TAP	Internal consultation	AOP TA teams
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Region-specific themes

- Africa (March 26): National Systems of Innovation for Climate Resilience and Access
- LAC (May 21-22): Cross-Sector System Transformation at the Water-Energy-Food Nexus
- Asia (July 9): Integrating Energy Technologies for System transformation
- SIDS in the Pacific (Sep 16-18): System Transformation for Adaptive Management through AI

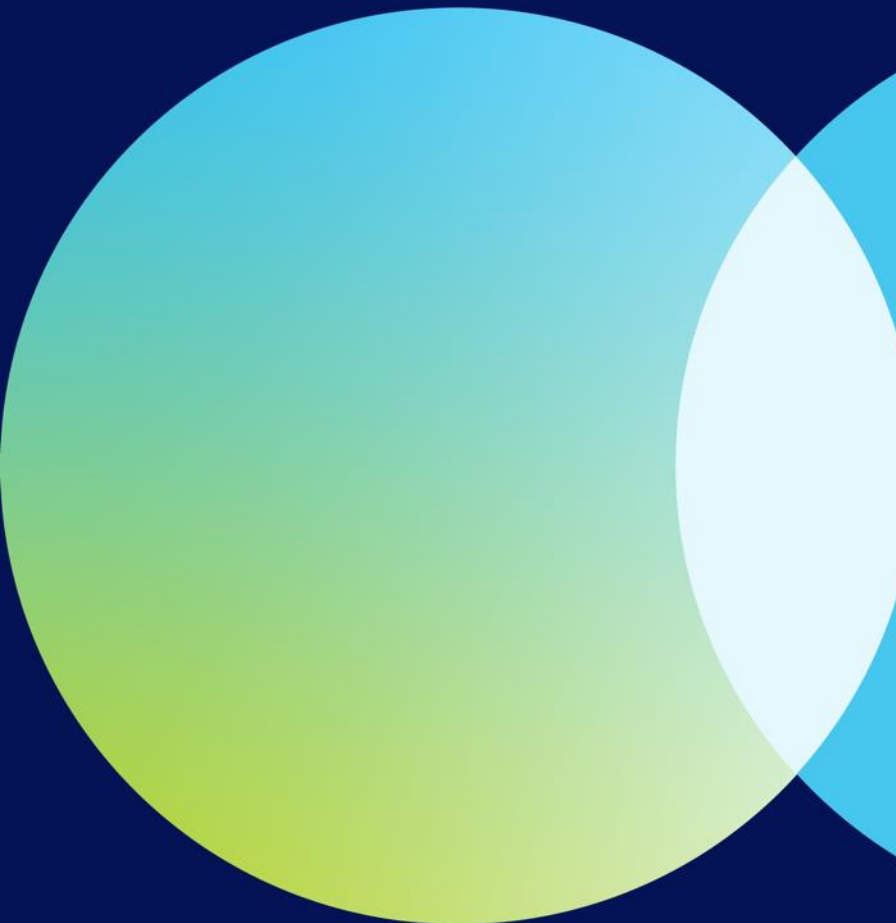
Key details

Purpose: Knowledge enhancement for TA ideation

Format: Back-to-back with Fora and other activities

Continuity: Online courses on 2025 themes (SROI, CBE)





Stakeholder Engagement

2022-2024 Regional/National coordination support

NDE-NDA

Type: Regional/National Coordination

Target audience: NDEs, NDAs, Relevant Government agencies representatives and other focal points

Objective: Establish effective mechanisms for linking and coordinating between different national and regional stakeholders involved in climate technology projects

Key outputs:

- **Facilitate alignment** and collaboration among various climate focal points, ministries and agencies to promote synergies and integrated approaches in climate technology efforts.
- **Enhance communication** between national and regional stakeholders to support coordinated action and knowledge-sharing

Examples:

- Annual NDE Regional Forum
- ('23) Structured Dialogue – Deep Dive Clinic



2025 National - Logistical Support, Modality 1

Decision 4/ CP.28 Welcomes the engagement of the TEC and the CTCN national designated entities to provide technical and logistical support to them.

Pilot tested from Oct 2024-March 2025 (Cambodia)

Operationalization: Oct 2025-April 2026

8 signed requests:

2 from Asia

6 from Africa

0 from LAC, SIDS and Eastern Europe



Date & time: 17 July, 9am - 5pm

Venue: Ministry of Environment, Cambodia

Participants: MoE, MISTI, MPT, ARDB, Network members, Universities

Key insights

- Marked as the first time in the history of Cambodia's MOE to run the workshop on climate technology (separate from the national working group)
- 3 TA ideas were generated (1 on digitalization, 1 on adaptation, 1 on mitigation)



2026 Stakeholder engagement

Broaden the scope of collaboration with various financial mechanisms/entities



AFCIA

- Austria (UNIDO office), Feb 16-17th: 1st Coordination Meeting
- Webinar, March 19th: NIE and RIEs
- Virtual, Sep 2026: 2nd PSC meeting

NDE-NDA coordination meeting

- Asia, July 10, Pattaya, Thailand

GCF's 2026 events

- Liaison officers' onboarding workshop (4 June)



Collaborative RD&D

Collaborative Research, Development and Demonstration

Type: Global partnerships; Collaborative Research and Development (R&D) Initiatives; North-South and South-South Climate Technology Cooperation

Target audience: NDEs, Network members, Financing institutions

Objective: To foster climate technology RD&D collaboration efforts between developed and developing countries, as well as within and between developing regions and to foster endogenous capacities for climate technology development to support the implementation of the NDCs

Key outputs:

- **Facilitation of knowledge exchange:** Promote the sharing of expertise, research findings, and technological advancements between international partners and through North-South and South-South partnerships to drive innovative climate technology solutions.
- **Twinning arrangement:** Establish strategic partnerships between institutions in different regions to collaborate on joint R&D projects and initiatives.

Examples:

- ('23) Bridge-building Workshops
- ('24) Learning Visits, CRD2B2 Workshops



2025-2026 activities

Engagement of global research institutes to the existing/arising partnership opportunities



Webinar/Events

An introduction to the CRD&D concept, strategy, and status

- Conference Session in August 2025 - on Energy Storage Systems as UNFCCC TM
- Global webinars in December 2025- two time zones (to rewatch, follow QR)



Learning Visits

NDEs nominate national experts for learning visits, focuses on technology exploration between South-South, North-South

- Green Hydrogen and fuel cell (in Seoul and Daejeon, July 15-17 2026, KIST, KIER, KRICT (Chemical Research Institute) and NIGT
- ESS (in Jeju, Sep 1-4 2026, KIER, UNITAR CIFAL Jeju)

- Reflection on cRD&D facilitation activities 2023-2025
- Reflection on cRD&D TAs (2026, Q4)



Publications

Youth Climate Innovation Programme

The YCI Programme is a transformative initiative designed to **support young innovators from developing countries as they create, develop, and scale high-impact climate technology solutions** that are both locally relevant and globally adaptable.

The Programme is in four regions Asia and the Pacific, Latin America and the Caribbean (LAC), Middle East and North Africa (MENA), and Sub-Saharan Africa.

674
young
entrepreneurs
trained

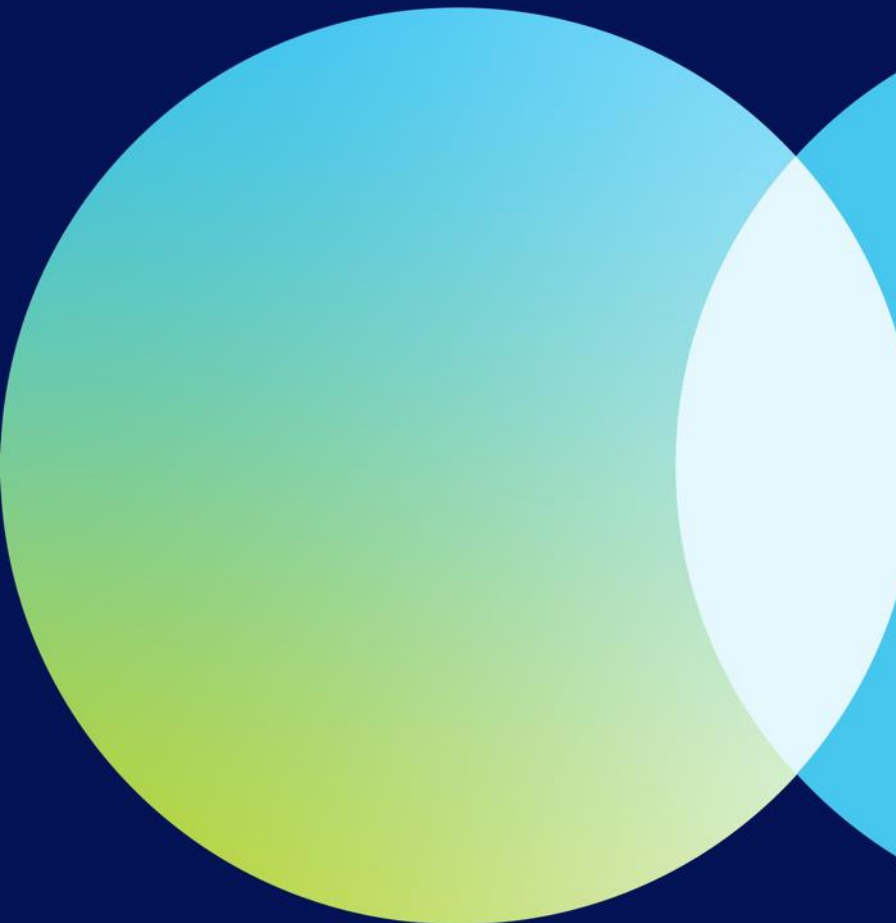


63
climate
startups
incubated



72
countries
reached





Network Engagement

2022-2024 Emerging Technology focused

Type: Matchmaking

Target audience: NDEs/NDE rep, Network members

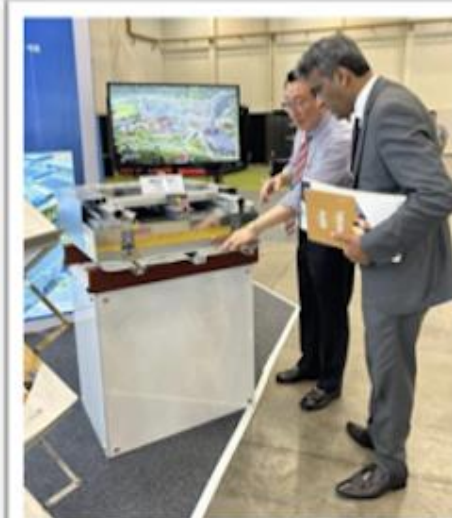
Objective: Technology Showcase

Key outputs:

- Strengthen alignment and coherence on climate technology innovation within ministries and national agencies
- Provide a platform for showcasing climate technologies and fostering partnerships/collaborations
- Facilitate collaboration through pre-arranged meetings and voluntary talks with network members and technology providers
- Engage in workshops aimed at co-creating climate solutions with diverse stakeholders

Examples:

- ('22) Co-creating Climate Solutions
- ('23-24) Voluntary Technology Talks



2025-2026 Direct Matchmaking focused



2025 Networking Session in Asia

Highlights on key technologies

Under the theme of 'Matchmaking with Emerging technologies', 6 prospective Network members showcased their solutions with 21 NDEs in LAC.

Under the theme of 'Linking technology to finance: Sustainable Mobility', 2 Network members showcased their solutions with 37 NDEs in Africa.

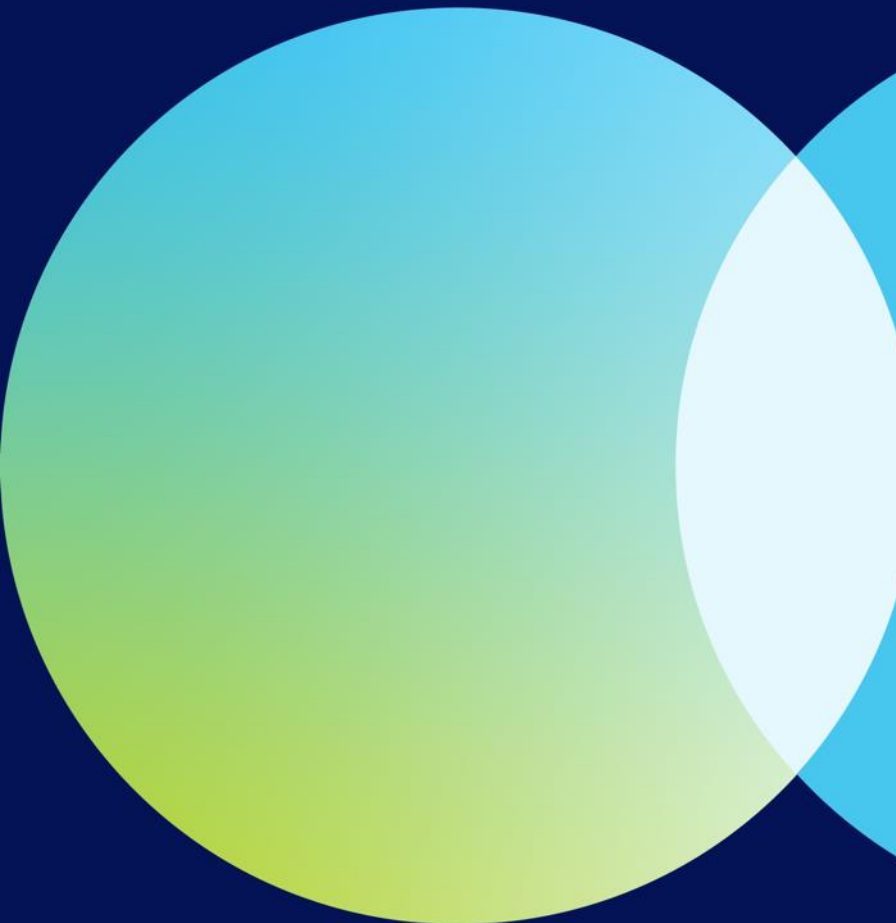
Under the theme of 'Digital solutions by Korean Network members', 35 Network members gathered for networking with 18 NDEs in Asia. Hosted by MSIT and implemented by Korean Network member NIGT, 4 digital solutions were shared.

2026 Network Fair – Africa, LAC, Asia



- **Africa NDE Forum, 25 March - Network Fair**
- **LAC NDE Forum, 20 May - Network Fair**
- **Asia-Pacific, 9 July - Network Fair**
- **Eastern Europe NDE Forum, 7 September – Network Member Roundtable**
- **SIDS NDE Forum, 18 September – Network Tour at World Climate Industry Expo**

+ Voluntary Technology Talk for SIDS
World Climate Expo, Busan, ROK
September 17-18 | In-person



Planning and calling for NDE's preference

Standardized procedure: Call for participation and preference check

**Call for NDE's registration
(30th Jan – 30th March)**

Invite registered NDEs/Reps to the programme

**Deliver each programme and TA teams
to follow up on the ideas generated**



The screenshot displays the UN Environment Programme and CTCN website. The main heading is 'Services de renforcement des capacités du CTCN pour 2025'. Below this, there is a section titled 'Building services:' which describes the services available for 2025. The text mentions that based on discussions and decisions from the CTCN Advisory Board, 10 activities are being planned, distributed across 4 modules. The modules listed are: i. Programme mondial de renforcement des capacités thématiques, ii. Programme d'engagement du réseau, iii. Programme international de R-D et de démonstration (RD&D), and iv. Programme d'engagement des parties prenantes. The text also states that the survey is available in English, Spanish, and French, and will remain open until 27 March 2026. A link is provided to download the 'Concept note and Schedule' for the System Transformation.pdf.

Available on CTCN website

2026 CTCN Capacity Building Services: Call for NDE's Voluntary Participation

A set of 11 capacity-building and networking activities is being planned to support NDEs in strengthening their roles and engagement with key stakeholders. NDEs are invited to complete a short survey to indicate preferences for these activities.

The survey is available in English, Spanish, and French; and will remain open until 27 March 2026. While indicating preferences does not guarantee registration, responses will help inform invitations issued closer to each activity.

A concept note and tentative schedule are attached.

[\[Concept note and Schedule\] CB on System Transformation.pdf](#)



To read, scan QR

2026 Responses

12
Asia

Palestine State of,
Kyrgyzstan, Kazakhstan,
Israel,
Iran, Tajikistan, Nepal, Sri
Lanka (x2), Cambodia,
Jordan, Afghanistan

5
LA

Madagascar (x2), Zimbabwe,
Egypt, Namibia, Côte d'Ivoire,
Congo - Brazzaville, République
du Congo, Lesotho, Guinée-
Bissau, Togo, Chad, Senegal,
Tanzania, Sierra Leone, Comoros,
Uganda, The Gambia,
South Africa, Zambia, Somalia,
Liberia, Algeria, Kenya, Burundi,
Eswatini, Mauritius

51

Out of 140
Non-Annex 1 Countries

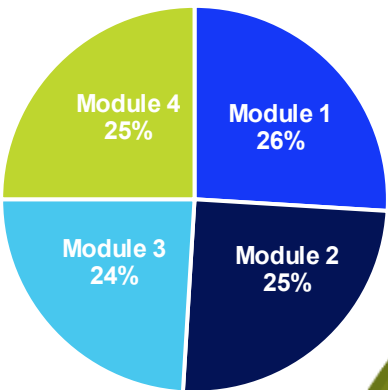
Chile, El Salvador (x2),
Haïti, Paraguay, Venezuela

26
Africa

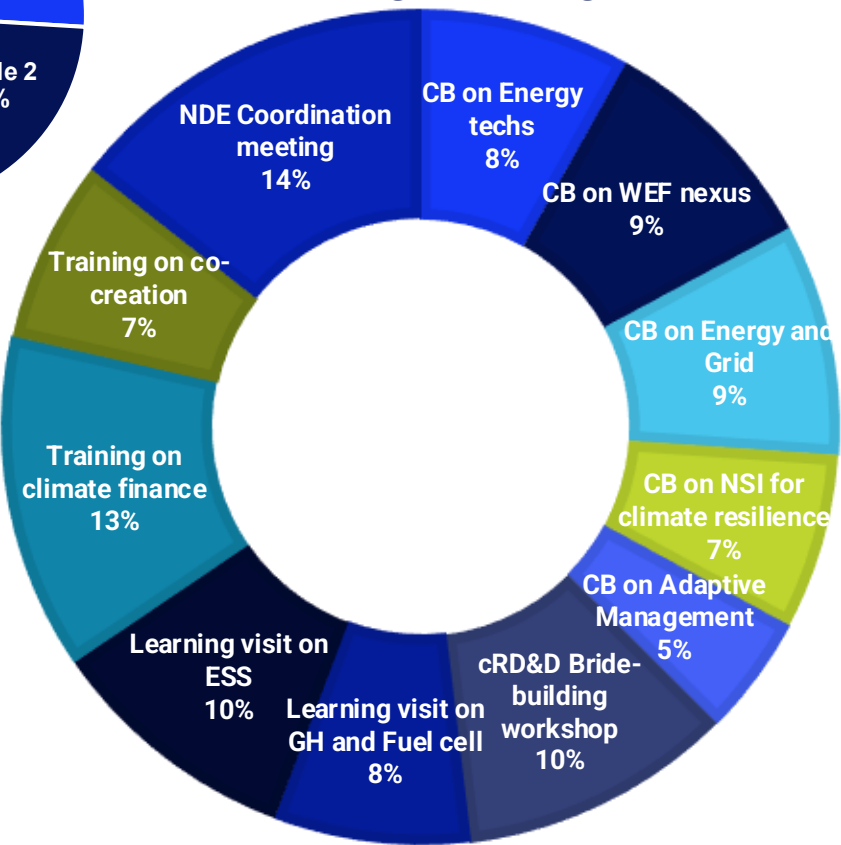
Comoros, Fiji, St. Kitts
and Nevis, Marshall
Islands, Mauritius,
Papua New Guinea,
Timor-Leste, Maldives
(x2)

8
SIDS

PREFERENCE BY MODULES



PREFERENCE BY ACTIVITY



Supported by:



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the European Union



United States of America

