

In this project, My mission is following 3 topic:

- a) 1-4-1 *To develop a quasi real time monitoring system at Mae Waang basin, Wang Thong basin, and Sakae Krang basin*
- b) 2-5-1 *To install test server and develop necessary tools and user interface on test server.*
- c) 3-4 *To develop a system of estimating quasi-real-time risk indices for adaptation measures to water-related disasters under climate change.*

1. Final Goal

- a) Collecting observation data from Telemetry system automatically, and archiving these data on quasi real time.
- b) Development of the system to archive observation/model-output data in DB and to provide these data to users with user-friendly interface.
- c) Development of the system where model application can run and generate the results on quasi-real time using observation data.

2. Methodology

- a) After telemetry system working, we check the method to collect data and decide the policy (method, time interval, etc.).
 - Install and develop tools for processing this phase
 - Start to run the server and check the stability.
- b) After observation and model-output data is prepared, we check the format of input data and the requirement of users (data-format, search method etc..)
 - We examine the schema of DB which is suitable for these requirements.
 - Design and develop of DB and Interface
 - Decide the policy of this system
 - Start test system and check the stability, usability
 - Start to run stable system
- c) After a) system running and preparing applications, we install application to server and check.
 - We examine output format (interface) and develop them.
 - Start to run stable system.

3. Present Status

- a) Hardware for this system is now installing?
- b) Waiting for the start of data crawling.

c) Waiting for data and application

4. Plan (including (a)(b)(c))

On 2010 April, Test Server will start. First, we should prepare basic environment to receive and archive data. If we can know some more information about telemetry system and data format, we can start to develop more further function. If telemetry system works well on the first half of 2010, we can run proto-type version of data crawling system at the end of 2010. We also want to start to discuss about the system (b) specification – especially user requirement. For Thai side, I am expecting following points: (1) To prepare telemetry system and provide the information about protocol and data format.(2) To discuss with Japan Side researchers about the requirement of this server system (3)To discuss about the plan to run this system = running policy, security policy etc...