



Climate Technology Portal

www.ctc-n.org



United Nations
Framework Convention on
Climate Change





COP Decision 25/CP.19

The CTCN should create an:

- **Information platform**

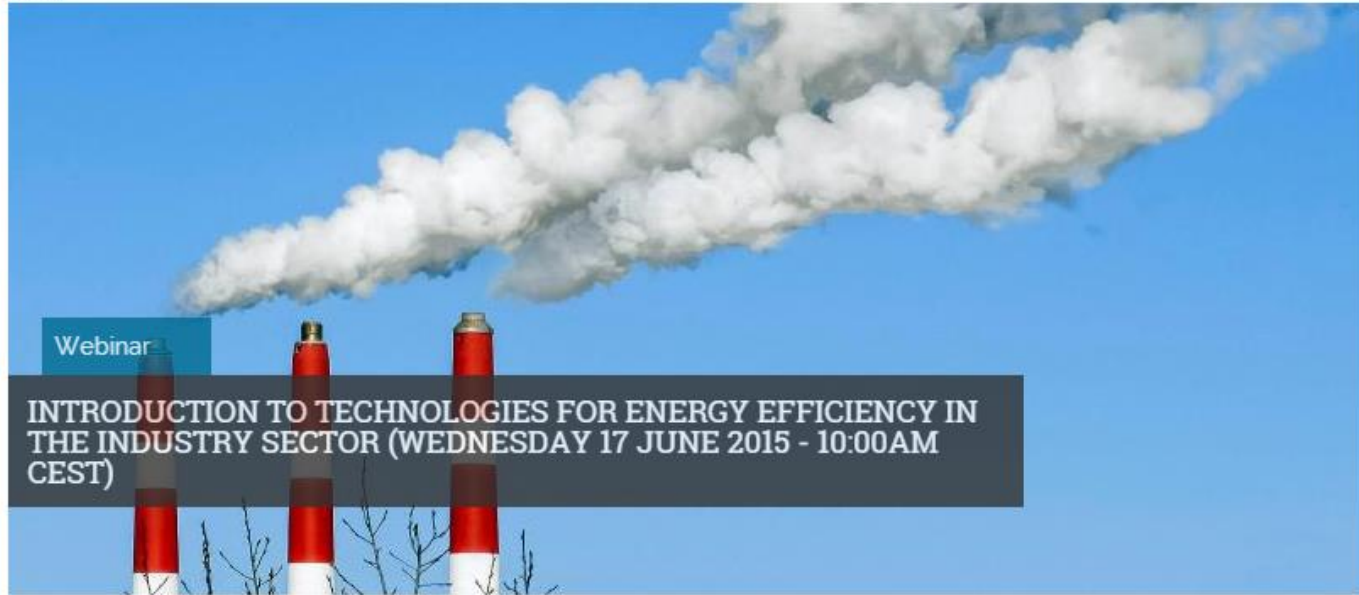
- **For NDES**, Parties and other technology stakeholders

- To share information on **CTCN activities and results**; and

- With **links to resources** from sources around the world

Unlocking the power of technology for climate smart solutions

Home



Facts

- 27 requests
- 1358 resources
- 56 network members
- 114 NDE's

[Technical Assistance](#)

[Submit a request](#)

Explore by Sector

Related climate change

Unlocking the power of technology for climate smart solutions

[Home](#) » [Technical Assistance](#)




Submit a request

If you are an NDE that is registered with the CTCN, you can submit a request

Alternatively download the request form, complete it and send to ctcn@unep.org.

Request forms are available for download.

Documents:

-  [English version](#)
-  [Spanish version](#)
-  [French version](#)

Technical Assistance

- [Submit a request](#)
- [List of Technical Assistance Requests](#)

Please fill in the form in the grey spaces, by following the instructions in italic.

Requesting country:	
----------------------------	--

Request title:	
-----------------------	--

Contact information:		
<i>{Please fill in the table below with the requested information. The request proponent is the organization that the request originates from, if different from the National Designated Entity (NDE).}</i>		
	National Designated Entity	Request Applicant
Contact person:		
Position:		
Organization:		
Phone:		
Fax:		
Email:		
Postal address:		

Technology Needs Assessment (TNA):
<i>{Select one of the three boxes below:}</i>
<input type="checkbox"/> <i>The requesting country has conducted a TNA in (please insert date of TNA completion)</i>
<input type="checkbox"/> <i>The requesting country is currently conducting a TNA</i>
<input type="checkbox"/> <i>The requesting country has never conducted a TNA</i>
<i>{If the requesting country has completed a TNA, please indicate what climate technology priority this request directly relates to. Please indicate reference in TNA/TAP/Project Ideas.}</i>

CTCN Request Incubator Programme:
<i>{Please indicate if this request was developed with support from the Request Incubator Programme.}</i>

Home » Technical Assistance

Technical Assistance requested by NDEs

Date of submission	Countries	Title	Objective	Sectors	Enabler	Approach
21 August 2014	Côte d'Ivoire	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	Mitigation		Governance and planning	
8 August 2014	Ghana, Kenya, Mauritius, Namibia	Green Cooling Africa Initiative (GCAI)	Mitigation	Industry		
3 June 2014	Iran	Technology of Photovoltaic Solar Cell Design and Manufacturing	Mitigation	Energy use		
4 May 2014	Afghanistan	Technical support and advise for the identification of technology needs in Afghanistan	Adaptation, Mitigation		Governance and planning	
20 March 2014	Colombia	Development of a Mechanical-Biological Treatment (MBT) pilot project of the Waste NAMA	Mitigation	Waste management		
19 March 2014	Colombia	Monitoring and Evaluation of national promotion policies for energy efficiency (EE) and renewable energy (RE) against national targets	Mitigation	Energy use		
18 March 2014	Colombia	National Adaptation Monitoring System for Colombia	Adaptation		Governance and planning	
21 February 2014	Chile	Design of Biodiversity Monitoring Network in the context of Climate Change	Adaptation		Governance and planning	Ecosystems and biodiversity

Technical Assistance

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→ [List of Technical Assistance](#)

Design of Biodiversity Monitoring Network in the context of Climate Change

Submitted by rene.freytag on 24 November 2014 - 11:50am

Countries:

[Chile](#)

Objective:

[Adaptation](#)

Enabler:

[Governance and planning](#)

Approach:

[Ecosystems and biodiversity](#)

Geographical scope:

[National](#)

Problem statement:

Chile is a country of markedly contrasting climatic and ecological environments, including coastal, desert, island, marine and mountainous settings. The Chilean population depends on the biodiversity created by these diverse ecosystems in many ways. As climate change takes place, a dynamic and consistent assessment of the state of Chile's biodiversity is essential to inform decision making, as well as to develop and maintain the necessary safeguards for the sustainable use and conservation of these biological assets. This information is not only useful for public environmental institutions, but also for a diverse set of actors that are involved in developing projects and interventions in line with evolving environmental and social standards.

Past and ongoing efforts:

The creation of a biodiversity health monitoring network in the context of climate change adaptation is clearly identified as a major need for the environmental institutions of the country. In this regard, previous assessments under the direction of the Ministry of Environment (MMA for its Spanish acronym) have revealed the appropriateness of counting with this network as a significant objective for public policy in relation to biodiversity and climate change adaptation (MMA-IEB, 2010). This need has been picked up in the Adaptation Plan on Climate Change for Biodiversity, which has been completed in January 2014. This Plan corresponds to one of nine sectorial plans that the MMA has committed to develop.

It is worth highlighting that in Chile there has been progress or early stage development of diverse initiatives in regard to species and ecosystem monitoring. Among them we can mention:

1. A study of terrestrial biodiversity vulnerability in the Mediterranean ecoregion under the context of climate change adaptation (MMA-IEB, 2010);
2. A study called Climate Change Adaptation Plan for Biodiversity executed by AGRIMED, Center of the University of Chile for the Ministry of Environment (MMA-AGRIMED, 2013), which provides guidelines about climatic stress on terrestrial ecosystems under projected climate change scenarios for 2030 and 2050;
3. An initiative related to monitoring biodiversity of protected areas, particularly in ecological restoration projects started in collaboration with Parks Canada and The Chilean National Forestry Corporation (CONAF for its Spanish acronym) in the Nevado de Tres Cruces National Park, El Yali National Reserve, and Torres del Paine National Park;
4. Wetland monitoring is an additional concern where environmental policies have promoted important efforts;
5. A project for the classification of terrestrial ecosystems according to their current conservation condition (IEB-MMA, 2013); and
6. Universities and academic centers have devoted significant efforts and resources to studying biodiversity (IEB, Austral University, CEAZA, University of Chile, EULA Center), under different scopes and perspectives.



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Home

Capacity building

The Climate Technology Centre and Network facilitates the provision of information, training and support to build and/or strengthen the capacity of developing countries to identify technology options, make technology choices and operate, maintain and adapt technology. As part of this effort, the CTCN strives to identify, disseminate and assist in developing analytical tools, policies and best practices for country-driven planning to support the dissemination of environmentally sound technologies. It does this through National Designated Entity training, webinars and in-person workshops. Special focus is also paid to providing tailored capacity building services to least developed countries (LDCs).



Capacity building

- [CTCN webinars](#)
- [Request Incubator](#)
- [CTCN Secondment programme](#)
- [Regional Fora](#)
- [Training for National Designated Entities](#)

Stay informed

Build your networks, make partners, and stay informed of CTCN activities and services. Subscribe to our monthly newsletter.

Newsletter

Webinars

Email Address *

First Name

Last Name

Submit

Calendar

June 2015

- **Wednesday 17 June 2015 - 10:00am CEST - Webinar**
Introduction to Technologies for Energy Efficiency in the Industry Sector

Join our CTCN Consortium Partner, the Energy Research Centre of the Netherlands, for this webinar on climate technology for energy efficiency in the industry.

- **Friday 19 June 2015 - 12:00pm to 1:15pm CEST - Austria - Event**
Vienna Energy Forum: CTCN and Climate Technology Facilitation "Blending targeted technical assistance with appropriate financing"

This side event represents an opportunity for thought leaders to exchange views and experience on issues pertaining to climate technology facilitation. Key stakeholders – policy makers, financiers, as well as representatives from international organizations and academia – will interact on salient issues around delivering technical assistance combined with appropriate financing to foster climate technologies deployment. This side event is expected to inform mechanisms dedicated to assist developing countries in their climate technology transition.

- **Monday 22 June 2015 - 2:00pm CEST - Denmark - Event**
2015 CKB Outreach Event: Creating a 'Climate Knowledge Grid'

The outreach event is an open session and cocktail reception to learn what climate knowledge brokers are doing to connect up climate knowledge, and discuss how your organisation can benefit and 'plug in' to the 'climate knowledge grid'. It is organized by the CKB Group jointly with CTCN, CDKN and REEEP.



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Regional pages

[Home](#)

Eastern Africa

News

- 22 June 2015 - Climate Knowledge Brokers Live Stream at UN City
- 14 June 2015 - A UN climate technology broker: Creating opportunity for climate technology solutions in emerging markets
- 10 June 2015 - CTCN welcomes the Nordic Development Fund (NDF) at UN City in Copenhagen, Denmark
- 5 June 2015 - New Publication: Developing Effective Off-Grid Lighting Policy - Guidance Note for Governments in Africa
- 22 May 2015 - CTCN welcomes Costa Rican NGO FUNDECOR to its rapidly growing network

[More news](#)

Calendar

- Tanzania - Wednesday 24 June 2015 - 9:00am SAST to Friday 26 June 2015 - 6:00pm SAST - Event
CTCN Regional Forum for Anglophone Africa
- Senegal - Wednesday 24 June 2015 - 9:00am GMT to Friday 26 June 2015 - 6:00pm GMT - Event
CTCN Regional Forum for Francophone Africa
- Wednesday 1 July 2015 (Time to be announced) - Webinar
Ecosystem-based adaptation as a response to climate change
- Wednesday 15 July 2015 (Time to be announced) - Webinar
Introduction to Renewable Energy Technologies
- Wednesday 22 July 2015 (Time to be announced) - Webinar
Introduction to climate technologies in buildings
- Formulating Geothermal Energy Policy, Legal and Regulatory Framework
Uganda - 16 January 2015
- Assessment and identification of technology needs and best practices for reducing the GHG emitting potential of the energy sector in Mauritius
Mauritius - 17 November 2014
Building Capacity for promoting a greenhouse gas mitigation strategy for the proposed power generation facility in Mauritius
Mauritius - 17 November 2014
- Green Cooling Africa Initiative (GCAI)
Ghana, Kenya, Mauritius, Namibia - 8 August 2014
- Green Cooling Africa Initiative (GCAI)
Ghana, Kenya, Mauritius, Namibia - 8 August 2014

[More events](#)

Technical Assistance

Facts

1119 resources

Regional overview

Burundi	Malawi	Somalia
Comoros	Mauritius	South Sudan
Djibouti	Mayotte	Tanzania
Eritrea	Mozambique	Uganda
Ethiopia	Réunion	Zambia
Kenya	Rwanda	Zimbabwe
Madagascar	Seychelles	

Further reading

[Ecotech Quebec Clean Technologies overview](#)

[Technologies and services for climate mitigation and adaptation from Germany](#)

[Climate Change 2014: Impacts, Adaptation, and Vulnerability](#)

[Evaluating Public Transit Benefits and Costs](#)

[Climate Change and Response](#)

[Climate Change: Energy Infrastructure Risks and Adaptation Efforts](#)

[RE-Energising India: Policy, Regulatory and Financial Initiatives to Augment Renewable Energy Deployment in India](#)

[National Aeronautics and Space Administration Goddard Institute for Space Studies](#)

[NASA's Global Change Master Directory \(GCMD\)](#)

[Effects of a Special Solar Collector Greenhouse on Water Balance, Fruit Quantity and Fruit Quality Of Tomatoes](#)

[Agroforestry Systems in a Changing Climate: Challenges in Projecting Future Performance](#)

[Observatory for Renewable Energy in Latin America and the Caribbean](#)

[Private Sector Initiative \(PSI\) - Database of Actions on Adaptation](#)

[The United Nations World Water Development Report \(WWDR\)](#)

[Intergovernmental Panel on Climate Change \(IPCC\)](#)

Kenya

Region: Eastern Africa

Country income: Low-income economies

UNFCCC Annex 1 status: Non Annex 1 Party to the Convention

News

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Introduction to climate technologies in buildings

[More events](#)

Technical Assistance

- Green Cooling Africa Initiative (GCAI) 8 August 2014

Further reading

Climate Change Knowledge Portal

Climate Finance Tracking Guidance Manual: Water Sector

Empowering People: Report on Impacts

The United Nations World Water Development Report (WWDR)

CCAFS: Climate Change, Agriculture and Food Security Dataverse

Establishing an Operational Waterhole Monitoring System Using Satellite Data and Hydrologic Modelling: Application in the Pastoral Regions of East Africa

Africa Adaptation Programme

Forecasting Droughts in East Africa

National Integrated Mitigation Planning in Agriculture

Climate Risk and Adaptation Country Profiles

Sustainable Financing for Sanitation in Africa: The Sani-Fund

Harnessing geothermal energy: The case of Kenya

Africa's Adaptation Gap Report

SE4ALL Global Tracking Framework

CTI PFAN Development Pipeline: Project Summary

Facts

268 resources

National designated entity

Charles Z.M. Moturi
 Kenya Industrial Research and Development Institute
 dir@kirdi.go.ke
 +254 20 6003842

Technical Assistance

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UNFCCC activities

- NAMA
- TNA Project Idea

Experience to date

- Launch in December '14 at COP 20 Lima
- Average unique visitor rate to date: 5,000 per week, upward trend
- Visits from 190+ countries

- Notable upward trend in visits from Eastern and Southern Asia and South America

- We're looking forward to seeing similar trends for Africa



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Back-end support for processing requests

Facts * 1a. Request acknowledgement 1b. Request screening 2a. Response plan expert team formation 2b. Response plan design 3a. Contracting response plan implementors 3b. Response implementation 4b. Monitor impact

CTM acknowledges request.

Request

Propagation of Crop Production Process for Productivity Enhancement



Responsible CTM

Jason Spensley

Select the climate technology manager responsible for this dossier.

Request NDE

Ministry of Climate Change - Pakistan

Insert the national designated entity of the country involved.

Request proponent

Pedaver Private Limited - Pakistan



Insert the proponent of the request.

Proposed geographical scope

National

Select the geographical scope proposed in the request.

Proposed objective

Adaptation

Mitigation

Select the objective proposed in the request.

Proposed sector

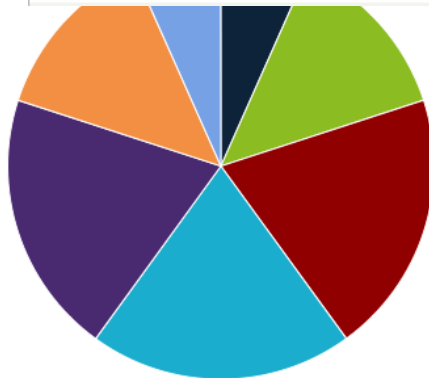
Agriculture

Select the sector proposed in the request.

Dashboards to track & trace

COUNTRIES	OBJECTIVE	SECTORS	ENABLER	APPROACH	TITLE	DATE OF SUBMISSION	STAGE	APPRAISAL DECISION	TIMELINESS
Indonesia Mali Western Africa	Mitiga Adaptation	Agriculture and forestry			Etude de faisabilité technique et économique pour lever les barrières à l'implantation de technologies de séchage et stockage de gombo, mangue et pommes de terre pour soutenir la sécurité alimentaire	Friday 24 April 2015	<ul style="list-style-type: none"> 2b. Response plan design Response plan under formulation 	Eligible and prioritised	green

Distribution of adap

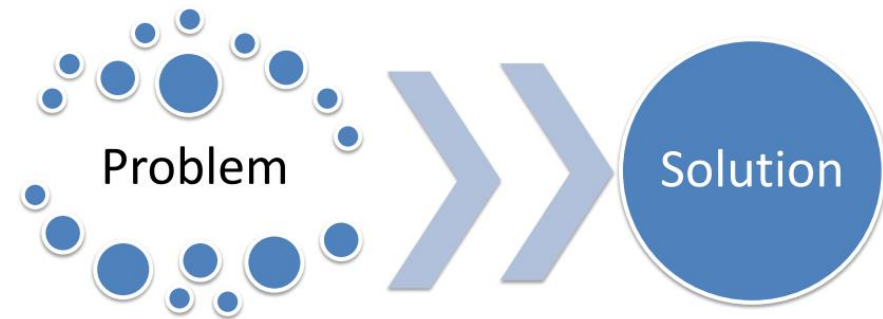
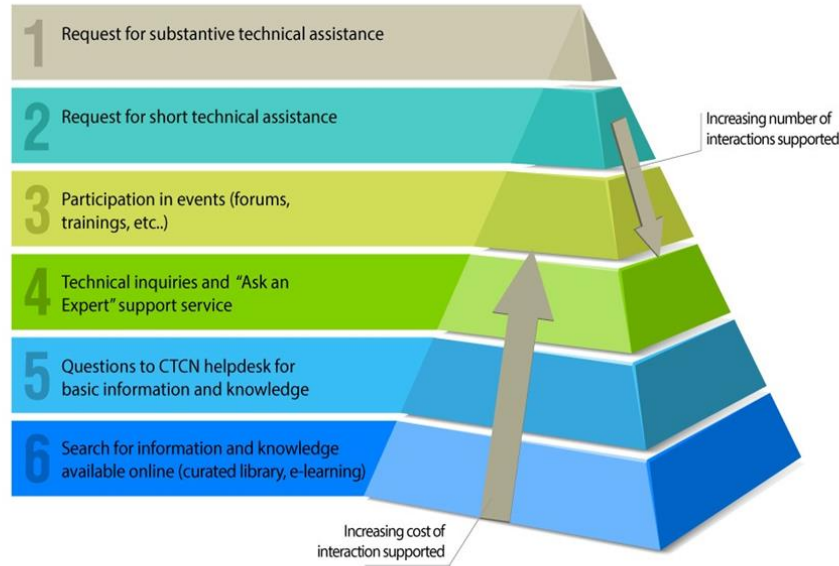


Sectors

- Energy supply
- Marine and Fisheries
- Agriculture
- Water
- Infrastructure, Transport and Urban design
- Agriculture and forestry
- Early Warning and Environmental Assessment

Recent content

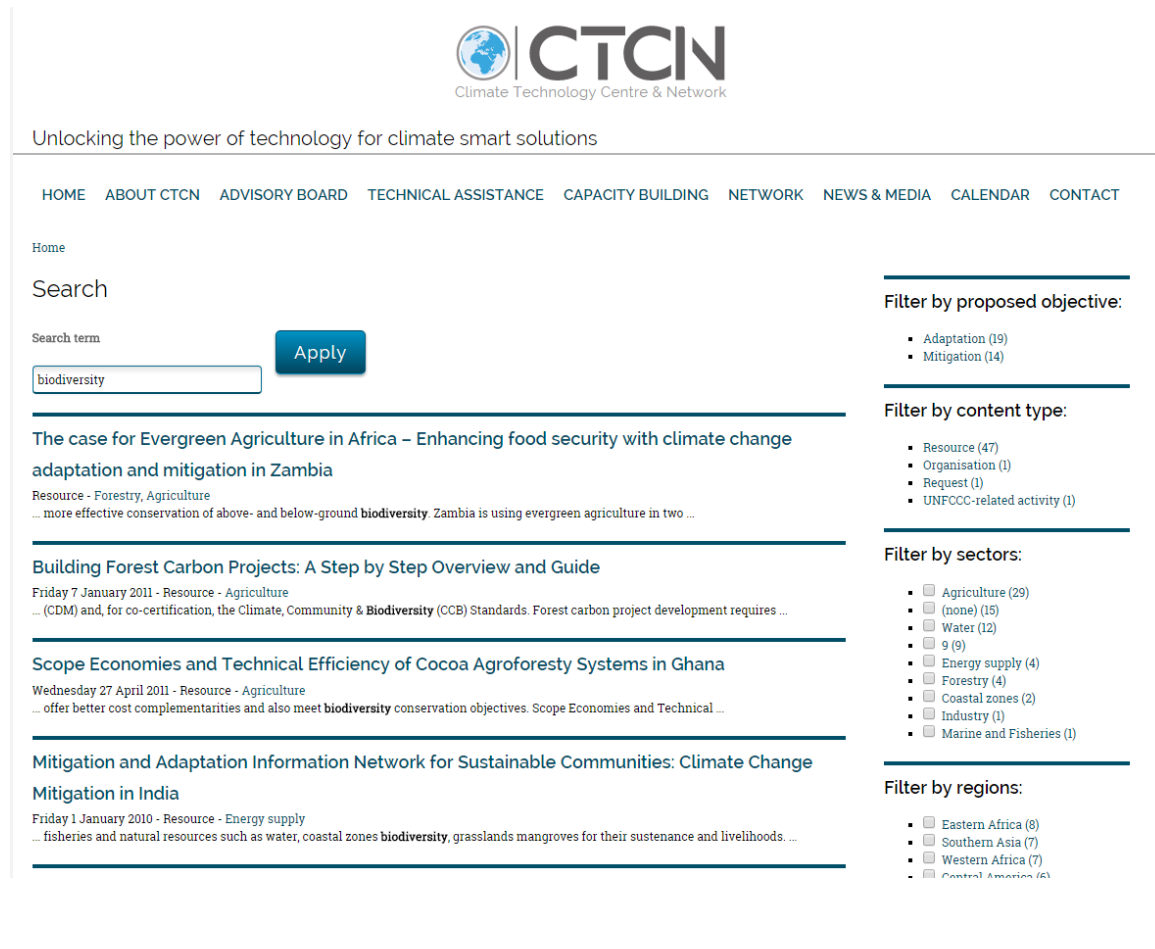
CTCN is matchmaking in a variety of ways



Help to find the right solutions to developing countries' needs

CTCN is actively looking for ways for further efficiencies and impacts

- Introduction of search to KMS
- Climate technology taxonomy and db
- Matchmaking Assistant



The screenshot displays the CTCN website's search results page. At the top, the CTCN logo (Climate Technology Centre & Network) is visible, along with 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, CALENDAR, and CONTACT. The search bar contains the term 'biodiversity', and an 'Apply' button is present. The search results are filtered by proposed objective (Adaptation: 19, Mitigation: 14) and content type (Resource: 47, Organisation: 1, Request: 1, UNFCCC-related activity: 1). The results are also filtered by sectors (Agriculture: 29, none: 15, Water: 12, 9: 9, Energy supply: 4, Forestry: 4, Coastal zones: 2, Industry: 1, Marine and Fisheries: 1) and regions (Eastern Africa: 8, Southern Asia: 7, Western Africa: 7, Central America: 6).

HOME ABOUT CTCN ADVISORY BOARD TECHNICAL ASSISTANCE CAPACITY BUILDING NETWORK NEWS & MEDIA CALENDAR CONTACT

Home

Search

Search term

The case for Evergreen Agriculture in Africa – Enhancing food security with climate change adaptation and mitigation in Zambia
Resource - Forestry, Agriculture
... more effective conservation of above- and below-ground **biodiversity**. Zambia is using evergreen agriculture in two ...

Building Forest Carbon Projects: A Step by Step Overview and Guide
Friday 7 January 2011 - Resource - Agriculture
... (CDM) and, for co-certification, the Climate, Community & **Biodiversity** (CCB) Standards. Forest carbon project development requires ...

Scope Economies and Technical Efficiency of Cocoa Agroforestry Systems in Ghana
Wednesday 27 April 2011 - Resource - Agriculture
... offer better cost complementarities and also meet **biodiversity** conservation objectives. Scope Economies and Technical ...

Mitigation and Adaptation Information Network for Sustainable Communities: Climate Change Mitigation in India
Friday 1 January 2010 - Resource - Energy supply
... fisheries and natural resources such as water, coastal zones **biodiversity**, grasslands mangroves for their sustenance and livelihoods. ...

Filter by proposed objective:

- Adaptation (19)
- Mitigation (14)

Filter by content type:

- Resource (47)
- Organisation (1)
- Request (1)
- UNFCCC-related activity (1)

Filter by sectors:

- Agriculture (29)
- (none) (15)
- Water (12)
- 9 (9)
- Energy supply (4)
- Forestry (4)
- Coastal zones (2)
- Industry (1)
- Marine and Fisheries (1)

Filter by regions:

- Eastern Africa (8)
- Southern Asia (7)
- Western Africa (7)
- Central America (6)



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CTCN Matchmaking Assistant

Proof of Concept Demonstrator

Home

Recommender

Search

Welcome

Matching developing countries climate related technical assistance requests with potential climate technology solutions offered by the CTCN consortium and network is a key feature of the services provided by the CTCN.

This demonstrator offers innovative and complementary ways to assist the CTCN in its efforts to provide the right technical assistance to countries.

Through analysing both countries' requests as well as the capabilities of solution providers, the demonstrator suggests potential matches between the two. The analysis is based on an enhanced version of the [Climate Tagger](#) thesaurus and intelligent web technology.



Contact: [Eelco Kruizinga](#), CTCN DNV GL strategic partnership



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Recommender

FILE UPLOAD

Select an uploaded file *

Choose a new file *

Choose File CTCN Request MUS-1 .pdf

Analyze text

On-line Matchmaking Assistant takes TA Tequest as input

Content highlights Consortium Partner documents Network Partner documents Relevant Initiatives

Organisation(s)

Organisation	Abbreviation	Type
Bariloche Foundation	BARILOCHE	Consortium Partner
Energy Research Centre of the Netherlands	ECN	Consortium Partner
Deutsche Gesellschaft für internationale Zusammenarbeit	GIZ	Consortium Partner
National Renewable Energy Laboratory	NREL	Consortium Partner
The Energy and Resources Institute	TERI	Consortium Partner
Agricultural Technology Transfer Society	ATTS	Network Partner
Association pour la Recherche et la Promotion de l'Energie Durable en Afrique Centrale	ARPEDAC	Network Partner
BATC Development Bhd.	BATC	Network Partner

And suggests organisations that have the expertise to help

Concept(s)

Concept	Score
energy	██████████
Republic of Mauritius	████████
greenhouse gas emissions	██████
renewable energies	███
climate change	██
projects	█
carbon dioxide	█
electricity generation	█
energy sector	█

On the basis of an extracted 'fingerprint' of the TA Request



United Nations Framework Convention on Climate Change



CTCN PoC Development Thesaurus from Climate Tagger

- Climate Compatible Development Glossary (10)
- Climate Technologies (4)
 - Adaptation sectors (8)
 - Early Warning and Environmental Assessment (0)
 - agriculture sector (8)
 - coastal zones (9)
 - forestry sector (3)
 - human health (5)
 - infrastructure, transport and urban design (5)
 - marine and fisheries (0)
 - water sector (1)
 - Cross cutting approaches (4)
 - community based (1)
 - disaster risk reduction (2)
 - ecosystems and biodiversity (9)
 - gender (0)
 - Cross cutting enablers (3)
 - Mitigation sectors (7)
- Energy Efficiency Glossary (7)
- Geographic Scope (7)
- Organisations (2)
- Renewable Energy Glossary (11)

ecosystems and biodiversity

<http://reeqle.info/glossary/1097>

- Details
- Notes
- Documents
- Linked Data
- Triples
- Visualization
- Quality Report
- History

- SKOS
- SKOS-XL
- +

Broader Concepts

- [Cross cutting approaches](#)
- [biodiversity](#)
-

Narrower Concepts

- [polar ecosystems](#)
- [marines](#)
- [tropical forests](#)
- [island ecosystems](#)
- [savannahs](#)
- [tundra](#)
- [taiga](#)
- [urban ecosystems](#)
- [deserts](#)
-
-

Further work in 2015

- Expansion of taxonomy to include a few hundred technology types
- Inclusion of all these as search criteria
- Create a climate technology library pulling quality content from a variety of sources (see next slide)

- Roll out of matchmaking tool beyond core staff of CTCN
- Improved graphic design of the platform.



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Climate Technology Library: Gather Information

A twofold process:

1. **Import technology information** from a number of existing online sources to create technology fiches
 - ClimateTech Wiki, DTU, UNEP/UNIDO offices, WIPO-GREEN, etc.
 - Regional sites such as APAN, REGATTA, etc.

2. Work with **Network members and NDEs** to gather technology information.
 - Opportunity to highlight technologies that are developed, offered, or implemented in-country
 - NDEs can interface with their countries' industry/research/SME umbrella organizations
 - CTCN provides template for information completion



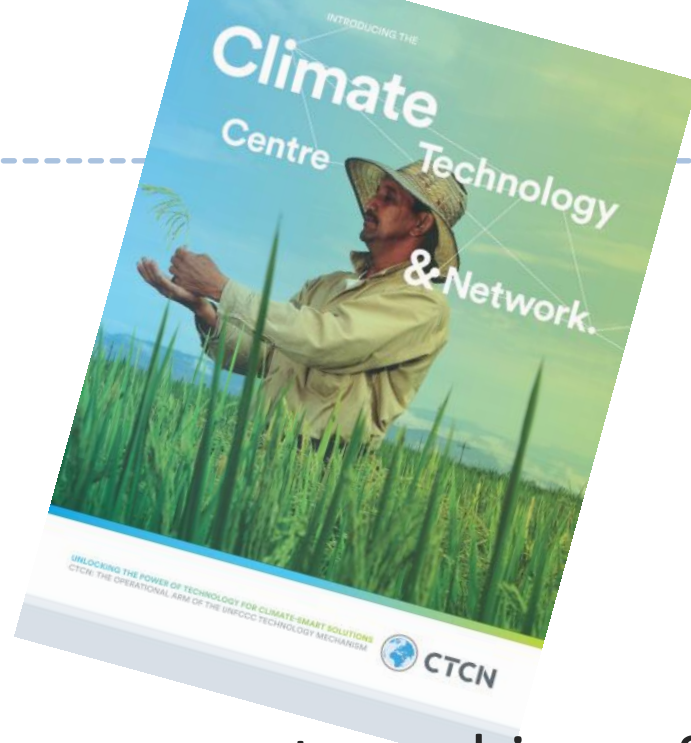
Communication support

For your outreach efforts:

- Presentations
- Brochures
- Posters

Contact k.larsen@unido.org

The CTCN works to stimulate technology cooperation and to enhance technology transfer by helping developing countries make better informed decisions about mitigation and adaptation technologies.



For updates on events, webinars & technical assistance requests, register for the **CTCN Newsletter**

And follow CTCN on Facebook and Twitter:

- Twitter: [@UNFCCC_CTCN](https://twitter.com/UNFCCC_CTCN)
- Facebook: