

Technology Mechanism and its implementation

Workshop on South-South Cooperation on Science and Technology to Address Climate Change

19 – 20 October 2011 Beijing, China



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Outline

- Technology development and transfer under the UNFCCC process
- Technology Transfer Framework
- Technology Needs Assessment
- Technology Mechanism
- Roadmap towards a fully operational Technology Mechanism in 2012

Technology development and transfer features strongly in the inter-governmental process on climate change

- Article 4.5 and 4.1.(c) of the Convention
- Technology Transfer Framework established by decision 4/CP.7
- Bali Action Plan - Technology is one of the central elements that will enable action
- Cancun Agreement – Technology Mechanism established



Technology Transfer Framework

- **Technology needs assessment**
- Technology information
- Capacity Building
- Enabling environment
- Mechanisms for technology transfer: EGTT
 - a) Innovative financing
 - b) International cooperation
 - c) Endogenous development of technologies
 - d) Collaborative RD

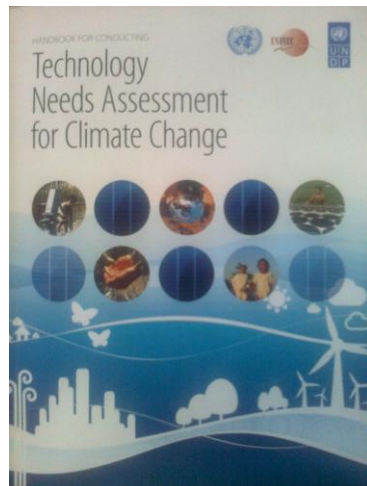


Technology Needs Assessment

- The technology transfer framework defines TNAs as a set of country-driven activities that identify the mitigation and adaptation technology priorities of Parties, particularly developing country Parties;
- The purpose of TNAs is to assist in identifying priority technology needs, which can form the basis for a portfolio of EST projects and programmes which can facilitate access to, and the transfer of, the ESTs and know-how in the implementation of Article 4, paragraph 5, of the Convention;
- TNAs present an opportunity to track an evolving need for new equipment, techniques, practical knowledge and skills necessary to mitigate GHG emissions and to reduce vulnerability to the adverse impacts of climate change;



Tools to conduct TNAs



Outcomes of Technology Needs Assessment

- To date, some 68 TNAs have been reported and published on the technology information clearing house (TT:CLEAR) website.
- Two synthesis reports have been prepared by the secretariat that present information on technology needs for mitigation and adaptation to climate change contained in 68 TNAs and 39 national communications submitted to date. The synthesis reports highlight priority technology needs identified in various sectors to reduce greenhouse gas emissions and facilitate adaptation to the adverse impacts of climate change and also include a regional analysis of the sectors covered and technologies addressed.
- More on <http://ttclear.unfccc.int>



Implementation of outcomes of TNAs

- The Poznan strategic programme on technology transfer was established in 2008 by the Global Environment Facility (GEF) to scale up the level of investment for technology transfer in order to help developing countries to address their needs for environmentally sound technologies. Under the programme, a funding window of USD 9 million was proposed to support TNAs.
- Gaps still exists
 - a) 264 project proposals contained in 69 TNA reports ,
 - b) only 17 projects by 5 Parties reported to be implemented



Technology Mechanism established in Cancun

- Part of a comprehensive institutional framework to support implementation of action on mitigation, adaptation and related support
- Consisting of:
 - a) Technology Executive Committee (**TEC**) as the policy and strategy arm of the Mechanism
 - b) Climate Technology Centre and Network (**CTCN**) to provide direct support to technology actions in developing countries to address climate change
- Main objectives of TM are:
 - a) To harness the world's technological capacity to help developing country Parties to prepare NAMAs and adaptation plans and actions
 - b) Be a very practical tool to build technological capacity within developing countries
 - c) Recommend policies, programmes and actions for decisions by the COP and guidance for funding



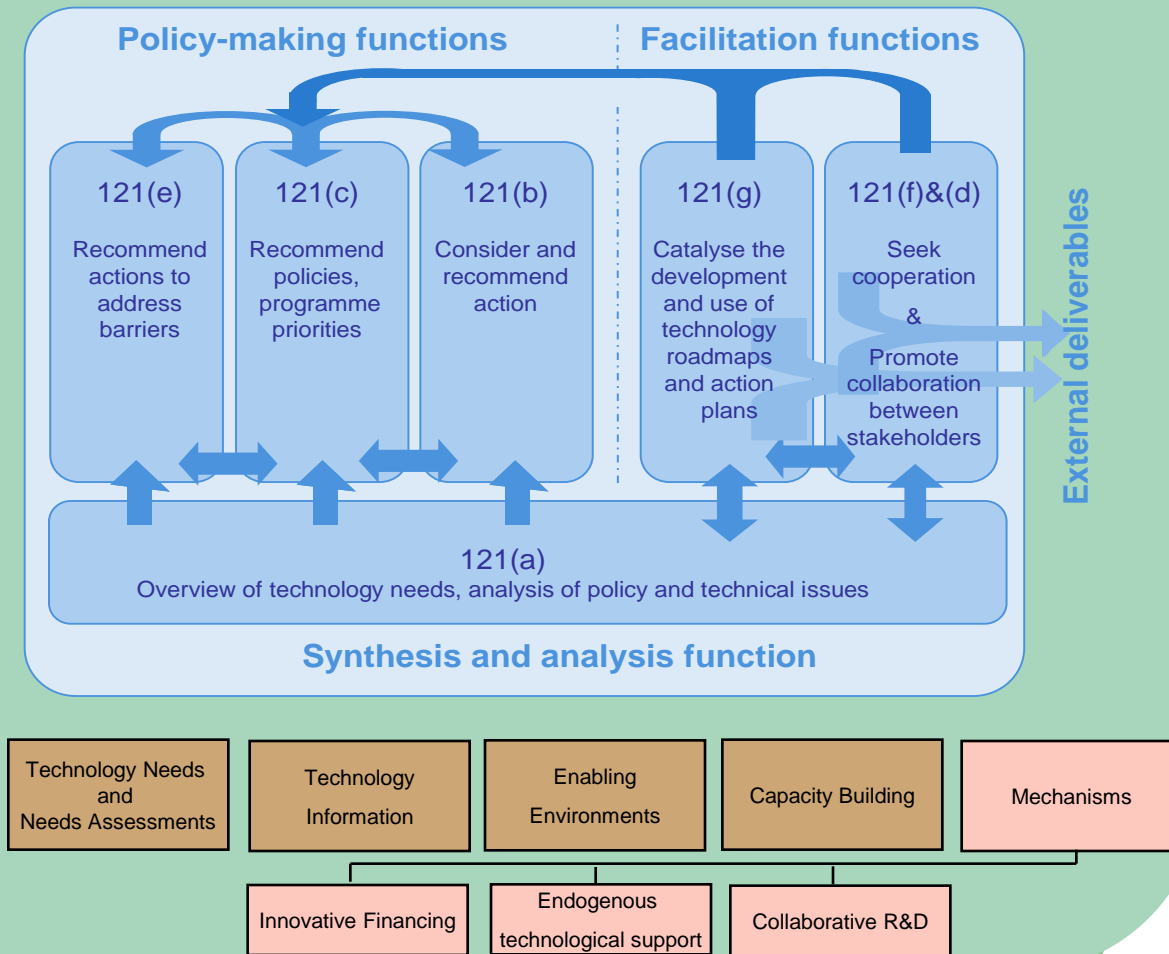
Technology Executive Committee

TEC Governance Model ✓

TEC Strategy and business plan?

TEC Functions ✓

TT Framework ✓



Modalities and Procedures?

Potential governance role

Combined information platform

Joint planning process

?

TEC interface with the CTCN

?

CTCN role advising the TEC

Combined meetings

Joint reporting process

Joint work to implement common functions

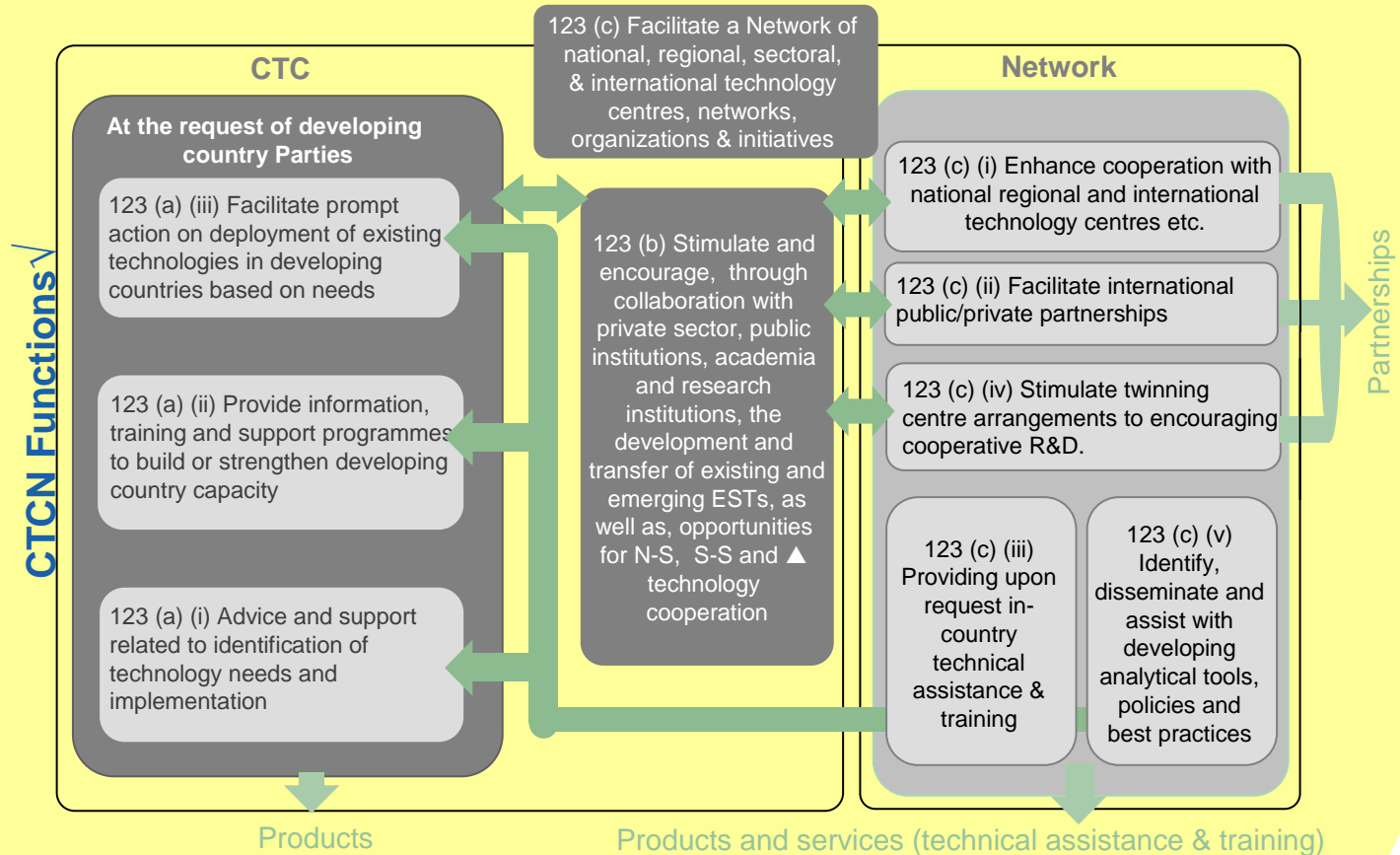
Climate Technology Centre and Network

CTCN Strategy and business plan?

?

CTCN Governance Model?

Relationship between CTC and Network?



Terms of reference?

Structure of the Network?

The TEC

- 20 members with 11 from non-Annex I Parties and 9 from Annex I Parties
- First meeting was held in Bonn, Germany from 1-3 September
- Mr. Gabriel Blanco from Argentina as Chair and Mr. Antonio Pflueger from Germany as Vice-Chair of the TEC for 2012
- Modalities and procedures of the TEC have been elaborated and concluded.
- Draft rules of procedures was adopted for the approval by the COP

Modalities and procedures of the TEC

- Key modalities:
 - Analysis and synthesis
 - *Technology outlook, a serial of technical papers*
 - Policy recommendations
 - *Recommendations to the COP*
 - *Recommendations to the financial mechanism*
 - Facilitation and catalyzing
 - *Forum, inventory, development of technology roadmap*
 - Linkage with other institutions
 - *To be developed in light with outcome of Durban*
 - Engagement of stakeholders
 - *Various forms including co-producer, working group, adviser/observer to the meeting*
 - Information and knowledge sharing
 - *An open information and knowledge platform*

The CTCN

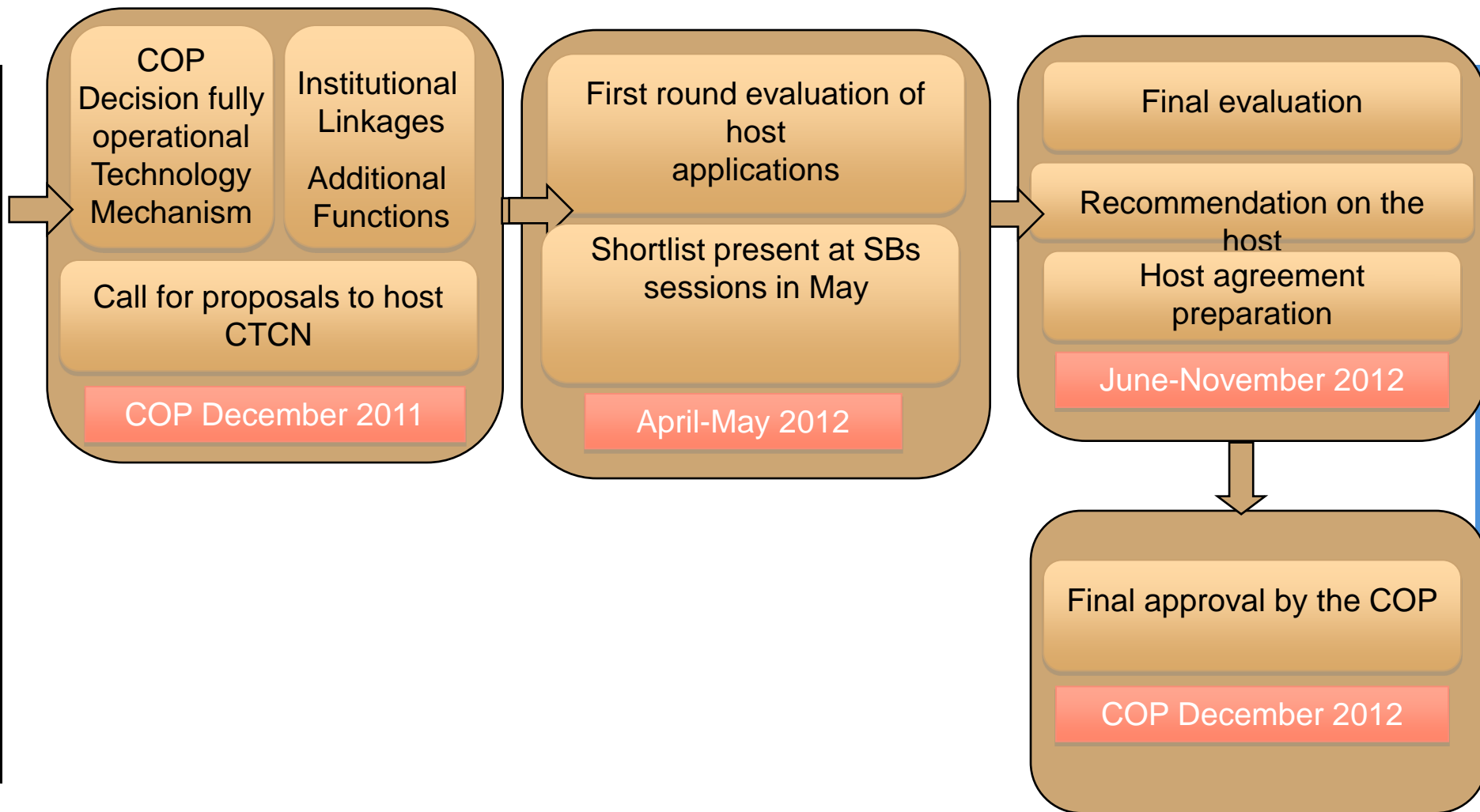
- Possible modalities:
 - A light centre with substance to be dealt by the network
 - Centre hosted by existing organization
 - Assist the developing countries in preparing project proposals and facilitating the funding
 - Start small with the flexibility to grow in response to needs
 - The importance of regional dimension of the CTCN
 - Engagement of national institutions
 - The Network must be flexible and capable of harnessing and adding value to the existing efforts
 - The connections between the Technology Mechanism and financing will be crucial
 - The private sector must be actively engaged and contribute to the Technology Mechanism at all levels.

Issues to be solved to make the TM fully operational in 2012

- Work programme under the AWGLCA in 2011 to define:
 - The relationship between the TEC and the CTCN, and their reporting lines;
 - The governance structure and terms of reference for the CTCN;
 - The procedure for calls for proposals and the criteria to be used to evaluate and select the host of the CTCN;
 - The potential links between the Technology Mechanism and the financial mechanism;
 - Consideration of additional functions for the TEC and CTCN.



Possible Road Map for the CTCN in 2011-12



Thank you



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