UN Climate Technology Centre & Network

United Nations Climate Change
Paris Committee on Capacity-building

2022 Durban Forum Deep Dive

Panel Discussion CTCN
Nadège Trocellier

www.ctc-n.org

1 - How are you envisioning your work related to innovation to be more effective in the next period ?

Innovation in Africa by youth in “Africa Innovates Magazine”

There are several factors that influence the proliferation of technologies and prevent them from competing in the marketplace and achieving the necessary deployment.
Such factors are attributed to the **environment** in which they take place and often are **dependent on the people, systems, techniques and knowledge and overall conditions that are required for mass uptake and deployment**.
The barriers and obstacles that are encountered and the tools to enable full transfer differs significantly across countries.
They often include regulatory barriers, a lack of information and policy uncertainty.

Climate technology diffusion can be enhanced by action that erodes such barriers.

Congo: using QR codes to clean up cities

An app for municipal collection routes developed in Congo following their participation to the Youth Climate Innovation Labs Demo Day 2021, organized by the CTCN in partnership with SAFEEM and Seedstars and funded by the European Union.

Photo credit: Emmanuel Mukadi (LinkedIn)

"I hate how my city looks. Honestly it looks like Armageddon. By 2025, Africa will have generated 244 million tons of waste per year. Less than 10% of that waste gets collected."

Emmanuel Mukadi, SimplifiedWaste founder

Photo credit: SimplifiedWaste

USING RFID TECHNOLOGY TO CLEAN UP CITIES IN CONGO

Malawi, Kenya, Namibia and South Sudan: Digitalization to drive land restoration efforts

A digital platform to connect individuals, companies and organizations to local project developers driving land restoration efforts

Afri-Carbon pay was founded in 2020 by Tonthoza Uganja, Cecil Chikezie and Agnes Shivute during the climate innovation labs. Together, they pooled ideas for finding a solution to deforestation for their countries – Malawi, Kenya, Namibia and South Sudan. Providing a technological climate solution to deforestation, the team developed a digital platform to connect individuals, companies and organizations to local project developers driving land restoration efforts in Sub-Saharan Africa.

The startup was recently selected to participate in the Youth Climate Innovation Labs, a programme jointly implemented by the CTCN and Seedstars.

> "We want to utilize technology to make forest restoration easy and provide support to companies and individuals seeking climate-smart solutions and a resilient, sustainable future. With our planet warming up and our future linked to the restoration and conservation of forests, we need to heal ecosystems and transform communities."
>
> *Tonthoza Uganja*
> *Afri-Carbon co-founder*

> "Our goal is to restore the degrading forest resources in Sub-Saharan Africa. The tropical and sub-tropical forests of Sub-Saharan Africa have proven to be one of the most efficient sinks of carbon."
>
> *Tonthoza Uganja*
> *Afri-Carbon co-founder*

Community-based Smart Microgrids in Sub Saharian Africa

An innovative distributed smart microgrid system which enables energy sharing and trading, giving more people a stake in enhancing clean energy access.

Community-based Smart Microgrids participated in the 2021 Youth Climate Innovations Lab Demo Day. The CTCN Youth Climate Academy is a program focused on helping idea-stage companies develop, implement and scale their solutions for climate action. The program is organized by the UN Climate Technology Centre and Network (CTCN) in partnership with SAFEEM and Seedstars, and funded by the European Union. In 2021, eleven startups specialized in energy sustainability, electricity, food, agriculture, deforestation, environment, and waste management pitched their solutions at the Youth Climate Innovation Lab Demo Day.

"We are taking action against energy poverty in Africa, working to defeat environmental challenges on the continent."

Nonso Asuoha, Community-Based Microgrids CEO

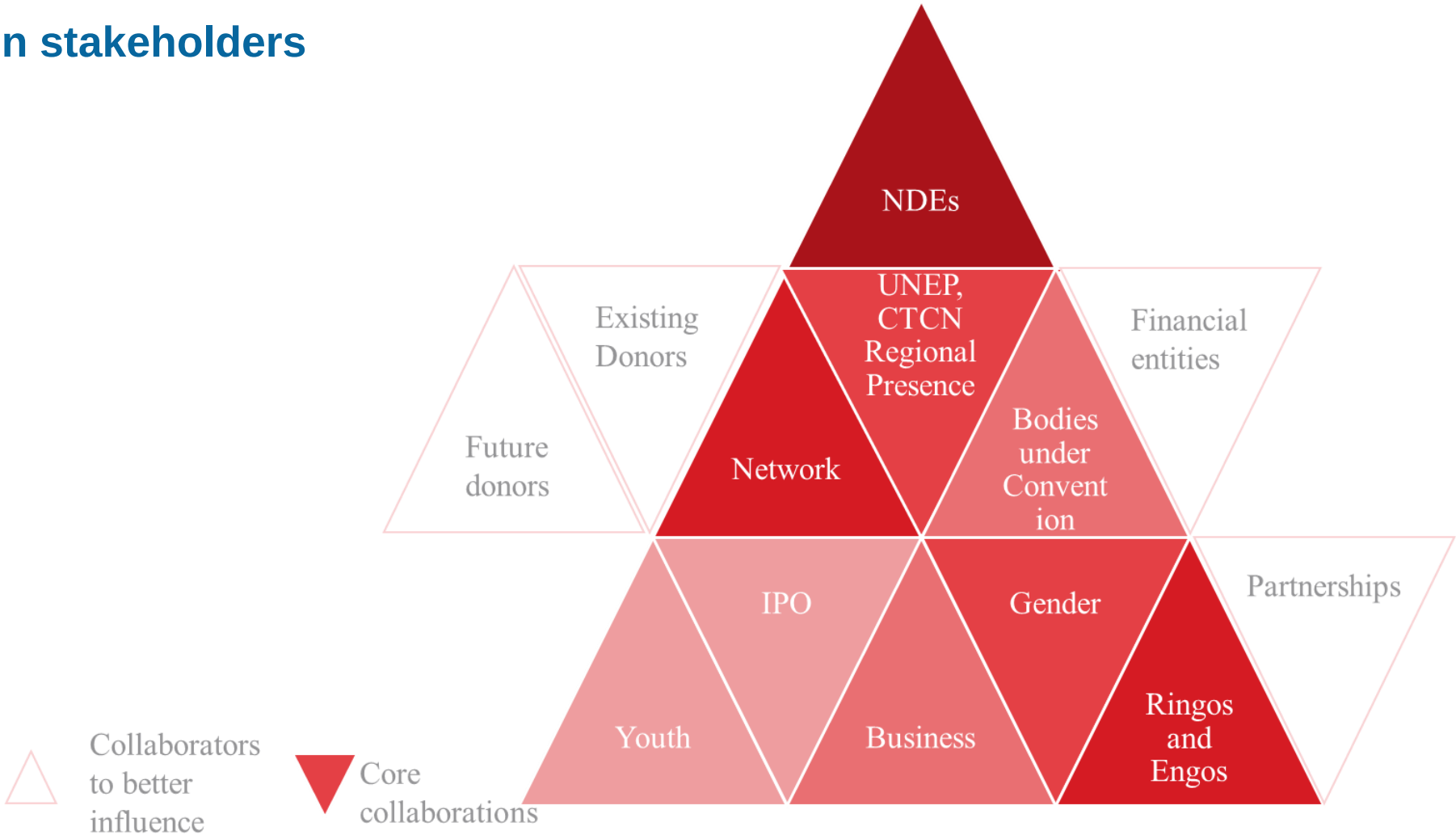
Main objectives of CTCN´s the new POW

1. Countries can accelerate innovation at different stages of the technology cycle through collaborative approaches.
2. Countries have clear pathways and options to enhance technology development and transfer
3. Countries have enhanced enabling environments, including policy and regulatory environments to develop, transfer and deploy climate technologies
4. Stakeholders are actively engaged and have strengthened capacity to implement climate action through collaboration
5. Countries have access to Technical Assistance and financial support to enhance development and transfer of gender responsive technologies

2 - INNOVATION AND CAPACITY BUILDING

Creation of a new PoW in a collaborative manner

CTCN main stakeholders



Innovation

Discussion

1. How can the CTCN best support the identification of priority needs?

2. Which trends and regional priorities or topics should the CTCN should focus on over the coming 5 years?

3. How can the CTCN best play a role in the promotion of innovation in your region? Is it through promotion of collaborative R&D or facilitating access to early-stage technology development?

Implementation

Discussion

1. What can the CTCN do to scale up its initiatives or services? and drive transformational change and impact as envisaged in the Paris Agreement?
2. How can the CTCN best build scale and enhance its impact in your region?
3. What are the key steps that CTCN needs to put in place to ensure it achieves its impact over the next 5 years?
4. What does this impact or success look like?
5. How can the CTCN enhance the implementation of TNA results through TAPs and ideas? How can the CTCN best scale up its work?
6. How do you envisage the CTCN role in the implementation of NDCs and climate plans in the following 5 years? What are the main barriers that could hinder this implementation?
7. How can the CTCN facilitate links between the Financial Mechanism and the Technology Mechanism?

Capacity building & stakeholder engagement

Discussion

1. How do you see the approach of the CTCN in the following 5 years to ensure the establishment of national systems of innovation/ enabling environment and capacity building toward climate action?
2. What are the major barriers being experienced to the deployment/ acceleration of environmentally sound technologies in your region?
3. How can the CTCN best stimulate the building of indigenous knowledge and promotion of endogenous capabilities?
4. How do you see the approach of technical assistance in the following 5 years to ensure an effective collaboration and stakeholder engagement?
5. How can we strengthen synergies across UNFCCC focal points?
6. How can the CTCN best strengthen cooperative action?

Support

Discussion

1. Which current or new arrangements and services should be included in the 5 years CTCN Programme of work to foster the technology assistance support? (This includes financing)
2. What approaches could the CTCN consider to promote and enhance voluntary private sector involvement?

CTCN

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Thank you. Questions?

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