REVEAL THE UNSEEN

Retrieving Sense of Place by Public Water Space based on the Former Irrigation System, Ksōkong Tsùn, in Kaohsiung, Taiwan.

Man-Chuan Sandy Lin
A City Raised by Water

Area of Ksôkong Tsûn Irrigation System

Local climate

Watershed of Tam Sui Khe
A City Raised by Water

STORY
Fear

Distant

Intimate

Secession of Cityscape

STORY
"Separation between people and water"
Banal cityscape and the Lost of city identity
Water is not a nightmare, but a place to dream
Traditional water system >>> New Design >>> New Meaning >>> Shape City Identity

STORY | Project Objective
1. Story of Ksôkong Tsûn and Kaohsiung
2. Way To retrieve sense of place
3. Vision Of future lifestyle
4. Reflection and Conclusion
Existing open waterways are still in use to irrigate the agriculture field.

Incomplete separation of sewage and rain water, it affects the water quality. Upper stream’s sewage water could pollutes the lower stream.

Flooding mostly happens in the densely built area where most of the residents live.

Flooding mostly happens in the densely built area where most of the waterway are covered.

Possibility to use green open space and school to adapt flooding water.
Goal of the project

Symbolism
Amenity
Security
Livability
Connectivity
1. Story of Ksôkong Tsûn and Kaohsiung

2. Way To retrieve sense of place

3. Vision Of future lifestyle

4. Reflection and Conclusion
1. **Most flooding affected area:**
The most vulnerable area is the more urgent area to take the intervention. It could result in unfriendly flooding treatment if the amount of flood-water continues to increase by extreme weather.

2. **The most urbanized area:**
The area close to the Kaohsiung port is where the city is mostly transformed into a grid system and lack of locality patterns.

3. **Intensive people’s activity zone:**
To maximize the impact of a newly added public space, the efficient approach is to locate the sites in the area with maximum people’s activity.
Street pattern

Terrain slope
Street pattern  Terrain slope
Water barrier  Water divert

- detention area
- detention road
- divert road
- absorb road
- flooding prone area
- green
- public facility
- open waterway/river
uses larger public area to temporally store flood water
detention road uses major roads, vertical to terrain slope, to collect runoff water from surrounding
/ divert road /
uses parallel major roads to terrain slope, to discharge water when the situation allowed.
/ absorb road /
absorb water directly on site
and provide short distance discharge.
Site 1

URBAN FIELDS
City library
Cultural center
Expo center
Park
A field of cultural social event
From knowledge exchange to social interaction
A theatre of traditional landscape

/ Fall - sunny days /
A field of local ecology
nature as a playground

/ Summer - sunny days /
Site 1 - Urban fields

Summer - Storm days
/ Summer - Storm days /
Brackish/fresh water exchange
Exchange within site
Free flow under south part of the bridge
Discharge of field water, gate close when high tide
Site 1 - Urban fields - water system
Site 1 - Urban fields

VISION - water system

Fresh water

Brackish water
Sowing season: early spring, late summer

Harvest season: early summer, late autumn

Fallow season: winter
After

Inter-sites: Connection Road profile
Type A. Resting bench

Type B. Walkway with parking

Type C. Simple walkway

Type D. Bus stop
Inter-sites: Connection Road profile
Site II: Aqua-grid community: water form
Water playground

Site II: Aqua-grid community

VISION
VISION | Site II: Aqua-grid community

/ DRY season /
VISION | Site II: Aqua-grid community

RAIN season
VISION | Site II: Aqua-grid community- water system

/ DRY season /
Site II: Aqua-grid community- water system
Site II: Aqua-grid community - water system
Water is the medium between people and place; a medium for thoughts, stories, memories to attach to; and a symbol of collective identity.
THANK YOU.