



# NBI Climate Change Strategy

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# Rationale



- The Nile Basin is prone to strong degree of natural variability in precipitation
- ‘Understanding major risks to water resources management in the Nile Basin’ identified as one of the four key issues (high-level consultation, March 2013)
- The region is considerably sensitive to climate effects
- Climate change will have cascading effects on agriculture, fisheries, energy, health, disasters, and freshwater ecosystems
- NBI prepares investment projects (e.g. hydropower, agriculture) that need to address CC in their planning
- NBI provides the platform for transboundary opportunities to address climate change

# NBI CC Strategy: Context



## The Nile Basin Sustainability Framework (NBSF) – (Approved by Nile COM July 2011)

### Key Strategic Direction 1:

Water-related socio-economic development

### Key Strategic Direction 2:

Water resources planning and management

### Key Strategic Direction 3:

Environmental and water-related natural resources management

### Key Strategic Direction 4:

Climate change adaptation and mitigation

# NBI's Climate Change related Activity Focus Areas



## Policy

- The Nile Basin *Sustainability Framework* (NBSF) – addressing Climate Change forms one of the 4 pillars
- NBI Climate Change *Strategy*
- *Sub-basin level guidelines* for investment projects
  - Nile Equatorial Lakes CC guidelines (focus on planning and design of water infrastructure)
  - Eastern Nile approach paper for climate proofing water resources investment projects

## Technical

- Analytic tools (Nile Basin Decision Support System)
- Monitoring of river basin processes (e.g. Evapotranspiration, enhancing basins monitoring infrastructure)

## Capacity building

- Training and awareness raising (climate change, modeling, climate finance)

# The Nile Basin Sustainability Framework



## Policies

Statements of principles and goals  
Regarding sustainability

## Strategies

Plans for operationalizing principles and  
achieving policy goals

## Guidelines

Detailed practices and procedures for performing tasks  
Necessary for attaining policy goals

# Process of Strategy development



## Scoping

- Consultations and discussions
- Comprehensive regional assessment (ENTRO)
- Multi-sector investments opportunities assessment (NELSAP-CU),
- Specific basin monographs prepared by NELSAP-CU
- Sub-Basin climate change assessment (WRPM Project)
- Review of relevant national strategies, action plans, etc
- International experts

## Formulation

- Working Meetings – NBI Task Team
- Formulation of strategy;
- Consulting relevant experts of riparian countries to ensure complementarity and consistency
- Review workshops (Nile-TAC and national thematic experts)

## Finalization

- Final review (national/regional levels)
- Review by Nile-TAC and recommendation for approval
- Approval by Nile-COM.

# Process of Strategy development – Consult relevant national policies, laws and regulations



## Burundi

National policies, laws and regulations relating explicitly to climate change

National Strategy and Action to the Climatic Changes (NAPA) (2006)  
National Adaption Plan of Action (NAPA) (2007)  
Second National Communication to the UN FCCC (2010)  
National Climate Change Strategy and Action Plan (2012)

## D.R. Congo

National policies, laws and regulations relating explicitly to climate change

National Adaption Plan of Action (NAPA) (2006)  
Second National Communication (2009)

## Egypt

National policies, laws and regulations relating explicitly to climate change

Second National Communication to the UN FCCC (2010)

## Ethiopia

National policies, laws and regulations relating explicitly to climate change

First National Communication to the UN FCCC (2001)  
Climate Change National Adaption Programme of Action (NAPA)  
Climate Change Adaption Action Plan for the Water and Energy Sector (2011)

## Kenya

National policies, laws and regulations relating explicitly to climate change

First National Communication to the UN FCCC (2001)  
Kenya Vision 2030 (2008)

## Sudan

National policies, laws and regulations relating explicitly to climate change

First National Communication to the UN FCCC (2003)

## Rwanda

National policies, laws and regulations relating explicitly to climate change

National Adaptation Programme of Action (NAPA) (2006)  
Green Growth and Climate Resilience National Strategy for Climate Change and Low Carbon Emissions (2012)

## Tanzania

National policies, laws and regulations relating explicitly to climate change

First National Communication to the UN FCCC (2003)

## South Sudan

National policies, laws and regulations relating explicitly to climate change

Environmental Protection Bill (2010)  
South Sudan Development Plan 2011-2013 (2011)

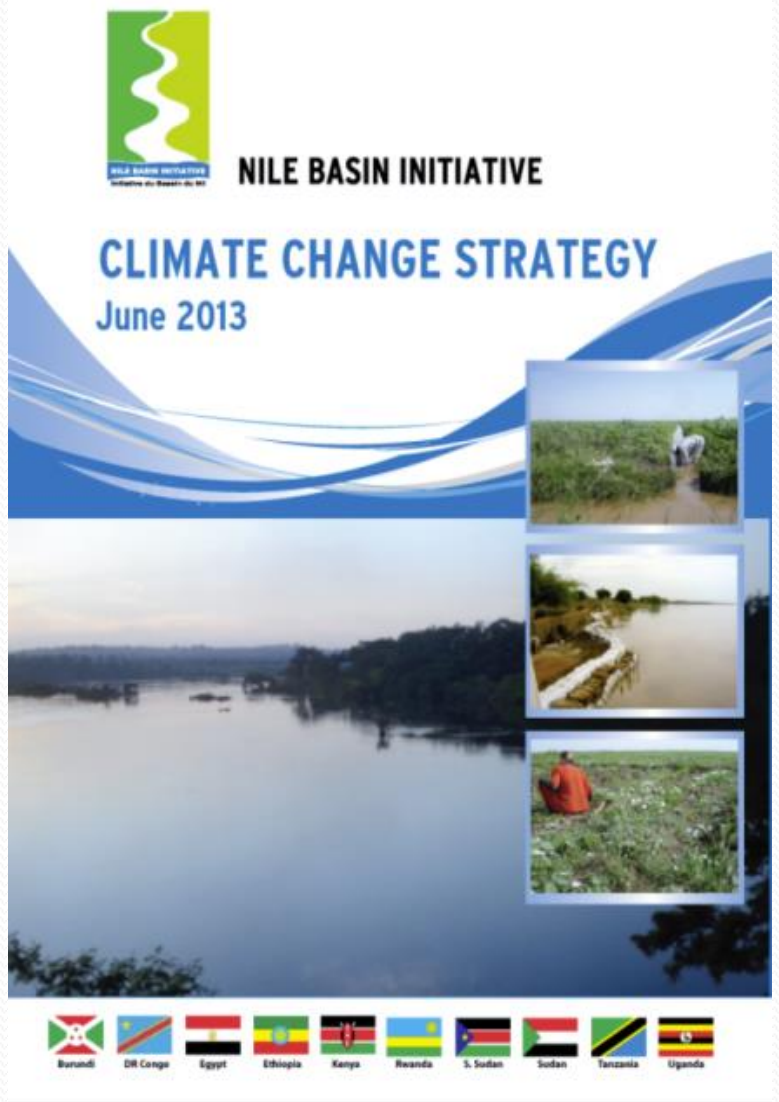
## Uganda

National policies, laws and regulations relating explicitly to climate change

First National Communication to the UN FCCC (2002)



# Goal: To strengthen basin-wide resilience to climate change and ensure climate compatible water resource management and development



- Context**
- 1. Introduction**
  - 1.1 Impacts of climate change in the Nile Basin
  - ....
  - 1.3 The NBI's approach to climate change
- 2. Challenges**
  - 2.1 Insufficient data, information and knowledge
  - ....
  - 2.3 Limited institutional arrangements and capacities
- 3. Strategy goal and objectives**
  - 3.1 Overall goal
  - 3.2 Strategic objectives
- 4. Guiding principles**
  - 4.1 Integrated approach to disaster risk reduction and adaptation
  - 4.2 Adaptation and risk reduction for socio-economic development
  - 4.3 Low carbon efforts for growth and development
  - 4.4 Scaling-up financing
- 5. Outcomes**
- 6. Priority outputs**
- 7. Implementation arrangements**



# The Nile Basin Initiative Climate Change Strategy



**To strengthen basin-wide resilience to climate change and ensure climate compatible water resource management and development**

Strengthen the knowledge base to enhance common understanding of climate change risks and its impacts on water resources, ecosystems and the socio-economy of the Nile Basin

Strengthen long-term capacities for addressing climate risks and uncertainty in the Nile Basin at national and trans-boundary levels

Support climate resilient planning and implementation addressing climate risks and uncertainty in NBI's programs

Promote scalable low carbon development through enhanced trans-boundary cooperation in areas such as protection of wetlands as well as clean energy use and development

Strengthen basin-wide climate finance access and the capacity for development of feasible projects in the Nile Basin

**Information on climate risks, impacts and vulnerability in the Nile Basin is synthesized, accessible and used by decision makers**

**Awareness for needs and benefits of basin-wide activities to address risks, impacts and vulnerability of climate change has improved**

**NBI activities complement climate change programs of national and regional institutions**

**Climate change is embedded in relevant NBI strategies and programs and capacities are enhanced to address climate risks at transboundary and national levels**

**Basin-wide adaptive management in the Nile Basin is coordinated and win-win opportunities for low carbon development are realized**

**OVERALL GOAL    STRATEGIC OBJECTIVES**

**OUTCOMES**

# The Nile Basin Initiative Climate Change Strategy



**Information on climate risks, impacts and vulnerability in the Nile Basin is synthesized, accessible and used by decision makers**

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**NBI activities complement climate change programs of national and regional institutions**

**Climate change is embedded in relevant NBI strategies and programs and capacities are enhanced to address climate risks at transboundary and national levels**

**Basin-wide adaptive management in the Nile Basin is coordinated and win-win opportunities for low carbon development are realized**

**NBI climate change service function is established**

**Information on climate risks and vulnerabilities is synthesized at a trans-boundary scale**

**A process and mechanism for consistent dissemination of information is operational**

**NBI facilitates regular cross-sectoral, multi-stakeholder dialogues on climate risks, impacts and vulnerabilities and collaborative response**

**Formal partnerships are established with strategic regional and global climate initiatives**

**NBI implements a coordination mechanism to improve basin-wide adaptive management**

**Low carbon solutions that promote improved energy access and resilience of energy supply in the region are identified and implemented**

**A trans-boundary climate finance mechanism is established**

**OUTCOMES**

**PRIORITY OUTPUTS**



## **Outcome 1: Information on climate risks, impacts and vulnerability in the Nile Basin is synthesized, accessible and used by decision makers**

- ✓ Synthesized, quality information
- ✓ Building on available national level information
- ✓ Structured communication plan and process
- ✓ Accessibility to decision makers
- ✓ Design and implementation of cooperative climate change responses



## **Outcome 2: Awareness for needs and benefits of basin-wide activities to address risks, impacts and vulnerability of climate change has improved**

- ✓ Raising awareness at appropriate levels and amongst all relevant stakeholders
- ✓ Awareness of the needs and benefits of responding to climate change
- ✓ Transboundary nature of climate change is not widely acknowledged or understood



## **Outcome 3: Climate change is embedded in relevant NBI strategies and programs and capacities are enhanced to address climate risks at transboundary and national levels**

- ✓ Relevant NBI policies, strategies and guidelines will consider the key climate risks, impacts and vulnerabilities
- ✓ Strengthen NBI as well as national capacities
- ✓ Consider the transboundary environmental and social implications of climate change and water resource management and development responses



## **Outcome 4: NBI activities complement climate change programs of national and regional institutions**

- ✓ NBI complementary role to national and regional institutions and their initiatives and activities
- ✓ Fully reflect national and regional efforts
- ✓ Add value by ensuring that the transboundary implications are well understood
- ✓ Benefits of joint planning and implementation are maximized



## **Outcome 5: Basin-wide adaptive management in the Nile Basin is coordinated and win-win opportunities for low carbon development are realized**

- ✓ Coordinated adaptive management across the basin and sub-systems
- ✓ Build resilience to climate change in the Nile Basin
- ✓ Implement a mechanism for both coordinating and strengthening adaptive management and climate response measures
- ✓ Promote scalable low carbon solutions to improve energy access and climate resilience of energy infrastructure

# Conclusion



- Adaptation to climate change is one of the four strategic directions of the Nile Basin Sustainability Framework
- NBI's approach for climate change adaptation:
  - A Climate Change Strategy to guide NBI's activities with respect to climate change adaptation
  - Sub-basin level guidelines formulated to support preparation of water resources investment projects
  - Jointly developed analytic tools (NB DSS) to support water resources planning and management, including climate change impact assessment
  - Training and awareness raising on climate change (including climate finance)
- The NBI Climate Change Strategy has been developed in consultation with riparian countries and approved by Nile-COM
- The Strategy targets 5 outcomes focusing on: *climate change information, raising awareness, mainstreaming climate change in investment planning, complementing national level activities and coordinating basin-wide adaptive management*