Thailand: Implementing water resources management strategies in Mekong sub-basins

4th BDP Forum on the Mekong Basin Development Strategy
Moving towards optimal development of the Mekong River Basin
20-22 November 2014, Siem Reap, Cambodia
Transboundary Project between Thailand and Lao PDR on Wetland and Floodplain Management operation Namkam – Xebanghieng

Mekong – Integrated Water Resources Management Project: M-IWRM
Key Issue

- Wetland management
- Fishery management
- Flood management
- Sustainable irrigation development
“Enhance transboundary cooperation between Lao PDR and Thailand to improve river basin management through strengthened capacity of the RBC and working groups, effectively use of knowledge and IWRM tools, sharing information, application of MRC procedures and transboundary project implementation and management.”
**Outcome 1**
Strengthened capacity of RBCs and working groups to apply of IWRM principles and prepare IWRM-based river basin management plans

**Outcome 2**
Effective use of knowledge and IWRM tools to support river basin planning and management

**Outcome 3**
Strengthened transboundary cooperation and effective transboundary project implementation
## Outcome 1

**Strengthened capacity of RBCs and working groups to apply of IWRM principles and prepare IWRM-based river basin management plans**

<table>
<thead>
<tr>
<th>Output 1.1</th>
<th>RBCs and working groups established</th>
</tr>
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<tbody>
<tr>
<td>Output 1.2</td>
<td>Capacity needs identified and capacity built</td>
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<tr>
<td>Output 1.3</td>
<td>Enhancement of river basin networks and knowledge transferred to sub-basin level</td>
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<td>Output 1.4</td>
<td>IWRM-based river basin management plans and action plans focused on integrated wetland and flood management and sustainable irrigation development</td>
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## Outcome 2
Effective use of knowledge and IWRM tools to support river basin planning and management

<table>
<thead>
<tr>
<th>Output 2.1</th>
<th>Databases and base maps of the river basin</th>
</tr>
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<tbody>
<tr>
<td>Output 2.2</td>
<td>State and trends of the river basins</td>
</tr>
<tr>
<td>Output 2.3</td>
<td>Demonstration and application of relevant IWRM tools to support river basin planning and management</td>
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## Outcome 3

Strengthened transboundary cooperation and effective transboundary project implementation

<table>
<thead>
<tr>
<th>Output 3.1</th>
<th>Project implementation and management structures established</th>
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<tbody>
<tr>
<td>Output 3.2</td>
<td>Data and information shared, experiences and lessons exchanged and MRC Procedure applied</td>
</tr>
<tr>
<td>Output 3.3</td>
<td>Effective transboundary project implementation and management</td>
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</table>
Transboundary cooperation

- Share data and information
- Exchange experiences and lesson
- Joint learning and apply MRC Procedures
- Transboundary coordination and management
- TNMC will be the national focal point for all the activities to be carried out in Thailand in close cooperation with key agencies and local communities through the local working groups.

- TNMC and LNMC will work closely with MRCS to ensure effective planning, coordination, including facilitating information exchange and study visits.
2014 Work Plan and Progress
(as of 21/11/2014)

During this commencement year of the project, the focus has been placed on completing

- **Output 1.1**: River Basin Committees/River Basin Platforms and Working Groups established

**The progresses so far:**
- 16 Workshops/Meetings were organized.
- Nam Kam Working Group was established
- 15 Pilot Areas were identified, and
- 12 Sub-District Water Management Committees were founded.
<table>
<thead>
<tr>
<th>Year 2014 Outputs</th>
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<tbody>
<tr>
<td>Nam Kam Working Group Structure</td>
</tr>
<tr>
<td>1. Water Resources Regional Office 3, Department of Water Resources</td>
</tr>
<tr>
<td>2. Relevant government agencies</td>
</tr>
<tr>
<td>3. Local educational institutions</td>
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<tr>
<td>4. Local administrative organizations</td>
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<td>5. Community organizations in the basin</td>
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<tr>
<td>6. Stakeholders</td>
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</table>
Nam Kam Basin Boundary Map

- Touy Creek (ห้วยทวย)
- 8th Part of Mekong (แม่น้ำโขงส่วนที่ 8)
- Nam Phung Dam (เขื่อนน้ำพุง)
- Nakhon Phanom
- Nam Un Dam (เขื่อนน้ำอูน)
- 9th Part of Mekong (แม่น้ำโขงส่วนที่ 9)
- Bang Sai Creek (ห้วยบางทราย)
การพัฒนาระบบชลประทานในลุ่มน้ำก์
Physical Characteristics of 15 Pilot Areas

1. Rainfed and drought area
2. Flood risk area
3. Intensive irrigated area
4. Partial irrigated area
5. Adjacent or within wetlands
6. Catchment area or foothill area
7. Urban area
8. Multi-geographical area
Sub-District River Basin Development Plan

Step 1
Data analysis of sub-basins, and review of plans and policies of relevant participants in each country.

Step 2
Scenario analysis for future development

Step 3
Preparation of Development Strategy

Step 4
Arranging and compiling potential projects that are in accordance with the strategy

Step 5
Project selection

Step 6
Support
Follow Up
Evaluate
Update data

Step 7
To promote and implement the project

Participation
Knowledge
Capacity building

Monitoring and reporting progress of integrated water resources development plan in Mekong basin.
By the end of 2014, we expect to complete establishing the rest three sub-district water management committees, and organize the following workshops:

- NKWG Workshop at Thard Phanom District,
- TBWG Workshops for National consultation workshop on progress of the project implementation, Joint Transboundary Reflection Workshop, and Joint Transboundary Project Evaluation, and Analyze lessons learnt.
Irrigation

Project Areas
Wetland and Floodplain

THANK YOU