

CTCN Activities, Priorities, and 26th Advisory Board meeting

1 September 2025
Asia NDE Forum
CTCN Secretariat

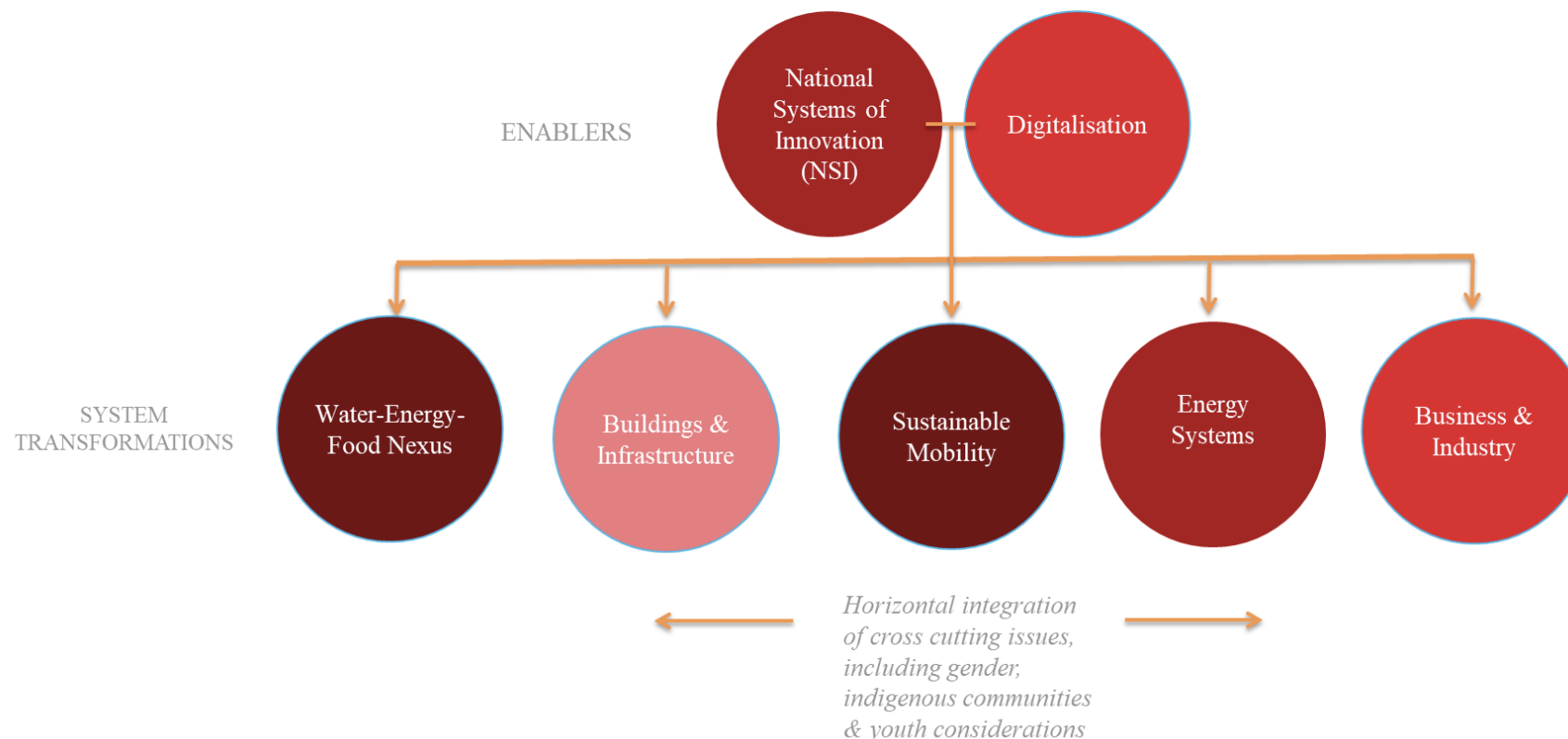


1

Implementation of the Programme of Work 2023-2027

The objective of this PoW 2023-2027 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.



2

Technical Assistance

2 Technical assistances in 2 different countries under bidding

Ongoing Asia Portfolio

7 Technical assistances currently under implementation in 7 different countries

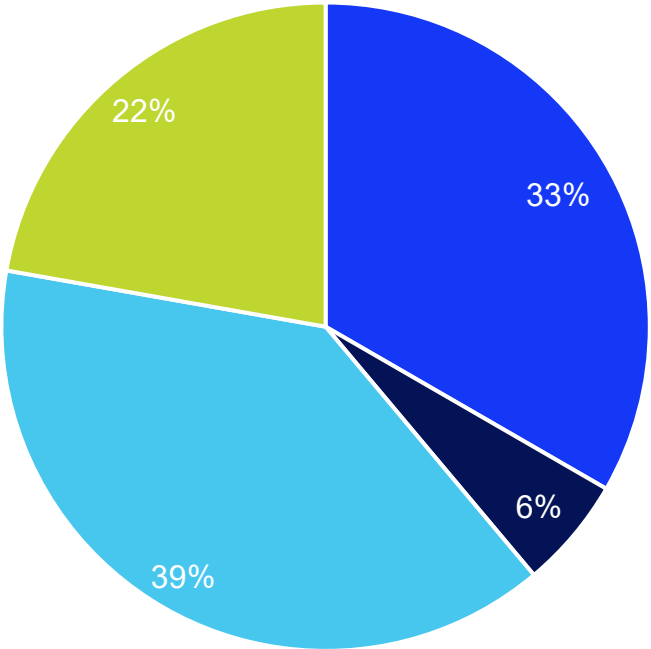
4 Technical assistances started implementation in 4 different countries

3 Technical assistances still ongoing in 3 different countries

8 Technical assistances completed in 6 different countries

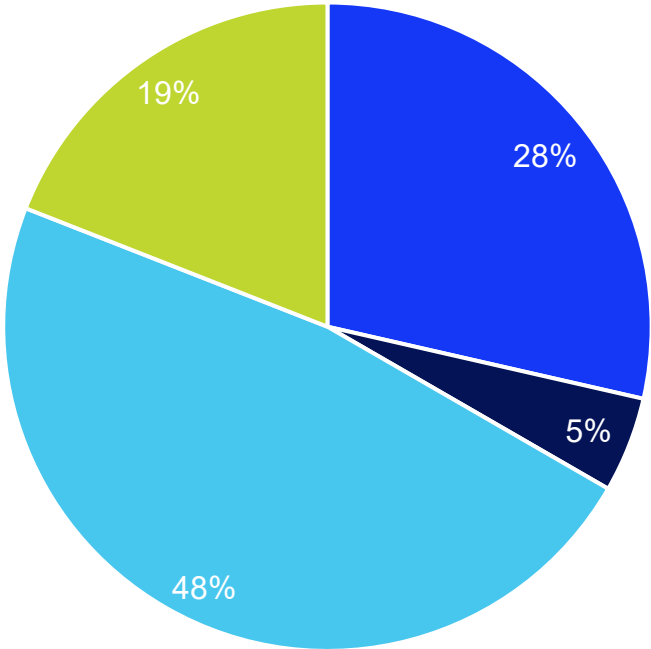
Technical Assistance in Asia by Systems Transformation Area

Asia portfolio by area of systems transformation (2024)



- Buildings and Infrastructure
- Business and Industry
- Water-Energy-Food Nexus
- Energy Systems

Asia portfolio by area of systems transformation (2025)

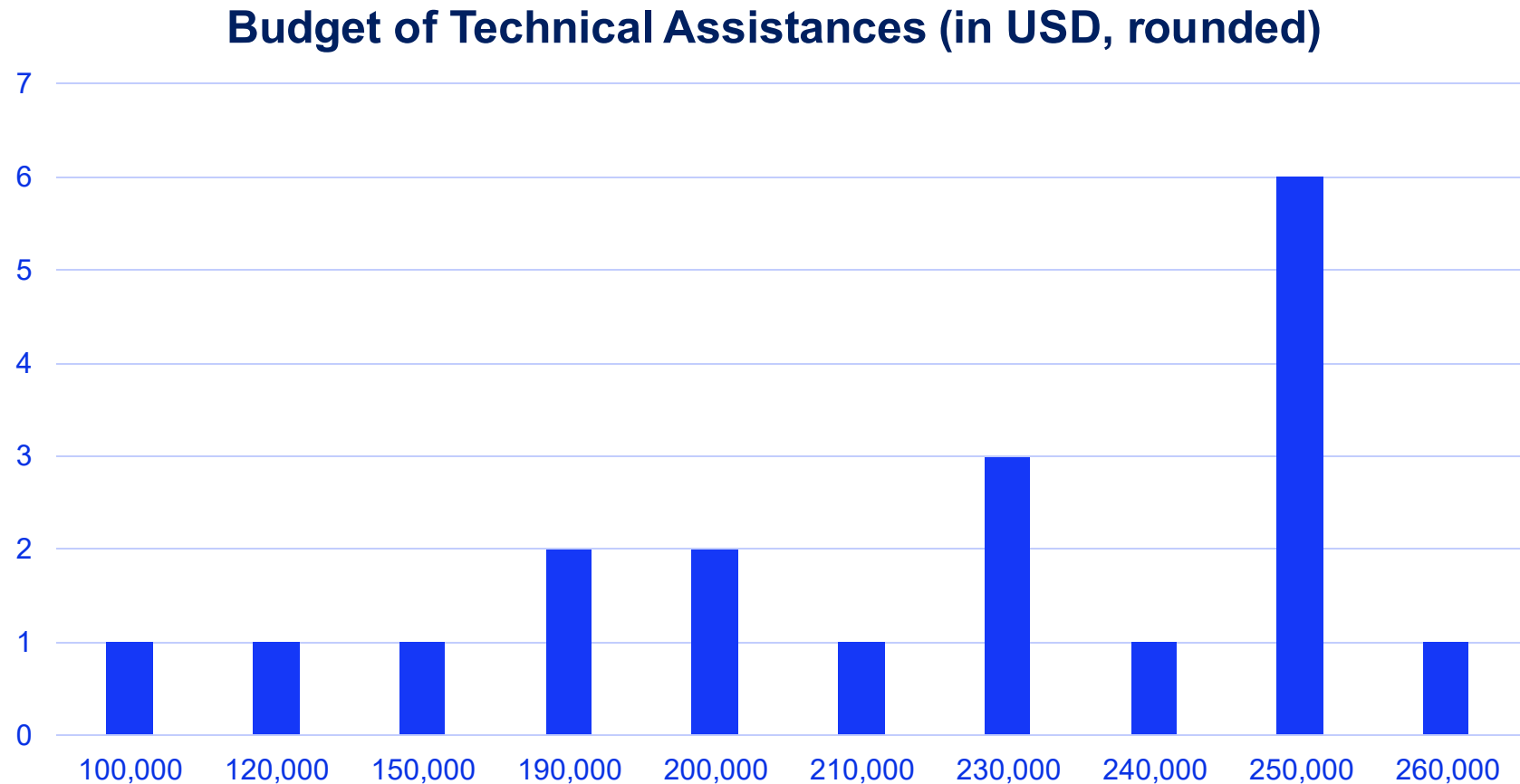


- Buildings and Infrastructure
- Business and Industry
- Water-Energy-Food Nexus
- Energy Systems

Budget of Technical Assistance in Asia

The **total value** of technical assistances in Asia since the last NDE Forum is **4,038,000 USD***.

The **average value** of technical assistances in Asia is **213,000 USD**.



* Under bidding, implementation and completed; including pro-bono support.

Types of Technical Assistance

Decision making tools, Piloting, small-scale demonstration

Localized early warning system: Vietnam
Surface rainwater harvesting technology:

Pakistan

Skimming well gallery system for agricultural use: Maldives

Longer lead-time flood forecasting: Bangladesh

Integrated salinity intrusion data sharing system: Vietnam

Weather and climate information system: Nepal

Multi-Hazard Platform for forecasting local level climate hazards: Malaysia

Recommendations for law, policy, and regulations

National Electricity Grid Code and Net Metering Policy: Timor-Leste

Green Building Codes: Pakistan

(pre) Feasibility studies

Blockchain Technology for a Real-time Climate Risk Insurance System:

Thailand

AI-based Early warning system: Tajikistan

Technical capacity enhancement

EbA and digitalized risk mitigation insurance solutions for smallholder vegetable farmers: Mongolia

WEF nexus management: Cambodia

Sectoral roadmaps and strategies

Green hydrogen: Cambodia, Maldives, Thailand

Climate-smart agriculture: Indonesia, Cambodia

Technology Roadmap for the Implementation of NDC: Pakistan

Collaborative RD&D

Cold Warehouse equipped with Low-temperature Latent Heat Material for Fruit Storage: Bangladesh

Groundwater desalination and resource recovery: Uzbekistan

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Scaling up Technical Assistances

Scaling up Technical Assistances

GCF full-scale proposal with Kenya Commercial Bank

UN Climate Technology Centre and Network (CTCN)
@UNFCCC_CTCN

A milestone announcement was made by the @theGCF, which approved \$540,000 in Project Preparation Facility (PPF) funding for a project by the Kenya Commercial Bank, developed with support from the CTCN and its Network member Sustainable Solutions for Africa (SSA).



At COP29, GCF approved \$540,000 in Project Preparation Facility (PPF) funding for a transformative initiative by Kenya Commercial Bank (KCB).

Developed with initial support from the CTCN and its network member, this project represents a significant step toward sustainable financing.

The full-scale project, valued at \$218 million, is set to be submitted to the GCF in 2025.

Scaling up Technical Assistances

Other GCF full-scale proposals

In **Uganda**, the CTCN has supported the development of a project proposal package for GCF, including a Concept note, Project Preparation Facility (PPF), and Full Funding Proposal.

A validation workshop was held by the end of March 2025 with key stakeholders to review the documents. It is expected that the Ministry of Water and Environment of Uganda shall submit the Concept Note to the GCF shortly.

In **West Africa**, the CTCN, together with the West African Development Bank (BOAD), had developed a project proposal for the GCF concept note in 2023 for a regional project on the introduction of a "Low Emissions and Climate Resilient Agriculture Financing Facility".

After political challenges in several countries, BOAD is set to relaunch the submission process for this project proposal.

Scaling up Technical Assistances

Adaptation Fund concept notes and FPs



In **Burundi**, the CTCN, in partnership with UNEP is formulating a Full Proposal to increase the resilience of people and institutions in Burundi to (climate change-induced) flood and drought events.

CTCN is formulating a Concept Note to the Adaptation Fund on Climate-Resilient Water Management and Sustainable Agriculture for Enhanced Food Security in the **Maldives**.



Follow-up on potential financing opportunities

- 13 concept notes and project proposals developed as a result of CTCN TAs completed in 2024 globally
- Currently not in the scope of work of CTCN to follow up potential for financing opportunities (would require additional resources)
- Securing such funding is not guaranteed

Explore programmatic approaches

- Basis: success of AFCIA
- Based on five transformation areas of CTCN PoW
- Such programme approach may be more attractive to potential funders
- May pilot with focus area where work on TAs are already ongoing, e.g. cement, SF6 (Industry) combined with knowledge sharing and communications outreach

4

Capacity Building

Capacity Building Programmes

Technical Assistance

Post-impact generation

Input to TA ideation at global/regional levels

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

Implementation at national levels

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

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.

Capacity Building Green Hydrogen (2023)

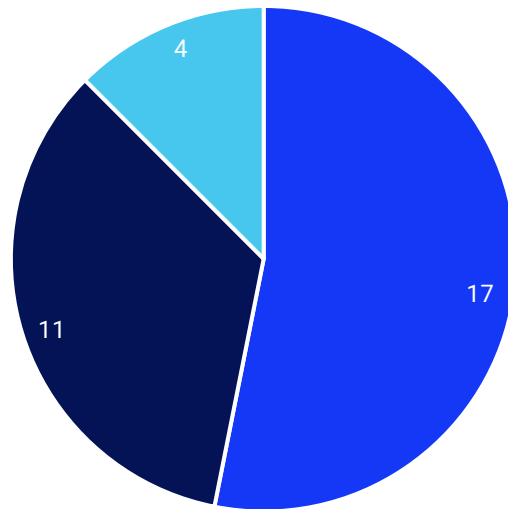
The capacity building workshop on Green Hydrogen (2023) has led to several requests and implementations of technical assistances.

- Feasibility study on green hydrogen potential in **Maldives** and development of a national roadmap for sustainable energy transition (2024)
- Feasibility study of a combined heat and power supply using green hydrogen in **Mongolia** (2024)
- Development of national hydrogen strategy and action plan for accelerating **Thailand's** net-zero target (2024)
- Development of National Green Hydrogen Roadmap for accelerating Carbon Neutrality in **Cambodia** (2025)
- Assessment of Green Hydrogen Potential and Development of a National Strategy in **Guinea** (2025)



Capacity Building AI for Climate Action (2024)

Last year's capacity building workshop on AI for Climate Action has led to the development of 32 AI-led technical assistance ideas globally.



- Asia & Pacific: 17 new ideas
- Africa: 11 new ideas
- LAC: 4 new ideas

Examples include

- AI-based early warning systems
- AI-powered applications to monitor crop diseases (Cote d'Ivoire)
- Simple mobile technologies to collection climate observation data
- IoT-based rainwater harvesting technologies (Burundi)

Capacity Building Climate Finance (2025)

Objective 1

Enhance understanding of climate finance architecture and key actors, including international, regional, and private sector financing entities

Objective 2

Strengthen NDEs' ability to link climate technologies with financing mechanisms, using real-world case studies and interactive project design exercises.

Objective 3

Build capacity to evaluate and improve technical assistance (TA) requests, with a focus on stakeholder engagement, financial scale-up, and social return on investment

Capacity Building

Co-creation for System Transformation (2026)

Objective 1

Enhance understanding of co-creation and engagement tools and techniques to effect a system transformation.

Objective 2

Strengthen NDEs' ability to lead co-creation of climate technologies with financing mechanisms, using real-world case studies and interactive project design exercises.

Objective 3

Build capacity to evaluate and improve technical assistance (TA) requests, with a focus on stakeholder engagement.

Capacity Building

Other capacity building activities

Global CRD2B2 Workshop

28 October – 1 November 2024

Attended by 21+ NDEs with the aim to accelerate joint climate technology research, development & demonstration

Learning visit on green hydrogen and pure cell

21-23 July 2025

Global CRD2B2 Workshop

27-29 August 2025

CRD&D Introduction Session

October 2025 (tbd)

Webinars and courses

AI and Renewable Energy

16 March 2025

Scaling up Implementation of CTCN TAs in Early Warning System for Flood and Drought Management

3 June 2025

FinTech online course (by BCI)

7 July - 30 August 2025

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Communication

Communication Activities



47 news articles, stories, and blogs published

3 video stories developed

13 newsletters released, reaching almost 13k subscribers

840 mentions of CTCN in the media (traditional and online)

Home > News > New Chair and Vice-Chair Appointed For Climate Technology Centre and Network Advisory Board



New Chair and Vice-Chair appointed for Climate Technology Centre and Network

Paving the way for sustainable transportation to achieve net zero

20 Mar 2024 - 12:00 PM



Sudan: Juggling priorities during a difficult time

26 Jun 2024 - 12:00 PM



News facts

- Objective
- Adaptation Mitigation
- Source org: Climate Technology Network
- Sectors: Transport

News facts

- Objective
- Adaptation
- Sectors



Danish Ministry of Foreign Affairs provides DKK 30 million in funding towards CTCN to ensure developing countries meet NDCs



Who we are | Where we work | What we do | Publications & data

News facts

- Objective
- Adaptation Mitigation
- Source org: Climate Technology Network
- Sectors: Transport



As drought sets in, farmers in Saint Kitts and Nevis turn to technology for help

For Meshach Allford, a farmer from the town of Saint Paul's in the Caribbean island of Saint Kitts,



New Edition of Green Technology Book on Energy Solutions

19 Nov 2024 - 12:00 PM

WIPO has released the "Green Technology Book" at COP29 on November 19, 2024. The book focuses on practical energy solutions and highlights the role of technology innovation in fighting climate change.

The Green Technology Book places innovation, technology, and intellectual property at the center of efforts to combat climate change. It acts as a practical guide for governments to take direct action, featuring over 200 energy technology solutions that are either available or in development. These solutions are designed for use in both developed and developing areas, and include essential services like supermarkets, hospitals, and schools.

"We know what needs to be done – our fossil fuel reliance needs to end and clean energy technologies ramped up. Addressing the global energy transition is a top priority for all countries, and developing countries in technology development and adoption is a key priority. This book is a necessary tool for enhancing international cooperation and more efficient technology transfer," said Daren Tan, Director General of WIPO, emphasizing the importance of technology transfer in the green transition.

Forging a new narrative for Asia and the Pacific as NDE Forums commence in the region

09 Jul 2024 - 12:00 PM

Songdo, Republic of Korea, 1-12 July 2024 – The UN Climate Technology Centre and Network (CTCN), in collaboration with the National Institute of Green Technology (NIGT) and Technology Executive Committee, convened National Designated Entities (NDEs) from 25 Asian and Pacific nations for the NDE Forum focusing on the past and future of climate technology development and transfer.



2024 Asia NDE Forum

July 1st-2nd, 2024

AFCIA I: Resilience-Global Adaptation Podcast interview with Nadege Trocellier

21 Nov 2024 - 12:00 PM

Can innovation be our strongest tool against the climate crisis?

In this podcast, Marcus Nield of UNEP's Resilience podcast series interviews Nadege Trocellier on how innovative climate technologies can make a dramatic difference to communities vulnerable to climate change – such as the Dutch Slamdam invention which protects crops during floods and stores water in inflatable rubber barriers, and provides those same crops with water during drought. This programme is supported by AFCIA I. [Listen on](#)

Support the Communication Activities

Engage with CTCN communication on media platforms (LinkedIn, Facebook, etc.).

Allocation of budget for national media engagement during the implementation of technical assistances.





New publications

- [Green Hydrogen Technologies for Systems Transformation: Building a compilation of national strategies, plans and projects 2024, Part 2](#)
- [CTCN 10 YEARS OF ACTION](#)
- [Technical Assistance Project Fact Sheets and Dashboard](#)



UNFCCC publications

- [Gender Just Climate Solutions 2024 \(9th edition\)](#)
- [AI for Climate Action in Developing Countries: Opportunities, Challenges and Risks](#)
- [Artificial Intelligence for Climate Action: Advancing Mitigation and Adaptation in Developing Countries](#)



Network-led publications

- [Integrating AI into Climate Action: Enhancing Climate Technology Capacity in Asia-Pacific Countries](#)
- [WIPO 3rd Green Technology Book](#)

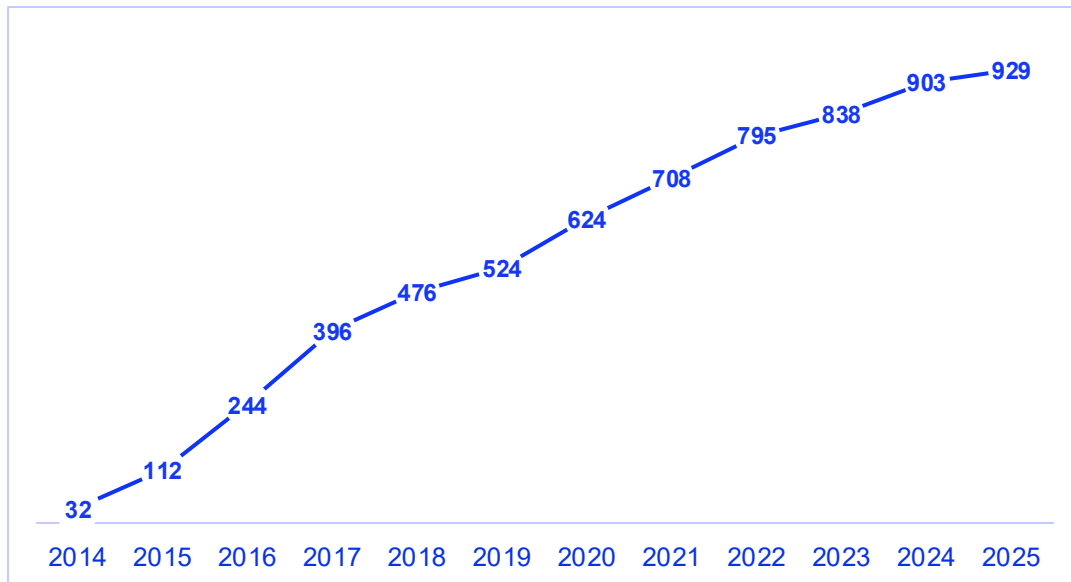
And more...

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Networking and Collaboration

Network Overview

- Network has grown to have **929** members across the world (as of June 2025);
 - 46% from Annex I / 54% from Non-Annex I
 - 32% Asia and the Pacific, 45% Western Europe and others, 11% Africa, 10% LAC, and 2% Eastern Europe



- Over half of the members are from the private sector, followed by research and academic institutions and Non-governmental organizations.

Type of Organization	Percentage
Private sector organization	53.6%
Research and academic institution	16.0%
Non-governmental organisation	11.2%
Not for profit organisation	8.2%
Public sector organisation	5.2%
Intergovernmental organisation	2.1%
Other	1.3%
Partnership	1.0%
Initiative	0.5%
Financial institution	0.4%
Specialized agency	0.2%
Government/Ministry	0.1%
Local government	0.1%
Regional organisation	0.1%
Total	100.00%

Successful South-South Collaboration

Increasing number of successful South-South collaboration TAs:

- Green Habitat Initiative (based in Nigeria) implemented TAs in Nigeria
- Sustainable Solutions Africa (based in Togo) implemented TAs in Uganda, Kenya, Chad and Burkina Faso
- Centre for Scientific and Industrial Research (based in South Africa) implemented a TA in Mauritius
- Regional Centre For Mapping of Resources for Development (based in Kenya) implemented TAs in Sudan and Eswatini

Engage national institutions to join the network



Participation in past Conferences

- 20+ COP29 side events were organized and/or attended.
- Active engagement in SB62 sessions on negotiations.
- Participation in GCF Regional Dialogues in the Caribbeans and the Pacific Islands (no others announced so far)



Participation in upcoming Conferences

Adaptation Futures in Christchurch, New Zealand

13 - 16 October 2025

- Closing AFCIA I
- Launch of the impact report
- Virtual and physical photo exhibition

COP30 in Belém, Brazil

10 – 21 November 2025

- Green Technology Book in collaboration with WIPO
- Youth Climate Innovation (tbc)

Please let us know who of you is going.



COP30
BRASIL
AMAZÔNIA
BELÉM 2025

7

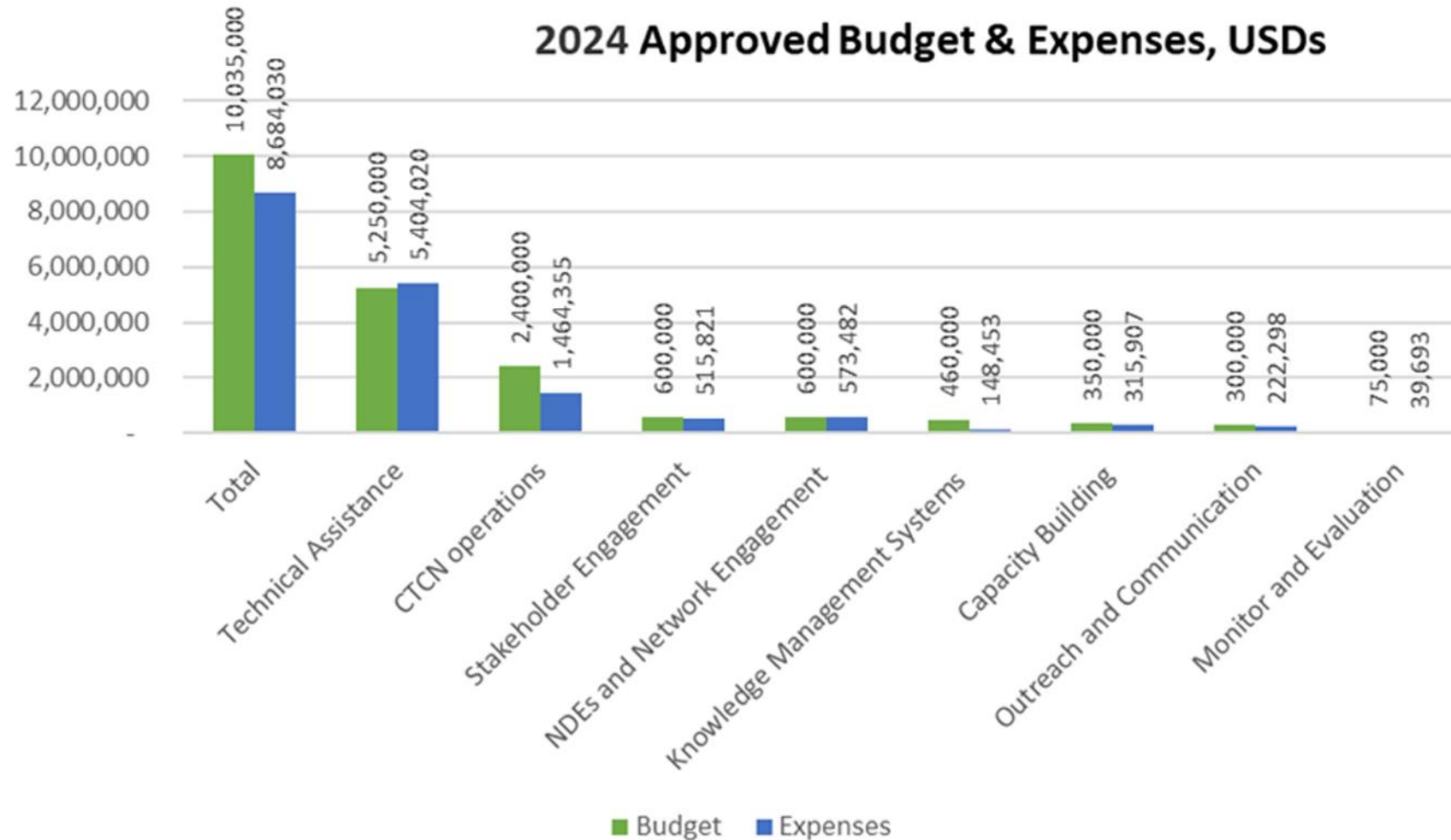
CTCN Operations and Budget

CTCN Secretariat

1. New Regional Manager for Africa started in March
2. CTCN PALO Head (P5) under recruitment
3. LAC Manager (P4) under recruitment
4. Dedicated function for governance-related matters
5. M&E specialist in the recruitment pipeline

CTCN team retreat: 10-11 April 2025

Financial Report by CTCN Service Areas (2024)



CTCN 26th Advisory Board Meeting



CTCN 26th Advisory Board Meeting

- 12 - 17 September 2025
- Bonn, Germany
- AB 26 Agenda
 - Scan the QR Code below
 - or visit <https://www.ctc-n.org/whats-happening/events/26th-advisory-board-meeting>





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