

Update on CTCN activities in 2025

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CTCN Director
26th Advisory Board Meeting

Reporting period (JAR 2025) Oct 24 – Sept 2025



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Technical Assistance

Highlights – TA impacts

- A GEF8 project of USD 9,1 million was approved in December 2024 for Zimbabwe to develop electric mobility and public transport, building on result of CTCN technical assistance in 2022
- Following completion of CTCN TA, the Ministry of Transport adopted the EV Policy Framework for Tanzania. Initial funding of USD 105,000 was secured for the implementation of the framework. Discussion ongoing on a \$5.45 million concept note for an e-mobility bus depot in Dodoma
- Kenya/KCB PPF project: CTCN signed an MoU with KCB and the full project proposal was submitted to GCF for consideration on 1 September 2025
- Uganda Min Water and Environment proposal: a GCF project proposal which will implement some of Uganda's TNA outcomes and TAPs. Concept note was submitted to GCF on 11 September 2025.



Technical Assistance Progress

29

Technical assistance requests received from 26 different countries

40

Technical assistances being implemented

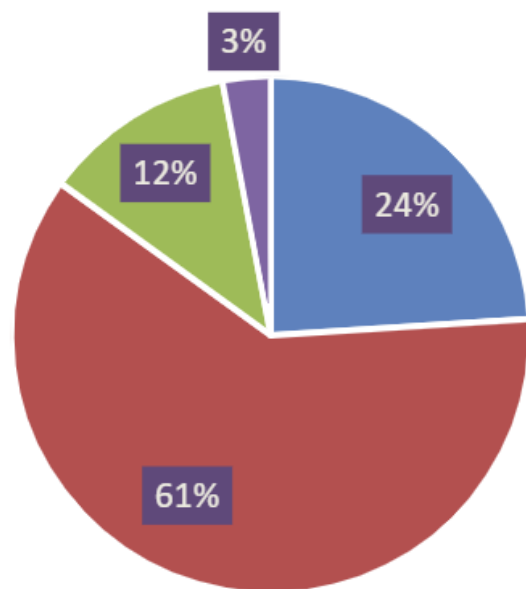
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32 Technical assistances and 1 TNA were completed

Technical Assistance Current Portfolio: Closed

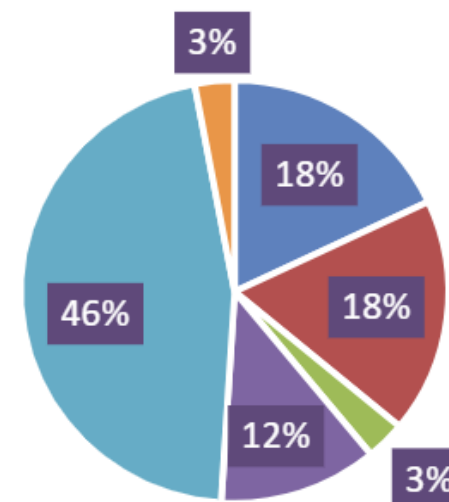
32 Technical Assistances and one TNA in 27 countries were completed

Per Region



■ LAC ■ Africa ■ Asia and the Pacific ■ EE

By System Transformation Area



■ Buildings and Infrastructure ■ Business and Industry
■ Sustainable Mobility ■ Energy Systems
■ WEF ■ TNA

Technical Assistance Highlights in Buildings & Infrastructure

Trends in requests:

- Sustainable building materials
- Development of green building standards

Country	Examples of TAs completed during reporting period
Colombia	Sustainable Cuerval: Strategies for conservation, restoration and monitoring of the mangrove areas of the Cuerval for adaptation and mitigation with a focus on the integration of peace in climate action in Colombia (ECC&S)
Ghana	Development of Green Building Guidelines and Standards for Ghana
Georgia	Building up integrated monitoring and early warning forest fires detection system in the Borjomi - Kharagauli National Park by innovative remote sensing tools (AFCIA I)
Mali	Data-driven approach in flood mitigation: developing real-time mapping of floods in Mali (AFCIA I)
South Africa	Tree Monitoring for climate adaptation in the city of Mbombela (Pro-bono K)
Zimbabwe*	Development of Green Building Standards for Zimbabwe

Technical Assistance Highlights in Business and Industry

Trends in requests:

- Strong focus on circular economy and finance for MSMEs
- Increased attention to enabling frameworks

Country	Examples of TAs completed
Chile	Multi-country Circular Economy Finance for MSMEs
Costa Rica	Multi-country Circular Economy Finance for MSMEs
Dominican Republic	Multi-country Circular Economy Finance for MSMEs
Uganda	Strengthening Waste Management Policymaking in Uganda in Response to Climate Change (Pro-bono K)
Uruguay	Multi-country Circular Economy Finance for MSMEs
Zambia*	Development of a framework and roadmap for a National Innovation System to foster low-carbon and climate resilient economic development in Zambia

Technical Assistance Highlights in Energy Systems

Trends in requests:

- Decentralized renewable energy (small biogas, solar PV, etc.)
- Net metering policies for RE integration

Country	Examples of TAs completed
Lebanon*	Development and implementation of an efficient appliance strategy
Nigeria*	Developing an Institutional Framework for the Energy Efficiency Act and Regulations targeting energy intensive sectors (household and industries) in Nigeria
Tanzania	Feasibility Study of Optimal Design Conditions for Biogas Plant for the Improvement of CH ₄ Capture Efficiency (Pro-bono K)
Timor Leste	Formulating a National Electricity Grid Code and Development of a Net Metering Policy in Timor-Leste

Technical Assistance Highlights in Sustainable Mobility

Trends in requests:

- Infrastructure development for non-motorized transport (cycling, pedestrian, etc.)
- Development of public transport systems
- Alternative and low-carbon fuels (updated fuel standards, e-mobility, etc.)

Country	Examples of TAs completed
Tanzania	Developing a national framework for deploying and scaling up E-Mobility in Tanzania

Technical Assistance Highlights in WEF

Country	Examples of TAs completed since October 2024
Bahamas	Developing a national framework for the standardization of stalls and procedures for a climate smart street side vendor in the Bahamas (AFCIA I)
Cameroon	Local climate resilience through synecoculture, a high-yield agricultural technique in the northern region of Cameroon (mainly in the commune of Garoua 2 and in Figuil (Mayo-Louti) (EC C&S)
Jamaica	Enhancing multi-scalar mapping and research on food security risk due to the impacts of climate change on rural and urban environments
Malawi	Using simple mobile technologies to scale up digital collection & processing of climate observations for adaptation actions in Malawi (AFCIA I)
Maldives*	Establishment of a skimming well gallery system for agricultural use in HDh.Nolhivaranfaru of Maldives (AFCIA I)
Mozambique	Implementation of Water-Food-Energy nexus using digital technologies for local communities in Mozambique
Nigeria	Empowering communities of Kaduna State, located in the North-west Nigeria with sustainable agricultural practices
Sudan*	Improving the efficiency and sustainability of water harvesting technologies in Sudan by providing technical assistance in terms of enhancing; technology transfer, capacity building, and research collaboration (EC C& S)
Sudan*	Soil erosion valuation to support climate resilient agriculture and food security (AFCIA I)
Suriname	Enhance the resilience of Suriname's water supply system by modelling drought risks and developing a roadmap of prioritized alternatives for aquifer recharge (AFCIA I)
Thailand	Feasibility and Viability Study of Using Blockchain Technology for a Real-time Climate Risk Insurance System in Thailand's Agricultural Sector (AFCIA I)
Pakistan*	Improving adaptive capacities of water sector through surface rain water harvesting technology adoption
Pakistan	Technologies Framework for Implementation of Nationally Determined Contributions for Pakistan
Zambia	Aquifer mapping technologies for Zambia
Zimbabwe	Piloting of a reliable solar powered drying facility for mopane worms in the Gwanda rural District of Zimbabwe (EC CC&S)

Trends in requests:

- Broader range of technical requests, including hydroponics, clean cooking, synecoculture

Deep dive: WEF

Food resilience is supported through, for example, these TAs in Cameroon, Zimbabwe and Nigeria:

Synecoculture, Solar-powered mopane worm drying, and Hydroponics



1 TNA was completed during the reporting period.

Country	Examples of TAs completed
Cote d'Ivoire	Updating of Technology Needs Assessment (TNA) and Technology Action Plan (TAP) for the implementation of NDC (GCF Readiness)

Technology Enablers Highlights in National Systems of Innovation

Trends in requests:

Majority of requests come
From Africa and LAC

Country	Examples of TAs completed
Tanzania	Developing a national framework for deploying and scaling up E-Mobility in Tanzania
Colombia	Sustainable Cuerval: Strategies for conservation, restoration and monitoring of the mangrove areas of the Cuerval for adaptation and mitigation with a focus on the integration of peace in climate action in Colombia
Malawi	Using simple mobile technologies to scale up digital collection & processing of climate observations for adaptation actions in Malawi
Jamaica	Enhancing multi-scalar mapping and research on food security risk due to the impacts of climate change on rural and urban environments
Bahamas	Developing a national framework for the standardization of stalls and procedures for a climate smart street side vendor in the Bahamas
Suriname	Enhance the resilience of Suriname's water supply system by modelling drought risks and developing a roadmap of prioritized alternatives for aquifer recharge
Chile, Dom Rep. Uruguay, Costa Rica	Multi-country Circular Economy Finance for MSMEs
Uganda	Strengthening Waste Management Policymaking in Uganda in Response to Climate Change
Cote d'Ivoire	Updating of TNA and TAP for the implementation of NDC

Technology Enablers Highlights in Digitalization

Trends in requests:

- Exploration of emerging technologies (blockchain, AI, etc.)
- Focus on adaptation-related digital technologies (management of floods, droughts, fire, etc.)
- Requests for centralized environmental data systems

Country	Examples of TAs completed
South Africa	Tree Monitoring for climate adaptation in the city of Mbombela
Mozambique	Implementation of Water-Food-Energy nexus using digital technologies for local communities in Mozambique
Timor Leste	Formulating a National Electricity Grid Code and Development of a Net Metering Policy in Timor-Leste
Thailand	Feasibility and Viability Study of Using Blockchain Technology for a Real-time Climate Risk Insurance System in Thailand's Agricultural Sector
Mali	Data-driven approach in flood mitigation: developing real-time mapping of floods in Mali
Zambia	Aquifer mapping
Georgia	Building up integrated monitoring and early warning forest fires detection system in the Borjomi - Kharagauli National Park by innovative remote sensing tools



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).



AFCIA Phase I
8 TAs completed during the reporting period



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.



AFCIA Phase II
5 TAs under bidding
15 in the design phase



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.



EC-funded Climate Change and Security
5 TAs closed during the reporting period



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.



EC-funded Innovative Climate Solutions
6 TAs under implementation
2 under bidding

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

[Learn more](#)

Gender mainstreaming through the TAs

Nigeria

Empowering communities of Kaduna State, North-West Nigeria, with sustainable agricultural practices (EC Climate Change and Security Programme)

- Sustainable hydroponics systems powered by solar PV
- Provided farmers with secure livelihood options to mitigate security-risks and other conflicts.
- Trained women to construct, operate, and maintain hydroponics systems, reducing reliance on external agricultural services.



Zimbabwe

Solar powered drying facility for mopane worms in the Gwanda rural District of Zimbabwe (EC Climate Change and Security Programme)

- The technical assistance piloted a solar-powered drying facility for mopane worms in Gwanda Rural District, Zimbabwe.
- Capacity built for women and local farmers in construction, operation, and maintenance of renewable energy drying systems.
- Improved food security through solar drying adoption



Sustainable Cuerval (Colombia)

Participatory strategies for conservation, restoration, and monitoring of mangroves in the El Cuerval Community Council for Climate Adaptation and Mitigation with a Peacebuilding Focus

- Drones, satellite mapping, and community monitoring reveal where mangroves thin, waters stall, or harvesting weighs too heavily
- Communities are restoring 2,700 hectares of mangroves, planting propagules in bare soil, clearing invasive plants, and reopening channels so tidal waters return.
- This will allow for a more sustainable harvesting of clams, supporting livelihoods of local communities

“The mangroves are life, health, income, protection. [...] Without mangroves, what protects us? What protects our kids? We’d have nothing. That’s why we want to protect them.”

- Yolanda Garcés Ortiz, clam harvester from Cuerval



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Capacity Building & Knowledge Sharing

Global Thematic Capacity Building: Climate Finance

Region-tailored

Latin America and the Caribbean (May 22-23)

21 NDEs, hosted by Panama. Engaged 5 financial entities/MDBs/future donors and 6 key local, regional, and global emerging network members.

Africa (July 23-25)

44 NDEs, 1 site visit to Karura Forest. Engaged 9 financial entities/MDBs/future donors and 4 key local, regional, and global emerging network members.

Asia (September 2-3)

18 NDEs, partnered with World Bank, NIGT, hosted by ROK-MSIT. Engaged 13 financial entities/MDBs/future donors and 45 key local, regional, and global emerging network members.

This programme was developed undertaking NDC analyses and sector priorities identified by 83 NDEs and delivered session materials and activities tailored to their knowledge level. Each forum had:

- Panel discussion on the global movement towards climate finance
- Introduction to public finance models, modalities, and support
- Presentations on best practices, philanthropists/private sector engagement and integrity
- Workshop on climate narrative, stakeholder matrix, and social return on investment



Collaborative RD&D: Learning Visit & CRD2B2 Workshop

Learning Visit on Green Hydrogen Production and Fuel Cells - Asia and the Pacific (22-24 July 2025)

5 participants from Belize, Gambia, Maldives, Panama, Zimbabwe

Partnered with KIST, KRICT (Chemical Research), East West Power Co. Ltd.



Global CRD2B2 Workshop (27 – 29 August 2025)

6 NDEs - Gambia, Malaysia, Panama, Tajikistan, Timor-Leste, Zimbabwe

UNFCCC TM collaborative RD&D Session on Accelerating the deployment of Energy Storage (29 August 2025) during the Workshop



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

NDE Fora

85 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
- Exchange successful stories amongst NDEs



FM/FIs

- GCF Regional Dialogue with Caribbean
- GCF Regional Dialogue with SIDS in the Pacific



UN and Youth

- World Bank's Roundtable discussion on Advancing Resilience
- Webinar with UNEP ROAP for AI and Energy, Gender
- Webinar with UNEP DHI for EWS
- Interactive workshop with Youth4Capacity and Seedstars
- Welcomed visits from Universities and high schools



Network-NDE Engagement: knowledge sharing and matchmaking



Networking

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.



The Youth Climate Innovation (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.

- 32 teams were supported with mentorship, training, networking and professional services during the incubation phase (April – July 2025)
- 4 winning teams were selected to participate in the acceleration phase (September – October 2025)
- The Programme directly contributes to climate action, youth empowerment, employment, strengthening of endogenous capacities and local market creation



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Network

The Network has grown to have **929** members across the world (as of June 2025):

- 45% from Annex I / 53% from Non-Annex I / 2% International
- 44% WEOG, 31.5% Asia-Pacific, 11% Africa, 10% LAC, 2% International, 1.5% Eastern Europe



Over half of the members are from the private sector, followed by research and academic institutions and NGOs.

Type of Organization	Counts	%
Private sector organization	498	53.6%
Research and academic institution	149	16.0%
Non-governmental organization	104	11.2%
Not for profit organization	76	8.2%
Public sector organization	48	5.2%
Intergovernmental organization	19	2.0%
Other	12	1.3%
Partnership	9	1.0%
Initiative	5	0.5%
Financial institution	4	0.4%
Specialized agency	2	0.2%
Government/Ministry	1	0.1%
Local government	1	0.1%
Regional organization	1	0.1%
Total	929	100.0%

Objectives

To gather inputs on past activities and ensure that our future activities align with your interests in line with COP decisions on the functions of the Network in preparation for the upcoming PATM Independent Review.

Who

All network members (**912** at the time).

When

Between **20 April and 10 May 2025**.

What

The survey consisted of **23 questions** on:

- member engagement with CTCN
- its challenges and suggestions for improved collaboration opportunities

How

The survey results have been analyzed to suggest recommendations and strategies for future Network engagement activities.



Call for Network members to Participate in Network Engagement Survey

Engagement with CTCN Consortium partners

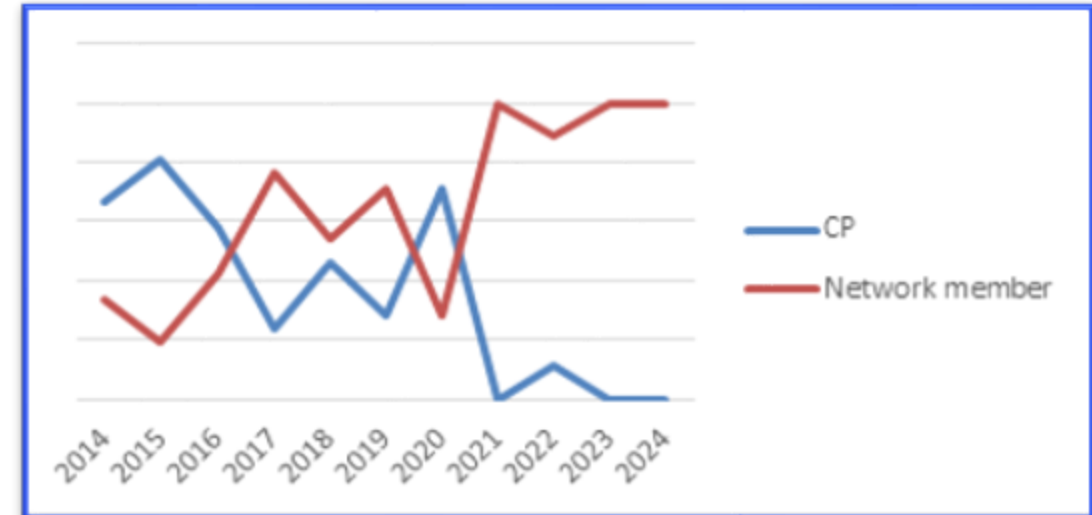
The UNEP-led consortium, consisting of 13* organizations (called **Consortium Partners, CPs**), was selected as the host of the CTCN in 2013.

CPs played a central role in the early years, supporting Technical Assistance, Capacity Building, and Knowledge Sharing.

CP engagement peaked in 2015 but steadily declined as **Network Members began taking on most Technical Assistance delivery**.

The legal agreement governing CP operations expired in 2022, and while no dedicated mechanism currently exists, **former CPs may continue to participate as Network Members**.

Annual Distribution of Engagements by Partner Type among Entries Selected for Analysis (2014–2024)



*UNEP (lead), UNIDO, AIT, BF, CSIR, TERI, ENDA-TM, CATIE, ICRAF, GIZ, ECN, NREL, URC (UNEP Risø Centre)

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Engagement with Partners & Resource Mobilization

In 2025, work continued along the 6 Strategic Action areas of the RMP Strategy, with particular emphasis on diversifying funding

Strategic Action 1: USD 4.3 million from Denmark, USD 1 million from Germany, EC: USD 2.1 million into ICS programme, new commitments from Japan, RoK, Spain, Sweden

Outreach to new and historic donors: Australia, Norway, UK

Engagement with Swedish Head of UNFCCC Delegation

Strategic Action 2: GCF-KCB collaboration, Uganda submitted CN to GCF, AF: USD 5 million for CN for Burundi and Maldives under consideration, conversations ongoing with KDB, ADB, IDB, EDB discontinued

Strategic Action 3: CN to NNF and CIMMYT. Outreach to various foundations (including Gates Foundation, CMK Foundation) and private sector (Pepsi MENA, Business Sweden)

Strategic Action 4: Swedish NDE playing active role in facilitating RMP efforts in trip to Stockholm

Strategic Action 5: CTCN engagement in new venues (Adaptation Futures, Int. Conference on Financing for Development)

Strategic Action 6: The two secretariats held conversations with AIIB, and updated the joint call for partnerships

5

Communications & Outreach

Communication activities

31 news articles, stories, and blogs published (including op-eds with Environmental Finance, Lowy Institute's The Interpreter, SDG Action as well as IISD)

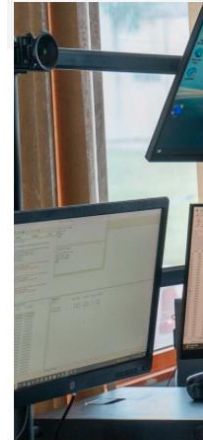
13 newsletters sent to over **13 500** subscribers

Data and monitoring — Global

Bridging the divide: using technology and AI to close the development gap

Digital innovation can drive progress toward the SDGs – yet the countries that stand to gain the most often face the highest barriers to adoption. We need a more inclusive model of technology transfer to close, not widen, the global development gap

ARTICLE 25 June 2025



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Resilience: The Global Adaptation Podcast

16 July 2025

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Maximizing Emerging Trends in Locally Led AI Solutions for Climate Action

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STORY HIGHLIGHTS

- > To unlock the full potential of AI within the Network, the CTCN can deepen its collaboration with NDEs, grounding AI solutions in strategic priorities and research agendas.
- > Sharing practical use cases that demonstrate how AI addresses climate challenges will help countries strengthen the effectiveness and impact of climate technology implementation.

Storytelling

4 web stories and **3** videos for AFCIA

4 web stories and **4** videos for Climate Change and Security Programme

Hundreds of hi-res project photos

11 exhibition posters

Always focused on Impact and Human-centric storytelling!



*In **Malawi**, a new way to collect and report water level data from rivers using simple and free mobile technology is helping to predict floods and saving lives. The data is analyzed by AI in real time and helps disaster risk management by the government.*



ADAPTATION FUND



2 Impact Reports

2 Roadmaps

3 Technical Fact Sheets

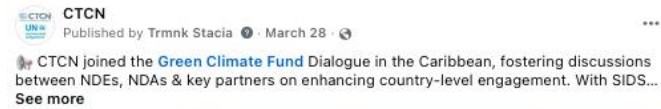


Social media engagement

1,107 social media posts published

18,366 followers reached

197k people reached through social media



6

CTCN Operations

CTCN Secretariat

1. CTCN PALO Head (P5) in onboarding process
2. LAC Manager (P4) under recruitment
3. Junior specialist in network engagement

Terminal Evaluation of the CTCN (2013 – 2022):

All recommendations were closed.





UNFCCC_CTCN



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Centre Network

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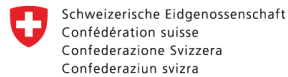
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