



## Introduction and Overall Approach, the TNA project

Trærup, Sara Lærke Meltofte

*Publication date:*  
2011

*Document Version*  
Publisher's PDF, also known as Version of record

[Link back to DTU Orbit](#)

*Citation (APA):*  
Trærup, S. L. M. (Author). (2011). Introduction and Overall Approach, the TNA project. Sound/Visual production (digital)

---

### General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

# Technology Needs Assessments

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

## Introduction and Overall Approach

**Kigali, Rwanda**

**March 2011**

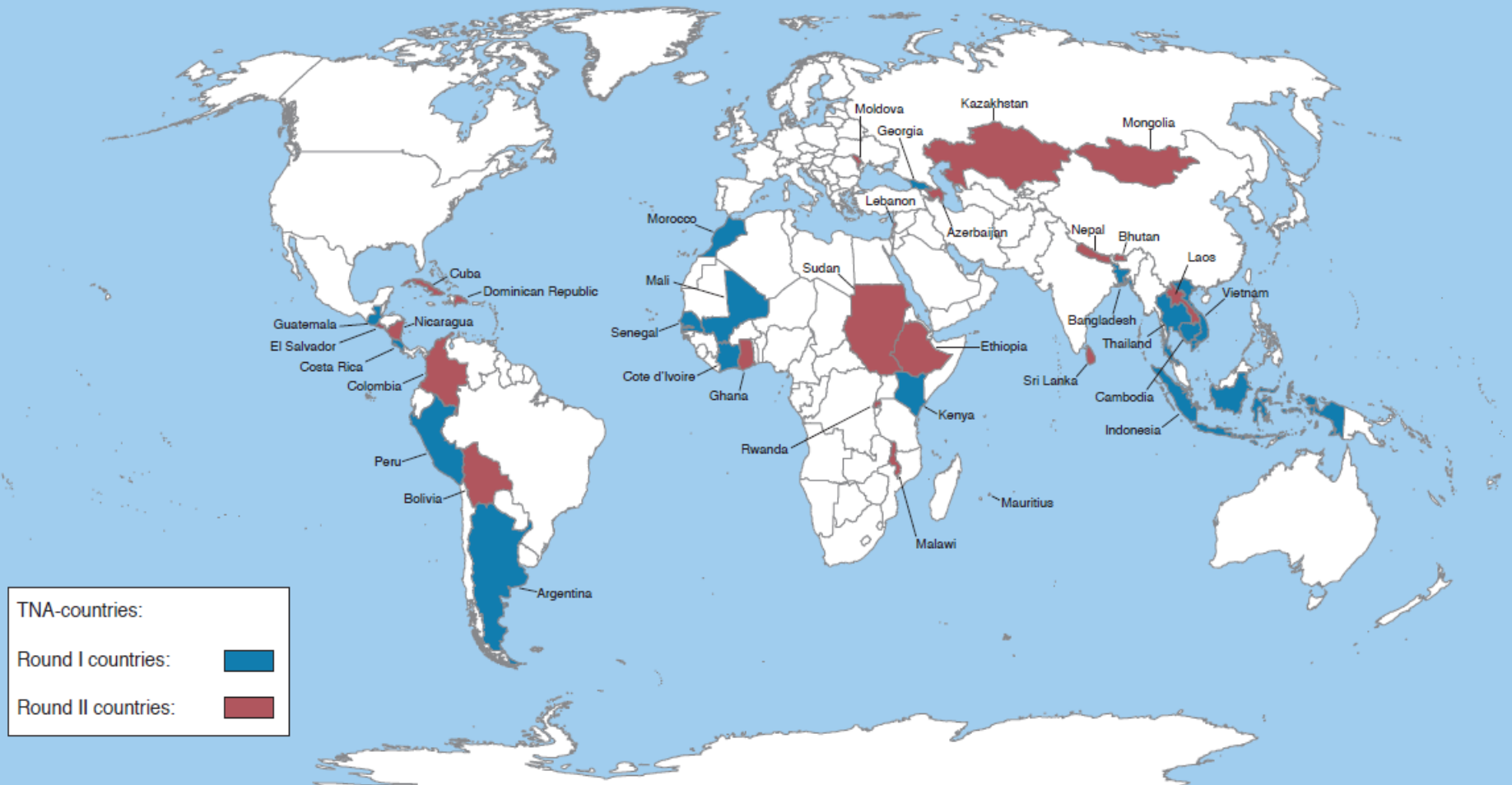
## Project Objectives

- 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

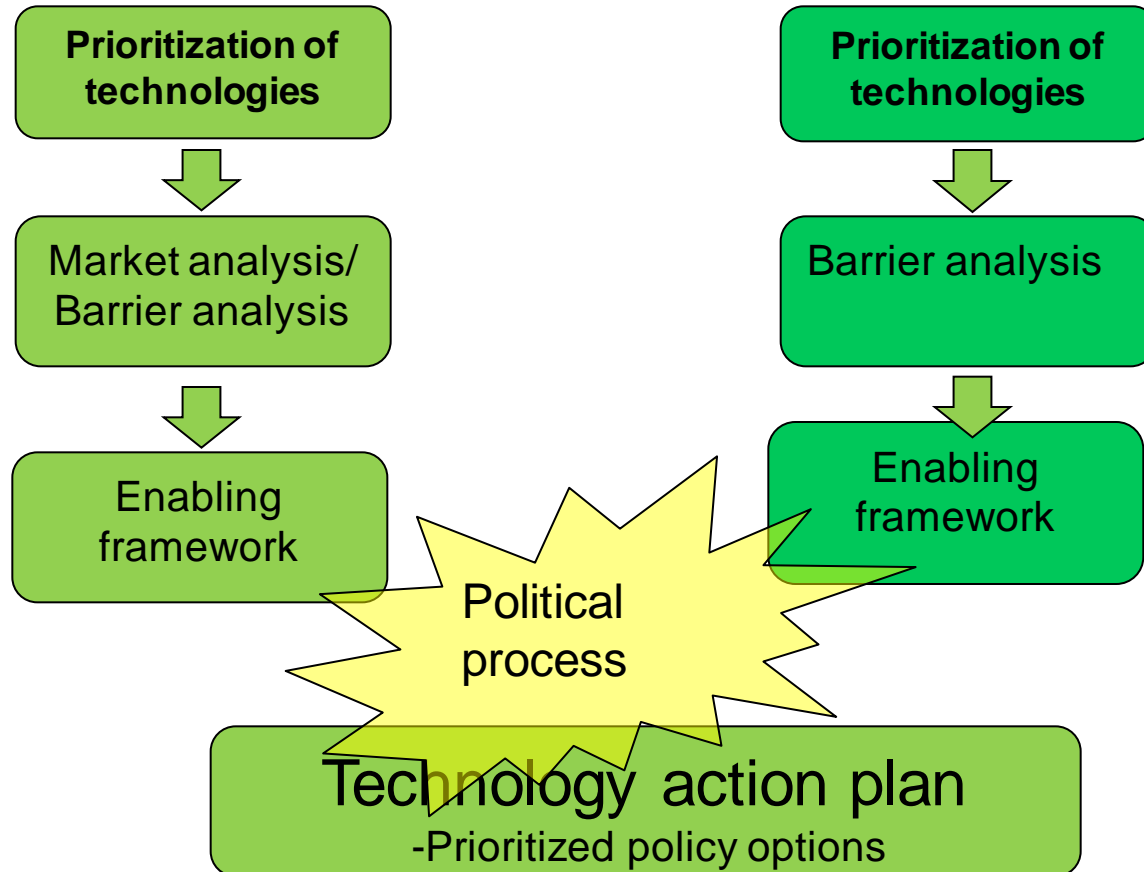
# Geographical scope of the TNA project



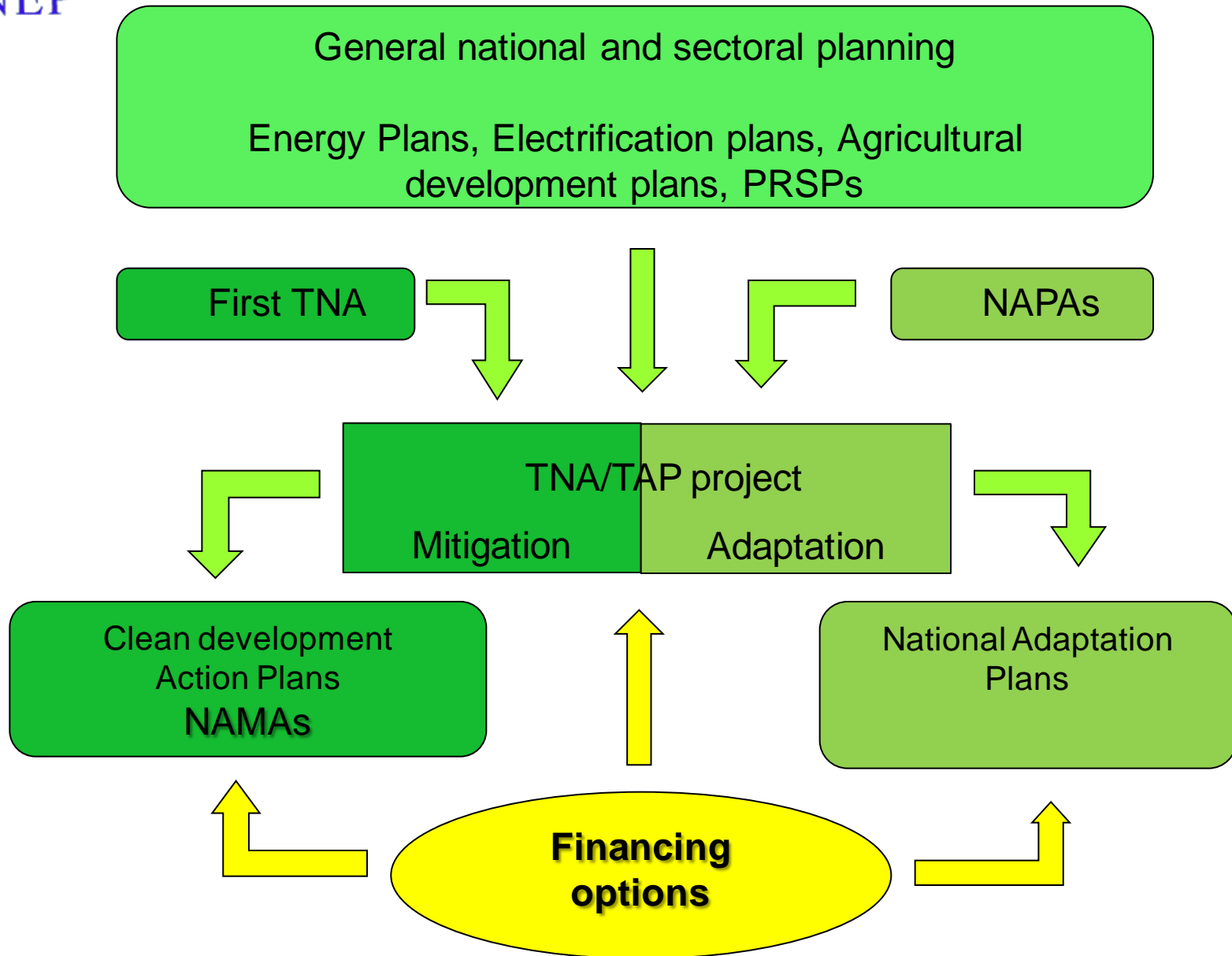
# From TNAs to TAPs

## Mitigation technologies

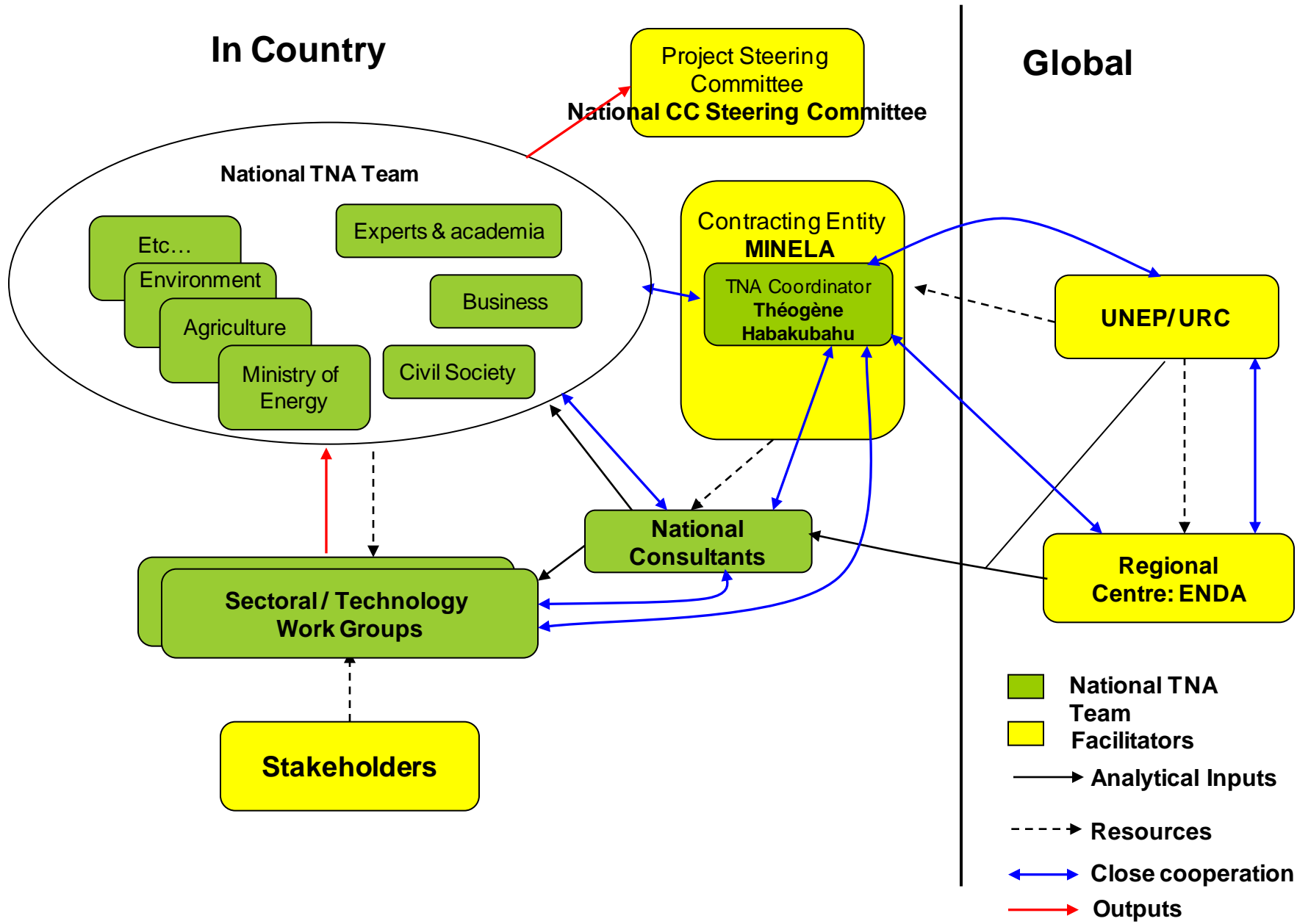
## Adaptation technologies



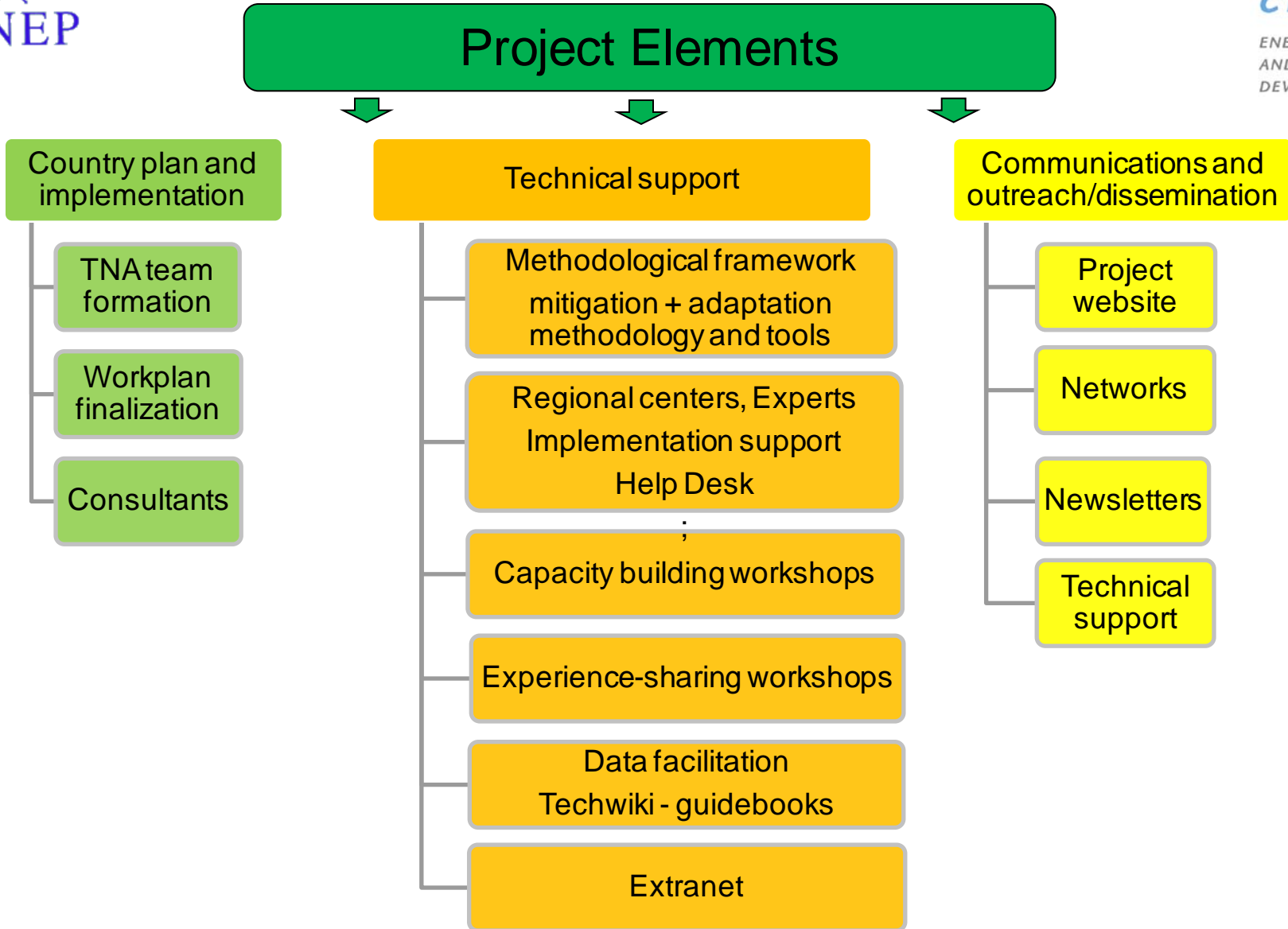
# TNA, Technology Actions Plans, NAPAs and NAMAs



# Organisational Structure







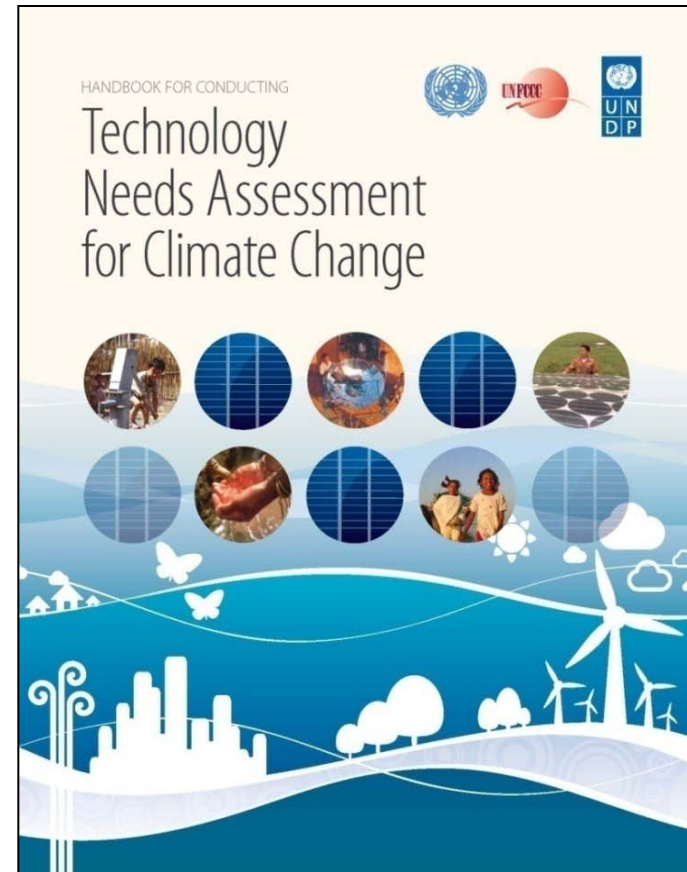
# Main sources for assistance

## 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.climatetechwiki.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

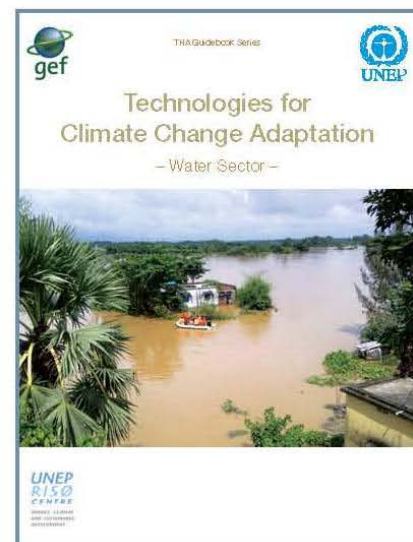
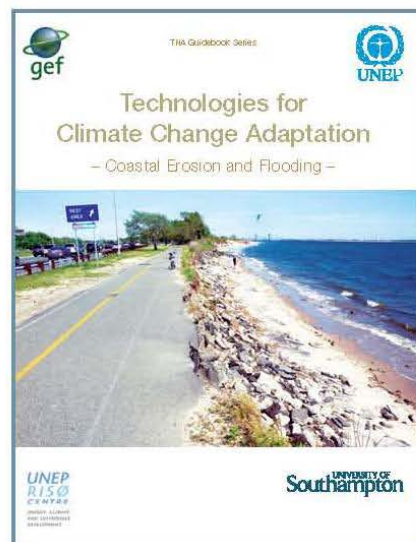
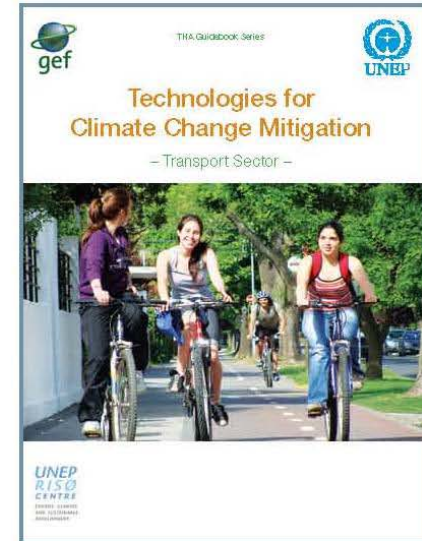
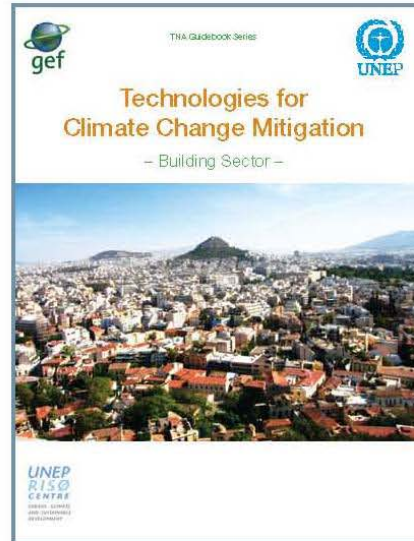
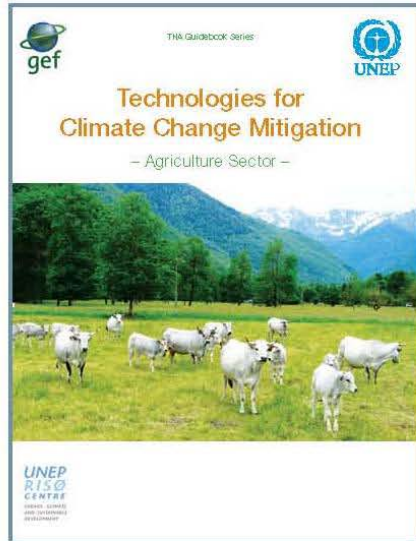
**First issue,**

**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



# 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
Year		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 !**