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## Technology Information Clearing House

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## Technology Mechanism side event at COP 20

The TEC and the CTCN will hold a side event in Lima on "Enhancing technology cooperation for action on climate change."

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### Calendar

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- 8-10 Oct: 4th meeting of CTCN Advisory Board
- 13-14 Oct: Workshop on national systems of innovation
- 2 Dec: Side event of the Technology Mechanism at COP 20 **New!**

### Latest documents

- 2014 joint annual report of TEC and CTCN **New!**
- TEC recommendations to COP 20 on Technology Mechanism - Financial Mechanism linkages **New!**
- TEC 2014-2015 rolling workplan

### Technology



Enhancing climate technology action

### Technology needs assessments



Identifying climate technology needs

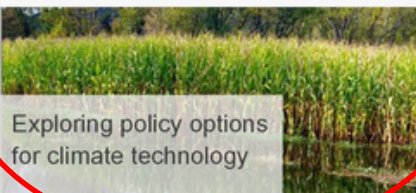
### Technology Portal

TNA reports  
TNA project ideas  
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### Technology Executive Committee



Exploring policy options for climate technology

### Climate Technology Centre & Network



Stimulating climate technology cooperation

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- Climate technology briefs
- Climate technology roadmaps
- **TNA data**



Aug 2014 - TNA project ideas

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- Climate observation/Early warning
- Energy
- Human health
- Industry
- Infrastructure/Settlement (including coastal zones)
- Tourism
- Transport
- Waste
- Water

**Region**

- Africa
- Asia and the Pacific
- Eastern Europe
- Europe
- Latin America and the Caribbean
- North America

**Search results**

Document	Year	Title	Key words	Party	Region	Sector	Attachment/URL
TNA Project Idea	2013	Combined gas cycle power plant	combined cycle power plant, Cuba, energy, feasibility study, implementation, installation, joint-venture, Latin America and the Caribbean	Cuba	Latin America and the Caribbean	energy	<a href="#">Download file [253.5 KB]</a>
TNA Project Idea	2013	Gasification of sawmill residuals	biomass, Cuba, electricity supply, energy, installation, Latin America and the Caribbean, plant, fossil fuels	Cuba	Latin America and the Caribbean	energy	<a href="#">Download file [170.3 KB]</a>
TNA Project Idea	2013	Transportation of freight rail - Rehabilitation of the southern line	Cuba, efficient freight management, feasibility, Latin America and the Caribbean, modal shift in freight transport, modeling, traffic infrastructure, transport	Cuba	Latin America and the Caribbean	transport	<a href="#">Download file [209.6 KB]</a>
TNA Project Idea	2013	Water management of rice production systems	agriculture/forestry/land use, consumption, Cuba, water, irrigation, infrastructure, Latin America and the Caribbean, productivity	Cuba	Latin America and the Caribbean	agriculture / forestry / land-use	<a href="#">Download file [299.7 KB]</a>
TNA Project Idea	2013	Drilling, coating design and exploitation of shallow wells for water extraction or for recharging of the underground aquifer	Cuba, drinking water, hydric, infrastructure, investment, Latin America and the Caribbean, water	Cuba	Latin America and the Caribbean	water	<a href="#">Download file [299.7 KB]</a>
TNA Project Idea	2013	Construction of houses to reduce their vulnerability to the dangers of climate change	adaptation, Cuba, implementation, infrastructure, infrastructure/settlement (including coastal zones), Latin America and the Caribbean, materials, rainfalls	Cuba	Latin America and the Caribbean	infrastructure / settlement (including coastal zones)	<a href="#">Download file [577.1 KB]</a>
TNA Project Idea	2013	Management of solid and liquid waste from livestock production	adaptation, awareness raising, composting, consulting, contracting, Ecuador, energy, incentives, Latin America and the Caribbean	Ecuador	Latin America and the Caribbean	energy	<a href="#">Download file [323.1 KB]</a>



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Nov 2014 - TNA reports

➤ **All 2012-2013 reports uploaded**

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Document	Year	Title	Key words	Party	Region	Sector	Attachment/URL
TNA Report	2013	Technology needs assessment and technology action plans for climate change mitigation	Asia and the Pacific, awareness, barriers, behavioural, Bhutan, capacity, cement, climate control, cultural, economic, efficient construction, efficient electric motors, enablers, enabling, energy, energy cooling, environment, failure, financial, framework, human skills, imperfection, industrial, industry, information, institutional, in-vessel composting, legal, low solid anaerobic digestion, LSAD, management technologies, market, mass rapid, mitigation, modal shift, MSW treatment, network failures, non-motorized transport, organizational, policy, rail-based, recycling, regulatory, road, savings, social, synchronization, technical, traffic signal, transit systems, transport, waste, waste management	Bhutan	Asia and the Pacific	transport, industry, waste, energy	<a href="#">Open page</a>
TNA Report	2013	Technology needs assessment and technology action plans for climate change adaptation - part I	adaptation, agroforestry, Asia and the Pacific, awareness, barriers, behavioural, Bhutan, capacity, biotechnology, climate resilient farm roads, community based early warning systems, cultural, drought-resistant crop varieties, economic, enablers, enabling, environment, failure, financial, framework, human skills, hydro power, imperfection, information, institutional, irrigation systems, legal, market, natural disaster prevention, network failures, organizational, policy, PV, regulatory, SALT, sloping agriculture, social, solar power, technical, weather forecasting, weather stations	Bhutan	Asia and the Pacific	agriculture / forestry / land-use, climate observation / early warning, infrastructure / settlement (including coastal zones), water	<a href="#">Open page</a>
TNA Report	2013	Technology needs assessment and barrier analysis and enabling framework report mitigation	Asia and the Pacific, awareness, barriers, behavioural, Bhutan, capacity, cement, climate control, cultural, economic, efficient construction, efficient electric motors, enablers, enabling, energy, cooling, environment, failure, financial, framework, human skills, imperfection, industrial, industry, information, institutional, in-vessel composting, legal, low solid anaerobic digestion, LSAD, management technologies, market, mass rapid, mitigation, modal shift, MSW treatment, network failures, non-motorized transport, organizational, policy, rail-based, recycling, regulatory, road, savings, social, synchronization, technical, traffic signal, transit systems, transport, waste, waste management	Bhutan	Asia and the Pacific	transport, industry, waste, energy	<a href="#">Open page</a>
TNA Report	2013	Technology needs assessment and barrier analysis and enabling framework report adaptation	adaptation, agroforestry, Asia and the Pacific, awareness, barriers, behavioural, Bhutan, capacity, climate resilient farm roads, community based early warning systems, cultural, drought-resistant crop varieties (biotechnology), economic, enablers, enabling, environment, failure, financial, framework, human skills, hydro power, imperfection, information, institutional, irrigation systems, legal, market, natural disaster prevention, network failures, organizational, policy, PV, regulatory, SALT, sloping agriculture, social, solar power, technical, weather forecasting, weather stations	Bhutan	Asia and the Pacific	agriculture / forestry / land-use, climate observation / early warning, infrastructure / settlement (including coastal zones), water	<a href="#">Open page</a>

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• Mar 2015 - TNA technology action plans

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## COP Decision 25/CP.19

“The CTCN should disseminate its outputs and facilitate knowledge-sharing through a **well-functioning information platform** that responds to the information and knowledge service requirements of its potential users, including NDEs, Parties and a wide range of technology actors, experts and stakeholders.

...”share information on current **CTCN activities and results**”

“....serve as a comprehensive, up-to-date, and easily accessible **library of information** on technology availability, costs, and performance; policies; financing; and other topics for use by countries, with **seamless links to resources** available from sources around the world;”





## Objectives:

- Serve as a gateway to CTCN services
- Create greater visibility to wealth of existing information
- Avoid duplication of efforts
- Package information in a relevant way for CTCN audience

## Utilise:

- Open data system to enable sharing
- Climate Tagger to catalogue and bundle relevant information

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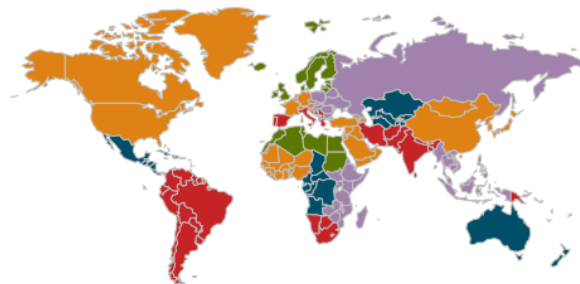


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### Technical Assistance

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- [REEEP](#) (Renewable Energy and Energy Efficiency Partnership)
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## Technical Assistance requested by NDEs

<b>Countries</b>	<b>Sectors</b>	<b>Theme</b>	<b>Request</b>
Chile	Coastal zones, Biodiversity	Mitigation, Adaptation	Design of Biodiversity Monitoring Network in the Context of Climate Change
Colombia	Waste	Mitigation	Development of a Mechanical-Biological Treatment (MBT) pilot project
Colombia	Water, Coastal zones, Biodiversity, Fisheries, Forestry, Agriculture	Adaptation	Monitoring and evaluation of national promotion for energy efficiency and renewable energy against national targets
Colombia	Water, Coastal zones, Biodiversity, Fisheries, Forestry, Agriculture	Adaptation	Monitoring national adaptation efforts related to climate change
Côte d'Ivoire		Mitigation	Development of an air pollution reduction strategy in Abidjan district
Ghana, Kenya, Mauritius, Namibia	Transport, Energy, Industry	Mitigation	Green Cooling Africa Initiative
Iran, Islamic Republic of	Energy	Mitigation	Micro Combined Heat and Power Technology



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## Design of Biodiversity Monitoring Network in the Context of Climate Change

### **NATIONAL DESIGNATED ENTITY (NDE)**

- Consejo Nacional de Producción Limpia (National Council of Clean Production), Mr. James A. Robinson

### Need

Chile is a country of 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.

### Assistance requested

The Ministerio del Medio Ambiente requests technical assistance from the CTCN for the design of a biodiversity monitoring network in the context of climate change. The Ministerio envisions developing a network that will gather, process, analyse, synthesize, and share data on Chilean ecosystem integrity and biodiversity, including the potential impacts of future climate scenarios as well as an early warning system. The first stage of this initiative should consist of the design of a conceptually and practically robust monitoring strategy, and this is where CTCN's assistance is specifically requested. With this design developed, the Ministerio del Medio Ambiente will oversee the establishment of a national network and the implementation of necessary infrastructure and assignment of relevant personnel.

### Alignment with national priorities

The creation of a monitoring biodiversity network is considered the cornerstone of Chile's Adaptation Plan on Climate Change for Biodiversity. The development of the Adaptation Plan itself has been achieved through technical studies, public consultation, and regional workshops in order to ensure stakeholder engagement.

### Expected outcomes

A well-conceived and coordinated monitoring network should contribute timely, consistent, trustworthy and effective answers regarding the condition and health of the country's ecosystem under global climate change scenarios. This information will be used to inform the development of public policy and specific measures to adapt to the effects of climate change in Chile.





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## 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](mailto:ctcn@unep.org).

Request forms available for download are:

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

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## 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).





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## CTCN Network

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

Network Membership provides access to a diverse global community of climate technology users, providers and financiers under the umbrella of the UNFCCC Technology Mechanism.

## Network Activities

- **Technical services:** Providing technical assistance funded by the CTCN in response to developing country requests (selection conducted through a competitive bidding process among Network members)
- **Information exchange:** Sharing/receiving information (data, lessons learned, reports, case studies) at CTCN events and via the CTCN's online knowledge centre
- **Capacity building:** Presenting online and in-person tutorials and workshops on your fields of expertise to peers and developing country stakeholders



## Membership Benefits

- **Commercial opportunities:** Pre-qualified access to competitive bidding for delivery of CTCN technical assistance services to developing countries
- **Connection:** Network with national decision makers, thought leaders, and other Network members to expand your partnership opportunities and learn about emerging activities and areas of practice
- **Visibility:** Increase your global recognition and showcase your organization's experience and success stories Broaden your organization or company's global reach by engaging in new technology projects and showcasing relevant experience, events, reports and tools

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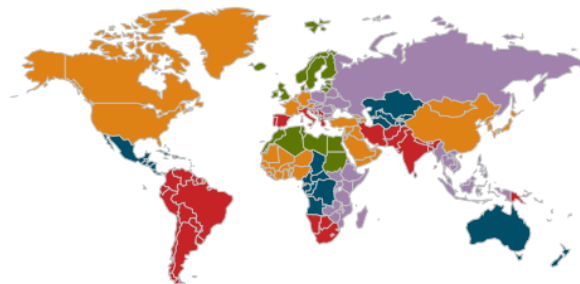


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# Energy

The energy sector creates opportunities to reduce climate change causing greenhouse gas emissions while stimulating economic opportunities, lifting communities out of poverty, and increasing resilience to the impacts of climate change. Ranging from conventional to renewable sources, energy technologies encompass tools and techniques to generate and use energy in every segment of our societies, from powering the places we live, work and play, to fueling our transportation vehicles and industries. Browse through our Energy sector hub to find out more about climate technology resources, including policy best practices, insightful case studies, training opportunities and contact information. Find out how to connect with our growing network of organizations and businesses to reduce your exposure to climate change risks while helping you reach your sustainable economic development goals.



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## News

- [Climate Tagger to aid organizations in using knowledge to combat climate change](#)
- [Join CTCN at COP20](#)
- [Climate Knowledge Brokers Workshop, 2014, Brighton, United Kingdom](#)
- [Climate Change Technology Critical For SIDS](#)
- [Climate Technology Centre and Network highlighted at UNFCCC Climate Change Conference in Bonn](#)

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## Events

- [4 December 2014 - Peru  
Unlocking the Potential of Insurance for Climate Adaptation & Resilience - An Exploratory Dialogue and Working Lunch](#)
- [4 December 2014 - Peru  
Data, Knowledge and Innovation for Climate Action](#)
- [4 December 2014 - Peru  
Promoting climate technology investment: Practice and experience](#)
- [6 December 2014 - Peru](#)

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## Technical Assistance

- [Assessment and identification of technology needs and best practices for reducing the GHG emitting potential of the energy sector](#)
- [Building Capacity for promoting a greenhouse gas mitigation strategy for the proposed power generation facility](#)
- [Green Cooling Africa Initiative](#)
- [Micro Combined Heat and Power Technology](#)
- [Technical support and advice for the](#)

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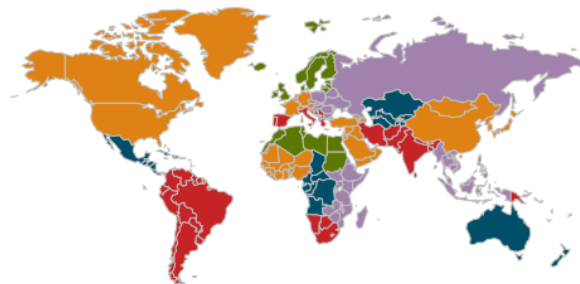


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# Kenya

Official name: Republic of Kenya

Region: Eastern Africa

Non Annex 1 Party to the Convention

Low-income economies

## Facts

1 request

164 resources

## National designated entity

Kenya Industrial Research and Development Institute

## Technical Assistance

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## UNFCCC activities

- NAMA
- TNA Project Idea

## Technical Assistance

[Green Cooling Africa Initiative](#)

## Further reading

[Climate-Smart Agriculture Success Stories from Farming Communities around the World](#)

[Climate Risk Screening Tools and Their Application](#)

[Climate Risk and Adaptation Country Profiles](#)

[Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, 2007](#)

[Conservation Farming Strategies in East and Southern Africa: Yields and Rain Water Productivity from On-Farm Action Research](#)

[Development Aid and Access to Water and Sanitation in Sub-Saharan Africa](#)

[CTI PFAN Development Pipeline: Project Summary](#)

[Community-Based Risk Screening Tool - Adaptation and Livelihoods](#)

[Empowering People: Report on Impacts](#)

[Emerging Responses to Climate Change Adaptation Strategies in Arid and Semi-Arid Lands of Coastal Kenya](#)

[Ecosystem Vulnerability to Climate Change: A Literature Review](#)

[Economics of Rainwater Harvesting for Crop Enterprises in Semi-Arid Areas of East Africa](#)

[Drought Risk Reduction Framework and Practices: Contributing to the Implementation of the Hyogo Framework for Action](#)

[Establishing an Operational Waterhole Monitoring System Using Satellite Data and Hydrologic Modelling: Application in the Pa](#)

[GCM downscaled CGI](#)

## What's next:

- Extensive testing via intended users
- Increasing knowledge partners
- Intranet development:
  - Development of specialized dashboards for NDEs
  - Technical assistance operations
  - Monitoring and evaluation of CTCN services

## Join the CTCN community:

- Visit the [demo.ctc-n.org](http://demo.ctc-n.org) and provide your feedback to us
- Become a knowledge partner with the CTCN

[Demo.ctc-n.org](http://demo.ctc-n.org)

