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**Asia Water Forum 2022** 

8-11 August 2022 • Online

Focus Area: <u>Water as a sustainable resource</u>

Session Title: Governance and planning for water security

Schedule: [10 August 2022 (Wed) | 11:00 a.m. - 12:30 p.m. (GMT+08)]

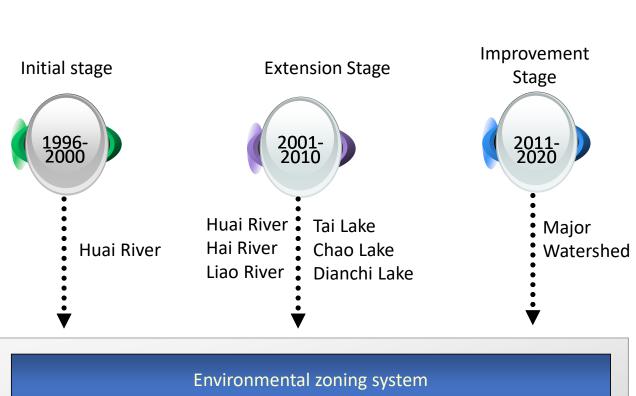


Design and application of environmental zoning method in the Yellow River basin

WEN Yuli Chinese Academy of Environmental Planning Aug 2022

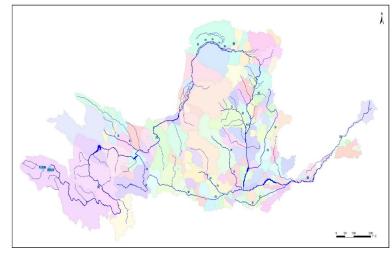


# History of environmental zoning for river basins

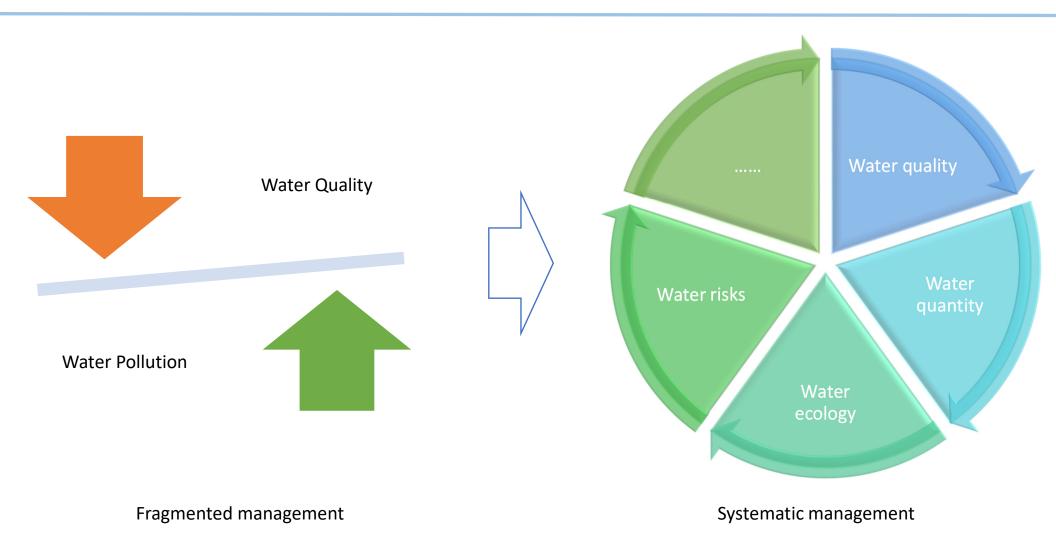




River basin>Control region>Control Units

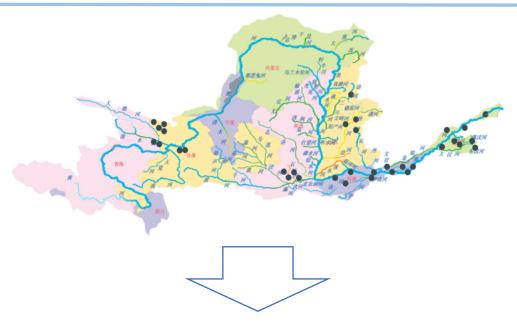


## Reforms in the new era

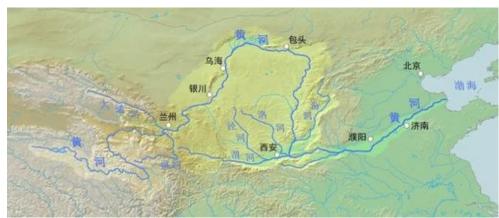


## Reforms in the new era

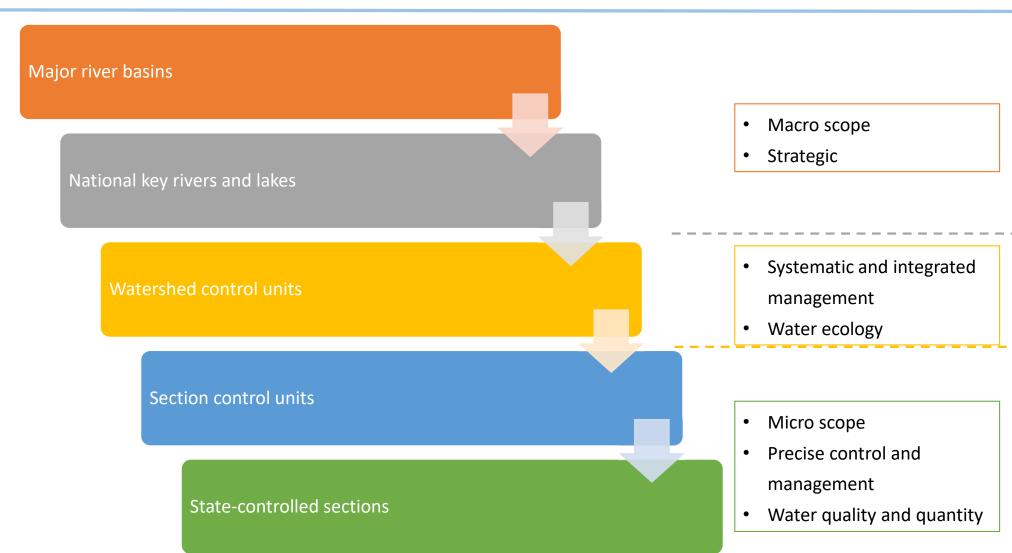
Fragmented management



Integrated/coordinated management

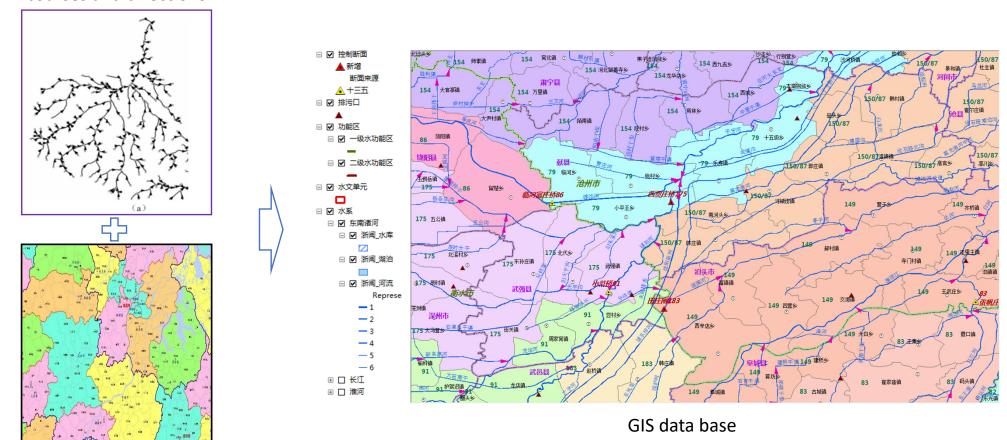


### **Conditions of the Yellow River basin**



### Construction of the data base

# From DEM to water courses and directions



Administrative map

INTERNAL. This informadd it a wifi be have ment and staff. It may be shared outside ADB with appropriate permission.

# The process of environmental zoning for the Yellow River basin

# Set water quality monitoring sections

- Scientific
- Representative
- Continuity
- Comprehensive

Determine the catchment range corresponding to each section

• Towns

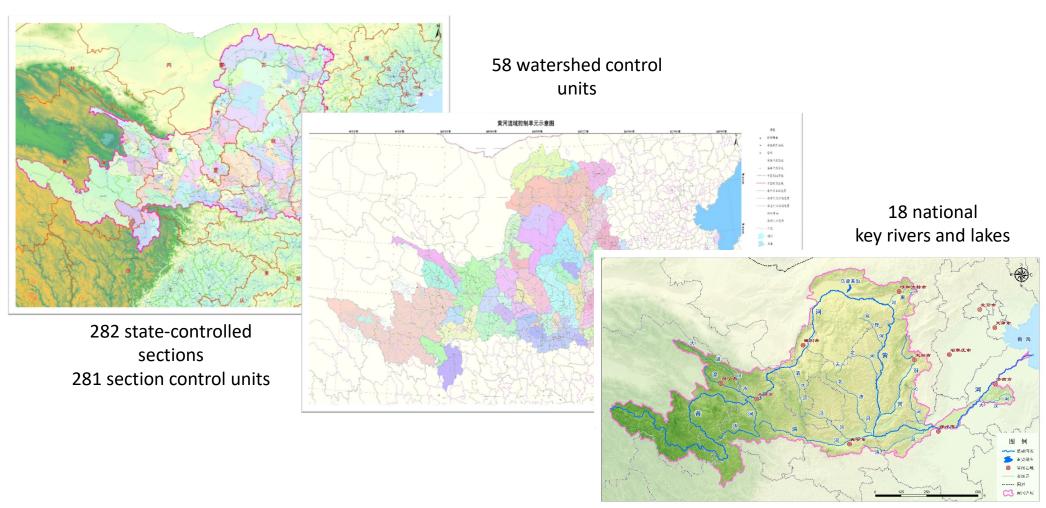
# Divide the boundary of each control unit

Integrity of rivers and lakes

# Identify important rivers and lakes at national level

- Important ecological functions
- Valuable for economy, society and culture

# The results of environmental zoning for the Yellow River basin



### The applications of environmental zoning for the Yellow River basin

Identify the strategies for different national key rivers and lakes

### Water ecology restoration

• The main stream of the Yellow River (upstream area and estuary area), Datong River, Tao River and Hongjiannao

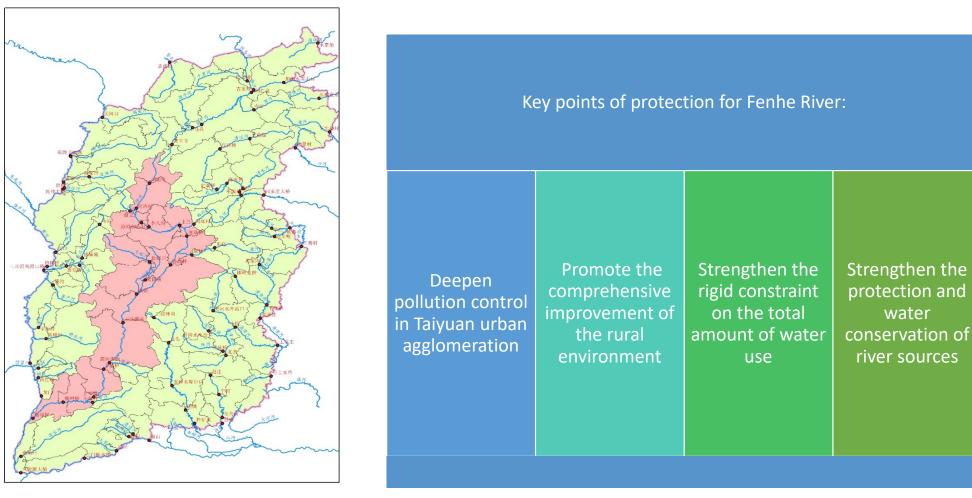
### Pollution reduction

 The main stream of the Yellow River (middle reaches), Huangshui River, Taohe River, Kuye River, Fenhe River, Weihe River, Yiluo River, Dawen River, Wuliangsuhai Lake and Dongping Lake

#### Water conservation

Qinhe River

# The applications of environmental zoning for the Yellow River basin



The layout of watershed

control units of Fenhe River

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# The applications of environmental zoning for the Yellow River basin

