Integrated Yellow River Basin Management in China

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Yellow River Conservancy Commission
Ministry of Water Resource,
People’s Republic of China
Yellow River Conservancy Commission (YRCC)

- State level River Basin Authority
- 40,000 Staff, in which 10,000 Engineers/Scientists
- 16 Departments and 17 Bureaus
- Water policy/Water administration
- Public works Management
- Engineering Consulting
- Civil Construction
- Hydraulic research
- Hydrology and Water quality

Water Governance

- Flood Management
- Soil Erosion Control
- Water Pollution Control
- Environmental Flow
<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>Location</strong></td>
<td>Northern China</td>
</tr>
<tr>
<td><strong>Total Length</strong></td>
<td>5,464 Km</td>
</tr>
<tr>
<td><strong>Drainage Area</strong></td>
<td>795,000 Km²</td>
</tr>
<tr>
<td><strong>Population</strong></td>
<td>156 million</td>
</tr>
<tr>
<td><strong>Annual Rainfall</strong></td>
<td>476 mm</td>
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<tr>
<td><strong>Potential Annual Evaporation</strong></td>
<td>1,100 mm</td>
</tr>
<tr>
<td><strong>Average Annual Runoff</strong></td>
<td>58 billion m³</td>
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<tr>
<td><strong>Average Annual Precipitation</strong></td>
<td>452 mm</td>
</tr>
<tr>
<td><strong>Average Annual Sediment Load</strong></td>
<td>1.6 billion t</td>
</tr>
<tr>
<td><strong>Sediment Concentration</strong></td>
<td>35 kg/m³</td>
</tr>
<tr>
<td><strong>Groundwater</strong></td>
<td>11 billion m³</td>
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</tbody>
</table>
Water Governance in Yellow River Basin

- Legislation
- Administration
- Technical measures
- Economic Measures
- Public Participation
Water governance in Yellow River Basin

- Legislation

State level
- Water Law
- Flood Control Law
- Law on Water and Soil Conservation
- Law on the Prevention and Control of Water Pollution

Rules / Regulations for Yellow River
- Yellow River Water Quota Allocation in 1987
- Yellow River Water Allocation Regulation in 2006
- Details on Yellow River Water Allocation Regulation Implementation in 2007

- Yellow River Law is under preparation
Water governance in Yellow River Basin

- Administration
Water governance in Yellow River Basin

Technical measures:
• Structures: reservoir, dike…
• Established flood control and decision making system
• Established water allocation management information system
• Established water quality monitoring system
• ……
Water governance in Yellow River Basin

- Economic Measures
  - Water Pricing
  - Water Right Transfer and Water Market
  - Water Saving Policy
  - Water Resources Fee
Water governance in Yellow River Basin

- Public participation
- Consulting meeting
- Global Water Partnership-Yellow River
- International Yellow River Forum
- Knowledge Hubs
Water Allocation in the Yellow River

• Established water allocation and regulation department in YRCC
• Issued Yellow River Water Allocation Regulation etc.
• Established water allocation management information system
• Started pilot project of water right transfer
• Established transparent consulting system
Achievements

For: 10 years no running dry
Ecological restoration
Water quality improvement
social-economic sustainability