








# Climate Change Adaptation

**Maria Netto**

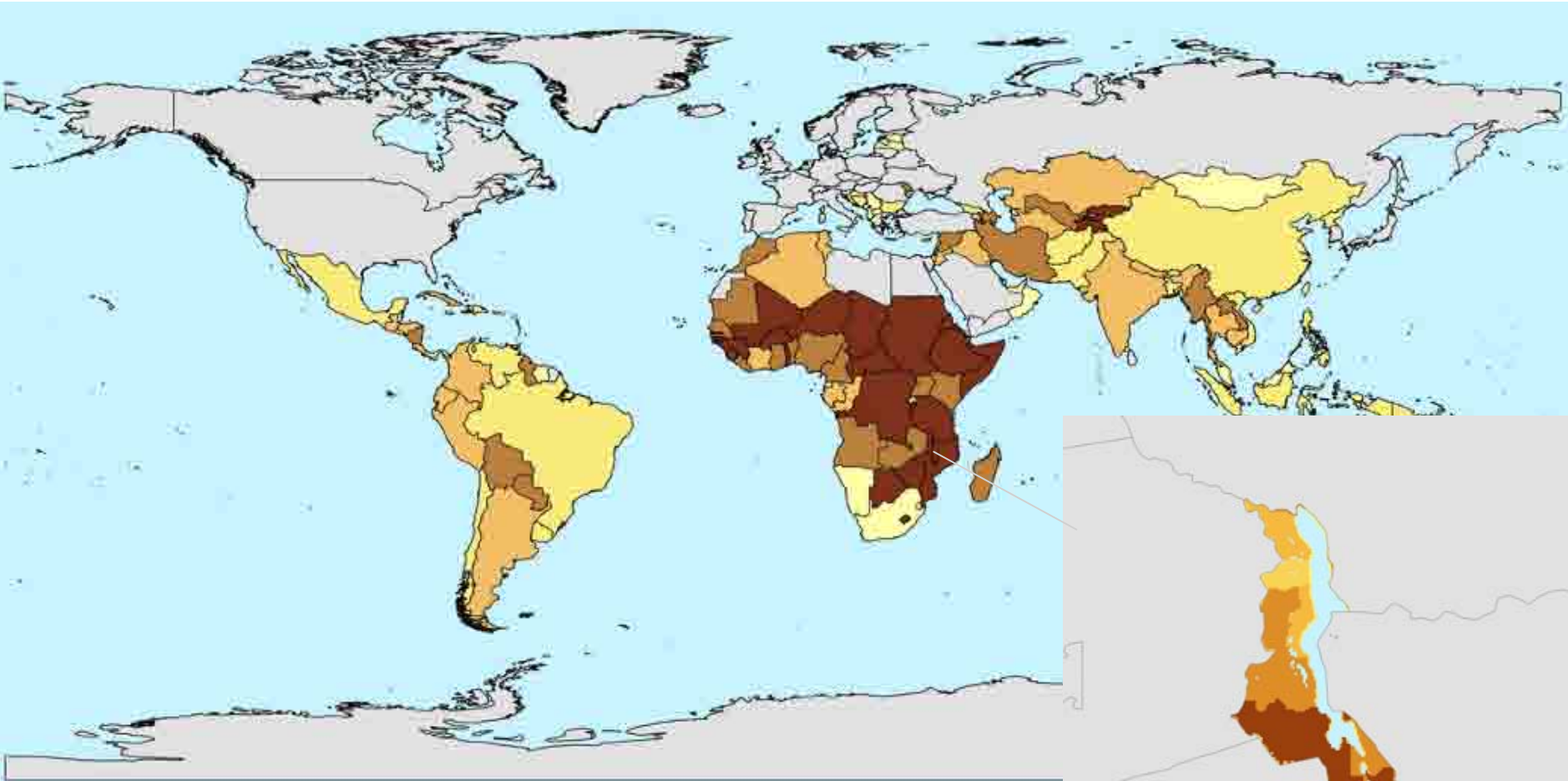
**Climate Change Policy Advisor**

**August 2008**

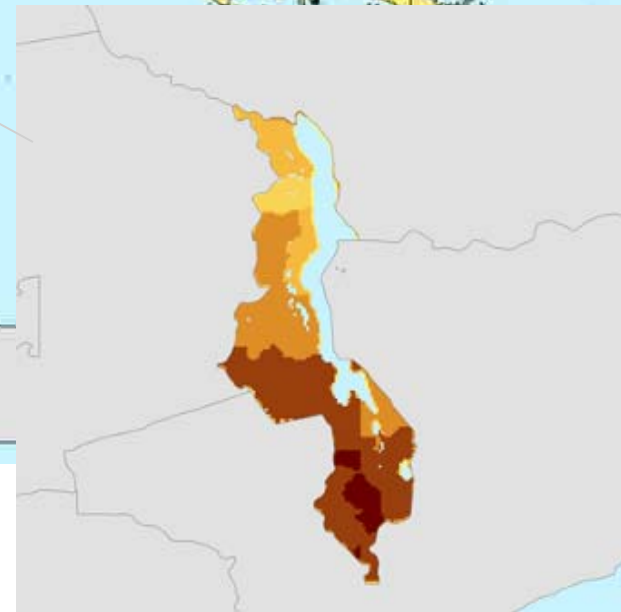
## Risks posed to MDGs by Climate Change

Millennium Development Goals	CC Risks
 <p><b>1</b> ERADICATE EXTREME POVERTY AND HUNGER</p> <p>Eradicate extreme poverty and hunger</p>	<p><b>Depleted livelihood assets</b>, reduced economic growth, and <b>undermined food security</b>.</p>
 <p><b>2</b> ACHIEVE UNIVERSAL PRIMARY EDUCATION</p> <p>Achieve universal primary education</p>	<p><b>Reduced ability of children to participate in full-time education</b> by loss of infrastructure, livelihoods (forcing children to work), and displaced families.</p>
 <p><b>3</b> PROMOTE GENDER EQUALITY AND EMPOWER WOMEN</p> <p>Promote gender equality and empower women</p>	<p><b>Additional burdens on women's health</b> and time to participate in decision-making and income-generating activities.</p>
 <p><b>4</b> <b>5</b> <b>6</b> COMBAT HIV/AIDS, MALARIA AND OTHER DISEASES</p> <p>Reduce child mortality; Improve maternal health; Combat HIV/AIDS, malaria and other diseases</p>	<p><b>Greater prevalence of vector- and water-borne diseases</b>, heat-related mortality. Declining food security, maternal health and availability of potable water.</p>
 <p><b>7</b> ENSURE ENVIRONMENTAL SUSTAINABILITY</p> <p>Ensure environmental sustainability</p>	<p><b>Negatively impacted natural resources</b> and productive ecosystems.</p>

## Poor Countries are Often the Most Vulnerable



**Economic Risk: Drought**



## UNDP's climate change strategy has four pillars

**1**

**Support the design of integrated Climate Change Policies, Strategies and Quantified Actions Plans**

**2**

**Promote early adaptation actions and long-term adaptive capacity of developing countries in a programmatic manner**

**3**

**Attract and drive direct private and public investment towards lower carbon technologies and sustainable land use practices**

**4**

**Integrate climate change into UN and UNDP development assistance at the global, regional and national levels**

## Food Security

Eritrea: Adapting livestock management to climate change in north western lowlands of Eritrea – enhance adaptive capacity of livestock production systems in the Kerkebet area

## Water

Sudan: Building resilience in the agriculture and water sectors to the adverse impacts of climate change

## Health

Kenya: Piloting climate change adaptation to protect human health

## Disaster Risk Management

Malawi: Integrating climate change and disaster risk reduction into national development efforts

## Coastal

Senegal, Gambia, Mauritania, Guinea-Bissau, Cape Verde:  
West African Shorelines – Develop effective coping mechanisms for reducing impacts of climate change-induced coastal erosion

## Financing

Gambia, Namibia, Algeria, Niger: Capacity Development projects – Assessing and developing options for addressing climate change

## Cross-Cutting

Niger, Morocco: Community-based adaptation – Enhance resiliency of communities and/or the ecosystems to climate change impacts



**Budget: US\$ 92.1 million**

**Goal:**

**Enhance capacity of African countries to implement early adaptation actions & long-term resilience plans**

**Objective:**

**15 - 20 African countries adjust national development processes to incorporate cc risks/opportunities**

# Adaptation Learning Mechanism – [www.adaptationlearning.net](http://www.adaptationlearning.net)



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SHARE KNOWLEDGE

## Help develop the ALM library

You can participate in building a comprehensive online repository of adaptation knowledge by submitting case studies and related experiences. For easy-to-use digital templates, submission instructions and further information, visit

- CASE STUDIES >
- LESSONS LEARNED >
- ALM RESOURCE SEARCH >

WELCOME

## Learning through sharing experiences

Adaptation to climate change is not a new concept, but planning for adaptation is. This project is about helping people adapt to climate change, with a focus on learning from experience. ALM is funded by the Global Environment Facility and implemented by the United Nations Development Programme, in partnership with The World Bank and the United Nations Environment Programme. [READ MORE >](#)

SEARCH BY COUNTRY

## Country adaptation profiles

Initially developed by UNDP, the country adaptation profiles contain climate-change adaptation information for over 140 developing countries. This regularly updated online database includes information ranging from key vulnerabilities to historical scientific data on climate risks, climate change and impacts projections, and links to related online resources and project Web sites.



Country profiles also allow user submissions of related documents and links. [LEARN MORE >](#)

# Country Adaptation Profiles – [www.adaptationlearning.net](http://www.adaptationlearning.net)

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## SHARE KNOWLEDGE

### Submitting materials

This page provides an opportunity to submit links and upload documents in several categories. Use the "Submit" icons below.



## Country: Bangladesh

### National Communication (NC)

#### Key Vulnerabilities

- Coastal Zones and Marine Ecosystems
- Water Resources
- Public Health

#### Potential Adaptation Measures

##### Agriculture and Food Security

- Educational & outreach activities to change management suited to climate change
- Switch to different cultivars
- Improve and conserve soils
- Enhance irrigation efficiency and/or expand irrigation
- Agricultural research and transfer of technology
- Develop new crops
- Develop early warning systems and disaster preparedness
- Improve pest and disease forecast and control

##### Water Resources

### Adaptation Initiatives

[Submit](#)

Many initiative summaries were provided by the World Resources Institute. See [Weathering the Storm](#).

#### Community-Based Adaptation

It is increasingly recognized that small communities are likely to be the most severely affected by climate change impacts and yet are least equipped to cope and adapt. [More](#)  
**UNDP-GEF, Small Grants Programme**

#### Comprehensive Disaster Management Programme: Establishing an Integrated Approach to Climate Change Risk Management at National and Local Levels

Bangladesh is a disaster prone country due to its geographic location, and climate change will enhance the country's exposure to climate-related disasters, such as floods, droughts, tropical... [More](#)  
**DFID, UNDP**

#### Coping with Climate Change

This project targets poor communities vulnerable to climate change, by (1) encouraging them to grow fast-growing or water-resistant crop varieties and to store harvest for times of crisis; (2) encoura... [More](#)  
**Oxfam Netherlands; Gana Unnayan Kendra**

#### Enhancement of Adaptive Capacity of Drought Vulnerable Community in North West Region of Bangladesh

This project has five objectives. [More](#)  
**SouthSouthNorth, CARITAS**

#### Enhancing Adaptive Capacity to Prolonged Flood and Water-Logging in a South Central Floodplain

South-Central Bangladesh is prone to extended monsoon flooding and water-logging from the ocean and the Ganges and Jamuna Rivers. [More](#)  
**SouthSouthNorth**

#### Livelihood Adaptation to Climate Variability and Change in Drought-Prone Areas: Developing Institutions and Options

The project, implemented under the Comprehensive Disaster Risk Management Programme and in close collaboration with the Ministry of Agriculture Department of Agricultural Extension (DAE), specifically... [More](#)  
**FAO and Asian Disaster Preparedness Centre**

#### Participatory Climate Risk Assessment and Development of Local Adaptation Action Plans

This project aims to develop a community-driven, participatory plan of

## Country: Bangladesh

Submit Adaptation Initiative

### Information

Title:

Summary:  
(Max 1200 characters)

Link:  
(Ex: <http://www.undp.org>)

Executing Agency:

Your e-mail:

All fields are mandatory.

**Submit**

# National Communications Support Programme – [www.ncsp.undp.org](http://www.ncsp.undp.org)

## NCSP National Communication Support Programme



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### Welcome to the National Communications Support Programme

The National Communications Support Programme (NCSP) is funded by the Global Environment Facility (GEF) and managed by UNDP and UNEP. The primary objective of the NCSP is to provide technical and policy support to Parties included in Annex I (NAI) to the United Nations Framework Convention on Climate Change (UNFCCC) for preparing (or Third) National Communications (SNCs or TNCs). The NCSP is hosted by UNDP-GEF in UNDP headquarters.

The GEF Secretariat, UNDP, UNEP, UNFCCC Secretariat, the Consultative Group of Experts on National Communications (CGE) and donor countries are represented on NCSP's Advisory Committee. Guided by the principles of country-drivenness, comprehensiveness and cost-effectiveness, the NCSP makes provisions of and delivers an integrated package of support services through the following activities:

- ◆ Undertaking technical consultations with NC teams for the development of overall and thematic implementation plans at the early stage of the NC process;
- ◆ Developing and disseminating guidance documents to assist NC teams in planning and implementing SNCs;
- ◆ Developing and managing Knowledge Networks on the key thematic areas of NCs to facilitate learning, exchange of information and sharing of good practices and lessons learned;
- ◆ Providing on-site technical backstopping to overcome technical "bottle-necks";
- ◆ Maintaining a helpdesk to provide distance technical backstopping by responding to technical queries from NC teams;
- ◆ Planning, developing, delivering and evaluating in-depth technical training workshops;
- ◆ Planning, developing, delivering and evaluating workshops on the initiation of the SNC process;
- ◆ Organizing technical review of NC drafts.

The design and planning of the NCSP's support activities are responsive to needs for assistance directly from NAI countries, guided by the Advisory Committee and informed by analysis of relevant activities undertaken by partner organizations.



# Community-based Adaptation – [www.undp-adaptation.org/project/cba](http://www.undp-adaptation.org/project/cba)



United Nations Development Programme

Community-Based Adaptation

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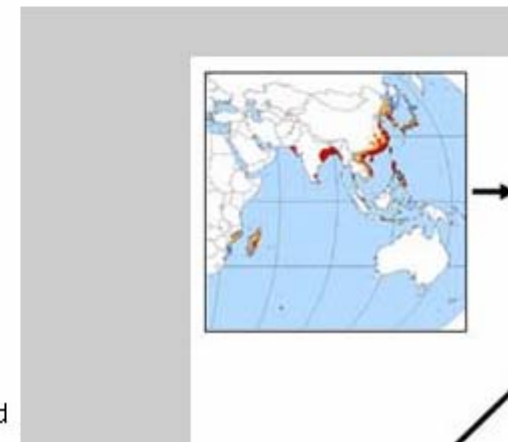
Receive updates from the CBA project

## Community-Based Adaptation

Small communities are often the most severely affected, yet the least equipped to cope with the impacts of climate change. In recognition of this, the UNDP-GEF Community-Based Adaptation (CBA) project pilots the community approach to adaptation. Priority on Adaptation, building the resilience of communities and the ecosystems upon which they rely to cope with the impacts.

### Key Features of the CBA Project:

- Implemented in ten pilot countries, representing a diversity of ecosystems, socioeconomic contexts and climate change impacts
- Each country will support a portfolio of 8-20 projects (approximately 125 projects expected globally)
- Individual projects will receive up to \$50,000 in GEF support, plus co-financing
- Projects will be community-driven and nationally strategic - aligned with country development strategies and from climate change



Thank you!

For more information, please contact:

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United Nations Development Programme

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