



**UNEP  
RISØ  
CENTRE**

ENERGY, CLIMATE  
AND SUSTAINABLE  
DEVELOPMENT

**First Meeting of the Durban Forum on Capacity Building.  
23 May, 2012. Bonn, Germany.**

***Global Technology Needs  
Assessment Project:  
An Update on Capacity Building Components***

Jorge Rogat  
UNEP Risø Centre,  
Frederiksborg 399  
4000 Roskilde, Denmark.  
jorr@dtu.dk

Lawrence Agbemabiese  
UNEP DTIE,  
15 rue de Milan - 75441,  
Paris Cedex 09, France.  
lawrence.agbemabiese@unep.org



# Key Facts

- Part of the **Poznan Strategic Program on Technology Transfer**
- Support preparation of a *Technology **Action Plan*** for each participating country (36 countries currently targeted)
- **Technical support** on methodology and tools for prioritization of technologies, multi-criteria analysis (MCA), financial assessments of technologies, and stakeholder consultation
- **Guidance** (TNA Guidebook, sectoral guidelines for transport, buildings, market assessment methodology etc.)
- **Country TNA teams:** Coordinator, National TNA Team, experts and consultants, sectoral / technology workgroups, regional centres (technical support on technologies and on methodology); IEA (policies)

[www.tech-action.org](http://www.tech-action.org)



# Expected Outcomes

- **Capacity developed** through training workshops and utilization of guidebooks and easy access to technology information.
- **National consensus on priority technologies** and agreement on a national action plan, and readiness to implement the action
- **Methodologies which complement the revised TNA Handbook** and facilitate technology information available to countries.
- **Regional networks** ensure that support to the countries available in the region for technology information, methodology, preparation of action plan, and a cooperation mechanism to share TNA experiences.
- Increased **national and interregional cooperation on technology transfer** as a mean to facilitate preparation of TNAs and implementation of TAPs.



# Training is Linked to the TNA Process

TNA Process Step	Organisational Elements		Methodological Elements	Database Supports	Training
	Decision Making Entity	Technical Support			
<b>Prioritization of Technologies</b>					
<b>Stage 1 Prioritizing Sectors</b>	<ul style="list-style-type: none"> <li>National TNA Committee</li> </ul>	<ul style="list-style-type: none"> <li>National Consultants</li> </ul>	<ul style="list-style-type: none"> <li>TNA Handbook</li> <li>Guidebook</li> </ul>		Regional Capacity Building Workshop -1 on Multi criteria, spreadsheets
<b>Stage 2 Prioritizing Technologies</b>	<ul style="list-style-type: none"> <li>National TNA Committee</li> <li>Sectoral work groups</li> </ul>	<ul style="list-style-type: none"> <li>National Consultants</li> </ul>	<ul style="list-style-type: none"> <li>TNA Handbook</li> <li>Multi Criteria Tool</li> <li>Spreadsheets</li> </ul>	<ul style="list-style-type: none"> <li>Sectoral Guidebooks</li> <li>Help Desk (RC's)</li> <li>Climate Techwiki</li> </ul>	
<b>Barrier Analysis &amp; Enabling Framework</b>	<ul style="list-style-type: none"> <li>Work groups</li> </ul>	<ul style="list-style-type: none"> <li>National Consultants</li> </ul>	<ul style="list-style-type: none"> <li>Market Analysis tool (Mitigation)</li> <li>Barrier Analysis</li> <li>Guidebooks</li> </ul>	<ul style="list-style-type: none"> <li>Policy Database</li> </ul>	Regional Capacity Building Workshop -2 on Market / Barrier Analysis & Template for TAP
<b>Technology Action Plan</b>	<ul style="list-style-type: none"> <li>National TNA Committee</li> <li>Project Steering Committee</li> </ul>	<ul style="list-style-type: none"> <li>National Consultants</li> <li>Work groups</li> </ul>	<ul style="list-style-type: none"> <li>Template</li> </ul>		



# Results as at May, 2012

- ❑ January 2012 Launching of **Guidebook on Barrier Analysis and Enabling Framework**.
  
- ❑ Training workshops were conducted in February 2012 for second round countries, bringing to a close the collective training programme of the project.
  
- ❑ From third quarter of 2011 through early 2012...
  - Additional TNA reports submitted by:**  
Ghana, Lebanon, Thailand, Georgia, Sri Lanka, Vietnam, Mongolia and Moldova and Bhutan; Zambia
  
  - Final TAP reports submitted by:**  
Indonesia and Costa Rica
  
  - Advanced draft TAP reports submitted by:**  
Thailand, Vietnam, Mali, Morocco, and Cote d'Ivoire



# Applying the results - Examples

## Costa Rica

TAP will be used as a platform to design and structure sectoral NAMAs in Transport and Energy, and the National Climate Change Strategy.

## Indonesia

Emissions reduction measures and technologies identified in the TAP will help define an enabling policy/regulatory framework for growth of a domestic solar PV panels manufacturing industry.

## Thailand

Assessment results will be used to establish a baseline for specifying mitigation and adaptation targets for the country. The results are expected to inform high level policy decision and implementation by the government.



**UNEP**  
**RISØ**  
**CENTRE**

*ENERGY, CLIMATE  
AND SUSTAINABLE  
DEVELOPMENT*

Thank you

[www.tech-action.org](http://www.tech-action.org)