

CYCLING in TAIPEI

- a Healthier, Greener and more Sustainable Living Style



Hydraulic Engineering Office Public Works Department Taipei City

副總工程司 Deputy Chief Engineer

林士斌 Shih-bin Lin

email: sblin@mail.taipei.gov.tw

27th February 2016

1

Taipei Riverside Bikeway

- History and achievement

2

Public Participation

- Case study

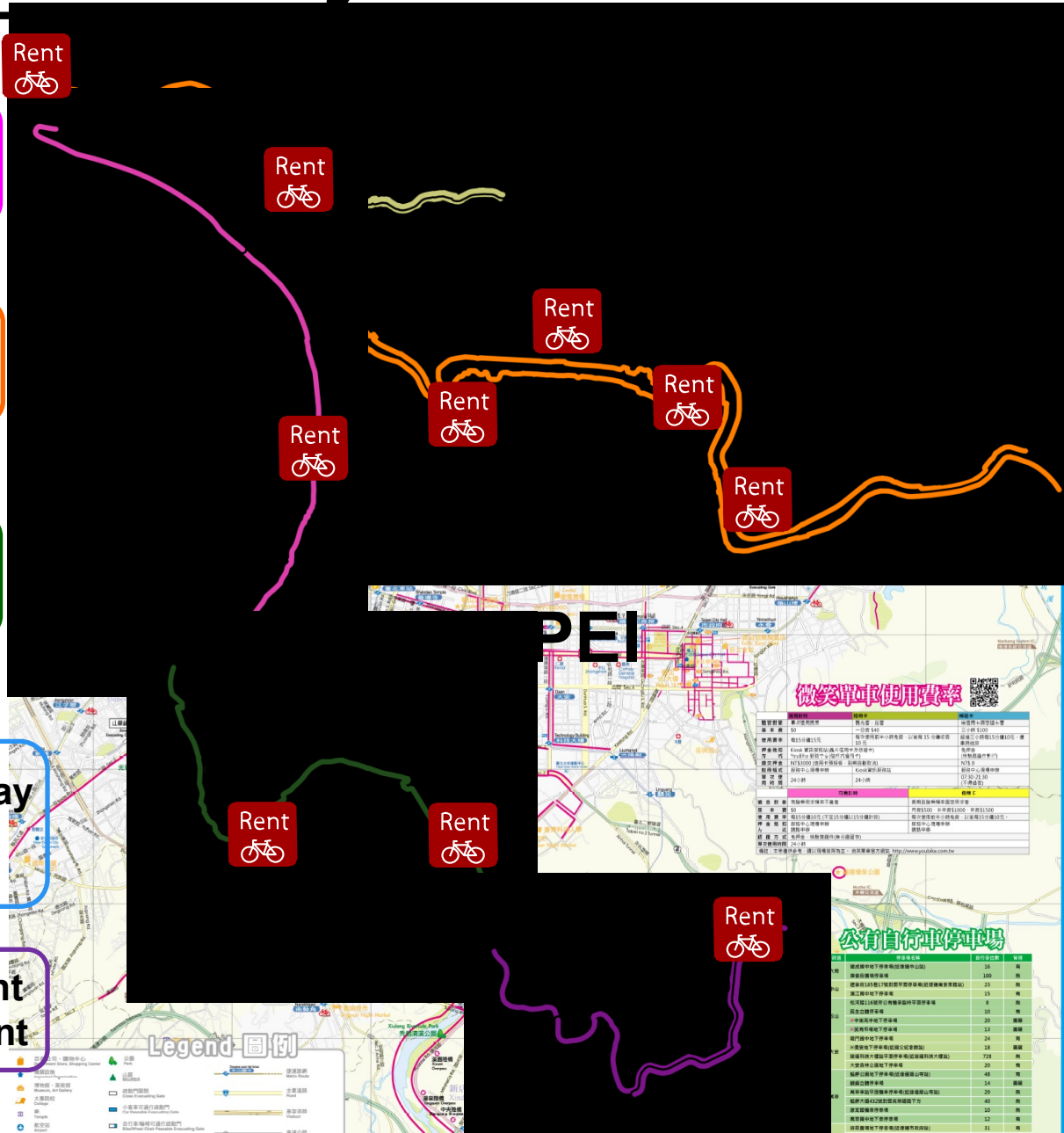
3

Lesson Learned

- Stakeholder engagement

Riverside Bikeway

- 1997~○ **Stage 1**
Began to build riverside bikeway
- 2000~○ **Stage 2**
Riverside Bike Rental Service
- 2007~○ **Stage 3**
Design Guideline and improvement project
- 2011~○ **Stage 4**
112 km riverside bikeway connected into a round route
- Now~○ **Continuing improvement Information management**



微笑單車個人用費率

租車種類	租車時間	租車地點	租車費用
一般車	10分鐘	台北、新北、桃園、基隆、新竹、嘉義、台南、高雄、屏東、花蓮、台東、澎湖、金門、馬祖	15元
兒童車	10分鐘	台北、新北、桃園、基隆、新竹、嘉義、台南、高雄、屏東、花蓮、台東、澎湖、金門、馬祖	10元
腳踏車	10分鐘	台北、新北、桃園、基隆、新竹、嘉義、台南、高雄、屏東、花蓮、台東、澎湖、金門、馬祖	15元
腳踏車	10分鐘	台北、新北、桃園、基隆、新竹、嘉義、台南、高雄、屏東、花蓮、台東、澎湖、金門、馬祖	15元
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公有自行車停車場

停車場名稱	地點	數量	備註
國父紀念館	國父紀念館	100	
中正紀念堂	中正紀念堂	100	
國父紀念館	國父紀念館	100	
中正紀念堂	中正紀念堂	100	
國父紀念館	國父紀念館	100	
中正紀念堂	中正紀念堂	100	
國父紀念館	國父紀念館	100	
中正紀念堂	中正紀念堂	100	
國父紀念館	國父紀念館	100	
中正紀念堂	中正紀念堂	100	

Legend 圖例

Riverside Bikeway



Cycling Tourism

Theme routes:

Kids-parents

Sports

Sea of flowers

Camping

Wedding

Light sculpture bridge

Wet lands

History

Landscape

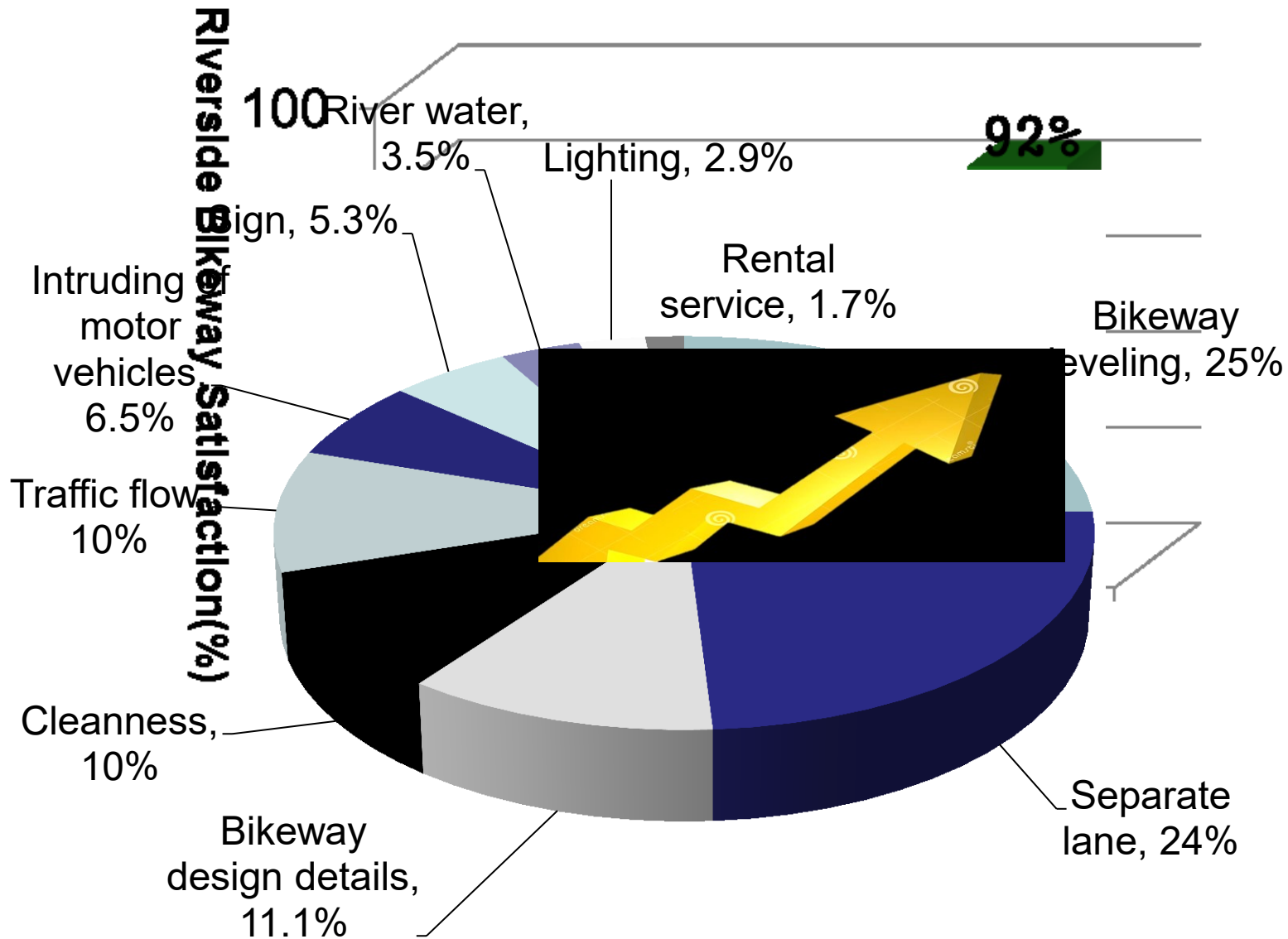
水河右岸

店溪右岸

景美溪左右岸

基隆河右岸

Riverside Bikeway



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Stage 3

In 2007: the last mile for connecting the 112 km riverside bikeway

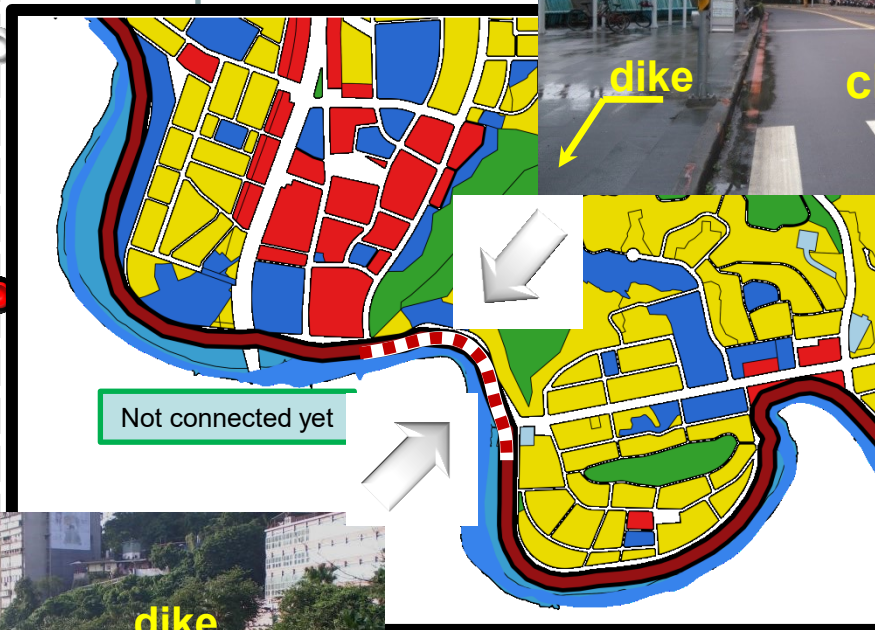
1997~

2000~

2007~

Urban planning map
Legend

- █ School, government
- █ Park and greenbelt
- █ Commercial district
- █ Residential area
- █ Industrial area



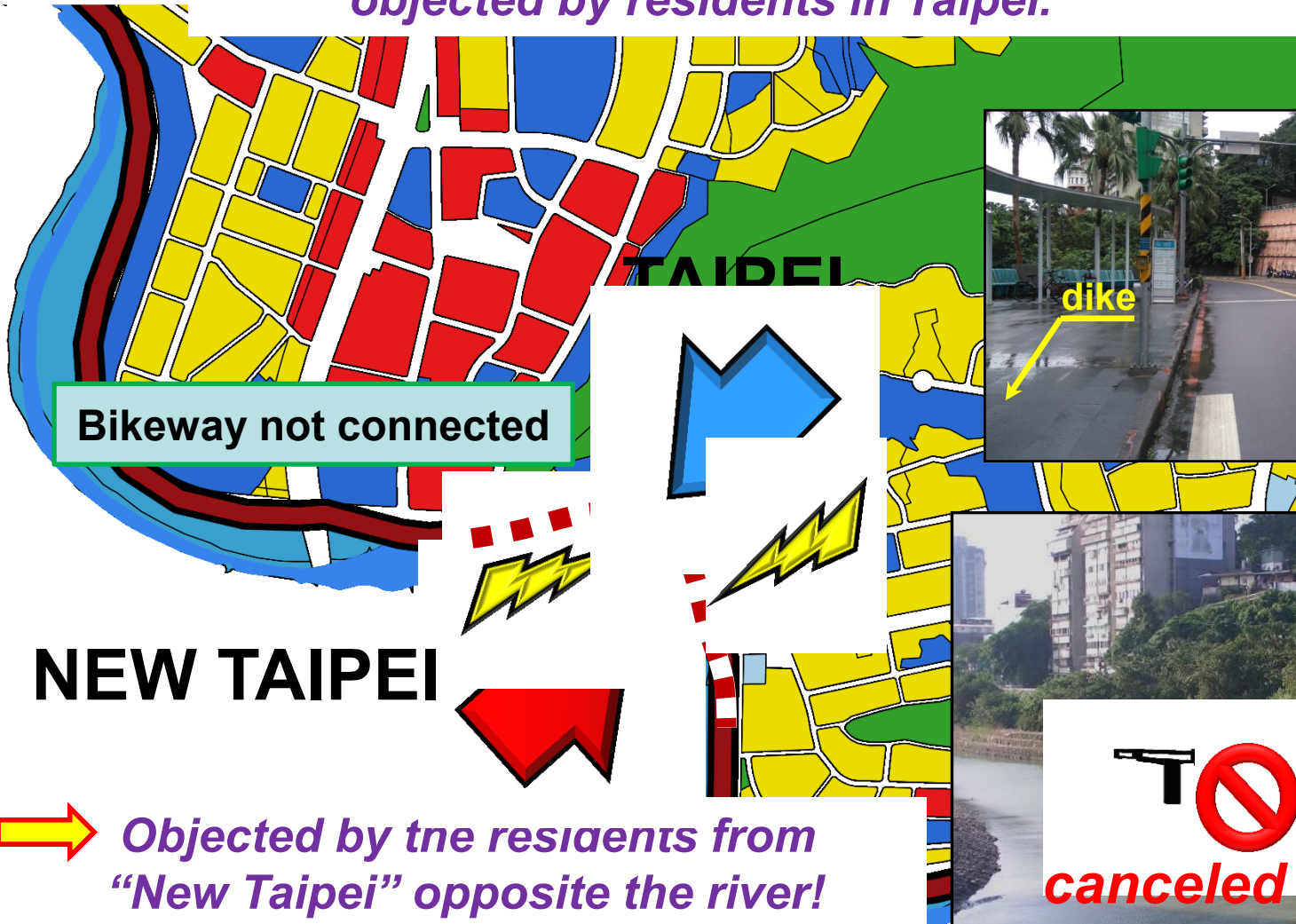
People demanded for bikeway

Tasks:

- Narrow both riverbank space and city side road,
- Traffic flow mix with motor vehicles and pedestrians
- Mix land usage => complex and high traffic flow (school, commercial, residential)

Stage 3

2007: Taipei government's scheme was proposed, and didn't objected by residents in Taipei.



Objected by the residents from
"New Taipei" opposite the river!
Landscape, flooding risk...

Stage 4 2009: Alternative scheme was accepted by stakeholders both cities (banks)!

Stakeholders may from various groups, even outside the dominative area!



Absent of key stakeholders may bring conflicting interests, lead to controversial dead-end!

Connected!

NEW TAIPEI

2007

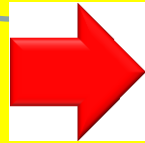


2011

Stage 4 2013: Onsite evening cycling inspections

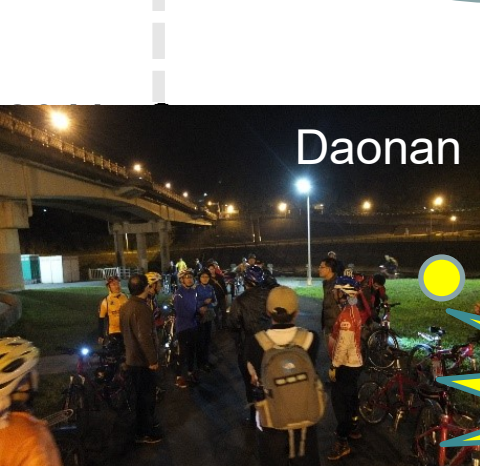
→ Collaborating across multi-stakeholders
Public-Private Partnerships

Bikeway alignment, service facilities (information board, direction sign, bikeway lamp...) and barrier free environment are improved according to user experience and expectation!



Participatory design could be introduced even when the construction was finished!

- Inspecting facilities
- Brainstorming solutions
- Multi-stakeholder engagement



Public Participation

Landscaping works:
art installation, floodwall painting/mosaic, playground, 3D painting, sea of flowers..

歡樂牆 Happy Wall



777 ha riverside area, 112 km long bikeway:
➡ Enjoyable riverside cycling environment!



Public Participation

1998~

Happy Wall Project initiated

Dull, cold, stressful but necessary floodwall



2013~

Artistic, fully local characteristic scenic spot for cyclists and residents!



2014~



piece together



Tiles provided freely from private manufacturer

59 smiling faces of the locals

Public Participation

1998~

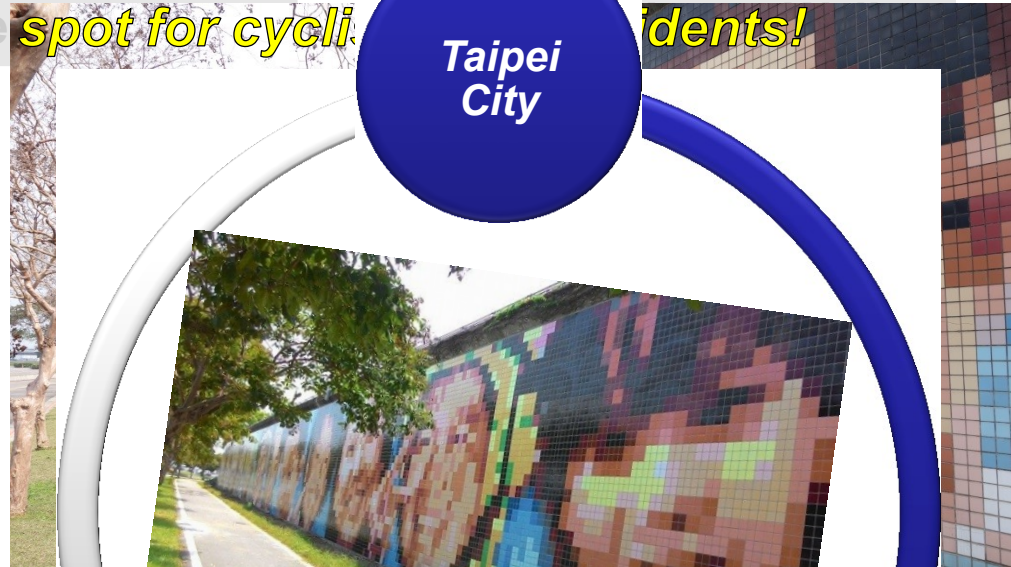
Happy Wall
Project initiated

necessary floodwall



2013~

Artistic, fully
spot for cycli



2014~

Characteristic scenic
idents!

Public-Private Partnership:

- Multi-stakeholders cooperation
- Completely fund by private sector
- Common assets for the locals

from private manufacturer

Private
company



Finished in 1998

Local
artists/
residents

59 smiling faces of the locals

Public Participation

1998~

2013~

Happy Wall Project initiated

Restoration project launched



Cracked and aged not easy to repair

Locals and cyclists asking for solution

City government summoned the original stakeholders

Participatory design project launched



6 internet voted new faces
 155 contestants, 41,960 web visitors

河濱壁畫牆 200米破10處

2013年10月05日 [f 讚](#) 52 [g +1](#) 0 [Pin it](#)



【許麗珍／台北報導】由上萬片彩色磁磚拼貼而成的北市大佳河濱公園微笑壁畫，遭民眾爆料年久失修破裂脫落，短短200公尺牆面竟有10幾處破裂，水門旁牆面更有長達50公分磁磚脫落，隨時有砸傷人疑慮，挨轟維護不當。主管的水利處承諾盡快修補，不排除大翻修。

大佳河濱公園微笑壁畫脫落，甚至有長50公分磁磚脫落。李慶鋒提供

1998~

2013~

2014~

Regeneration of
Happy Wall



【林媛玲／台北報導】台北市大佳河濱公園歡樂牆上，有五十九個笑臉馬克爾圖案，十五年來多數遭毀損，近日整修發現其中六個無法重建，北市工務局昨公開徵選微笑臉譜新主人，也邀請當年微笑主人現身。即日起台北市民可參加徵選，獲票選最高票前六名，將成臉譜新主人，可獲新歡手機車牌及專屬個人臉譜紀念品。

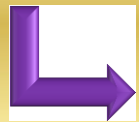
台北一〇一大樓發言人劉家豪昨出席記者會說，十五年前他剛從美國



Newspaper reported:
The owners of the smiling faces meet up again after 16 years

Public-Private Partnership:

- Multi-stakeholders cooperation
- Private sector investment
- Common assets for the locals
- Decades engagement



Planning ownership
Stakeholder ➡ shareholder

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Designing absent of user input is very dangerous!

*Designers tend to believe that our type of thinking must be superior.
(But they are usually just technically right...)*



User experience

**Participatory design
often brings more innovative
concepts and ideas!**

(Source: www.landarchs.com)

Institutional Framework for Public Participation in Infrastructure Construction Projects in Taipei

Preparing Phase

Planning and Design Phase

Construction Phase

Project Beginning

High investment/controversial/impact...

Preliminary Planning

Identify stakeholders and key issues

Preliminary Stakeholder Communication

Internet, media, interview, survey, district hall meeting...

Appoint Contact Person(s)

Planning Scheme Integration

Workshop, multi-stakeholder forums, design competition,

Planning Scheme Selection

Technical/financial feasibility assessment,

Preliminary Design

Internet

Public Briefing Forum

Consensus building processes

Consensus resolution?

NO

Alternative Scheme?

NO

Authority decision-making

Project deferred, enforced,

Detail Design

Internet

Pre-Construction Public Briefing

Local residents

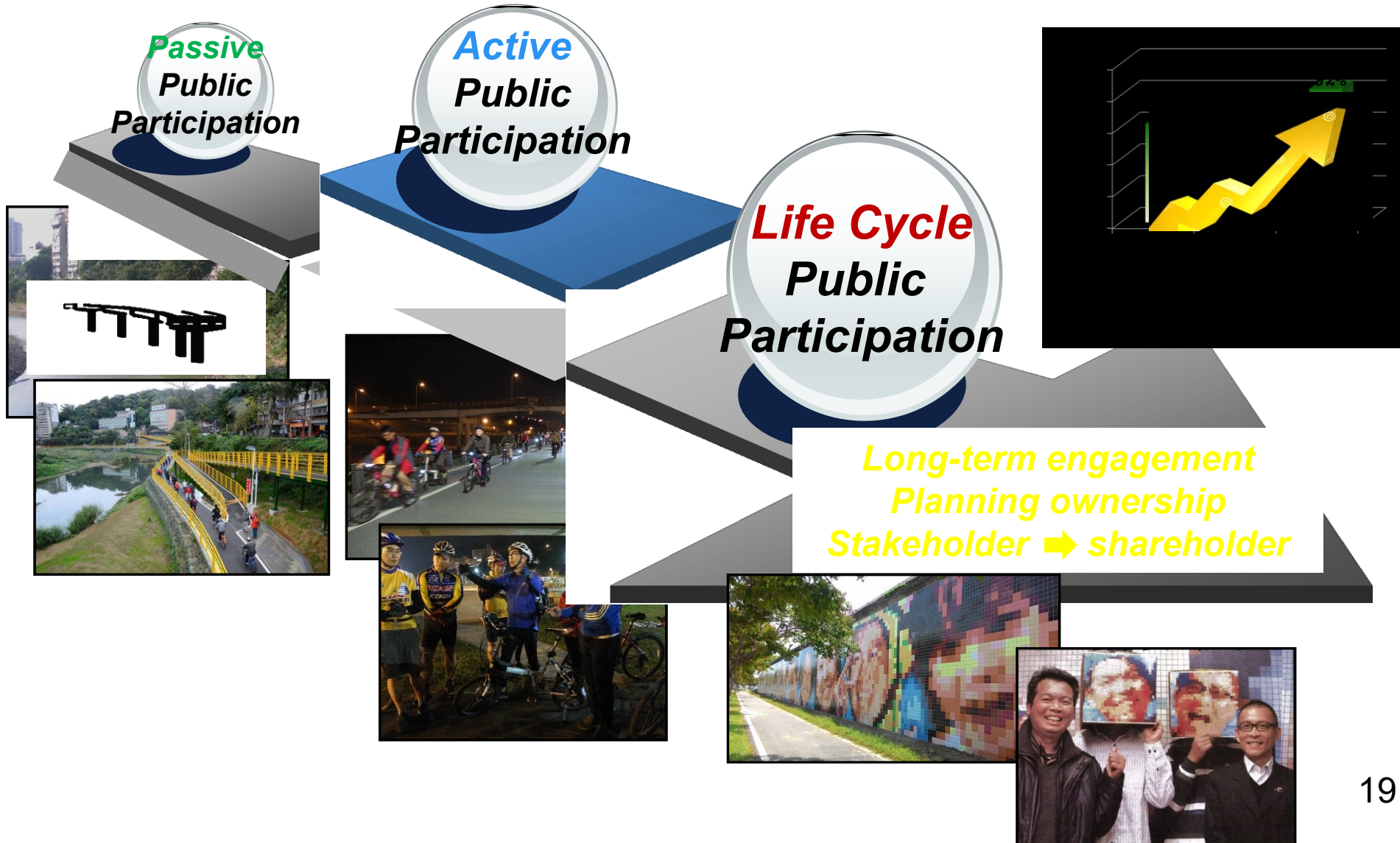
During Construction

Internet, 1999 hotline, construction site real-time video

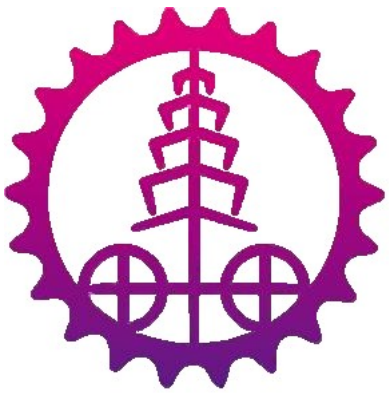
Project Accomplished

Lesson Learned

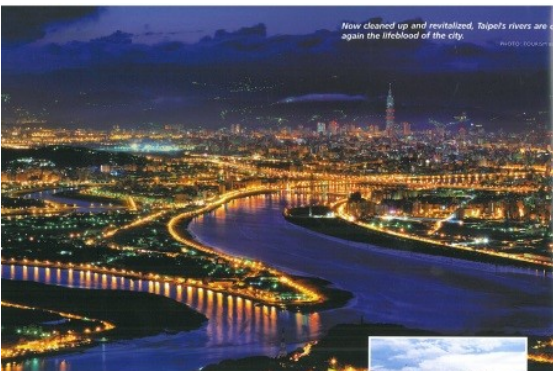
The way of public participation in Taipei is evolved over time:



What are the key principles/elements in a successful public participation procedure/participatory design?

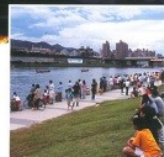


Welcome to Enjoy the Taipei Riverside Bikeway



Now cleaned up and revitalized, Taipei's rivers are once again the lifeblood of the city.

Exploring Taipei's Riversides



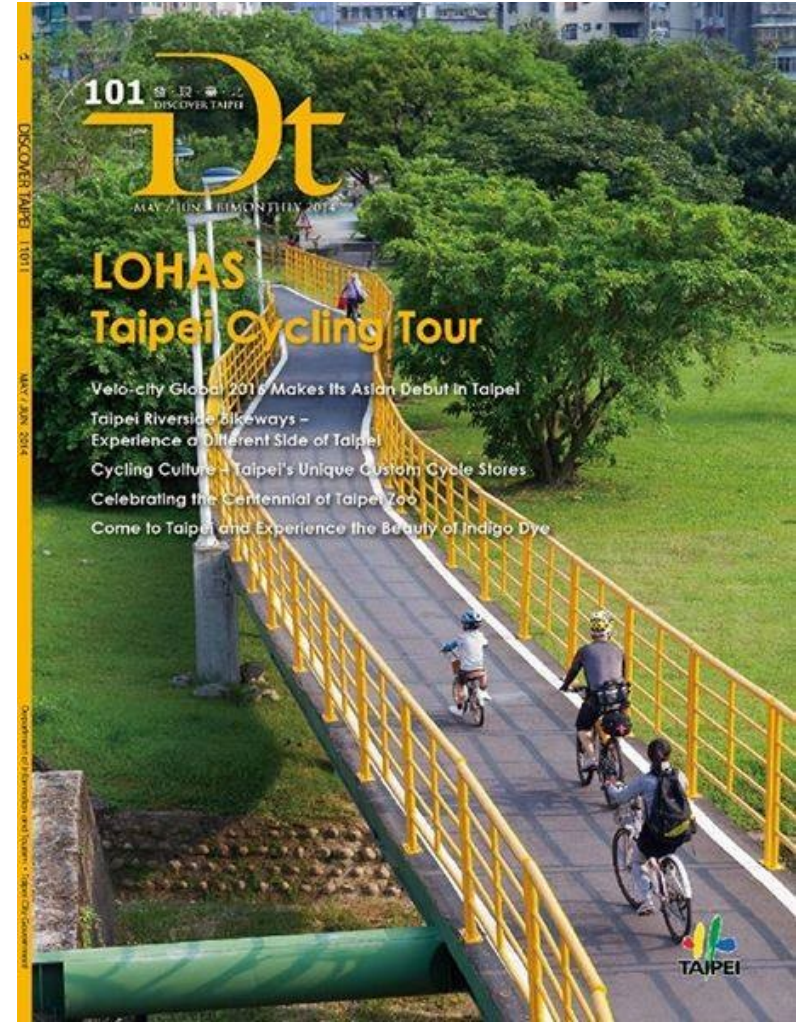
Riverside parks offer an ideal vantage point to observe Taipei's annual Dragon Boat Race along the Keelung River.

Behind the levees, riverfronts offer an oasis of tranquility in the center of greater Taipei.

BY ABRAHAM GERBER

the Dahan, Xindian, and Keelung Rivers. Historically, the city grew up nourished by the commerce that coursed through its maritime arteries — at least until the Tamou River silted up in the late 19th

Tang Hui-Chen, author of the For that sense of separation, she blames



101 發現台北
DISCOVER TAIPEI
Dt
MAY / JUN. BI-MONTHLY 2014

LOHAS Taipei Cycling Tour

Velo-city Global 2014 Makes Its Asian Debut In Taipei
Taipei Riverside Bikeways – Experience a Different Side of Taipei
Cycling Culture – Taipei's Unique Custom Cycle Stores
Celebrating The Centennial of Taipei Zoo
Come to Taipei and Experience the Beauty of Indigo Dye

