

**PROJECT INFORMATION DOCUMENT (PID)
CONCEPT STAGE**

Report No. 38184

Project Name	Eastern Nile Planning Model (ENPM)
Region	AFRICA
Sector	Gen Wat/San/Flood (50%); Info Technology (25%), Gen Pub Admin (25%)
Project ID	P103639
Borrower(s)	Eastern Nile Technical Regional Office
Implementing Agency	Eastern Nile Technical Regional Office
Environment Category	<input type="checkbox"/> A <input type="checkbox"/> B <input checked="" type="checkbox"/> C <input type="checkbox"/> FI <input type="checkbox"/> TBD (to be determined)
Date PID Prepared	November 27, 2006
Estimated Date of Appraisal Authorization	January 17, 2007
Estimated Date of Board Approval	N.A.

1. Key development issues and rationale for Bank involvement

Key Development Issues:

The Eastern Nile is home to some of the poorest people in the world. The Basin faces *risks* of continued unilateral development, as well as presents transformational *opportunities* for economic growth and poverty alleviation. However, the effective management of risks as well as the unlocking of its tremendous development potential requires regional cooperation across the countries of the Eastern Nile.

An essential element for such cooperation is the development of a shared *knowledge base* and appropriate *analytical tools*, used effectively to *support decision making* among multiple stakeholders. Currently, the knowledge base is fragmented and inconsistent, sharing of information is minimal, and there is a lack of shared, modern, flexible analytical tools to envision various development scenarios and analyze their implications from economic, environmental and social viewpoints. There are also no strong stakeholder forums to systematically use this information and analysis to support decisions related to investments on the Eastern Nile. This status quo is a major impediment to building consensus on cooperative investments in the basin and deciding where further studies are required.

Rationale for Bank Involvement:

Since 1998, the World Bank has engaged intensively with the ten countries of the Nile Basin under the Nile Basin Initiative (NBI) to promote cooperative development and management of the Nile. The aim has been to convert a resource that has often been a source of conflict and sorrow to one that is a catalyst for regional growth, cooperation, integration and poverty alleviation. An offshoot of this program is the Eastern Nile Subsidiary Action Program (ENSAP) that includes the countries of Egypt, Ethiopia, and Sudan¹ to initiate cooperative action

¹ Eritrea is currently an Observer to the process and may join the process formally at a later date.

(through studies, “fast-track” projects and a longer-term Joint Multipurpose Program or JMP). One of the “fast-track” projects identified as part of the original ENSAP investment portfolio to be critical to such cooperation is the proposed Eastern Nile Planning Model (ENPM) Project. The ENPM has been prepared within the context of the JMP (the process for which is being led by the Bank at the request of the Eastern Nile Council of Ministers) to provide the analytical underpinnings to support investment planning. The countries have already initiated some cooperative knowledge activities (e.g. a shared “One-System Inventory” of water, environment and socio-economic aspects of the Eastern Nile) that would be enhanced by the ENPM.

The proposed project will be in line with the objectives of the NBI and the work of the World Bank. This activity would also help support the objectives of the CAS/interim Strategies/Country Water Resources Assistance Strategies of the EN countries and provide a framework to analyze and prepare future cooperative investments (e.g. hydropower, irrigation, storage, watershed management, etc.) in the Eastern Nile. It will also help the Bank to tap its expertise in international river basins and in such knowledge-driven decision-support processes to assist the EN countries in realizing a higher level of cooperation. Experience in other international river basins has also indicated the need to strengthen the collation, organization, analysis, dissemination, and use of basin information to help build a shared vision awareness of key evolving issues in the Basin, and to better inform future cooperative investments.

The ENPM is intended to provide a knowledge platform for cooperation discussions on the Eastern Nile, make the best use of the available information and be adaptable for future needs.

2. Proposed objective(s)

*The **development objective** of ENPM is to develop and implement an EN planning modeling system to assist in identifying, evaluating, and prioritizing potential projects as part of the investment planning process for the sustainable development and management of Eastern Nile waters. This is expected to strengthen the capacity of the EN riparians of Ethiopia, Sudan, and Egypt to help plan investments in a systematic manner.*

The key outcomes include a comprehensive knowledge base on the Eastern Nile, a suite of modeling tools to assist investment decisions, structured stakeholder forums, and improved capacity of associated regional and national institutions. A detailed framework for results monitoring is being developed to ensure that the impacts of this project on-the-ground are monitored effectively.

3. Preliminary description

The ENPM Project contains three major components:

- (i) **Knowledge Base Development:** The Knowledge base developed will provide a shared, synoptic view of the Eastern Nile basins, including its opportunities and risks as viewed from an economic, environmental and social perspective. Baseline data would be organized systematically in a GIS platform with an associated web portal.

- (ii) **Modeling System:** The ENPM modeling system will include a suite of simulation, optimization and multi-criteria analytical tools. The models will help analyze the economic, environmental and social aspects of proposed investments in a water resources systems framework and to evaluate alternative scenarios of the future. The tools developed will draw upon and contribute to the Knowledge Base developed and will be flexible to adapt to changing needs.
- (iii) **Institutional and Human Capacity Building:** The ENPM will support a structured stakeholder process to ensure that the systems developed are driven by multi-sectoral stakeholder demand and appropriate to support decision-making. It is expected that the proposed ENPM and associated training would strengthen ENTRO as a strong knowledge-driven regional institution, as well as improve the capacity of national institutions, reducing the current disparity in national capacity for such activities. Networking with academia and other international river basins will also be pursued to improve cross-fertilization of ideas and sustainability.

The three components above would be phased to ensure adequate stakeholder input into the design of the knowledge base and models as well as to ensure that these, in turn, help support investment decisions (on water infrastructure such as storage, hydropower, irrigation, etc. as well as catchment management and environmental protection). The project would be implemented by ENTRO, which would have a Regional ENPM office, supported by National ENPM offices with experts deputed from the EN countries. The project would be supported technically by a competitively-recruited international ENPM Consultant.

4. Choice of Instrument.

The project has been designated as a Recipient-Executed Trust Fund Project. This is because it is financed from a multi-donor Nile Basin Trust Fund (NBTF) Grant (with the French and Netherlands expected to be major contributors for this activity through the NBTF). This instrument (using the new Recipient-Executed Activity Code) will also allow for Bank Management oversight of such an activity.

5 Safeguard policies that might apply:

Safeguard Policies Triggered <i>(please explain why)</i>	Yes	No	TBD
Environmental Assessment (OP/BP 4.01)	x		
This recipient-executed trust fund project is not expected to have any adverse environmental or social impacts; in fact, the aim of the project is to build local and regional knowledge, stakeholder processes, and institutional capacity to better handle environmental and social issues in water resources planning. The project has thus been categorized as Category C.			
Natural Habitats (OP/BP 4.04)		x	
Forests (OP/BP 4.36)		x	
Pest Management (OP 4.09)		x	

Safeguard Policies Triggered (<i>please explain why</i>)	Yes	No	TBD
Physical Cultural Resources (OP/BP 4.11)		x	
Indigenous Peoples (OP/BP 4.10)		x	
Involuntary Resettlement (OP/BP 4.12)		x	
Safety of Dams (OP/BP 4.37)		x	
Projects on International Waterways (OP/BP 7.50)		x	
Projects in Disputed Areas (OP/BP 7.60)		x	

Note: The activities proposed under the project do not require the OP 7.50 on International Waters to be triggered. No activities to adversely impact the quantity or quality of water in the Basin are proposed nor are any feasibility studies proposed.

6. Tentative financing

Source:	(\$m.)
NILE BASIN TRUST FUND	6.0
BORROWER/RECIPIENT	0.6
BILATERALS	-
INTERNATIONAL DEVELOPMENT ASSOCIATION	-
Total	6.6

4. Contact point

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