2026 SIDS NDE Joint Programme

Forum, Capacity Building on AI and Energy, and Voluntary Technology Talk

16-18 September 2026,
Incheon & Busan, Republic of Korea

UN environment programme | CTCN UN Climate Technology Centre & Network | GGGI

Ariesta Ningrum
Director of Climate Technology Centre & Network (CTCN)

Group Photo

2026 SIDS NDE Joint Programme

Forum, Capacity Building on AI and Energy, and Voluntary Technology Talk

16-18 September 2026,
Incheon & Busan, Republic of Korea

UN environment programme | CTCN UN Climate Technology Centre & Network | GGGI

Round of Introductions

Overview of the Agenda

Overview of the joint programme

Information sharing and discussing operational matters

Capacity building on AI and Energy for Adaptive management skills

Networking and matchmaking

Songdo

Busan

Day 1	Day 2	Day 3	Day 4	Day 5
Updates on UNFCCC TM matters including discussion with NDEs for institutional agenda	**Updates on UNFCCC FM – GCF & FRLD & Santiago Network**	**World Climate Expo 2026**	**Learn TEC-validated emerging energy technologies**	**Guided tech exhibition**
Updates on AF and consultations (call for proposal)	**CRD&D, DRR, meet potential partners**	**GGGI Sessions A and B** - SK Hynix, DEEPX, RWE, KEEI, GESI, HSBC, Mitsubishi Research Institute, Quebec government, World Economic Forum, LG energy solution, Google - Kiribati and PNG NDEs	**Application of AI - Public and private cases** (Palantir and WB)	**Voluntary technology talk**
	Country status		**Climate narrative and Theory of Change**	**Reflection and closing**

UN environment programme | CTCN UN Climate Technology Centre & Network

Session 1

Updates by UNFCCC Technology Mechanism

UN environment programme | CTCN UN Climate Technology Centre & Network

Bhava Dhungana
UN Climate Change Secretariat

Coffee break (10:10~10:30)

Tomoko Furusawa
Senior programme management officer, CTCN

UN environment programme | CTCN UN Climate Technology Centre & Network

Update on CTCN activities in 2026

Tomoko Furusawa, Senior Programme Management Officer
14 September 2026

Reporting period (JAR 2026) Oct 25 – Sept 2026

1 Technical Assistance

Highlights – TA impacts

Kenya

- KCB: A USD $ 96.6 million GCF full project proposal was approved in March 2026 after a KCB and CTCN co-developed concept note was approved for GCF PPF in November 2024.

Tanzania

- The CTCN e-mobility project catalyzed significant policy and market momentum: charging station guidelines, rollout of 50 Level 2 charging stations across five regions, and a comprehensive package of EV incentives in the 2026/2027 Finance Bill, formalization of a previously unorganized sector by establishing the country's first e-mobility working group, and developed a national e-mobility framework that created a sectoral baseline, helped spur new EV procurement interest from institutions such as Tanzania Posts Corporation (for delivery fleets) and public sector bodies more broadly.

Burundi:

- a co-financed TA with AfDB will kick off the first ever parametric agricultural insurance product in the country
- Expected to mobilise US$5-10 million in private agricultural credit
- Providing 5,000 smallholder farmers with a financial safety net

Highlights – cont.

Pakistan

- TA on **“Technology Roadmap for NDC Implementation”**, completed in November 2024, resulted in **fourconcept notes for scale-up**.
- **USD 158,006 in co-financing from the Korea Green New Deal Trust Fund (KGNDTF)** supported biochar pre-feasibility studies, leading to the **Pakistan Biochar Circular Economy Investment Platform (PB-CIP)**proposal.
- **Potential EUR 5 million support from the Italian Agency for Development Cooperation (AICS)** for scaling upbiochar solutions is under consideration.
- **GGGI, ICARDA and NRSP are advancing a USD 25 million GCF proposal** to scale climate-smart agricultureinterventions in Sindh and Punjab, currently under review by Pakistan’s GCF NDA.

Algeria

- **CTCN's feasibility study and pilot at main plant showed roughly a third of natural gas can be replaced with waste-derived fuels, avoiding ~204,395 tCO_2e/year at the pilot alone, with scope to scale across GICA Group's 13 other plants**
- **The project proponent won the Environment & Sustainability Award at the Algeria Invest Awards 2026 for this planned waste-to-energy project**
- **It is now seeking funding to build a national waste value chain enabling large-scale industrial decarbonization**

Technical Assistance Progress in 2026

18 Technical assistance requests received from 13 different countries

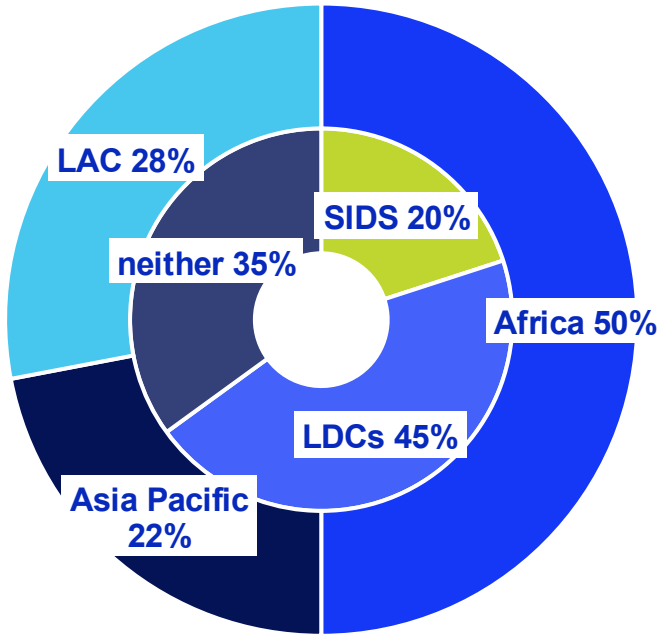
38 Technical assistances being implemented

18 Technical assistances were completed

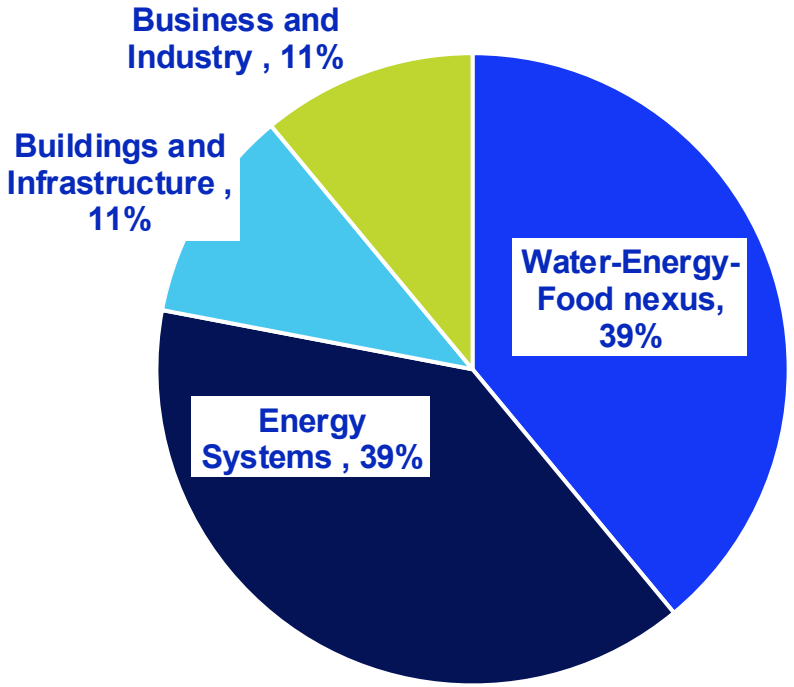
Technical Assistance Portfolio: Closed

18 Technical Assistances in 18 countries were completed

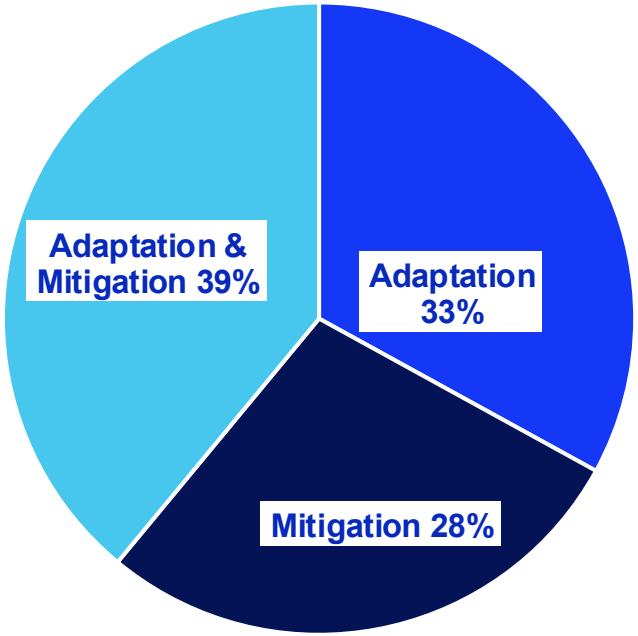
Regional Distribution/SIDS and LDCs



by System Transformation Area



Adaptation vs Mitigation



Flagship Programmes

Adaptation Fund Climate Innovation Accelerator (AFCIA)

The Adaptation Fund has launched a new USD 10 million pilot small grants programme (Adaptation Fund Climate Innovation Accelerator, AFCIA) to foster innovation in adaptation in developing countries at the United Nations Climate Change Conference (COP25).

Adaptation Fund Climate Innovation Accelerator (AFCIA), second edition : AFCIA II

AFCIA II programme builds on AFCIA I by identifying, demonstrating, and scaling up innovative adaptation technologies. AFCIA II will implement more projects, increasing by 60 the number of Technical Assistance that will be funded, with a focus on NSI.

Climate Change and Security: Innovative Community-based Climate Technology for Communities at Risks of Conflicts Due to Climate Impact

The European Union has committed EUR 3 million over 3 years to support ten requests from countries at risks of conflicts due to climate impact in providing conflict-sensitive, field-focused, reliable, cost-effective climate technologies solutions.

Innovative Climate Solutions - ICS Programme

The European Commission has committed EUR 2 million over 2 years to support seven requests from developing countries to support innovative climate technology solutions.

More information available at:
https://www.ctc-n.org/technical-assistance

Learn more

AFCIA Phase I
Programme officially closed.

AFCIA Phase II
1 TA closed
9 TAs under implementation
7 at design phase
109 requests submitted during LAC Call for Proposals

EC-funded Climate Change and Security
Programme officially closed.
1 projects already scaled (Zimbabwe).
5 projects trying to be scaled by GEF.

EC-funded Innovative Climate Solutions
2 TAs closed during the reporting period
5 TAs under Implementation
Top-up for 3 completed TAs

Gender mainstreaming through the TAs

Mali

Pilot project for the sustainable management of wood resources through the promotion of solar cookers and solar energy for the operation of electric cookers in a context of climate change (EC CC&S)

Central African Republic

Production of affordable solar cookers in the deforestation-threatened Bangui region of the Central African Republic (EC CC&S)

Local Communities & Indigenous People

Burkina Faso

- **Reinforcing the implementation of actions to mitigate and adapt to climate change by developing solar energy systems for off-grid agro-industrial facilities through the establishment of a "Community Solar Platform"**

Chad

Rehabilitation of wells in the commune of Liwa, capital of LIWA (Lake region), using solar-powered pumps and drawing up a guide to good practice for the consumption of this water, depending on the end use (drinking water, agricultural livestock, sanitary in Chad)

Post-TA scale-up activities

- Proposals were submitted to the **Mitigation Action Facility** and preparations were made to submit to a China Aid funding window

- Proposal is being prepared for **Adaptation Fund**.
- 5 TAs from the EC CC&S programme are prepared for the **GEF small grants programme.**

- TA projects facilitated private sector such as in **Burkina Faso,** where the TA led to collaboration with private company Orange; and in **Malawi**, a partnership with a national bank was established to support smallholder farmers and prepare a pilot funding request.

- In **Burundi**, the project will test the country's first-ever parametric agricultural insurance product with the **African Development Bank** considering support

Matchmaking

- The CTCN continues strengthening its matchmaking function:

  NDE-NDA coordination session in Asia

  Network Fairs

  Blended finance activities (climate insurance)

2

Capacity Building & Knowledge Sharing

Global Thematic Capacity Building: System Transformation

Region-tailored

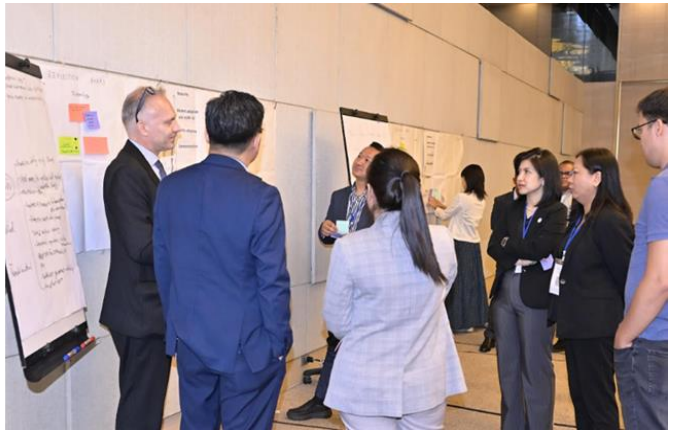
Africa (March 26)
36 NDEs, and 2 AB members participated. Focused on National Systems of Innovation with group discussions and peer-to-peer learning.

Latin America and the Caribbean (May 20-21)
19 NDEs and 2 AB members participated, hosted by Belize. Focused on the WEF Nexus with a scenario-based workshop.

Asia (July 8-10)
28 NDEs and NDAs representing 17 countries participated. Focused on Energy integration with field visit to a private sector, and technology and finance discussions.

SIDS (September 16-17)
10 NDEs from the Pacific and Caribbean. Focused on AI and Energy for Adaptive management. Co-hosted with GGGI and partnered with Google DeepMind.

This programme was developed undertaking NDC analyses and sector priorities identified and delivered session materials and activities tailored to their knowledge level.



Collaborative RD&D: Learning Visit & CRD2B2 Workshop

Global Learning Visit on Green Hydrogen Production and Fuel Cells (14-16 July 2026)

10 participants from Indonesia (AP), Egypt, Keyna, Namibia and South Africa (Africa), Brazil, Chile, and Paraguay (LAC)

Partnered with KIST (Science and Technology), KRICT (Chemical Research) and KIER (Energy Research)

Submission of Concept Note: 31 August 2026

Global CRD2B2 Workshop and Learning Visit on Energy Storage System (1 – 4 September 2026)

24 NDEs and experts from 12 countries:
Kyrgyzstan (Asia), Chad, Gambia, Cote d'Ivoire, Lesotho, Liberia, Somalia, Tanzania (Africa), Fiji, Haiti, Papua New Guinea, St Kitts and Nevis (SIDS)

Co-hosting with KIER Global Research Center and UNITAR CIFAL (Jeju Training Center)

Stakeholder Engagement: knowledge sharing among NDE Fora, FM/FIs, Communities

NDE Fora

73 NDEs from Asia, Africa, Latin America and the Caribbean

- Discuss operational issues and provide updates on UNFCCC agendas, synergy with TEC
- Bilateral with TA team to exchange operational issues

FM/FIs

- GCF Liaison Officers workshop (June 3)
- NDE-NDA coordination meeting in Asia (July 10)

UN and Youth

- Webinar with UNDRR, UN DESA-POG, UNITAR CIFAL Jeju on DRR and Climate resilience
- ChangeNow Summit with Seedstars
- Welcomed Partnership and Liaison Office (PALO) visits from universities and high schools
- Hosted 4 youth volunteers funded by the Incheon Metropolitan City

NDE-NDA engagement (funded by Japan)

NDE-NDA coordination meeting, held in Pattaya, Thailand, on 10 July 2026, in conjunction with the 2026 Asia NDE Forum and Capacity Building, to support national coordination in identifying and discussing scalable climate technology options.

29 NDEs and NDAs representing 20 countries participated, and GCF, AIIB, EDB, KDB, GGGI, and ADPC presented.

Key takeaways:

- Financing and implementation pathways should be designed from the outset
- Fundability must be built progressively
- Technology should be embedded in an investable development solution
- Financing and partnership models should reflect the technology, market and country context.
- Project pipelines require active and sustained stewardship

Youth Climate Innovation Programme

The Youth Climate Innovation (YCI) Programme 2024-2026 has concluded.

Core impact (as of April 2026):

- 339 young innovators trained
- 32 teams incubated
- 11 companies incorporated
- 193k USD in funding raised by teams
- 53 newly hired team members
- 14 teams established strategic partnerships
- 16 teams are supported by other ESOs
- 421 pilot users test solutions

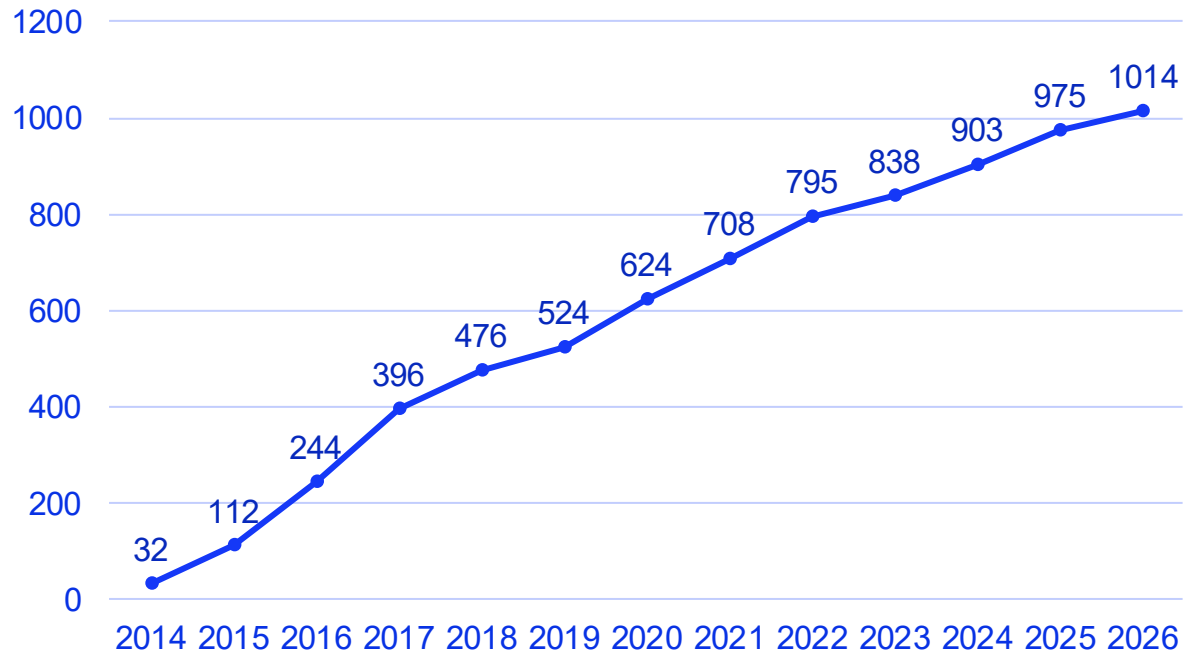
A new programme is under discussion in collaboration with International Chamber of Commerce (ICC).

3 Network

CTC Network Overview

The Network has grown to have **1,014** members.

- 45.4% from Annex I / 54.6% from Non-Annex
- 44% Western European and others, 32.2% Asia-Pacific, 12.1% Africa, 10% LAC, 1.7% Eastern Europe



Type of Organization	Counts	%
Private sector organization	554	54.6%
Research and academic institution	155	15.3%
Non-governmental organization	113	11.1%
Not for profit organization	80	7.9%
Public sector organization	50	4.9%
Intergovernmental organization	20	2.0%
Other	13	1.3%
Partnership	9	0.9%
Initiative	6	0.6%
Financial institution	6	0.6%
Specialized agency	3	0.3%
Government/Ministry	2	0.2%
Regional organization	2	0.2%
Local government	1	0.1%
Total	1,014	100.0%

New Network Members

October 2025 – August 2026

Out of 116 applicants, **59 new members** joined the CTC Network during the reporting period.

Regional Distribution

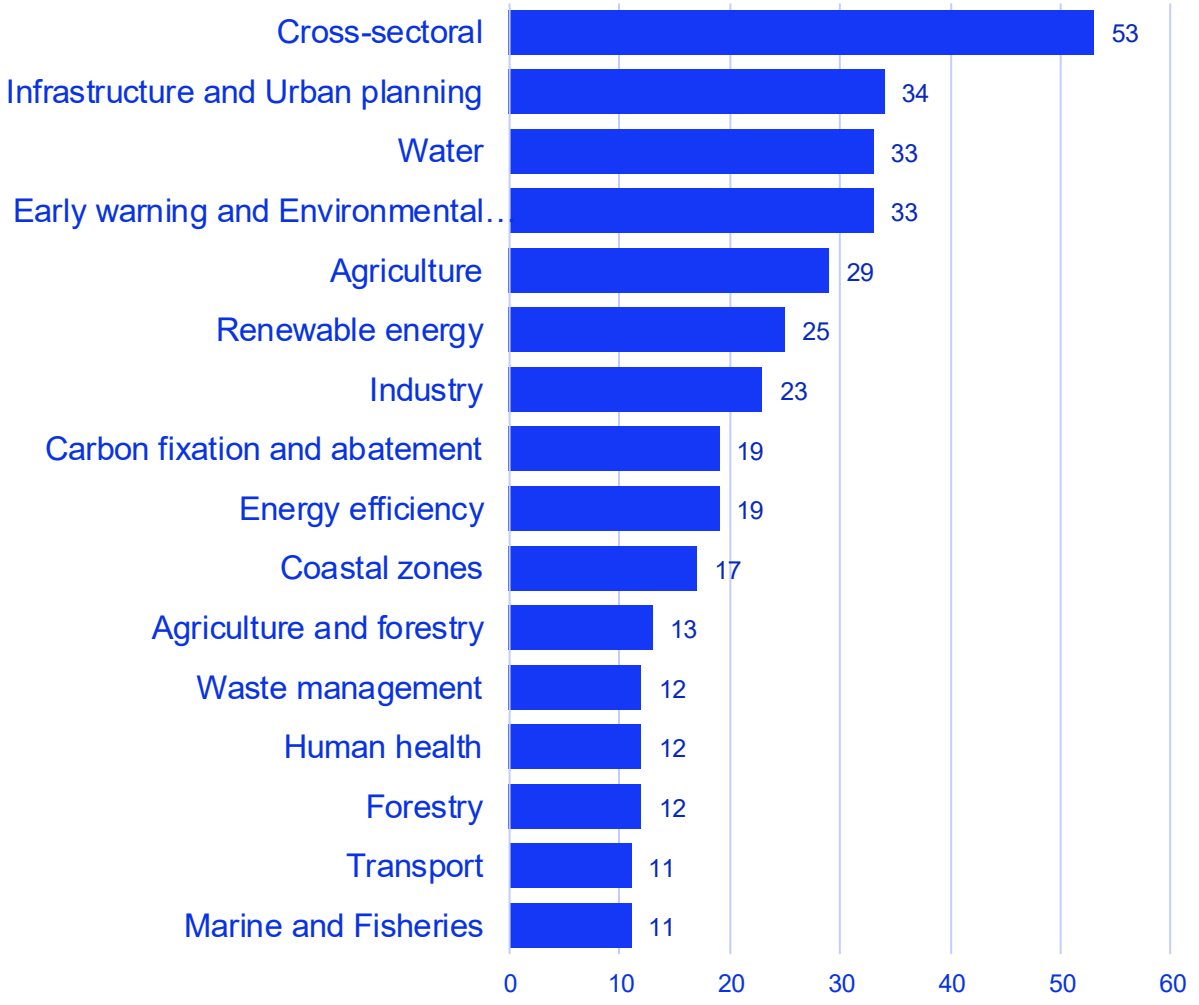
Asia-Pacific (37%), WEOG (36%), followed by Africa (20%) and LAC (7%).

Organisation Type

Private-sector organisations (68%), NGOs (10%), non-profit organisations (7%).

Sectoral Expertise

Cross-sectoral (90%), while most common specific areas are Infrastructure & Urban Planning, Early Warning & Environmental Assessment, Water, Agriculture, and Renewable Energy.



Network Highlights

Network Engagement Strategy adopted

CTCN Network Engagement Strategy was formally approved by the Advisory Board Chairs and published in July 2026, providing a more structured approach to engaging Network Members.

New engagement modalities in practice

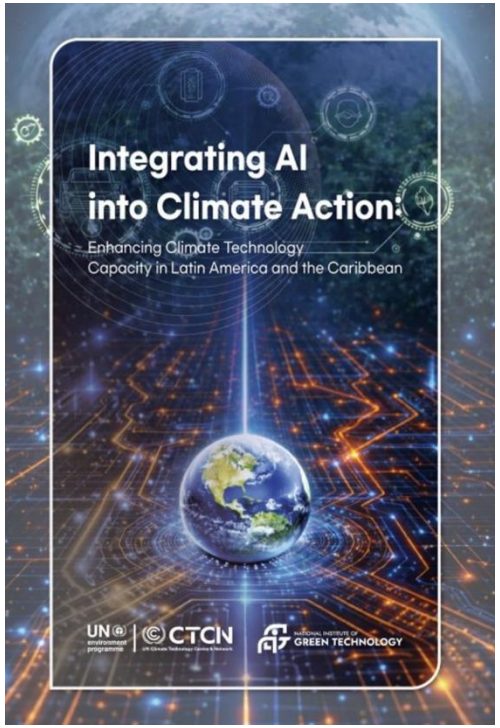
During 2026, CTCN introduced new formats to strengthen interactions and matchmaking between Network Members and NDEs across the regions:

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

Knowledge Products

2 Impact reports

2 Publications



UN environment programme | CTCN
UN Climate Technology Centre & Network

UNFCCC_CTCN
UNFCCC.CTCN
Climate Technology Centre Network

CTCN Secretariat
UN City, Marmorvej 51
DK-2100 Copenhagen, Denmark
www.ctc-n.org
ctcn@un.org

Supported by:

Funded by the European Union
環境省 Ministry of the Environment
METI Ministry of Economy, Trade and Industry
外務省 Ministry of Foreign Affairs of Japan
Ministry of Foreign Affairs of Denmark
Norwegian Ministry of Foreign Affairs
Green Climate Fund
United States of America
Adaptation Fund
Canada
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
Swiss Confederation
Federal Department of Economic Affairs, Education and Research EAER
State Secretariat for Economic Affairs SECO
gef
UK Government
Ministry of Science and ICT
Federal Ministry for Economic Affairs and Energy
Government Offices of Sweden
Ministry of the Environment and Energy
Ministero dell'Ambiente e della Tutela del Territorio e del Mare
NDC Partnership
Spanish Cooperation
Federal Ministry
Republic of Austria
Climate Action, Environment, Energy, Mobility, Innovation and Technology
Ministry for Foreign Affairs of Finland
Comhshaol, Pobal agus Rialtas Áitiúil
Environment, Community and Local Government

Pedro Ivo Ferraz da Silva (TEC Chair)
Brazil, Non-Annex I
Latin America and the Caribbean

Q&A

G-Tower
Where to eat?

Follow the route

Click name for Google Maps

Gobok Shabu Shabu (2F)
(Korean)

Cafe Comma & Yann Couvreur
(Cafe & bakery/Vegetarian)

Sushi Ra
(Japanese sushi, closed Mondays)

Mattarello
(Italian/Vegetarian, closed Mondays)

Elbed-el
(Chinese, dimsum, closed Mondays)

Impasto
(Western/italian)

Osuog
(Korean, closed Mondays)

For a full list of nearby eateries, Follow this link: https://bit.ly/45LLaVA

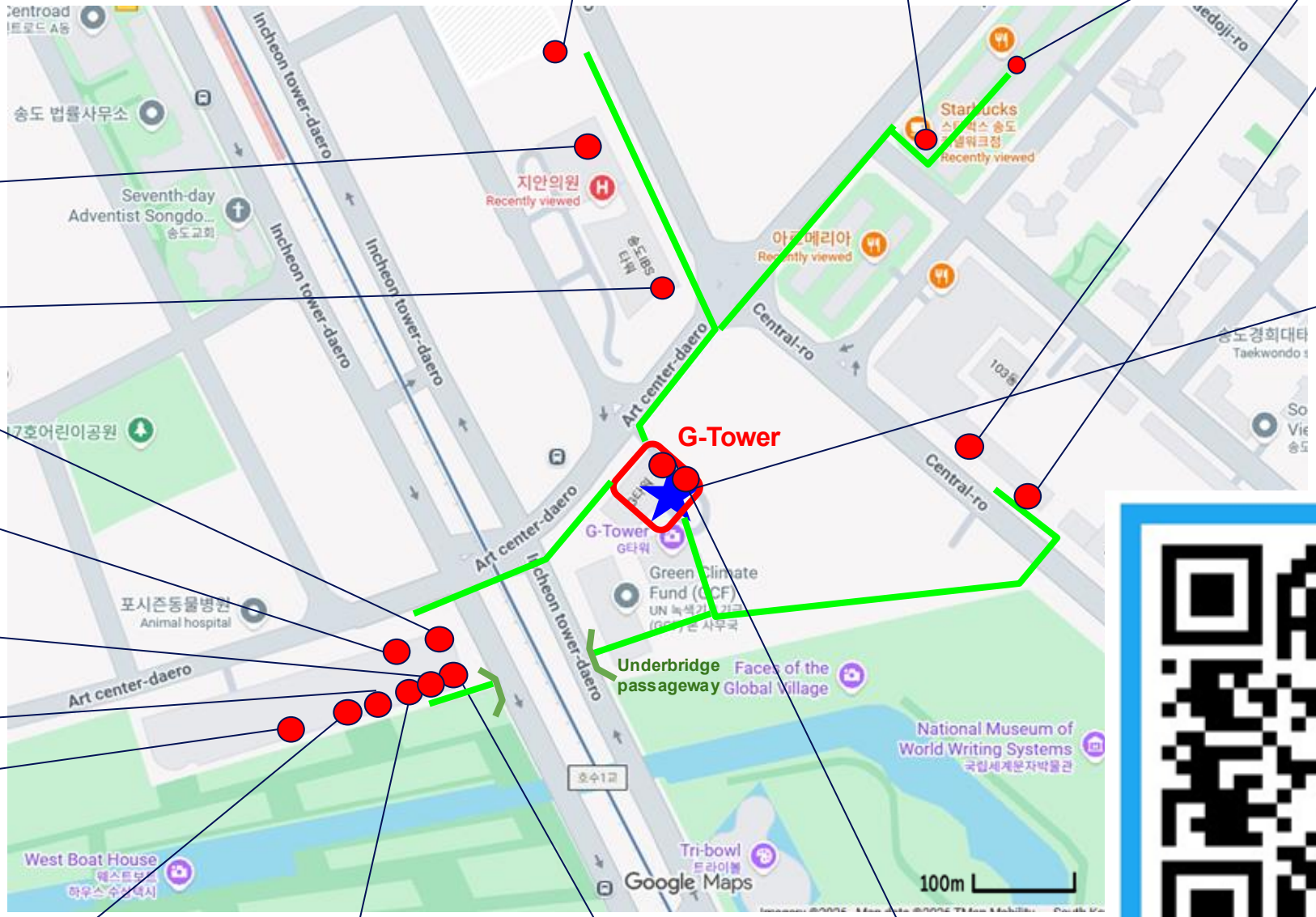
Sandria
(Sandwiches/Vegetarian)

Starbucks
(Cafe/Vegetarian)

Noodle Box
(Asian noodles)

Oozy Coffee
(Cafe/snacks/Vegetarian)

Lounge 25
(Cafe & pizza/Vegetarian)



Haegin (2F)
Inside G-Tower
(Coffee & Bistro)
Quick lunch options:
Sandwiches
Mealboxes
Soup
Salad
Poke

Karez
(Japanese-style curry, closed Mondays)

Nice Time
(Italian/Vegetarian)

Danbaku Ramen
(Japanese)

Cafe Tree (1F)
(Cafe/snacks)

UN environment programme | CTCN UN Climate Technology Centre & Network

Session 2

Roundtable Discussion with NDEs

Responses from the CTCN secretariat

Recap Q&A - TA requests and prioritization

01 Can NDEs participate in selecting the implementing partner?
Not on the procurement committee. NDEs shape the response plan and expert requirements, and they can circulate the REoI to capable institutions and experts.

02 Where can countries see who has received CTCN support?
The CTCN project portal lists technical assistance projects that are under preparation, implementation and completion.

03 Can TNAs be used when revising NDCs?
Yes. Countries are encouraged to reflect TNA findings in updated NDCs, and CTCN can support **implementation** of TNAs and TAPs on request.

04 How does CTCN maintain regional and sub-regional balance?
Screening uses balancing criteria that give priority to LDCs, SIDS and countries that have not benefited from technical assistance during the last five years.

05 Can non-prioritized requests be reconsidered later?
Yes. NDEs receive feedback on how to improve their request, and later support remains possible when funding is available.

Project Portal

Project portfolio: www.ctc-n.org/technical-assistance/projects

Recap Q&A - Operations, mandate and knowledge support

06 What support is available for countries that have not benefited recently?
CTCN prioritizes them in screening and can also provide regional guidance, workshop logistics and peer exchange through regional NDE forums.

07 How is the CTCN hosted and staffed?
CTCN is the implementation arm of the UNFCCC Technology Mechanism and is currently hosted by UNEP.

08 What is the annual budget and how is it used?
The annual operating plan discloses the overall budget and how it is used each year.

09 Does CTCN provide direct funding for climate technology projects?
No. CTCN is not a funding mechanism; it supports countries through technical assistance, capacity building and collaborative research and development.

10 How can NDEs keep up with emerging technologies and innovations?
CTCN shares an annual menu of capacity-building activities and keeps NDEs informed through mixed learning formats, webinars, newsletters and direct emails.

Reference pages

Staffing: www.ctc-n.org/about-ctcn/who-we-are
Budget: www.ctc-n.org/about-ctcn/governance

Can party (country) host the Annual Africa NDE Forum & CB Event?
Thailand has answered this question today. Please coordinate with CTCN if your country would wish to host this forum in future.

Recap Q&A - Logistical Support, TEC and focal-point coordination

11 Does CTCN provide logistical support to NDEs?
Yes. Support is available for Modality 1 ideation workshops and Modality 2 post-TA implementation through small-scale fund agreements with UNEP.

12 How long does the logistical support process take?
Around 1 month if the host institution is already a UNEP partner; up to 3 months if partner validation is still needed.

13 What is TEC's budget and how are its activities funded?
TEC funding comes through the UNFCCC budget, with detailed budget information published by UNFCCC.

14 What is the relationship between TEC and CTCN?
Together they make up the UNFCCC Technology Mechanism: TEC is the policy arm, while CTCN is the implementation arm.

15 How should NDEs coordinate with NDAs and other finance focal points?
Country-led coordination is essential for climate technology finance. CTCN can facilitate dialogue when opportunities arise, but permanent joint platforms need political backing and dedicated funding.

16 How can we improve cooperation between NDE & Network Members?
CTCN has introduced Network Fair

Coordination message

Active outreach by NDEs to NDAs and other financing focal points is strongly encouraged.

Roundtable discussion with NDEs

United Nations Climate Change
Technology Executive Committee

UN environment programme | CTCN
UN Climate Technology Centre & Network

1) Belem Technology Implementation Programme (BTIP)

Q1. Have you seen successful approaches (either nationally or from other countries) that help bridge the gap between technology identification and implementation?

Q2. What are the main barriers preventing countries from moving from technology planning and technical assistance to large-scale deployment and diffusion of climate technologies?

2) CTCN's independent review

Q3. If you could recommend one improvement to strengthen the relevance and effectiveness of the CTCN for all countries, what would it be?

3) Hosting Agency

Q4. What partnerships should the hosting agency promote to ensure the CTCN remains fit for purpose over the next decade?

4) TM-FM linkages (preface to Day 3 and 4)

Q5. Where do the greatest disconnects remain between climate technology needs and access to finance? How could CTCN support?

UN environment programme | CTCN UN Climate Technology Centre & Network

Session 3

Updates on Support

Hoyoung Jo
Climate Technology Specialist, CTCN

2026 SIDS NDE Joint Programme

Forum, Capacity Building on AI and Energy, and Voluntary Technology Talk

16-18 September 2026,
Incheon & Busan, Republic of Korea

UN environment programme | CTCN UN Climate Technology Centre & Network | GGGI

UN environment programme | CTCN
UN Climate Technology Centre & Network

Key Concept Notes for Technical Assistance for 2026-27: Global and SIDS

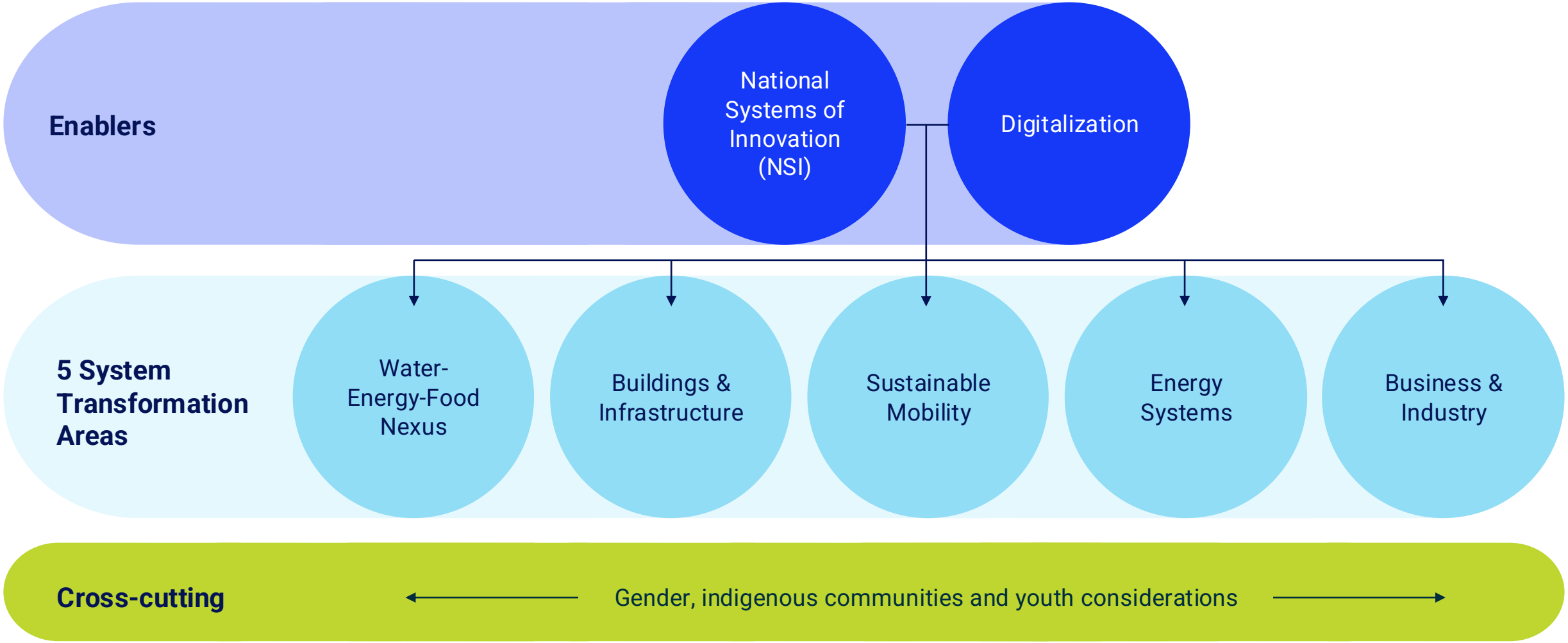
Hoyoung Jo
CTCN Secretariat

1 Technical Assistance Process

CTCN's 3rd Programme of Work 2023-2027

United Nations Climate Change Technology Executive Committee

UN environment programme | CTCN UN Climate Technology Centre & Network



Technical Assistance Process

1 Request Submission	2 Response Plan Design	3 Bidding Process	4 Project Implementation	5 Monitoring and Evaluation
Evaluation of requests for technical assistance within **2 weeks**, depending on clarity of the request.	Development of response plans within **2-3 months**, provided that the necessary information is available and key stakeholders are responsive.	Conduct of the competitive bidding process for about **8 months** depending on UNON procedures	Delivery of the technical assistance between **12-18 months** depending on the requested activities.	Execution of monitoring and evaluation activities on an **ongoing basis**.

Request Submission

United Nations Climate Change
Technology Executive Committee

UN environment programme | CTCN UN Climate Technology Centre & Network

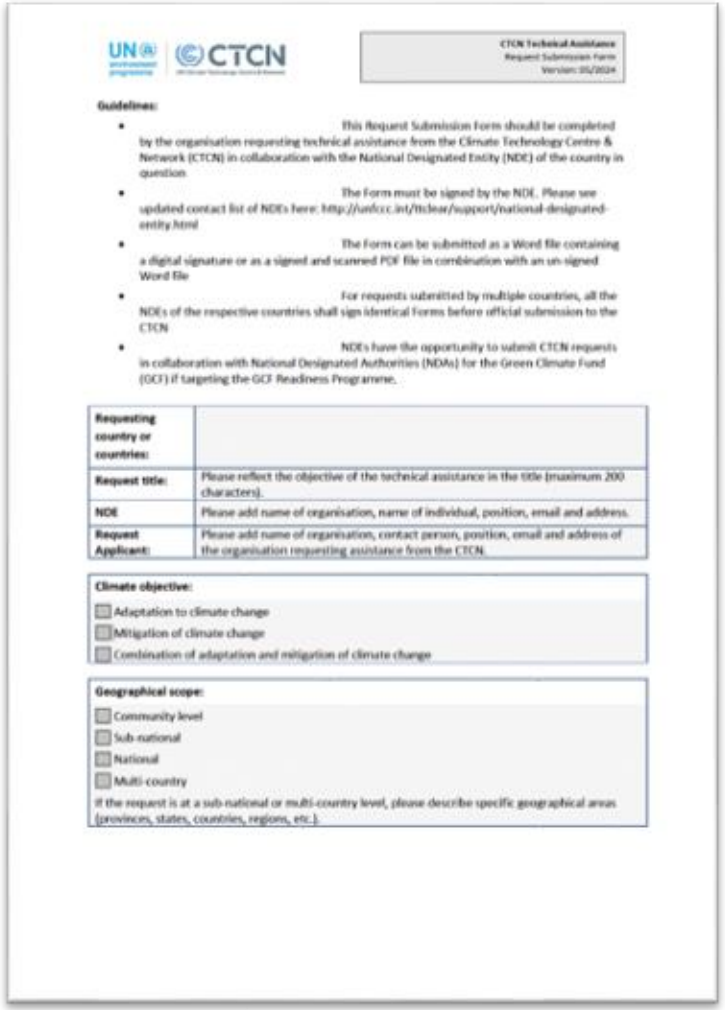
Interested parties in developing countries contact their national focal point (NDE) to request climate technology assistance, using the request template.

The NDE confirms the alignment of the request with its national climate priorities and passes it along to the CTCN.

Requests can be submitted on a rolling basis.

Best practices:

- Identification or alignment of climate technologies needs through national strategies, such as TNAs/TAPs
- Engagement of all relevant stakeholders before submission
- Check existing resources on CTCN website or WIPO Green Technology Database



UN environment programme | CTCN

CTCN Technical Assistance
Request Submission Form
Version: 05/2024

Guidelines:

- This Request Submission Form should be completed by the organisation requesting technical assistance from the Climate Technology Centre & Network (CTCN) in collaboration with the National Designated Entity (NDE) of the country in question
- The Form must be signed by the NDE. Please see updated contact list of NDEs here: http://unfccc.int/ttclear/support/national-designated-entity.html
- The Form can be submitted as a Word file containing a digital signature or as a signed and scanned PDF file in combination with an un-signed Word file
- For requests submitted by multiple countries, all the NDEs of the respective countries shall sign identical Forms before official submission to the CTCN
- NDEs have the opportunity to submit CTCN requests in collaboration with National Designated Authorities (NDAs) for the Green Climate Fund (GCF) if targeting the GCF Readiness Programme.

Requesting country or countries:	
Request title:	Please reflect the objective of the technical assistance in the title (maximum 200 characters).
NDE	Please add name of organisation, name of individual, position, email and address.
Request Applicant:	Please add name of organisation, contact person, position, email and address of the organisation requesting assistance from the CTCN.

Climate objective:

- ☐ Adaptation to climate change
- ☐ Mitigation of climate change
- ☐ Combination of adaptation and mitigation of climate change

Geographical scope:

- ☐ Community level
- ☐ Sub-national
- ☐ National
- ☐ Multi-country

If the request is at a sub-national or multi-country level, please describe specific geographical areas (provinces, states, countries, regions, etc.):

Request evaluation

The CTCN evaluates the submitted request based on a standard-ized framework.

To prioritize a technical assistance request, it must meet two compulsory criteria (#1 and #2).

Additionally, it must comply with four out of the remaining six criteria.

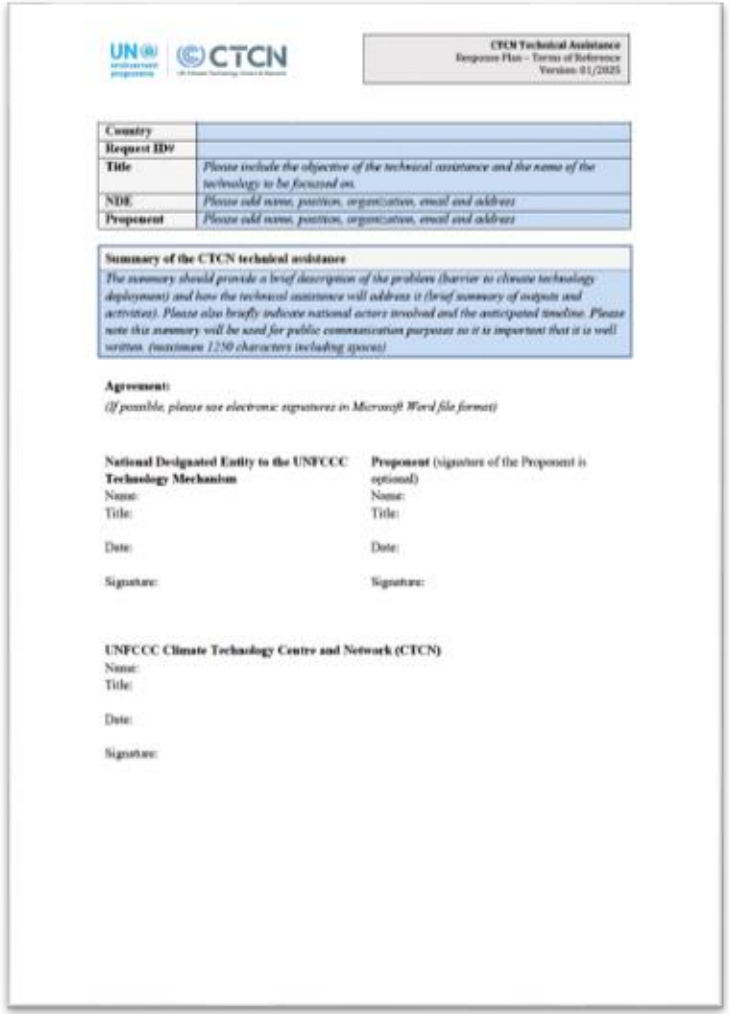
	Prioritization Criteria
1	The request is aligned to the CTCN's existing Programme of Work.
2	The request is aligned to the key themes of the Technology Framework of the Paris Agreement.
3	The request is submitted by LDCs or SIDS or by a country that has not received CTCN technical assistance in the last 5 years, taking into account regional balance.
4	The request contributes to the CTCN's portfolio balance between mitigation and adaptation.
5	The request has the potential to contribute to systems transformations (nationally, regionally, and/or internationally.
6	The request is part of multi-country approach to allow regional bundling of requests to promote collaboration among stakeholders, including between countries (South-South, bilateral, or multilateral cooperation).
7	The request, developed in consultation with or with the engagement of various national climate-related focal points, enables leveraging public and/or private financing or is developed in consultation with research or private sector.
8	The request promotes gender equality and / or the empowerment of youth, Indigenous Peoples, or local communities.

Response Plan Design

The CTCN collaborates with the NDE and applicants to develop a tailored ‘Response Plan’. This Response Plan will set the basis for the Terms of Reference under which an implementing partner will be contracted.

Best practices:

- Proper involvement of all relevant stakeholders in the preparation and review
- Preparation of resources and data that are relevant for the implementation
- Clear setting of expectations for all activities, including data collection, stakeholder engagement, capacity building, etc.
- Anticipation of follow-on activities and financing



CTCN Technical Assistance
Response Plan – Terms of Reference
Version: 01/2025

Country	
Request ID#	
Title	*Please include the objective of the technical assistance and the name of the technology to be focussed on.*
NDE	*Please add name, position, organization, email and address*
Proponent	*Please add name, position, organization, email and address*

Summary of the CTCN technical assistance

The summary should provide a brief description of the problem (barrier to climate technology deployment) and how the technical assistance will address it (brief summary of outputs and activities). Please also briefly indicate national actors involved and the anticipated timeline. Please note this summary will be used for public communication purposes so it is important that it is well written. (maximum 1250 characters including spaces)

Agreement:

(If possible, please use electronic signatures in Microsoft Word file format)

National Designated Entity to the UNFCCC Technology Mechanism
Name:
Title:

Date:

Signature:

Proponent (signature of the Proponent is optional)
Name:
Title:

Date:

Signature:

UNFCCC Climate Technology Centre and Network (CTCN)
Name:
Title:

Date:

Signature:

Bidding Process

The CTCN prepares bidding documents based on the agreed Response Plan.

The competitive bidding is conducted through the United Nations Office of Nairobi (UNON), abiding by UNEP rules and regulations.

Consortium partners or existing and new Network members can respond to the Expression of Interest (EoI) and thereafter to the Request for Proposals (RfP).

A weighted technical evaluation (by CTCN) and financial evaluation (by UNON) of bids is conducted. No involvement of the NDE or beneficiary is possible.

Pass / Fail Criteria	1. CTCN Network Membership 2. The bidder firm has been in business relevant to the Terms of Reference for at least five (3) years 3. Statement to not sub-contract more than 50% of the budget allocated to the work 4. If not an organization based in the requesting country, letter of partnership with a local organization/expert with clearly defined roles and at least 25% of budget 5. Reference letter from a past client indicating experience of conducting similar work to the ToRs 6. Work Plan detailing activities, deliverables and timelines for this requirement in line with the ToR 7. Organigram and curriculum vitae/professional qualifications of each key personnel 8. Approach and Methodology to undertake the work
Scoring Criteria	Around 7 criteria defined for each technical assistance individually to for the technical evaluation and scoring of the different bids

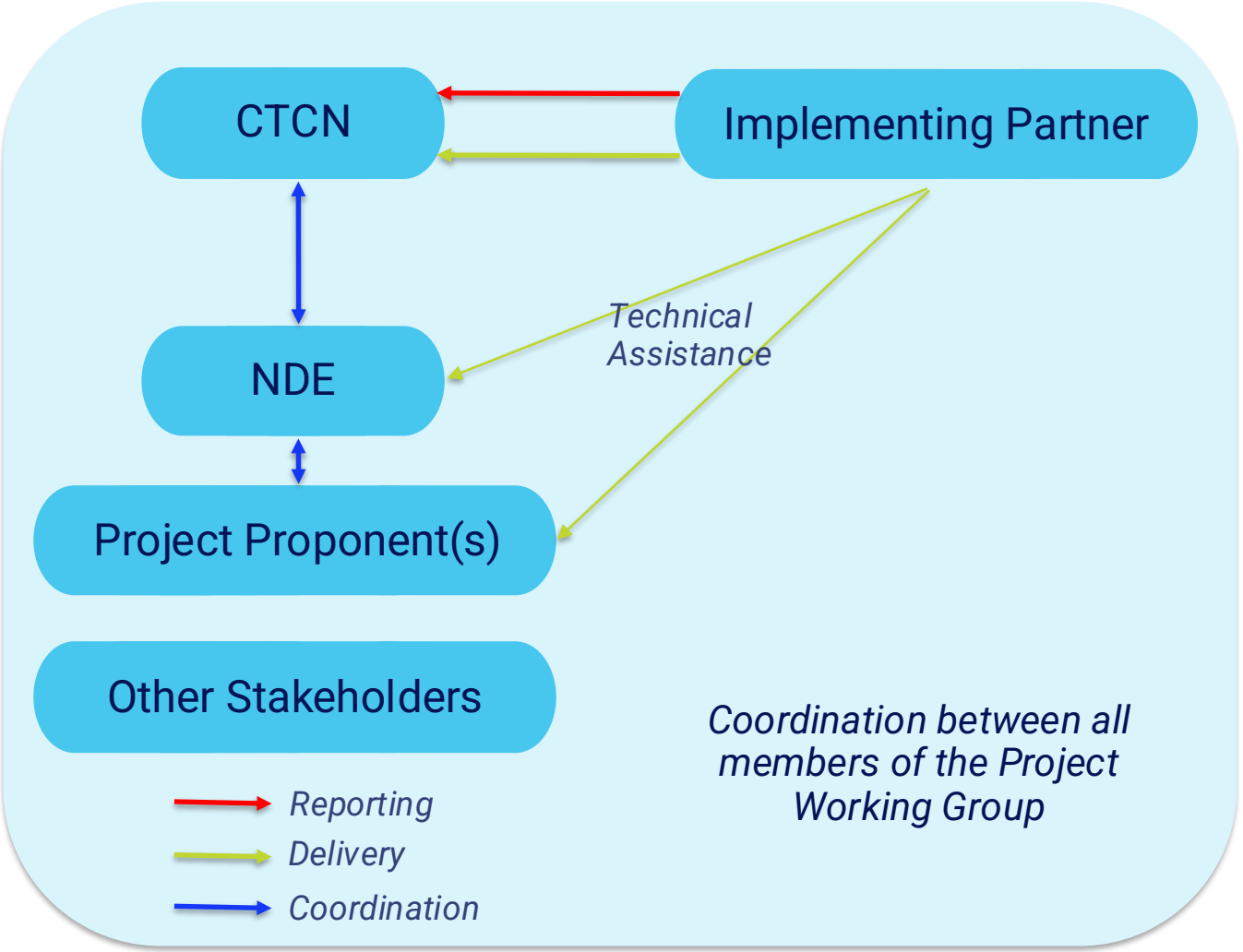
Project Implementation

The network member selected through a competitive bidding process implements the project according to the 'Response Plan'.

At the beginning of the technical assistance, the network member / implementing partner will develop a monitoring and evaluation (M&E) plan, detailed workplan, and gender assessment and action plan.

Regular project steering meetings will be organized to provide updates. Deliverables will be shared for review and approval with the NDE and proponent.

The CTCN conducts due diligence of deliverables and regular monitoring and evaluation.



Monitoring and Evaluation

United Nations Climate Change Technology Executive Committee

UN environment programme | CTCN UN Climate Technology Centre & Network

The CTCN regularly reach out to the NDEs, project implementers and project proponents to follow up to collect the lessons learned and impacts achieved in countries before, during and after implementation.

Beginning	During	End	After

M&E Plan

Template to define performance and success indicators for the technical assistance.

By Implementing Partner

Progress Reporting

Continuous reporting on the project progress and success.

By Implementing Partner

Closure Report

Template to evaluate final project performance and lessons learned

By Implementing Partner

NDE Feedback Form

Template to provide feedback on implementation and define next steps after closure

By NDE and Proponent

Post-implementation Form

Template to provide updates on post-implementation progress and impact for past technical assistances on an annual basis

By NDE and Proponent

2

Global TA Topics

Priority topics across regions

Across regions, CTCN TA demand is shifting toward integrated systems, implementation readiness, and scale-up pathways.

Water–Energy–Food Nexus	**Climate-resilient agriculture, water security, food systems** Feasibility studies, pilots, decision-support tools, business models, investment concepts
Buildings & Infrastructure	**Multi-hazard platforms, urban/coastal resilience, green buildings** Risk maps, platform specifications, planning tools, local capacity building
Energy Systems	**Renewable integration, green hydrogen, SF_6 reduction, energy efficiency** Roadmaps, grid/policy studies, technology assessments, implementation frameworks
Business & Industry	**Circular economy, MSME finance, industrial decarbonization** Sector roadmaps, finance taxonomies, market assessments, scale-up concepts
Sustainable Mobility	**E-mobility policy, charging infrastructure, transport planning** Policy frameworks, tariff/regulatory analysis, deployment planning

Key takeaway: stronger TA concepts explain not only the technology, but also the system change and next implementation step

Global lessons for stronger TA concepts

The strongest TA requests are clear, nationally owned, and designed around how the outputs will be used after completion.

1	**National ownership**	NDE, project proponent, line ministry, local users, and potential donors/investors are identified early.
2	**Specific technology need**	The request defines the technology, system or decision-making gap.
3	**Implementation-oriented outputs**	TA outputs lead to a roadmap, feasibility study, pilot design or investment concept.
4	**Scale-up logic**	The concept explains possible GCF, GEF, MDB, bilateral, private-sector or national financing routes.
5	**Post-TA use**	There is clarity on who will use the outputs and what decision they will support.

What this means for SIDS TA requests

For SIDS, the priority is not only to generate more TA requests, but to strengthen the quality, ownership and scale-up readiness of each request.

Move from…		Move toward…
A broad climate problem	▶	**A specific technology or system gap**
A standalone study	▶	**An output that supports implementation**
Late engagement with finance actors	▶	**Early coordination with potential donors/investors**
Unclear post-TA ownership	▶	**A defined user of TA outputs and next decision**
One-off technical support	▶	**A pathway to pilot, policy decision, investment or scale-up**

3 Global Trends for TA in 2026

Technical Assistance Highlights in Buildings & Infrastructure

Trends in requests:

- Both requests on EWS
- One of which water-related
- Increased attention on use of market mechansims (ESCOs) for energy efficiency retrofitting in buildings

Country	Examples of TAs completed during reporting period
Malaysia	Development of a Multi-Hazard Platform for forecasting local level climate extremes and physical hazards for Iskandar Malaysia (AFCIA I)
Ecuador	Implementation of improvements to the National Drought Monitor of Ecuador (MONSE) for the integration of a drought risk scenario module in Ecuador (AFCIA 1)

SIDS relevance: Effective EWS concepts need to connect technology and data with institutional responsibilities, user communication and early action.

Deep dive: Early Warning Systems (EWS)

Two TAs on EWS were completed during reporting period:

- Development of a Multi-Hazard Platform for forecasting local level climate extremes and physical hazards for Iskandar Malaysia (AFCIA I)

- Implementation of improvements to the National Drought Monitor of Ecuador (MONSE) for the integration of a drought risk scenario module in Ecuador (AFCIA 1)

Not its own category during the Third PoW

It is projected that El Nino will increase demand even more

Malaysia: Development of a Multi-Hazard Platform for forecasting local level climate extremes and physical hazards for Iskandar

Implementation period: 2023-2025

Project status: Completed

NDE: Dr. Sugumari Shanmugam, Under Secretary, Climate Change Division, Ministry of Environment and Water

Project proponent: Ms. Kamisah Mohd Ghazali, Senior Vice President, Iskandar Regional Development Authority (IRDA)

Implementing partner: Stichting Deltares

Main objective: To develop a prototype Multi-Hazard Platform (MHP) for Iskandar Malaysia that integrates local climate extremes and coastal hazard risks, strengthens forecasting capacity, and supports evidence-based decision-making for disaster resilience

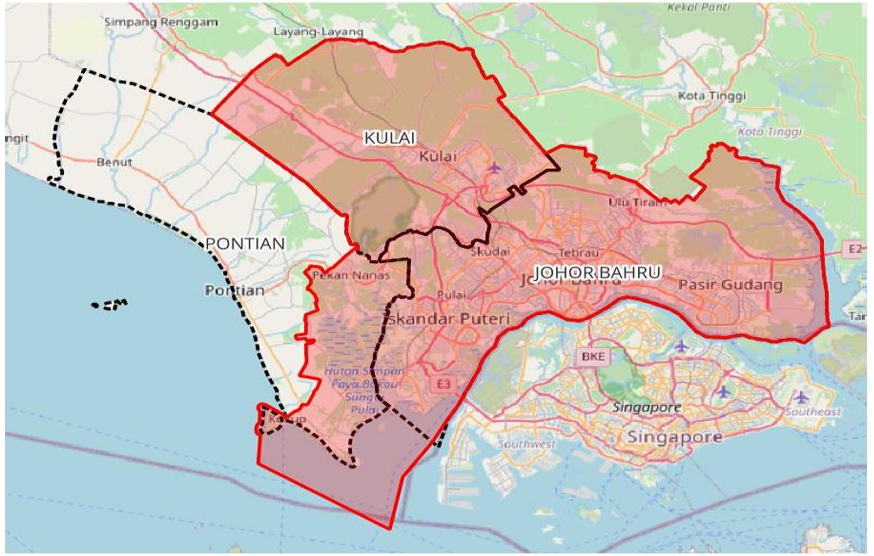


Figure 2-1 Study area indicated by the red area.

Malaysia: Development of a Multi-Hazard Platform for forecasting local level climate extremes and physical hazards for Iskandar

Key outputs:

- Technical specifications for integrating local climate and hazard data into the MHP.
- Probabilistic hazard maps and localized hazard forecasts (floods, storm surges, coastal erosion, sea-level rise).
- Prototype MHP and decision support tool with user manual.
- Assessment of financing needs for a fully operational system (including climate finance options such as GCF).
- Capacity building and training for local authorities and communities, with a gender-sensitive approach.
- Early action protocols and communication materials for disaster preparedness.

ure 4-2 Group picture after the morning session of the 11 March workshop.

Post-project impact:

Enhanced Forecasting

Improved coastal hazard response for Iskandar Malaysia

Policy Support

Inputs for Low Carbon Society Blueprint & PESISIR programme

Scaling Potential

Foundation for fully operational MHP with GCF financing

Inclusive Resilience: Empowering women and vulnerable groups through capacity building and early warning systems.

Shared Learnings: Replicable tools and insights for other Southeast Asian coastal cities.

Technical Assistance Highlights in Business and Industry

Trends in requests:

- Both in Latin America
- Developing circular business models
- Supporting Micro, small, and medium enterprises (MSMEs)
- Scaling up low-carbon and climate-resilient businesses led by women
- Promoting sustainable agri-business towards reducing risk for small farmers

Country	Examples of TAs completed
Ecuador	Adoption of climate technologies applicable to MSMEs in the floriculture sector
Peru	Feasibility study to develop an aquaponics facility based on a semi-enclosed/protected environment as a climate change adaptation measure to be replicated in Peru (EC ICS)

SIDS relevance: TA can combine climate technology with viable business models, MSME participation and a realistic pathway for replication or finance.

Technical Assistance Highlights in Energy Systems

Trends in requests: Continued interest in green hydrogen

Country	Examples of TAs completed
Algeria	Feasibility study and technical support for the implementation of a pilot project waste-to-energy pilot project at a cement plant belonging to the Groupe Industriel des Industriel des Ciments d'Algérie
Burkina Faso	Reinforcing the implementation of actions to mitigate and adapt to climate change by developing solar energy systems for off-grid agro-industrial facilities through the establishment of a "Community Solar Platform" (EC CC&S)
Cambodia	Development of a National Green Hydrogen Roadmap for accelerating Carbon Neutrality (Pro Bono the Republic of Korea) **(LV 2024 Green hydrogen)**
Comoros	Pre-feasibility study of the use of photovoltaic systems on the roofs of public buildings in the Comoros, with a connection to the network, and the definition of a net metering policy
Kenya	Development of a SF6 Phase-out Roadmap and Pilot Projects in Kenya (EC ICS)

Technical Assistance Highlights in Energy Systems

Trends in requests: Continued interest in green hydrogen

Country	Examples of TAs completed
Maldives	Feasibility study on green hydrogen potential in Maldives and development of a national roadmap for sustainable energy transition
Papua New Guinea	Pre-feasibility study on Ocean Energy focusing on Salinity Gradient Energy Technology and Electrochemical Ocean Thermal Energy Conversion in Papua New Guinea (cRD&D)

SIDS examples illustrate different pathways:
Maldives: feasibility → national roadmap → policy framework → scale-up concept note
Papua New Guinea: pre-feasibility → technical validation → potential pilot / cRD&D scale-up pathway

Maldives: Feasibility study on green hydrogen potential in Maldives and development of a national roadmap for sustainable energy transition

Green hydrogen as a complement to renewable energy for island energy security and decarbonization

Country challenge

- Dispersed island power systems with no interconnected national grid
- Heavy dependence on imported fossil fuels and high diesel-based generation costs
- Land constraints and renewable-energy variability limit deeper solar integration
- Need to strengthen both energy security and decarbonization

CTCN TA pathway

1. Baseline & stakeholder consultation
2. Techno-economic feasibility assessment
3. Proposed national GH_2 policy framework
4. Pilot-focused scale-up concept note + capacity building

Technical Assistance Highlights in WEF

Trends in requests:

- Strong focus on water and food-related technologies

Country	Examples of TAs completed since October 2024
Burundi	Strengthening agricultural resilience in Karusi, Burundi, through low-intensity irrigation and IoT-based rainwater harvesting technologies (AFCIA II)
Central African Republic	Production of affordable solar cookers in the deforestation-threatened Bangui region of the Central African Republic (EC CC&S)
Chad	Rehabilitation of wells in the commune of Liwa, capital of LIWA (Lake region), using solar-powered pumps and drawing up a guide to good practice for the consumption of this water, depending on the end use (drinking water, agricultural livestock, sanitary in Chad) (EC CC&S)
Guatemala	Promoting sustainable irrigation technologies: a water-energy-food (WEF) nexus perspective towards reducing climate risk from small farmers in high climate risk in the municipalities of Rabinal, and San Miguel Chicaj in the Dry Corridor of Baja Verapaz (AFCIA I)

Technical Assistance Highlights in WEF

Trends in requests:

- Strong focus on water and food-related technologies

Country	Examples of TAs completed since October 2024
Haiti	Organic waste management project, targeting women and young people in particular, using inflatable tanks. (EC CC&S)
Mali	Pilot project for the sustainable management of wood resources through the promotion of solar cookers and solar energy for the operation of electric cookers in a context of climate change (EC CC&S)
Senegal	Multi-country agrivoltaic technology project in West and Central Africa (EC ICS)

SIDS example – Fiji

CTCN's ongoing climate-resilient agriculture TA combines policy revision, improved agricultural data management, institutional capacity building and development of a scale-up project concept note.

Technology Enablers: Highlights in National Systems of Innovation

Trends in requests:

Majority of requests come from Africa and LAC and 6 out of the 11 TAs completed come through EC programmes

Country	Examples of TAs completed
Algeria	Feasibility study and technical support for the implementation of a pilot project waste-to-energy pilot project at a cement plant belonging to the Groupe Industriel des Industriel des Ciments d'Algérie
Cambodia	Development of a National Green Hydrogen Roadmap for accelerating Carbon Neutrality (Pro Bono the Republic of Korea)
Central African Republic	Production of affordable solar cookers in the deforestation-threatened Bangui region of the Central African Republic (EC CC&S)
Ecuador	Adoption of climate technologies applicable to MSMEs in the floriculture sector
Haiti	Organic waste management project, targeting women and young people in particular, using inflatable tanks. (EC CC&S)

Technology Enablers: Highlights in National Systems of Innovation cont.

Kenya	Development of a SF6 Phase-out Roadmap and Pilot Projects in Kenya (EC ICS)
Maldives	Feasibility study on green hydrogen potential in Maldives and development of a national roadmap for sustainable energy transition
Mali	Pilot project for the sustainable management of wood resources through the promotion of solar cookers and solar energy for the operation of electric cookers in a context of climate change (EC CC&S)
Papua New Guinea	Pre-feasibility study on Ocean Energy focusing on Salinity Gradient Energy Technology and Electrochemical Ocean Thermal Energy Conversion in Papua New Guinea (cRD&D)

Technology Enablers: Highlights in National Systems of Innovation cont.

Peru	Feasibility study to develop an aquaponics facility based on a semi-enclosed/protected environment as a climate change adaptation measure to be replicated in Peru (EC ICS)
Senegal	Multi-country agrivoltaic technology project in West and Central Africa (EC ICS)

For SIDS, an innovation-system approach means connecting the technology with the institutions, partnerships, capabilities and enabling frameworks needed for adoption and scale-up.

Technology Enablers: Highlights in Digitalization

Trends in requests:

- Continued interest for early warning systems (forest fires, floods, etc.)
- One request on MRV tool for emissions tracking in the cement industry
- Several expressed interests for digital energy audit tools for buildings

Country	Examples of TAs completed
Burkina Faso	Reinforcing the implementation of actions to mitigate and adapt to climate change by developing solar energy systems for off-grid agro-industrial facilities through the establishment of a "Community Solar Platform" (EC CC&S)
Burundi	Strengthening agricultural resilience in Karusi, Burundi, through low-intensity irrigation and IoT-based rainwater harvesting technologies (AFCIA II)
Chad	Rehabilitation of wells in the commune of Liwa, capital of LIWA (Lake region), using solar-powered pumps and drawing up a guide to good practice for the consumption of this water, depending on the end use (drinking water, agricultural livestock, sanitary in Chad) (EC CC&S)

Technology Enablers: Highlights in Digitalization cont.

Comoros	Pre-feasibility study of the use of photovoltaic systems on the roofs of public buildings in the Comoros, with a connection to the network, and the definition of a net metering policy
Ecuador	Implementation of improvements to the National Drought Monitor of Ecuador (MONSE) for the integration of a drought risk scenario module in Ecuador (AFCIA 1)
Guatemala	Promoting sustainable irrigation technologies: a water-energy-food (WEF) nexus perspective towards reducing climate risk from small farmers in high climate risk in the municipalities of Rabinal, and San Miguel Chicaj in the Dry Corridor of Baja Verapaz (AFCIA I)
Malaysia	Development of a Multi-Hazard Platform for forecasting local level climate extremes and physical hazards for Iskandar Malaysia (AFCIA I)

For SIDS concepts, digital solutions should be designed together with institutional ownership, data-sharing arrangements, user capacity and a clear operational use case.

4

Priority TA Topics for 2026 and beyond

Emerging TA demand in SIDS

New requests point to a shift from standalone studies toward integrated systems, finance-ready outputs and implementation-oriented TA design.

AI, data and early warning

Potential TA focus:
- AI- and observation-based climate data management platforms
- Localized early warning and disaster prevention systems
- Multi-hazard risk platforms and decision-support tools
- Data-sharing protocols between agencies
- Early action communication and user training

Integrated energy systems

Potential TA focus:
- Green hydrogen feasibility, roadmaps and investment concepts
- Ocean-energy pre-feasibility and cRD&D pathways
- Renewable-energy integration, energy storage and grid readiness
- Policy and regulatory frameworks for deployment

WEF nexus and agricultural resilience

Potential TA focus:
- Climate-resilient agriculture and agricultural data systems
- Rainwater harvesting and resilient water storage
- WEF nexus decision-support tools
- Scale-up concepts and locally viable implementation models

Circular economy, finance and innovation systems

Potential TA focus:
- Circular-economy roadmaps and pilot design
- Climate-resilient MSME and business models
- Climate-technology market and partner assessments
- National innovation systems and technopreneurship pathways

Matching TA topics with the right output

The requested output should be linked to the next decision that national stakeholders need to make.

If the country needs…	TA output could be…
Understand technology viability	Feasibility study or technology assessment
Coordinate multiple institutions	Roadmap, governance framework, stakeholder coordination plan
Prepare for piloting	Pilot design, technical specifications, implementation plan
Attract finance	Investment concept, scale-up concept note, financing strategy
Support policy change	Policy framework, regulatory analysis, standards/guidelines
Scale a local model	Business model, replication plan, partner/investor mapping

UN environment programme | CTCN
UN Climate Technology Centre & Network

UNFCCC_CTCN
UNFCCC.CTCN
Climate Technology Centre Network

CTCN Secretariat
UN City, Marmorvej 51
DK-2100 Copenhagen, Denmark
www.ctc-n.org
ctcn@un.org

Supported by:

Funded by the European Union
環境省 Ministry of the Environment
METI Ministry of Economy, Trade and Industry
外務省 Ministry of Foreign Affairs of Japan
Ministry of Foreign Affairs of Denmark
Norwegian Ministry of Foreign Affairs
Green Climate Fund
United States of America
Adaptation Fund
Canada
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
Swiss Confederation
Federal Department of Economic Affairs, Education and Research EAER
State Secretariat for Economic Affairs SECO
gef
UK Government
Ministry of Science and ICT
Federal Ministry for Economic Affairs and Energy
Government Offices of Sweden
Ministry of the Environment and Energy
Ministero dell'Ambiente e della Tutela del Territorio e del Mare
NDC Partnership
Spanish Cooperation
Federal Ministry
Republic of Austria
Climate Action, Environment, Energy, Mobility, Innovation and Technology
Ministry for Foreign Affairs of Finland
Comhshaol, Pobal agus Rialtas Áitiúil
Environment, Community and Local Government

Jeawon Kim
Capacity Building and Network Engagement Specialist, CTCN

UN environment programme | CTCN
UN Climate Technology Centre & Network

Global capacity building programmes

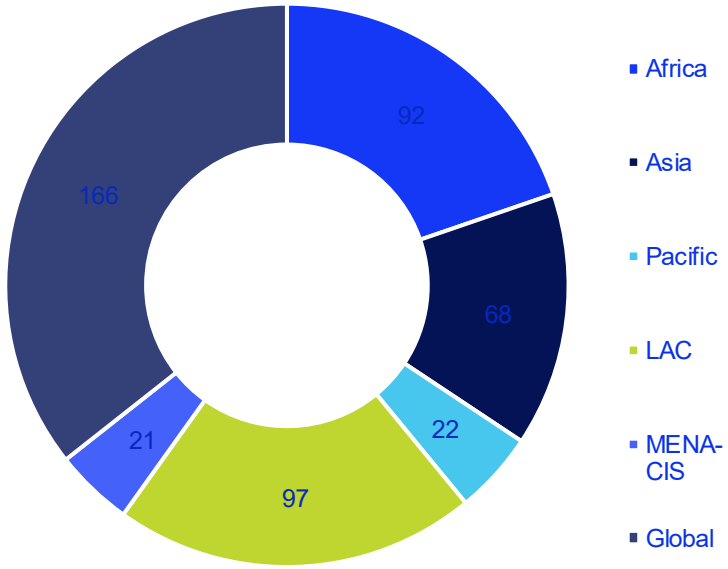
27th Advisory Board Meeting
CTCN Secretariat
Agenda item 17.2
20 April 2026

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

Total of 466 services activities

On average 3.8 per month

Benefited 4,637 individuals



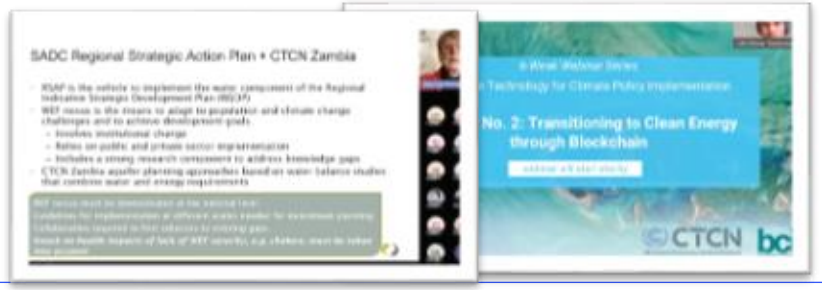
‘Knowledge Sharing’ service by Types

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)	Technical Assistance	Knowledge Sharing (KS)
Input to TA ideation at global/regional levels	**Implementation at national levels**	**Output to impact at global/regional levels**
1) Analyze developing countries' climate portfolio, global climate governance, and financing opportunities to design a capacity building programme agenda.	**4)** Interested parties in developing countries contact their NDE to request technical assistance, then step through 5 sequential processes for delivery of TA service.	**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) .
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.		

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

2014
–
2024

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) GRIFFITH UNIVERSITY

- 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

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 Daejun, July 15-17 2026, KIST, KIER, KRICT (Chemical Research Institute) and NIGT**
- **ESS (in Jeju, Sep 1-4 2026, KIER, UNITAR CIFAL Jeju)**

Publications

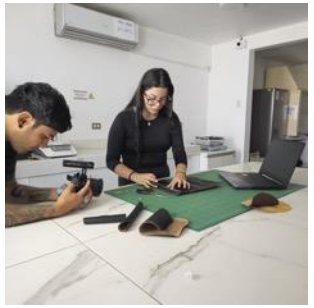
- Reflection on cRD&D facilitation activities 2023-2025
- Reflection on cRD&D TAs (2026, Q4)

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

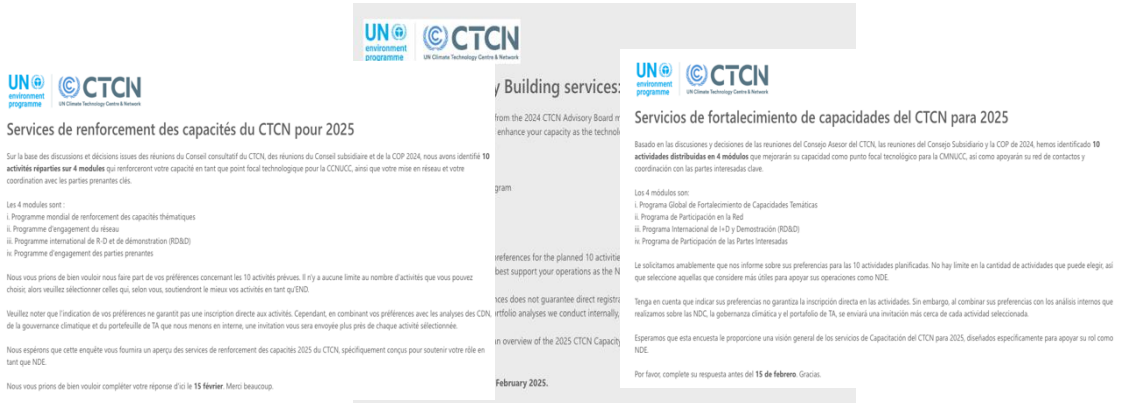
Planning and calling for NDE's preference

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



Services de renforcement des capacités du CTCN pour 2025

Sur la base des discussions et décisions issues des réunions du Conseil consultatif du CTCN, des réunions du Conseil subsidiaire et de la COP 2024, nous avons identifié **10 activités réparties sur 4 modules** qui renforceront votre capacité en tant que point focal technologique pour la CCNUCC, ainsi que votre mise en réseau et votre coordination avec les parties prenantes clés.

Les 4 modules sont :
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)
iv. Programme d'engagement des parties prenantes

Nous vous prions de bien vouloir nous faire part de vos préférences concernant les 10 activités prévues. Il n'y a aucune limite au nombre d'activités que vous pouvez choisir, alors veuillez sélectionner celles qui, selon vous, soutiendront le mieux vos activités en tant qu'END.

Veuillez noter que l'indication de vos préférences ne garantit pas une inscription directe aux activités. Cependant, en combinant vos préférences avec les analyses des CDN, de la gouvernance climatique et du portefeuille de TA que nous menons en interne, une invitation vous sera envoyée plus près de chaque activité sélectionnée.

Nous espérons que cette enquête vous fournira un aperçu des services de renforcement des capacités 2025 du CTCN, spécifiquement conçus pour soutenir votre rôle en tant que NDE.

Nous vous prions de bien vouloir compléter votre réponse d'ici le **15 février**. Merci beaucoup.

Servicios de fortalecimiento de capacidades del CTCN para 2025

Basado en las discusiones y decisiones de las reuniones del Consejo Asesor del CTCN, las reuniones del Consejo Subsidiario y la COP de 2024, hemos identificado **10 actividades distribuidas en 4 módulos** que mejorarán su capacidad como punto focal tecnológico para la CMNUCC, así como apoyarán su red de contactos y coordinación con las partes interesadas clave.

Los 4 módulos son:
i. Programa Global de Fortalecimiento de Capacidades Temáticas
ii. Programa de Participación en la Red
iii. Programa Internacional de I+D y Demostración (RD&D)
iv. Programa de Participación de las Partes Interesadas

Le solicitamos amablemente que nos informe sobre sus preferencias para las 10 actividades planificadas. No hay límite en la cantidad de actividades que puede elegir, así que seleccione aquellas que considere más útiles para apoyar sus operaciones como NDE.

Tenga en cuenta que indicar sus preferencias no garantiza la inscripción directa en las actividades. Sin embargo, al combinar sus preferencias con los análisis internos que realizamos sobre las NDC, la gobernanza climática y el portafolio de TA, se enviará una invitación más cerca de cada actividad seleccionada.

Esperamos que esta encuesta le proporcione una visión general de los servicios de Capacitación del CTCN para 2025, diseñados específicamente para apoyar su rol como NDE.

Por favor, complete su respuesta antes del **15 de febrero**. Gracias.

Tentative timeline and concept note 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

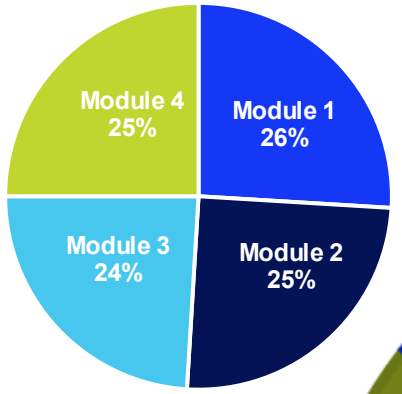
Chile, El Salvador (x2), Haïti, Paraguay, Venezuela

26
Africa

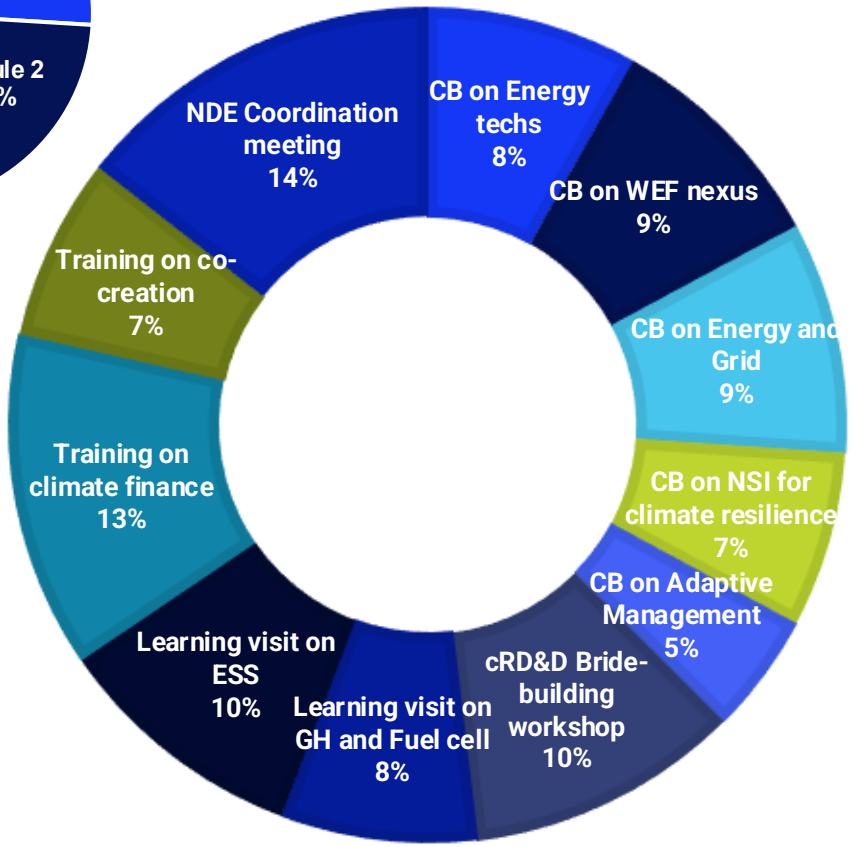
Comoros, Fiji, St. Kitts and Nevis, Marshall Islands, Mauritius, Papua New Guinea, Timor-Leste, Maldives (x2)

8
SIDS

PREFERENCE BY MODULES



PREFERENCE BY ACTIVITY



Tentative timeline and concept note

Modules	Item number in AOP26 (Allocated budget)	Activities planned for implementation	2026										
			Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Thematic Capacity Building	3.2 (50K)	Asia: Integrating Energy Technologies for System transformation						In-person					
	3.2 (25K)	LAC: Cross-Sector System Transformation at the Water-Energy-Food Nexus				In-person							
	3.2 (25K)	Africa: National Systems of Innovation for Climate Resilience and Access		In-person									
	3.2 (15K)	Pacific SIDS: System Transformation for Adaptive Management								In-person			
	3.2 (11K)	Eastern Europe: System Coordination for Energy Transition and Grid Modernisation								In-person			
	JWP 1.2.5 (0K)	Release of publication on AI4ClimateAction (Cases in Africa)										Online release	
		Knowledge sharing webinars on AI and related themes	Youth		Climate Action	Disaster Risk and Resilience				Energy			
Network Engagement	3.2 (20K)	Training on Climate Finance - Social Return on Investment					Online						
		Training on Co-create-Build-Engage Framework											
	4 (0K)	Network Fair		In-person		In-person		In-person		In-person			
	3.2(0K)	Voluntary Technology Talk: Pacific SIDS								In-person			
	4 (0K)	Network-led Publications		*Contingent on the network's requests*									
International RD&D	2.3 (60K)	Collaborative RD&D Bridge-building Workshop on Energy Storage Systems								In-person			
	2.3 (40K)	Learning Visits for green hydrogen production and fuel cell				In-person							
Stakeholder Engagement	2.2 (550K)	Regional NDE Forum		Africa		LAC		Asia		Pacific SIDS & Eastern Europe			
	2.2 (100K)	GCF Structured Dialogue / NDE-NDA meeting			Central Asia	*TBD*		Asia, In-person		*TBD: Contingent on the GCF's Regional Structured Dialogue Dates*			

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

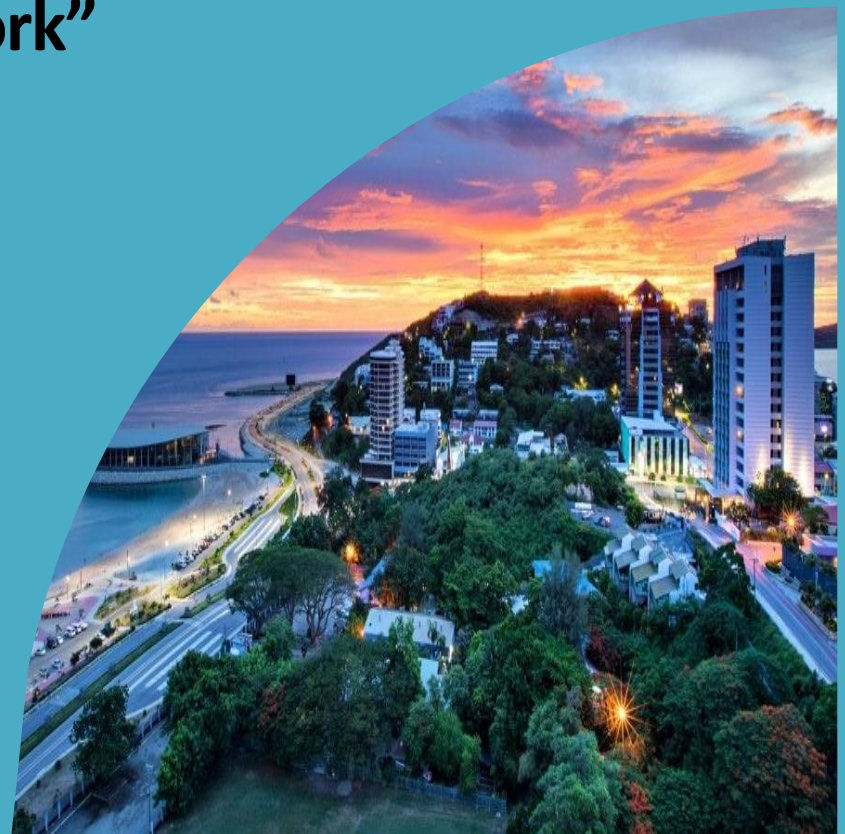
To read, scan QR

Emily Mulina-Pomoh
REDD+ & Mitigation Division, Climate Change and Development Authority, PNG

SMALL ISLAND DEVELOPING STATES PROGRAMME 2026

Papua New Guinea's Reflection on online course:

"Social Return on Investment (SROI) And Co-Create–Build–Engage (CBE) Framework"



Presented by:

Mrs. Emily Mulina- Pomoh

14th September 2026

Why I Am Sharing This Experience

1. Prepare

Give you a realistic picture of what to expect from a seven-week online learning journey.

2. Reflect

Share the ideas that stood out to me around social impact, SROI and CBE.

3. Encourage

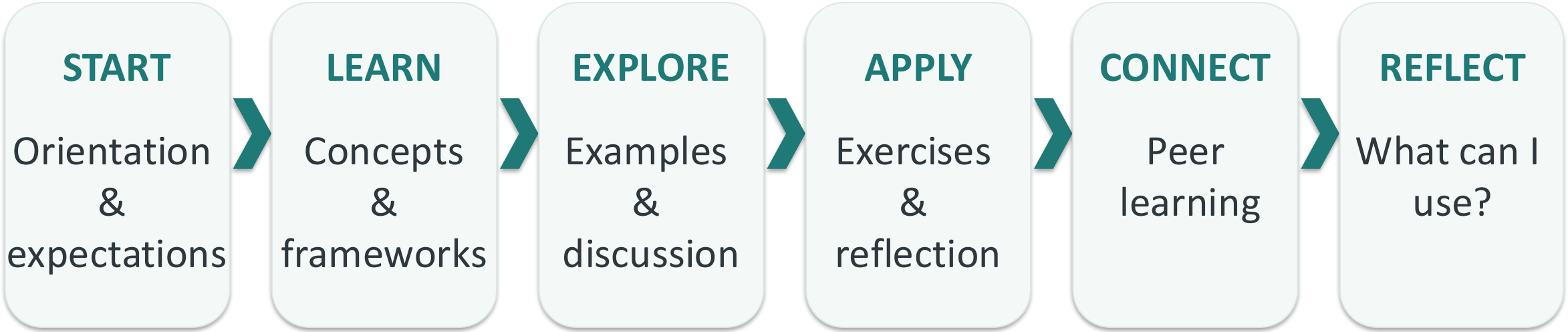
Show how the learning can be connected to practical work and development challenges.

“The aim is not to repeat the course content — it is to share what I learned, what challenged me, and how I would approach the course differently next time.”

Before I Started: My Expectations

Learn whatever the course would teach about SRoI and CBE.

What the Learning Journey Looked Like



Course duration gave "enough" time to move from understanding concepts to asking: "How can I use this in my own context?"

My Learning Journey: From Concepts to Application

At the beginning

I was mainly focused on understanding the terminology and frameworks (SRoI & CBE).

As the course progressed

The focus shifted from “What is it?” to “How do I apply it?”

The turning point

Thinking about beneficiaries, stakeholders and the change they experience made the concepts more practical.

By the end

I could see SROI and CBE less as standalone concepts and more as approaches that can strengthen project design and learning.

Core reflection

Good social-impact practice asks not only “What did we deliver?” but also “What changed for people, and how do we know?”

What I Learned About SROI

SROI is a way of understanding and communicating the social, environmental and economic value created by an intervention.

It encourages us to start with stakeholders and the changes that matter to them.

It combines qualitative evidence with quantitative evidence and, where appropriate, financial proxies.

It is not simply a calculation: the process of identifying outcomes, evidence, assumptions and stakeholder perspectives is itself valuable.

The result should support better decisions, learning and accountability — not just produce a ratio.

INPUTS	ACTIVITIES	OUTPUTS	OUTCOMES	IMPACT "VALUE"
Resources invested	What we do	What is delivered	What changes	What that change is worth

The important shift is from measuring activity to understanding value and change.

One of My Biggest Takeaways: Start With Stakeholders

WHO?

Who experiences the change? Beneficiaries, communities, staff, partners, funders and other affected groups.

WHAT CHANGES?

What matters to them? What positive or negative changes occur?

HOW DO WE KNOW?

What evidence can demonstrate the change? Whose voice is included?

This challenged me to think beyond organizational success and look at success from the perspective of the people affected.

What I Took From Co-Create–Build–Engage (CBE)

CO-CREATE

Bring people into problem definition, ideas and solution design. Value lived experience.

BUILD

Turn shared ideas into practical solutions, capacities, tools, partnerships or prototypes.

ENGAGE

Maintain meaningful participation, feedback, ownership and communication throughout implementation.

CBE helped me see participation as a continuous process — not a one-off consultation at the beginning.

Why SROI and CBE Work Well Together

CBE helps us ask

"Who should shape this solution, and how do we keep them involved?"

SROI helps us ask

"What changed for those stakeholders, what evidence shows it, and what value did the change create?"

Together

Co-create → build → engage → observe outcomes → gather evidence → learn → improve → demonstrate value

The common thread is people-centred, evidence-informed decision-making.

The Contact Classes: 29 May & 5 June 2026

29 MAY 2026

The contact class provided an opportunity to move beyond self-paced online learning and interact directly with facilitators and peers.

My advice: arrive prepared, participate and capture questions as they arise.

5 JUNE 2026

The second contact class reinforced the value of discussion, reflection and connecting the concepts to practical situations.

My advice: use the contact class to test your understanding rather than simply listen.

Online learning becomes much richer when you treat the live sessions as opportunities to ask, share, challenge and connect.

What I Found Most Valuable

Learning a language for discussing value beyond financial returns.

Thinking about beneficiaries and stakeholders as active sources of knowledge.

Seeing how evidence, assumptions and stakeholder perspectives can strengthen project decisions.

Connecting participatory approaches with monitoring, evaluation, learning and impact reporting.

Learning alongside people with different experiences and development contexts.

Challenges I Would Prepare For

TIME

Seven weeks requires consistency. Online learning can easily be pushed behind normal work.

CONCEPTS

SROI terminology and the logic behind valuation can initially feel unfamiliar.

PARTICIPATION

It is easier to remain a passive learner online. You need to deliberately contribute.

INTERNET CONNECTIVITY

Power blackouts are a frequent occurrence hence patience is all that needs to be exercised.

MY RESPONSE

Schedule learning time, read before sessions, keep notes, ask questions and connect the concepts to real work.

IMPORTANT MINDSET

You do not need to understand everything immediately. Use the seven weeks to progressively build your understanding.

What I Would Do Differently Next Time

Instead of…	I would…
Reading only when required	Read ahead and identify questions.
Focusing only on completion	Focus on what can be applied.
Keeping notes only for the course	Build a reusable toolkit for work.
Listening more than contributing	Share examples and ask questions.
Thinking only about outputs	Look for outcomes and changes.

My Top 5 Tips for New Participants

01 Participate

Your questions and examples add value.

02 Manage your time

Protect regular time for the seven-week journey.

03 Learn from peers

Different country and sector experiences are a major asset.

04 Apply the concepts

Test SROI and CBE thinking against a real project.

05 Keep your toolkit

Save frameworks, notes, examples and reflections for future work.

How to Get the Most From the Course

BEFORE

- Read the required material
- Review previous learning
- Prepare questions
- Identify a real project or problem you can use as an example

DURING

- Participate in discussions
- Ask for clarification
- Compare approaches
- Capture useful ideas from peers
- Relate theory to your context

AFTER

- Write a short reflection
- Identify one application
- Save useful resources
- Discuss learning with colleagues
- Consider what evidence you would need to show change

How I See the Application to Climate & Development Work

Design projects around the people who experience the problem — not only around institutional/country outputs.

Use CBE to strengthen participation, ownership and feedback throughout the project cycle.

Use SROI thinking to clarify intended outcomes and the evidence needed to demonstrate change.

Strengthen monitoring and evaluation by asking what changed, for whom, by how much and why.

Communicate project value in a way that can speak to communities, decision-makers, funders and partners.

My Three Biggest Takeaways

I LEARNED…

Impact is about meaningful change, not simply the number of activities completed.

I REALISED…

Stakeholders should be central to understanding both the problem and the value created by a solution.

I WILL APPLY…

CBE and SROI thinking can strengthen project design, engagement, evidence and learning.

FINAL MESSAGE

Participate
Connect
Learn
Apply
Share

The value of the course is not what you learn during the duration of the course – it is what you take back and use.

PNG - Idea Note (developed during the duration of the class)
CTCN – Idea Note into TA form pending PNG's NDE approval

감사합니다

gamsahabnida!

Tenkiu tru!

Q&A

UN environment programme | CTCN UN Climate Technology Centre & Network

Session 4

Updates from Financing entities – Adaptation Fund

Nadege Trocellier
Global Adaptation Lead, CTCN

ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

UN environment programme

CTCN
UN Climate Technology Centre & Network

Adaptation Fund Climate Innovation Accelerator

INNOVATE. ADAPT. SCALE.

Nadège Trocellier
Climate Adaptation Lead, UN CTCN

Monday 14 September 2026

Session Plan

Welcome!

1. **What is AFCIA?**
2. **AFCIA in Asia**
3. **Call for Proposals**
4. **Inspiring Solutions**
5. **Four Pillars of Excellent Applications**
6. **Community of Innovation**
7. **Other AFCIA Programmes**

What is AFCIA?

Adaptation Fund Climate Innovation Accelerator

Providing grants and technical assistance to innovative adaptation solutions.

- Developing countries only
- Funded by:

ADAPTATION FUND

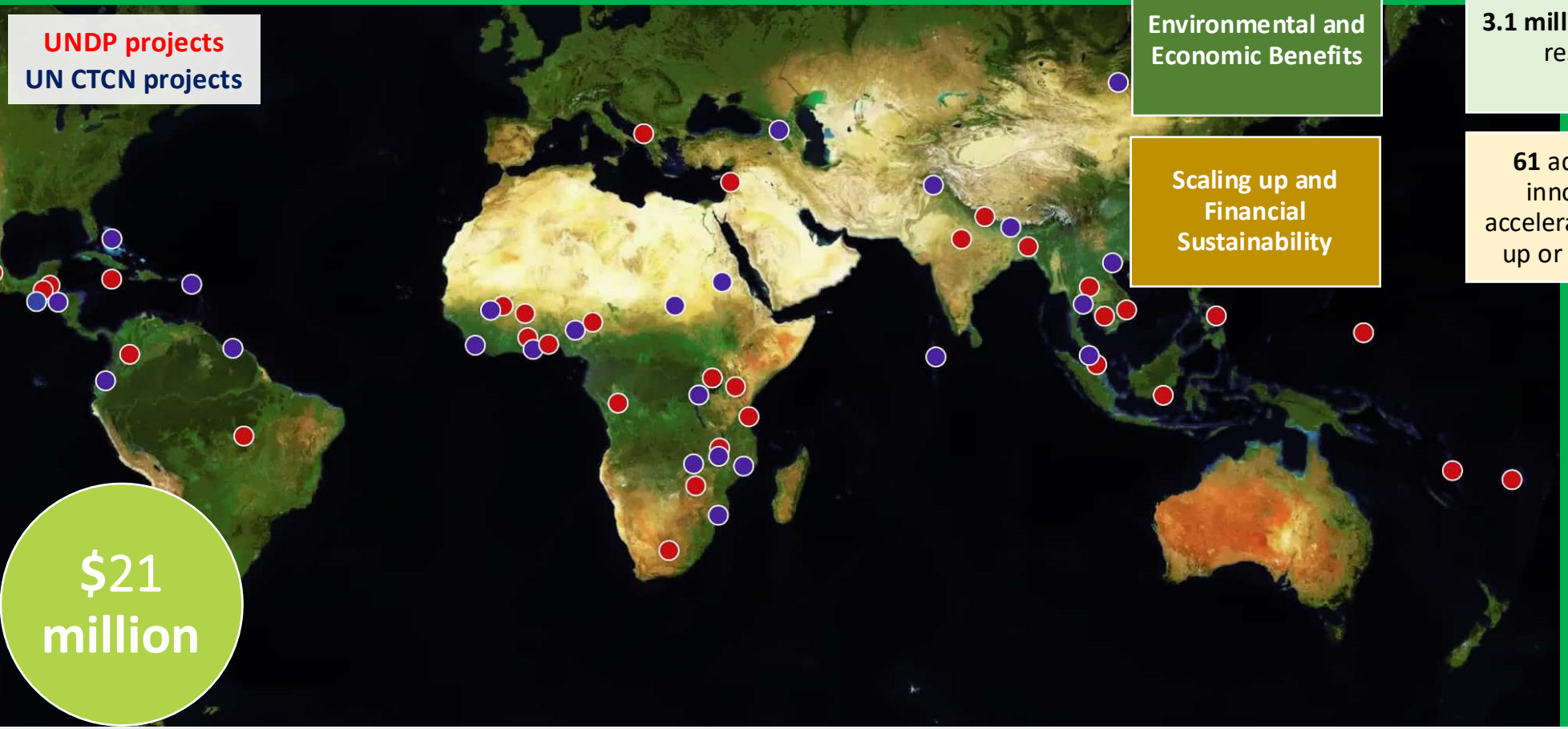
ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

Types of innovation:

AFCIA's First Phase

From 2020-2024, UNDP and UN CTCN's programmes achieved:

Community Reach and Impact	**4.9 million** individuals reached	**69** projects
Innovation	**27** new solutions tested	**10** enabling environment strengthened
Environmental and Economic Benefits	**3.1 million** hectares restored	**1,300+** green jobs created
Scaling up and Financial Sustainability	**61** adaptation innovations accelerated, scaled up or replicated	**$21+ million** unlocked for scaling initiatives



$21 million

UN environment programme | CTCN UN Climate Technology Centre & Network

UNDP

ADAPTATION FUND Climate Innovation Accelerator SMALL GRANTS. BIG IMPACT.

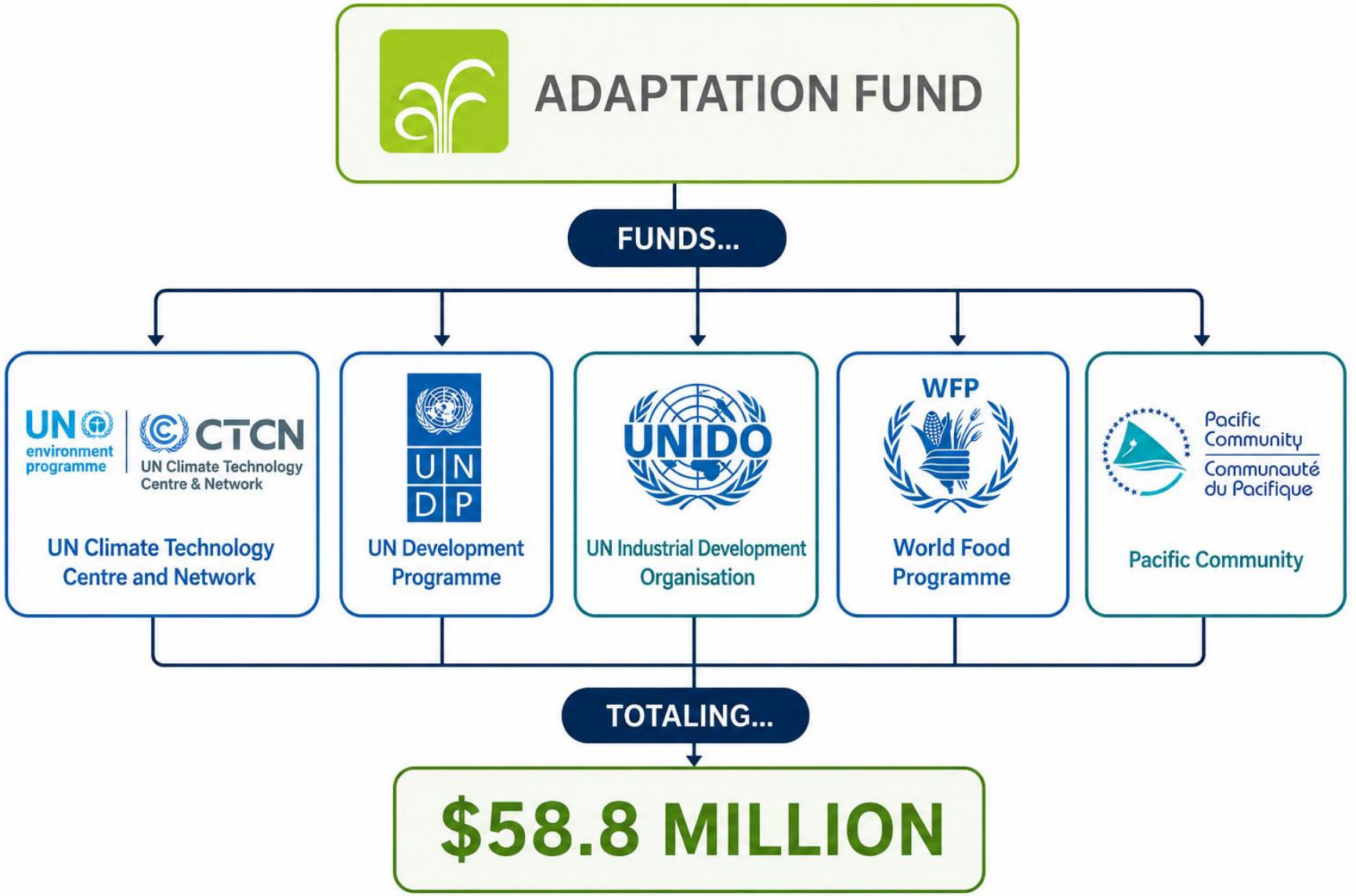
Impact Reports

Phase I

Phase II Expansion

ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

UN environment programme | CTCN UN Climate Technology Centre & Network



Subprogrammes

AFCIA Phase II
UN CTCN Subprogramme

Key Figures:

- Total projects: **60**
- Projects selected: **9**
- Total budget: **$10 million**
- Grant sizes: **$80k-$320k**
- Timeline: **2025-2030**

AFCIA Phase II

US$10 million to provide **60 technical assistance** packages through **3 components:**

Scale up the 10 most successful technologies from component 1

Anchor 10 technologies in National Systems of Innovation

MONGOLIA

Combining Ecosystem-based Adaptation and Digital Crop Insurance

ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

Innovation type: Radical

USD 197,000
Funding received

Approx. 150,000
Smallholder farmers benefiting

Climate impacts addressed

Drought and water security

High temperatures & heatwaves

Extreme cold

FIJI

Deploying Climate-resilient Agriculture through National Policies for Farmers

ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

Innovation type: Systemic

USD 195,000
Funding received

5,000+
Direct and indirect beneficiaries

Climate impacts addressed

Erratic rainfall

Sea level rise

CAMBODIA

Upgrading Decision-support Systems for Transboundary Flood Management for River Basin Planners

ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

Innovation type: Incremental

USD 199,000
Funding received

35
Technical trainees planned

Climate impacts addressed

Drought and water security

Erratic rainfall

Floods

TAJIKISTAN

Piloting AI-based Climate Data Management and Quality Control for Hydromet Services

Innovation type: Incremental

USD 172,200
Indicative budget (maximum)

Not quantified
Number of beneficiaries

Climate impacts addressed

- Drought and water security
- Increasing temperatures
- Floods
- Glacial retreat

Call for Proposals

Asia Pacific

7 October 2026

Application deadline

10

Number of Technical Assistance available

USD 150,000

Technical Assistance budget (max)

Piloting

Project type

Application Process

1. Read the **selection criteria** and **guiding questions**
2. Complete the **application template**
3. Send to **ctcn@un.org** by 7 October
4. Later stage: Obtain **NDE signature**

ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

UN environment programme | CTCN
UN Climate Technology Centre & Network

Call for Proposals: Asia Pacific

Download the application instructions

INNOVATE. ADAPT. SCALE.

Four Pillars to a High-quality Application

1.
Adaptation

E.g.,
Maldives

2.
Innovation

E.g.,
Burundi

3.
Financial Sustainability

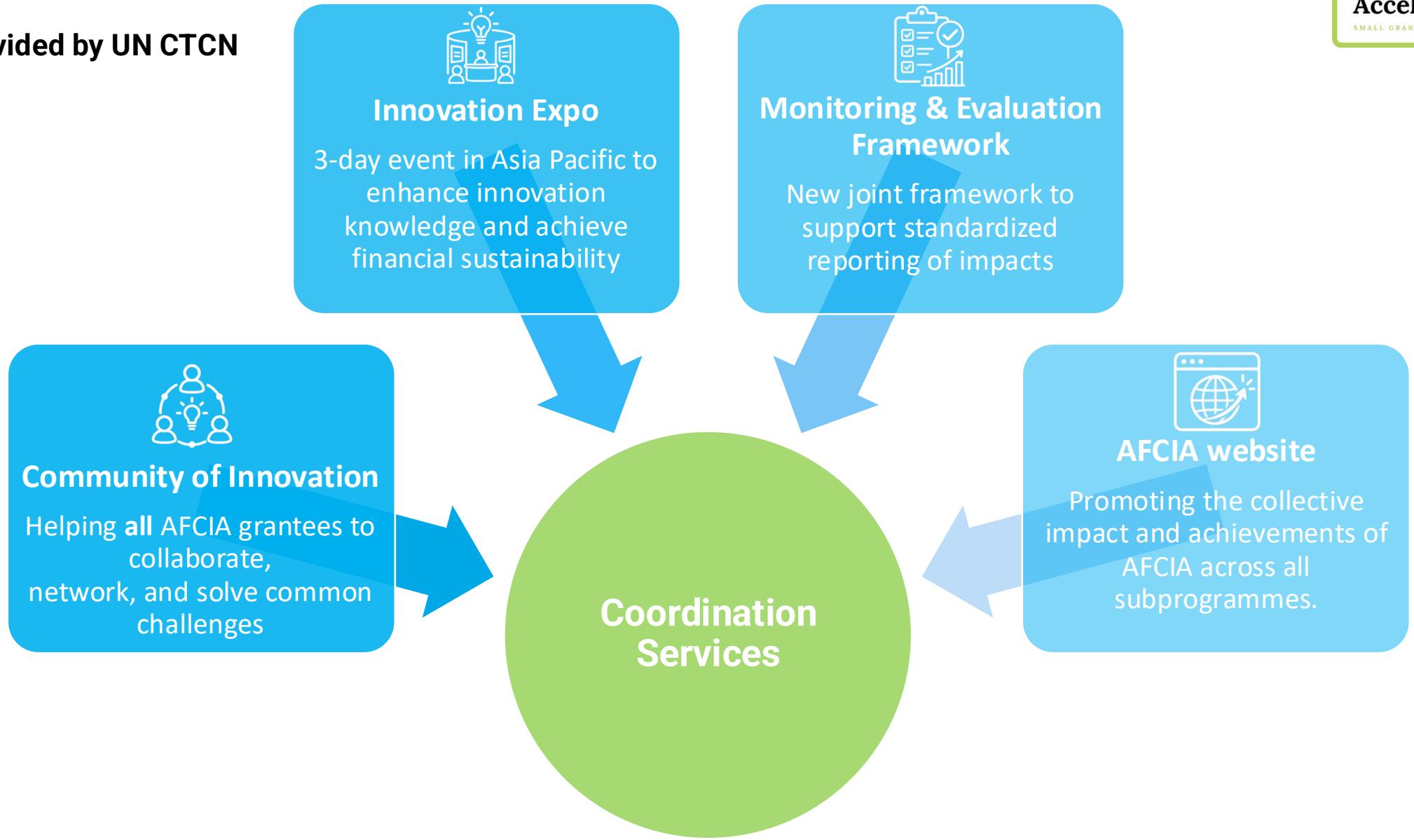
E.g.,
Mongolia

4.
National Systems of Innovation

E.g.,
Saint Kitts and Nevis

AFCIA Coordination Services

Provided by UN CTCN



AFCIA Community of Innovation

LEARNING. COORDINATION. SCALING.

ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

From isolated projects to a connected community…

SHARED LESSONS
Learn from each other

JOINT PROBLEM-SOLVING
Solve challenges together

VISIBILITY
Showcase and amplify impact

INVESTMENT
Connect with investors

SCALING
Access opportunities to grow

AFCIA Innovation Summit

Updates & Progress

Venue: Bangkok, Thailand (tbc)

When: Q3 of 2027

Who: 60 reps from AFCIA projects + around 15 colleagues from IEs

Format: 3-day interactive summit and expo, featuring:

Day 1: Enhancing innovation knowledge

Day 2: Achieving financial sustainability

Day 3: Designing the Regional Innovation Hub

ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

Other AFCIA Programmes

Phase II

Budget:
$15 million

Timeline:
5 years (*if approved*)

Target audience:
Non-profit entities and micro, small and medium enterprises

Budget:
$10 million

Timeline:
5 years

Target audience:
Small- and Medium-sized Enterprise

Budget:
$10 million

Timeline:
5 years

Target audience:
Addressing climate impacts across the food systems and value change

Budget:
$5 million

Timeline:
5 years

Target audience:
Adaptation innovators in the Pacific region

World Food Programme

Budget:
$10 million

Timeline:
5 years

Target audience:
Addressing climate impacts across the food systems and value change.

Status:
Recently finished call for proposals in the LAC region

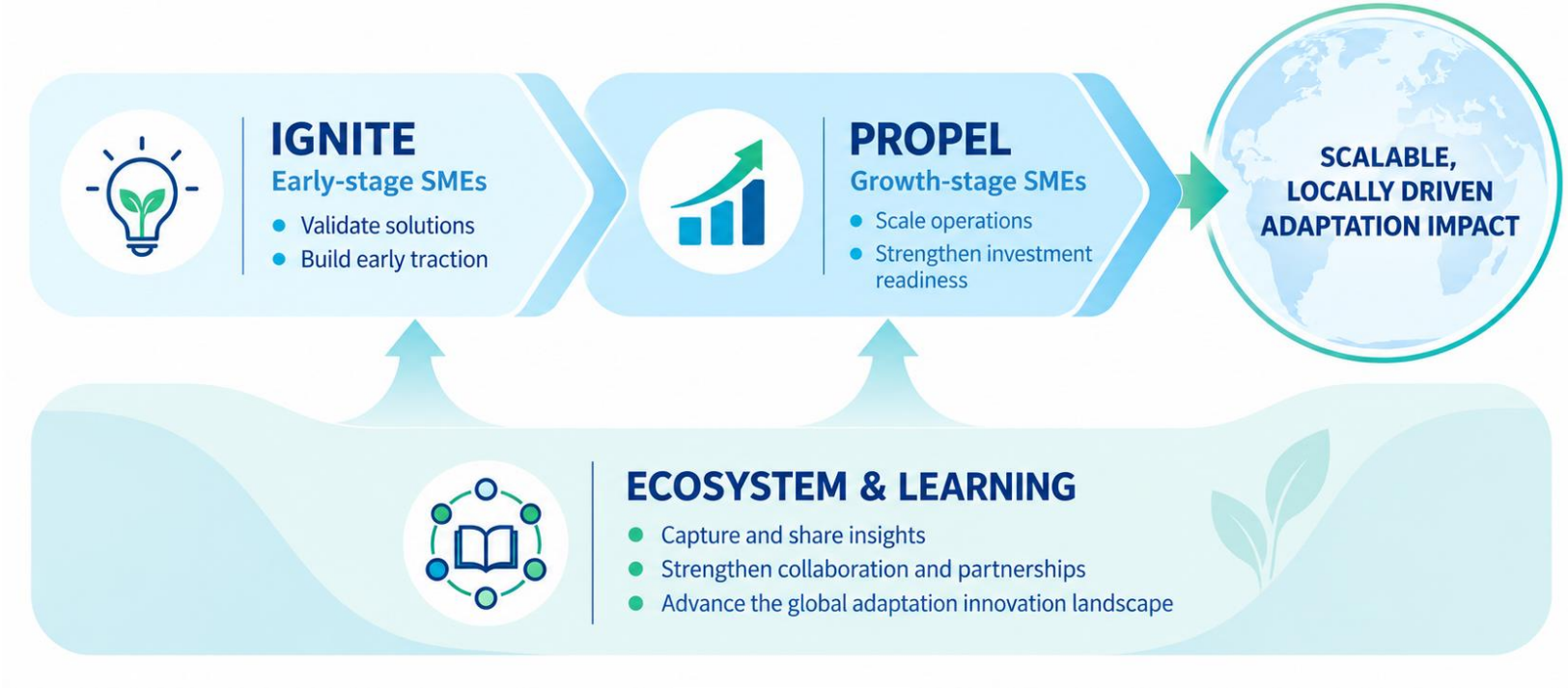
UN Industrial Development Organisation

Budget:
$10 million

Timeline:
5 years

Target audience:
Small- and Medium-sized Enterprise

Status:
Recently finished *Ignite* call for proposals for Africa. Soon launching *Propel* in September.



UN Development Programme

Budget (Phase I):
$16 million ($5m AF + $11m EU)

Budget (Phase II):
$15 million

Timeline:
Phase I: 2020-2026
Phase II: Starting early 2027 (*if approved*)

Target audience: Non-profit entities and micro, small and medium enterprises (MSMEs)

Status:
Phase II Proposal submitted to Adaptation Fund, pending Board decision in October

Thank you

Nadège Trocellier
Climate Adaptation Lead, UN CTCN
nadege.trocellier@un.org

www.ctc-n.org

Pierre-Yves Charpentier
Programme Manager, SPC

Pacific Community
Communauté du Pacifique

SPC's Climate Innovation Co:Lab

An Adaptation Fund Climate Innovation Accelerator (AFCIA) programme

CTCN SIDS Forum
15 September 2026

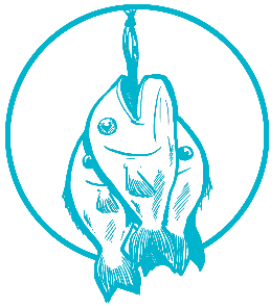
Pacific Community
Communauté du Pacifique

SPC is the is the principal scientific and technical international development organisation governing and supporting the sustainable development of 27 member countries and territories in the Pacific region.

Pierre-Yves (PY) Charpentier,
Innovation & Design Adviser
and the Co:Lab Project Manager
pierreyvesc@spc.int

Our SPC values

Our Pacific values guide us - respect, solidarity and mutuality - in navigating towards our collective well-being and prosperity. Voyaging together as we serve our Blue Pacific, we embrace:

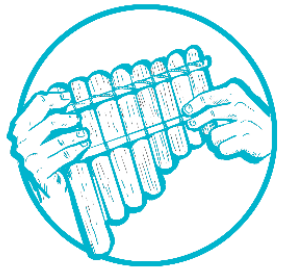


Enginkehlap | Generosity

We provide for each other. We work together towards our shared mission valuing all contributions.

Kanakaanga | Stewardship

We are the stewards of our Blue Pacific. Our history, knowledge and science hold the solutions for contemporary challenges.



Gida Gaituvwa | Unity

We progress together. Leaving no one behind, we harness the richness of our history and culture across the region.

Aroha | Care

We care for each other. The well-being of our environment is the well-being of our people.

These values are SPC's navigational markers, steering us as an organisation that transforms and adapts to our region's realities in serving our members' evolving needs and priorities.

Pacific Community
Communauté du Pacifique

What Is Co:Lab?

- Part of AFCIA, it is regional climate innovation accelerator for the Pacific
- **Objective**: to incubate, catalyse, de-risk, and scale locally led climate adaptation innovations across PSIDS
- Operating through a structured *Incubation → Acceleration → Amplification* pathway
- Provides flexible small grants + technical assistance + scale-up support + investment matchmaking

Background Adaptation Fund AFCIA

ADAPTATION FUND
Climate Innovation Accelerator
SMALL GRANTS. BIG IMPACT.

- Launched in November 2019
- Aims to foster innovation in climate change adaptation in developing countries
- Broad range of potential finance recipients, including governments, non-governmental organizations, community groups, entrepreneurs, young innovators and other groups
- Now implemented by UNEP-CTCN, UNDP, UNIDO, WFP and SPC

Pacific Community
Communauté du Pacifique

Geographic Focus

14 SIDS in the Pacific:

- Cook Islands
- Fiji
- Kiribati
- Marshall Islands
- Federated States of Micronesia
- Nauru
- Niue
- Palau
- Papua New Guinea
- Samoa
- Solomon Islands
- Tonga
- Tuvalu
- Vanuatu

Target beneficiaries

Direct beneficiaries: 900 people (50% women)
Indirect beneficiaries: 2,700 (50% women)
Indigenous communities; small businesses; CSOs; government services

Co:Lab Programme Structure

Incubation

- Incubation of innovative projects
- Average US$50,000
- Open calls

Acceleration

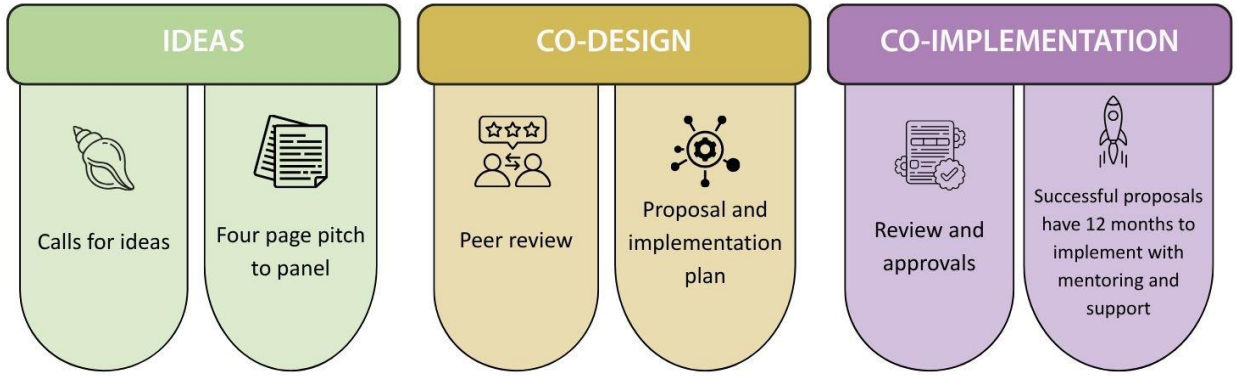
- Scale-up funding for high-performing projects
- Max of US$200,000
- Capacity strengthening

Amplification

- Investment matchmaking
- Knowledge management

Component 1: Incubation

- Identification and incubation of innovative practices for climate adaptation
- Launch of EOI (call for ideas) using a short pitch form
- Screening and selection using pre-agreed criteria
- Co-design process (about 3 months) with hands-on support for short-listed pitches
- Up to 4 calls and cohorts in 5 years
- About 12 months for implementation
- Analytical review of each cohort



Component 2: Acceleration

- Helpdesk for support to project managers, NIEs and collect adaptation innovations from countries, even between calls
- Targeted technical support to move from early-stage to acceleration
- Clinics on adaptation innovation, either online or in-country
- Selection of promising incubation projects and upgrade to the acceleration phase (no competitive calls for acceleration)
- 3 cohorts over 5 years
- 10 to 18 month for implementation
- Regional workshop on climate innovation and finance (year 3)

Component 3: Amplification

- Climate innovation matchmaking labs
- Knowledge products and management:
  - Factsheets for each project
  - Policy briefs and impact stories
  - Analytical reports on incubation cohorts
- Peer-to-peer learning exchanges
- AFCIA community of practice, website and communication channels

Co:Lab – Co:Laboration, Co:Design & Co:Implementation

- Main delivery mechanism: **co-implementation** of adaptation innovation initiatives with technical services of PSIDS (14 countries) with SPC divisions

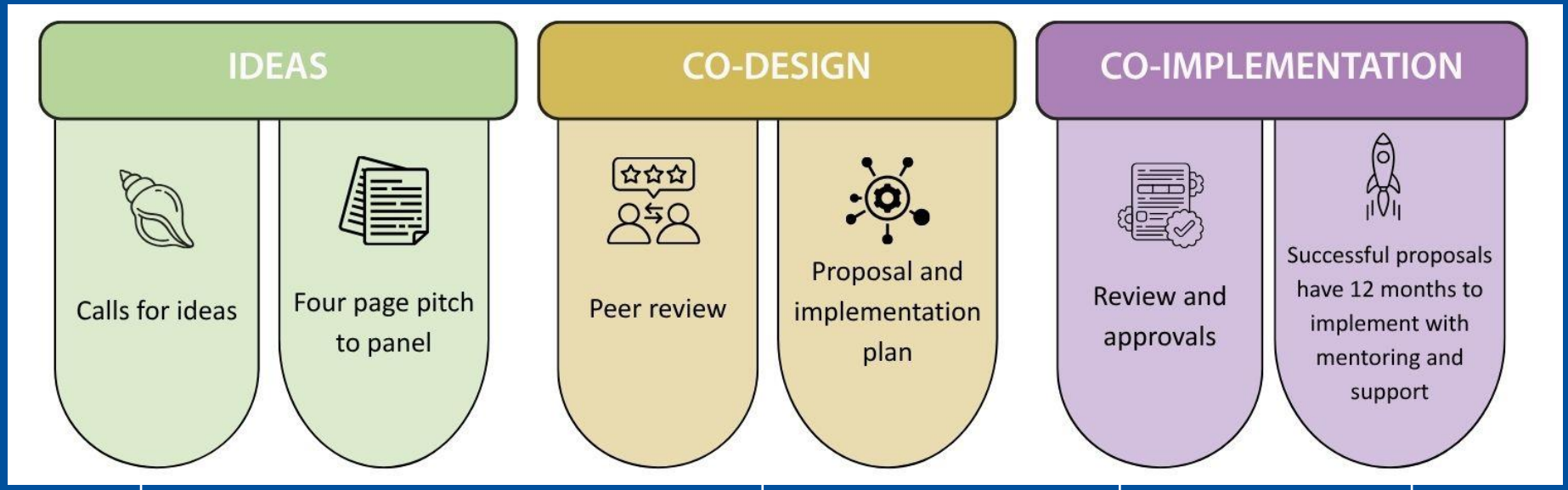
  1. Call for pitches
  2. Co-design between SPC teams and member's technical services
  3. Letter of Endorsement from Designated Authorities
  4. Co-implementation between SPC and technical services of member countries

- Over the course of the implementation of Co:Lab, external calls for pitches will be issued encouraging the submission of pitches by a broad range of actors

Selection Criteria

Climate rationale	Responds to clear adaptation or resilience challenge and links to potential loss and damage. Clearly identifies a specific impact caused by climate change and demonstrates how it will address that impact.
Alignment to National Priorities	Linked to national priorities or policies (NDCs, NAPs, national policies) or responds to a clear request from a member country.
Innovation	Demonstrates a new or improved approach to Pacific challenges – whether created from within Pacific communities and knowledge systems, adapted from elsewhere to work in Pacific contexts, or drawn from traditional practices and local resources applied in new ways. (Not business-as-usual)
Feasibility	Can be delivered within 12 months with clear activities and "shovel readiness", demonstrating the ability to begin implementation quickly and effectively.
Local ownership	Existing ability to co-design and co-implement with country partners with adequate implementation capacity.
Inclusion	Promotes gender equality, youth and social inclusion by supporting young and emerging Pacific professionals, and/or promoting gender equality, women's leadership and social inclusion.
Replicability	Shows potential to expand, be replicated in other Pacific contexts, or attract further funding.
Good value for money	Activities and budget are realistic and have the potential to deliver the best possible results for the resources invested.

Role of Designated Authorities



Countries may share climate adaptation TA ideas through the Helpdesk

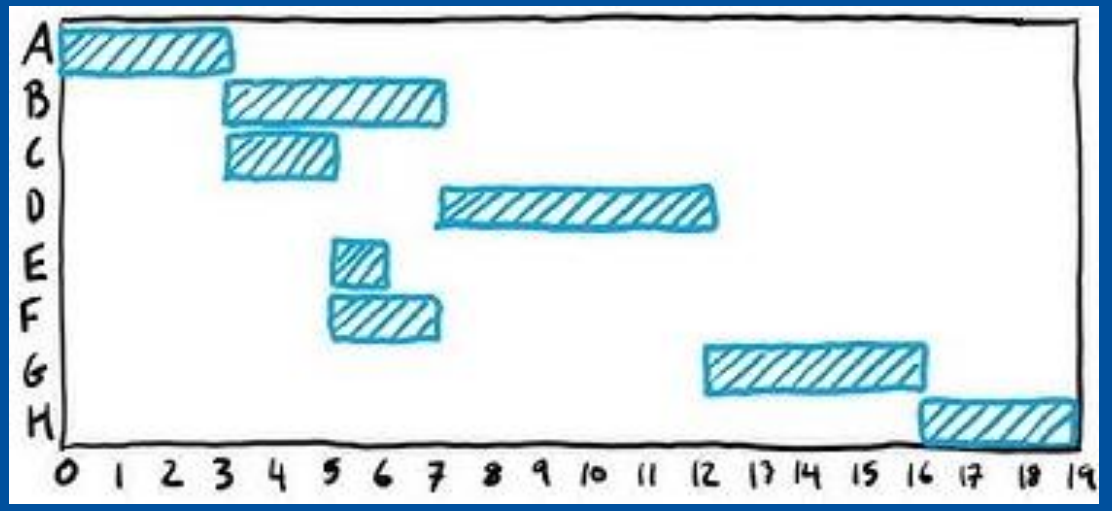
SPC to inform DAs on pre-selected pitches in their country to discuss endorsement process and timeline

DAs to issue a letter of endorsement for Co:Lab

Co-Implementation with relevant technical line-ministry

Work Plan Year 1

- June 2026: first call for project pitches
- July-Oct 2026: Co-Design process
- Oct 2026: Implementation of the first cohort of incubation project
- Sept-Oct 2026: Helpdesk set-up with SPC-Climate Change and Sustainability Division
- Sept 2027: 2nd Incubation Call, 1st Amplification cohort



Work Plan 5 years

- Up to 4 Incubation project cohorts
- 3 Acceleration project cohorts
- Regional workshop on climate innovation and finance in 2029
- Annual Matchmaking Labs from Y3
- At least 2 Peer-to-peer learning exchanges for country-to-country cooperation
- Policy briefs, impact stories, innovations promoted in sectoral meetings

End of project:
May 2031

Next Steps

- First Co:Lab project cohort co-design process (7 initiatives in 9 Pacific Island Countries – Naoreo, Federated States of Micronesia, Cook Islands, Vanuatu, Kiribati, Fiji, Tuvalu, Samoa, Marshal Islands) – until October 2026
- Approvals by DAs and announcement of the first Co:Lab cohort – October 2026
- Helpdesk setup (with Climate Change and Sustainability Division) – Sept-October 2026

Pacific Community
Communauté du Pacifique

Q&A

Pacific Community
Communauté du Pacifique

Thank you!

Consultation on AFICA programme phase 2, call for proposal (16:15~17:00)