



## Introduction and Overall Approach, the TNA project

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# Technology Needs Assessments

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

## Introduction and Overall Approach

**Kigali, Rwanda**

**March 2011**

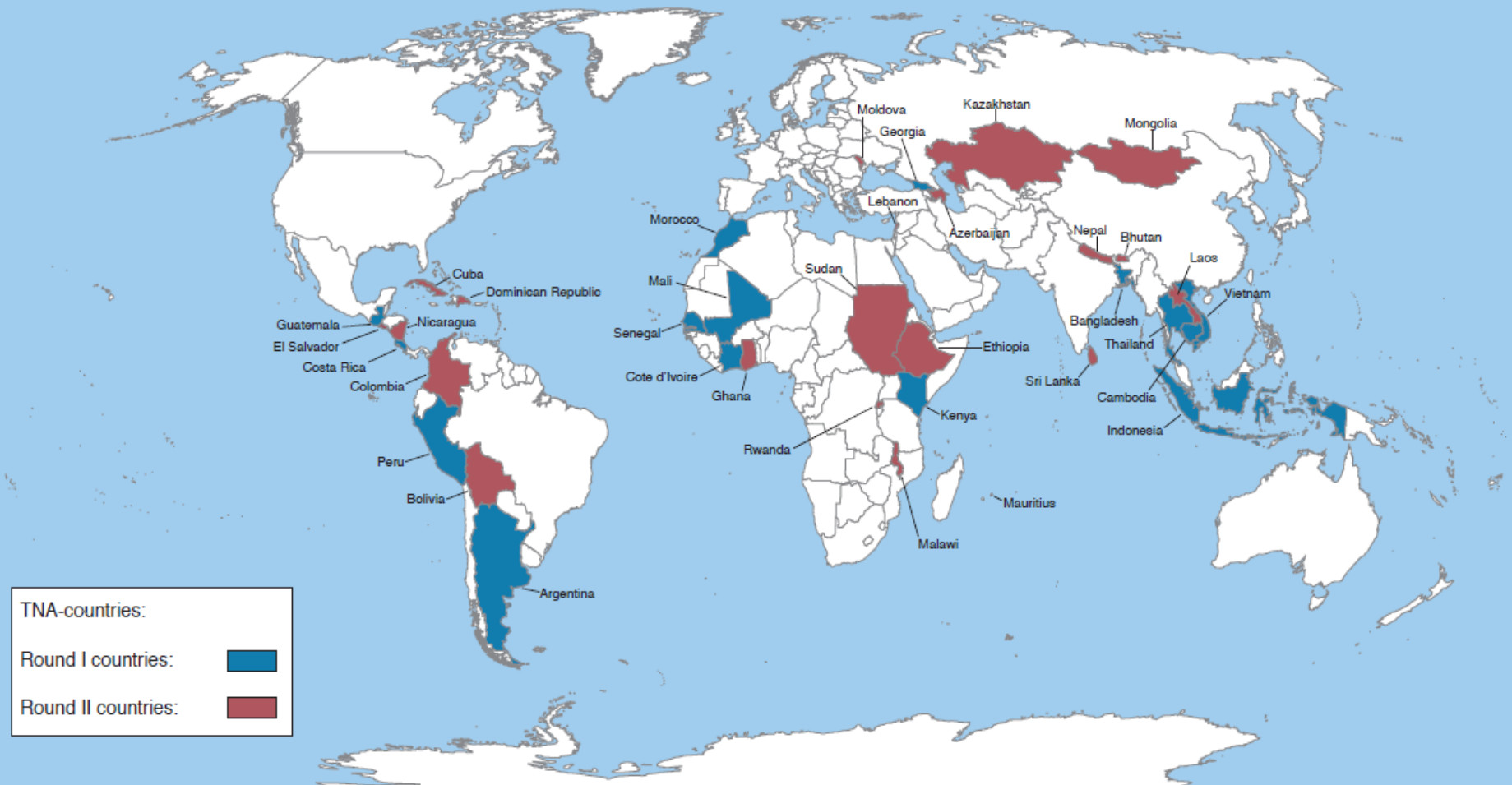
## Project Objectives

- 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.
- 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).

## Overall project data

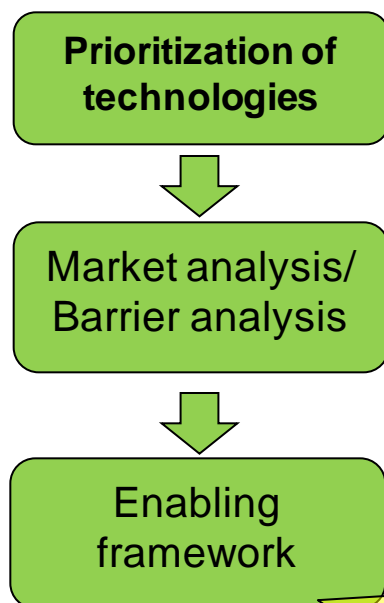
- Funding: GEF: 9 Million USD  
Co-financing: 2,85 Million USD
- Implementing agency: UNEP in cooperation with UNEP Risø Centre
- Technical support: Regional Centres (ENDA)
- Scope: 35-45 countries
  - 15 in first round
  - 21 in second round
- Project start: 1 November 2009
- Timeframe: 2,5 years

# Geographical scope of the TNA project

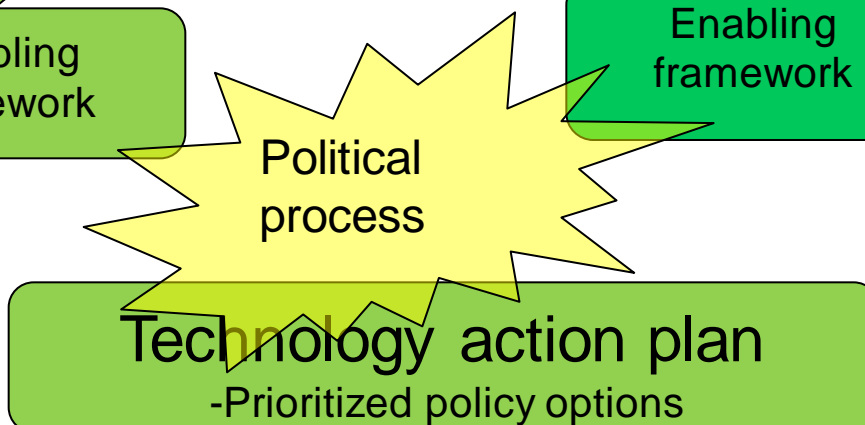
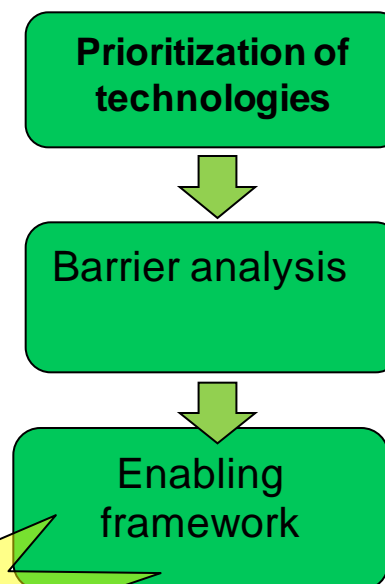


## From TNAs to TAPs

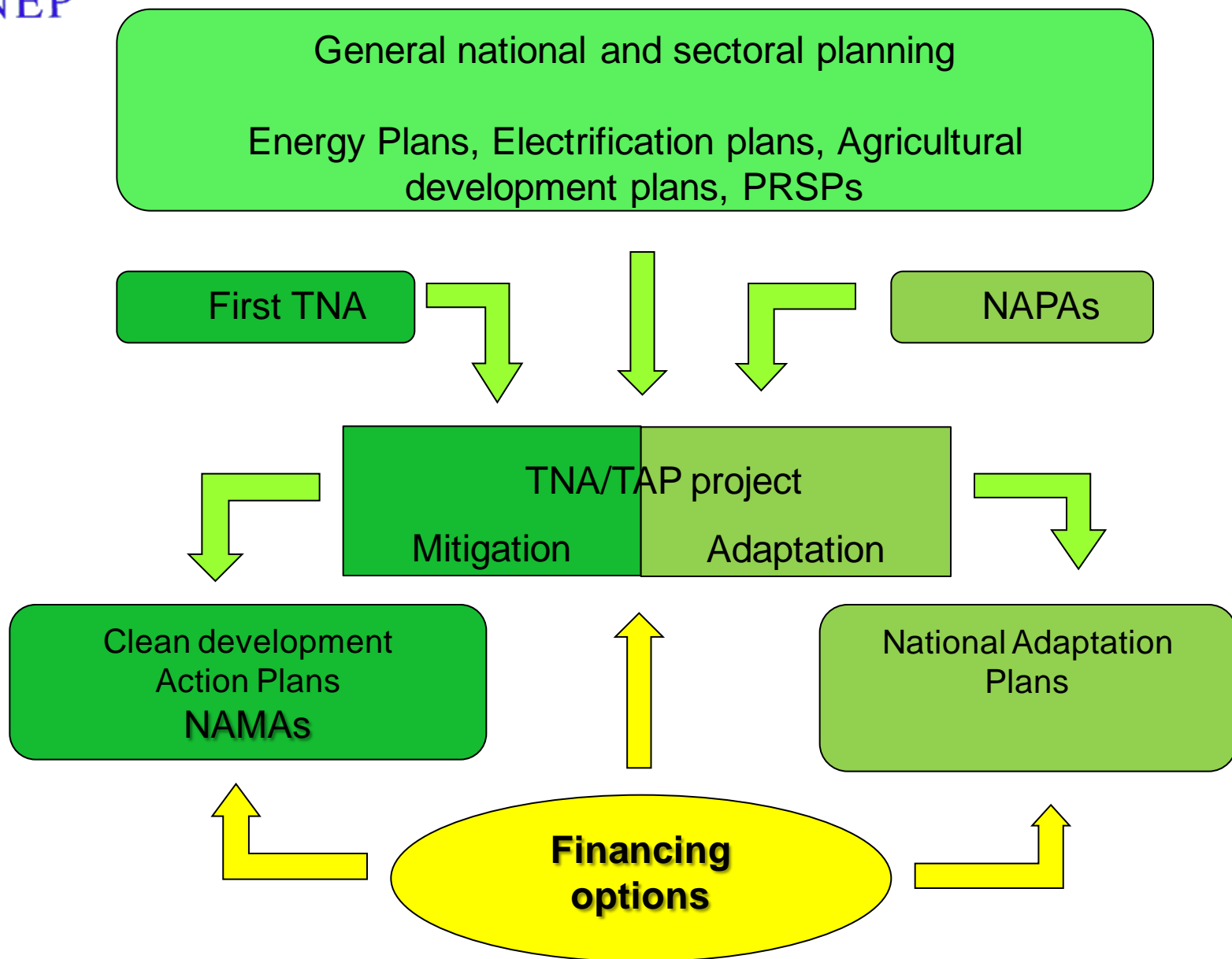
### Mitigation technologies



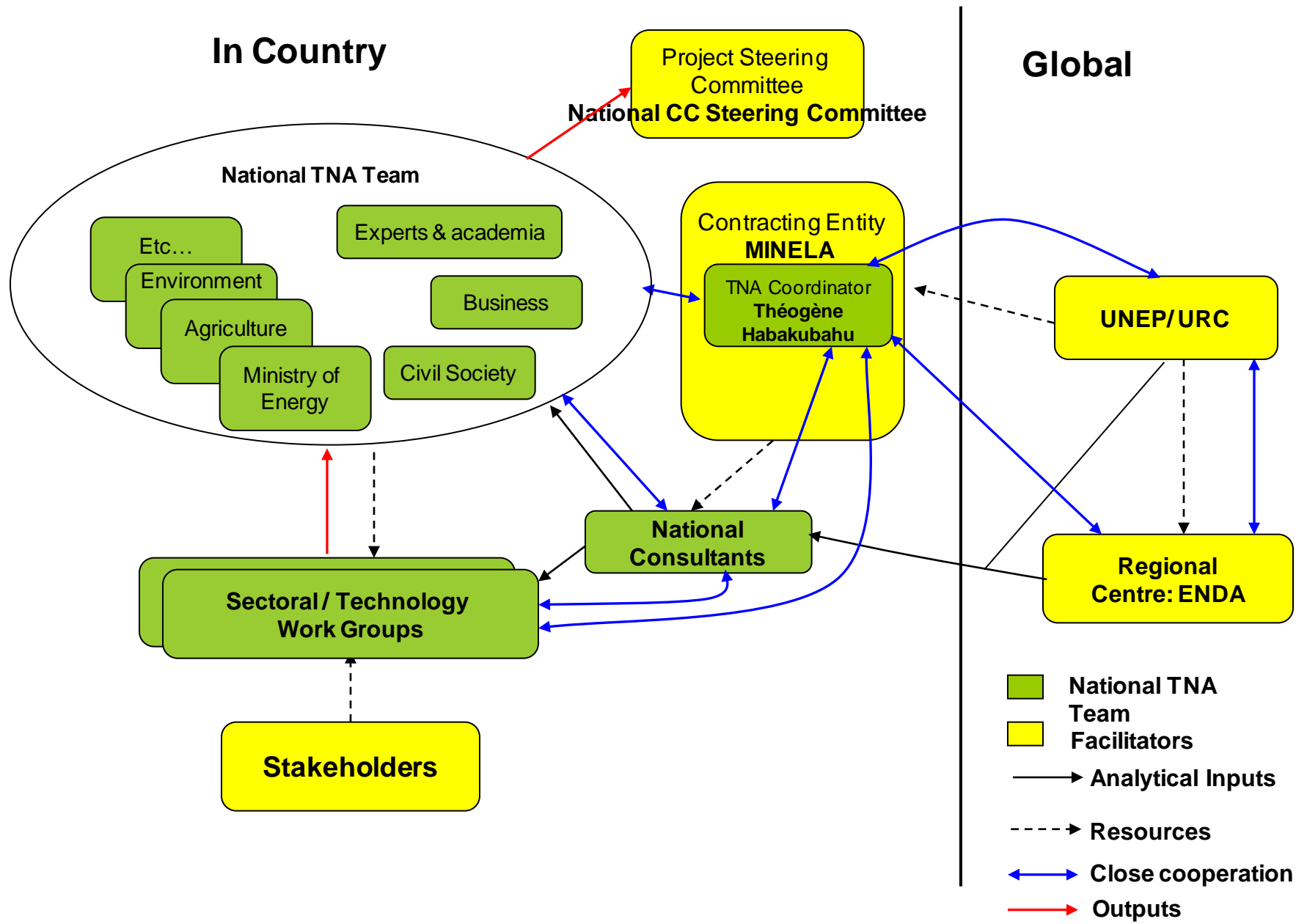
### Adaptation technologies



# TNA, Technology Actions Plans, NAPAs and NAMAs

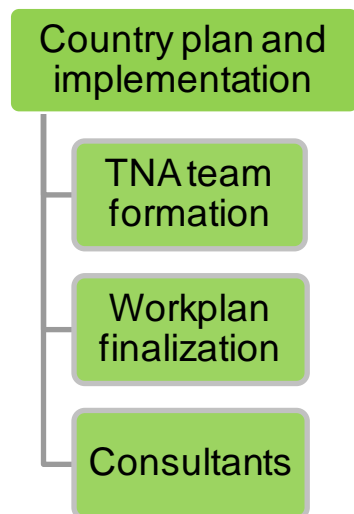


# Organisational Structure





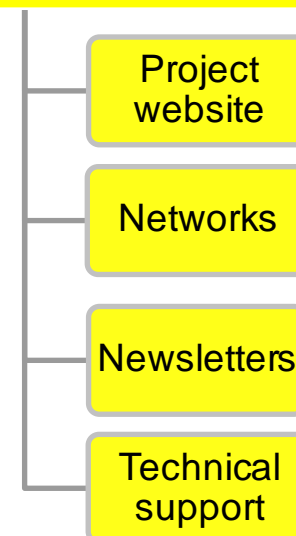
# Project Elements



## Technical support



## Communications and outreach/dissemination



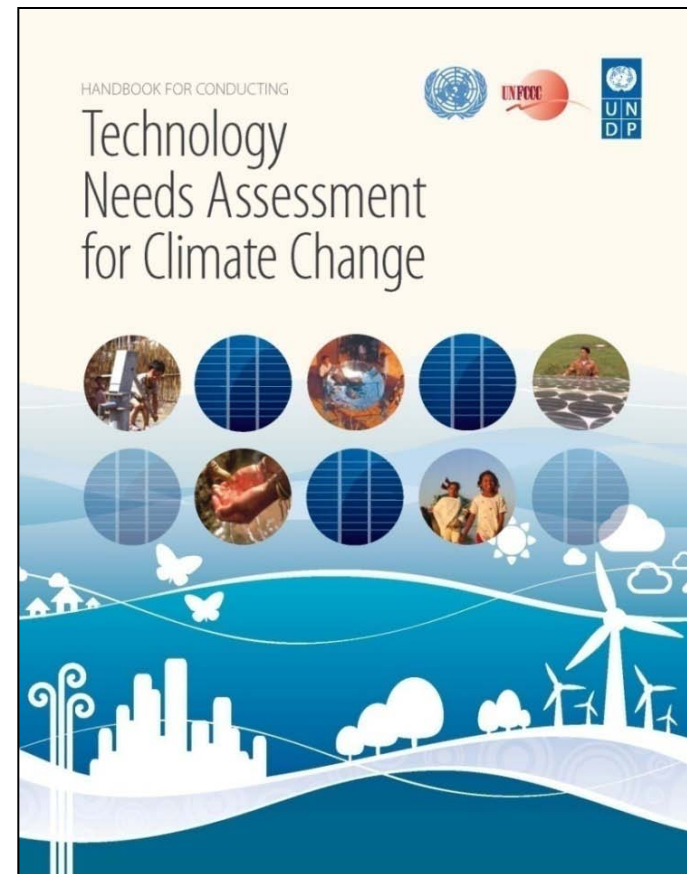
# Main sources for assistance

## Barrier analysis guidebook



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

## TNA Handbook



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

# Climate Techwiki

## ClimateTechWiki

An online clean technology database



<http://www.climatechwiki.org/>

Home Discussions Welcome About FAQ Contact Partners Portal

New password Register My Account Login

To support development and transfer of environmentally sustainable technologies, ClimateTechWiki offers an on-line database with up-to-date and "up-datable" technology descriptions in different sectors and categories



Search ClimateTechWiki

MITIGATION

[Search technology by sector](#)

[Search by technology name](#)

Search by energy service

ADAPTATION

Search technology by sector

Search by technology name



## Current status

- Only having mitigation
- Around 40+ technologies factsheets uploaded
- Another 40 descriptions will be uploaded within the coming month

## Future

- Will also have adaptation
- Inputs would also be provided from guidebooks being developed by URC
- Regional centers to also contribute

# Main sources for assistance

## Sectoral Guidebooks

- Technologies for climate change adaptation
  - Coastal Erosion and Flooding, Dec. 2010
  - Water sector
  - Agricultural sector
- Technologies for climate change mitigation
  - Agriculture sector
  - Building sector
  - Transport sector

<http://www.tech-action.org/resources.htm>

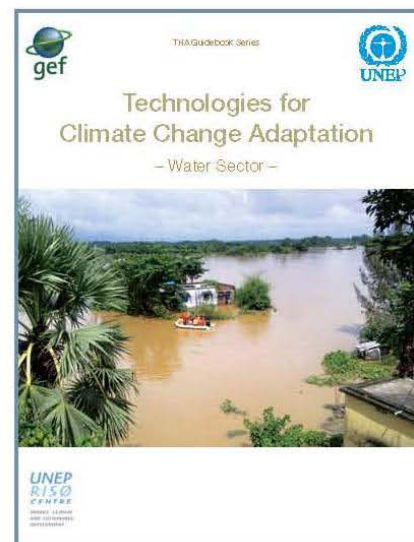
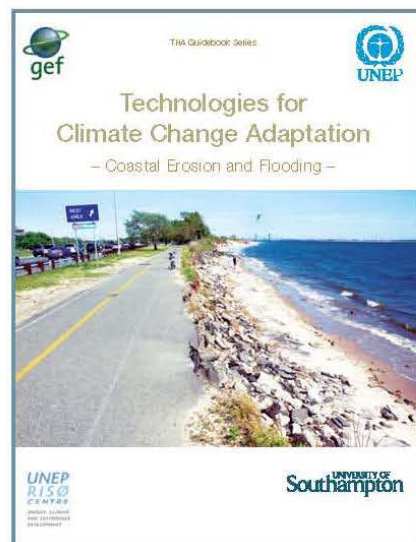
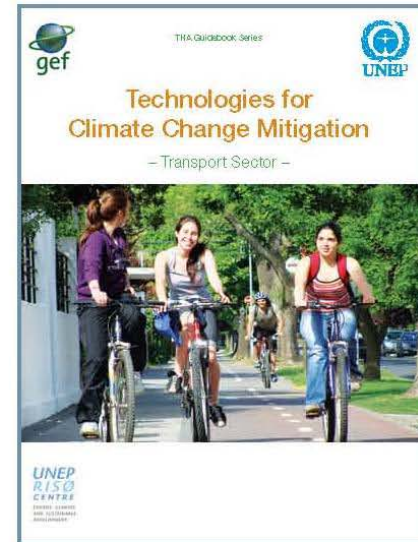
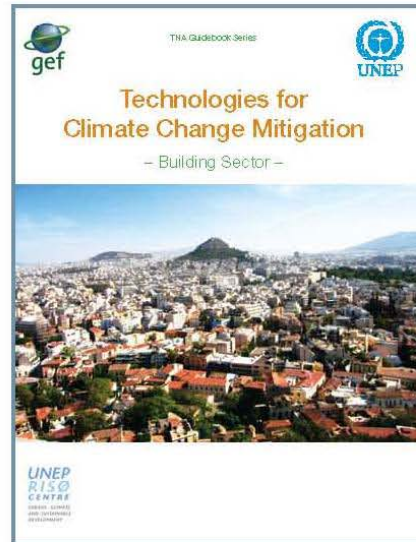
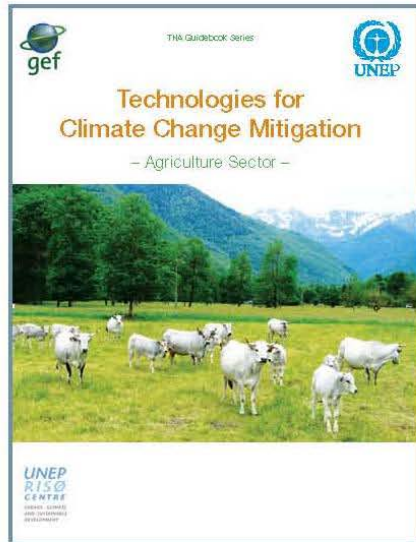
## Tech-Transfer Series

**First issue,  
April – May 2011**

**Enabling frameworks  
for clean energy technologies  
in developing countries**

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

# Sectoral Guidebooks



## Support - Components

- [TNA Handbook](#) – Provide general methodology
- [Barrier analysis handbook](#) – Supplements the TNA handbook on barrier analysis and enabling framework
- [Climate Techwiki](#) – An online platform on climate technologies for mitigation and adaptation which UNEP / URC are promoting along with UNDP
- [Guidebooks](#) – Focussed on both mitigation and adaptation technologies within sectors. These would complement the Climate Techwiki
- [Help Desk Facility](#) – Immediate problem solving support provided by the regional centres

# 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



# 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

Source: UNFCCC Workshop, 2007



# 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								

**Thanks for your attention !**