



UNFCCC Climate Technology Centre & Network



2021 CTCN Asia Pacific NDE Forum Closed Session – NDEs Asia

8th July 2021

Asia Pacific Climate Week 2021

Some housekeeping rules



To save the internet bandwidth and to avoid sound echo, switch off your camera and mute your mic- **WHEN YOU ARE NOT SPEAKING**



After interventions are done by each NDE, please take an opportunity to discuss on any other issues of interests- **PLEASE USE RAISING HAND TO TAKE THE FLOOR**

Agenda

- *Welcome*
- *Setting Objective*
- *Update on the achievements of the 2020 AOP and outlook for 2021 by CTCN*
- **DISCUSSIONS WITH NDEs (in chronological order of country name)**
 - NDEs share experience on previous TA support from the CTCN
 - Priority topics for TA requests for 2021 and beyond
 - Ideas for multi-country TAs/ programmatic regional TAs
 - Potential GCF requests
- **Any other issues of interest for NDEs**
- *Group photo on Zoom*
- *Closure*



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CLIMATE TECHNOLOGY CENTRE & NETWORK



CTCN

Update on the achievements of the 2020 Annual Operating Plan and Outlook for 2021

CTCN

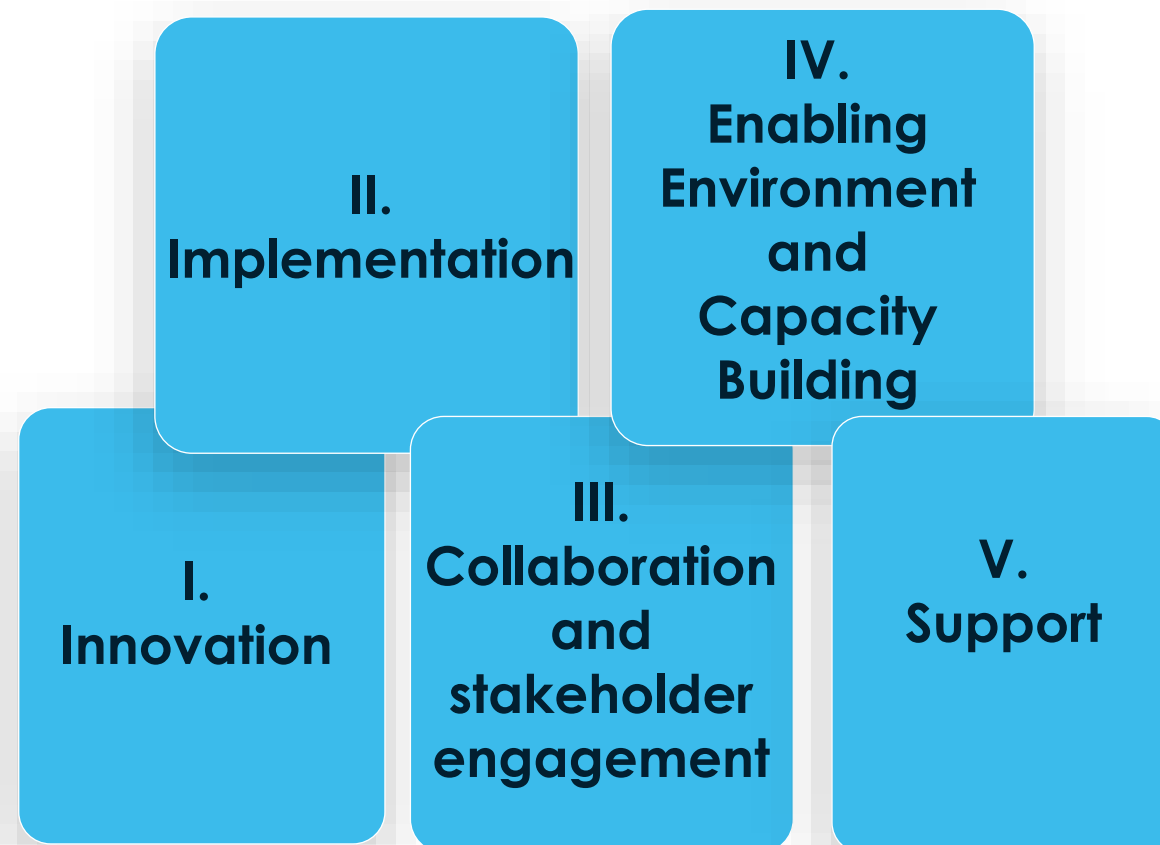
08th July 2021

CTCN Key Achievements in 2020

2nd year of operationalisation of the Technology Framework

Five Thematic areas of Technology Framework

- 2020 marked **the second year of operationalization of the Technology Framework** of the Paris Agreement and the **first year of operationalization of the CTCN's updated M&E system** used to track, evaluate and report on activities, results and expected impacts of its services.
- The CTCN structured its reporting and Annual Operating Plan in alignment with the goals and **five thematic areas of the technology framework** under the Paris Agreement.



I. Innovation

Leveraging funding through the Financial Mechanism to foster RD&D and Innovation: Adaptation Fund Climate Innovation Accelerator (AFCIA)

- **UNEP/CTCN** and **UNDP** selected to administrate the AFCIA (**USD 5 million each**)
- Provision of different services to support innovation in adaptation
 - **UNEP-CTCN programme = Technical assistance**
 - UNDP programme = Grant funding
- Objective is to **support developing countries to test, evaluate, roll out and scale up innovative adaptation practices**, products and technologies - > **25 technical assistance projects** (up to 250,000 USD each)

Virtual **joint launch** event – Nov 2020
over 700 participants

Virtual joint launch Adaptation Fund Climate Innovation Accelerator

➤➤➤ 18 November 2020

➤➤➤ 6:00 - 7:30 AM (CET) for Asia-Pacific & 3:00 - 4:30 PM (CET) for America, Europe and Africa (1.5 hour)

➤➤➤ Local governments, NGOs/CSOs, innovators and others will learn more about the \$10 million in grants available through the Climate Innovation Accelerator.

➤➤➤ Register:
afcia.eventbrite.com



I. Innovation

Leveraging funding through the Financial Mechanism to foster RD&D and Innovation: GEF Challenge Program for Adaptation

- CTCN selected as one of nine organisations
- Grant of 677,000 USD to provide **technical assistance to urban planners to identify financial tools and mechanisms for financing adaptation technologies and build relationships between municipalities, the private sector, financial markets and infrastructure funds** in the medium-sized cities of:
 - Nelson’s Dockyard National Park in Antigua and Barbuda;
 - Chokwe in Mozambique; and
 - Kaysone Phomvihane City in Laos

Main Components	Related Activities
Municipal Financing toolkit for climate change Adaptation	<ul style="list-style-type: none"> • The financing toolkit for medium-size cities is developed and disseminated. It includes tools to assess CCA technologies in urban planning and innovative financing • Municipal planners are trained in the municipal financing toolkit • High potential climate resilience financing solutions are mapped out and prioritized • Knowledge Products are developed and disseminated among NDEs
Piloting of the Toolkit Developed	<ul style="list-style-type: none"> • Adaptation technology financing plans for 3 medium-sized cities are developed • Investment projects are prioritized based on their adaptation impact, attractiveness to private sector and their financing options • Adaptation technology financing plans are presented to selected members of the financial community • Regional workshops are organized to present the toolkits and city case studies to their respective region

I. Innovation

Women and youth driving climate innovation:

- **Upscaling Gender-Just Climate Solutions:** CTCN, the UNFCCC Women & Gender Constituency, & WECF conducted **online capacity-building sessions and mentoring** on women's green entrepreneurship, climate finance and guidance on COVID-19 actions. 70% of participants were able to **access funding to up-scale or replicate solutions.**
- **Youth Climate Innovation Labs:** Two three-day online events in **Africa and Asia Pacific** brought youth innovators (**737 applications**) 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.

YOUTH CLIMATE INNOVATIONS LAB DEMO DAY

Meet the most promising startups creating technology solutions for enhanced climate action across Africa and Asia-Pacific.

Date: **22 APRIL, 2021**

Time: **11:30AM CET**



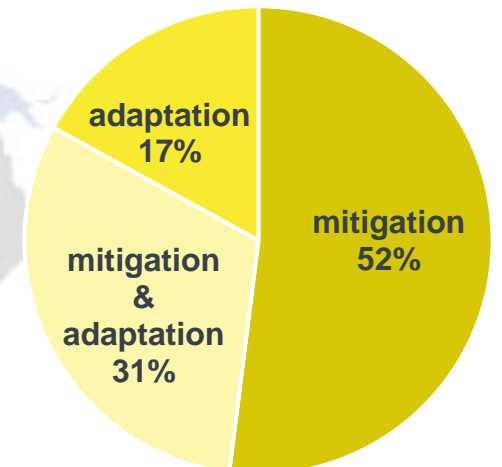
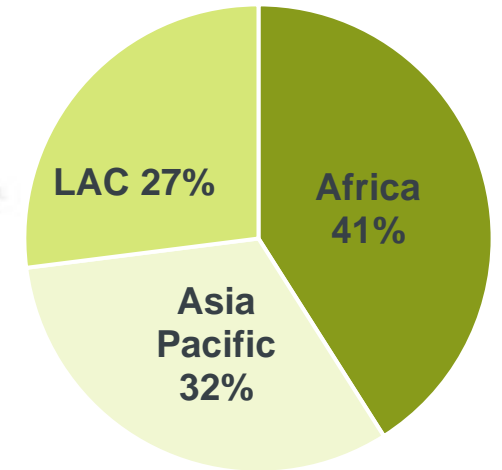
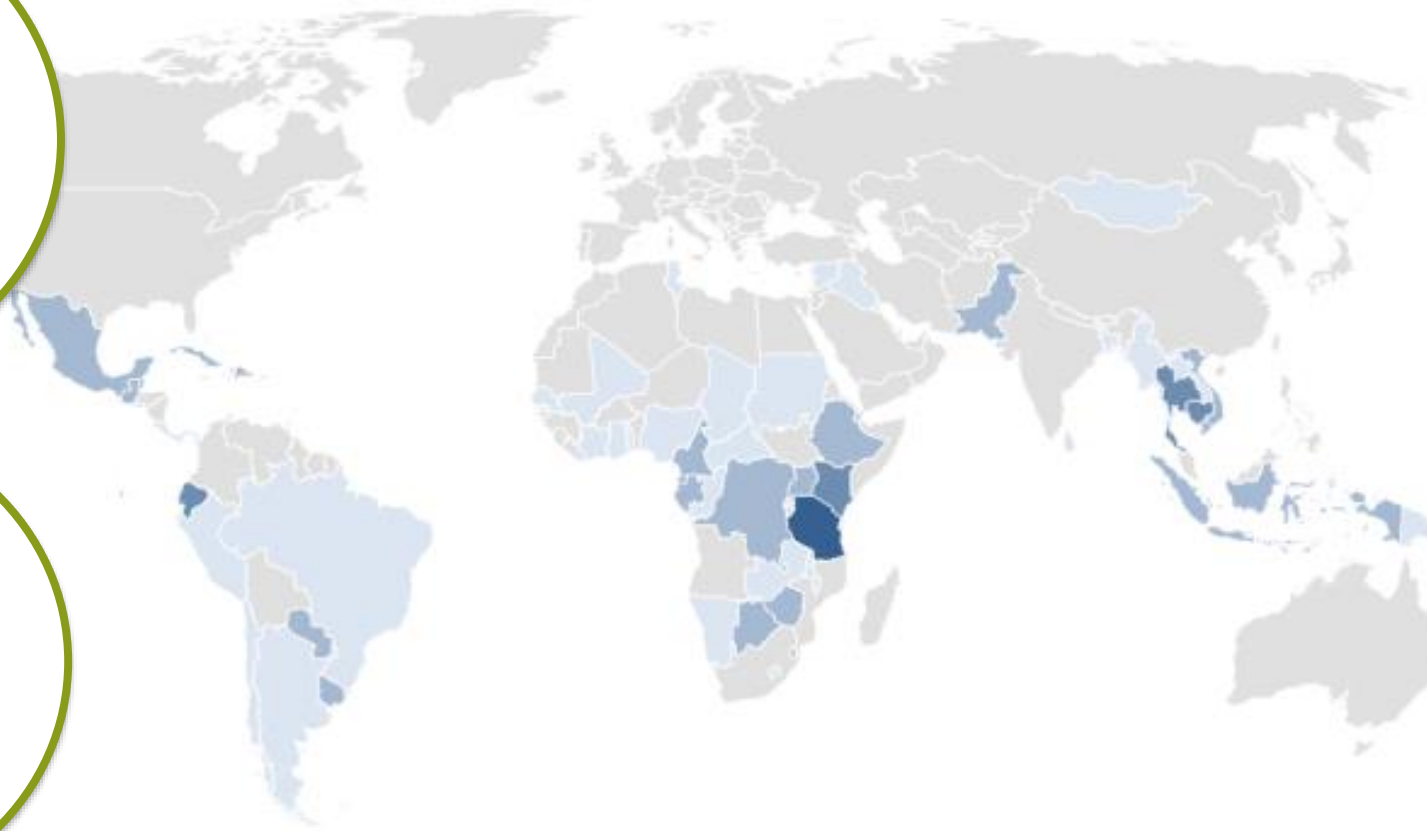
II. Implementation

75

Countries served through TA implementation support in 2020

109

TA implementations supported in 2020, including 48 new TAs



Map showing countries having received TA support from the CTCN in 2020.
Countries may received support for more than 1 TA at a time.

II. Implementation

6
FTAs

11
Countries
supported to
undertake
TNAs &
TAPs

6
Multi-
country
TAs

\$240
million
funding
leveraged from
TAs worth 1.5 m

21
GCF readiness
proposals under
implementation or
approved in 2020 -
strong portfolio of
CTCN TAs under
GCF readiness
facility

Regional Outlook – Asia Pacific 2020/2021

Technical Assistance

- **New countries served (7):** Fiji, Timor-Leste, Malaysia, Maldives, Mongolia, Nauru, **Philippines** and Vanuatu
- **Number of new requests received** (CTCN TA, *excluding AFCIA submissions*)
 - *In 2020:* **10** requests received from AP - **9 from Asia**
 - *In 2021:* **10** requests received so far.. - **7 from Asia**
- Additional - AFCIA – **5** proposals selected, with **1 from the Pacific** –
 - 1st Call - **Maldives** (*on skimming well gallery system for agricultural use*) and **Nepal** (*on customized weather and climate information system for climate-resilient agriculture*)
 - 2nd Call - Fiji (*on impact based forecasting*), **Philippines** (*on project i-RISE - Island Response and Intervention for Systemic Evacuation*) and **Viet Nam** (*on water resources management technology*)
- **TA Pro bono support from**
 - *Republic of Korea* - **Cambodia** (*on e-mobility, gravity-driven membrane tech.*), **Myanmar** (*on GDM tech.*) and **Sri Lanka** (*on Kurunegala smart city - mitigation*)
 - *Japan* - **Viet Nam** (*on waste-to-energy*)



Regional Outlook – Asia Pacific 2020/2021

Technical Assistance

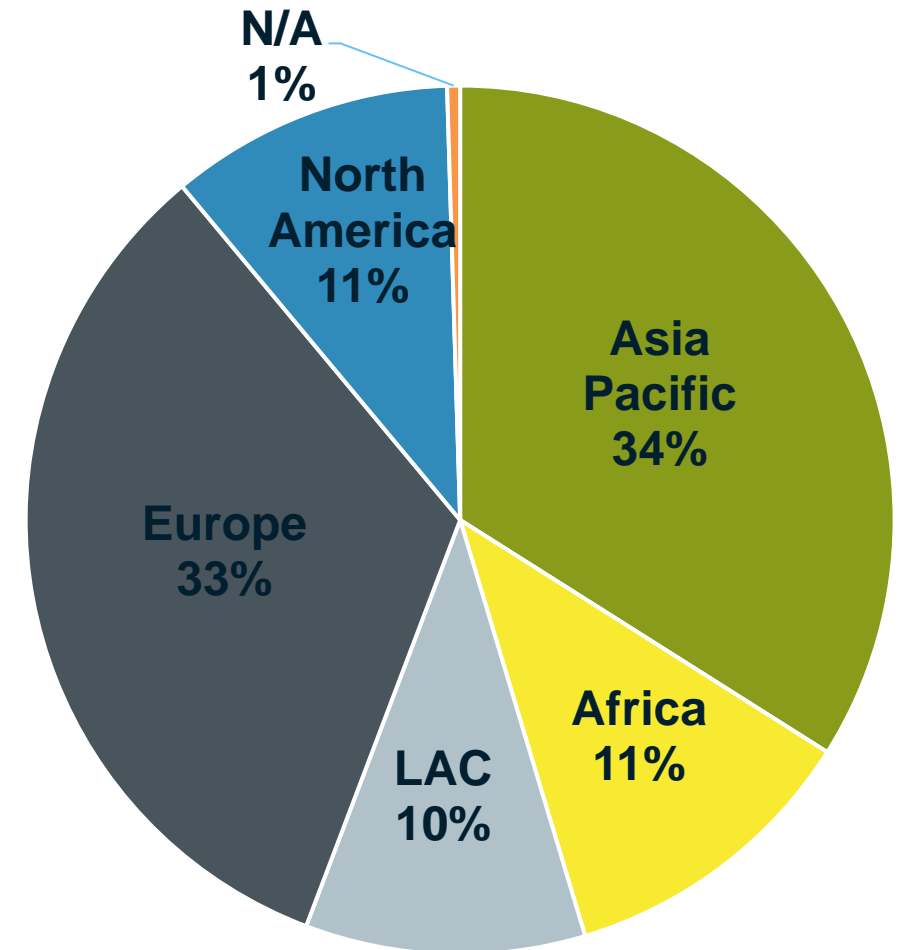
- **Requests received focused on**
 - low-emission transportation, water related adaptation measures and local climate information system and early warning services – *these are emerging as priorities for programmatic approach*
- **Exs new technologies in Asia –**
 - **Electric mobility** (Cambodia, Indonesia), **Power-to-Gas** /Green Hydrogen (Laos), **Gravity-driven membrane** (Cambodia, Myanmar) and **Sustainable livestock farming with meat-processing system** (Mongolia).
- **No Multi-Country projects in Asia – ideas - energy efficiency, e-mobility, and nature-based solutions (NbS) – may be of interest to multiple countries.**
- **Delivered TAs in 2020 -**
 - **Pakistan** (Support to identify the designated energy consumers and relevant regulations to facilitate energy benchmarking and reporting. And ToT for certification and appointment of energy managers and auditors.)
 - **Cambodia** – develop an AP for sustainability and low-emissions transport, including an implementation plan for cleaner and efficient vehicle policies, and development of a funding proposal for the deployment of e-mobility in various cities of Cambodia.



III. Collaboration and Stakeholder Engagement

Engagement with Network Members

- **101 new members joined in 2020** bringing the **total number of Network Members to 624**
- Almost half of the network members represent **private sector organisations**, followed by **research and academic institutions** (20%) and **NGOs** (11%).
- The largest sectors of expertise represented: **renewable energy (15%)**, energy efficiency (14%), water (9%).



IV. Enabling Environment and Capacity Building

Enhancing public awareness and facilitating information-sharing

- In 2020, CTCN activities were covered **752** times in global and national media
- **38** million impressions were earned on social media
- The CTCN website contains over **15,000** information resources, including climate technology case studies and descriptions, national planning documents, publications, tools and webinars, in the six United Nations languages.
- Number of visitors to the website **increased by 61%** in 2019–2020.

IV. Enabling Environment and Capacity Building

Enhancing collaboration with the Financial Mechanism & Facilitating access to financing

- **Green Climate Fund (GCF): 21 GCF readiness proposals** worth just over 8 million USD were either under implementation or newly approved (2 LAC, 5 Asia Pacific, 14 Africa).
- **Global Environment Facility (GEF): 13 TAs completed** under the GEF funded project “Promoting Accelerated Transfer and Scaled-up Deployment of Mitigation Technologies” in December 2020, after five years of implementation.
- **Collaboration with the NDC Partnership** on 4 TAs and capacity-building module “Vision to Concept” to fast-track implementation of NDCs and enhance their ambition in the updated NDCs;
- **Pro-bono:** The CTCN mobilised **719,190 USD in pro bono support** from the Republic of Korea to implement eight technical assistance projects and Pro Bon Support from Japan in 2021. In addition, the CTCN received support from a M&E expert as a result of pro bono support from the United States Agency for International Development (USAID).

IDEAS FOR NEW TECHNICAL ASSISTANCE IN THE Asia Pacific REGION 2021 and Beyond

#	Potential TAs for Multi country/ programmatic approach	Countries	Remarks
e.g.	Capacity Development to Address Risks in the Coastal Zones Associated with Climate Change		Request received and implementation under process in Marshall Islands, Kiribati, Palau and Solomon Islands
1.	Low carbon transport and e mobility support	<u>South East Asia:</u> Laos, Timor-Leste and Malaysia <u>South Asia-</u> Bhutan, Pakistan and Mongolia	Vanuatu, Solomon Islands, Nauru, Papua New Guineas have submitted the requests
3	Energy Efficiency in Buildings	Pakistan, Bhutan and Sri Lanka	Implemented projects in Bangladesh and Pakistan. Under implementation in Timor-Leste
4	Nature-based solutions (NbS) for climate resilience	Interested Asian countries that include NbS in their NDCs for climate resilience	Completed project in Laos (EbA intervention for 6 cities) Mongolia has submitted the request (climate change adaptation strategy for Buir Lake)

IDEAS FOR NEW TECHNICAL ASSISTANCE IN THE Asia Pacific REGION 2021 and Beyond



CTCN mandates include developing and implementing the climate technology support under GCF readiness facility. As preferred delivery partner of GCF, CTCN would like to strengthen its portfolio in Asia Pacific.

#	Potential TAs for GCF readiness proposal implementation	CTCN work in Asia Pacific
1	Enable readiness for up scaling investments in building energy efficiency for achieving NDC goals in Thailand	Under implementation in Thailand
2	Capacity building in renewable energy sector, Photovoltaic Solar Cell installation and maintenance for technical level and management	Under implementation in Timor-Leste
3	Development of an Energy Efficiency Master Plan for Tonga	Completed in Tonga
4	Development of the implementation and regulatory framework for the deployment of electric vehicles in support of Pakistan's Electric Vehicle Policy	Draft GCF readiness proposal developed for Pakistan
5	Development of climate change adaptation strategy for Buir Lake, Mongolia, using nature-based solutions	Draft GCF readiness proposal developed for Mongolia
6	Promoting data for climate change, drought and flood management in Myanmar	Completed in Myanmar



Discussion with NDEs

in chronological order of country name

- NDEs share experience on previous TA support from the CTCN
- Priority topics for TA requests for 2021 and beyond
- Ideas for multi-country TAs/ programmatic regional TAs
- Potential GCF requests



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