



Introduction, workshop objectives, approach and progress

Trærup, Sara Lærke Meltofte

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Technology Needs Assessments

(A GEF funded project under Poznan Strategic Programme on
Technology Transfer)

Introduction, workshop objectives, approach and progress

First Regional Capacity Building Workshop
Follow-up to the First regional capacity building workshop
(Second round countries)
27-28 September 2011
Port Louis, Mauritius

Outline

- Introduction to UNEP Risø Centre
- Introduction to the TNA project
- Objectives of the workshop

UNEP Risø Centre – Energy, Climate and Sustainable Development

- URC was established in 1990
- Based on an agreement between UNEP, Risø DTU and Danida
- URC Management and Policy Committee (MPC) is the board of the Centre
- Scientific Advisory Panel (SAP)
- General mandate is to support and promote UNEP activities in the areas of energy and climate change, with a special emphasis on developing countries.

- International research team of 35 - 40 economists and scientists from 15 different countries.
- Located at Risø National Laboratory for Sustainable Energy since 1990. Now an integral part of Technical University of Denmark – DTU.
- Mandate is to support and promote UNEP activities in the areas of energy and climate change, with a special emphasis on developing countries.



The special setup of URC

- Integrated part of UNEP DTIE Paris
- Core research budget
- Access to a broad range of energy scientists and specialists at Risø DTU.
- A wide network of collaborating institutions, NGOs and partners in more than 40 developing countries.
- A non profit public institution with high demands to procedures, transparency and accounting.



UNEP Risø Centre – Energy, Climate and Sustainable Development

Cleaner Energy Development

- Facilitating cleaner energy technology transfer
- Improve access to cleaner and efficient energy technologies
- Analytical support for overcoming political and institutional barriers

Energy and Carbon Finance

- Piloting new approaches within energy and carbon finance
- Enhancing a more equitable regional CDM project distribution
- Facilitating a more efficient carbon market

Climate Strategies and Resilient Development

- New approaches for assessing cc vulnerability, adaptation and mitigation
- Capacity building for integrating adaptation in dc policies and planning.
- Furthering the understanding of cc impacts and response options

The Technology Needs Assessment (TNA) Project - Project Objectives

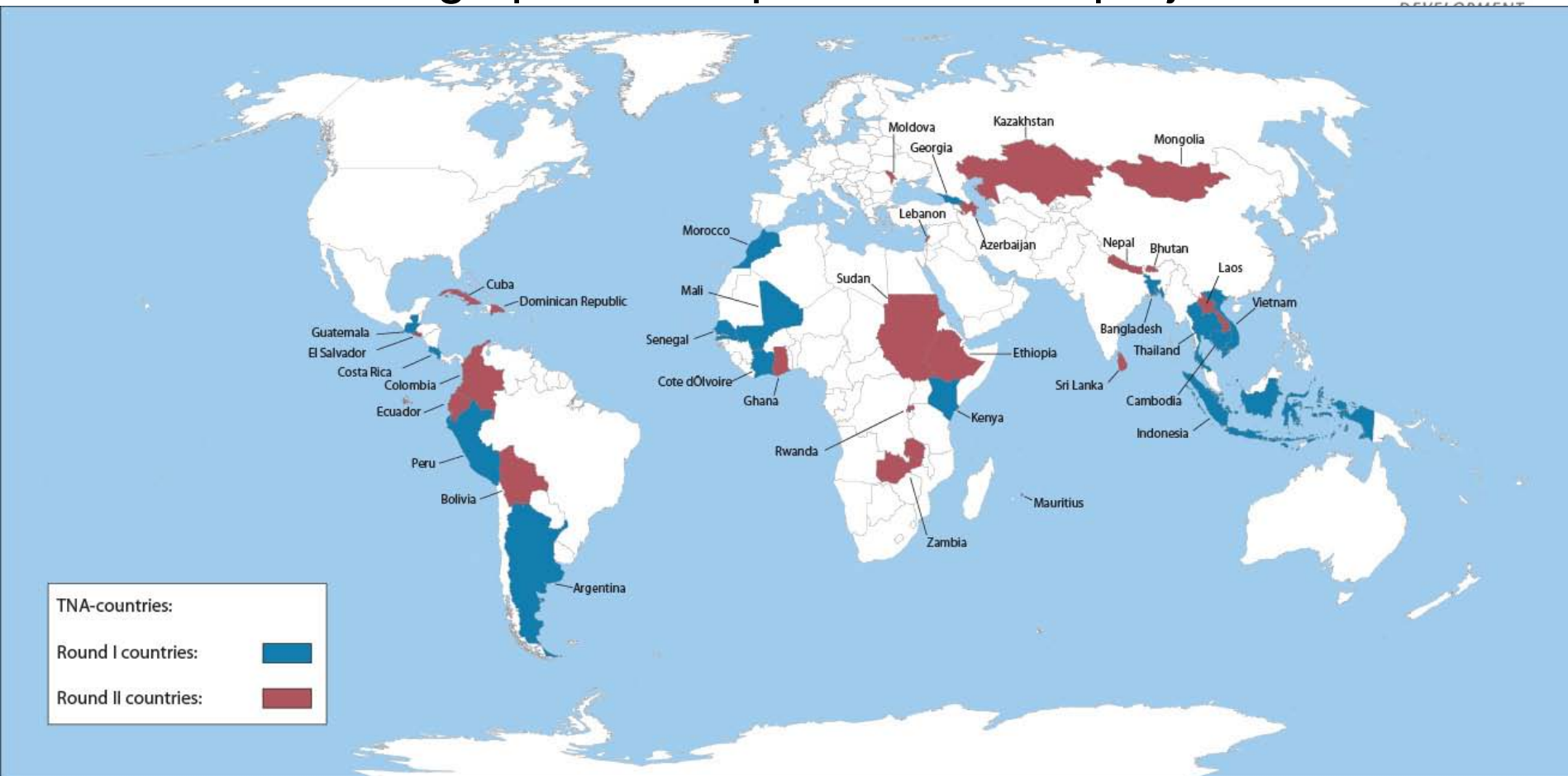
- To identify and prioritize through country-driven participatory processes, technologies that can contribute to mitigation and adaptation goals of the participant countries, while meeting their national sustainable development goals and priorities (TNA).
- To identify the barriers that hinder the acquisition, deployment, and diffusion of the prioritized technologies for mitigation and adaptation.
- To develop Technology Action Plans (TAP) that specify activities and enabling frameworks to overcome the barriers and facilitate the transfer, adoption, and diffusion of selected technologies in the participant countries.

The Technology Needs Assessment (TNA) Project - Overall project data

- Funding: GEF: 9 Million USD
Co-financing: 2,85 Million USD
- Implementing agency: UNEP in cooperation with UNEP
Risø Centre
- Scope: 35-45 countries
 - 15 in first round
 - 21 in second round
- Project start November 2009
- Project end September 2012

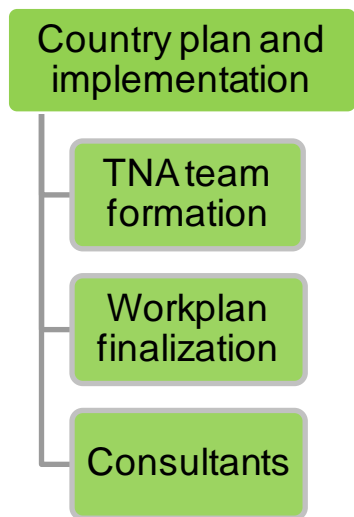
The Technology Needs Assessment (TNA) Project

- Geographical scope of the TNA project



The Technology Needs Assessment (TNA) Project

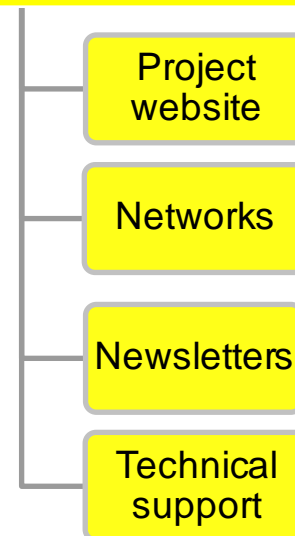
Project Elements



Technical support



Communications and outreach/dissemination



Why this approach ? First Round TNAs- Lessons Learnt

- First Round 1999- onwards
 - UNDP and UNEP Synthesis (2008)
 - Strengthening national capacity should be a key priority for future work on technology transfer activities.
 - Adaptation needs strengthening
 - Stakeholders' role needs to be well defined and involvement strengthened
 - Non-technological options need to be given better attention
 - Activities should be well defined and timely technical guidance should be available
 - Implementation of the findings needs to be supported
-

The Technology Needs Assessment (TNA) Project - TNA Best Practices

- A good institutional set-up needed
 - Project coordinator and team (of experts) right candidates
 - Stakeholder group from key relevant institutions
- Detailed work plan with clear objectives and roles, in consultation with stakeholders
- Use right (most recent) methodology, adapt guidance to national circumstances
- Decide on the tool of prioritization in accordance to the national circumstances
- Use a wide range of criteria, identify a small number of key sectors
- Conduct a barrier analysis for the selected/prioritized technologies
- Draw implementation plans to address the barriers identified
- Develop project proposals

The Technology Needs Assessment (TNA) Project - Country Missions

- **Objectives**

- to initiate and facilitate the programme formulation and contracting process at national level and;
- to establish and strengthen contacts between the UNEP Risø country coordinators and the national stakeholders

- **Main outputs**

- Discussions and finalisation of MoU
- Discussions and agreement on institutional structure
- Discussions and agreement on contracting modalities
- Consultations with TNA Team and stakeholders for common understanding of the project
- Draft work-plan for the TNA project at country level
- Draft contract and TOR for national consultants

- **Time period**

- January-March 2011

The Technology Needs Assessment (TNA)

Project

- Country activities

- Contracts signed:
 - All eight countries: Ghana, Kenya, Lebanon, Mauritius, Zambia, Sudan, Rwanda, Ethiopia
- National Inception workshops held
 - Ghana, Kenya, Lebanon, Mauritius, Zambia, Sudan
- Consultants identified
 - Ethiopia (2), Ghana (3), Kenya (1), Lebanon (3), Mauritius (1), Rwanda (0), Sudan(2), Zambia (2),
- National Inception workshops scheduled:
 - Rwanda, Ethiopia,

The Technology Needs Assessment (TNA)

Project - Country activities

Country	Sectors for mitigation	Sectors for adaptation
Ghana	-	Agriculture, Water
Lebanon	Energy, Transport	Agriculture, Water
Mauritius	Energy Industries	Water, Agriculture & Fisheries, Coastal Zone and Tourism
Sudan	?	?
Zambia	Energy, Waste	Agriculture, Water

Kenya, Ethiopia and Rwanda have not yet prioritized sectors

The Technology Needs Assessment (TNA) Project - Generic Country Work-plan Second round

SI No.	Activity	2011				2012			
		1-3	4-6	7-9	10-12	13-15	16-18	19-21	22-24
	Month								
1.	Establishing TNA Team, Project Coordinator, and carrying out preparatory work - Organising stakeholders - Finalising work-plan - National Inception Workshop								
2.	Prioritizing Sectors and Technologies								
3.	Market Analysis / Barriers Analysis of prioritized technologies and Developing Enabling Framework (Conducting techno-economic appraisal of prioritized technologies where applicable)								
4.	Preparing Technology Action Plan (TAP)								
5.	Preparing selected programme proposals								
6.	Preparing and submitting the Final Report								

1st Regional workshop objectives

- Selecting technologies / strategies for GHG mitigation and climate change adaptation
 - **tools and methodologies**
- Presenting the format of reporting the outcomes in the “Technology Needs Assessment” (TNA) and “Technology Action Plan” (TAP) Reports.
- Familiarizing the participants with the scope of technical assistance related to database - Climate Techwiki, Guidebooks and Helpdesk facility made available under the project

Thanks for your attention !