

**Training Workshop on IFM for the Nile Basin Countries**



**International and Transboundary Aspects of IFM**

**Flood Preparedness and Early Warning Project  
(Case Study)**

11/2009 - Nairobi



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**Overview of the presentation**

- Background NBI & the Project
- Objectives of the Project
- Components of the project
- Project Activities
- Project Undertakings



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## Background of NBI & the Project

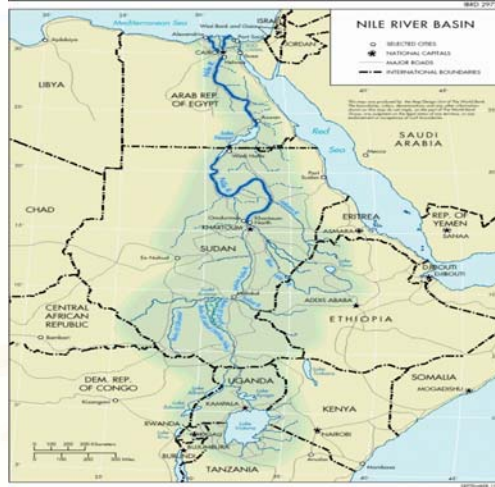


- The Nile Basin Initiative (NBI) is a partnership of the riparian states of the Nile: Burundi, Democratic Republic of Congo, Egypt, Ethiopia, Kenya, Rwanda, Sudan, Tanzania and Uganda.
- The NBI seeks to develop the river in a cooperative manner, share substantial socio-economic benefits, and promote regional peace and security.
- The NBI launched with a participatory dialogue process among the riparian that resulted in a shared vision: “to achieve sustainable socioeconomic development through the equitable utilization of, and benefit from, the common Nile basin water resources.”



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## Background of NBI & the Project



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## Background Cont'

### NBI's Strategic Action Program

The NBI's Strategic Action Program is made up of two complementary components:

- The basin-wide **Shared Vision Program**, to build confidence and capacity across the basin; The Shared Vision Program lays the foundation for unlocking the development potential of the Nile by building regional institutions, capacity, and trust. This can be realized through the investment-oriented subsidiary action programs,
- **Subsidiary action programs**, to initiate concrete investment and action on the ground at sub-basin levels and currently under preparation in the Eastern Nile and the Nile Equatorial Lakes regions.

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## Objectives of the project

The Flood Preparedness and Early Warning Project is one of the ENSAP project with the following objectives

### Higher Level Objective

- to reduce human suffering and damages from floods, and to increase the benefits from excess flood waters, in the EN countries

### Development Objective

The development objective of this project is to improve regional collaboration and national capacity in flood mitigation planning, forecasting and warning, and emergency response to floods in the Eastern Nile

# Training Workshop on IFM for the Nile Basin Countries Project Location



# Training Workshop on IFM for the Nile Basin Countries

## Components of the Project

- Regional Coordination
- Flood Preparedness and Emergency Response
- Flood Forecasting, Warning and Communication System
- Flood Mitigation

# Training Workshop on IFM for the Nile Basin Countries Project Activities

NILE BASIN INITIATIVE  
Initiative du Bassin du Nil



## Regional Coordination

1. Regional Flood Coordination Unit (RFCU)
2. Annual Flood Forums
  - 2.1 Build professional network and share knowledge.
  - 2.2 Participation in international flood forums
3. Flood Information Database
4. Information and Experience Exchange
5. Regional Analysis and Special Studies.

# Training Workshop on IFM for the Nile Basin Countries Project Activities Cont'

NILE BASIN INITIATIVE  
Initiative du Bassin du Nil



## Pilot Flood Preparedness and Emergency Response Reduced vulnerability of flood prone communities

1. Pilot Flood Risk Mapping
  - 1.1 Prepare digital flood risk maps
2. Community Flood Preparedness and Response Plans.
  - 2.1 Determine information needed by the community for effective response
  - 2.2 Facilitate development of community response plans
  - 2.3 Evaluate effectiveness of plans and process for the non-structural measures put in place (guidelines, wireless communication etc.)



## Training Workshop on IFM for the Nile Basin Countries Project Activities Cont'

### Flood Forecasting, Warning and Communication System

Detailed design of EN Flood Forecasting, Warning and Communication System

#### 1. Strengthen National Flood Forecast and Warning Systems

- 1.1 Refine flood forecast, warning and communication system requirements
- 1.2 Identify appropriate approaches, technologies and equipment
- 1.3 Procure and install for pilot communities (simple communication equipment, staff gauges, stilling wells, current meters etc.)
- 1.4 Enhance current forecasting institutions



## Training Workshop on IFM for the Nile Basin Countries Project Undertakings

- Risk Mapping for Pilot Flood Prone Areas
- Hydrological Forecasting Model
- Training and implementation of Meteorological Methods (ETA, MM5)
- Enhancement of Nile Forecast System
- Community Preparedness Activities for pilot areas
- Participation in the Annual Flood
- Capacity Building for human and Institutional