

## Summary of the Forum for National Designated Entities (NDEs) of the Climate Technology Centre and Network (CTCN)

27-29 September 2016  
Nairobi, Kenya

### Introduction

The Climate technology Centre and Network (CTCN) is the operational arm of the UNFCCC Technology Mechanism mandated to promote the accelerated development and transfer of climate technologies for energy-efficient, low-carbon and climate-resilient development. The CTCN held its annual Forum for National Designated Entities (NDEs) from Anglophone Africa – its third Forum in the region – in Nairobi, Kenya on 27-29 September 2016. The Forum took place in parallel with the SEED Africa Symposium (28-29 September), an annual international forum attended by 500 technology and innovation stakeholders who shared knowledge and experience, established partnerships, and developed solutions to stimulate the growth of social and eco-entrepreneurship across the African continent.

43 participants joined the Forum, including 20 NDEs representatives from 19 countries, CTCN Consortium Partners and Network Members and representatives from the African Development Bank and the Development Bank of Southern Africa.

Mr. Omedi Moses Jura, Kenya's Ministry of Environment, Water and Natural Resources representative and member of the UNFCCC Technology Executive Committee opened the event.

The aim of the Forum was to explore relevant technology opportunities for public and private sector actors in the region covering a broad range of adaptation and mitigation sectors.



**This report summarizes the key points and recommendations from the Forum. The agenda of the forum and the list of participants are annexed to this summary.**



All presentations and pictures are available on the CTCN website: <https://www.ctc-n.org/calendar/events/ctcn-regional-forum-anglophone-africa-0>

For more information about the CTCN, please visit [www.ctc-n.org](http://www.ctc-n.org)

## High-level opening

*Mr. Omedi Moses Jura, Kenya's Ministry of Environment, Water and Natural Resources representative and member of the UNFCCC Technology Executive Committee (TEC)*

- The topics covered in the Forum resonate well with TEC priorities
- The CTCN regional network of NDEs and climate technology stakeholders will be strengthened after the Forum
- Finance is an enabler needed to take good ideas to the next level
- Knowledge is a treasure, but practice is a key to it. CTCN can help translate the knowledge into practice and make action on the ground and make the transformation happen
- It is important that NDEs follow climate change negotiations and mainstream climate technology issues into the negotiations

*Ligia Noronha, Economy Division Director, UN Environment*

- The CTCN has huge potential to help address not only climate issues but also Sustainable Development Goals (SDGs)
- It is important to see where we can build synergies between addressing climate and other development needs
- It is key to be involved in political negotiations because new ideas originate from there
- Focus on knowledge required at all levels, not only government level, but also in sectorial space and at personal level
- Need for identification of technology needs
- Identification of technology needs, replication and scale-up, capacity-building and linking the various focal points are key aspects for technology transfer

*Jukka Uosukainen, CTCN Director*

- CTCN is showing the climate community that there are real technology needs in the countries
- CTCN can help countries turn technology ideas into implementable and bankable projects
- NDEs and their teams need institutional capacity-building to be able to perform their role
- CTCN's financial situation challenging as 99 % of convention went into the Financial Mechanism

## CTCN Overview

### Introduction and Updates

- **The CTCN is the operational arm of the UNFCCC** - the United Nations Framework Convention on Climate Change. Together with the Technology Executive Committee (TEC), the CTCN forms the Technology Mechanism of the UNFCCC, established by the 16<sup>th</sup> session of the Conference of Parties (COP) in Cancun in December 2010.
- **The CTCN is mandated by the Parties of UNFCCC to promote accelerated, diversified and scaled-up transfer of climate technologies through three core functions:** 1) Manage requests from developing countries and deliver responses; 2) Foster collaboration and access to information and knowledge to accelerate technology

transfer; and 3) Strengthen networks, partnerships and capacity building for climate technology transfer.

- **The CTCN is hosted by UNEP, in collaboration with UNIDO, and composed of a Consortium of 12 organizations** from developed and developing countries. This gives the CTCN a strong presence worldwide and enables the Centre to deploy a wide range of expertise on climate technologies in the various sectors of mitigation and adaptation.
- **Beside the Centre, the CTCN relies on a growing network of expert organizations** working on climate technologies worldwide (research institutions, private companies, non-profit organizations, etc.). The list of network members can be found at the following link: <https://www.ctc-n.org/network/network-members>
- **The CTCN provides free technical assistance to developing countries by acting as a matchmaker between country needs and the best available experts** to support the identification, use, deployment and/or transfer of climate technologies for reducing greenhouse gas emissions or increasing resilience to the negative impacts of climate change.
- **CTCN technical assistance is country-driven**, as the assistance provided will be designed based on what countries requested to the CTCN. This approach aims to ensure that the support requested is needed and desired by the country stakeholders and beneficiaries, and that there are clear plans to use the products/results of the assistance.
- **Any organization can formulate a request for assistance to the CTCN.** However, to be accepted by the CTCN, all requests must be endorsed and submitted by NDEs of developing countries. The CTCN will then assess the eligibility of the request submitted based on [criteria](#) defined by its Advisory Board.
- So far, **CTCN received 148 requests from 67 countries** covering various adaptation, mitigation and cross-cutting sectors, including industrial energy efficiency, appliances, district heating and cooling, renewable energy supply side, waste management, post-harvest management, coastal zone protection, ecosystem services, sustainable and smart agriculture, water management and irrigation, climate forecast and early warning, and financing mechanisms.
- **CTCN build developing country capacities on climate technologies through Regional Fora, the Incubator Programme for Least Developed Countries, the Secondment Programme and a series of webinars on climate technologies.** Besides, the CTCN facilitates the creation of an environment conducive to climate technology development and transfer through its CTCN technical assistance services. The majority of requests submitted by developing countries to the CTCN seek support to build their capacities in relation to climate technologies.
- **The CTCN intends to focus its Incubator Programme on the analysis of NDCs and on the identification of technology interventions for NDC implementation**, and to implement the Incubator in Small Island Developing States.

## The Paris Outcome

### Implications for the Technology Mechanism

- **The Paris agreement includes a strong technology mandate:**
  - **Created the Technology Framework** to serve the Paris Agreement
  - **Strengthened the Technology Mechanism** and restated the importance of linkages with the GCF
  - **Enhanced action prioritising technologies that are substantial, scalable and replicable pre-2020**
  - Provided for a **greater focus on research and development**, and endogenous/native technologies

- Technology Framework encouraged to:
  - **Facilitate undertaking and updating TNAs**, and implement their results via bankable projects
  - Provide **enhanced finance** and **technical support**
  - Assess **technologies** that are **ready for transfer**
  - **Enhance enabling environments** for, and address barriers to, development and transfer of environmentally and socially sound technologies
- **Need for well defined, mutually beneficial, and functional linkages between the Technology Mechanism and the Financial Mechanism**

### Implications for the Financial Mechanism

- Paris agreement confirmed **GCF as operating entity of the financial mechanism** of the UNFCCC
- **Challenges in implementing Paris Agreement:**
  - Encourage **transformative pipelines to shift from status quo**. Countries need to determine what paradigm shift means
  - Inclusiveness and diversity at national level – make sure countries are owning journey towards implementation
- **Response to these challenges:**
  - Specific **support for NDC and adaption action**
  - **Project preparation facility** – offering support to advance proposals
  - Developing **Country and Entity “Work Programmes”**
  - Continued readiness support for institutional strengthening, programming, lessons sharing & enhanced implementation
- **Linkages with Technology Mechanism**
  - **Board-level** discussions on fund-to-fund arrangements
  - Enhanced complementarity at **activity level**
  - Coherence at **national programming level**

### Implications for Africa

- **Adaptation key issue for Africa** – reflected in INDCs
- **Africa Adaptation Initiative** is a direct **response to adaptation issues raised at COP**
- **Barriers to addressing loss and damage in Africa:**
  - Limited capacity to articulate adaptation needs
  - Limited capacity to analyse and use climate data and information
  - Weak institutional arrangements to support implementation of comprehensive risk management frameworks
  - Limited capacity to access available resources and develop fundable projects
- **CTCN can help address these barriers through TA**

### **Key points from the discussion**

- NDEs need institutional capacity-building
- NDEs to relay need for institutional CB in the COP
- NDEs have challenges in mobilising NDAs. A portion of GCF readiness funding could be allocated to NDE-NDA coordination and NDEs strengthening
- NDEs interested in sub-regional level meetings to discuss commonalities of TNAs, INDCs

## Adaptation priority sectors: experiences from the region and experts' views

- [Ghana](#) presented a CTCN Technical Assistance request on **drought early warning and forecasting system**. It is expected that CTCN TA will contribute to reduced crop losses and improved livelihood of farmers.
- [Kenya](#) shared a request on water services. CTCN is supporting the Kenyan Water Services Trust Fund identifying and **catalysing low cost green technologies for sustainable water service** delivery in northern Kenya.
- [Namibia](#) presented **lessons learned** from its engagement in CTCN technical assistance for the identification and prioritization of climate change technologies to address water scarcity.
- Consortium Partner ICRAF gave an overview of [agriculture and forestry technologies](#) focusing on climate-smart agriculture practices and explaining how mitigation is the most important adaptation measure.
- ICRAF also presented [water harvesting technologies](#) and approaches focusing on water buffering and groundwater recharge and reuse.

## Mitigation priority sectors: experiences from the region and experts' views

- [Mozambique](#) presented its experience with CTCN TA services focusing on a feasibility study to use **waste as fuel for cement factories**.
- [Uganda](#) shared information on how it received assistance from CTCN to draft a **geothermal energy policy, legal and regulatory framework** with the intent of attracting private sector investments while maintaining cost effective power supply costs.
- [CTCN Network Member Carbon Count](#) explained how it is **supporting Uganda remove financial, institutional and regulatory barriers to unleash its geothermal potential**.
- [Zimbabwe](#) introduced a request for piloting rapid **uptake of industrial energy efficiency and efficient water utilisation** in selected industrial sectors. The request is in line with Intended Nationally Determined Contributions.
- Consortium Partner CSIR presented [mitigation technologies in the energy, waste and transport sector](#).
- Consortium Partner ECN presented **mitigation technologies** in the energy sector focusing on [solar PV](#) and presenting a case study on CTCN TA to Algeria.

### Key points from the discussion

- Need for enabling the NDE to monitor the TAs (funding for project management needed)
- Need to support local national technology transfer
- CTCN TA can unlock resources to cover components not covered by the TA
- CTCN can support regional proposals that would solve regional climate change issues
- CTCN will do its best to expedite implementation of technical assistance requests

## Linking the Technology and Financial Mechanisms

### [African Development Bank: climate technology projects in the region](#)

- Approved in July 2014 as a **pilot for CTCN** and financed from the GEF Trust Fund, the **Africa Climate Technology Centre (ACTC)** project focuses on the energy and water sectors
- **Support SSA Countries in scaling-up the deployment of climate technologies through:**
  - 1) Networking and knowledge dissemination
  - 2) Enabling environment activities (regulatory and institutional reforms)
  - 3) Integrating climate technologies into investment programmes
- Good progress underway under the three components
- **Opportunities for collaboration with CTCN**
  - Sharing of assistance requests;
  - Collaboration on the implementation of technical assistance in SSA;
  - Collaboration on meetings/forums/workshops/trainings on climate technology transfer and receptivity in Africa;
  - Co-authoring of knowledge products on technology transfer and climate finance;
  - Build awareness amongst African partners on the opportunities of support under both CTCN and ACTC.

### [Development Bank of Southern Africa: how to develop bankable projects](#)

- **DBSA's Project Preparation Unit (PPU) identifies and prepares projects to bankability stage**
- Sectorial focus:
  - Energy –renewable energy and energy efficiency
  - Water and Sanitation –Opportunities to support water savings programmes
  - Transport–mass transit, alternative fuels
  - ICT – e.g. adaptation project opportunities in Africa sub-Saharan countries
  - Social sector–housing, education, health
- **DBSA is a GEF and GCF accredited entity**

### [Green Climate Fund: Updates and Priorities](#)

- **Readiness**
  - Focus of the fund since the beginning
  - 141 NDAs 106 readiness requests of which 51 approved
  - 30 M committed
  - Free accreditation support
  - Focus on sharing information and lessons
- **Accreditation**
  - 33 accredited entities – no limit for number of accredited entities per country
  - 10.3 billion pledges, 60% signed contribution
  - Target 2.5 billion per year

- **Priorities**
  - 168 million committed
  - **38% portfolio is Africa-based**
- **Project preparation facility**
  - Especially micro to small size project, 1.5 M per project
  - Approval process – NDA key role

### [Kenyan Climate Innovation Centres: support to innovative businesses for climate technologies](#)

- **KCIC provides incubation, CB services and financing to SMES developing climate mitigation / adaptation solutions**
- Focus on **renewable energy, agribusiness, water management**
- Over 135 businesses being incubated
- Services provided include finance, advisory services (business training), enabling environment (policy support), access to information (for enterprises and general public) and access to facilities (testing services)

### [Carbon Africa Limited: voluntary carbon markets in African countries](#)

- Climate finance advisory and project development firm
- **Various climate finance opportunities available globally:**
  - Result Based Finance
  - CDM Carbon Credits
  - Financing Mechanisms (NAMA facility)
  - Funds (GCF, sector specific funds)
- Advised stakeholders in Mozambique around waste management project through CTCN to develop something beyond project level
- Thanks to CTCN pre-feasibility funding, Nama facility application to get top-up finance

### **Key points from the discussion**

- NDE welcome to open relationship with GCF accredited entities and NDA to understand which projects to prioritise; it is important to engage NDAs at an early stage
- It is important that NDE know about AfDB call for proposals for TA
- NDEs encouraged to contact SE4All focal points (serving as AfDB focal points for Africa Climate Technology Centre (ACTC))
- GCF NDAs need to absorb the work of TNAs and NDEs
- CTCN will share a success story of support to NDA on a request put forward by NDE
- DBSA will involve NDEs when communicating with NDAs



## Network Session

### Case studies from Network Members

- Carbon Trust gave a presentation on the [Private Sector Energy Efficiency Programme in South Africa](#)
- Carbonium presented a case study on [mitigation and waste management in Nairobi](#)
- Promethium Carbon introduced a [gas engines project in South Africa](#)
- Kenya National Cleaner Production Centre (KNCPC) shared experience in scaling up [energy efficiency and fuel switch in the tea sector in Kenya](#)
- The World Intellectual Property Organisation (WIPO) presented [Wipo Green](#), an interactive marketplace that promotes innovation and diffusion of green technologies

### Opening of SEED Africa Symposium 2016 and Panel Discussions

Rainer Agster, SEED, Adelphi welcomed participants to the 2016 edition of the SEED Africa Symposium.

- The **SEED Africa Symposium** is an **annual international forum for sharing knowledge and experience, establishing partnerships, and developing solutions** to stimulate the growth of social and eco-entrepreneurship across the African continent.
- This year's topic **From Innovation to Imitation** brought together around 500 enterprises, researchers, practitioners, investors, policy makers and representatives of the civil society to discuss how we could collaboratively utilize the replication of business models for successfully contributing to green growth and sustainable development in Africa.

Ligia Noronha, UN Environment Economy Division opened the SEED Africa Symposium 2016.

- **SEED is a key component of UN Environment's vision for sustainable development**
- Inclusive green economy covers not only green investment and resource efficient production but also sustainable consumption and inclusive outputs
- **Importance of knowledge**, need for knowledge ropes to connect different levels (federal, national, regional)
- Replication as an alternative to scale-up? Two sides of the same coin, companies are driven by replication, governments by scale
- No one should be ashamed of copying what is working in another country and adapt it to local conditions

Participants actively attended two panel discussions, one on the role of replication in creating impact and one on the role of innovation in replication.

## CTCN/ SEED: Parallel Session Technology Transfer through Public Private Collaboration

Led by CTCN strategic partner DNV GL, the session aimed at increase the dialogue between private sector and NDEs. It was open to CTCN Forum and SEED Africa Symposium participants.

WIPO updated participants on the **CTCN stakeholder forum** 'Facilitating Transfer of Climate Technologies in East Africa' held in Nairobi in April 2016 with the goal of addressing gaps and barriers among key stakeholders and realizing scalable climate change projects.

Participants in the CTCN-SEED joint session were divided into groups, each focusing on a specific sector: Water, Agriculture, Forestry, and Energy and were requested to:

- Select a barrier or a problem to technology transfer in the sector
- Identify technology solutions that can overcome the barrier
- Explain what stops these solutions to be deployed / scaled up at a higher level
- Provide recommendations to the CTCN on how it can help

While focusing on specific sectors, participants identified **common barriers to technology transfer**:

- Lack of human capacity
- Technology services not available locally
- Companies not familiar with the market and business
- Lack of capacity to adapt the technology to local conditions
- Inadequate capacity to identify and maintain the technology
- Lack of appropriate standards, policies and regulations
- Limited of awareness

**CTCN could help overcome these barriers by:**

- Helping structure Public-Private Partnerships
- Help drafting / reviewing sector-specific policies
- Facilitate dialogue between NDE/NDA to identify financing for climate technology projects
- Sensitise the private sector by creating a dedicated information package / facilitate stakeholders forums to allow the private sector to understand business opportunities
- Build capacities in integrating climate change issues into sectoral plans
- Build capacities in financial mobilisation
- Facilitate matchmaking to help countries acquire sector specific expertise
- Help develop strong business plans

### Key points from the discussion

- Human capacity is key to technology transfer
- Information sharing and networking can help remove barriers to technology transfer
- Localised outreach is essential
- Patents are not a barrier for technology transfer, only 1% of the technologies is patented

## **REN21 Eastern African Community Renewable Energy & Energy Efficiency Report**

- Data is crucial to attracting investment
- **1/3 of world solar PV capacity installed in the last three years**
- 147 gigawatts (GW) of renewable power capacity added in 2015, the largest annual increase ever
- **Developing countries are leading the RE transition**
- **Policy and regulatory frameworks crucial for RE investments**
- 173 countries had renewable energy targets, and an estimated 146 countries had renewable energy support policies but no clarity on how targets will be implemented and monitored
- Africa has a huge potential for RE but it's difficult to draw a comprehensive image due to lack of data

### **Open Q&A Session and concluding remarks**

#### **Key points from the discussion**

- CTCN as common effort, it cannot work without NDEs
- NDEs have capacity-building constraints. They need enhanced skills, knowledge and technologies from other countries to implement their NDCs
- It is hoped that in Marrakech linkages between Technology and Capacity Building Mechanisms will be defined, so far discussions on the Capacity Building Mechanism did not cover technology
- It is crucial to ensure all the projects have real impact
- NDEs are interested in having more opportunities to meet and interact with each other, as well as the opportunity to attend COPs and technology-related negotiations

**The CTCN team remains available to answer any questions related to the CTCN. Feel free to contact us at [ctcn@unep.org](mailto:ctcn@unep.org).**

## **Annex 1 - Annotated Agenda**

### **CTCN Regional Forum for National Designated Entities**

**Region: Anglophone Africa**

**Date: 27-29 September 2016**

**Venue: Safari Park Hotel - Nairobi, Kenya**

#### **Objectives**

- Develop and strengthen the regional network of National Designated Entities (NDEs), and their relationship with other technology stakeholders;
- Share experiences on:
  - o NDEs set-up and activities at national level
  - o Use of CTCN Technical Assistance, and other CTCN services;
- Discuss the Paris Outcome in relation to Technology Transfer and its implications for the Technology Mechanism
- Present the CTCN and its services; describe and clarify NDE roles and responsibilities, as well the processes to submit requests for technical assistance to the CTCN;
- Present technology-related thematic priorities and best practices on technical assistance from the region;
- Facilitate linkages between CTCN technical assistance and financial mechanisms, financiers and institutions that are relevant to Climate Technologies, with a view to identify matchmaking opportunities to secure funding for follow-up actions to CTCN requests or other climate technology activities.

#### **Participants** (*approx. 50*)

- NDEs from Anglophone Africa
- CTCN Staff and Consortium partners
- Representatives from Financial Institutions
- Climate Technology Network members from within the region, and potential members
- Host Government representatives

#### **Methodology**

- Presentations, group exercises, and group discussions – possibly supplemented by e-courses, and/or webinars in the following months.
- PLEASE NOTE that all discussions and presentations of the forum will be conducted in English

DAY 1 – 27 September Ivory Room		
Time	Session	Speaker
9:00 - 10:00	<b>Opening of Regional Forum for NDEs</b> <ul style="list-style-type: none"> <li>- Welcoming remarks from the Government of Kenya</li> <li>- Opening speech on behalf of CTCN Advisory Board</li> <li>- Welcoming remarks from UNEP DTIE Director</li> <li>- Welcoming remarks from CTCN Director</li> </ul> <p>Round of introductions for all participants</p>	M. Omedi, Government of Kenya / Technology Executive Committee L. Noronha, UNEP DTIE Director J. Uosukainen, CTCN Director
10:00 - 10:30	<b>Group and Tea/Coffee Break</b>	
10:30 - 11:00	<b>Session 1 - CTCN Introduction and Updates</b> <ul style="list-style-type: none"> <li>- Presentation on CTCN's history, mission, structure</li> <li>- Updates and achievements under the 3 core services of the CTCN</li> </ul> <p>Discussion / Q&amp;A</p>	R. Garg, CTCN
11:00 - 12:30	<b>Session 2 - The Paris Outcome</b> Panel discussion on: <ul style="list-style-type: none"> <li>- Implications for the Technology Mechanism</li> <li>- Implications for the Financial Mechanism</li> <li>- Implications for Africa</li> </ul> <p>Discussion / Q&amp;A</p>	V. Hecl, UNFCCC C. Naidoo, GCF T. Ndarana, CSIR
12:30 - 13:30	<b>Lunch ( Café Kigawa)</b>	
13:30 - 15:30	<b>Session 3 – Adaptation priority sectors: experiences from the region and experts’ views</b> <ul style="list-style-type: none"> <li>- Presentation on NDEs’ and CPs experience on requests from priority sectors</li> <li>- Experts presentation on priority technologies / sectors</li> </ul> <p>Discussion / Q&amp;A</p>	NDEs from Ghana, Kenya, Namibia H. Neufeldt, ICRAF M. Malesu, ICRAF M. Marshall, ICRAF
15:30 - 16:00	<b>Tea/Coffee Break</b>	
16:00 - 17:30	<b>Session 4 - Mitigation priority sectors: experiences from the region and experts’ views</b> <ul style="list-style-type: none"> <li>- Presentation on NDEs’ and CPs experience on requests from priority sectors</li> <li>- Experts presentation on priority technologies / sectors</li> </ul> <p>Discussion / Q&amp;A</p>	NDEs from Mozambique, Uganda, Zimbabwe T. Ndarana, CSIR M. Spath, ECN
17:30 - 18:00	<b>Wrap-up day 1</b>	J. Uosukainen, CTCN

<b>DAY 2 – 28 September</b>		
<b>Ivory Room (morning) / Jambo Room (afternoon)</b>		
<b>Time</b>	<b>Session</b>	<b>Speaker</b>
<b>08:30 – 09:00</b>	<b>Networking Breakfast (Jambo Foyer)</b>	
<b>09:00 – 10:30</b>	<b>Session 5 – Linking the Technology and Financial Mechanisms</b> <ul style="list-style-type: none"> <li>- African Development Bank: climate technology projects in the region</li> <li>- Development Bank of Southern Africa: how to develop bankable projects</li> <li>- Carbon Africa Limited: voluntary carbon markets in African countries</li> <li>- Kenyan Climate Innovation Centres: support to innovative businesses for climate technologies</li> <li>- Green Climate Fund: updates and priorities</li> <li>- CTCN cooperation with multilateral finance agencies</li> </ul> Discussion / Q&A	D. Schroth, AfDB E. Maitho, DBSA E. Mungai, Kenya CIC C. Naidoo, GCF T. Cowman, Carbon Africa Limited R. Garg, CTCN
<b>10:30 – 11:00</b>	<b>Coffee / Tea Break (outside Ivory)</b>	
<b>11:00 – 12:30</b>	<b>Session 6 – Climate Technology Network</b> <ul style="list-style-type: none"> <li>- Presentation on CTCN Climate Technology Network</li> <li>- Presentation from Network members on case studies related to climate technologies in the region / showcasing specific technologies</li> <li>- Discussion on opportunities for South-South Cooperation</li> </ul>	CTCN Network Members: Carbonium Promethium Carbon Kenya National Cleaner Production Centre (KNPCPC) Wipo Green
<b>12:30 – 14:00</b>	<b>Lunch (Nyama Choma Ranch)</b>	
<b>14:00 – 14:30</b>	<b>Opening of SEED Africa Symposium 2016</b>	L. Noronha, UNEP DTIE R. Agster, SEED, adelphi
<b>14:30 – 14:45</b>	<b>SEED: Enterprise Pitches – Sector Manufacturing</b>	
<b>14:45 – 15:45</b>	<b>SEED: Panel &amp; Roundtable Discussion I</b> An Alternative to Scale-up? The Role of Replication in creating impact.	L. D. Williams, Impact Hub R. Stamhuis, Jiro Ve
<b>15:45 – 16:30</b>	<b>Tea/Coffee Break (Jambo Foyer)</b>	
<b>16:30 – 17:00</b>	<b>SEED: Enterprise Pitches – Sector Agriculture</b>	
<b>17:00 – 18:00</b>	<b>SEED: Panel &amp; Roundtable Discussion II</b> When to copy and when to innovate? The Role of Innovation in Replication	N. Ekekwe, African Institute of Technology F. Neil Yiga, Anuel Energy H. Schützeichel, Solar Federation J.Uosukainen, CTCN
<b>18:00 – 18:15</b>	<b>SEED: Enterprise Pitches – Sector Waste Management</b>	
<b>18:15 – 18:45</b>	<b>SEED: Networking &amp; South-South Exhibition</b>	
<b>19:00 – 19:30</b>	<b>SEED: Award Ceremony</b>	
<b>19:30 – 20:30</b>	<b>SEED Networking Reception (Mamta Pool Area)</b>	

<b>DAY 3 – 29 September</b>				
<b>Jambo I (morning) / Ivory Room (afternoon)</b>				
<b>Time</b>	<b>Session</b>			<b>Speaker</b>
<b>08:30 – 09:00</b>	<b>Networking Breakfast (Jambo Foyer)</b>			
<b>9:00 – 12:00</b>	<b>CTCN/ SEED: Parallel Session Technology Transfer through Public Private Collaboration</b>			E. Aalders, M. Rinaldo, DNV GL A. Onyuka / C. Moturi, NDE Kenya G. Banaga-Baingi, Ministry of Energy and Mineral Development Uganda Y. Baykal, WIPO K. Mbondo (tbc), Proactive Merit
<b>12:00 – 13:30</b>	<b>Lunch (Nyama Choma Ranch)</b>			
<b>13:30 – 14:00</b>	<b>Session 7 - REN21 Eastern African Community Renewable Energy &amp; Energy Efficiency Report</b>			R. Adib, REN 21
<b>14:00 – 15:00</b>	<b>Open Q&amp;A Session</b> Participants have the opportunities to ask questions to CTCN Staff, Consortium Partners, Network Members, financial institution representatives on topics addressed during the Forum			R. Garg, CTCN J. Uosukainen, CTCN
<b>15:00– 15:15</b>	<b>Wrap-up and Closure</b>			J. Uosukainen, CTCN
<b>15:30 – 16:00</b>	<b>Tea/Coffee Break (outside Ivory)</b>			
<b>16:00 – 17:30</b>	<b>CTCN Help Desk</b> CTCN staff answers questions related to TA process, NDE role, and any other questions participants may have	<b>Bilateral meetings with CTCN Director &amp; team</b> Upon request. Please write to <a href="mailto:Giulia.ferrini@unep.org">Giulia.ferrini@ unep.org</a> to book a time slot)	<b>Separate session on Incubator Programme with NDEs from LDCs</b>	

## Annex 2 – List of Participants

Country / Organisation	Name	Type of Institution	Email
Botswana	Penny Lesolle	NDE team	plesolle@bitri.co.bw, plesolle@gmail.com
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Ghana	Joseph Amankwa Baffoe	NDE team	jabaffoe@gmail.com
Kenya	Moses Omedi	Kenya Ministry of Ministry of Environment, Water and Natural Resources	
Kenya	Arthur Onyuka	NDE team	dir@kirdi.go.ke, arthuronyuka@hotmail.com
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