

Roadmap Toward Effective Flood Hazard Mapping in China

Name :**Yumei Deng**

Name of our organization: The Office of State Flood Control and Drought Relief Headquarters P.R.C

Address: No2, Lane 2, Baiguang Road, Xuanwu District, Beijing 100053, China

Email: ymdeng@mwr.gov.cn

1. Characteristics of Flood Control In China

China locates in the southeastern part of the Asia-Europe Continent. Large part of China locates in the famous monsoon climate zone of the world. The Chinese mainland consists of seven major rivers. The territory of 700,000square kilometers and farmland of 33million hectares in the middle and lower reaches of the seven major

rivers and along those rivers in coastal areas are threatened by the flooding.

Flood disaster occurred once in every 2 years before 1949. Averagely, 3700 people died, 2.5 million cottages collapsed each year after 1949.

The Government has paid high attention to the flood control and disaster reduction. The dikes of 0.26 million km and 85000 Reservoirs, and 98 Flood Diversion Areas have been Constructed.

However, With economical development and population increase, the flood control standard still can not meet the requirements of the development of the society and the national economy.

2.Flood Hazard maps in China

Flood hazard mapping have commenced in recent years in China. Almost the city all have did the flood hazard maps. The technique standard of production of flood hazard mapping have been made.

3. Challenge and problem

land scrambling has been aggravated between human being and

water. A part of the river reaches have withered, lakes have been getting perished, natural flood storage and flood discharging capacity have decreased, which cause the flood control structures at lower standard bear more and more pressure in flood control. The Challenge and problem are as follows:

- Lower flood control standard, many sick and risk flood control structures, no higher capacity of disaster fighting
- Land scrambling between human being and water cause the ecotype environment steadily deteriorated
- Forecasting, warning and flood control schemes are not perfected
- No strong consciousness of flood control and enough preparation for flood control and disaster reduction in some regions
-

4. The suggestion

I think all of the curriculums are very important. All contents are very well. The field thrive course is most impressive to me. So I suggestion there are more field thrive in training course in the future.

The Japanese Government has mad many things in flood control,

and the main flood control measures have been established, In particular, the flood hazard mapping play an important role in fighting flood and waterlog disasters. But there are still some problems in flood control, so I suggest do more detailed evacuation planning in some area and put the Hazard mapping in the internet.

After going back to China, I will Immediately Introduce the Hazard mapping in Japan to our leader and Colleague , And absorb the Japanese advanced experience in production our Hazard mapping.