

CHINA
EUROPE
Water Platform

Policy Expectations from Nanxi River

Case Study Project

Co-funded by the
European Union and P.R. China



Nanxi River

- Originated in Daqinggang at the junction of Xianju and Yongjia county
- It's main catchment are belong to Yongjia county (91%)
- Total catchment of 2436 km²
- Belongs to mountains area of South Zhejiang province being mainly mountainous and hilly
- Is the largest tributary of the lower left bank of the Ou river
- The highest peak of source is 1270m
- The South has discontinuous river valleys and plains
- Belongs to subtropical monsoon climate zone - warm and humid, abundant rainfall, four distinct seasons and abundant sunshine
- The upstream and midstream reaches are in good natural condition



Landscape Values

- Nanxi River is rich in water resources and has excellent water quality.
- It basically meets the national first-class standard and is the **only China's national level scenic spot famous with the scenic area.**
- There are 36 bay and 72 beach in the scenic spot.
- The river is flex and swinging with a degree of urgency, but the runoff is uneven and the dry flow of natural conditions is **difficult to meet the needs of Nanxi River's ecology and tourism.**
- “Beauty Nanxy - Ancient Style Water Town”



Biodiversity Values

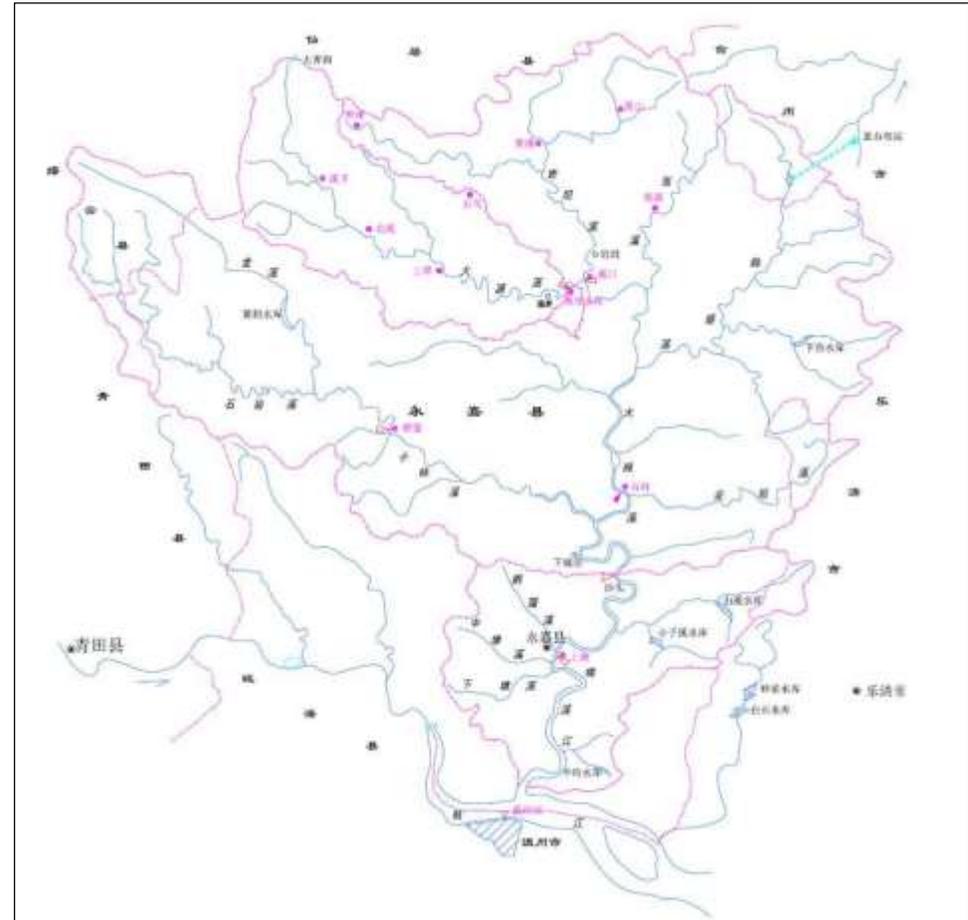
- Ayu and other freshwater fish of Economic commercial Value
- It is precious and **rare fish** that it enjoys the reputation of the “**king of freshwater fish**” in the international market
- The life of ayu lasts only one year that can be divided into two stages including being born in the sea and growing up in fresh water.
- History records in the Ming Dynasty and the Qing Dynasty tell that the Nanxi River is very suitable for the ayu’s growth and development for its unique natural environment.
- In Nanxi main constraints are **habitats destruction and lack of river continuity** (fish pass needs improvement) and **pollution at downstream part** from shoe, textile and pump industry manufactory



Natural constraints and pressures

Monsoon Type Climate

Water Management Projects



How to achieve Policy Suggestions?

Based on Water Framework Directive approach from EU
(team from Portugal, Austria, Netherlands, France, Germany)

With financial support of EU Partnership Instrument
and Ministry of Water Resources of PRC

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Local Stakeholder involvement fundamental

Expected policy contributions

- Contribution for ecological management of floods and droughts (e.g. natural retention water measures and ecological flow)
- Contribute to Water Treatment Plan development to control textile and shoe pollution based on Waters of Portugal experience in this problem.
- Contribution to the definition of ecological standards of Restoration projects (e.g. river cleaning and dredging projects not to affect natural biodiversity populations and touristic spots)
- Indicate possible compensatory measures to make tourism and biodiversity values compatible with water conservancy projects and diversions
- Improvement of fish pass and habitat management options to improve spawning, reproduction and life of Ayu and Natural fish populations

Expected Policy suggestions

- Re-inforcing the Achievement of Ecological Civilization

Policy suggestions hopefully included in next 5 Year Plan of Yongjia County

Contribution for Technical Restoration Standards definition at National level

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Thank you!
谢谢!

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