



Danshui River Waterfront Development

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Presentation Outline



1. Information about Taipei

2. Danshui River in the Past

3. Crisis

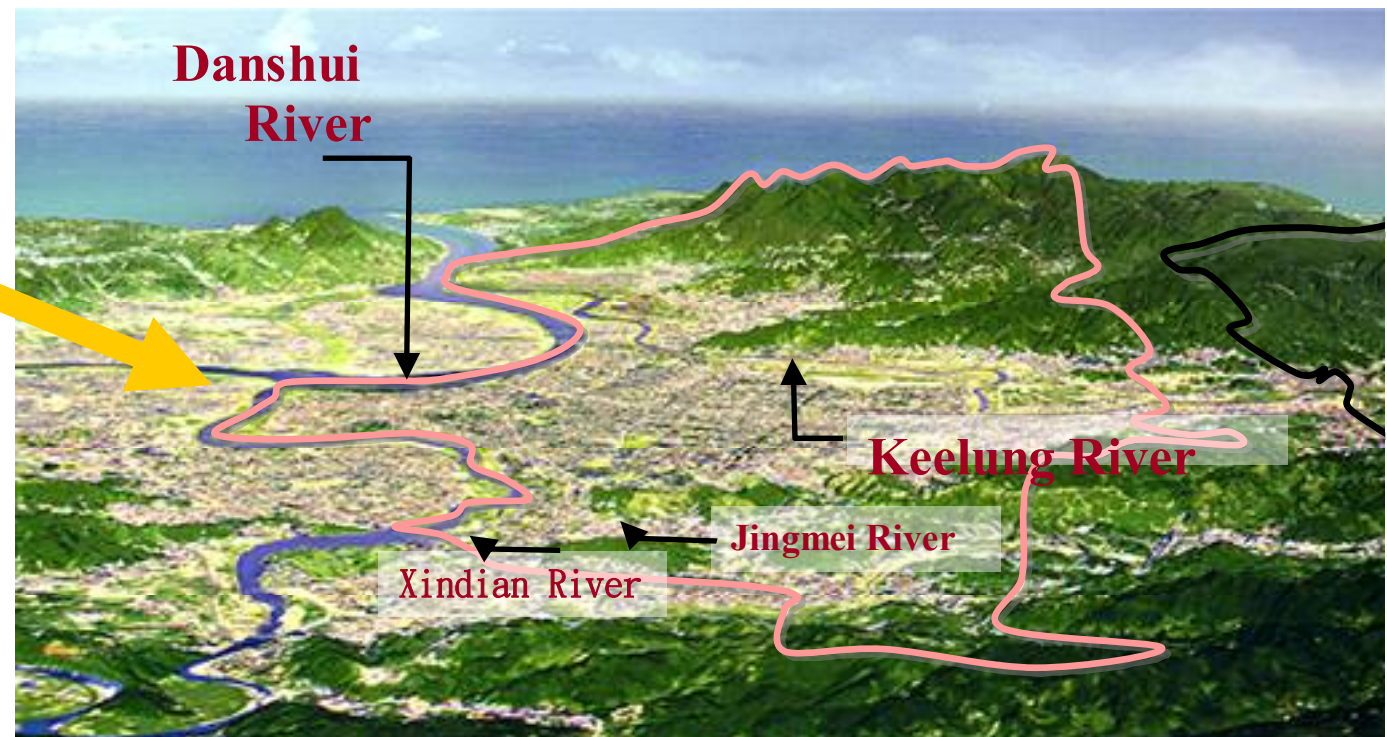
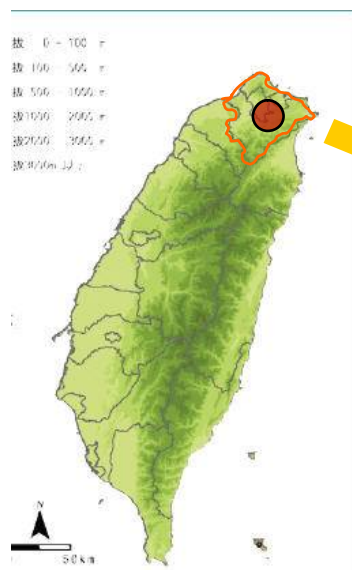
4. Opportunities

5. Vision

1. Information about Taipei



- The population in the Taipei metropolitan area is about 6.9 million. (including cities of Taipei, New Taipei and Keelung)
- Danshui River is northern Taiwan's largest river. (The drainage basin covers five counties and cities)
- The length of Danshui River is about 158.7 km, and drainage basin covers about 2,726 km².



2. Danshui River in the Past



- In the eighteenth century, Danshui River was the primary artery and main waterway access to Taipei.
- The Taipei City development started along the riverside of the Deanshui River, and Dadaocheng was the busiest and most bustling commercial district.
- At that time, foreign firms and embassies clustered in the Dadaocheng area.



3.Crisis



- Along with the rapid commercial activities and urbanization, a large number of people have entered into the basin area while taking the lands of watershed.
- As a result, Danshui River was seriously contaminated by various sources of wastewater.
- In regards to flood control and transportation needs, tall embankment and elevated highways have been built along the riverside. These constructions had blocked people's access to enjoy waterfront scenery.



4. Opportunities



Taipei City Government cooperates with New Taipei City Government to launch “Danshui River Waterfront Development Plan”.

- ▶ **River water purification**
- ▶ **Multi-purpose riverside parks**
- ▶ **Ecosystem conservation**
- ▶ **River bridges beautification**
- ▶ **Urban renewal at waterfront**



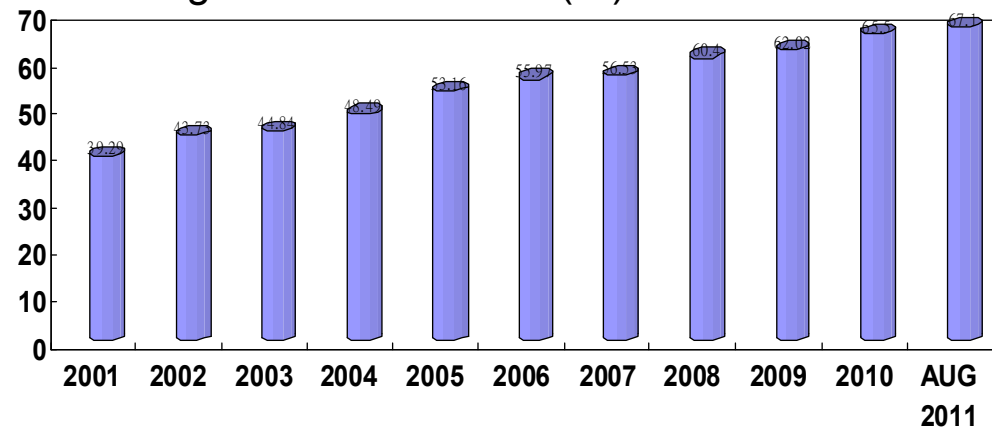
4. Opportunities to Improve Water Quality



Purify River Water Quality

- The sewer connection rate reaches 67.1%, the first rank among cities in Taiwan.
- Taipei has many diverse ways to manage wastewater. (including 3 wastewater treatment plants, 11 wastewater interception stations, 3 aerated gravel contact oxidation processing facilities, and Guandu artificial wetland)
- Danshui River water quality has achieved a medium pollution level down from severe pollution level.
- Taiwan EPA has found 48 kinds of fishes in 2007, yet 89 kinds in 2010.

Sewer connection rate based on registered addresses (%)



4. Opportunity to Make Use of It



Multi-Purpose Riverside Park

- 28 riverside parks have been built, in which areas sum up to 485 ha.
- The total length of riverside bicycle paths is about 111 km.
- These parks provide city residents plenty of open space for sports, recreation and other activities.



4. Opportunity to Conserve Biodiversity



Ecosystem Conservation

- The Danshui River system fits the quality standard of water body , and several wetlands forms in drainage area. (The Guandu Nature Park, Guandu Nature Reserve, Hua-Jiang Waterfowl Nature Park and Wildfowl Reserve form large areas of sandbanks or wetlands, providing eco-friendly habitats for plants and animals)
- Based on the investigation in 2011, there are 30 different species of birds in these wetlands, including 2 protected species.



4. Metropolitan Cooperation Opportunity



River Bridge Beautification

- 12 bridges had been selected to have night lighting.
The project will reach completion in December 2012.



4. Metropolitan Cooperation Opportunity



Waterfront Urban Renewal

- Initiating the Propose Floor Area Ratio (FAR) Bonus mechanism to encourage urban renewal. The bonus floor area can be used for public housing and/or cultural & creative districts for artists to settle in.
- Three parcels of public land have been chosen as the first demonstration sites to improve surrounding areas to initiate urban renewal.



5. Vision



It is hoped that the “Danshui River Waterfront Development Plan” will work to achieve the following objectives:

- Restore the original ecological biodiversity and natural beauty in Danshui River waterfront area.
- Create Taipei’s urban waterfront milieu to allow city residents to experience the Danshui River again in a new light, and to create wonderful bonds with the river.
- Make Taipei an international city that is proud of its environment with beautiful waterfront.



Thank you

