



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

**Jyoti Prasad Painuly
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)

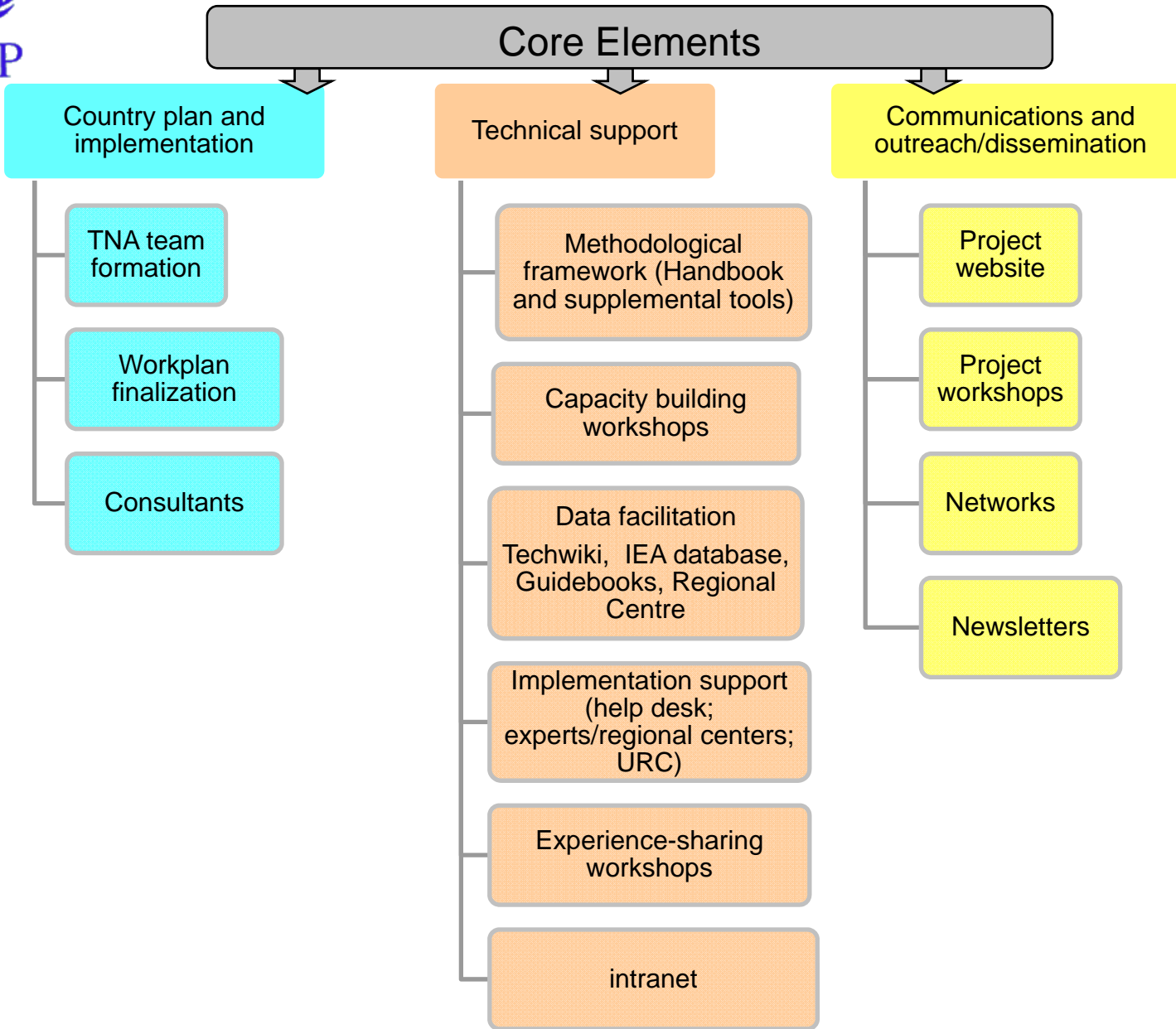
- Strengthening **national capacity** should be a key priority for future work on technology transfer activities
- Identification of Technology Needs for **Adaptation needs** strengthening
- **Stakeholders role** needs to be well defined and involvement strengthened
- Non-technological options need to 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**
-

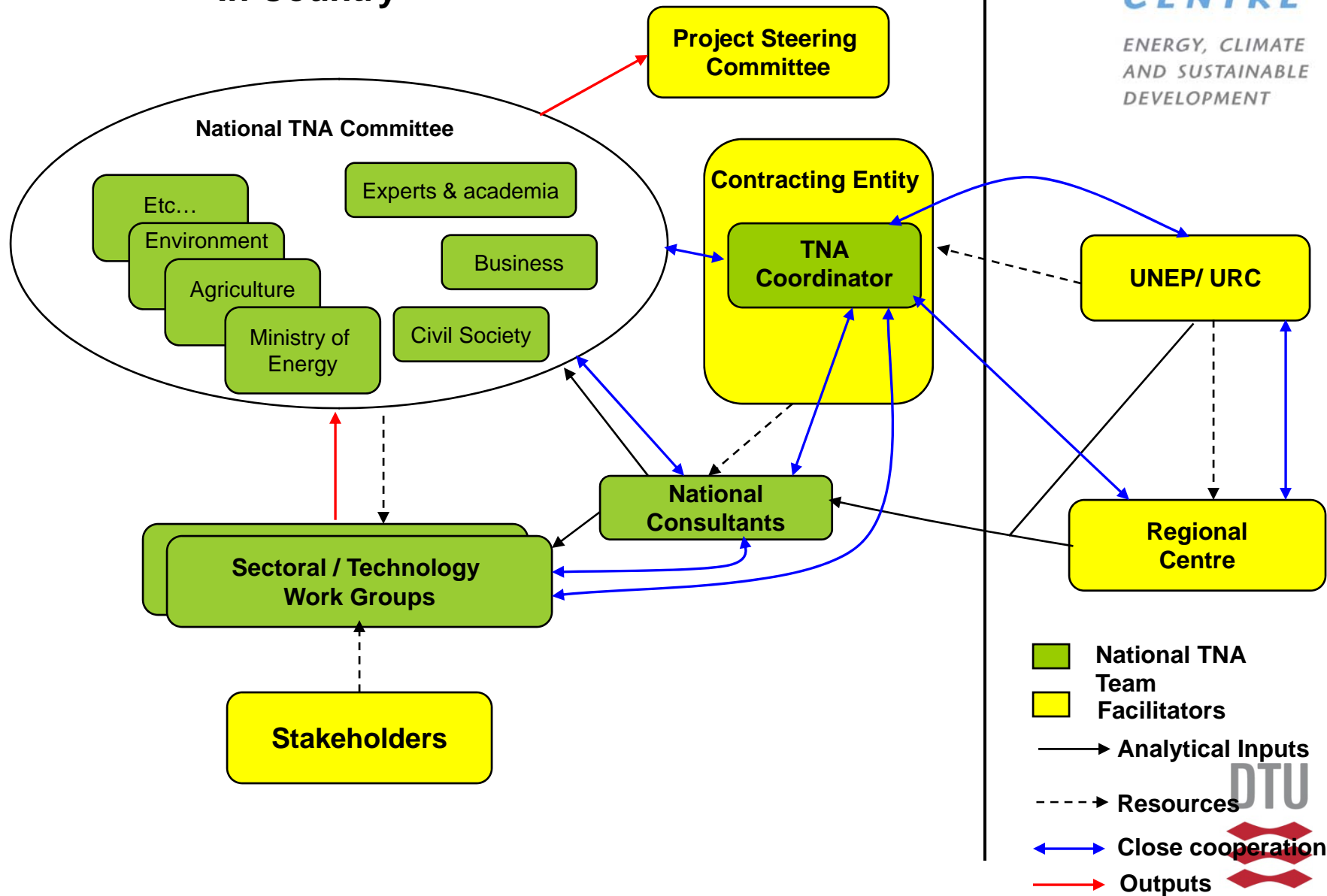
Approach



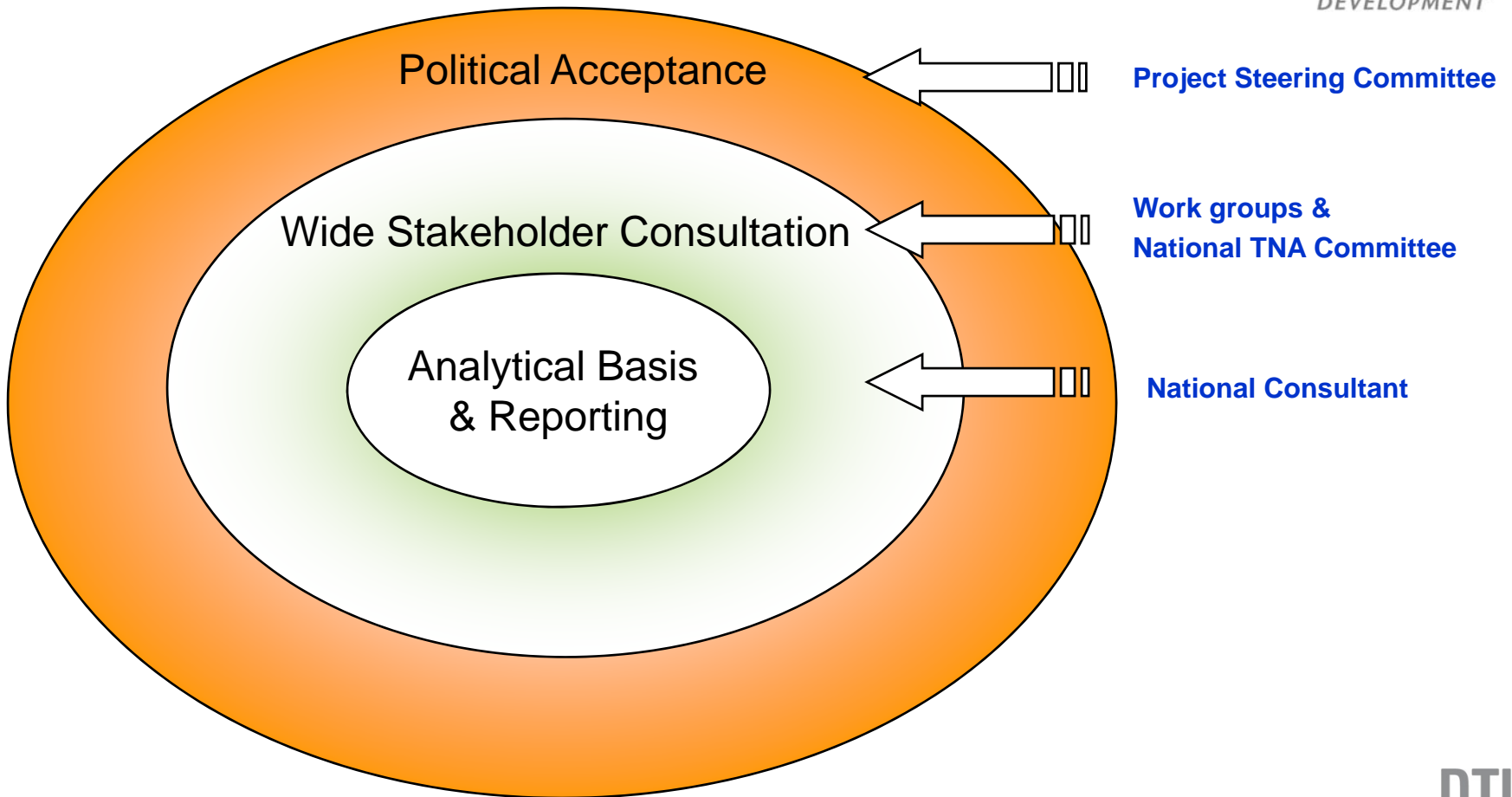
Organisational Structure

In Country

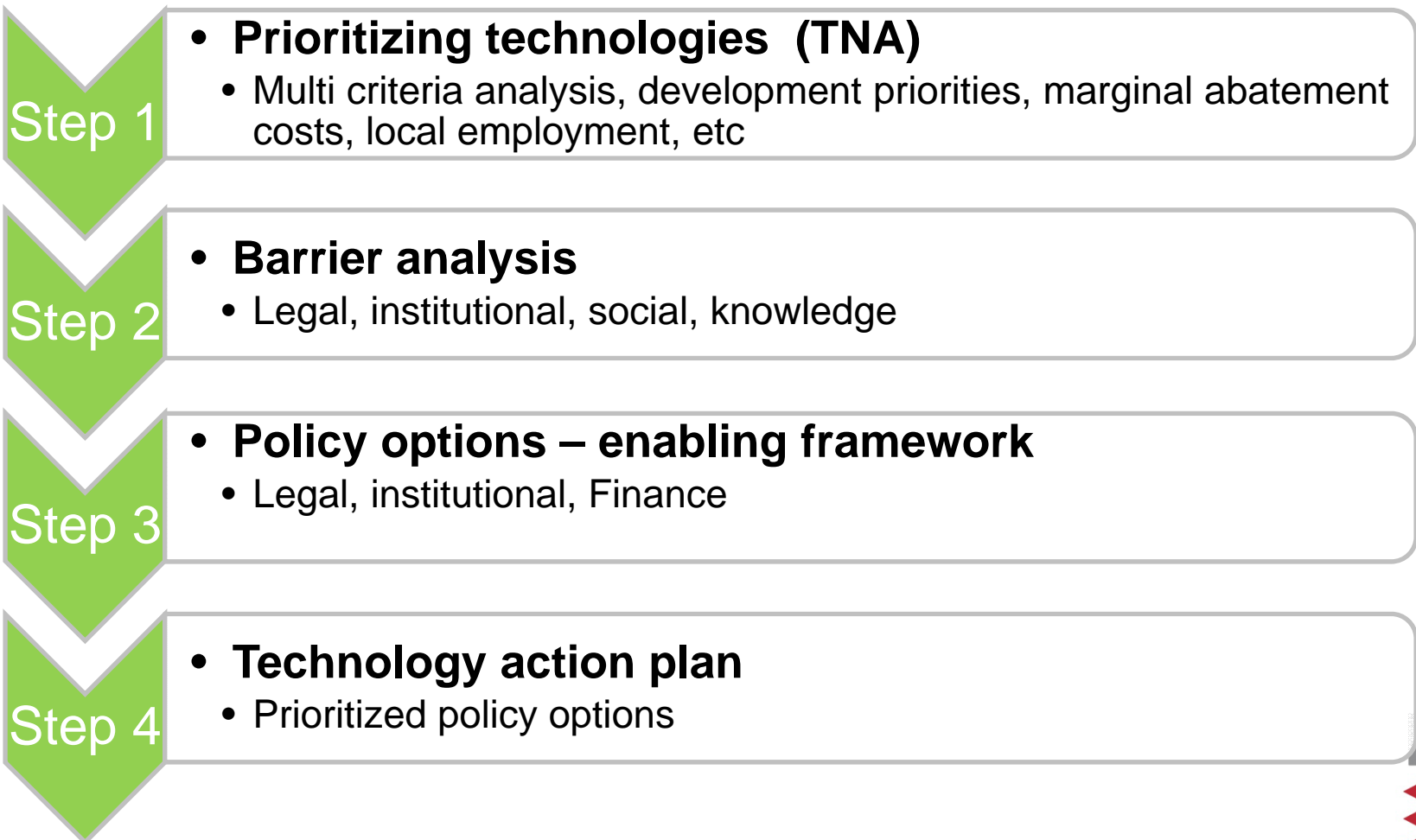
Global



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			
Prioritization of Technologies					
Stage 1 Prioritizing Sectors	<ul style="list-style-type: none"> National TNA Committee 	<ul style="list-style-type: none"> National Consultants 	<ul style="list-style-type: none"> TNA Handbook Guidebook 		Regional Capacity Building Workshop -1 on Multi criteria, spreadsheets
Stage 2 Prioritizing Technologies	<ul style="list-style-type: none"> National TNA Committee Sectoral work groups 	<ul style="list-style-type: none"> National Consultants 	<ul style="list-style-type: none"> TNA Handbook Multi Criteria Tool Spreadsheets 	<ul style="list-style-type: none"> Sectoral Guidebooks Help Desk (RC's) Climate Techwiki 	
Barrier Analysis & Enabling Framework	<ul style="list-style-type: none"> Work groups 	<ul style="list-style-type: none"> National Consultants 	<ul style="list-style-type: none"> Market Analysis tool (Mitigation) Barrier Analysis Guidebooks 	<ul style="list-style-type: none"> Policy Database 	
Technology Action Plan	<ul style="list-style-type: none"> National TNA Committee Project Steering Committee 	<ul style="list-style-type: none"> National Consultants Work groups 	<ul style="list-style-type: none"> Template 		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 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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