

Session: Financing Low-carbon Technology Transfer of Small-Medium-Enterprises (SMEs): Match-making Strategy, ISAP 2014, Yokohama, 24 July 2014, 10:45 – 12:45

Climate Technology Centre and Network (CTCN): Hub in Asia

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and

CTCN Steering Committee of AIT



AIT
Asian Institute of Technology



BACKGROUND

The Climate Technology Centre and Network (CTCN) is the **operational arm of the UNFCCC Technology Mechanism** and it is hosted and managed by UNEP in collaboration with UNIDO and with the support of **11 Centers of Excellence** located in developing and developed countries

CTCN in 5 Key dates



BACKGROUND

CTCN mission

To stimulate technology cooperation and enhance the development and transfer of technologies to developing country parties at their request

Main functions

- Manage requests from developing country NDEs (National Designated Entities, which are national focal points) and deliver responses
- Foster collaboration and access to information and knowledge to accelerate climate technology transfer
- Strengthen networks, partnerships and capacity building for climate technology transfer

Core CTCN services

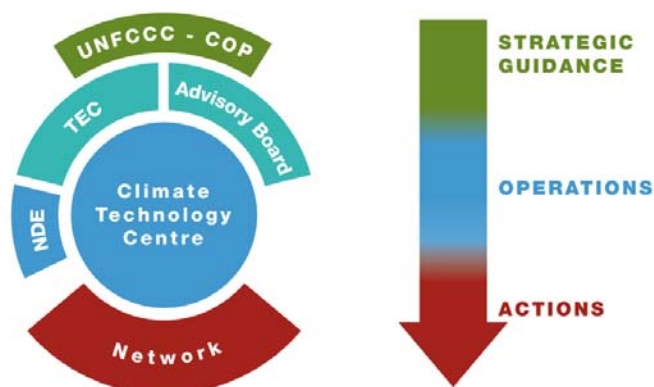
- Technical assistance
- Information and knowledge
- Network and collaboration



CTCN STRUCTURE

Core Centre co-managed by UNEP and UNIDO with the support of Consortium Members

Active engagement provided through the Network



NETWORK ACTIVITIES

Knowledge transfer

- Actively exchange information, experiences, best practices via KMS
- Provide expertise in training/ capacity building activities
- Participate in workshops, trainings

Technical assistance

- Responding to requests
- Competitive bidding via UN procurement procedure
- Highly dependent on the types of requests

Qualified institutions encouraged to apply

- Applications assessed against criteria
- Merit-base, time bound membership

“technology” IN CTCN PERSPECTIVES

- **Definition of “technology”:** Any equipment, techniques, practical knowledge and skills needed for reducing greenhouse gas emissions and adapting to climate change (IPCC Report on Tech Transfer) - Includes hardware, software and orgware
- **Technology transfer:** Learning to understand, choose, utilise, adapt and replicate technology
- **Why support for technology transfer:** To remove barriers (Lack of information, Insufficient human capabilities, Lack of capital, High transaction costs, Lack of full cost pricing, Trade and policy barriers, Lack of understanding of local needs, Risk aversion in financial institutions, Insufficient legal protection, Inadequate environmental codes and standards, Etc.
- **Technical Assistance = Services of an expert/experts**
 - ≠ Funding mechanism
 - ≠ Purchase of technologies



TECHNICAL ASSISTANCE – DELIVERABLES

(i) Technical assessments and recommendations related



- ✓ Technology needs
- ✓ Specific technologies
- ✓ Related barriers
- ✓ Technology piloting
- ✓ Technology deployment

(ii) Support to Policy and Planning

(iii) Support to Implement Plan and Mechanisms

(iv) Trainings and Capacity Building

(v) Tools and Methodologies

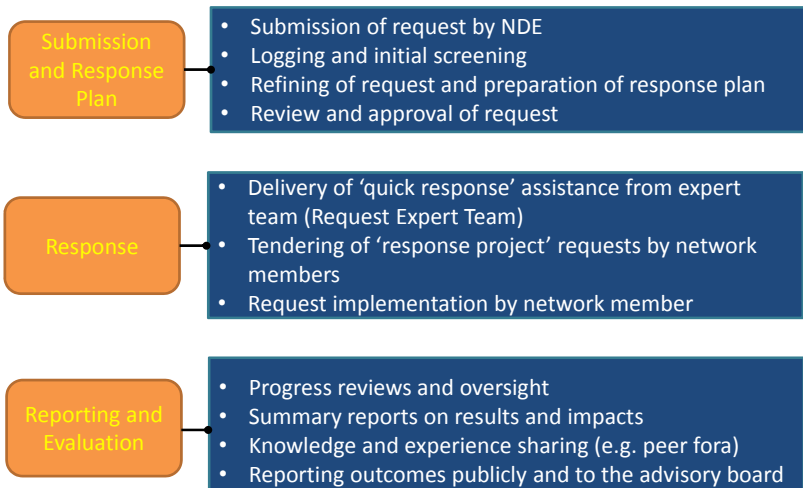


FIRST REQUESTS FOR TECHNICAL ASSISTANCE

- **8 official requests received from:**
 - ✓ **Afghanistan, Chile, Colombia (3), Honduras, Iran, Pakistan**
 - ✓ CTCN contacted by several other countries to discuss requests
- **Discussions have enabled CTCN to:**
 - ✓ Gain a preliminary understanding of the kind and quality of requests the CTCN will receive
 - ✓ Start testing CTCN approach/process
 - ✓ Prepare for meeting ambitious targets in terms of responses
- **NDE Manual provides guidance on request process and CTCN services**



CTCN DELIVERY APPROACH



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CTCN TECHNICAL ASSISTANCE

- Different forms of technical assistance to developing countries
- Value in range \$50,000 - \$250,000
- Funds not provided directly to countries
- Fast and flexible delivery of support that initiates or triggers larger scale action
- Multiple requests per country currently being accepted

Quick Response:

- Budget < \$50,000
- Implementation by Request Expert Team (RET)
- Typically less than 1 year duration

Response project"

- Budget \$50,000 to \$250,000
- Implementation by Network member
- Could be multi-year projects



REQUEST DEVELOPMENT

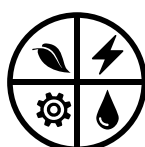
- CTCN will **ONLY** liaise with NDEs
- There should be a **prioritized need** for the requests (A good starting point would be to consider the outcomes of TNAs)
- Requests made by NDEs should be in line with **national policies**
- For sustainability of impacts, NDEs should (with CTCN assistance) ensure sound **Monitoring and Evaluation**.

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INFORMATION AND KNOWLEDGE SHARING



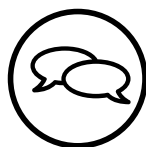
technical
assistance



sectoral focus
resources



regional focus



multilingual



capacity
building



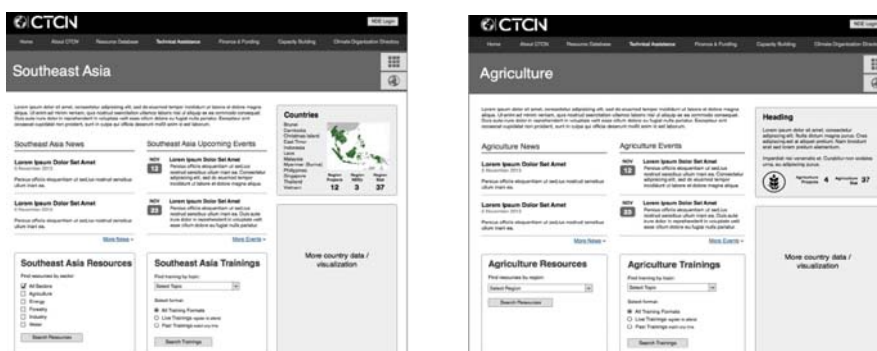
mobile friendly



adaptation/mitigation
resources

EASILY NAVIGATED RESOURCE DATABASE

Users will be able to navigate the KMS database by region, country, or sector, or through keyword searches.



Resources focused on both **adaptation** and **mitigation** will be available and categorized.

NETWORK AND COLLABORATIONS

The CTCN provides and supports:

- Various opportunities for networking with other public and private actors involved in climate technologies
- Initial contact and possible partnerships among actors
- A Climate Technology Network of organizations with expertise on climate technologies

Through:

- ✓ International and regional forums
- ✓ Workshops for public-private partnerships
- ✓ Peer learning events



HOW IT MIGHT BENEFIT DEVELOPED COUNTRIES (personal perspective)?

- Provide a platform through which developed countries can assist developing countries
- Showcase their climate technologies and networking
- Promote north-south and south-north learning and exchanges
- Opportunities to understand the technology needs of developing countries for their own benefits in other realms

HAPPENINGS IN ASIA SO FAR

- Nomination of NDEs in the region
- Technical assistance requests from NDEs
- Contacts from NDEs for possible requests and feedbacks
- Physical interactions with potential/NDEs and networks
 - Few expert group meetings in Asia; Capacity building workshops
- Sample requests by the consortium partners: as a guidance
- Populating Knowledge Management Systems (KMS) from the region and priority technologies issue from the region
- Webinars planned
- Asian Institute of Technology (AIT) and The Energy and Resources Institute (TERI) as core consortium partners
- Invitation extended to national and regional institutions in Asia to get involved and become Network Members

NETWORK ALREADY IN CTCN

- **Bionas - BATC Development (Malaysia)**
- Business Council for Sustainable Energy (BCSE)
- Climate and Development Knowledge Network (CDKN)
- Corporation Institute of Ecology and Biodiversity (IEB)
- European Hydrogen Association (EHA)
- Global Carbon Capture and Storage (CCS) Institute
- **Global Environment Centre Foundation (GEC)**
- **Indonesian Agency for the Assessment and Application of Technology (TPSA-BPPT)**
- International Solid Waste Association
- Kenya Climate Innovation Center (Kenya CIC)
- Renewable Energy Policy Network for the 21st Century (REN21)
- Renewable Energy and Energy Efficiency Partnership (REEEP)
- World Intellectual Property Organization (WIPO)



Thank you !!!



