



# INTERNATIONAL WATERS RESULTS NOTES

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## Mekong Water Utilization Project

GEFID#:615, [[GEF Agency Project ID#]]: P045864, Project Status: [Completed]



1. Development of a transboundary hydrological model which is able to assess the impacts of the infrastructure (e.g., hydropower stations) in any of the tributaries of the Mekong River on the hydrology of the Mekong River. The model has been adopted by the Mekong River Commission (MRC) and become a basis for the MRC and the four member countries (Lao PDR, Cambodia, Thailand and Vietnam) to coordinate water resources development.

2. Adoption of protocols for information exchange, water use monitoring, and preliminary notification/consultation process. The procedures developed under the project have been adopted by the four MRC member countries. These procedures are now fully utilized in case for the first mainstream dam proposed by Lao PDR.

3. Adoption of instream environmental flow rules. The procedures developed under the project has been adopted by the four MRC member countries and contribute greatly to sensitize the importance of environmental flow in these countries. In Lao PDR and Vietnam, the concept of the environmental flow would be integrated to their respective water laws which are under revisions.

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## PROJECT OBJECTIVE

The project's broad development objectives are to assist MRC to establish mechanisms to promote and improve coordinated and sustainable water resources management in the Mekong Basin, including reasonable and equitable water utilization by the MRC countries and protection of the environment, aquatic life and the ecological balance of the basin. This objective would be achieved through preparation of "Rules" for water utilization and procedures for information exchange, notification and consultation. The project would assist in the formulation and implementation of the "Rules" by facilitating consultations among the MRC member states and helping the MRC develop a Basin Simulation Model Package and Knowledge base. The project would promote protection of sensitive ecological systems including wetlands, flooded forests and estuary system that support globally significant biodiversity.

## RESULTS: PROCESS

### INDICATOR#1

Development of a functional, integrated basin modeling package. **Fully Achieved.**(refer to result#1 above)

### INDICATOR#2

Development, installation and testing of functional and integrated knowledge base and information systems on water and related resources, with a communication system linking the four countries with the MRC Secretariat: **Fully Achieved.**

### INDICATOR#3

Adoption of protocols for information exchange, water use monitoring and preliminary notification/consultation process: **Fully Achieved** (refer to result#2 above)

### INDICATOR#4

Adoption of environmental flow "rules". **Fully Achieved** (refer to result#3 above). The project contributed to the elaboration of the draft rules which were formally adopted in 2010 after completion of the project.

## RESULTS: STRESS REDUCTION

### INDICATOR#1

Describe in one sentence the results in this area. Please quantify the results whenever possible.

### INDICATOR#2

Describe in one sentence the results in this area. Please quantify the results whenever possible.

## RESULTS: WATER RESOURCE AND ENVIRONMENTAL STATUS

### INDICATOR#1

Describe in one sentence the results in this area. Please quantify the results whenever possible.

### INDICATOR#2

Describe in one sentence the results in this area. Please quantify the results whenever possible.

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