

# Demonstration Project

## on strengthening data collection for Sebangfai River, Lao PDR

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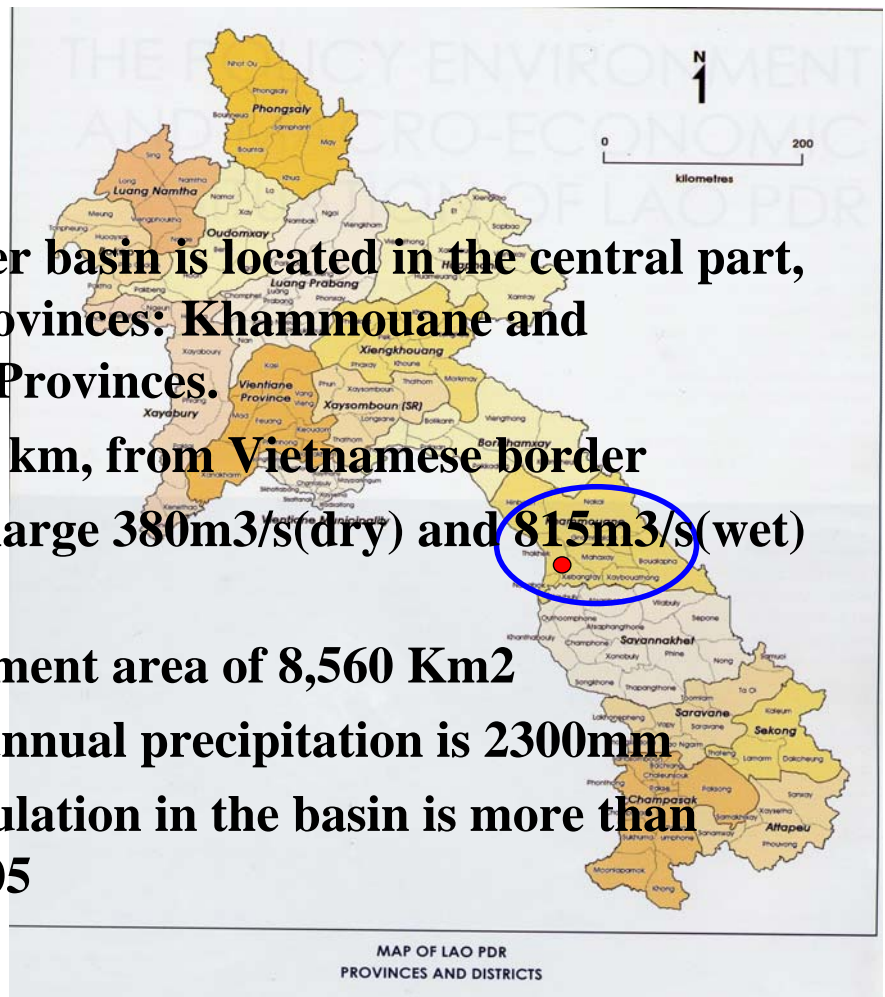
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# OVERVIEW

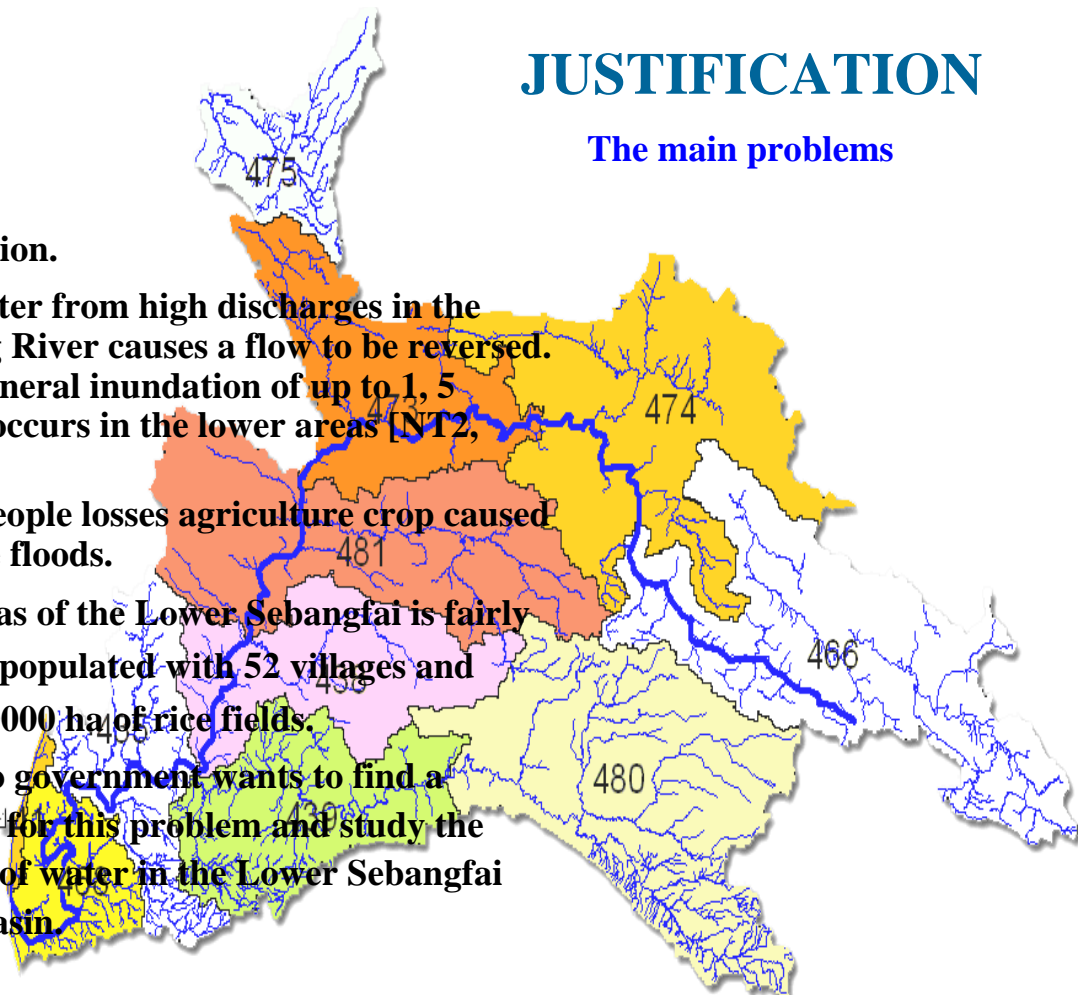
- Sebangfai river basin is located in the central part, covers two provinces: **Khammouane and Savannakhet Provinces.**
- Length of 190 km, from **Vietnamese border**
- Average discharge **380m<sup>3</sup>/s(dry)** and **815m<sup>3</sup>/s(wet)** season
- With a Catchment area of **8,560 Km<sup>2</sup>**
- The average annual precipitation is **2300mm**
- The total population in the basin is more than **200.000** in 2005



# JUSTIFICATION

## The main problems

- Inundation.**
- Backwater from high discharges in the Mekong River causes a flow to be reversed. Then general inundation of up to 1, 5 meters occurs in the lower areas [NT2, 2004].**
- Local people losses agriculture crop caused by these floods.**
- The areas of the Lower Sebangfai is fairly densely populated with 52 villages and more 40000 ha of rice fields.**
- The Lao government wants to find a solution for this problem and study the surplus of water in the Lower Sebangfai River basin.**



# OBJECTIVES

- ❑ **Local Authorities will involve cooperating and integrating in water resources management and with sustainable water resources development. Especially to mitigate/minimize impact from flood.**
- ❑ **Improve national agencies and local people use information technology as well as access to necessary meteorological and related data and information.**
- ❑ **To strengthen capacity in using data at the national level, to improve access to weather and other environmental information, as well as research and development community make their 'good works to do a good job with sustainable' available to improve local livelihoods.**
- ❑ **To exchange and shearing near real time and real time data information with WMO standard between local and regional as well as international level.**

## Timeline: 2007-2010

- **Phase 1- Establish local team implementation for data collection**
  - **Developing information system and promoting the implementation of IWRM for communities levels (early warning system needed)**
- **Phase 2- Identify work plan and send to UT Team for consideration and comments how to achieve the objectives goal of DP in AWCI.**
- **Phase 3- Site visit and survey of capabilities for data collection**
  - **To make a bridge between central and local information based on how to send the information to local people knowing the situation weather during rainy/flood season.**
- **Phase 4- Need specific training for improving staff skills and knowledge**
- **Phase 5- To install appropriate new station for water level and precipitation stations in some areas for achieving activities of data**
- **Phase 6- Expanding to other areas**

# Partners

- **Lao National Mekong Committee (coordination agency)**
- **Department of Meteorological and Hydrology (DMH) and Water Way Administration Division (WAD), (data collection and implementation agency)**
- **National Disaster Management Office (communication agency)**



## Outputs and Activities of Demonstration Project

**4 outputs and 25 activities:**

**Output 1: 12 activities**

**Output 2: 04 activities**

**Output 3: 06 activities**

**Output 4: 03 activities**



## **Output1:**

**Local people have involved integrating water resources management for mitigation and minimize damage from flood season**

### **Activities:**

- 1.1 Establish team implementation**
- 1.2 Introductory objectives of AWCI to all levels concerned**
- 1.3 Details work plan**
- 1.4 Developing/promoting existing data Information system**
- 1.5 Site field visit**
- 1.6 Install flood staff gauge for communities**
- 1.7 Install appropriate stations**
- 1.8 Network improving between center and local communities**
- 1.9 Provide some equipment to local communities for early warning system**
- 1.10 Install wood board for communities**
- 1.11 Provide information on weather and flood forecasts basis through the National Radio Center and TV.**
- 1.12 To select the pilot project areas**

## **Output 2:**

**Data information has improved in national level how the people use that information into his/her daily job.**

### **Activities:**

- 2.1 Identify existing data Information to mach with Standardize**
- 2.2 Dissemination data information to line agencies and data sharing with AWCI**
- 2.3 To aware the line agencies and local communities about the weather and flood forecast information**
- 2.4 Improving information system into local communities**



### **Output 3:**

**Make and build capacity with develop people have a good works to do a good jobs in the near future**

#### **Activities:**

- 3.1 Improving access to weather information to all levels concerned**
- 3.2 Training with technicians fully trained and capable of installing and maintaining equipment.**
- 3.3 On the job training, at local communities on the FM Radio, HF Radio receiving**
- 3.4 Provide some tools and office equipments**
- 3.5 Conduct local consultation meeting with line agencies concerned**
- 3.6 Specific training on satellite forecasting and watershed management**

### **Output 4:**

**System of coordination and cooperation between national and regional as well as global cooperation will be increased step by step**

#### **Activities:**

- 4.1 Improving coordination system in all levels Through internet and with other appropriate network**
- 4.2 Access satellite by cooperation with WMO and other organizations**
- 4.3 Lesson learning from global organization into local "by learn to do and do to learn"**





Thank you