



## Technology Needs Assessments: Approach to Capacity Building for TNAs

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# **Technology Needs Assessments**

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

## **Approach to Capacity Building for TNAs**

**CLEAN expert meeting on low carbon development planning**

**October 11, 2010**

**ECN, Amsterdam**

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UNEP Risoe Centre, Denmark**



## 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 barriers hindering the acquisition, deployment, and diffusion of prioritized technologies.
- To develop Technology Action Plans (TAP) specifying activities and enabling frameworks to overcome the barriers and facilitate the transfer , adoption, and diffusion of selected technologies in the participant countries.

## Learning from first TNA

### □ First Round TNAs- Lessons Learnt ; UNDP and UNEP Synthesis Report (2008)

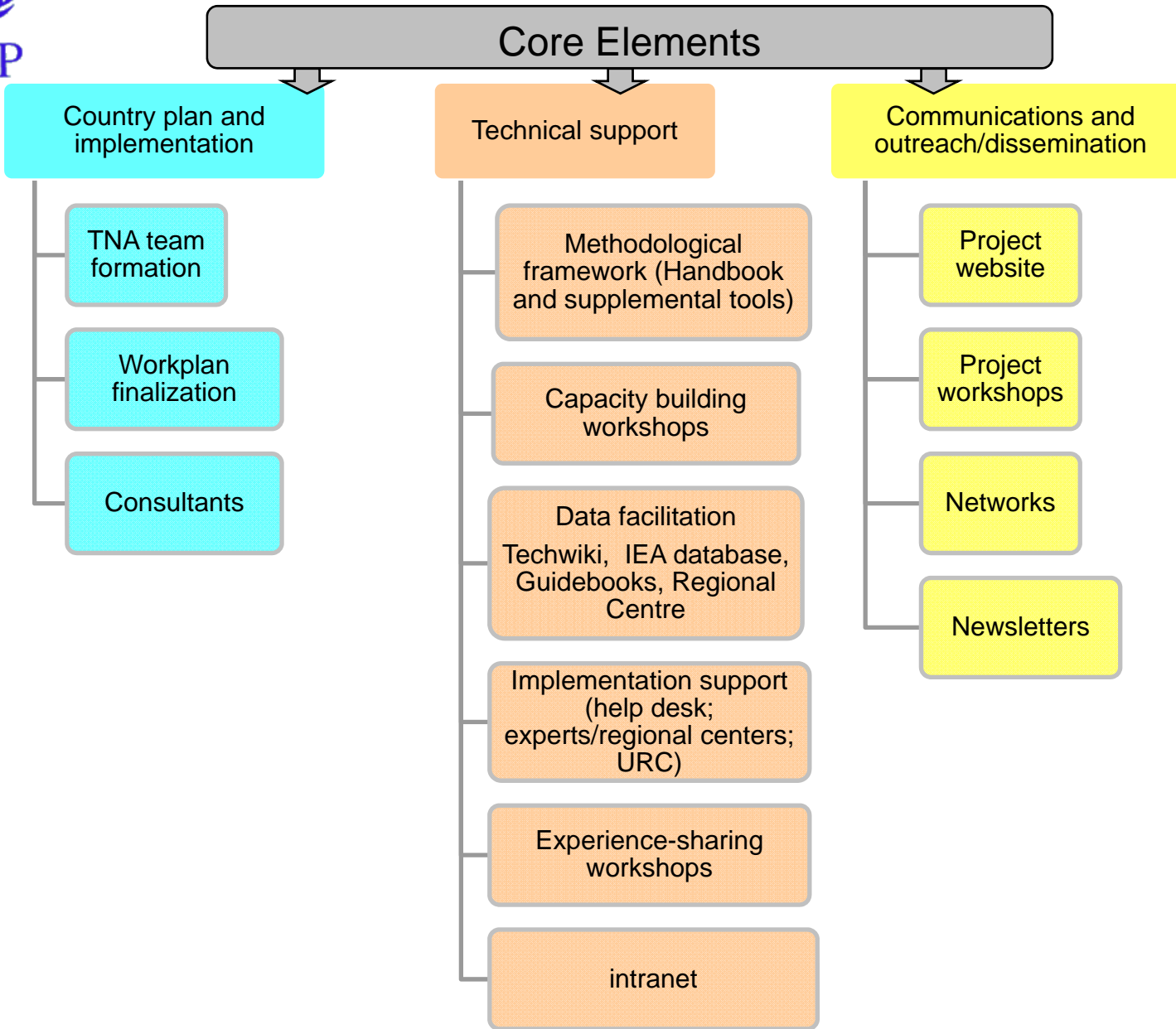
- Strengthening **national capacity** should be a key priority for future work on technology transfer activities
- Identification of Technology Needs for **Adaptation needs** strengthening
- **Stakeholders role** needs to be well defined and involvement strengthened
- Non-technological options need to be given better attention
- Activities should be well defined and timely technical guidance should be available
- Implementation of the findings needs to be supported
- .....

# Learning from TNA Best Practices Workshop

## □ TNA Best Practices (UNFCCC Workshop report, 2007)

- A good **institutional set-up** in countries needed
  - Project coordinator and team (of experts) right candidates
  - Stakeholder group from key relevant institutions
- Detailed workplan 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
- Need to Conduct a **barrier analysis** for the selected/prioritized technologies
- Need to Draw **implementation plans** to address the barriers identified
- Develop **project proposals**
- ....

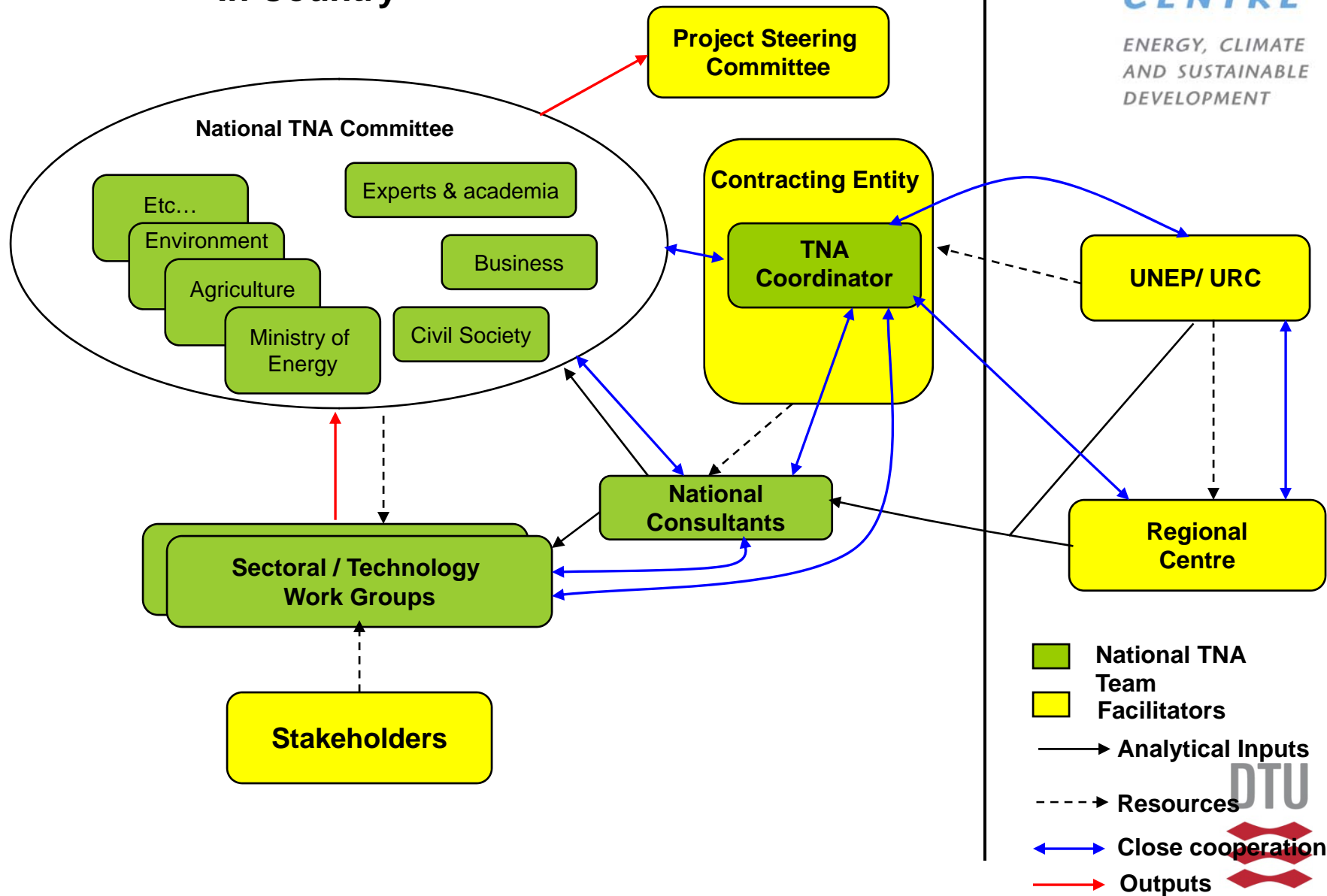
# Approach



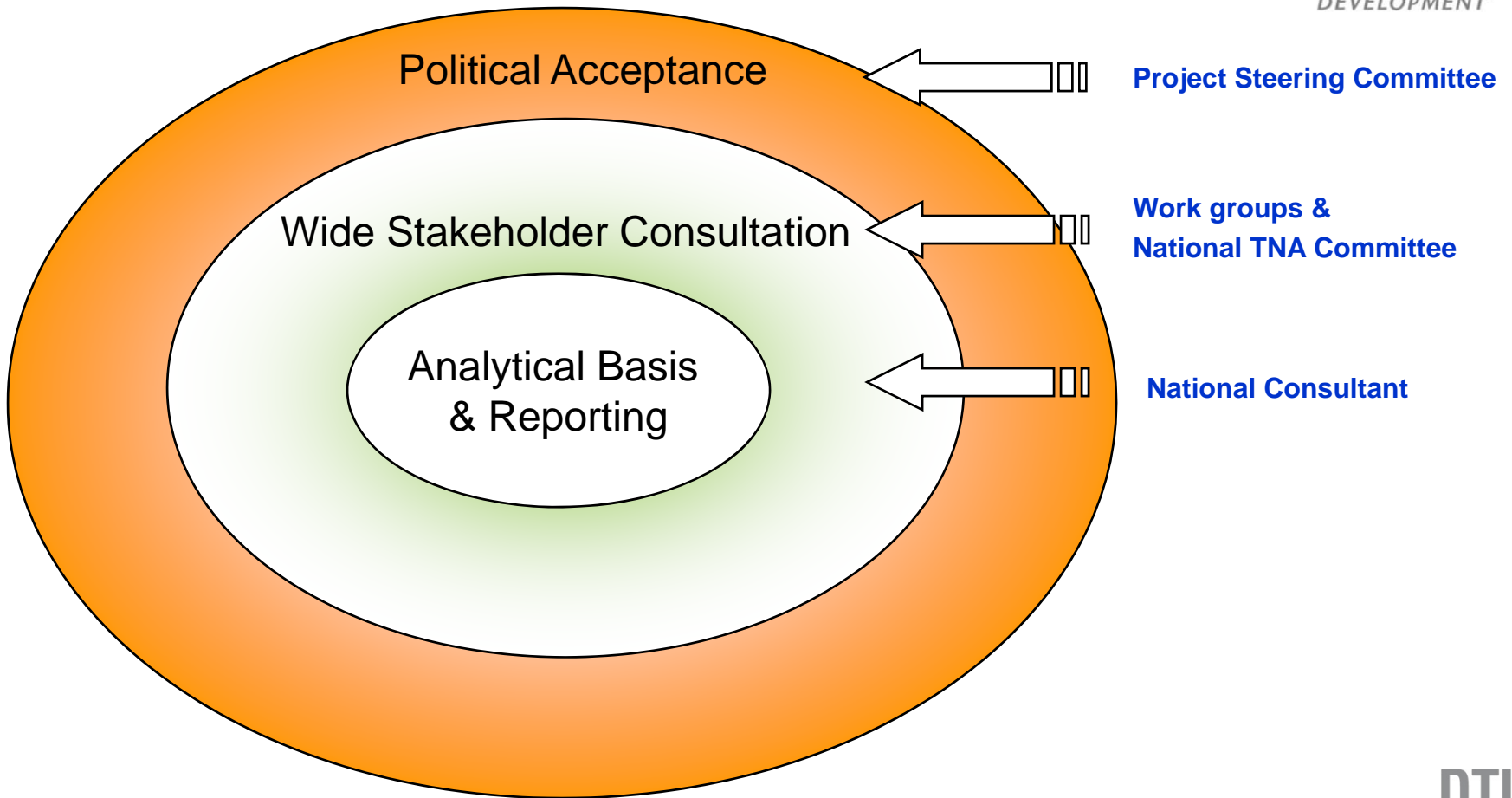
# Organisational Structure

## In Country

## Global

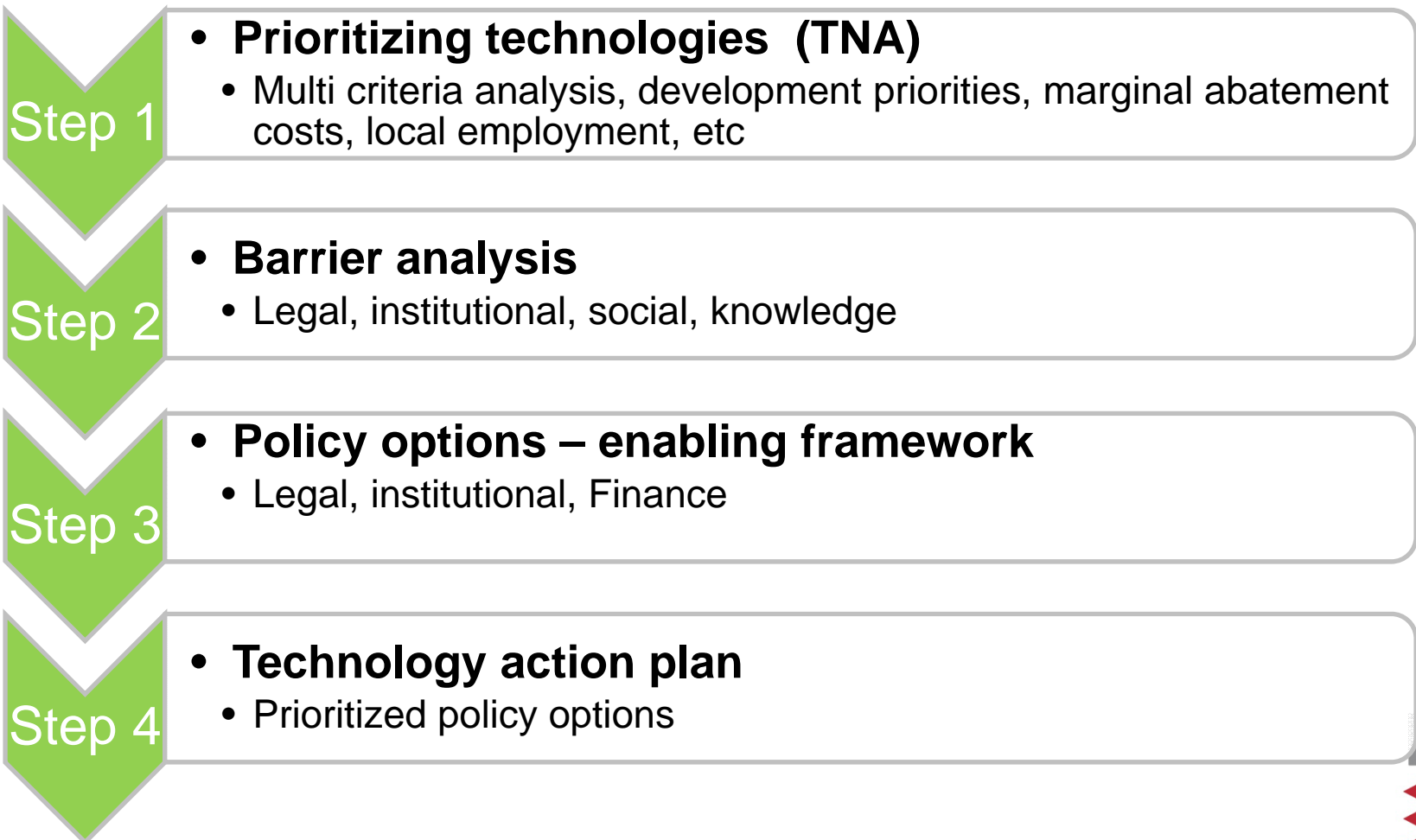


# Role of organizational elements





# Steps in preparing Technology Action Plans (TAP)





# Country Support Matrix

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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>	
<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>		Regional Capacity Building Workshop -2 on Market / Barrier Analysis & Template for TAP

## Progress Report; Activities

### Capacity Building (regional) Workshops- first round

- September 2010

### Regional Centre Support

- RCs in place.

### Data facilitation

- Collaboration with UNDP, Regional Centres, IEA, and, experts (guidebooks)

### Website and Intranet

- Website operational

[www.tech-action.org](http://www.tech-action.org) and intranet operational now

### Templates

- TNA Report and TAP

# What Next on Capacity Building?

- TNA handbook +++
- Feedback from first workshop
- Second capacity building workshop; Barriers, Enabling Framework, TAP
- Other areas;
  - Support for development of project ideas
  - Support for development of TAP
  - Access to Financing
  - Investigating other issues (IPR)
- What other issues / areas for a TNA ?
- Experts in these areas to support countries
- Process is country driven



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# Thank You

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