

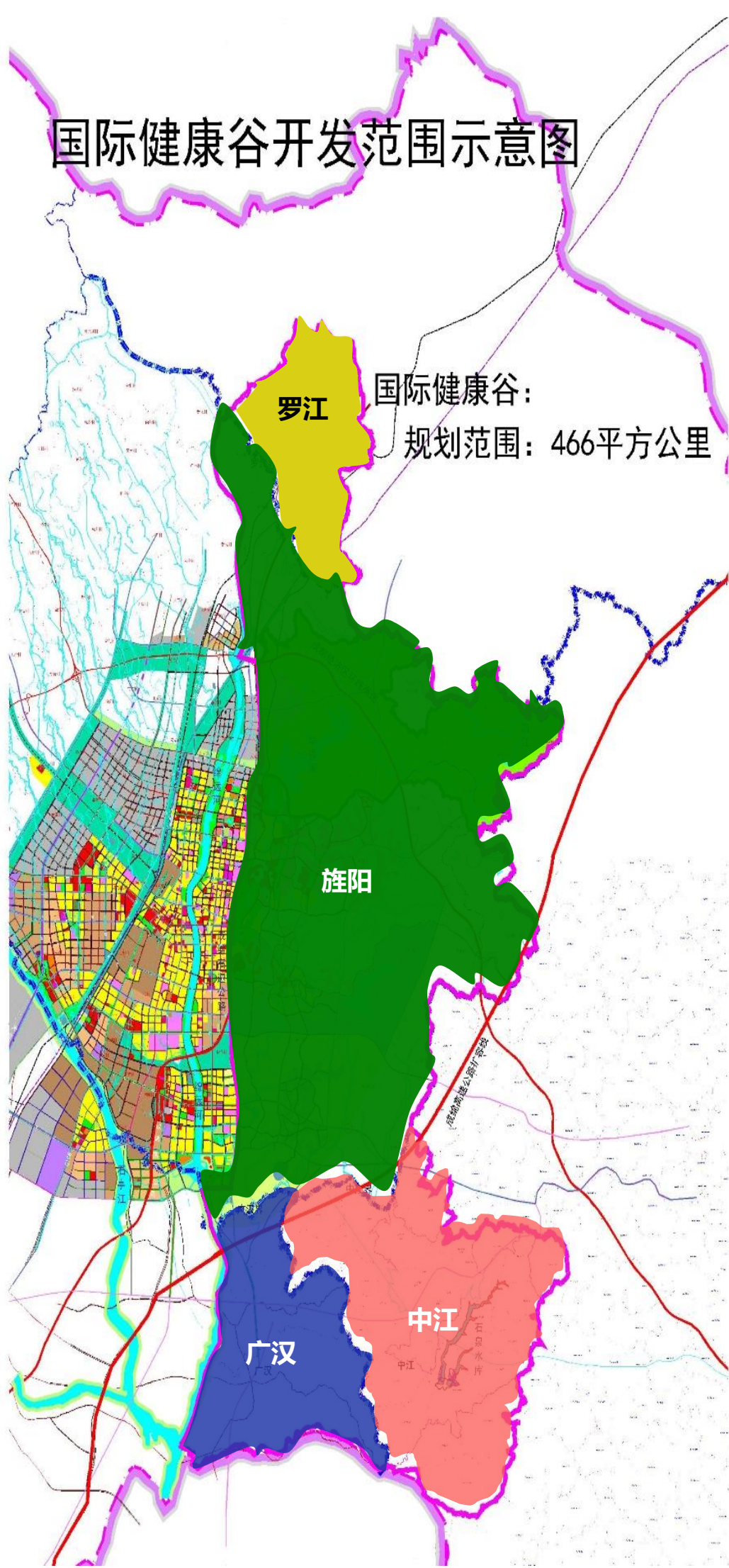
- Tuojiang River is about 712 KM with around 37 million population. Deyang is located at its upper reaches, with an area of 3,400 Square KM and a length of 460KM with 2 Million population. Due to its low quality water environment, the river has been listed on the National & Provincial Key Projects for Water Pollution Prevention and Recovery.
- ‘River Chief’ Mechanism: The central government has created a new senior (mayor level) role at the local level with direct responsibility for each river – to improve water-safety and protect/revive the water eco-system.
 - Resources of Projects Revenue:
 1. Waste water treatment fee from consumers;
 2. Land value capture/ PPP for a part of the riverfront – Resilient infrastructure investment (e.g., water environment improvement) to promote land value, leading to increased value for developers;
 3. Regional fiscal transfers - Existing mechanism whereby upper reaches receive transfers from lower reaches if they pro-actively address river pollution. Deyang will be eligible by implementing it’s planned scheme;
 4. Local government (city and county) budget allocation for water environment improvement;
 5. Central Government Special Funds can be accessed for river improvement works (up to 80% of project cost) for well-developed projects.

Identified Investment(s): <<RMB 12 Billion/USD 1.85 Billion>>

- Urban riverside regeneration
- Waste water treatment plant
- Water environmental comprehensive management
- Flood control facility
- Underground pipelines for waste water and runoff
- Water ecological recovery

How Will These Investments be Financed:

- Private capital though PPP –35%
- Green Bond linked to waste water treatment plant revenues (user pay based) - 30%
- Government funds - 25% (Central, Provincial, Municipal)
- World Bank, MDBs.- 10%



国际健康谷开发范围示意图

罗江
国际健康谷：
规划范围：466平方公里

旌阳

广汉
中江

Location: East of the Deyang central district, 80 km², 50km from Chengdu (capital city of Sichuan)



Vision: To create a green and wellbeing hub, offering improved quality of life for residents of Deyang as well as Chengdu (population 7m+), and attract low carbon shops and businesses;

Project: Elevated road project of 29 km² to connect 5 lakes with existing public transportation

Main revenue sources :

- Land value capture/ PPP for a part of the riverfront – Resilient infrastructure investment (e.g., forestation and lake expansion) to promote land value, leading to increased value for developers;
- Tourist fees and user fees linked to the multi-lane road, e.g., marathons/ events
- Fiscal revenue from municipal government.

Map showing the 5 lakes (left) and the proposed road (right)

Identified Investment(s): <<RMB 22Billion/USD 0.34 Billion>>

- Multi-lane elevated road project in the 5 lakes area
- Separate lanes for:
 - Cycling;
 - Walking/running; and
 - Electric vehicles
- Ecological recovery project (forestation and lake expansion)

How Will These Investments be Financed?

- Private capital though PPP –40%
- Tourist fees and rent from shops– 30%
- World Bank, MDBs- 25%
- Government funds (Central, Provincial, Municipal) – 5%