



# Session 1 The CTCN

CTCN Regional NDE  
Forum Arusha, Tanzania  
24<sup>th</sup> June 2015



# CTCN: The operational arm of the UNFCCC Technology Mechanism

Objective: enhance action on the development and transfer of technology for action on climate change

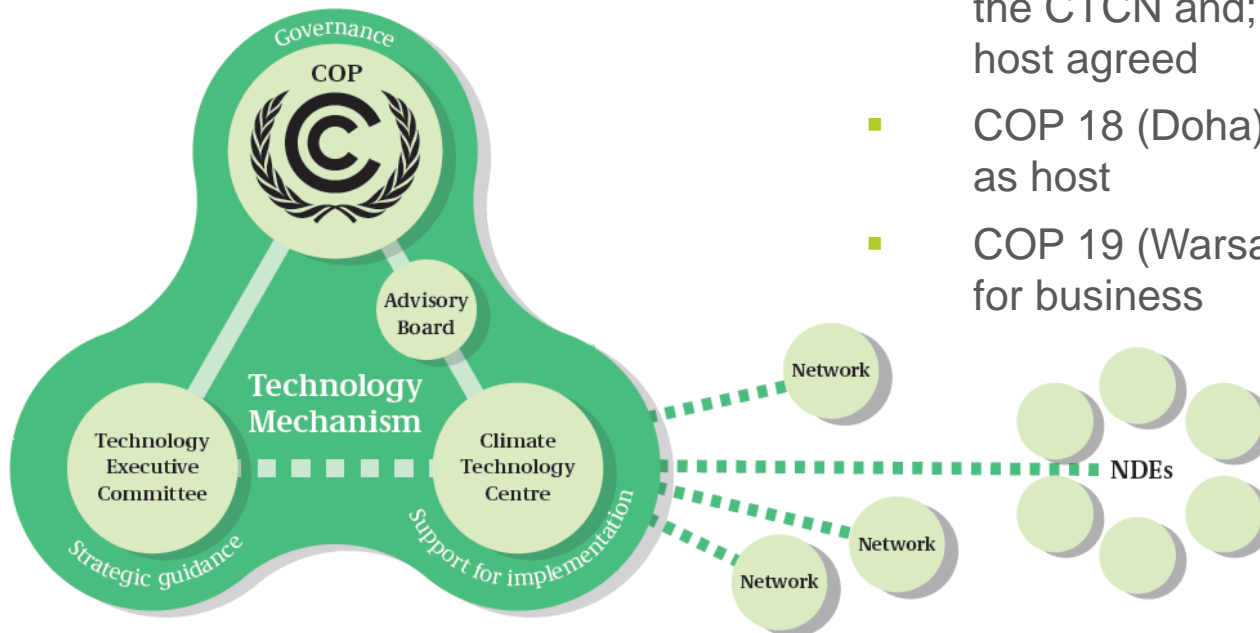
## Technology Executive Committee

- *The policy arm*

## CTCN

- *The implementation arm*
- *NDEs*

- COP 15 (Copenhagen) 2009: agreement to establish a “Technology Mechanism”
- COP 16 (Cancun) 2010: Technology Mechanism further elaborated (TEC and CTCN) and Technology Executive Committee created
- COP 17 (Durban) 2011: establishment of the CTCN and; selection procedure for host agreed
- COP 18 (Doha): formal selection of UNEP as host
- COP 19 (Warsaw): CTCN officially open for business



# CTCN Mandate, Services and Structure



## Mandate

CTCN mission is “Stimulating technology cooperation and enhance the **development and transfer of technologies** to developing country Parties at their request”

## Services:

1. Technical assistance to developing countries
2. Knowledge sharing and training
3. Fostering collaboration on climate technologies (including linking climate technology projects with financing opportunity”)

## Structure:

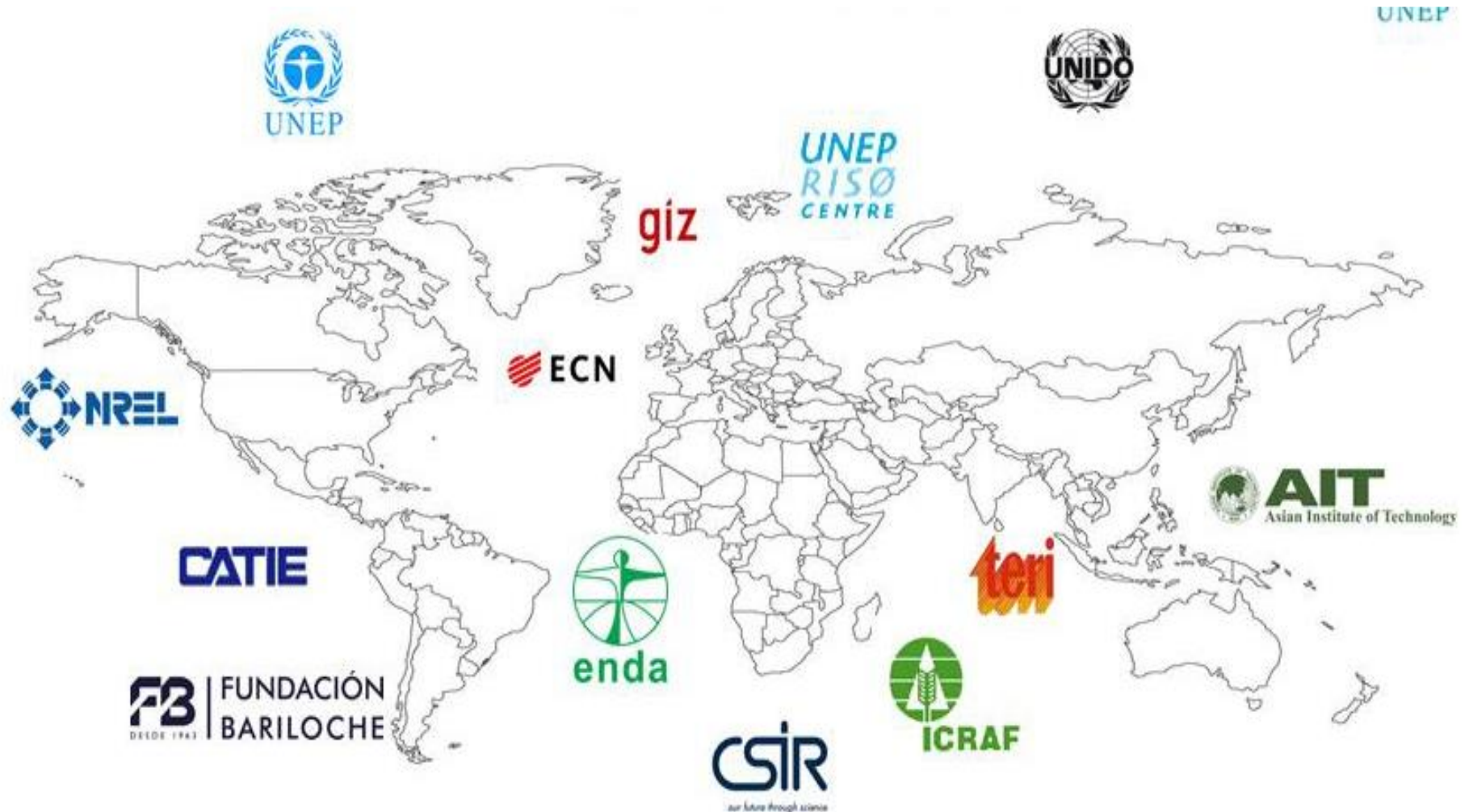
CTCN hosted by UNEP in collaboration with UNIDO and supported by 11 partner institutions with expertise in climate technologies





# CTCN Structure – the Core Centre

CTCN hosted by UNEP in collaboration with UNIDO and supported by 12 partner institutions with expertise in climate technologies

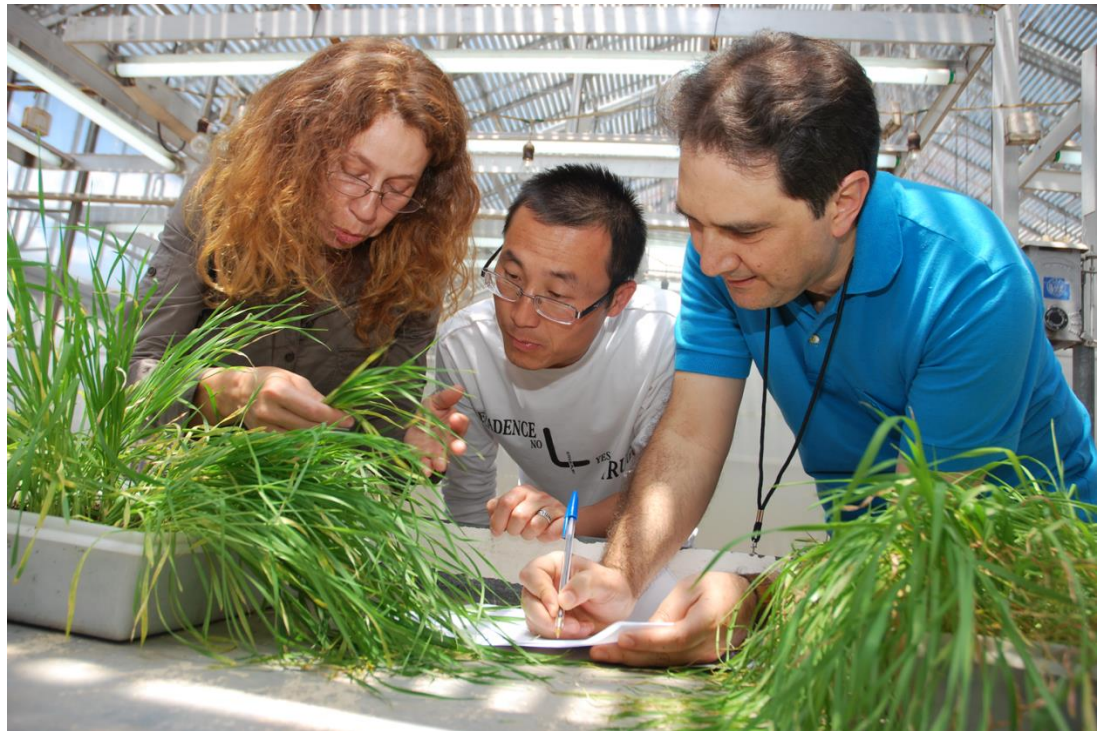




# CTCN Structure – the Network

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Through its Network, the CTCN mobilizes policy and technical expertise from academia, civil society, finance and private sectors to deliver technology solutions, capacity building and implementation advice to developing countries.



# CTCN Services

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## Three core services:

1. Provide technical assistance to developing countries upon their request
2. Increase sharing and access of knowledge and information via the CTCN technology portal and capacity building activities
3. Strengthen networks and partnerships on climate technologies

**Delivered through the member of its Consortium present in all regions, and through the Climate Technology Network**



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# What do we mean by “climate technology” ?

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Climate technology is any equipment, technique, knowledge and skill needed for:

- **reducing greenhouse gas emissions**, through sectors such as:

Agriculture

Energy

Forestry

Industry

Transport

Waste

- and **adapting to climate change**, via sectors such as:

Agriculture

Business

Coastal Zones/Oceans

Disaster Reduction

Early Warning

Education

Fisheries

Forestry

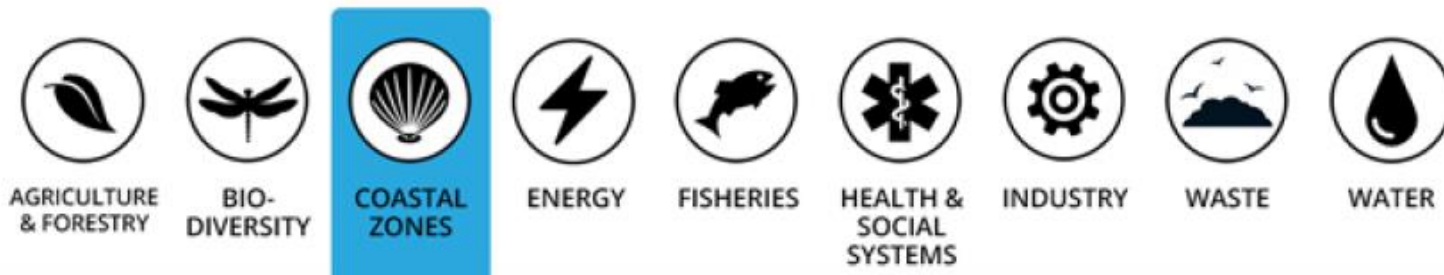
Human Health

Infrastructure/Human Settlement

Terrestrial Ecosystems

Tourism

Water resources





# CTCN Services – I. Technical Assistance

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## **Provided:**

- To developing countries upon their request
- Free of charge (value up to 250,000 USD)
- Expertise that is both state of the art and locally relevant
- To academic, public, NGO, or private entities
- For a broad range of adaptation and mitigation technologies

## **At all stages of the technology cycle:**

- From identification of needs;
- policy assessments;
- selection and piloting technology solutions;
- to assistance that supports technology customization and widespread deployment

# CTCN Technical Assistance: How it works

## **Step 1: Identify the need**

- Academic, agricultural, business, industry, municipal/national government office, or NGO entity needs technical help on a specific topic that is aligned with official government priorities on adapting to climate change or energy efficiency

## **Step 2: Contact National Designated Entity (NDE)**

- The interested party contacts his/her National Designated Entity (NDE). The NDE is the CTCN focal point for the country and is responsible for coordinating and submitting requests for assistance. The NDE works with the applicant to prepare and submit the short request to CTCN headquarters.

## **Step 3: The CTCN selects an expert team**

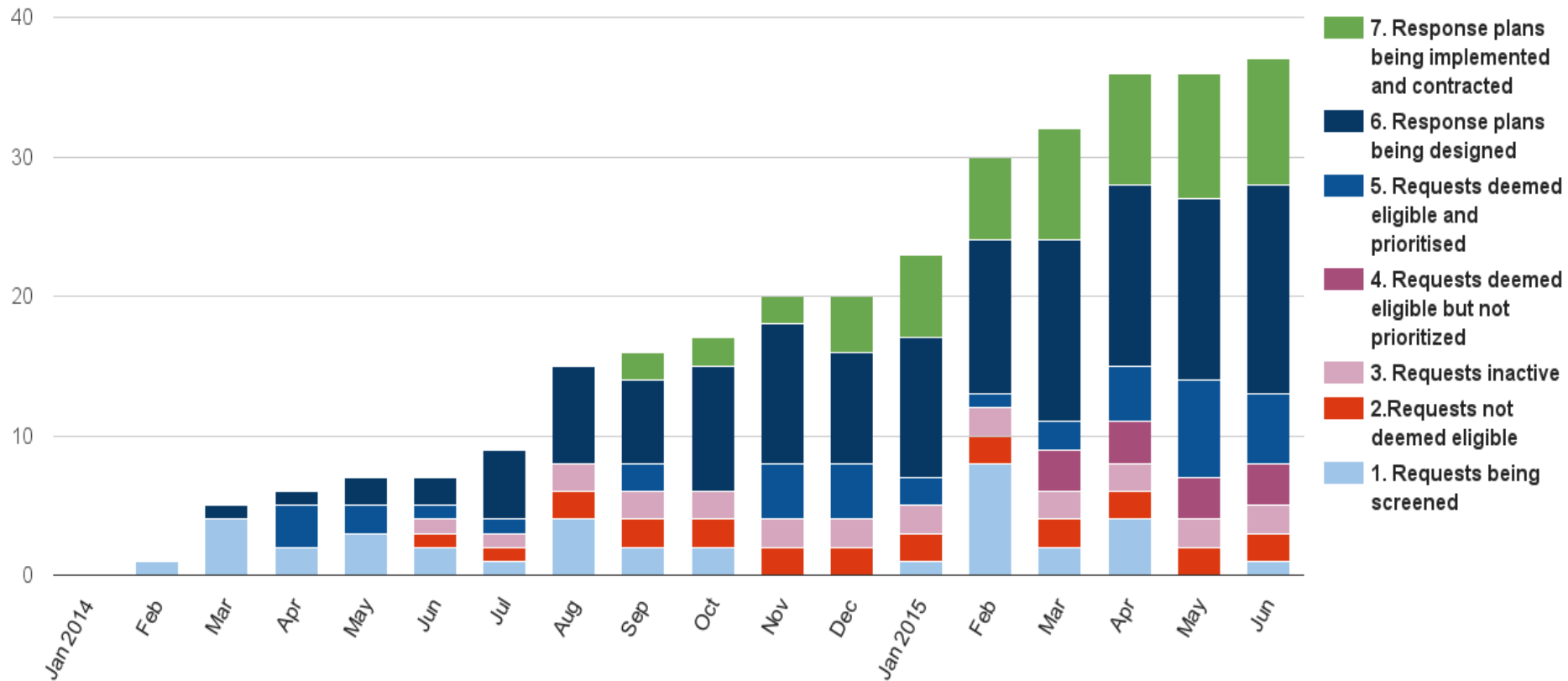
- The CTCN receives the requests, determines eligibility, and assembles a group of experts to develop a plan for the assistance, in close collaboration with the applicant and the NDE. This is a collaborative process and the plan needs to be agreed among all parties.

## **Step 4: The expert team provides a solution**

- The experts work with the applicants and other stakeholders to provide a customized solution to the request.

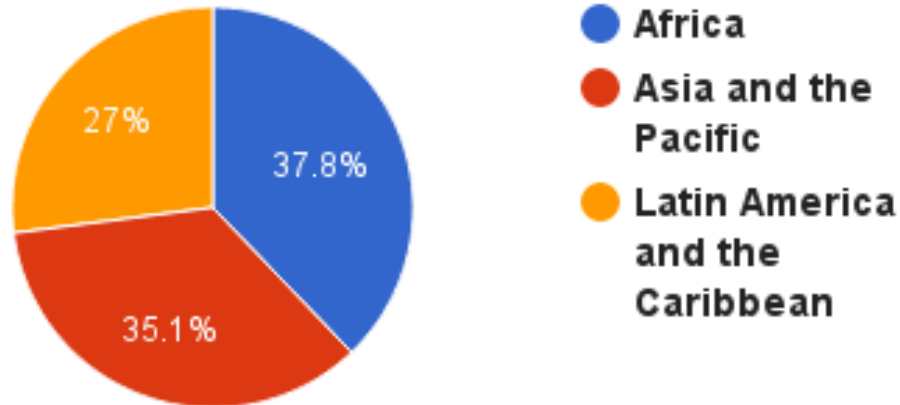
# CTCN Services – I. Technical Assistance (cont.)

A total of 37 requests for technical assistance were submitted to the CTCN

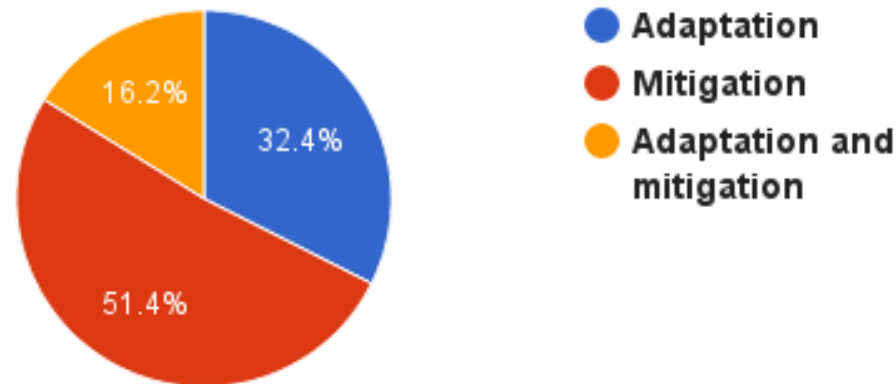


# CTCN Services: I. Technical Assistance (cont)

## Distribution by Region

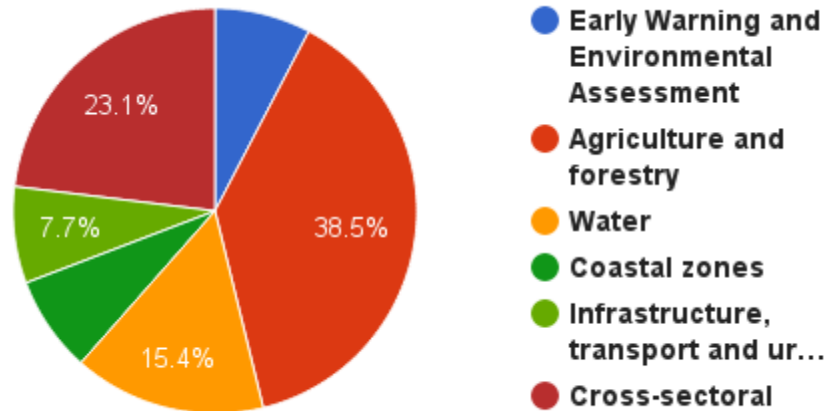


## Distribution by UNFCCC Objective

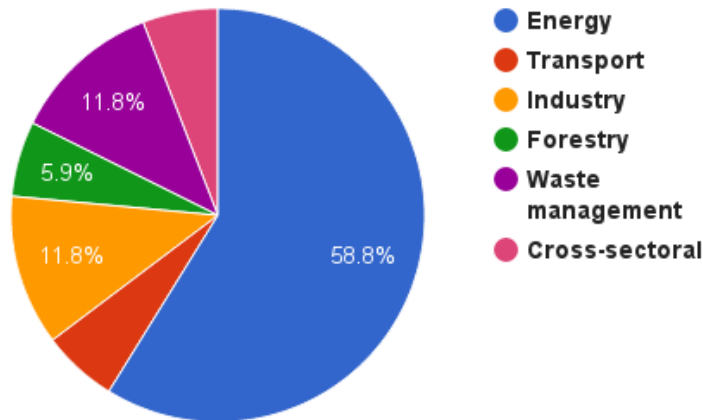


# CTCN Services: I. Technical Assistance (cont)

## Adaptation Requests by Sector



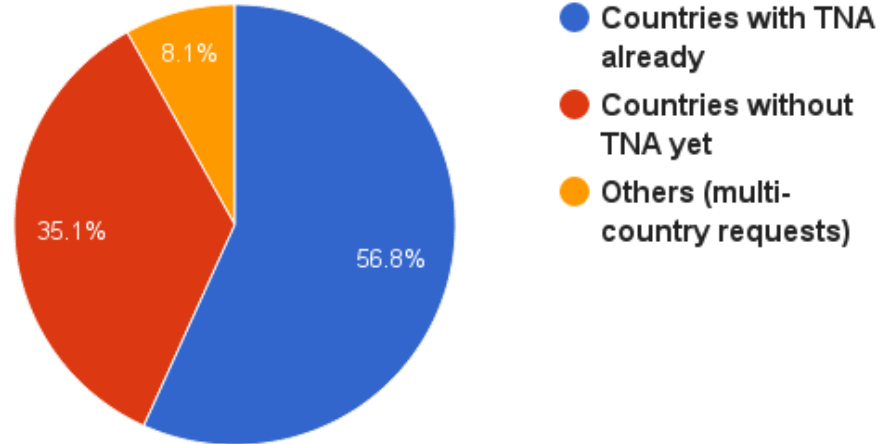
## Mitigation Requests by Sector



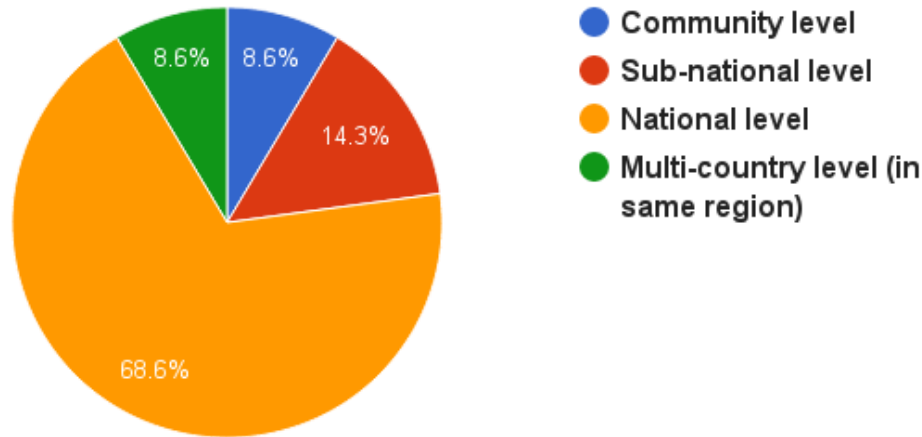


# CTCN Services: I. Technical Assistance (cont)

## Availability of TNA:



## Geographic scale:



# Mali: Agricultural climate resilience and productivity involving crops drying techniques

**Applicant:** GAMA, Malian entrepreneur with a social and environmental focus

**Request:** Support design of agriculture productivity and climate resilience through crop drying practices in a pilot site

**Objective:** To attract private sector investors and enable project demonstration on the ground.

## Assistance:

- Finalization of the business plan
- Preparation for investment
- Financing facilitation work



## Response Expert Team:

- Environment and Development Action in the Third World (ENDA), with support from:
- CTI PFAN



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# Ivory Coast: Environmental Information System (EIS) for addressing climate change challenges

**Applicant:** Sustainable Environment and Energy Development Consulting Center, NDE

**Request:** Support to the elaboration of the Environmental Information System (EIS) for addressing climate change challenges in Côte d'Ivoire

**Objective:** Facilitate the implementation of measures for prevention of climate change challenges

## Assistance:

- Recommendations on climate change related indicators
- Advice on data collection strategy
- Support in the selection of appropriate platform

## Response Expert Team:

- Environment and Development Action in the Third World (ENDA)
- International Agroforestry Centre (ICRAF)



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# CTCN Services: II. Knowledge & Capacity Building

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CTCN strengthens capacity of developing countries to make technology choices and operate, maintain and adapt technology by:

- Managing the CTCN Technology Portal
- Delivering and supporting in-person and web-based training
- Supporting LDCs through the “Request Incubator Programme”
- Linking climate technology ideas with financing opportunity
- Offering the CTCN Secondment Programme

“I particularly liked interacting with NDEs from different countries and sharing their experiences”.

- Participant from Anglophone Africa



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- mental organizations



# CTCN Services: II. Knowledge & CB -Secondment Programme

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## Objectives

- Exchange of expertise and knowledge among members of the CTCN community
- Enhance capacities of the CTCN and partners
- Development of key expertise (demand-driven)
- Improved collaboration, trust and understanding among partners

## Target beneficiaries

Key staff from CTCN partner organizations

## Value propositions

- Greater understanding of how to engage with the CTCN
- Professional development of participating staff
- International exposure and networking opportunities

## Financial implications

- Candidate remains employed and paid by releasing institution
- Level of support depends on home country (see table)



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# CTCN Services: II. Knowledge & CB - Incubator

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**Objective:** Support LDCs to access CTCN assistance, strengthen institutional capacities and reinforce efforts for technology transfer

## Rationale

- Strong and engaged NDEs are key to success of CTCN assistance
- Support particularly needed in LDCs given their specific situation and vulnerability to climate change (cf. Art 4.9 Convention)
- Non LDCs and upper-middle income countries more prone to submitting requests as of today
- LDCs need tailored support to define and prioritize needs for assistance

## Approach

- On-the job training
- Implemented by regional members of the CTCN Consortium



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## CTCN Services: II. Knowledge & CB – Incubator (cont.)

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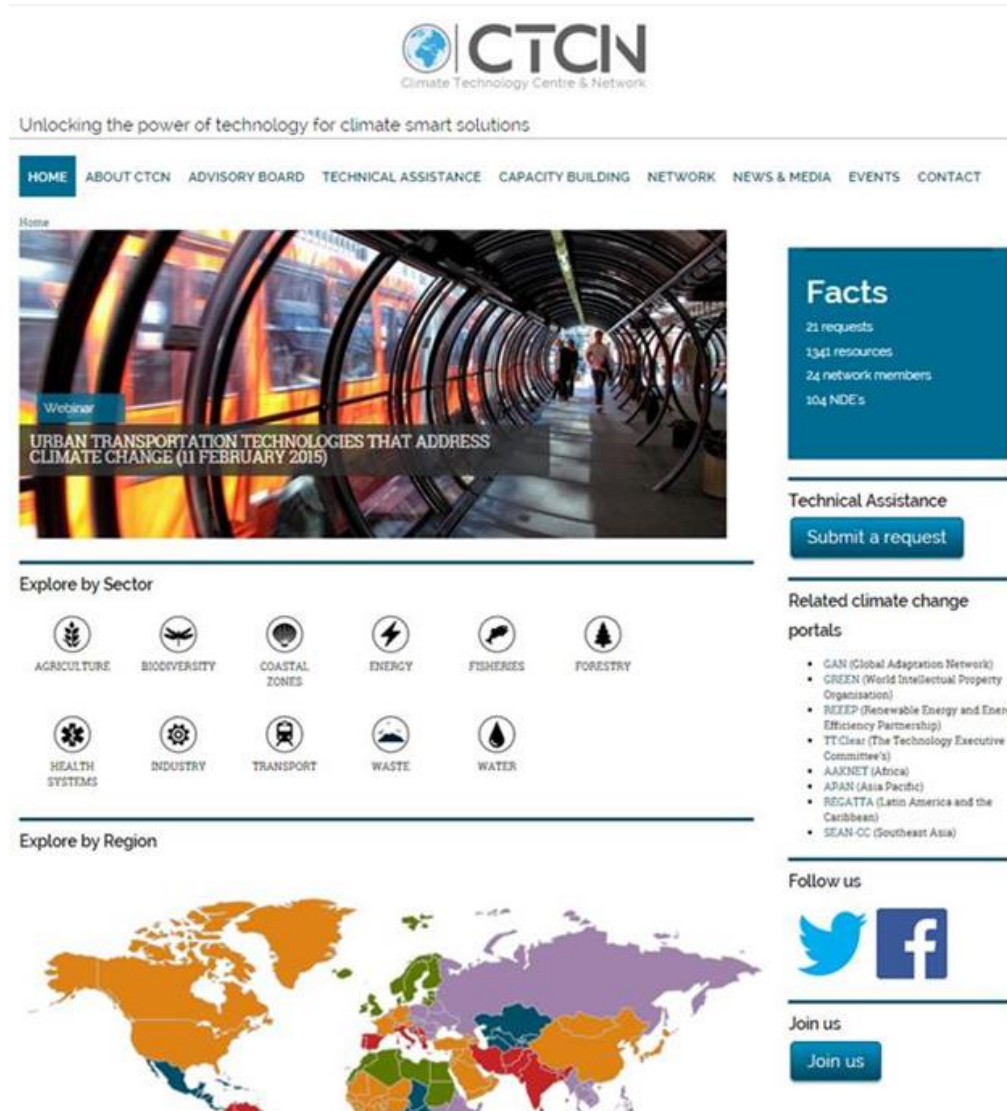
- Programme ongoing in:
  - ✓ **Bangladesh**
  - ✓ **Benin**
  - ✓ **Central African Republic**
  - ✓ **Equatorial Guinea**
  - ✓ **Gambia**
  - ✓ **Guinea**
  - ✓ **Malawi**
  - ✓ **Nepal**
  - ✓ **Rwanda**
  - ✓ **Tanzania**
  - ✓ **Uganda**
- Countries finalizing workplans indicating modules and activities to be conducted.

# CTCN Services: II. Knowledge & CB – KMS

Support for NDEs and country stakeholders with information on:

- Adaptation and mitigation technologies
- Information by sector and country
- Capacity building services
- Linkages to partner organizations' info

Visit [www.ctc-n.org](http://www.ctc-n.org)



The screenshot shows the homepage of the Climate Technology Centre & Network (CTCN). The header features the CTCN logo and the tagline "Unlocking the power of technology for climate smart solutions". Below the header is a navigation menu with links: HOME, ABOUT CTCN, ADVISORY BOARD, TECHNICAL ASSISTANCE, CAPACITY BUILDING, NETWORK, NEWS & MEDIA, EVENTS, and CONTACT.

The main content area includes a large banner image of a modern transit station with the text "Webinar URBAN TRANSPORTATION TECHNOLOGIES THAT ADDRESS CLIMATE CHANGE (11 FEBRUARY 2015)". Below this is a section titled "Explore by Sector" with icons for Agriculture, Biodiversity, Coastal Zones, Energy, Fisheries, Forestry, Health Systems, Industry, Transport, Waste, and Water.

Below the sector icons is a section titled "Explore by Region" featuring a world map with regions color-coded in orange, green, and purple.

On the right side of the page, there is a "Facts" box with the following statistics: 21 requests, 1341 resources, 24 network members, and 104 NDE's. Below this is a "Technical Assistance" section with a "Submit a request" button. Further down is a "Related climate change portals" section listing various international organizations and networks.

At the bottom right, there is a "Follow us" section with social media icons for Twitter and Facebook, and a "Join us" button.

# CTCN Services: III. Networking and Collaboration

## The Climate Technology Network

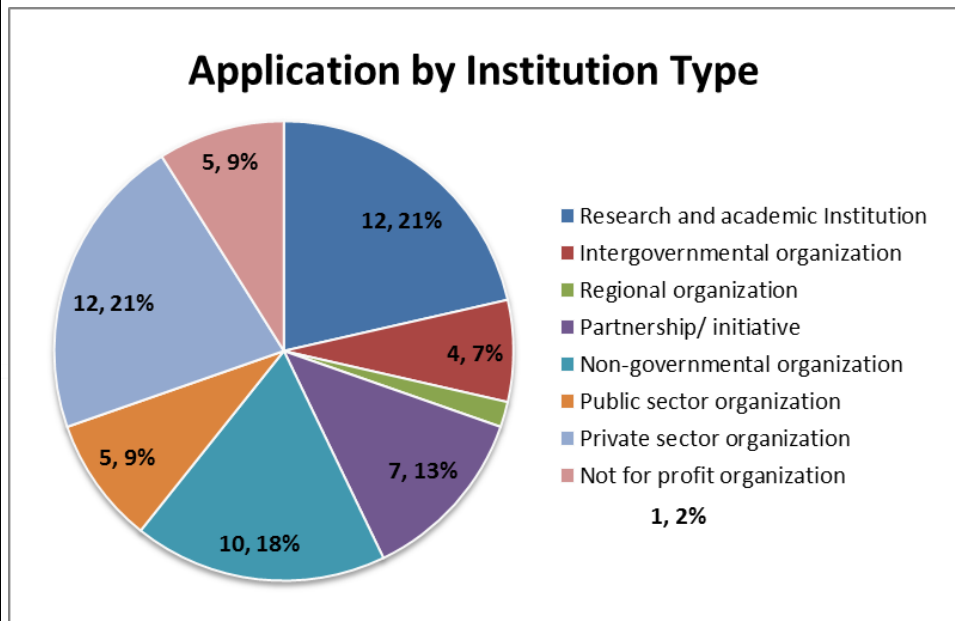
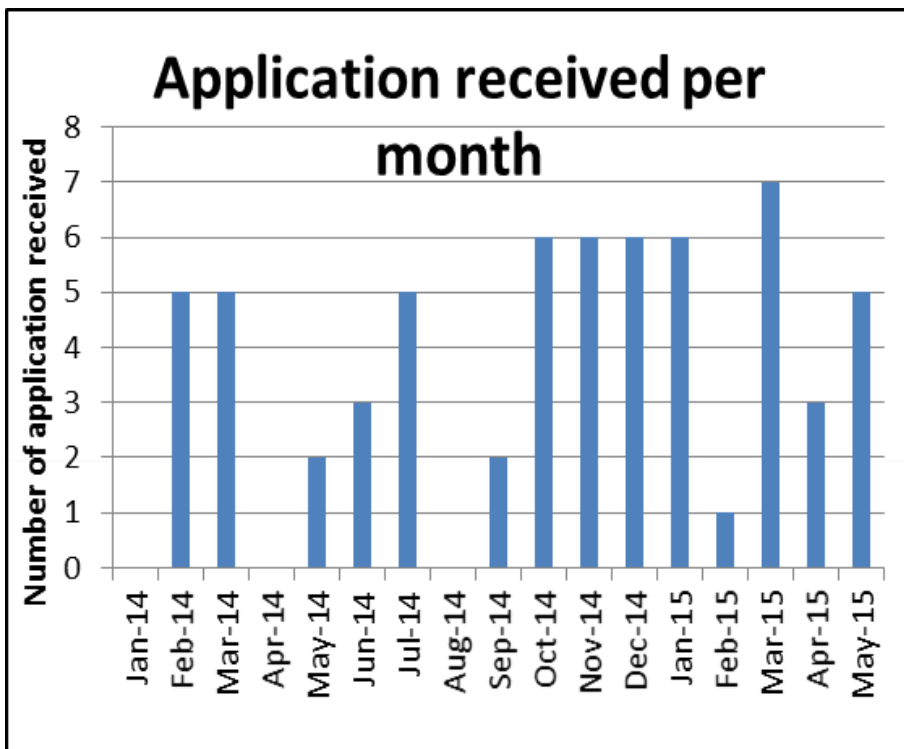
**Total members: 56 (June 2015)**

**Developing country representation**

Annex I	29
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Non-Annex I	18
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International	9
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# CTCN Services: III. Networking and Collaboration (cont.)

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## Stakeholder Engagement Plan

1. **Strengthen the CTCN and the expertise available to countries**
2. **Enhanced collaboration with:**
  - Business and industry (including the private sector)
  - Academia and research institutions
  - Civil society organizations, NGOs
3. **Rationale and Strategy Elements to deliver CTCN goals of:**
  - Responding to country requests with best available expertise
  - Sharing expert information and knowledge (i.e., via KMS)
  - Collaborating through technology transfer partnerships and arrangements

# CTCN Services: III. Networking and Collaboration (cont.)

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## Engagement Mechanisms

1. **Account for different needs though different approaches**
  - **BINGOs, RINGOs, ENGOS**
2. **Involve the BINGO, RINGO, ENGO AB members**
3. **Assess stakeholder engagement**
  - Engagement activities to date by CTCN
  - Successful engagement models from stakeholder communities
  - Perspectives of BINGOs, RINGOs, ENGOS
4. **Outcome**
  - Strategic actions and recommendations for the CTCN
  - Increased Network breadth and expertise

**For more information, please visit:**

**<http://ctc-n.org>**