

CTCN Africa Forum 2019

Summary

CTCN held its annual regional National Designated Entity Regional Forum on March 18-19, 2019 during the African Climate Week in Accra, Ghana.

The main objectives of the CTCN Regional Forum is to present the latest development of CTCN services in the region; share national and regional experiences and best practices from CTCN technical assistance in the region; and strengthen linkages between the CTCN support and other support mechanisms available under the UNFCCC.

The Forum was attended by over 50 participants including NDEs to the CTCN, Consortium Partners and Network Members.



AFRICA CLIMATE WEEK
THEME:
"Climate Action in Africa: A Race We Can Win"



CTCN
CLIMATE TECHNOLOGY
CENTRE & NETWORK

Venue: Accra International Conference Center

All presentations and pictures are available on the CTCN website: <https://www.ctcn.org/calendar/fora/2019-ctcn-regional-forum-africa>

For more information about the CTCN, please visit www.ctc-n.org

Key points from discussions

Main topics discussed during the two day sessions are summarised in this section.

Opening Session

- **Mr. Ebenezer Appah Sampong, Acting Executive Director, Ghana Environmental Protection Agency** Africa needs technologies to realize the needed transformation in our economies while avoiding impacts of climate change. Our poverty gap is a technology gap.
- CTCN has done a lot to support African countries. This includes prioritized actions from TNAs and TAPs.
- Ghana benefitted from CTCN services. Four requests for technical assistance, three of which are multi-country and one of which was funded GCF readiness financing, have been implemented.

Rajiv Garg, Climate Technology Manager, CTCN

- CTCN celebrated its first 5 years of operation, its mandate was renewed by the COP for another 4 years.
- Africa Climate Week is an opportunity to attend meetings and workshops related to climate change and NDC implementation, as well as thematic sessions on finance, policy and technology by the United Nations Framework Convention on Climate Change (UNFCCC) Secretariat
- NDEs are invited to bilateral meetings with CTCN teams on current and future requests.
- News about CTCN: Jukka Uosukainen, CTCN Director is leaving at the end of March 2019; a new deputy Director from UNIDO has been named, Mr Tomoo Machiba and a new Director is being recruited.
- It is key to look at the real impacts of CTCN technical assistance, to identify requests that can be replicated and scaled-up.

Session 1: Institutional settings of the Technology Mechanism under the Convention

Introduction to CTCN

- CTCN Mission is to promote the accelerated development and transfer of climate technologies at the request of developing countries for energy-efficient, low-carbon and climate-resilient development
- UNFCCC Technology Mechanism created in 2009 alongside Financial Mechanism (GCF+GEF) as part of the Copenhagen Agreement
- Technology Mechanism consists of the Technology Executive Committee (policy guidance) and the Climate Technology Centre and Network (implementing body)
- So far, CTCN has worked on 137 technical assistance requests from 79 countries covering several adaptation, mitigation and cross-cutting sectors;

- CTCN works as facilitator and matchmaker in connecting country's needs with relevant technology expertise from its Network.

COP24 Technology outcomes for CTCN

- COP24 discussed and provided guidance on five principal matters relating to CTCN:
 1. Independent review;
 2. Strengthening the Technology Mechanism (TM);
 3. Linkages with the Financial Mechanism (FM) ;
 4. Terms of reference for the Periodic Assessment of the Technology Mechanism;
 5. Technology Framework of the Paris Agreement.
- The 5 proposed themes of the new Technology Framework are: Innovation; Implementation; Enabling environment and Capacity building; Collaboration and Stakeholder Engagement and Support;
- These themes are guiding the new CTCN Programme of Work;
- At COP 24, developing countries reiterated the relevance to strengthen the linkages between the Technology Mechanism and Financial Mechanism.

Key points from discussion

- Strong collaboration between TM and FM is needed;
- Relationship among NDEs and climate change focal points is fundamental to enhance the climate processes under the Climate Convention.
- Developing countries' capacity needs to be built and improved while increasing awareness and financing technology transfer.
- Linkages between NDEs and NDAs are to be strengthened also in light of private sector engagement;
- Technology framework as instrument that will oversee the TM and provide guidance so that TM can maximise its results. Annual report of TEC and CTCN is an important agenda item, featured in several meetings, SBI, COP, now also CMA.
- Among the Technology Framework themes, **innovation and implementation** along with enabling environment and capacity building are the most relevant to the CTCN
- CTCN needs to support innovation, have longer-term intervention. Intellectual Property Rights (IPR) are critical to facilitate access to technologies.
- Capacity-strengthening of the Private Sector is essential to create South-South and triangular cooperation on technology;
- Innovation also includes adaptation of a technology to local conditions;
- Costs consideration needs to be taken into account as far as innovation and scaling up of endogenous technologies are concerned. CTCN intervention should focus on identify the barriers and suggesting solution to overtake those. it is the responsibility of countries to mobilise financing for RD&D.
- CTCN needs to work more on implementing TNAs and TAPs: TNA projects identified need support to be financed and thus implemented.

Session 2: Regional priorities

Presentation on Regional priorities

- Renewable energy, forest and land-use as well as transport, energy efficiency and waste are the mitigation priorities that stood out from the NDC and TNA analysis.
- Agriculture, water, early warning systems were identified as top adaptation priorities.
- Various technologies in each of those sectors were identified and examples of requests assisted by CTCN were presented.

Break-out groups on how CTCN can help advance the 5 themes of the technology framework: Innovation; Implementation; Enabling environment and Capacity building; Collaboration and Stakeholder Engagement; and Support were organised.

Session 3: Climate technologies best practices by Network Members and Consortium Partners

Network members and Consortium Partners shared examples of best practises among their activities in the region. A summary is presented.

Network Members

E.Co

- The importance of stakeholder engagement and meaningful participation by country representatives and potential beneficiaries is a recurring need in order to strengthen collaboration and deliver climate action at the local level;
- Survey on issues in project design formulation (GCF insights). Designation of beneficiaries happens too late in project design;
- Different stakeholders' engagement strategies and methods during project formulation to ensure that the voices of those who should benefit from climate finance are involved at all stages of the design process.

SNV

- Climate innovation Centre project
- Meat processing waste disposal case study

Natural eco capital

- Waste project in Nigeria
- Waste collection, public awareness, youth mobilization, sorting waste into resalable and recyclable waste
- Circular economy

Consortium Partners

ICRAF

- Carbon sequestration as a way to mitigate climate change
- Different type of carbon sequestration (geologic or biologic)
- Soils are the largest carbon sink
- Soil carbon sequestration technologies and support tools

ENDA

- Activities in the region: CTCN TAs and incubator programme running in Mauritania and Equatorial Guinea
- Lessons learned and recommendations on response plan design, the incubator programme and the endogenous technologies programme

Session 4: CTCN Technical Assistance impacts

Zimbabwe

[Piloting rapid uptake of industrial energy efficiency and efficient water utilisation in selected sectors](#)

- CTCN trained approx. 40 people from key stakeholders and audited 10 companies for water and energy efficiency through Network Member Pricewaterhouse Coopers India;
- Building on CTCN support, the 10 companies will identify actions to implement audit recommendations;
- Plans are underway to scale up the intervention to more companies.

[Developing a Climate-Smart Agriculture Manual for Agriculture Education](#)

- CTCN produced a Climate Smart Agriculture Manual for Professional Level Education to mainstream climate change education, climate-smart agriculture, and other issues, into the National Diplomas available in all agricultural colleges;
- Zimbabwe organized training of trainers workshops to strengthen capacities of lecturers to impart CSA practices to trainee extension officers who will work directly with farmers and convey CSA practices.

Uganda

[Presentation](#)

[Climate resilient decision making methods for Lake Victoria](#)

- CTCN supported Uganda strengthen planning in the water resources and energy sectors, improving Uganda's weather forecasting, climate change adaptation planning and decision-making
- A web portal titled 'Adaptation to Climate Change portal – Lake Victoria and Uganda'

(<http://www.flooddroughtmonitor.com>), was developed. It provides data, information, tools and guidelines produced freely accessible online to all national stakeholders

[Formulating Geothermal Energy Policy, Legal and Regulatory Framework](#)

- CTCN supported Uganda to draft a geothermal policy, law and regulation to attract private sector investments while maintaining cost effective power supply costs
- The policy and law are under review and expected to be enacted soon

Algeria

[Establishment of a laboratory for accreditation and quality control of photovoltaic modules in Algeria](#)

Presentation

- CTCN supported the creation of a laboratory to test photovoltaic modules to guarantee the quality of products that are commercialized in the market
- Thanks to the assistance, Algeria will develop its own certification body and develop standards suitable for the climatic conditions of the country
- Algeria started the cross-comparison of test results from their laboratory with laboratories already accredited

During the discussion, NDEs asked clarifying questions and expressed interest in replicating this TA in their countries.

Session 5: Collaboration between the CTCN and the GCF and CTCN multi-country requests

[Improving resiliency of crops to drought through strengthened early warning within Ghana](#)

Presentation

- CTCN technical assistance, funded by the GCF readiness helped improve availability of information on drought characteristics to help farmers proactively take adaptive measures
- The GCF NDA (ministry of finance) set up a technical advisory committee to provide technical advice on proposals
- Challenges and lessons learned from NDE – NDA collaboration
 - Important to establish effective collaboration and frequent communications between the NDE and NDA
 - Important to ensure all procedures and criteria are clearly understood and met to avoid delays

[Nigeria](#), Congo and other central African countries requested CTCN support to conduct a Technology Needs Assessment in the sectors identified in the NDC through their GCF readiness allocation.

Points discussed:

- It is important to involve not only the NDA but also climate change focal points;
- Trade and industry ministries can facilitate private sector engagement;
- CTCN needs to help facilitate interaction between the NDE and the NDA;

- NDEs interested in accessing NDA resources for capacity strengthening and coordination. NDEs don't have resources to organize meetings of national stakeholders;
- COP24 decision¹ on linkages between the Technical and Financial Mechanism that provides the background for NDEs to receive support;
- GCF is not the only option to receive financial support for climate change. GEF, MDBs and private financing could be accessed through CTCN TA support.

CTCN multi-country requests:

- [Mainstreaming gender for a climate resilient energy system in West Africa](#)
- [West African coastal classification, hazard management and standardized communication scheme utilizing the Coastal Hazard Wheel](#)
- [Ideas for new multi-country requests](#)

Break-out group discussion focused on ideas for GCF Readiness and multi-country requests.

Session 6: Linking climate change and air quality

Climate and Clean Air Coalition focal points presented on developing integrated national plans on climate and air quality.

[Nigeria](#) presented on national planning on short-lived climate pollutants.

Ghana presented on the Long Range Energy Alternatives Planning system-Integrated Benefits Calculator (LEAP-IBC) tool, an integrated planning tool to help governments: to jointly assess greenhouse gases, short-lived climate pollutants (SLCPs) and other air pollutant emissions; build mitigation scenarios; and understand how emissions' reductions benefit climate, health and crops.

Mr. Ramon Cruz presented on the benefits of sustainable, low-carbon transport for Africa.

Break-out groups wrap-up

- Deeper link between the technology mechanism and financial mechanism is needed, CTCN to facilitate this process.
- Countries know which technologies they want to implement. They request CTCN to play a matchmaking role and support the identification of technology suppliers to assure a proper transfer.
- CTCN to work on policy frameworks in specific sectors.
- Countries need capacity building on
 - M&E system implementation;
 - Proposals preparation;

¹ Decisions -1-9/CP.24 - Linkages between the Technology Mechanism and the Financial Mechanism of the Convention, *Recalling* decisions 1/CP.18, paragraph 62, 13/CP.21 and 14/CP.22

- Build financial institutional capacity
- Main barriers for NDEs are lack of finance ready projects, access to the NDA, low adaptation of technologies to local markets, lack of government interest in investments in climate change, insufficient decision-making tools and weak policies for implementation.
- CTCN should support research and development on climate technologies and link to GCF climate technologies incubator/accelerator.
- Countries will develop requests on capacity building.
- Main Topics discussed for multi-country / GCF readiness requests
 - Energy efficiency
 - Biomass value chain
 - Transport
 - Smart agriculture
 - Early warning systems
 - Smart cities
 - Industrial energy efficiency
 - Water resource pricing.

Closing remarks from Mr. Hamid Abakar Souleymane, CTCN Advisory Board members from Chad.

Annex I – Agenda

DAY-I	18 March 2019	Presenter
08:30 -09:00	Registration	
09:00-10:00	Opening session: <ul style="list-style-type: none"> - Welcome Participants - Special address from Ghana - Objectives of the Programme - Group Photo 	Moderator: Rajiv Garg, CTCN Special address: Mr. Ebenezer Appah Sampong, Acting Executive Director, Ghana Environmental Protection Agency
10:00-10:30	Tea / Coffee break	
10:30-12:00	Session 1: Institutional settings of the Technology Mechanism under the Convention Presentations on: <ul style="list-style-type: none"> - Introduction to CTCN (mandate, services, updates) - COP decisions on Technology Mechanism and on Linkages between Technology and Finance Mechanism Q&A and discussion	Presenters: <ul style="list-style-type: none"> - Federico Villatico, CTCN - Rajiv Garg, CTCN
12:00 – 12:30	Session 2: Regional priorities Presentation on: <ul style="list-style-type: none"> - Technology priorities in the region from TNAs and NDCs and CTCN requests received 	Presenter: Giulia Ferrini, CTCN

12:30-14:00	Lunch	
14:00 – 15:30	Session 2: Regional priorities <ul style="list-style-type: none"> - Introduction of break out groups on Adaptation, Mitigation, Capacity-Building and Private Sector Engagement Break out groups on: <ul style="list-style-type: none"> - Technical Assistance, Capacity-Building and Private Sector Engagement Countries rotate to the different groups and discuss challenges and priorities under each theme	Introduction of break out groups: Monique Motty, CTCN Facilitators: CTCN team
15:30 – 16:00	Tea / Coffee break	
16:00 – 17:00	Session 3: Climate technologies best practices by Network Members and Consortium Partners Panel discussion among Network Members and Consortium Partners on: <ul style="list-style-type: none"> - Technology best practices, ongoing activities in the region and linkages with CTCN work 	Moderator: Rajiv Garg, CTCN Network member presenters: <ul style="list-style-type: none"> - Silvia Emili, E.co Ltd - Aaron Sangmor Nyarkotey, SNV - Eugene Tua, Natural Eco Capital Consortium Partner presenters: <ul style="list-style-type: none"> - Libasse Ba, Samba Fall, ENDA - Mehmood Hassan, ICRAF - Oscar Mokotedi, CSIR
DAY-II	19 March 2019	
09:00 – 10:30	Session 4: CTCN Technical Assistance impacts Panel discussion among countries with completed requests Guiding questions: <ul style="list-style-type: none"> - What the request was about - What outcomes did it achieve - How the impacts produced by the TA are being monitored / what happened since the end of the TA Q&A and discussion	Moderator: Federico Villatico, CTCN Presenters: <ul style="list-style-type: none"> - Elisha N. Moyo, NDE Zimbabwe - Maxwell Onapa, NDE Uganda - Elamin Kouadri, Algeria
10:30-11:00	Tea / Coffee break	
11:00 – 12:00	Session 5: Collaboration between the CTCN and the GCF and CTCN multi-country requests Panel discussion between countries with GCF readiness requests ongoing or completed Guiding questions: <ul style="list-style-type: none"> - How did you engage with your NDA - Key elements of the proposal for collaboration - Challenges 	Moderator: Federico Villatico, CTCN Presenters: <ul style="list-style-type: none"> - Joseph Baffoe, NDE Ghana - Chukwuemeka Okebugwu, NDE Nigeria - Joseph Badevokila, NDE Congo

	<ul style="list-style-type: none"> - What are the next steps after the readiness is completed (e.g. full GCF proposal) 	
	Q&A and discussion	
12:00 – 12:30	Session 5: Collaboration between the CTCN and the GCF and CTCN multi-country requests Presentations on: <ul style="list-style-type: none"> - CTCN multi-country requests - Plans for future GCF and multi-country requests 	Moderator: Rajiv Garg, CTCN Presenters: <ul style="list-style-type: none"> - Mery Yaou, NDE Togo - Federico Villatico, CTCN - Rajiv Garg, CTCN
12:30 – 14:00	Lunch	
14:00 – 15:30	Break-out groups Break-out groups to discuss about ideas for GCF readiness and multi-country requests: NDEs divided into sub-regional groups and discuss technical assistance ideas	Introduction of break out groups: Monique Motty, CTCN Facilitators: CTCN team
15:30 – 16:00	Tea / Coffee break	
16:00 – 17:00	Session 6: Linkages between climate and air quality Presentations from Climate and Clean Air Coalition focal points on: <ul style="list-style-type: none"> - Developing integrated national plans on climate and air quality 	Moderator: Rajiv Garg, CTCN Presentations from Climate and Clean Air Coalition focal point.
	Q&A and discussion	
17:00 - 17:30	Closing remarks	Hamid Abakar Souleymane, CTCN Advisory Board member

Annex II – Participants list

No.	Country / organization	Family name	First name (as per passport)	Type
1	Algeria	Kouadri-Boudjel Thia	Elamin	NDE
2	Botswana	Lesolle	Penny Mmamodise	NDE
3	Burkina Faso	Ouedraogo	Pamoussa	NDE
4	Burundi	Nindamutsa	Astere	NDE
5	Cameroon	Forghab	Patrick Mbomba	NDE
6	Central African Republic	Mossana	Ozore	NDE
7	Chad	Mahamat	Hassane Idriss	NDE

8	Comoros	Soulaimana	Oumour	NDE
9	Congo	Badevokila	Joseph	NDE
10	Congo, The Democratic Republic of the	Ndaye	Bernard Nkanka	NDE
11	Côte d'Ivoire	Kouadio	Kumassi Philippe	NDE
12	Djibouti	Idriss	Ismael Nour	NDE
13	Egypt	Mohammad Darrag	Mohammad Hamdy	NDE
14	Eswatini (Swaziland)	Simelane	Bafana Nicholas	NDE
15	Ethiopia	Bekele	Yamelakesira Tamene	NDE
16	Gabon	Biyo'o Bi Mbeng	Brice	NDE
17	Gambia	Jatta	Lamin	NDE
18	Guinea	Traore	Kamory	NDE
19	Kenya	Miheso	Rogan Lawrence	NDE
20	Lesotho	Thamae	Lefa Elliot	NDE
21	Liberia	Dobayou II	Randall Massaquoi	NDE
22	Madagascar	Laivao	Michel Omer	NDE
23	Malawi	Kampira	Lyson Ephraim John	NDE
24	Mali	Diarra	Birama	NDE
25	Mozambique	uaissone	Antonio Jorge Raul	NDE
26	Namibia	Kamwi	Jonathan Mutau	NDE
27	Niger	Kamaye	Mazoo	NDE
28	Nigeria	Okebugwu	Chukwuemeka	NDE
29	Senegal	Youm	Issakha	NDE
30	South Africa	Masoka	Buti Cecil	NDE

31	South Sudan	Samson	David Batali Olivier	NDE
32	Sudan	Ahmed	Ahmed Abdalla Huyam	NDE
33	Togo	Yaou	Mery	NDE
34	Tunisia	Bouzhaya	Fethi	NDE
35	Uganda	Otim	Maxwell Onapa	NDE
36	Zambia	Mr Makayi	Njamba Ben	NDE
37	Zimbabwe	Moyo	Elisha Nyikadzino	NDE
38	Kenya	Jura	Moses Omedi	Advisory Board member
39	Chad	Abakar Souleymane	Hamid Abakar	Advisory Board member
40	ENDA	BA	Libasse	Consortium Partner
41	ENDA	Fall	Samba	Consortium Partner
42	CSIR	Mokotedi	Oscar	Consortium Partner
43	ICRAF	Hassan	Mehmood	Consortium Partner
44	E. Co	Emili	Silvia	Network Member
45	SNV	Sangmor Nyarkotey	Aaron	Network Member
46	Natural Eco Capital	Tua	Eugene	Network Member
47	CTCN	Garg	Rajiv	
48	CTCN	Villatico	Federico	
49	CTCN	Ferrini	Giulia	
50	CTCN	Motty	Monique	
51	CTCN	Sanchez	Bibiana	
52	UNEP	Ying	Zhang	