Lessons emerging from AFCIA

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mission:

to promote the accelerated development and transfer of climate technologies for energy-efficient, low-carbon and climate-resilient development, at the request of developing countries.
106 countries served through their NDEs

650 technology providers
Flagship initiatives – Innovation

Two 3-day online events bringing youth innovators together with local SMEs and innovation experts to utilize innovative design thinking tools and create solutions for enhanced climate action.

11 startups were selected to participate in the Youth Innovation Academy to incubate their solutions in 2021.

Scale up innovative adaptation practices, products and technologies.

Almost 200 requests for support received from 63 countries (49% from LDCs) – capacity to respond to 25 requests.

Leveraging funding through the Financial Mechanism to foster RD&D and Innovation

Increase the resilience of three medium-sized cities through improved capital expenditure planning and innovative private financing mechanisms.
Adaptation Fund Climate Innovation Accelerator

AFCIA

2021 AF Workshop on Innovation in Adaptation
A 5 year, USD 10 Million Adaptation Fund pilot grant innovation programme co-managed by UNEP CTCN and UNDP (+ USD 10 Mill-EU; 1 Mill-CTCN) to support innovation for effective, long-term adaptation in developing countries.

UNEP-CTCN AFCIA programme at a glance

- **Objective:** Support for developing countries to test, evaluate, roll out and scale up innovative adaptation practices, products and technologies
- **Budget:** USD 5 million (AF) + USD 1 million (CTCN co-funding)
- **Implementation:** 25 TA projects (up to USD 250,000 each)
- **Knowledge sharing / learning**

Access directly AFCIA via the link: [https://www.ctc-n.org/afcia](https://www.ctc-n.org/afcia)
Who can apply?

- **Eligible countries** are *developing countries* in Asia-Pacific, Latin America and Caribbean (LAC) and Africa *without direct access to the AF funds* (i.e. *without* National Implementing Entities (NIEs) accredited with the AF)

- **Applicants** can be Governments, non-governmental organisations, community groups, private sector, young innovators and other groups

- Applications (technology concepts) need to be **endorsed by the national focal points** to the AF (Designated Authority) and the CTCN (National Designated Entity, NDE), ensuring alignment with national climate adaptation priorities

  * A *project proponent cannot be the implementer of the project*
What is UNEP-CTCN AFCIA looking for in applications?

• Propose to test or scale up innovative climate technologies in their specific contexts
• Contribute to national adaptation priorities (NDC/NAP)
• Potential for replication / scale-up
• Well-defined problem, clearly linked to climate change
• Proposed activities are aligned with the CTCN’s mandate
• Priority given to LDCs/SIDS

3 elements considered to identify and assess innovation in adaptation technology:

- A new, existing or improved technology
- A scalable technology
- A hard or soft technology
Interested parties in developing countries contact their national focal points - National Designated Entity (NDE) and in AFCIA the AF DA to request endorsement.

The NDE and DA confirm the alignment of the request with its national climate priorities.

The CTCN collaborates with the NDE, DA and applicants to develop a tailored technology transfer plan.

The Climate Technology Centre selects a Network member to implement the technology solution.

1. Submission of Technology concept
2. Selection of Technology concept
3. Development Project Concept Note (TA response plan)
4. Implementation of AFCIA TA
Overview of 1<sup>st</sup> and 2<sup>nd</sup> round of AFCIA calls

Type of the technical assistance services (as an example)

- Decision-making tools and/or information provision
- Feasibility of technology options
- Financing facilitation
- Piloting and deployment of technologies in local conditions
- Private sector engagement and market creation
- Technology identification and prioritization

Number of Submissions

1<sup>st</sup> call: 71
2<sup>nd</sup> call: 118
T = 189

52% LDC/SIDS
Overview of 1st and 2nd round of AFCIA calls

### Regional Distribution

- **Africa**: 35% (66)
- **Asia-Pacific**: 56% (105)
- **LAC**: 8.5% (16)

### Sectoral Focus

- Coastal zone management
- Marine and fishery
- Urban development (resilience)
- Forests
- Disaster risk reduction
- Human health
- Water management
- Food security
- Rural development (resilience)
- Agriculture
What are we learning with AFCIA ?..

- There is a large appetite and need for adaptation-related technical assistance in developing countries.

- Developing countries continue to need support to articulate their adaptation technology demands, in particular LDCs and SIDS.

- Initiatives to improve capacity to identify and assess innovative adaptation practices, products and technologies, targeting LDCs and SIDs, need to be rolled out.

- Guidance on the application submission process needs to continue to be provided to the NDEs and the Designated Authorities, as well as potential applicants in developing countries.

- Where applications are cross sectoral in nature, a combination of adaptation and mitigation technologies should be considered/encouraged to generate transformative impact.
The website hosts nearly 17,000 publications, case studies, tools and webinars on climate change adaptation and mitigation, women and gender, etc.

Access directly AFCIA via the link: https://www.ctc-n.org/afcia

CTCN website (www.ctc-n.org)

3rd AFCIA Call is coming up in early 2022.

Explore opportunities..
Contact us..
Thank you

Email: clara.landeiro@un.org

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How to apply

- Access to the programme webpage
  - Direct access via a link: [https://www.ctc-n.org/afcia](https://www.ctc-n.org/afcia)
  - Access via the CTCN website: [https://www.ctc-n.org](https://www.ctc-n.org)
    - (Option 1) Direct links to the programme webpage
    - (Option 2) Tool bar ‘Technical Assistance’ - ‘AFCIA’
Where to apply (cont.)

- Submission of the application via the programme webpage
  - (Step 1) Clicking on ‘Apply via UNEP-CTCN’
  - (Step 2) Clicking on ‘Submit your application (technology concept)’
How to apply

- Development of the application
  - Download of the application template via the programme webpage
  - Need to be developed by an applicant
  - Consultation with the national focal points to the Adaptation Fund and the CTCN
  - Acceptable to develop an application in which multiple countries engage
How to apply (cont.)

- Endorsement from the national focal points
  - National focal point to the Adaptation Fund
    - The statement in the template needs to be confirmed by the Designated Authority of the country
  - National focal point to the CTCN
    - The application needs to be signed by the National Designated Entity (NDE) of the country
How to apply (cont.)

**Submission of the application**

- Provision of information including title of the application, adaptation sectors and contact details
- Upload of the application and clicking on ‘Submit’
Thank you

Email: ho-sik.chon@un.org

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<tr>
<th><strong>Title</strong></th>
<th>Easily deployable water-filled flood barrier that can be used to prevent damage from flooding and to store water vapor-tight to ensure water availability in times of drought</th>
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| **Situation / Barriers** | • Severe droughts and floods resulting in crop failure and livestock mortality  
• Related loss of 5-17% GDP per event  
• Lack of knowledge and funding for climate adaptation measures and lack of appropriate data |
| **Objective** | Facilitate the implementation of a mobile flood barrier at the Rubira hill in Musenyi area of Mpanda commune in Bubaza province to prevent damage from floods and improve water availability in times of drought by storing water vapor-tight |
| **Activities** | • Flood risk assessment and flood risk strategy  
• Equipment requirements study  
• Development of early warning forecast process  
• Real-life technology demonstration  
• Capacity building  
• Development of scale-up plan  
• Development of MRV framework |
| **Reasons for selection** | • Combination of innovative technology application, technology piloting, scaling and institutional framework development  
• Strong measureable impact on local communities |