

# Conclusion Report

## “Road Map Toward Effective Flood Hazard Mapping in Thailand”

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## **Organization:**

REGIONAL IRRIGATION OFFICE 16

## **Introduction**

The Regional Irrigation Office 16 is one of the sixteen regional Irrigation offices, established under the Royal Irrigation Department.

## **Location**

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## **Responsible Area**



RIO 16 is responsible for 6 provinces in Southern Region, namely Songkhla, Phatthalung, Satun, Pattani and Narathiwat Provinces. Its jurisdiction covers approximately 19,122,793 rai (3,059,646.8 ha.)

It was my wonderful time in joining a “Flood Hazard Mapping” training course. All subjects are impressive especially procedure for flood hazard mapping.

During the training, I learned about how to make flood hazard map which focused not only on how to construct flood control facilities but also how to develop the inhabitants’ awareness of disaster prevention. By during these, the flood damage can be reduced. Another interesting subject is Flood – runoff analysis”. This subject is very useful because previously what I only know is the formula or unit hydrograph, which I use to calculate the peak discharge to design irrigation structure such as storage Dam, Weir and Drainage System.

By learning “Flood – Runoff Analysis” the lecturer teach me the storage function method which is new for me but very useful in designing peak discharge of river basin in Thailand. Besides thank you very much for a copy of computer program.

My organization plans to do several projects to mitigate flood disaster by implementing both structural and non-structural measures.

- Structural Measures.

My organization has completed storage dams, dikes and spillways project. However, they plan to construct many facilities to prevent and relieve flood disaster in a very soon future.

- Non-Structural Measures.

It seems that my organization slow down for Non-structural Measures. Currently, we are establishing as automatic monitoring station. We develop the “flood coordination center” which is programmed the work during the month of Aug-Dec. By doing this, we can collect and analyze data of rainfall, runoff, climate, and upstream water level. Then the data

will be translated and notify to Municipality for the flood situation. However, Municipality is lacking of experience about evacuation. They do not know how to notify people properly and the evacuation plan still not is in place yet. The method of flood hazard mapping that I have learnt will be very useful in evacuation plan developing for Municipality in Thailand.

Besides, there are some other activities that I want to do after I come back to Thailand

1. Short term Plan

Develop conclusion report which explains on how flood hazard mapping contribute to my organization

2. Middle term Plan

Establish flood hazard map to support my organization

3. Long term Plan

Utilize and identify how flood hazard map can be used effectively especially for the Municipality

Compare to Thailand, Japan already has the advance technology and effective system in dealing with flood disaster so there is no suggestion in improvement of your existing flood Management System. The only comment that I have is the duration of the flood hazard mapping training is too short and finishing at 5.30 p.m. is quite late so I do not have spare time to reviews other documents.

In conclusion, I am very please and enjoy spending a time in learning “Flood Hazard Mapping” course. Moreover, the lecture is cheerful. I have learned a lot of new knowledge that surely will benefit to my work and my country. Thank you very much again.