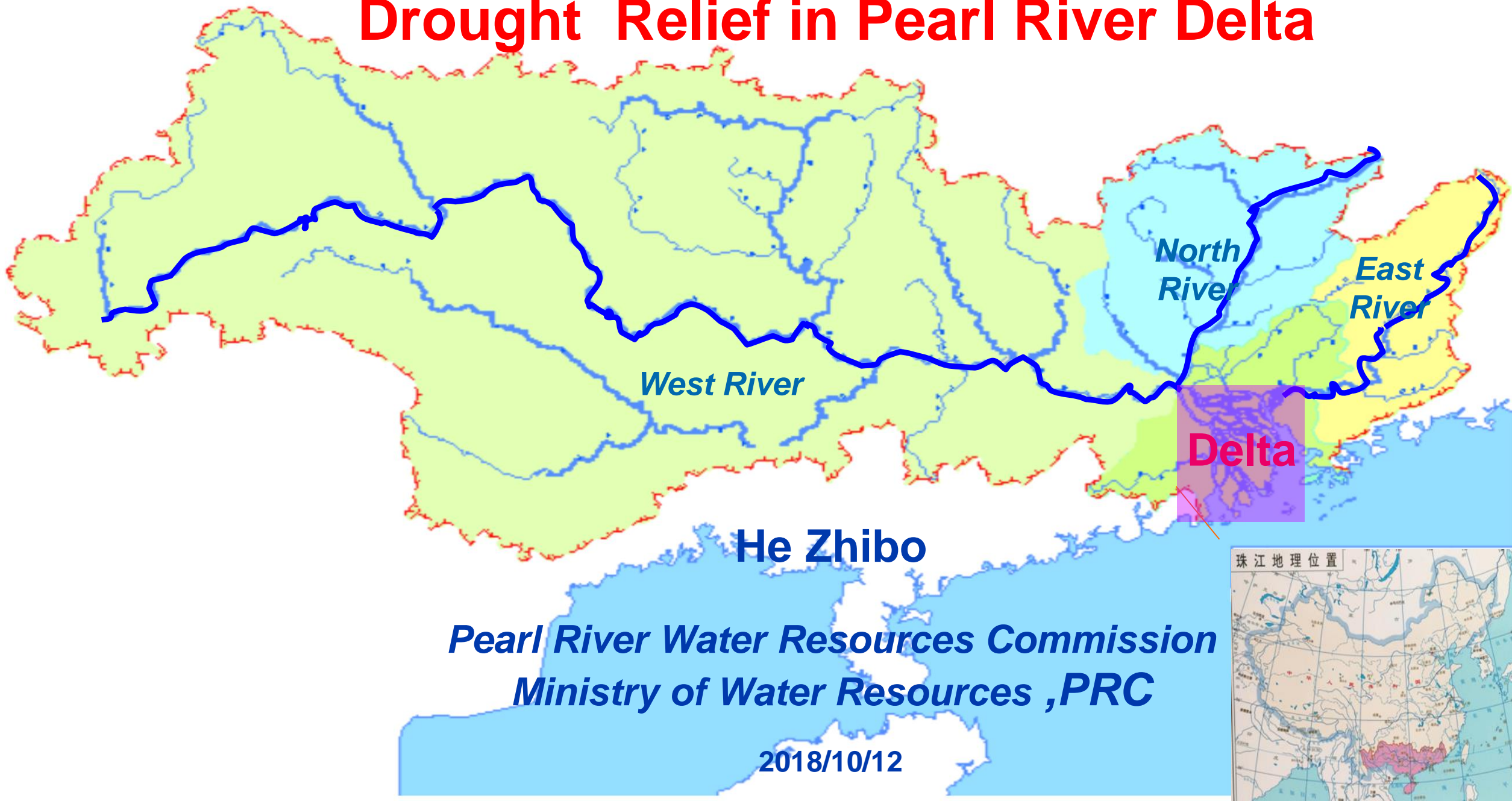


# Drought Relief in Pearl River Delta



He Zhibo

*Pearl River Water Resources Commission  
Ministry of Water Resources ,PRC*

2018/10/12



# Contents

Background

——What's the problem?

Solution

——How to solve the problem?

Practices

——Main work we have done!

Prospect

——What's the next we want to do?

旧金山湾区：  
面积：1.79万平方公里  
GDP：0.8万亿美元  
人口：760万人

纽约湾区：  
面积：0.08万平方公里  
GDP：1.7万亿美元  
人口：860万人

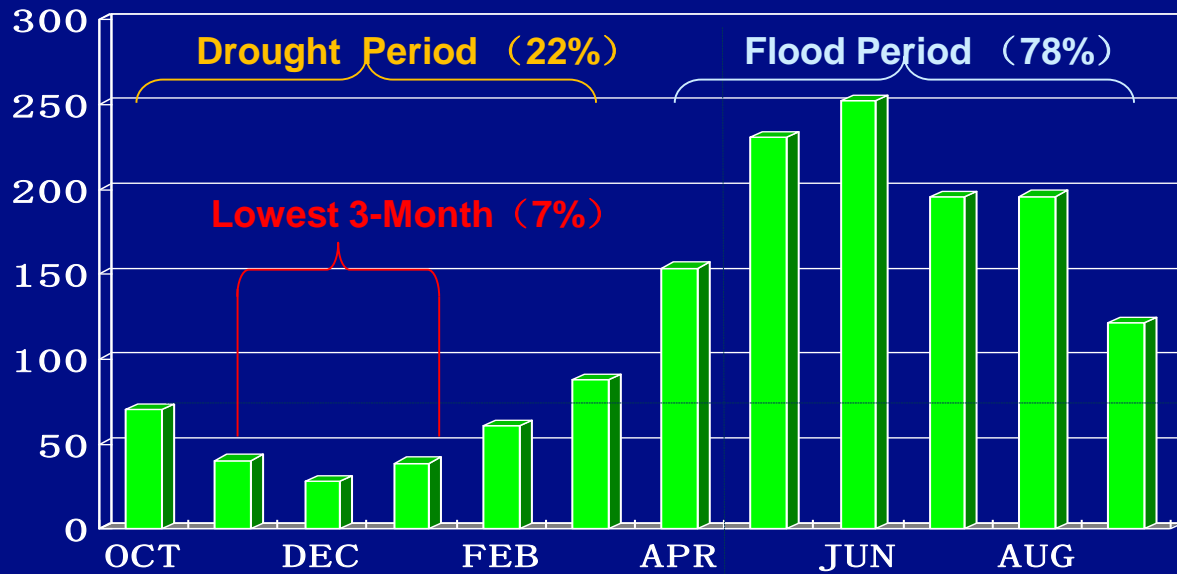
东京湾区：  
面积：3.68万平方公里  
GDP：1.8万亿美元  
人口：4384万人

粤港澳大湾区：  
面积：5.6万平方公里  
GDP：1.3万亿美元  
人口：6672万人

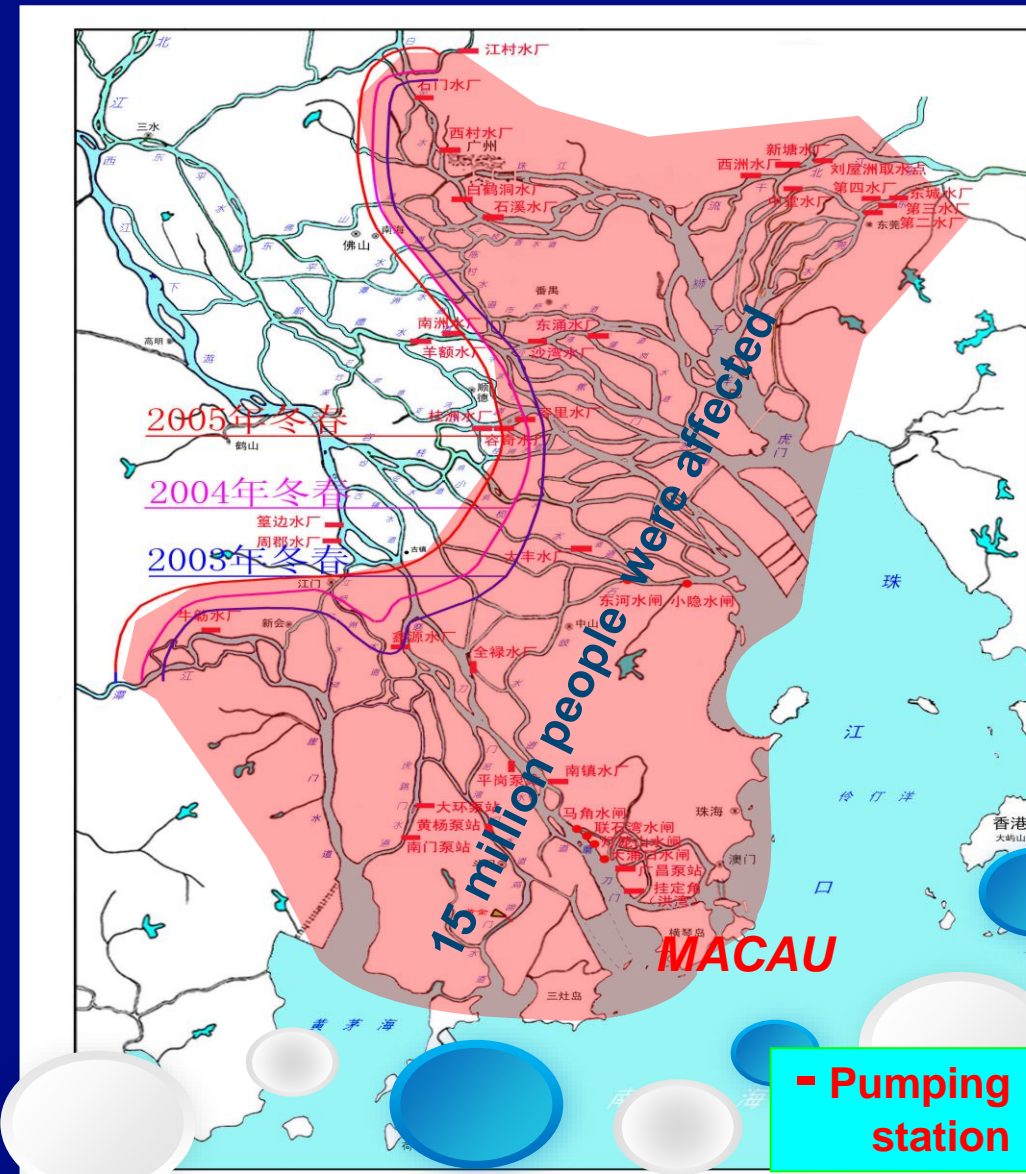
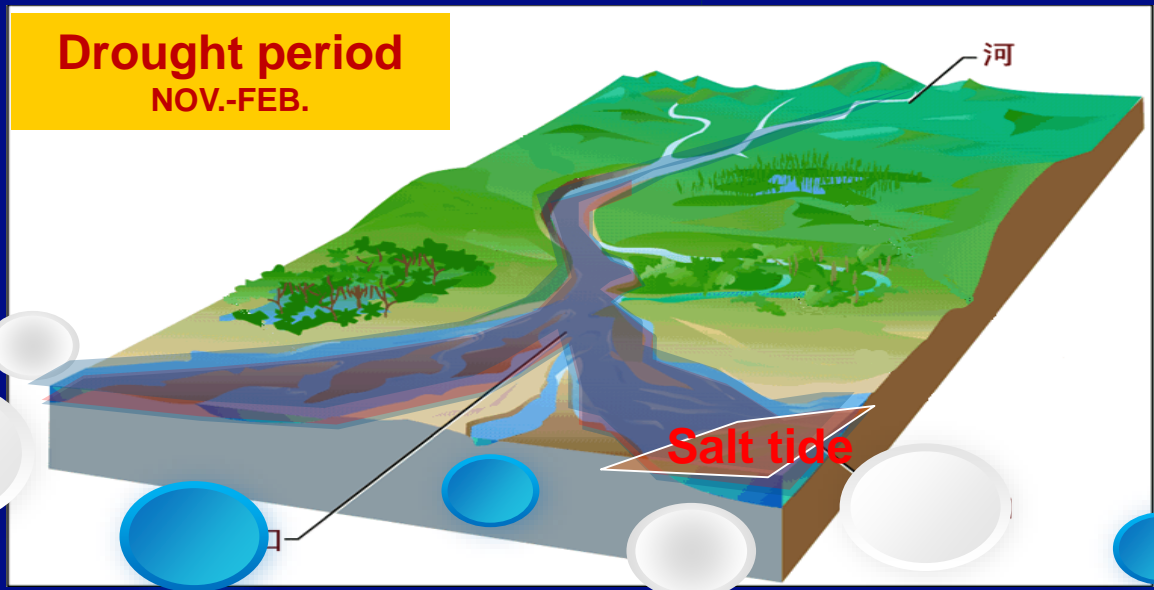


# Water Supply Crisis in Pearl River Delta

## ■ Rain distribution



**Drought period**  
**NOV.-FEB.**



**Goals**  
Ensure water supply  
In Delta

## **Primary Mission**

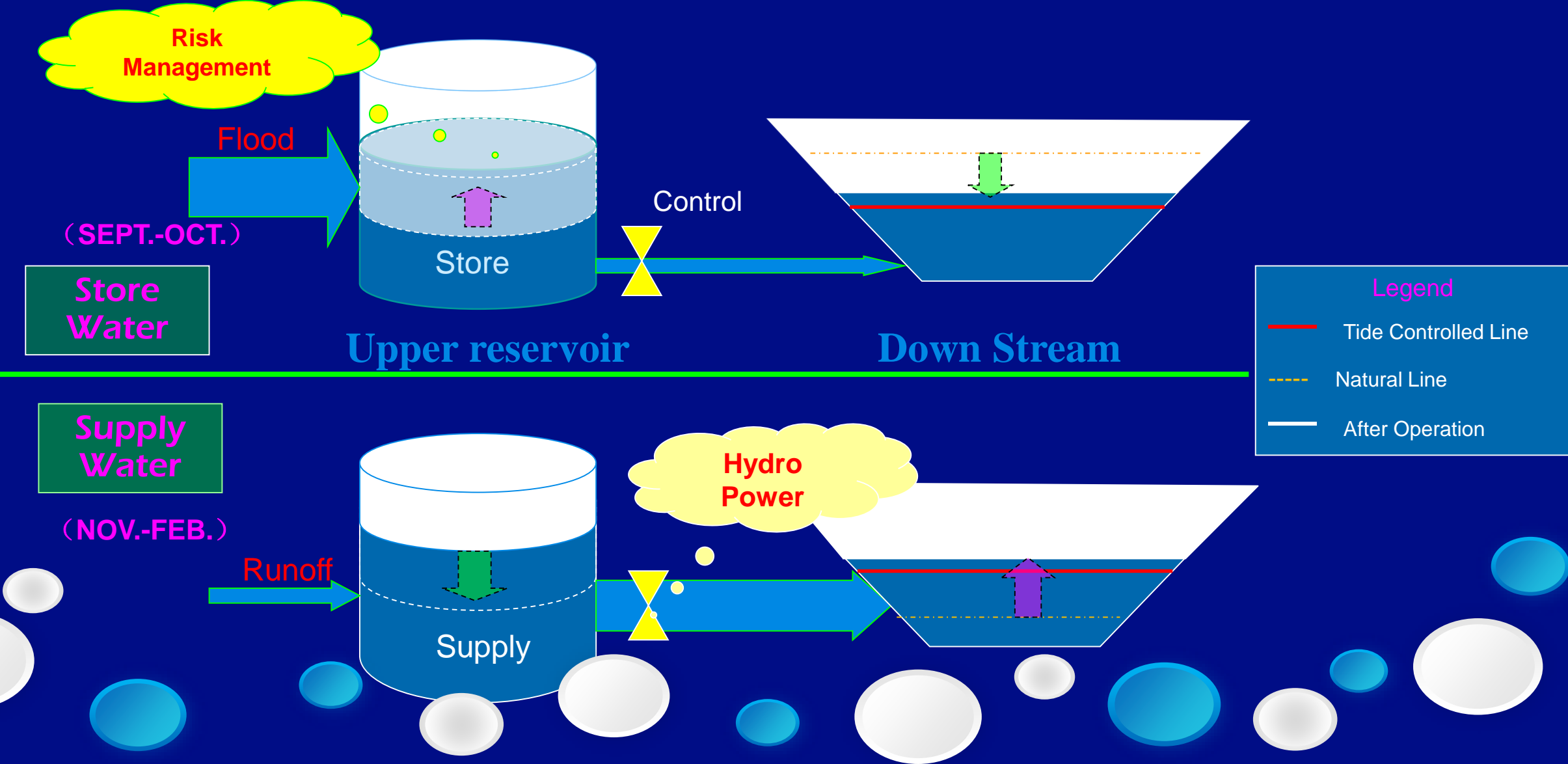
- ◆ Non-Engineering Measures
  - ◆ Local water saving
  - ◆ Basin unified regulations
- ◆ Engineering Measures
  - ◆ Local reservoirs and Water intake system
  - ◆ Basin allocation project

## **Major Difficulties**

- ◆ Changing boundary conditions
- ◆ Complex mechanism of salt tides
- ◆ Long term forecasting and operating
- ◆ Coordination :Multi-province + Multi-industry + Multi-specialty .

Solution

# Water Allocation





## Practices

# Basin Operation and Plan implementation

The 1st stage  
2005-2006

Emergency  
Response

15 days  
Per time

The 2nd stage  
2006-2010

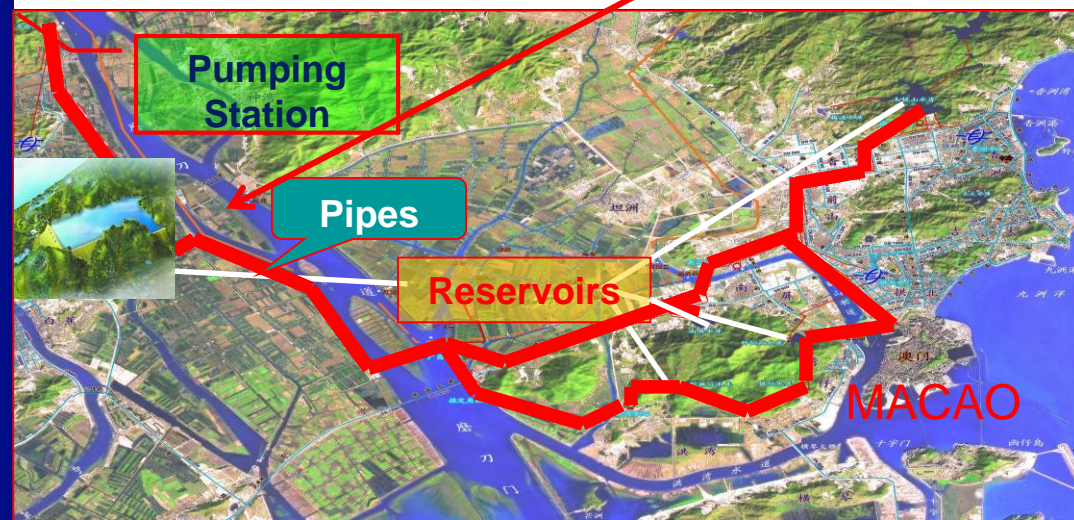
Planning &  
Construction

6 months  
Per year

The 3rd stage  
2011-2017

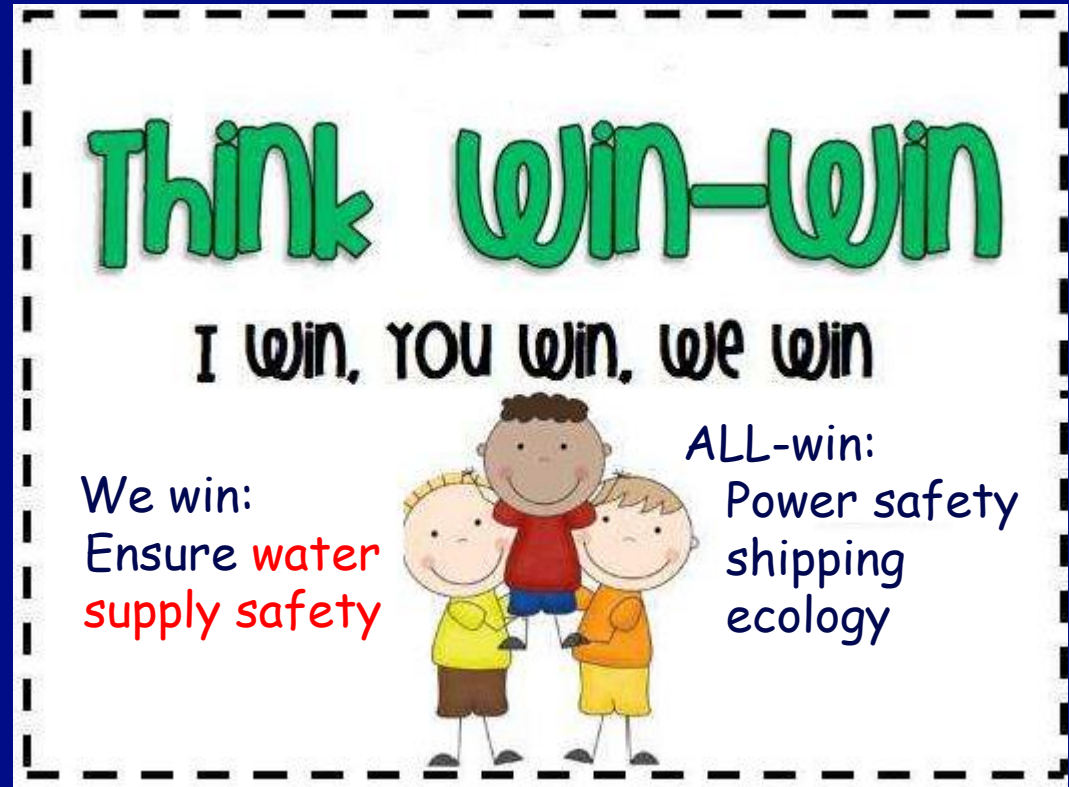
Unified  
Scheduling

8 months  
Per year



## Practices

## Achievements





Prospect

# Building Green Pearl River



System  
Management

Water Regulation Ordinance

Government  
& Market  
Regulation

Spatial  
Equilibrium

Suitable Engineering system

save  
water  
Priority

*Datengxia Control Project*





Thank You !

