



**UNEP  
RISØ  
CENTRE**

*ENERGY, CLIMATE  
AND SUSTAINABLE  
DEVELOPMENT*

# Technology Needs Assessments and Related UNEP Initiatives



Hilary French  
UNEP Regional Office for North America

Washington, D.C. LEDs Workshop  
February 2-3, 2011



# TNA Project

 

- » About TNA
- » Participating countries
- » Country support
- » Events
- » Publications
- » Contact TNA team



## Welcome

The Technology Needs Assessment (TNA) Project will assist select countries world-wide in determining their technology priorities regarding mitigation of greenhouse gas emissions and adaptation to climate change.

The TNA Project is implemented by the United Nations Environment Programme (UNEP) on behalf of the United Nations Framework Convention on Climate Change (UNFCCC) and the Global Environmental Facility (GEF).

The project implementation is carried out by UNEP's Division of Technology, Industry and Economics (DTIE) and the UNEP Risoe Centre on Energy, Climate and Sustainable Development (URC).

## News

TNA Handbook Series

TNA Handbook - Coastal Erosion and Flooding

Presentaciones  
Primer Taller Regional en Latinoamérica  
Lima, 22-24 Septiembre 2010

Presentations  
First regional workshop in Asia  
Bangkok, 15-17 September 2010



Photo credits

Technology Needs Assessment (TNA) Project • Africa • Asia • Eastern Europe • Latin America & Caribbean

Contact the [webmaster](#)  
November 22, 2010

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



## First Round 15 Countries

### Latin America

- Argentina
- Costa Rica
- Guatemala
- Peru

### Africa

- Cote d'Ivoire
- Kenya
- Mali
- Morocco
- Senegal

### Asia and CIS

- Bangladesh
- Cambodia
- Indonesia
- Thailand
- Vietnam
- Georgia

# Second Round 21 Countries (starting now)

## Latin America

- Nicaragua
- El Salvador
- Dominican Republic
- Cuba
- Bolivia
- Columbia

## Africa

- Malawi
- Rwanda
- Ethiopia
- Sudan
- Mauritius
- Ghana (for adaptation only)

## Asia and CIS

- Mongolia
- Sri Lanka
- Nepal (for technical support only)
- Laos
- Bhutan
- Lebanon
- Kazakhstan
- Moldova
- Azerbaijan

## Project Elements

- **National Technology Needs Assessment** - identifying and prioritizing through country-driven participatory processes, technologies that can contribute to mitigation and adaptation goals, while ensuring national sustainable development.
- **Identification of policy, institutional, technical, financial and other barriers hindering the acquisition, deployment, and diffusion of prioritized technologies.**
- **Development of Technology Action Plans (TAP)** for key sectors specifying activities and enabling frameworks to overcome the barriers and facilitate the transfer , adoption, and diffusion of selected technologies.

## Selected Requirements for Success

- Strong institutional capacity and knowledge-base in country
- Structured and informed selection of technologies
- Sound methodology
- Broad stakeholder involvement
- Up-to-date information on technologies
- Detailed information on key parameters (e.g. economics of technologies; mitigation and adaption potential of technologies)

# FIRM

## *Facilitating Implementation and Readiness for Mitigation*

- FIRM will assist seven developing countries strengthen their national low carbon development strategies and get a “quick start” on NAMAs.
- The focus will be on reducing emissions of greenhouse gases in ways that also contribute to national development goals, such as creating jobs, enhancing energy security, and reducing the local environmental impacts of conventional energy technologies.
- FIRM will develop or enhance guidelines for NAMA criteria, MRV approaches, and tools for analyzing and prioritizing mitigation actions.
- The project will be implemented by UNEP and build directly on the GEF-funded Technology Needs Assessment Programme in the participating countries. Danish funding is €6 million, supplemented by in-kind UNEP and national resources.



## The Southeast Asia Network of Climate Change focal points

- Builds on the ozone model
- SEAN-CC plays a role of regional Climate Innovation Centre/Network in Southeast Asia
- Supports 10 ASEAN countries by facilitating knowledge generation and transfer, and by providing targeted assistance to meet their commitments under the UNFCCC
- Special emphasis on:
  - Mitigation and technology transfer; strong focus on promoting energy efficiency, low carbon development
  - Strengthening collaboration / synergies between Climate Change Officers and Energy institutions and professionals (public and private sector)
  - Partnerships with regional and national centers of excellence (e.g. ACE, AIT...)
  - Funded by the Government of Finland

# UNEP Advisory Services in Support of National Green Economy Initiatives

- Platforms for dialogue and consultation
- Macro-economic assessments
- Capacity enhancing activities
- Review and assessment of enabling policies
- Sharing international experience

## Activities in the Following Countries/Regions:

- Barbados
- China
- Egypt
- Eastern Europe (Armenia, Moldova, Ukraine)
- Indonesia
- Jordan
- Kenya
- Republic of Korea

**For further information, see:**

<http://www.unep.org/greeneconomy/>



**UNEP**  
**RISØ**  
**CENTRE**

*ENERGY, CLIMATE  
AND SUSTAINABLE  
DEVELOPMENT*

- We look forward to working with you on these initiatives.
- Thank you!