

**CTCN:
Progress update
and new service
offerings**

www.ctc-n.org
ctcn@unep.org



Agenda

I. CTCN Mandate and Structure

II. CTCN Services

1. Technical Assistance
2. Knowledge sharing
3. Collaboration and networking



United Nations
Framework Convention on
Climate Change



CTCN Structure

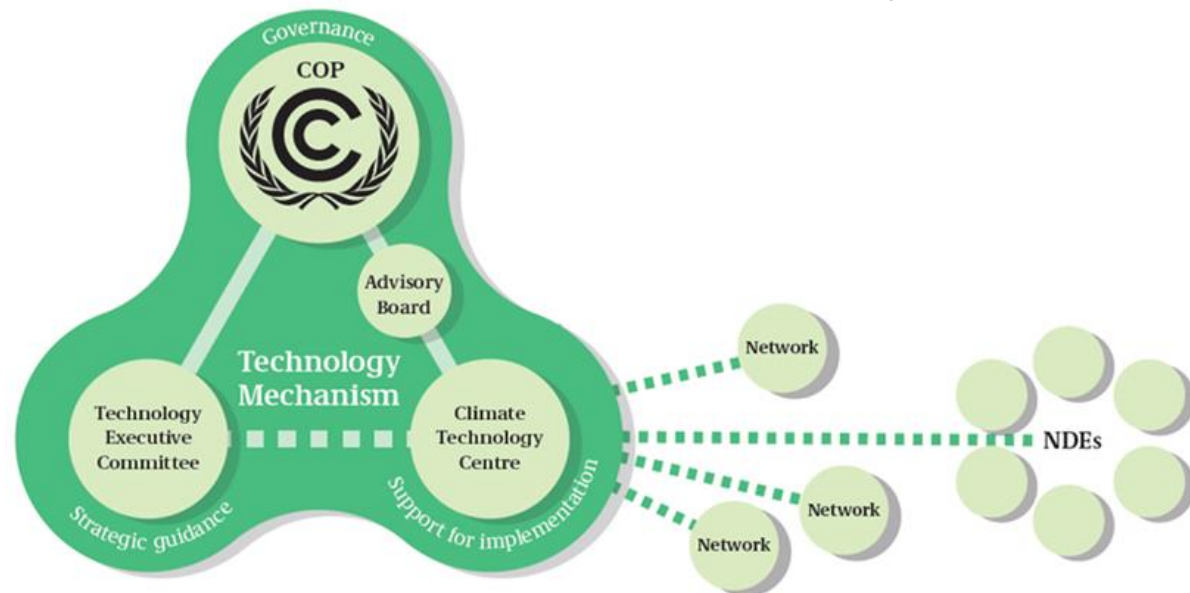
Mission: Stimulate technology cooperation and enhance the development and transfer of technologies to developing country Parties at their request.

Oversight:

- By UNFCCC COP and CTCN Advisory Board

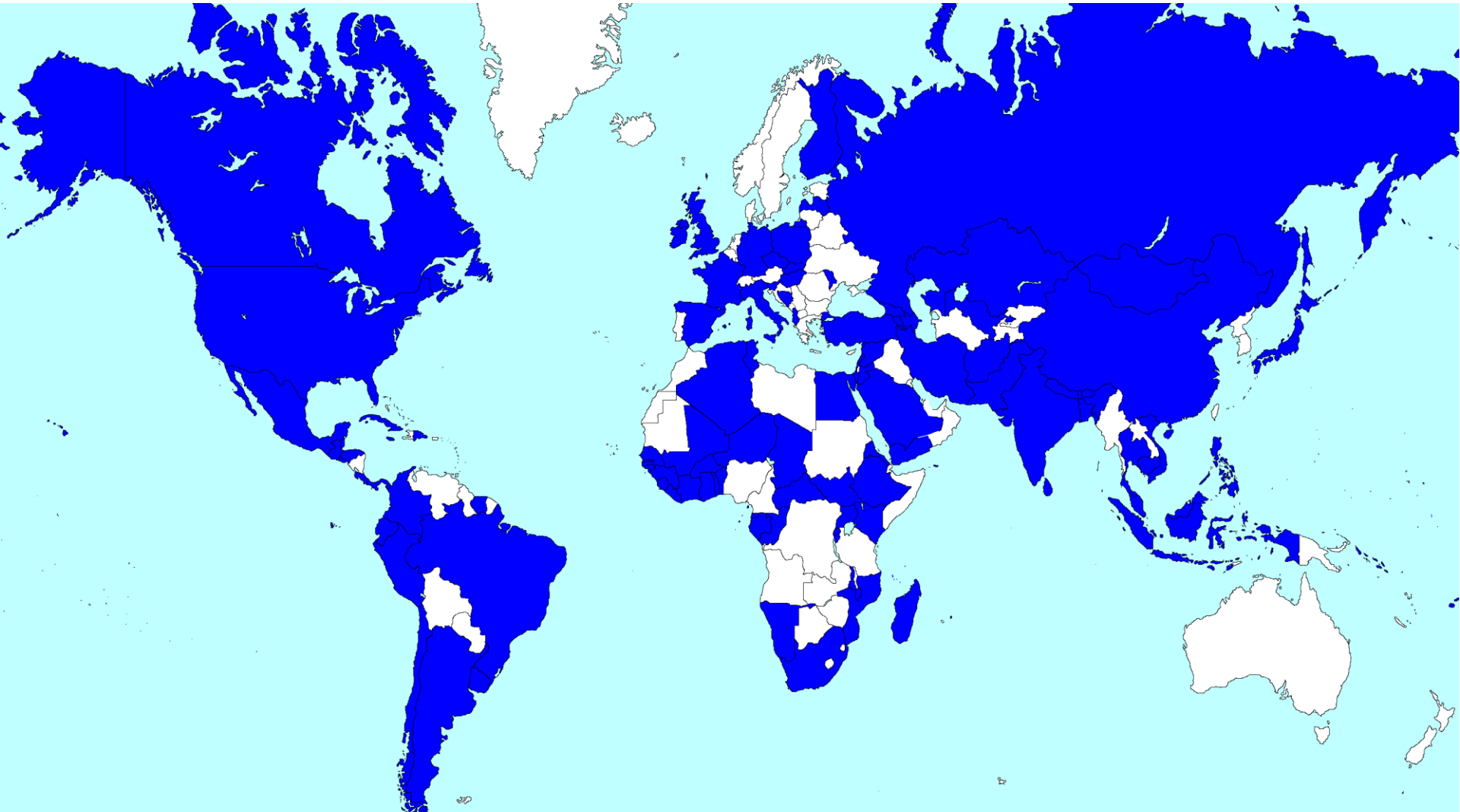
Operations:

- Secretariat hosted by UNEP in collaboration with UNIDO
- Consortium of 11 independent, regional and global climate technology leaders
- Global Network of academic, multilateral, NGO and private sector institution
- National Designated Entities (NDEs), national focal points selected by countries

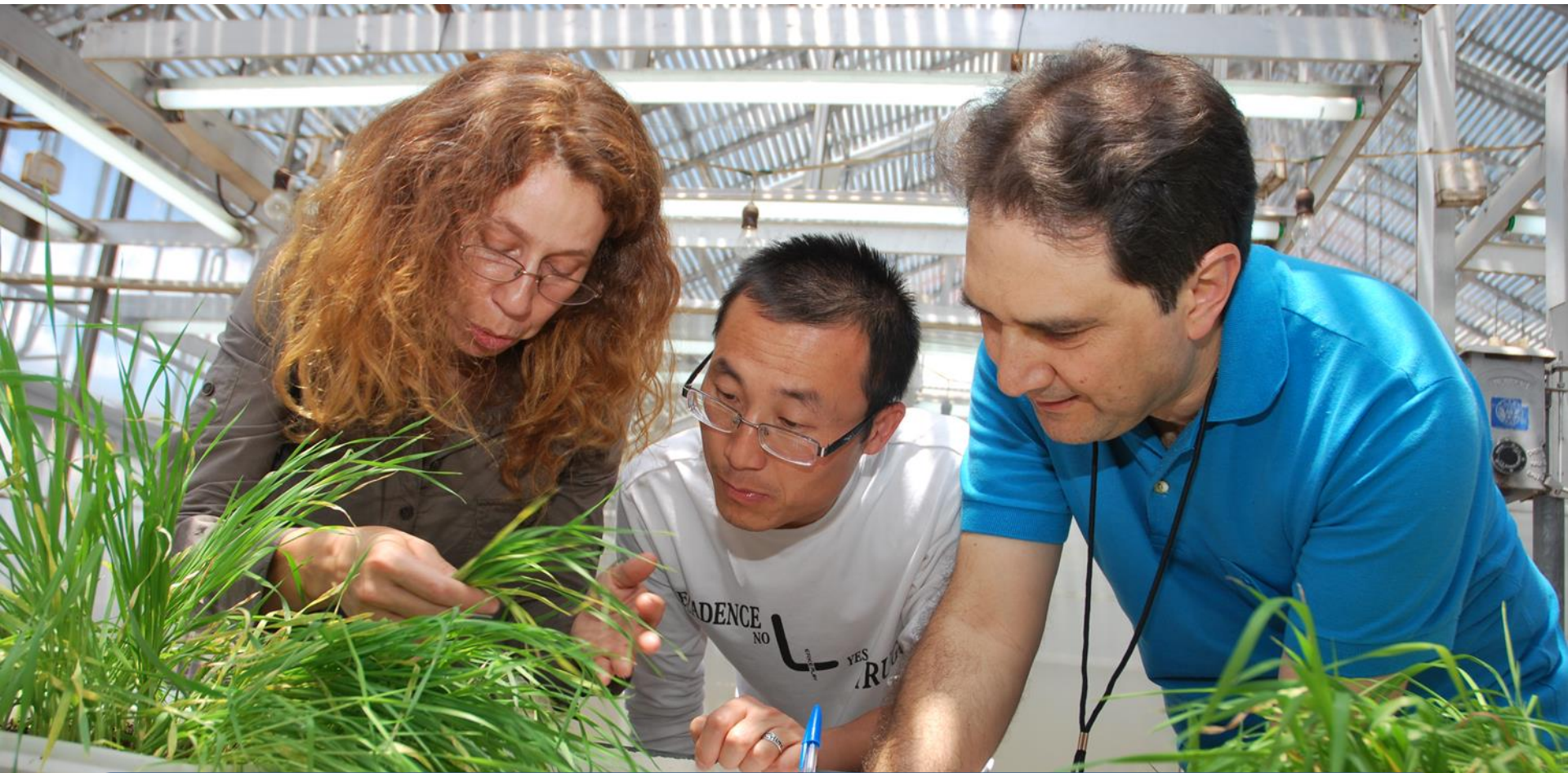


National Designated Entities (NDEs)

116 NDEs have been selected by their countries as of 29 May 2015



Climate Technology Network: 55 Members to date

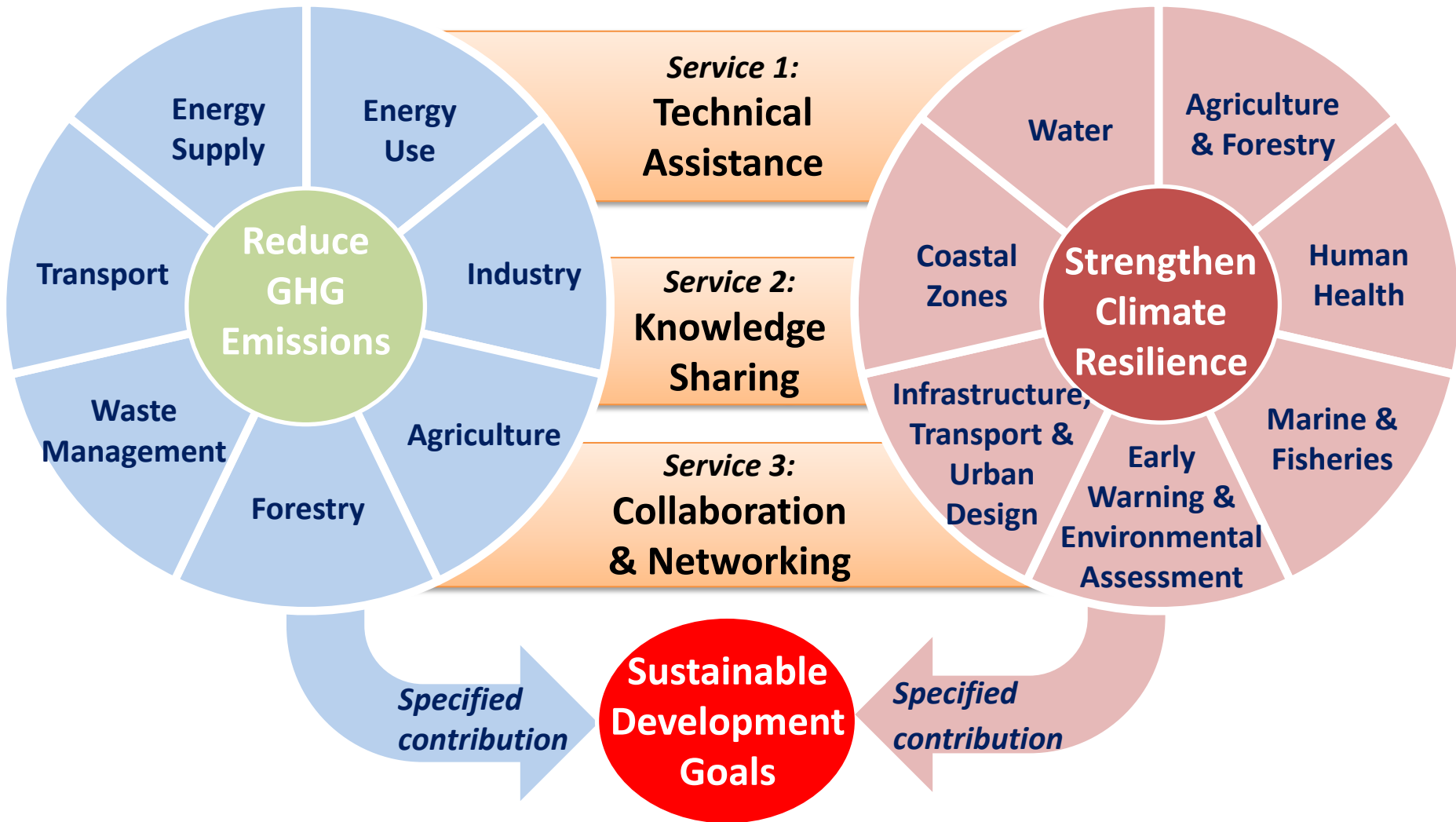


Through its Network, the CTCN mobilizes policy and technical expertise from academia, civil society, finance and private sectors to deliver technology solutions, capacity building and implementation advice to developing countries.

CTCN Consortium

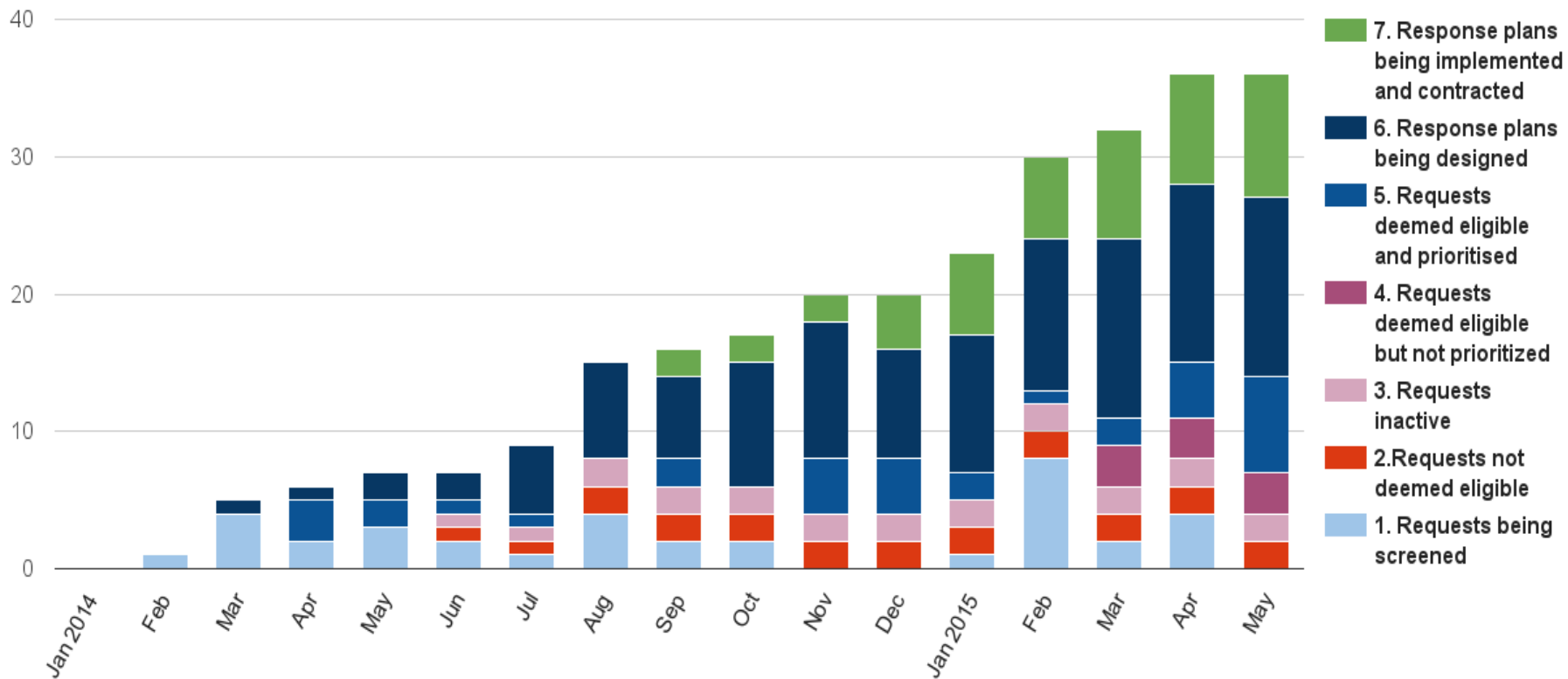


CTCN Services and Impacts



Technical Assistance Status

Progression of CTCN Requests for Technical Assistance



Knowledge Sharing: The Climate Technology Portal



www.ctc-n.org

Unlocking the power of technology for climate smart solutions

HOME

ABOUT CTCN

ADVISORY BOARD

TECHNICAL ASSISTANCE

CAPACITY BUILDING

NETWORK

NEWS & MEDIA

CALENDAR

CONTACT

Home



Facts

27 requests

1358 resources

50 network members

114 NDE's

Technical Assistance

Submit a request

Since portal launch in Dec. 2014:

- **16,762 users** from 172 countries (**139 developing countries**) have visited the site
- Technology **webinar series** introduced: 14 technology webinars on topics such as agriculture, gender, transportation, water issues, and waste management.

Knowledge Sharing: Training & Events

Since 2014, the CTCN has conducted **training workshops** for 170 NDEs and Climate Change Focal Points.

Launched in late 2014: **The Request Incubator Programme for Least Developed Countries**

Provides tailored support in order to:

- Access CTCN technical assistance services
- Coordinate and scale-up national activities related to climate technologies
- Identify funding mechanisms for deploying climate technologies in their countries

11 countries participating in Request Incubator Programme:

- Bangladesh
- Benin
- Central African Republic
- Equatorial Guinea
- Gambia
- Guinea Conakry
- Malawi
- Nepal
- Rwanda
- Tanzania



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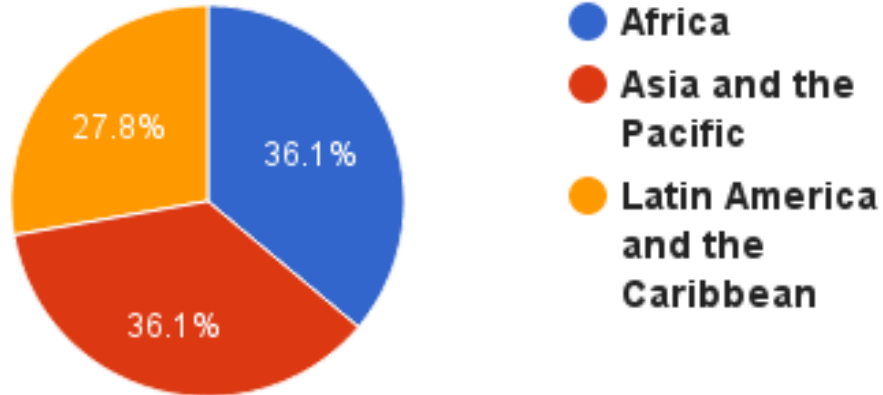


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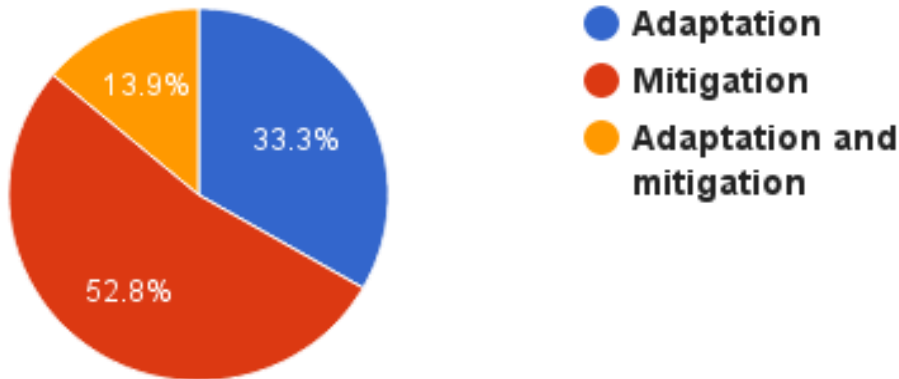


Technical Assistance Status

Distribution by Region

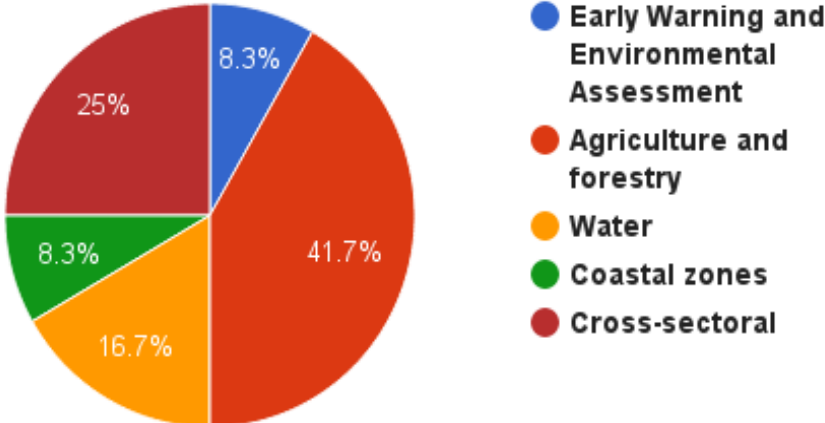


Distribution by UNFCCC Objective

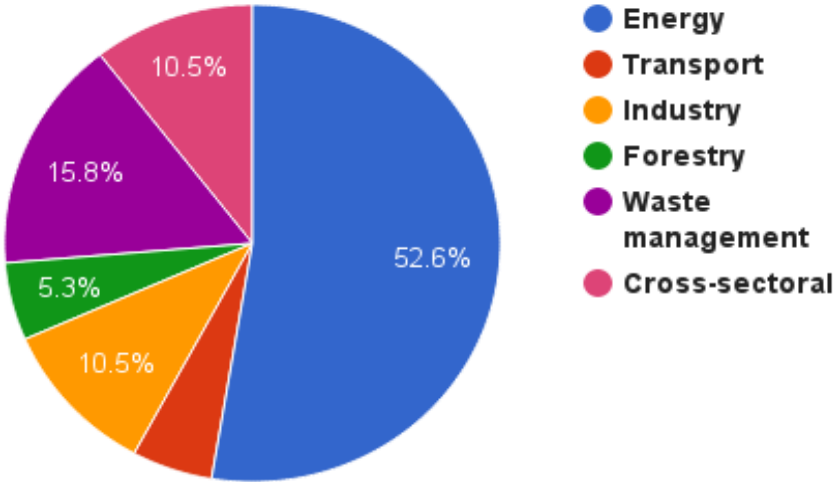


Technical Assistance Status

Adaptation Requests by Sector



Mitigation Requests by Sector

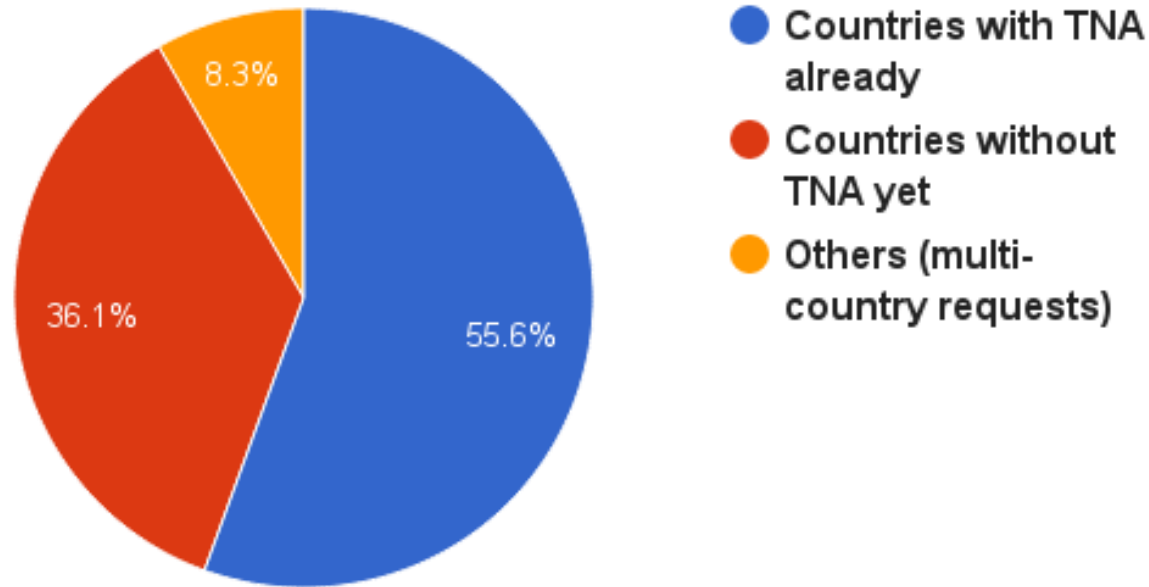


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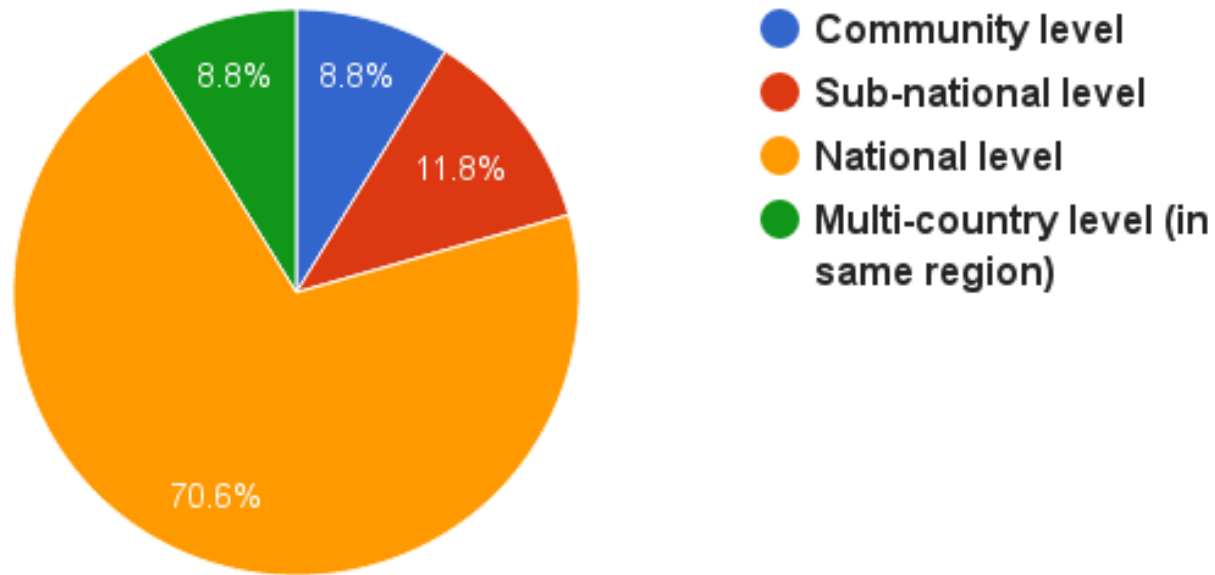
Technical Assistance Status

Requests submitted by countries that have conducted TNA already



Technical Assistance Status

Distribution of Requests Submitted per Geographical Focus



Response Plans being Implemented and Contracted

Country	Sector	Title	Date of submission
Chile	Ecosystems	Design of Biodiversity Monitoring Network in the context of Climate Change	February 21, 2014
Colombia	Monitoring	National Adaptation" Monitoring System	March 18, 2014
Pakistan	Cross-sectoral	Technology Guidance and Support for Conducting the Technology Needs Assessment (TNA)	September 26, 2014
Colombia	Energy	Monitoring and Evaluation of national promotion policies for energy efficiency (EE) and renewable energy (RE) against national targets	March 19, 2014
Colombia	Waste	Development of a Mechanical-Biological Treatment (MBT) pilot project of the Waste NAMA	March 20, 2014
Multi-country	Cross-sectoral	Green Cooling Africa Initiative	August 8, 2014
Côte d'Ivoire	Monitoring	Mise en place d'un Système d'Information Environnementale (SIE) capable de guider le choix d'une bonne politique de développement durable et de favoriser une gestion optimale des questions de changements climatiques	August 29, 2014
Mali	Agriculture	Renforcement de la mise en œuvre d'actions d'adaptation aux changements climatiques et de Développement propre par les communautés rurales au Mali	August 29, 2014
Afghanistan	Cross-sectoral	Technical support and advise for the identification of technology needs in Afghanistan	May 4, 2014

Response Plans being Designed

Country	Sector	Title	Date of submission
Iran (Islamic Republic of)	Energy	Technology of Photovoltaic Solar Cell Design and Manufacturing	June 3, 2014
Côte d'Ivoire	Cross-sectoral	Elaboration d'une stratégie visant la réduction des pollutions atmosphériques dans le district autonome d'Abidjan en vue contribuer aux efforts de réduction des effets néfastes des changements climatiques	August 21, 2014
Bhutan	Transport	Reducing GHG Emissions from Transport by Improving Public Transport Systems through Capacity Building and Use of Technology	October 21, 2014
Namibia	Water	Transformative water harvesting plan for Namibia	October 6, 2014
Iran (Islamic Republic of)	Energy	Micro Combined Heat and Power Technology	November 15, 2014
Mauritius	Energy	Building Capacity for promoting a greenhouse gas mitigation strategy for the proposed power generation facility	November 17, 2014
Mauritius	Energy	Assessment and identification of technology needs and best practices for reducing the GHG emitting potential of the energy sector	November 17, 2014
Dominican Republic	Disaster/ Early Warning	A Community based early Warning System in Every pocket from Santo Domingo, D. N.	January 19, 2015
Indonesia	Disaster/ Early Warning	Integrated River and Coastal Management toward Sustainable Giant Sea Wall Technology Jakarta	February 5, 2015
Uganda	Energy	Formulating Geothermal Energy Policy, Legal and Regulatory Framework	January 16, 2015

Indonesia	Waste	Development of Anaerobic Digester technology for palm Oil Empty Fruit Bunch (EFB) in Indonesia	February 5, 2015
Uruguay	Industry	Replacement of fluorinated refrigerants for end users of refrigeration equipment in the dairy sector	March 13, 2015
Mali	Agriculture	Etude de faisibilite technique et economique pour lever les barrieres à l'implantation de technologies de sechage et stockage de gombo, mangue et pommes de terre pour soutenir la securite alimentaire	April 24, 2015
Multi-country	Agriculture	Capacity Buidling in Ecosystem-based Methods and Green Infrastructure for Sustainable Agriculutre Intensification and Disaster Risk Management	March 31, 2015
Requests Deemed Eligible and Prioritized			
Country	Sector	Title	Date of submission
Senegal	Energy	Development of energy efficiency projects in industries and services	December 31, 2014
Antigua and Barbuda	Cross-sectoral	Technical Assistance for the Implementation of Projects related to the Establishment of a Sustainable Financial Mechanism for Climate Change	February 8, 2015
Senegal	Industry	Green Technology Deployment in Industrial Zones	February 9, 2015
Mongolia	Energy	Revision / Update of existing Renewable Energy Law of Mongolia and developing framework of activities for enactment of draft Law of Mongolia on Energy Conservation	April 24, 2015
Mozambique	Waste	Feasibility study to use waste as fuel for cement factories	April 14, 2015
Dominican Republic	Energy	Developing a NAMA to leapfrog to advanced energy-efficient lighting technologies	March 30, 2015

Requests Deemed Eligible but not Prioritized

Country	Sector	Title	Date of submission
Indonesia	Water	Development of the Ciliwung Watershed Management	February 5, 2015
Indonesia	Energy	Development of Ocean Current Watershed Management	February 5, 2015
Indonesia	Forest	Development of Integrated Carbon Measurements Methodology on Peat lands in Indonesia	February 5, 2015

Requests not Deemed Eligible

Country	Sector	Title	Date of submission
Syrian Arab Republic	Cross-sectoral	Technology Needs Assessment for Climate Change in Syria	August 6, 2014
Pakistan	Agriculture and Fisheries	Propagation of Crop Production Process for Productivity Enhancement	March 18, 2014

Inactive Requests

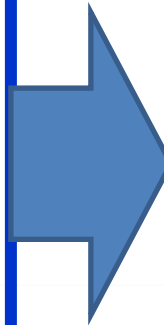
Country	Sector	Title	Date of submission
Multi-country	Cross-sectoral	Consulta para diseno de un Centro Tecnologico de la Alianza Pacifica para el Cambio Climatico	September 9, 2014
Honduras	Ecosystems	Strengthening local capacities at Cuyamel Omoa Protected Area	April 2, 2014

Request to CTCN to help catalyse private sector financing for adaptation

Mali: Climate resilient agriculture productivity

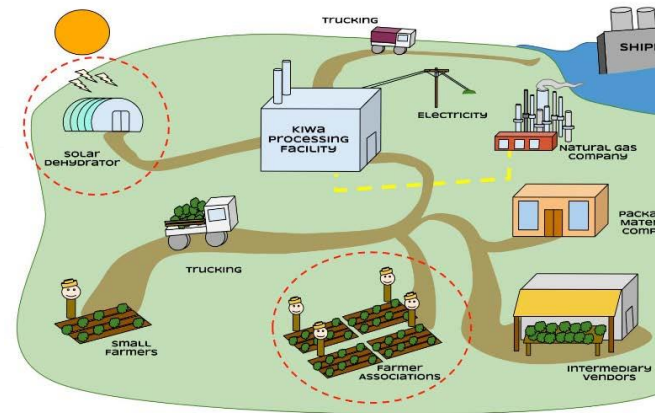
Challenge/Request:

- Climate variability reducing viability of key crops.
- Distribution and drying technologies can strengthen productive viability.
- But investment is required to pilot and scale up these technologies.



CTCN Response:

1. Strengthen business plan and financial case.
2. Identify and introduce local producers to private investors.
3. Train local producers for sales pitch to private investors.



Request to CTCN to support private sector development

Iran: Photovoltaic Solar Cell Design and Manufacturing

Challenge/Request:

- Enable PV modul producers to enhance quality and quantity
- Training of local installers
- Use project as research facility for operation and maintenance
- Test laboratories



CTCN Response:

- Inventory of needs and requirements for PV pilot line
- Recommendations for design of PV industry in Iran
- Recommendation for a specific pilot plant for PV cell manufacturing
- Financial analysis



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Request to CTCN to assist a least developed country

Bhutan: Improve public transport systems

Challenge/Request:

- Building professionalism in public transport
- Increase share of public transport
- CB for private passenger bus operators
- CB on climate change and use of emission testing equipment



CTCN Response:

1. Assistance in development of a full project proposal
2. Capacity building and training by network partners
3. In-country training in conjunction with the CTCN incubator programme



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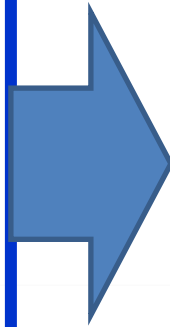


Request to CTCN to help catalyse private sector financing for adaptation

Dominican Republic: Early Warning Communication

Challenge/Request:

- Increased frequency and intensity of extreme storms.
- Mechanisms exist to gain early warning information.
- But the system for communicating it to the public needs improvement.



CTCN Response:

- Help strengthen communications protocols
- Identify new technologies (include mobile phone app)
- Help broker private financing for development and scale up of communication.



Technical Assistance Requests: Eligibility and Priority Criteria

Steps:

1. CTCN Technology Manager acknowledges request {by day 2}
2. Technology Manager assesses {by day 4}
 - a) Eligibility
 - b) Prioritization and balancing
3. Director reviews recommendation {by day 8}
4. Director communicates decision to NDE {by day 10}

**10
working
days max**

Eligibility criteria approved by AB:

1. A) Benefit to mitigating or adapting to climate change.
B) The request is in line with national strategies and plans*
2. Enhances endogenous capacities.*
3. Processes in place in requesting country to monitor and evaluate.*

Prioritisation criteria:

1. Promoted endogenous and appropriate technologies and processes.*
2. “Project readiness” and potential for replication or scaling up.
3. Collaboration amongst stakeholders.*
4. Social and economic benefits.
5. Gender equality and empowerment of vulnerable groups.

Balancing criteria:

1. Inter and intra-regional equity
2. Balance adaptation and mitigation
3. Balance spanning the technology cycle

Questions on CTCN Technical Assistance? Contact:

- CTCN Technology Manager on Adaptation
Jason Spensley: jason.spensley@unep.org
- CTCN Technology Manager on Mitigation
Harald Diaz-Bone: h.diaz-bone@unido.org



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* Footnotes



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Knowledge Management System

Support for NDEs and country stakeholders with information on:

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

Development is ongoing – we welcome your input at ctcn@unep.org

The screenshot displays the CTCN (Climate Technology Centre & Network) website. At the top, the CTCN logo is accompanied by the tagline "Unlocking the power of technology for climate smart solutions". A navigation menu includes links for HOME, ABOUT CTCN, ADVISORY BOARD, TECHNICAL ASSISTANCE, CAPACITY BUILDING, NETWORK, NEWS & MEDIA, EVENTS, and CONTACT. The main content area features a large image of a modern transit station with a "Webinar" overlay titled "URBAN TRANSPORTATION TECHNOLOGIES THAT ADDRESS CLIMATE CHANGE (11 FEBRUARY 2015)". Below this, there are two filter sections: "Explore by Sector" with icons for Agriculture, Biodiversity, Coastal Zones, Energy, Fisheries, Forestry, Health Systems, Industry, Transport, Waste, and Water; and "Explore by Region" with a world map. On the right side, a "Facts" sidebar lists 21 requests, 1341 resources, 24 network members, and 104 NDEs. Below this is a "Technical Assistance" section with a "Submit a request" button, and a "Related climate change portals" section listing various international networks like GAN, GREEN, REEEP, TTClear, AAKNET, ARAN, RECATTA, and SEAN-CC. At the bottom right, there are social media icons for Twitter and Facebook, and a "Join us" button.



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Climate Knowledge Event



- Emerging alliance of around 50 of the leading global, regional and national knowledge brokers specialising in climate and development information.
- Diverse set of information players, from international organisations to research institutes, NGOs and good practice networks, and covers the full breadth of climate related themes.
- Focus on primarily online initiatives, and those that play an explicit knowledge brokerage role, rather than being simply institutional websites.

CKB Workshop 24-25 June 2015
Copenhagen, Denmark



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CTCN Services – Regional Fora for NDEs

In 2015, the CTCN is bringing together NDEs, Network members and other key climate technology finance and policy stakeholders for regional meetings to promote collaboration and sharing of best practices.

ASIA

April 28 – 30, Bangkok

AFRICA

June 22-26, Dakar – Senegal (Francophone Africa)

June 22-26, Arusha – Tanzania (Anglophone Africa)

Back to back with the TNA training workshops.

EASTER EUROPE AND MIDDLE EAST

October 1-3, Yerevan, Armenia

CARIBBEAN SIDS, PACIFIC SIDS and LATIN AMERICA

Fall 2015, exact dates and places TBD



CTCN Secondment Programme

Objectives

- Knowledge exchange among CTCN community members
- Improved collaboration, trust and understanding among partners

Participants

Key staff from CTCN partner organizations

- **Consortium partners, donors, NDEs, and Network members**

Financial implications

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

First round of applications currently under review

Annex 1:

Accommodation

Non-Annex 1:

Accommodation +
flight

LDC:

Accommodation +
flight + 50€ DSA

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Delivering Technical Assistance through the Network

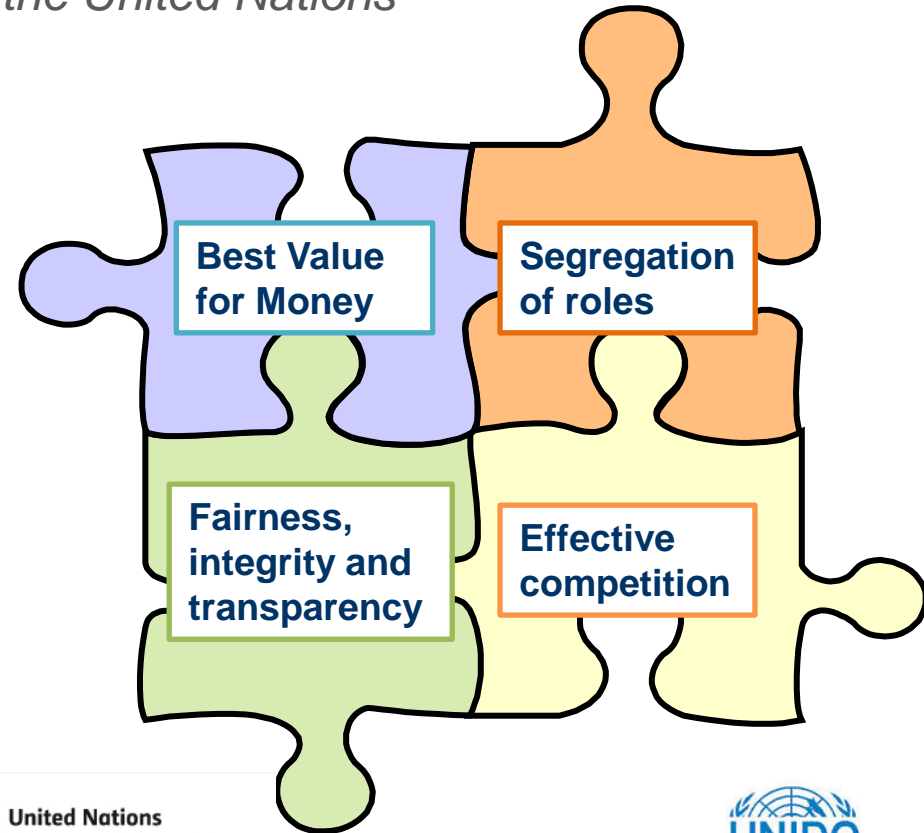
Key Guidance

4th Advisory Board meeting highlighted importance of Network for implementation of Technical Assistance

“...ensure fair and open international tendering for the procurement of services in line with the fiduciary and ethical standards of the United Nations”

Procurement via UNIDO

- Fully integrated eProcurement
- 265+ million USD goods and services procured by UNIDO for technical cooperation and operations

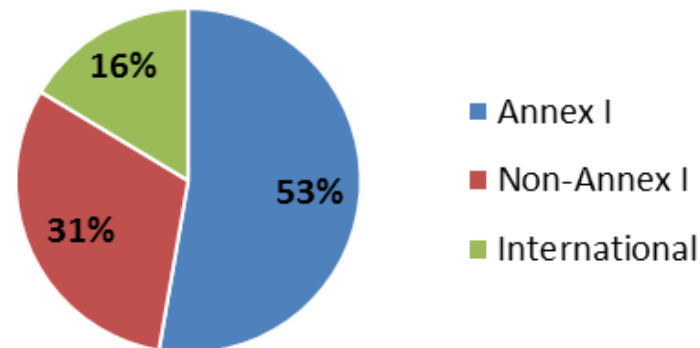


Network Status

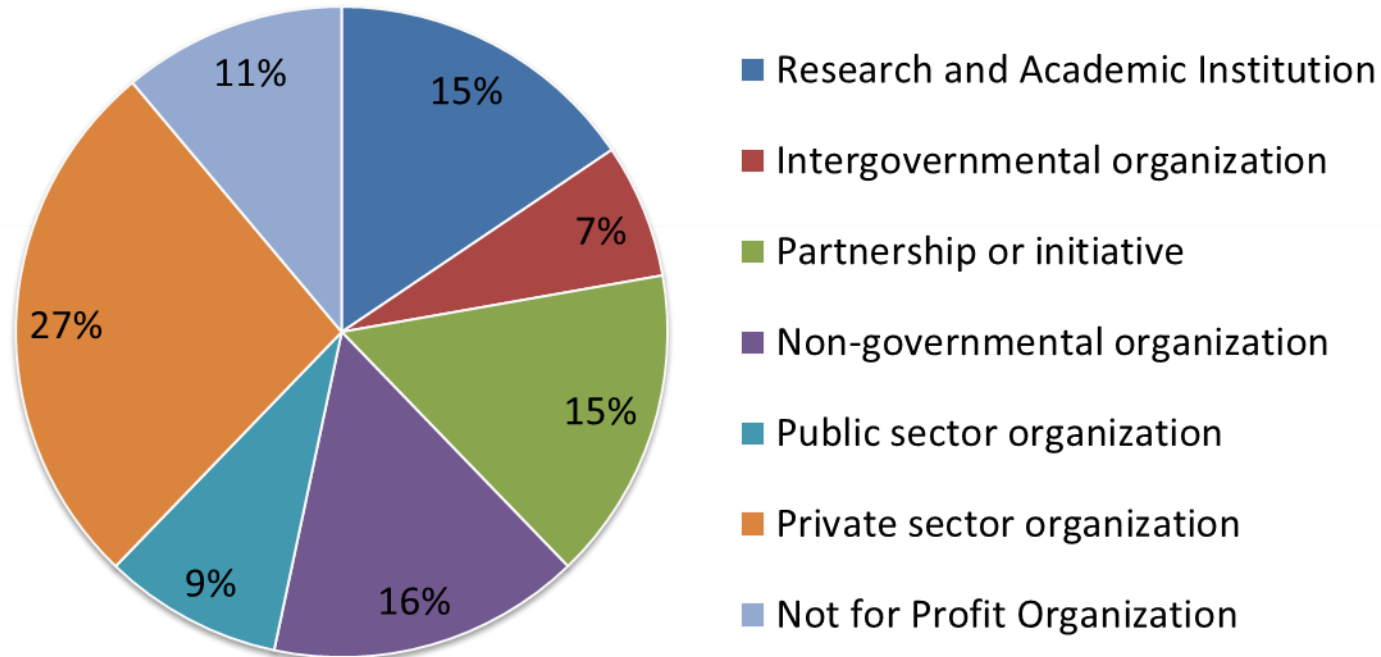
Network members by region

Africa	4
North-America	7
Latin America and the Caribbean	6
Asia	15
Europe	18
Oceania	3
International	2
Total	55

Network distribution by UNFCCC country designation

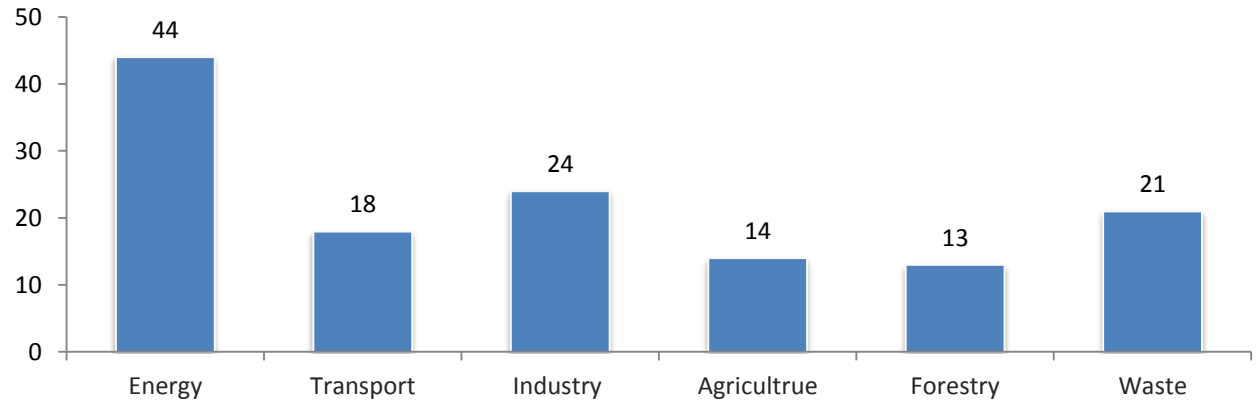


Network by type of institution

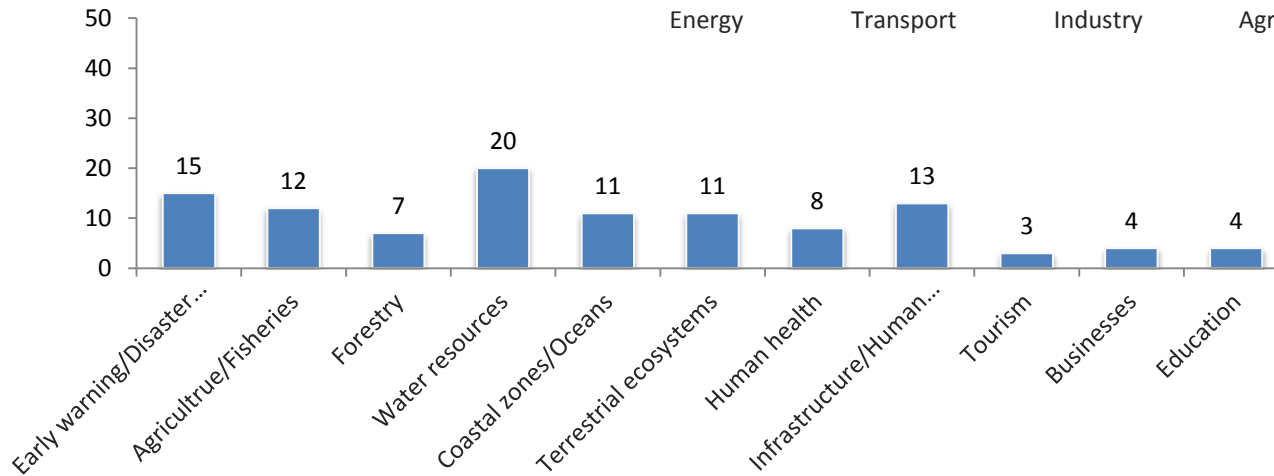


Network Expertise by Sector and Service Type

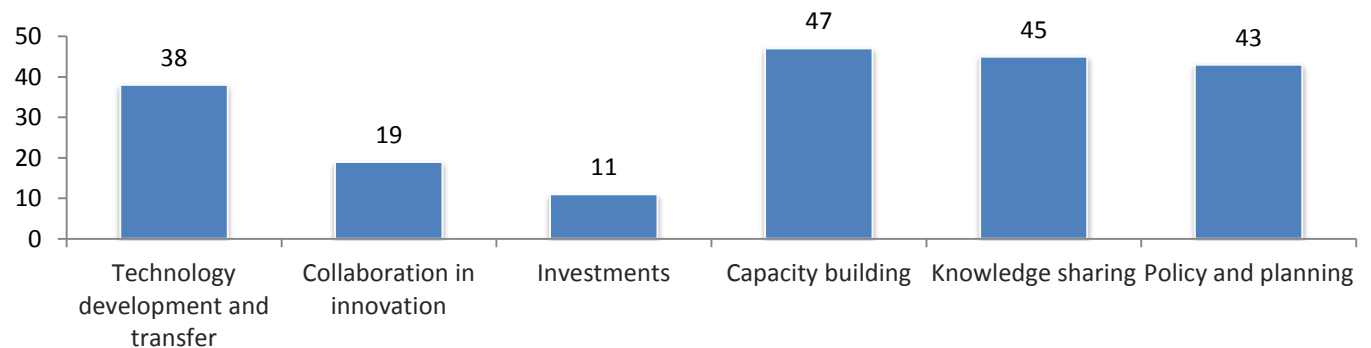
Mitigation sectors



Adaptation sectors



Service types





The Climate Technology Centre gratefully acknowledges the financial support of the European Union and the governments of Canada, Denmark, Germany, Japan, Norway, Switzerland, and the United States.

For more information, please visit:

<http://ctc-n.org>