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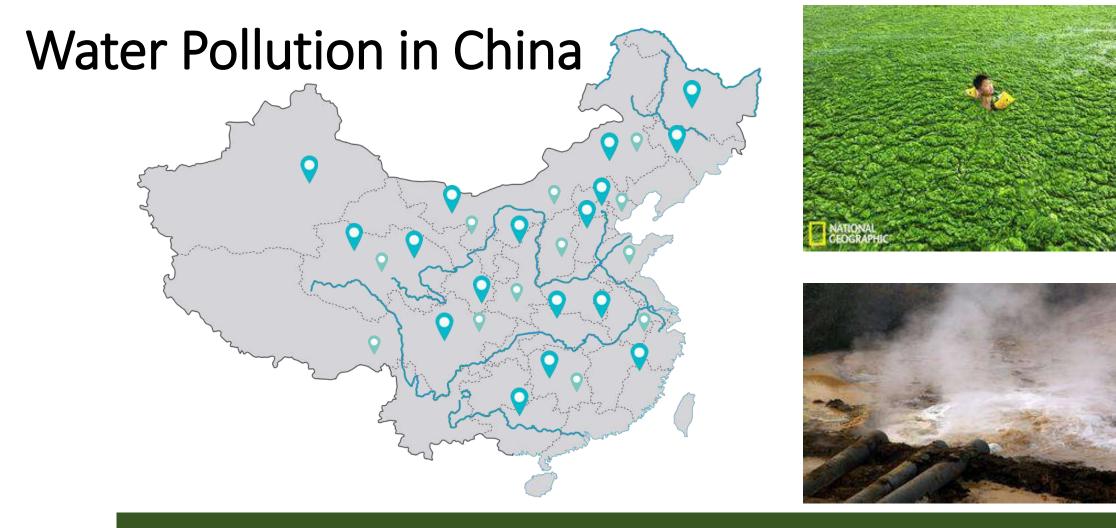
Water Funds in China

TNC China Water Security Team

Quan Mu

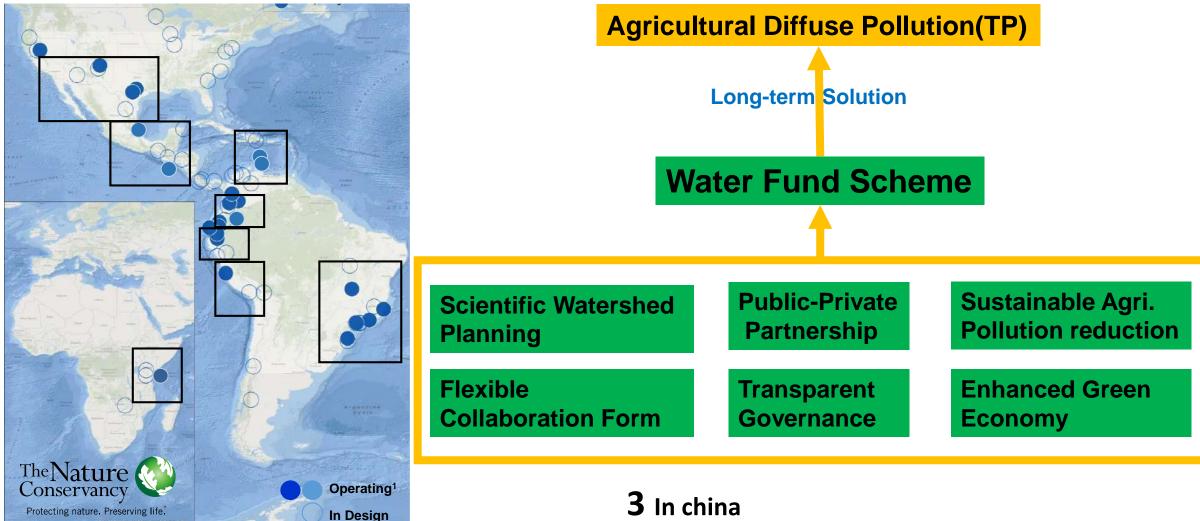


Indonesia



- About a quarter of China urban residents lack access to proper drinking water and sanitation facilities.
- **Over 50%** of China's water pollution comes from non-point source pollution.
- China government is investing **330 billion U.S. dollars** to protect water during 2015-2020.

Water Fund Scheme



24 Operating Water Funds across 8 countries ¹

Defined as having a written agreement formalizing the partnership (as of Mar 2015)

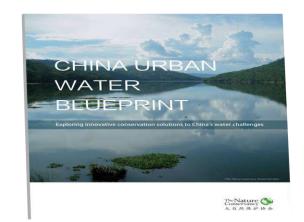
- Small scale, Longwu ٠
- Medium scale, Qiandaohu
- Big scale, Dongjiang watershed

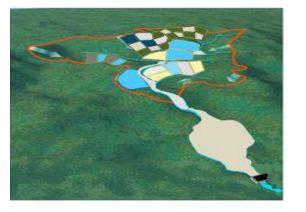
China Securing Water Strategy

PROTECTTRANSFORMNon-point source
pollution reductionFarming practice and
restorationInv

INSPIRE

Investors and public policy





Science

Financial Governance Implement

Water Fund

Efficient mechanism in different scale

Small

Medium

Large

China Water Fund in Progress

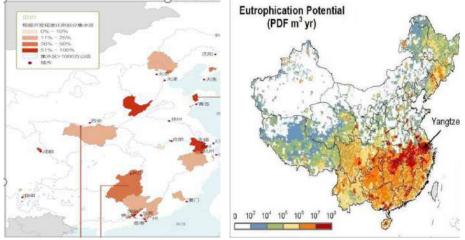


Medium

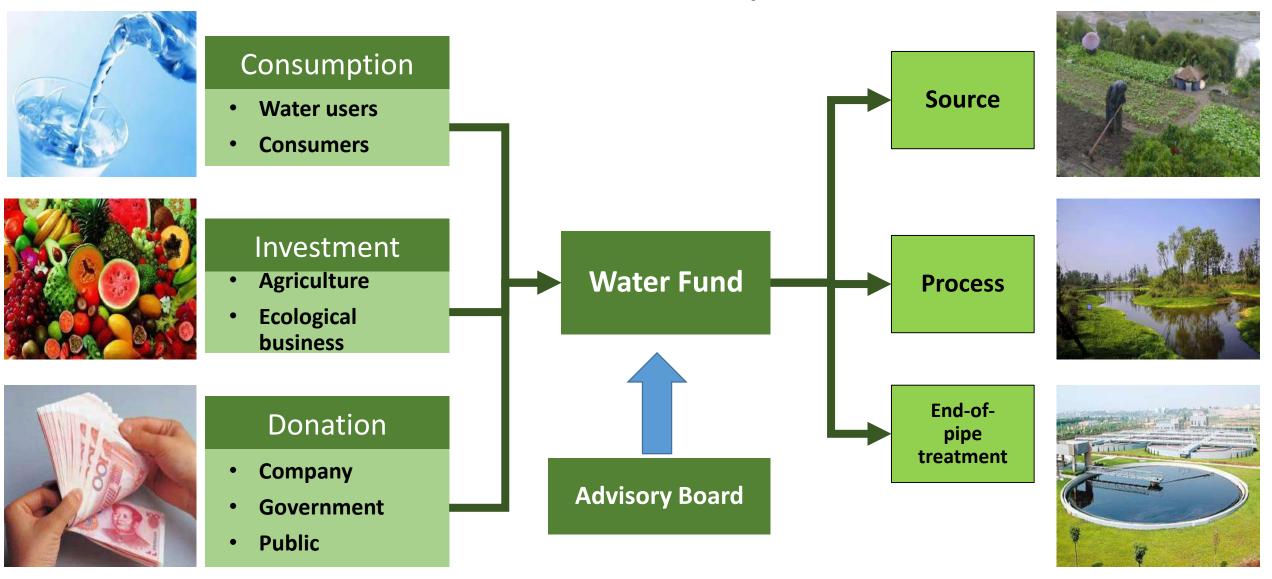
Large

Qiandao Lake, Zhejiang Province

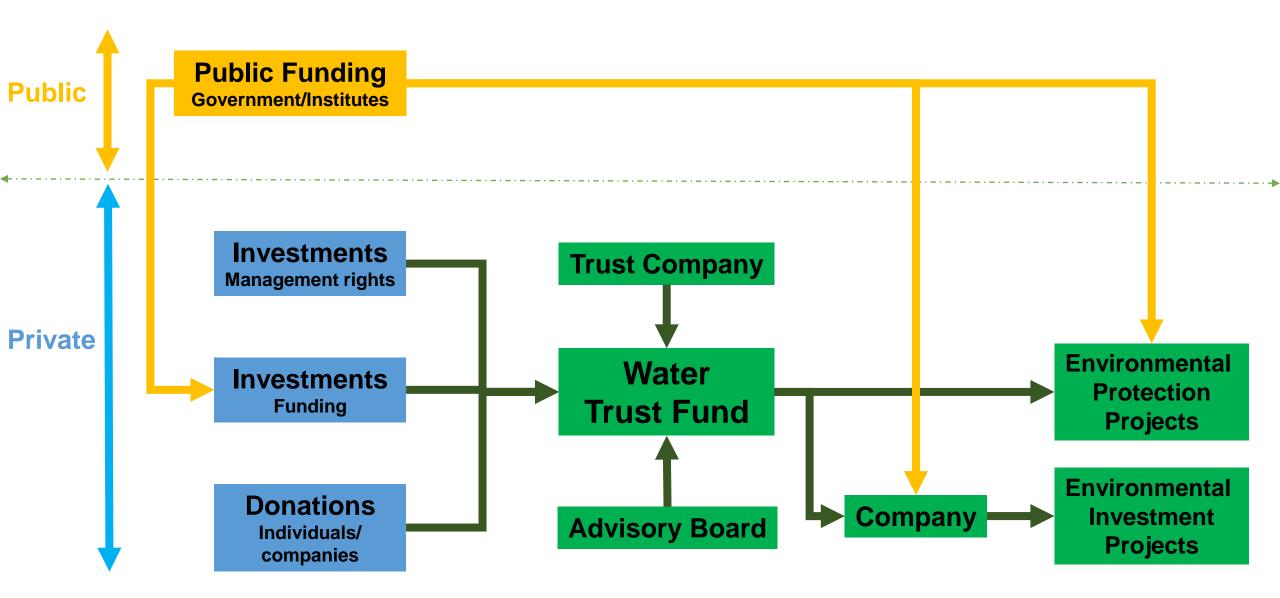
The East River, Guangdong Province



Water Fund Concept Model



Water Fund Operation Model





Qiandao Lake and Xin'an River Basin Water Fund







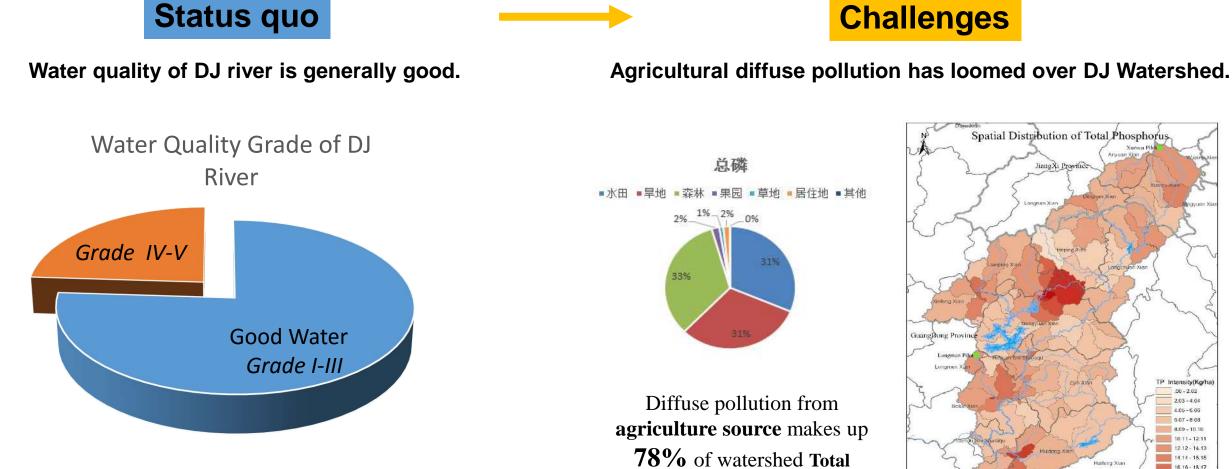
- Watershed area of 11,453 km²
- drinking water source for 900 residents of Hangzhou
- Biggest lake in Yangtze River Delta
- NRDC" An Integrated Plan for Water Resources and Eco-Environment Protection in the Basin of Qiandao Lake and its Upstream Xin'an River"

Dongjiang(DJ) Watershed



- Watershed areas of 35,340 km², 90% located in Guangdong Province
- Drinking water source for 40Million residents in Pearl River Delta(PRD), one of the top economic pioneering regions of China
- Accounts for 60%~GDP of Guangdong Province
- Coverage of Nanning **biodiversity priority areas** and ecological security key regions

Challenges to DJ Watershed



Source: Guangdong and Jiangxi Provincial Department of Water Resources, 2014

78% of watershed Total **Phosphorus**(**TP**) pollution.

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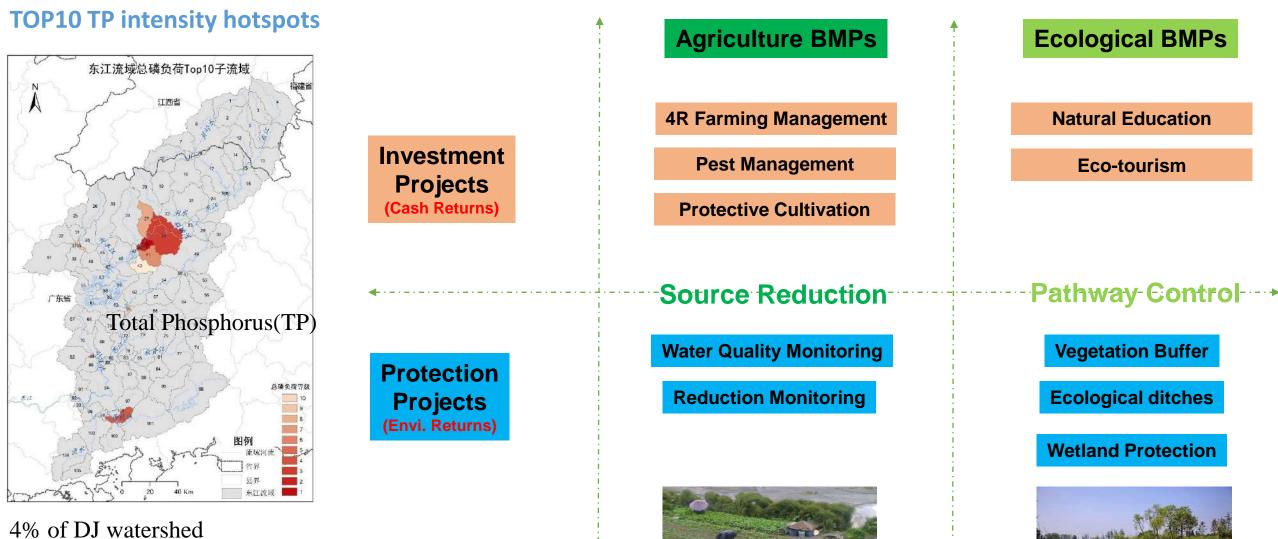
Goal and Objectives

Goal: Providing an innovative solution to improve water quality of DJ watershed by science-based approach to

establish a watershed protection plan and partnership approach to build up a sustainable funding mechanism.

Environmental Goal	Economic Goal	Social Goal
Implementing Agricultural Best Management Practice on 1‰ key lands (4,000 ha land including 3,850 ha farmland, 150 ha orchard) as pilots to demonstrate agricultural non-point source pollution control. which could reduce the 0.6~0.9‰ of total phosphorus load of the whole DJ watershed in 10 years.	DJ Water Fund is supposed to reach RMB 30 million in five years and impact RMB 50 million investment. The total fund scale will be about 200 million in 10 years, and to have 10 core partners on board.	At least 2,000 farmers are supposed to be directly involved in Water Fund pilot projects, in which 10%+ of the poverty ones will have significantly improvement in income.

Water Fund Projects



TP loading contribution 11%

Timeline

