Advisory Board to the CTCN **14-16 September 2015**

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CTCN Knowledge Management System and the Climate Technology Library

Introduction

The CTCN is mandated by COP decision 19/25 to disseminate its outputs and facilitate knowledge-sharing through a well-functioning information platform that inter alia serves as a comprehensive, up-to-date, and easily accessible library of climate technology information.

Solution outline

The CTCN Climate Technology Library is not a stand-alone system, but rather, is intended to provide content to be integrated with other information types available on the KMS. For instance, webinars, Network Members and/or technical assistance requests that are associated with a given technology in the library will be arranged and displayed together in order to enhance the user experience.

In order to develop and populate the CTCN technology library, the CTCN opts for a three-pronged approach which includes 1. Technical architecture, 2. Stakeholder engagement, and 3. Governance and quality control.

1. Proposed technical architecture

There are a number of architectural aspects which will support the organization of the information which are described in greater detail below.

A. Framework for CTCN Library of Technologies

The Framework for CTCN Library of Technologies has been developed by carefully looking at existing overviews of climate technologies.

B. Technology fiches

A technology fiche is a structured representation of a climate technology, making them mutually comparable on a number of criteria.

C. Climate Tagger

Climate Tagger is a suite of tools to help climate and development organizations streamline and catalogue their data and information resources, and connect them to the wider climate knowledge community.

D. Additional technical tools/approaches

Additional technical tools and/or approaches may be identified as necessary or helpful to developing the CTCN library and enabling the ability to source information from existing sites and databases and to support an easy-to-use interface for the Technology Database. In this respect, linking the technology library to the electronic matchmaking facility under development will make technology information search results visible to users of the matchmaker. Specifically, with this service, a stakeholder could post some form of simplified specifications for a technology or technology type, and the platform would provide information on a range of issues related to those, including possible technology providers, example of projects, etc. Also, automatic notification could be dispatched to relevant technology providers with a suggestion to follow-up bilaterally

Users

The users for the CTCN climate technology library are National Designated Entities (NDEs), CTCN Consortium partners, Network members and the wider climate change community, particularly in developing countries.

User group	Value to be created
National Designated Entities (NDEs)	Easy access to impartial, comparable technology information to help formulate assistance requests, and to build capacities
Consortium members	Easy access to reference material to be utilized in responding to requests for technical assistance and to deliver capacity building
Network members	Easy access to reference material and to deliver capacity building
Wider climate change community, particularly in developing countries	A reference centre for climate technology information

2. Stakeholder Engagement

In order to populate the technology library with information, a two-fold approach is proposed in terms engagement with knowledge holders:

A. **Link technology information from CTCN knowledge partners**

Knowledge partners in the context of the CTCN are associations, networks or organisations, whose members contribute knowledge, experience, resources, and connections, and participate in two-way communications. Organisations or initiatives currently under consideration include, but are not limited to:

- ClimateTech Wiki
- European Patent Office
- WIPO Green
- Adaptation-focused organizations such as the Stockholm Environment Institute's weADAPT, Africa Adaptation Knowledge Network, and/or Asia Pacific Adaptation Network
- UNFCCC Technical Expert Meeting reports
- Organizers of technology fairs, such as the Hannover Messe.

B. **Enlist NDEs to provide technology information from their countries**

This model relies on NDEs to suggest relevant content or content providers from among their national constituencies. Technology content providers will be encouraged to make their technology information available to CTCN via one of two different means:

I. CTCN provides a technology template to an NDE or suggested content provider. NDEs or the relevant institution completes the template and submits to CTCN for inclusion in the library.

II. If the relevant institution already maintains an accessible database of relevant technologies, CTCN can discuss the best means to transfer the information in its current format into the CTCN library.

In order to support this process, outreach will be conducted to NDEs to introduce the library concept, its mandate and goals, and the benefit for countries in making their information available. Such outreach will occur at CTCN regional NDE forums, as well as other UNFCCC events, and through direct communication channels. In order to better illustrate how the system can work, the CTCN plans to work closely with a few interested developed and developing countries to incorporate their technology information and thus demonstrate to other countries the library's potential.

Recognizing that developing country NDEs may be more hindered in their capacity to facilitate access to national climate technology information, the CTCN is considering additional ways to support information gathering. These include, but are not limited to, engaging selected CTCN Consortium partners in technology research for specific regions; organizing regional developing country climate technology fairs, engage CTCN secondees; etc.

3. Governance and quality control

In order to ensure that the library's information remains up to date, CTCN will seek feedback from stakeholders on a regular basis, for example by organising climate technology fairs alongside existing climate meetings to provide governance and review of the library's information and assess gaps, suggest removing outdated technologies, providing co-benefits such as technology matchmaking. Equally, governance and quality control will need to observe legal and confidentiality constraints.

The technology library will feature two classes of content entries, each with clear information on provenance, validation and last updates:

I. Factual articles that describe each of the technology types of the CTCN Library Framework;
II. Links to specific technologies and provider information.

In particular, good practice stories and lessons learned on the application of technology in specific contexts are believed to be of added-value. Also, cross-linkages to CTCN interventions such as Technical Assistance provided and webinars are foreseen.

Instead of developing and managing a stand-alone due diligence process for the purpose, an idea would be to rely on an existing scheme. The United Nations Global Marketplace (UNGM) has such modalities in place. The advantage of using the UNGM scheme is that there would be no additional resource requirement for the new technology platform, and UNGM is widely accepted and used by enterprises around the world. In addition to that, UNGM is based in Copenhagen, which could facilitate the coordination with the CTCN.