

The Climate Technology Centre and Network and adaptation readiness support

Climate Finance Readiness
Workshop for Least developed
Countries
30 May –1 June 2017
Radisson Blu Hotel
Addis Ababa,
Ethiopia



Connecting.

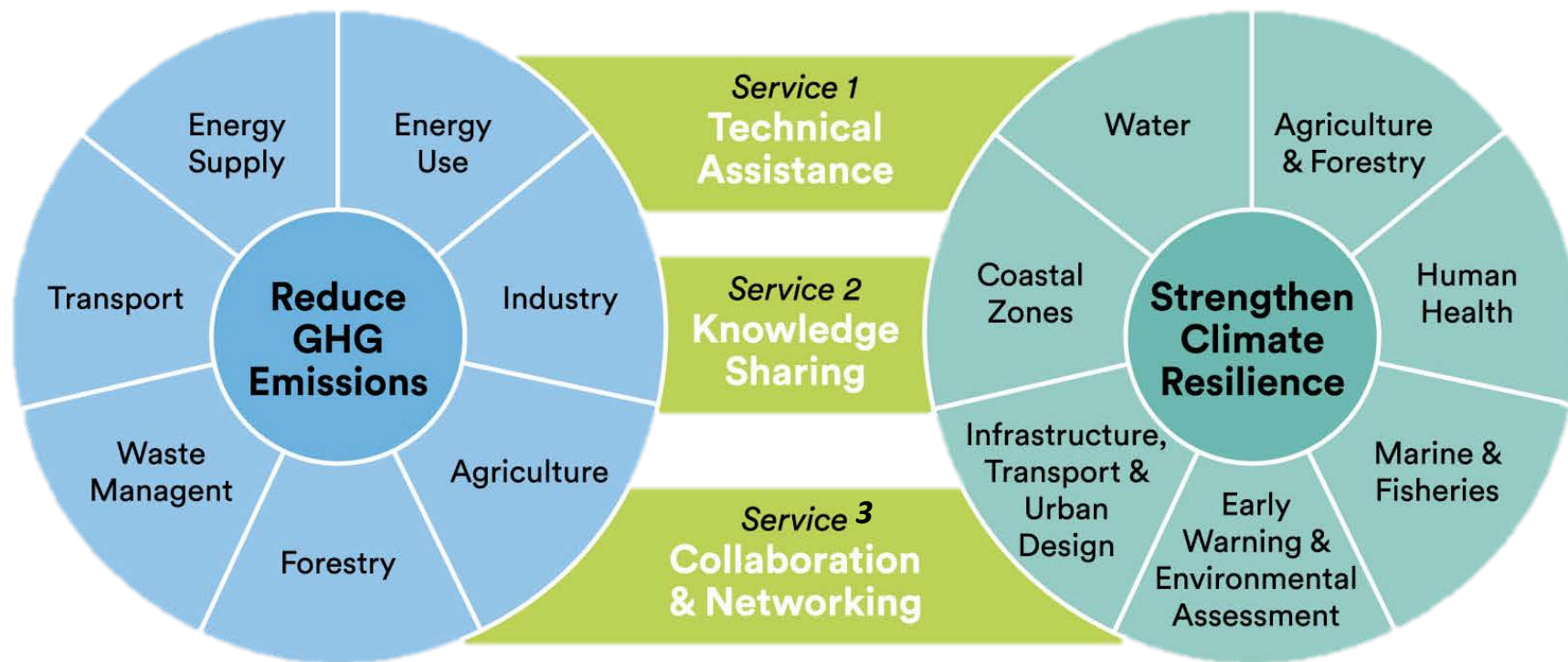
“The CTCN can accurately find the right experts, help to develop technology options, remove the barriers and also identify financial partners to implement technologies in countries.”

MR. ISSAKHA YOUNG
CENTRE D'ETUDES ET DE RECHERCHES SUR LES
ENERGIES RENOUVELABLES, SENEGAL (CTCN NDE)

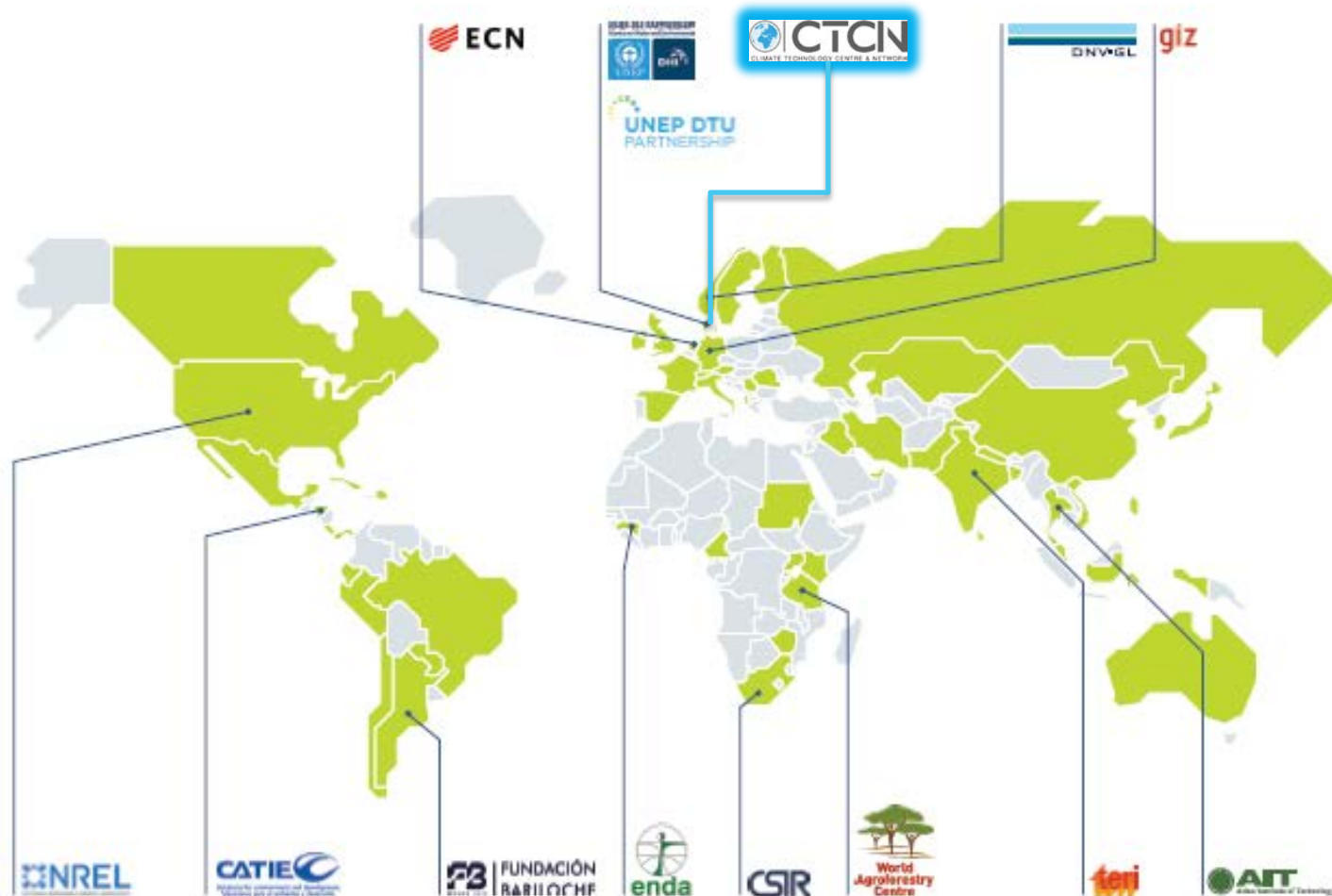


- What: Operational arm of the UNFCCC's Technology Mechanism
- Mission: Promote the accelerated development and transfer of climate technologies at the request of developing countries for energy-efficient, low-carbon and climate-resilient development
- How: Through its consortium and network of experts, provide technical assistance, free of charge to developing countries, at their request
- Readiness support: Support project readiness to various funds, directly or indirectly (Green climate fund, adaptation fund, etc).

CTCN service areas and core sectors



A centre and a global network of partners in over 50 countries



Facilitating and matchmaking

Serving as a facilitator between developing countries and technology experts

- ✦ Identification of technology transfer barriers
- ✦ Advice on policy, legal and regulatory frameworks to support technology transfer
- ✦ Technology feasibility assessments
- ✦ Technology identification
- ✦ Capacity building



Demand driven (National Designated Entities - NDE)

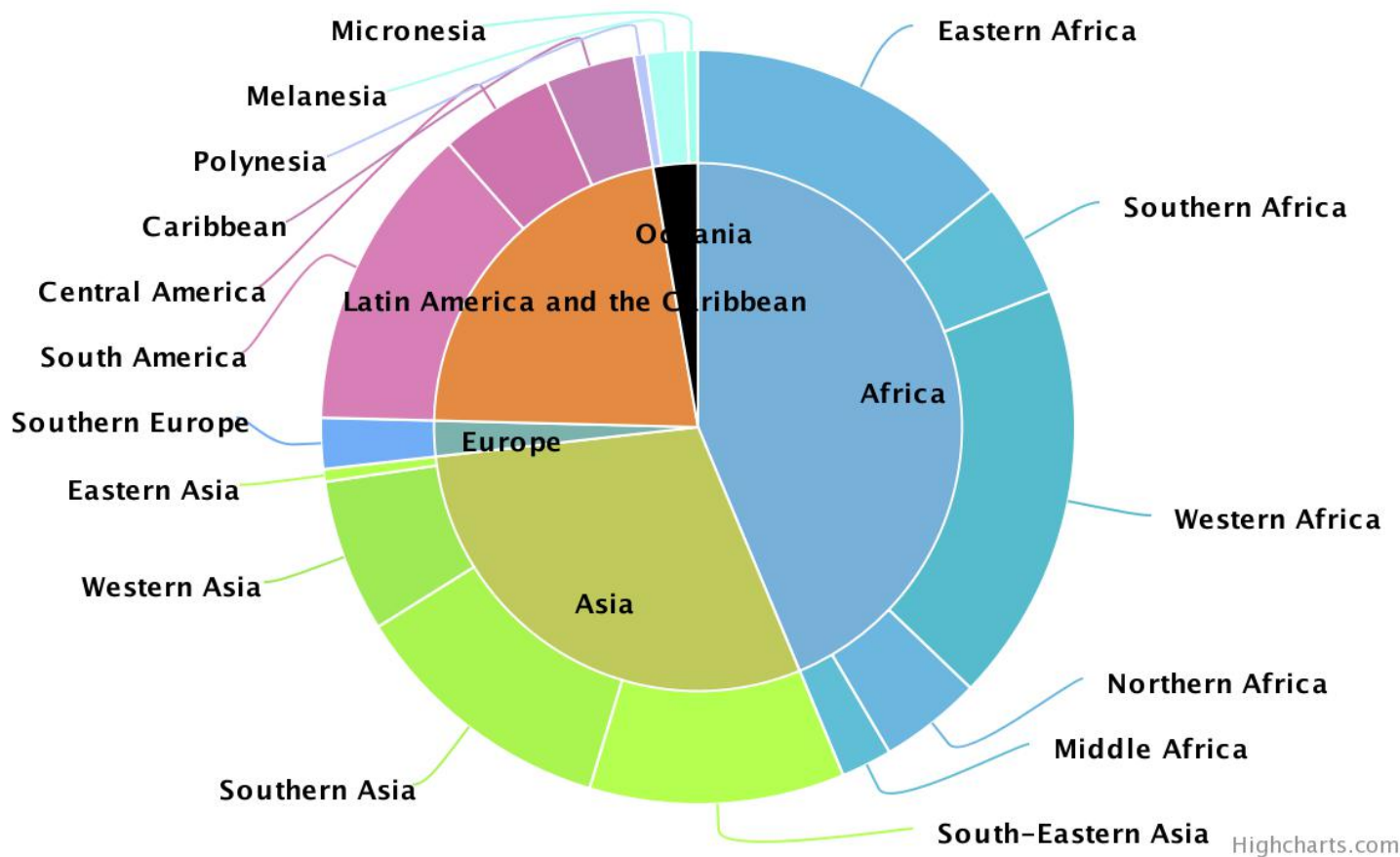
Matching country needs with technology expertise from the Network

- Five step process:
 1. Local proponent works with NDE to submit a proposal
 2. NDE submits to CTCN
 3. Team of CTCN experts collaborate with NDE to develop a tailored solution
 4. Tendering in the Network/matchmaking
 5. Solution gets implemented



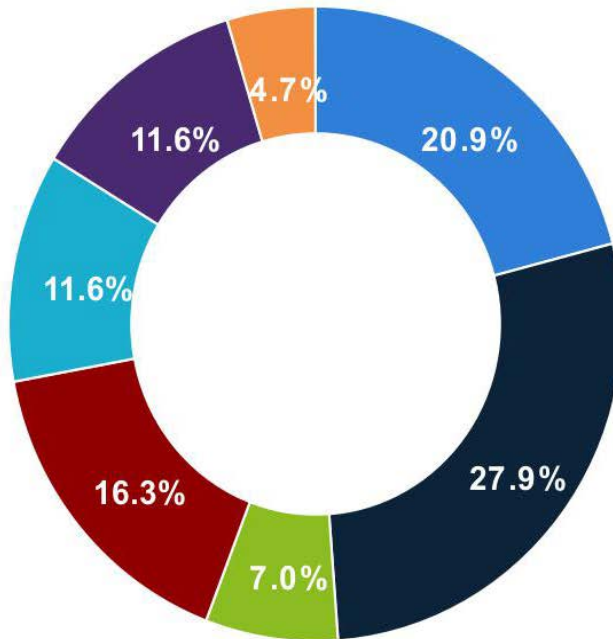
Technical Assistance Requests by Region

Requests by region

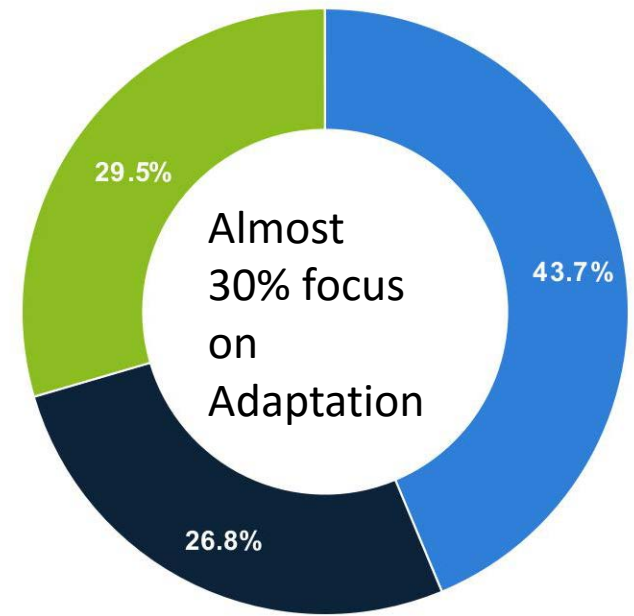


Highcharts.com

CTCN in adaptation: overview



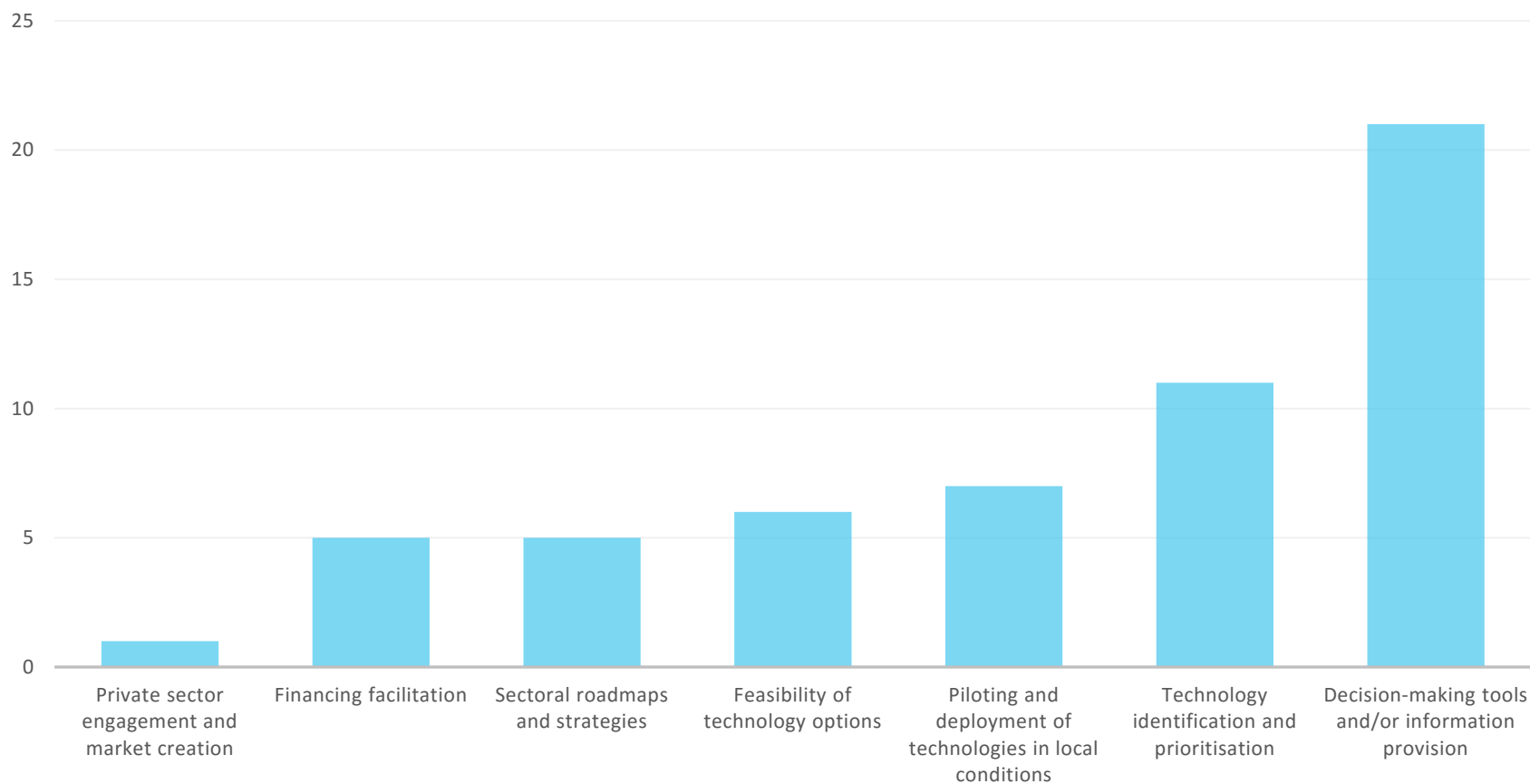
183 requests submitted by countries (from ministries, cities, private companies, research institutions, universities, non profit, etc).



Almost 30% focus on Adaptation



CTCN adaptation: types of assistance



Align technical assistance with financing in service of Parties' priorities

1. Technical Assistance for project pipeline development:

- What: Feasibility studies; policy reform, cost benefit analysis, technology options, etc.
- Who: Development Banks, GCF, Adaptation Fund, Bilaterals



2. Technical Assistance for commercial readiness

- Business planning
- Financing forums with private investors
- Microfinance institutions

CTCN and Adaptation Fund collaboration on adaptation readiness support

The Adaptation Fund

- ✦ Needs sound and solid project proposals but limited funding for project preparation
- ✦ Needs conducive institutional and policy environment for adaptation actions
- ✦ Established a readiness programme for climate finance in 2014

CTCN and the Adaptation Fund Board (AFB) secretariat partnering with the intention to strengthen complementarity of readiness efforts

- ✦ CTCN as an additional option to support readiness - countries seeking project financing from the Adaptation Fund can request complementary technical assistance from the CTCN
- ✦ Increased dialogue, coordination and collaboration between NIEs and NDEs (communication, joint meetings/events...)
- ✦ Collaboration and opportunity referenced in respective websites

Example 1: Technology identification and prioritisation - City Climate Vulnerability Assessment and Identification of Ecosystem based Adaptation Investments in Lao PDR

Challenge:

- Lao PDR is strongly impacted by climate change and this is expected to increase as urbanization is increasing
- The government submitted a project concept to the GCF for which GCF requested more in-depth technical analysis
- The GCF is interested in understanding the main ecosystems services that can increase cities resilience and whether the existing ecosystem services would be available under changed climate conditions.

CTCN action:

- Assess climate change impacts and vulnerability of 6 major cities of Lao PDR
- Identify the main ecosystem services that can be used by the cities to increase resilience to climate changes
- Recommend, together with local and national stakeholders the main adaptation options and technologies to implement

Readiness support:

- Technical results and recommendations will become part of and inform the GCF full project proposal that will be submitted by Lao PDR



Figure 3-2 Luang Prabang Site 2.

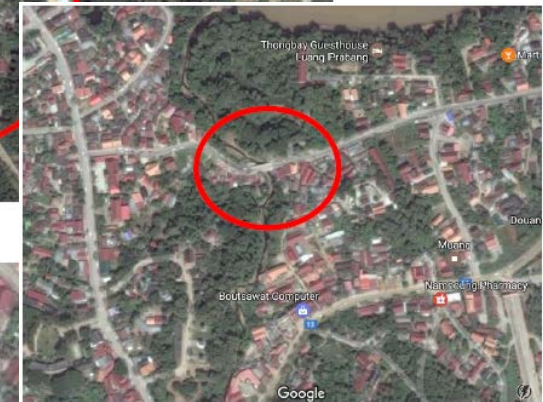


Figure 3-1 Luang Prabang, Site 1.



Figure 3-3 Luang Prabang Site 3.

More information on CTCN website at : <https://www.ctcn.org/technical-assistance/projects/city-climate-vulnerability-assessment-and-identification-ecosystem>

Example 2 : Piloting and deployment of technologies in local conditions - A Community based Early Warning System in every pocket from Santo Domingo

Challenge:

- Government's initiative to improve dissemination of warnings of impending hydro-meteorological phenomena for the population in high risk areas in Santo Domingo.

CTCN action:

- Analysis of existing EWS affecting the area
- Mapping of the actors involved in these alert systems
- Study on potential and requirements for introducing new information and communication technologies

Readiness support:

- Identify and pilot new technologies including mobile phone app
- Broker private financing for development and scale up of communication

More information on CTCN website at : <https://www.ctc-n.org/technical-assistance/projects/community-based-early-warning-system-every-pocket-santo-domingo-dn>



Example 3: Feasibility of technology options - Catalysing low cost green technologies for sustainable water service delivery in Northern Kenya

Challenge

- Water services available for the poor in Kenya are often inadequate, unsafe and unsustainable – exacerbated by climate change

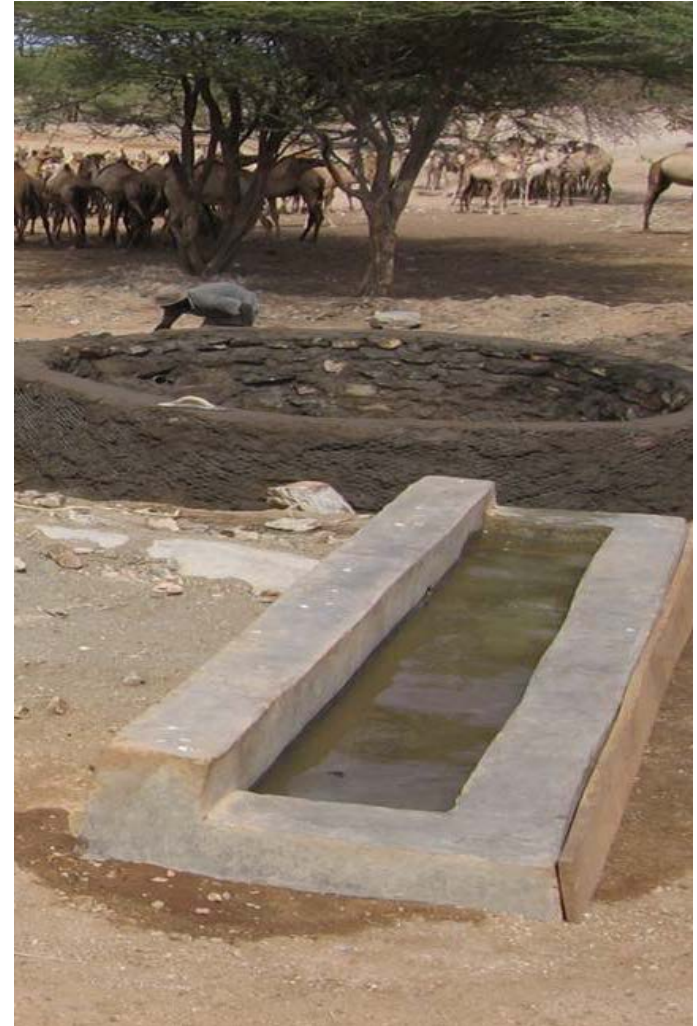
CTCN action

- Prioritize three green water technologies adapted to targeted areas
- Draft a pre-feasibility study to determine the technical, economic and social feasibility of the three technologies
- Design of a PPP business model for water services

Readiness support

- Private sector engagement for technology uptake
- Build capacity in the development of a concept note to trigger future funding

More information on CTCN website at : <https://www.ctc-n.org/technical-assistance/projects/catalysing-low-cost-green-technologies-sustainable-water-service>



Example 4: financing facilitation - Mobilization of financial resources for deploying adaptation technologies in Guinea

Challenge:

- Guinea has a number of key policies related to climate change adaptation, including a National Adaptation Plan of Action, but there is the implementation of project ideas is insufficient
- Requested support to select the project ideas from the NAPA (and others) with most potential in order to make them bankable

CTCN action:

- Identify the best project ideas with most potential for implementation and sustainability
- Train and coach project champions to develop project proposals
- Connect champions and project holders with potential donors and facilitate matchmaking

Readiness support:

- Capacity building of national stakeholder and project holders on project proposals, identification of and matching with potential donors





CTCN PUTTING
THE VISION
OF THE PARIS
AGREEMENT.

INTO ACTION.

We look forward to exploring further opportunities for collaboration and welcome your comments and questions.



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Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO

Government
of Germany

www.ctc-n.org
ctcn@unep.org

220+ Network Members (and growing)



220+ Network Members



Example: Piloting and deployment of technologies in local conditions Improving crop resilience in Ghana

Challenge

- Changing rainfall patterns are increasing rural vulnerability and land degradation

CTCN action

- Design early warning system
- Strengthen collaboration to support climate resilience of crop production
- Technology piloting

Readiness support

- Adjust and validate drought early warning and forecasting technologies
- Road map to scale up financing



166 Technical Assistance Projects in 65+ Countries

