

CLIMATE TECHNOLOGY CENTRE & NETWORK



CTCN

Africa Climate Week 2021

CTCN Africa Overview

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Structure of Presentation

- 1/ Overview of the work achieved by the CTCN globally and in Africa
- 2/ Technical requests – Examples of some concluded good requests
- 3/ CTCN Focus for future
- 4/ Some highlights for the CTCN in 2021

Countries Receiving Technical Assistance

The CTCN delivery model is fit for Purpose



Click to add text

100+ countries

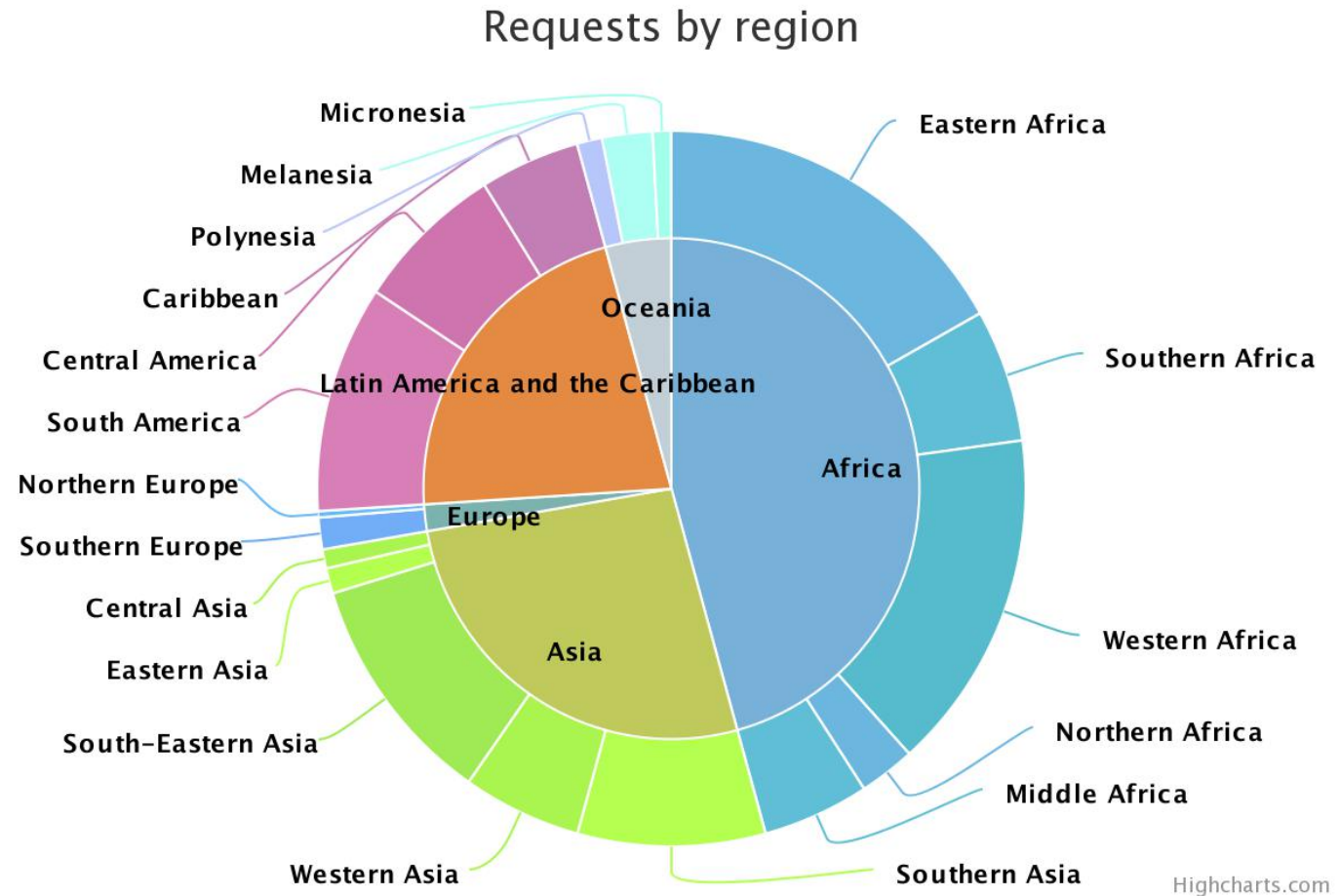
321 technology transfer interventions

\$250,000 cap per TA

Requests for TA by region and subregion

The regional distribution of technical assistance demand:

- **46% per cent of requests from Africa,**
- 31 per cent from Asia-Pacific,
- 21 per cent from Latin America and the Caribbean and
- 2% from Eastern Europe.
- **Requests from Least Developed Countries (LDCs) represent 32% of all TA requests,**
- while Small Island Developing States (SIDS) represent 13%.



Distribution of TA requests by type of assistance

- In 2021, 48% of requests support mitigation goals, 28% adaptation goals, and 24% support a combination of adaptation and mitigation goals.
- The three largest categories for mitigation requests relate to energy efficiency, renewable energy and agriculture.
- In contrast, the largest adaptation categories are water (which grew in importance), agriculture and forestry and early warning and environmental assessment.
- Requests for decision-making or information tools (25.4 per cent) are received most frequently, followed by requests for technology feasibility studies (20.3 per cent) and technology identification and prioritization (16.3 per cent).

Distribution of Network Members by Type of Expertise

380

Knowledge
Management

208

Technology
Development/
Transfer

380

Policy &
Planning

200

Collaboration
in Innovation

341

Capacity
Building

175

Investments

Africa

2/ Technical requests
Examples of some
concluded good requests



 Countries that received technical assistance

CTCN Focus

1. Focus on interventions that elicit positive transformational changes with large-scale impacts
2. Programmatic responses that are at scale and respond to a sector where there is demand
3. Technology matchmaking
4. Developing local markets
5. Policy, regulatory frameworks and standards
6. No one-size fits all: multi-pronged approach

SUDAN

Developing methodology and capacity for monitoring climate change and its impacts on agriculture through Earth Observations in Sudan



ESWATINI

**Strengthening
the National
Disaster
Management
Agency's
(NDMA)
application of
UAV and Remote
sensing
technology for
vulnerability
assessments
and response
planning**



DJIBOUTI, ETHIOPIA,
KENYA, RWANDA,
TANZANIA, UGANDA

**Identification of
the most
suitable direct
use applications
and
technologies in
low to medium
temperature
geothermal
systems in six
African
countries**



DJIBOUTI, ETHIOPIA,
KENYA, RWANDA,
TANZANIA, UGANDA

Study on the valorization of forest biomass waste into energy



Biomass arrives at
the Hub in clean dry
bundles, sorted by
species



It is passed through a
chipper to reduce the
volume for transport o
the factory



Fines are controlled
for moisture and
pressed through a
die, causing the
lignins in the wood
to plasticize and
hold the form of
pellet

Technology Needs Assessment and NDC

- Eight countries received support from the CTCN to conduct their respective TNAs and TAP.
- The CTCN collaborated with the University of Michigan, to conduct an in-depth analysis of technology needs identified in updated NDC submissions. As part of the collaboration, an interactive tool was developed to view the relationships between NDC technologies by country. The tool will soon be made public.

Adaptation Fund's 5 million USD Climate Innovation Accelerator programme (AFCIA)



Focus on Africa region

First Call for projects

- 26 applications deemed eligible
- 2 projects selected for implementation (Burundi and Liberia)

Second call for projects

- 69 applications deemed eligible
- 7 projects pre-selected
- 3 approved (Mozambique, Zambia and Ghana)
- 4 under discussion with the countries.



2021 Africa Highlights

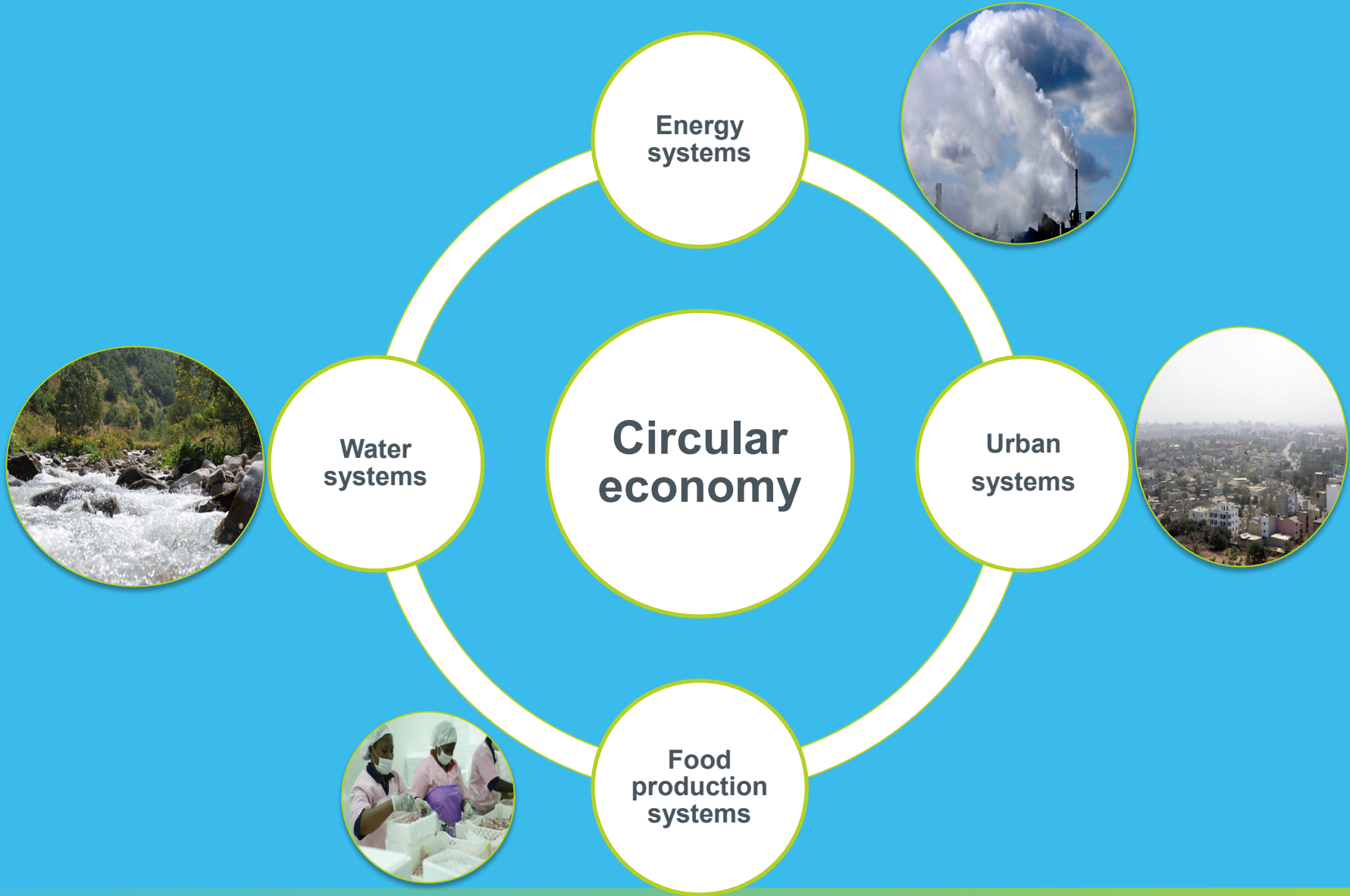
- CTCN has received requests from **MALI, BURKINA FASO, NIGER, BURUNDI, LIBERIA for the first time**. All these requests have been approved and are either at implementation, tendering or drafting process. Thank you for your trust!
- The CTCN and the West African Development Bank (BOAD) collaborated on the development of a GCF concept note on enhancing climate information, knowledge services and climate-resilient infrastructure to build resilient livelihoods amongst agricultural communities in 5-6 countries in the Sahel region.

Capacity Building

- Organization of a course "**Emerging Digital Technologies for Climate Policy Implementation**" in collaboration with Blockchain and Climate Institute (BCI)
- 5-weeks online course for NDEs to provide an introduction to blockchain solutions and other emerging technologies for climate action
- Timeline: September – October 2021
- Number of participants: 98 (54 from Africa)
- Number of countries participating: 58 (35 from Africa)



Future Focus : Where the transformational changes need to take place



Some Specific Technology Demand Focus Area

- eMobility : policies for use of bidirectional charging as back up for outages as disaster preparedness
- Zero emission Buildings : Use of IoT, Hydrogen for district heating, Solar net metering etc.
- Blockchain Technology
- Green Hydrogen : Vision and Strategy, policy , technology and application areas
- Circular Economy Roadmaps
- Carbon capture and utilization
- National system of Innovation , Technology Incubators and SMEs
- Digital Technological Transformation , eg for Agriculture Sector- Use of UAVs for crop and pest management, fertilizer application , adaptation planning, soil mapping , sensor-based irrigation, information systems etc.



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Thank you!



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