Summary of CTCN Regional Forum for National Designated Entities from Asia

Organized
In parallel with the Green Climate Fund Structured Dialogue for Asia

Venue: Nusa Dua Beach Hotel, Bali, Indonesia
Date: 25-28th April, 2017

CTCN organized its third regional forum for the NDEs from Asian countries, in Bali from 25th- 28th April 2017. This forum was organized in parallel with the GCF structured dialogue – Asian, which was organized by the GCF secretariat for its focal points i.e. the Nationally Designated Authorities (NDAs).

The objective of the forum was to 1) present the latest development of CTCN services to developing countries globally and in the region; 2) Share experiences and best practices from CTCN technical assistance in the region, including those involving collaboration with the GCF, as well as successes and challenges encountered by NDEs, as part of their roles; 3)Strengthen linkages between the UNFCCC Technology Mechanism and the Financial Mechanism and enhance collaboration between NDEs and National Designated Authorities to articulate concrete proposals to facilitate access to climate technologies, 4) Increase south-south learning, and create networking opportunities through showcasing innovative climate technologies that respond to country priorities (Nationally Determined Contributions, Technical assistance submitted to the CTCN, Technology Needs Assessments, etc.).

The forum was attended by over 40 participants comprising of the NDEs to the CTCN, NDAs to the GCF, CTCN network members and consortium partners. The events included joint sessions bringing together NDEs and NDAs to articulate concrete proposals to facilitate access and deployment of climate technologies at national level.

. The agenda of the workshop is attached as Annexure-A.

All presentations and pictures are available on the CTCN website : https://www.ctcn. org/calendar/events/ctcn-regional-forum-asia-pictures-and-documents :For more information about the CTCN, please visit www.ctc-n.org

Key points from discussions

Opening session

Mr Jukka Uosukainen, Director, CTCN

- Technology transfer needs to be streamlined at the national level
- It is key to look at the real impacts of CTCN technical assistance
- This is also a platform to discuss on how to collaborate more closely with financial mechanism of the convention
- Support provided by CTCN should be used for strategically prioritized technology advice, assisting and advising on those technologies, which are not familiar or transferred into countries and which enables transformation.
- CTCN can help countries turn technology ideas into implementable and bankable projects
- Focus could be on a integrated approach on how to engage cities and businesses from developing countries

Dr Can Wang, Member CTCN Advisory Board

- COP 22 decision invites developing country Parties to develop and submit technology-related projects, including those resulting from technology needs assessments and from the technical assistance of the Climate Technology Centre and Network, to the operating entities of the Financial Mechanism for implementation, in accordance with their respective policies and processes;
- Encourages the Technology Executive Committee, the Climate Technology Centre and Network and the operating entities of the Financial Mechanism to enhance the involvement of relevant stakeholders as they undertake actions to strengthen the linkages between the Technology Mechanism and the Financial Mechanism;

Mr. Achmad Gunawan, Director of Regional and Sectoral Resources Mobilization. Ministry of environment and Forestry, Republic of Indonesia

- CTCN as the Technology Mechanism under UNFCCC has provided technical assistance, networking and capacity building to developing countries, including Indonesia. We hope that CTCN can enlarge its networking and network members, to involve more actors from developing countries in the process of technology development and transfer, as well as knowledge sharing and capacity building.

- What is important in achieving the goals of emission reduction and the Paris Agreement in the context of technology is the implementation of real mitigation actions. Technical assistance and knowledge sharing are of course important, but more important is actual

implementation of climate technologies. In this regard, we welcome this parallel session with Green Climate Fund as a means to strengthen cooperation between the Technology Mechanism and the Financial Mechanism.

- This forum will also provide opportunities for knowledge sharing between countries as well as from other entities. Best national efforts combined with international cooperation will hopefully provide best results.

Session I: Institutional settings of the Technology and the Financial Mechanisms under the Convention

Introduction to CTCN:

- CTCN Mission is to promote the accelerated development and transfer of climate technologies at the request of developing countries for energy-efficient, low-carbon and climate-resilient development
- 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
- UNFCCC Technology Mechanism created in 2009 alongside Financial Mechanism (GCF+GEF) as part of Copenhagen Agreement
- Technology Mechanism consists of a Technology Executive Committee (policy guidance) and Climate Technology Centre and Network (operations)
- Work with Financial Mechanism + country focal points + partner organizations to leverage private sector expertise in service of Developing Country needs
- So far, CTCN received 170+ country driven 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. Out of which 10 has been completed and 30 are under implementation
- CTCN works as facilitator and matchmaker in connecting country's needs with relevant technology expertise.
- CTCN technical Assistance are contributing to all the 17 Sustainable Development Goals and contributing maximum to SGD 13: Take urgent action to combat climate change and its impacts
- CTCN relies on a growing network of expert organizations working on climate technologies worldwide (has more than 300 network members (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 achieves its mission by harnessing the technology expertise of academic, finance, NGO and private sector institutions around the world.
- CTCN Improve developing countries' overall understanding of climate technologies through Regional Fora, the Incubator Programme for Least Developed Countries, the Secondment Programme and a series of webinars on climate technologies . CTCN facilitate linkages between technical assistance and financing.

UNFCCC guidance on Linkages between the Financial and Technology Mechanisms

- There was a strong Technology Outcomes from COP21 in Paris with 23 references to Technology Mechanism/CTCN; followed by COP22 in Marrakech where NDA invited to use GCF Readiness funds to undertake technology needs assessments and implement technology action .
- Linkages guidance relates not only to institutional collaboration, but to the importance of in-country collaboration among stakeholders, in particular among NDE/NDA/GEF focal points
- COP 22 decision welcomes the increased engagement between the GCF and the CTCN, particularly with respect to utilizing the Readiness Programme and the Project Preparation Facility to respond to country-driven requests for technical assistance;

Session-II: Climate technologies priorities in the region

Needs and opportunities for Research & Development (R&D) and on capacity building for climate technologies

- Since 2001, more than 85 developing countries have successfully assessed their technology needs for climate change mitigation and adaptation
- Regional capacity building needs and R&D needs of the countries are identified in the TNAs.Capacity building action plans were identified for specific target groups, including decision makers, technology experts and specialized agencies.
- It was found that countries had broadly formulated their R&D needs and activities with a view of their implementation

Climate technologies priorities in the region

- Priorities of Asian countries on climate technologies: Priority sectors based on analysis of INDCs, TNAs, etc. i.e Agriculture and Forestry   ,Water, Coastal, Early Warning System Energy Use and Energy Supply , transport Industry .
- Present the mapping of   on going CTCN requests as well as the type of supports provided through those request in these priority sectors.
- Gave an overview, status, relevance and expected output of all the ongoing CTCN technical Assistance in the five countries

Japan's perspective on climate technology transfer through the CTCN and GCF

- Briefly described about the type of supports provided by Japan /METI for CTCN and GCF.
- METI, as a Japan's NDE and a Ministry promoting both foreign business and global GHG emission reduction has shown its commitment to support technology transfer of low-carbon technologies to developing countries.
- For real business support, METI intends to support the GCF projects/CTCN projects which will lead to request for funding proposal to the GCF.

Japan's Activities for Technology Transfer

- The session described about the Japan's support regarding low-carbon technology development and transfer in the region. The presentation also covers on Training Programme on developing GCF project proposals on climate change mitigation, which leads in developing few project ideas and concept notes subsequently.

Session: III Collaboration between the CTCN and the GCF

Introduction on specific ways of collaboration between the CTCN and the GCF capacity Building Module

- The session gives an overview of the possible ways of collaboration between CTCN and GCF and explain about the steps to be followed for submitting the CTCN request for GCF readiness support. The session triggers lots of interactions and discussions and participants were keen to explore this opportunities further

The session included two country's presentation (i.e from Lao PDR and Myanmar) where the linkages has already been established between CTCN request/Technical Assistance and GCF proposal.

Collaboration between the CTCN and the GCF in Lao PDR

- Sets an example on the linkages and collaboration between CTCN and GCF and how the CTCN Technical assistance would help in addressing the gaps and   support in submitting the bigger GCF concept for the country.

Country presentation on Linkage between GCF and CTCN in Myanmar

- The CTCN request from Myanmar was submitted to GCF for the readiness support. The speaker mentioned about the processes being followed in executing this submission process. This has also helped other NDEs to understand the process being followed by one their neighboring countries.

Session-IV: Green Climate fund

- The presentation from GCF explain the overview , business models, GCF programming overview, priority sectors and investment criteria, project approval process etc of GCF .
- Strategic engagement through development of country programmes -- a recommended approach to develop country programmes and determine which priorities identified by country strategies (INDCs, LEDs, NAPAs, NAMAs, etc.) are the best match for GCF support. GCF Secretariat supporting countries in developing draft country programmes.
- Resources may be provided in the form of grants or technical assistance. All developing countries can access the Readiness programme, and the Fund aims to ensure that at least 50 per cent of the readiness support available goes to particularly vulnerable countries, including least developed countries (LDCs), small island developing States (SIDS), and African States.
- Four main areas of support under the GCF Readiness Programme:
  o NDA strengthening: Supports ability of the NDA to perform its function. Consultations, establish No-Objection procedure, outreach and awareness raising, etc.
  o Strategic Frameworks: Supports consultative mechanism to underpin solid Country Programme and pipeline development, relevant policy review to support strategic engagement and harmonization with National development plans and resources.
  o Support for direct access: Accreditation, gap assessments, building capacity of direct access entities to support Country Programmes.
  o Adaptation Processes: NAP development, adaption-planning processes – template for application still be refined but you can access already under current generic Readiness template.
- The proposal needs to be within 8 strategic result areas and 6 investment criteria

Session –VI: Experience sharing of NDEs

- NDE team, **Indonesia** presented their experiences from the on-going TA implementation of a hydrodynamic flood model that can be used to evaluate a number of hard and soft engineering interventions to reduce the risk of flooding in Jakarta. The presentation had also covered on how the recommendation can feed into city planning document.

  ([Presentation](#))

- NDE, Bhutan shared their existing challenges with respect to climate change, their existing experiences with CTCN and scope of future possible collaborations

  ([Presentation](#))

- NDE team, Pakistan presented the background and relevance of recently submitted Request for CTCN's Technical Assistance for National Certification Scheme For Energy Auditors

  ([Presentation](#))

Session-VII: Experience sharing of consortium partners and network memebers

- Consortium partner , TERI , presented their experiences in different phases of the technical assistance execution (including their experience in Africa) and described how Engagement of international experts with the stakeholder at the national level creates a platform for sharing of learnings and expedite the transformation process.(Presentation)

- Consortium partner, AIT, shared their experiences with CTCN technical assistance (both mitigationa and adaptation theme) in Aghanistan, Bangladesh, thailand, congo, Bhutan and Nepal.
  Presentation , Presentation A

- ICRAF, a consortium partner , shared their experiences in developing the technical assistance on national agroforestry policy for Nepal. ICRAF also shared their experiences of Indian national agroforestry policy and how the leraning can help in developing the policy in Nepal.

  (Presentation)

- KEITI, a network members, presented KEITI's vision and experiences specifically on R&D and Technology Cooperation Program and GCF Project Pipeline Development Program (Presentation)

- National Council for Climate Change, Sustainable Development and Public Leadership (NCCSD), one of the network members, presented the climate resilient agriculture from Indian perspective including various initiatives and case studies in India
  (Presentation)

- GIST, a network member, presented their experiences in working with various climate change technologies including water resource management, desalination technologies, climate change modeling etc.
  (Presentation)

- Vulnerable Peoples Development Organization, another network members presented about their experience in working with the community and vulnerable groups and their expectation from climate technologies

  (Presentation)

Session-IX: Investment and private sector for technologies

Xac bank, Mongolia, one of the Direct access entities of GCF shared the experiences on their existing and possible future engagements with GCF and briefed mentioned about the pipeline of GCF proposals from Mongolia. The discussion also covers the financing strategies of Xac bank in making these projects more investment friendly and attractive. (Presentation)

Summary and way forward

- There are common challenges and priorities in the region, leading to possible regional projects/activities, which CTCN may support
- There exist good examples of national preparations and coordination of climate actions and NDC implementations and CTCN Technical assistances in the countries, which can be shared with the respective governments to bring more attentions at the national levels
- CTCN seek convention funding wherever applicable and will use its money for those TA responses, which will not be eligible for public funding of direct investments. CTCN also intends to keep resources for those countries, whom CTCN has not supported yet.

- CTCN should be used for strategically prioritized technology advise, assisting and advising on those technologies which are not familiar or transferred into countries, which enable transformation

- Private sector can contribute substantially if they are properly incentivized. Government must develop appropriate legislations and norms as well as incentive structures to attract private sector investments in climate change activities.

- There may be some common methods and tools which support transformations in the use of technologies , lets define them and replicate in the region, possibly through regional technology programs

Regional Forum for CTCN National Designated Entities (NDEs)
In parallel with the Structured Dialogue of the Green Climate Fund

Agenda

Nusa Dua Beach Hotel, 25-28 April 2017, Bali, Indonesia

Objectives

- Present the latest development of CTCN services to developing countries globally and in the region;

- Share experiences and best practices from CTCN technical assistance in the region, including those involving collaboration with the GCF, as well as successes and challenges encountered by NDEs, as part of their roles;

- Strengthen linkages between the UNFCCC Technology Mechanism and the Financial Mechanism and enhance collaboration between NDEs and National Designated Authorities to articulate concrete proposals to facilitate access to climate technologies, in line with art. 10 of the Paris Agreement and COP22 decisions;

- Increase south-south learning, and create networking opportunities through showcasing innovative climate technologies that respond to country priorities (Nationally Determined Contributions, Technical assistance submitted to the CTCN, Technology Needs Assessments, etc.).

Participants

- National Designated Entities from Non-Annex 1 countries
- National Designated Authorities from Non-Annex 1 countries
- Representatives of Financial institutions and mechanisms including representatives from the Green Climate Fund, regional and sub-regional development banks, donors, etc.
- Climate technologies experts from the CTCN Consortium, the Climate Technology Network, and NDEs from Annex 1 countries
- Representatives from the Host Country Government, CTCN Advisory Board, UNFCCC Secretariat, Technology Executive Committee.

Methodology

- Plenary presentations and discussions
- Break out groups discussions and exercises
- Bilateral meetings between the CTCN team and NDEs, Network Members, NDEs and NDAs, etc.

Agenda

The forum will be conducted over three days and half, in parallel with the regional structured dialogue organized by the Green Climate Fund for National Designated Authorities of the region.

DAY-I	25th April 2017
0830 -0900	Registration
0900-1000	Opening session - Opening remarks and objective of the program - **Mr Jukka Uosukainen,** Director, CTCN - Inaugural address - **GCF** - Special address - **Dr Can Wang**, CTCN Advisory Board representative - Key note address by **Mr. Achmad Gunawan**, Director of Regional and Sectoral Resources Mobilization. Ministry of environment and Forestry, Republic of Indonesia - Introduction of the participants - Group Photo
1000-1030	Tea/Coffee
1030-1200	**Session 1: Institutional settings of the Technology and the Financial Mechanisms under the Convention** - Introduction to CTCN (mandate, updates on achievements) – **Mr. Rajiv Garg**, CTCN - CTCN COP decisions on linkages- **Dr Can Wang**, CTCN Advisory Board representative - GCF Board decision B.14 on technology and GCF services and opportunities for the region relevant to the CTCN – **Ms Diane McFadzien, GCF** - Q&A and discussion
1200-1300	Lunch
1300-1400	**Session 2: Climate technologies priorities in the region** - Needs and opportunities for Research & Development (R&D) and on capacity building for climate technologies – **Mr. Yolando Velasco**, **UNFCCC Secretariat** - Overview of CTCN assistance in the region- **Parimita Mohanty, CTCN** - Japan's perspective and support on climate technology transfer for the region- **Mr. Norihiro Kimura, METI** - Q&A and discussion
1400-1500	**Session 3 Collaboration between the CTCN and the GCF** Presentation on CTCN technical Assistance related to GCF other collaboration opportunities - Introduction on specific ways of collaboration between the CTCN and the GCF capacity Building Module -**Mr Rajiv Garg, CTCN** - Country presentation from Lao PDR –**Mr Amphayvanh Oudomdeth, NDE, Lao PDR** - Country Presentation from Myanmar- **Mr Ming Maw, NDE, Myanmar**
1500- 1530	Tea/Coffee
1530-1700	**Session-4: Discussion on priorities and opportunities between CTCN and GCF project**

	- Country updates on GCF – from NDAs - Discussions on setting up NDA-NDE collaboration frameworks - Q&A and discussion
DAY-II	**26th April 2017**
0910	Shuttle will leave from Nusa Dua Beach Hotel to Ayodya Hotel
0930-1030	**Session-5: Participation in GCF workshop** Programming and Pipeline Development: Presentation on the different stages of the approval process; on project support available and on country/entity programmes (30 min presentation – 30 min Q&A) This session will also cover the role of country programmes, the GCF Guidelines for developing a country programme; and entity programmes as strategic drivers for articulating a pipeline of projects/programmes for their full development over the short and longer-term.
1030-1100	Break
1100:1230	Breakout session A: Country Programme Presentations and feedback (Four groups: Each group will have a mixture of countries, partners and other stakeholders) This breakout session will focus on facilitating project development through the use of Country Programmes. NDAs/Focal points will present their draft Country Programmes, which will contain at least two projects/programmes (1 short and 1 longer term) and will receive feedback from stakeholders in the group.
12:30-1330	Lunch
1330-1510	Participate in GCF workshop Breakout Session B: Accredited Entity Programmes and project experience (Three groups: Each group will have a mixture of countries, partners and other stakeholders) Accredited Entities will present and share their project development experience with groups and the pipeline of country-driven projects/programmes in their Entity Programme. NDAs/Focal points and other stakeholders will provide feedback and discuss any new concept ideas as necessary.
1510-1540	Shuttle will leave from Ayodya Hotel to Nusa Dua Hotel
1545 – 1730	Follow up Discussions with NDEs on GCF Project Pipeline Development and Project Ideas From GCF agenda: Group report back: Each group will be asked to report key issues from their breakout group discussions that they feel are critical in order to progress projects from the region including through the strategic use of Country and Entity Programmes.
1800-1900	Joint CTCN – GCF reception (**TBC**)
DAY-III	**27th April 2017**

0900-1030	**Session-6: Experience sharing from NDEs on CTCN Technical Assistance** NDEs experiences and perspective on CTCN Technical Assistances - Indonesia - Pakistan - Bhutan
1030-1100	Tea/Coffee

1100-1230	**Session-7: Experience sharing on CTCN Technical Assistance and technology opportunities**
	
	Climate Mitigation
	    o Experience sharing and way forward on CTCN Technical Assistances provided on climate mitigation technologies **- Mr Amit Kumar, TERI**
	    o Experience sharing and way forward on CTCN Technical Assistances provided on climate mitigation technologies **- Dr Abdul Salam, AIT**
	    o KEITI's perspective on Development of climate technology projects for cooperating countries – **Mr MS SHIN, KEITI**
	
	- Q&A and discussion

1230-1330	Lunch

1330- 1500	**Session-7: Experience sharing on CTCN Technical Assistance and technology opportunities**
	
	Climate Adaptation
	    o Development of National Agro Forestry policy–**Mr Javed Rizvi, ICRAF**
	    o Climate resilience and efficient use of resources in the agricultural sector - **Dr Victor Shinde, AIT**
	    o Presentation from **GIST**
	    o Indian Perspective on Technology Transfer in developing Climate resilient Agriculture- **Mr Malay Joshi,NCCSD**
	    o Experience sharing and best practices to adopt climate adaptation technologies, **Mr Gabriel Tripura, KOTHOWAIN (Vulnerable Peoples Development Organization (tbc)**
	Q&A and discussion

1500-1530	Tea/Coffee

1530-1630	**Session-7: Experience sharing on CTCN Technical Assistance and technology opportunities**
	
	    o Experience sharing of NDEs that have not submitted requests
	    o Project pipeline development for GCF
	Q&A and discussion

1630-1730	**Session 8:** *Space for Showcasing of Work by Network Members and meetings between Network Members and NDEs*
DAY-IV	**28th April 2017**

0930-1100	**Session 9: Investment and private sector for technologies** o Presentation from Xac Bank
1100-1130	Tea/Coffee
1130-1200	Conclusion and way forward-**Mr Jukka Uosukainen,** Director, CTCN
1200-1330	Lunch
1330-1730	ON Request : Bilateral meetings between CTCN and individual country's representative as well as between the CTCN and network members