

### **CTCN Knowledge Management System in a Snapshot – As of 17 July 2017**

*Knowledge Management System (KMS) development and maintenance continued as detailed below. User testing conducted by CTCN Consortium partner, NREL, provided input into the aspects of the web portal that are functioning well and those that need to be adjusted. A work plan for revisions based on the user testing results is being implemented. Content-wise, the CTCN web portal is updated daily with news on technical assistance opportunities and activities, upcoming events, capacity building including technology webinars, and technology information on-boarded from Network members and knowledge providers. As the current contract for DNV GL technical development and maintenance of the CTCN KMS will cease at the end of 2017, plans are underway to handover the technical management to CTCN.*

#### **Key data:**

For the period since the last Advisory Board meeting (AB9), the KMS has experienced the following usage rates in comparison to the same time frame in 2016:

- 40% ↑ in visits to the site
- 47.58% ↑ in users
- 27.17% ↑ in page views

The most visited pages on [ctc-n.org](http://ctc-n.org) are:

- Home page
- Technical assistance requests page
- Network page
- About CTCN
- Technology Sectors page

#### **Content Development**

**Technical Assistance (TA) information:** Individual information pages are available for each technical assistance. These are continually developed and updated, providing summaries, complete request and response plan documents, impact briefs, TA deliverables and other key information (available at <https://www.ctc-n.org/technical-assistance/data>). Visualizations are also available on the site, which provide aggregated data on CTCN technical assistance including the distribution of TAs by adaptation/mitigation objective, sector, geographical scope, types of assistance requested, whether TNAs have been completed prior to CTCN request submission, etc. Technical assistance visualizations are available at <https://www.ctc-n.org/technical-assistance/request-visualizations>.

**Network information:** The Network page displays current technical assistance bidding opportunities, as well as up to date information on events, webinars, membership criteria and templates for membership application. A list of Network members and their profiles are searchable by several filters including country, region, sector experience, and more. Network visualizations offer an aggregated view of the Climate Technology Network by type of institution, expertise, Annex status, etc. Visualizations also display the division between Network members and Consortium partners in terms of involvement in technical assistance implementation. Network information is available at <https://www.ctc-n.org/network> and its subpages.

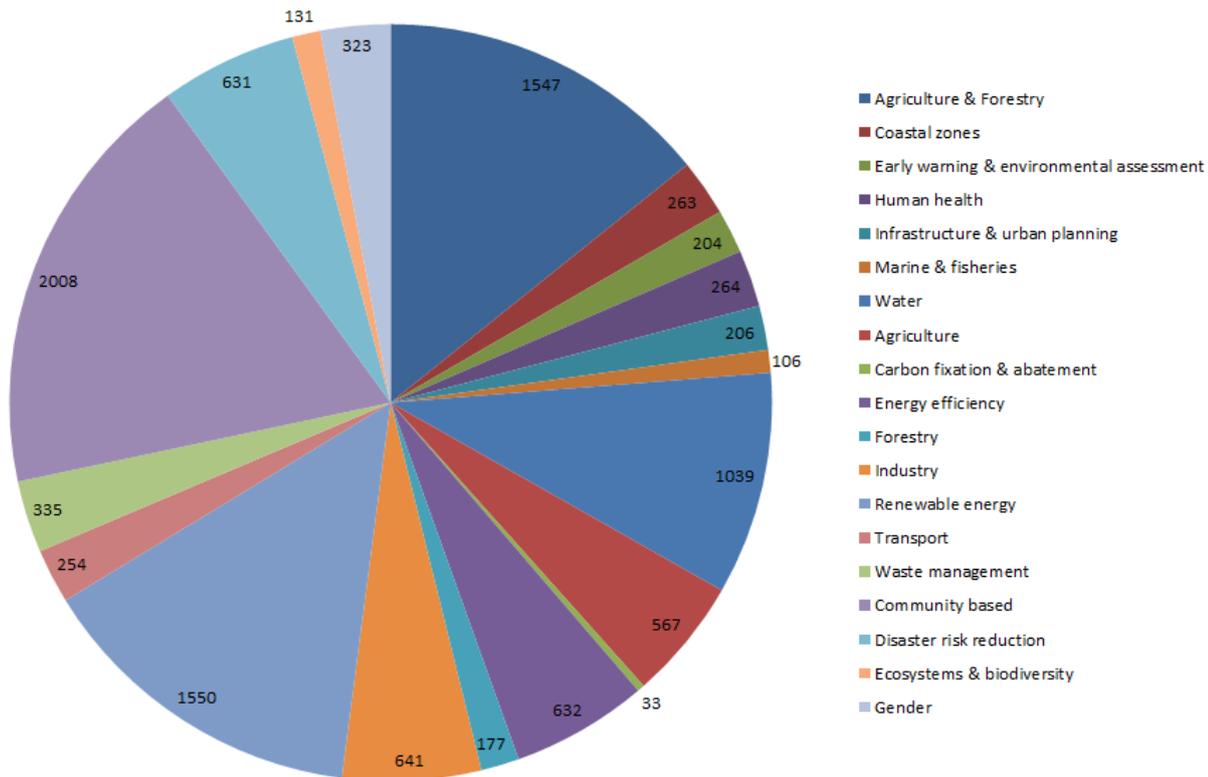
**Country information:** Landing pages for each country are being further developed to host NDE information, as well as energy data provided by Network Member REEEP's country energy datasets.

**Technology information:** Network members and knowledge partners have received personal log-ins to the CTCN website enabling them to directly provide their organizations' technology information in the form of publications, best practises etc. to be displayed on their profile pages and integrated throughout the KMS. As encouragement, these publications are highlighted in the CTCN e-newsletter.

Outreach to existing and new Network members and knowledge partners has resulted in on-boarding of larger sets of technology and product information to be integrated in the KMS via electronic linkages or scripts. As of AB10, climate technology information has been or is in the process of being on-boarded from the Clean Energy Solutions Centre (CESC); Copenhagen Centre for Energy Efficiency; the Renewable Energy and Energy Efficiency Partnership (REEEP); Practical Action; and the Swedish Environmental Research Institute (IVL).

In response to the mandate given by the Parties to facilitate the promotion of research and development and the transfer of endogenous knowledge and technologies, CTCN Consortium Member ENDA Energie is collaborating with the Centre to perform a study of endogenous climate technologies in selected African countries and document solutions to be added and highlighted in the CTCN Knowledge Management System.

Currently the KMS contains content within the CTCN sectors divided as below. Further focus will be put on knowledge outreach for those sectors in which the CTCN receives the greatest number of technical assistance requests. The KMS currently contains approximately 13,000 publications, technology pages, technology assistance descriptions etc.



**News and Multimedia:** News items are developed regularly to share information on CTCN events, capacity building and technical assistance. Links to these are posted via CTCN’s social media channels and e-newsletter. Likewise the photo gallery is updated with photos from CTCN activities and over 100 on-demand CTCN webinars are available, covering a broad range of adaptation and mitigation sectors and practical examples.

## Technical Development

### User testing

In-person user testing was conducted by CTCN Consortium partner, the National Renewable Energy Laboratory (NREL), which resulted in recommendations for improved usability of the ctc-n.org site.

Based upon the user feedback, the following are some improvements under development:

- Search filters on the site are being simplified and additional search functions will be added to Technology Sector pages for greater user-friendliness.
- Landing pages for each country are being further developed to host NDE information, energy data, etc.
- The Capacity Building landing page is being developed to include snapshot boxes of training material such as events, forums and webinars.

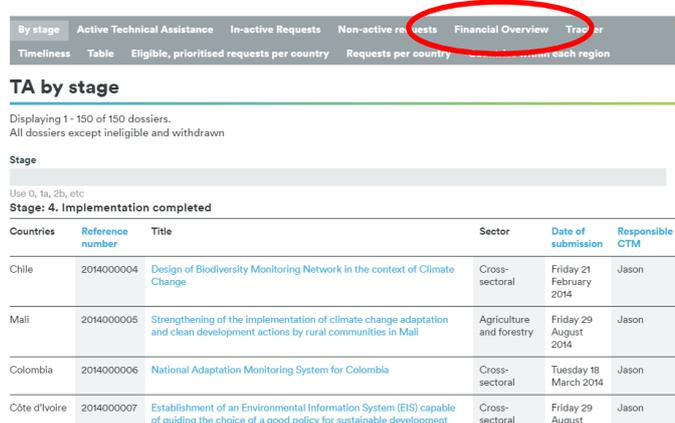
The KMS taxonomy has already been updated and further developed, which will enable more relevant search results and improved search functionality.

### Transition planning for DNV GL handover

CTCN staff and DNV GL colleagues have documented the software and IT skills necessary to transfer management of the technical KMS elements to the CTCN. The CTCN is now in the process of identifying the appropriate procurement modalities for obtaining the required skills and software, and DNV GL is scheduled to provide training in third quarter of 2017 in order to ensure that there will be a seamless transition of technical KMS management.

**Network Operations:** In order to facilitate the management of the CTCN Network, a Network Member Dashboard was further enhanced with additional visualisations and logs showing accumulated number of Network applications received (currently at 300+) and dates of application submissions, assessments and completed reviews. In addition, a Network Tracker listing Network Member information such as country of registration, type of organization, etc. has also been incorporated. Furthermore, the Network member assessments are now being conducted online via the KMS. The Network and NDE profile pages now have a contact e-mail address export function for targeted mailing (using filtering).

**Search functionality:** Development was started for functionality that enables showing similar content on various pages of the website. For example, on a given Technology page, technical assistance utilizing this type of technology will be displayed. The main search function was replaced by semantic search using the CTCN keyword framework. In addition, maintenance of the CTCN technology taxonomy framework has been completed, both of which pave the way for improved search functionality and integration of content on the site.



Countries	Reference number	Title	Sector	Date of submission	Responsible CTM
Chile	2014000004	Design of Biodiversity Monitoring Network in the context of Climate Change	Cross-sectoral	Friday 21 February 2014	Jason
Mali	2014000005	Strengthening of the implementation of climate change adaptation and clean development actions by rural communities in Mali	Agriculture and forestry	Friday 29 August 2014	Jason
Colombia	2014000006	National Adaptation Monitoring System for Colombia	Cross-sectoral	Tuesday 18 March 2014	Jason
Côte d'Ivoire	2014000007	Establishment of an Environmental Information System (EIS) capable of guiding the choice of a good policy for sustainable development	Cross-sectoral	Friday 29 August 2014	Jason

**Technical Assistance Dashboard:** Much fine tuning was done on the technical assistance dashboard, which provides both public information and internal support for CTCN operations. In addition, Financial Overview functionality was developed in order to support technical assistance operations, monitoring and reporting.

**Technical Assistance pages:** On the individual technical assistance pages, sustainable development goal (SDGs) icons have now been added in order to demonstrate how each technical assistance contributes to the SDGs. Also, links to relevant technology descriptions and national plans have been added to each page.

## Technologies for coastal management of the province of Buenos Aires



This technical assistance advances the following Sustainable Development Goals:



### This Technology Transfer Advances Argentina's

- Nationally Determined Contribution and its identified adaptation need to intensify and increase early warning systems for intense rains and floods, and to implement structural and non-structural measures to face extreme events

#### Context

Buenos Aires' 400 km long coastline is dominated by sandy beaches, dunes and sandbanks. Sandy sediments are distributed along the coast thanks to long-shore drift currents transporting the sediments from the Colorado and Negro rivers. A growth in population and increased tourism has led to construction of new developments and resorts, transport infrastructure and development of port infrastructure. Due to the environmental fragility of the environment, the extension of the urban area has caused destruction of dunes, well as notable changes to the coastal sediment transport system. In addition, coastal erosion is being further exasperated by the effect of climate change which play a role in increasing sea levels and the frequency and intensity of waves.

#### Technology Request

The Provincial Directorate of Hydraulic Engineering (DPOH) at the Ministry of Infrastructure and Public Services of the Province of Buenos Aires, requested support in accessing up-to-date technology and update on tools previously acquired for coastal morphology

*Example of incorporation of relevant Sustainable Development Goal icons on individual technical assistance pages.*