CITY SCALE OF BARCELONA

PROBLEM SEEKING
- Tourism
- Crowded
- Land Use
- Local Residences
- Noise
- Dead Water Pond
- Heat Wave
- Urban Runoff
- Fence

PROBLEM FRAME
- Infrastructure
  - Streets, Neighbors, local ecology system
  - Water infiltration, reduce CO2 emission
- Public Space
  - Balance between local and tourists
  - Land use, open green space

CONCEPT SOLUTION
- Improve green open space
- Create a calm area
- Improve water quality
- Multi-function space
- Improve circulation
- Cooling system
- Rain garden
- Culture Heritage

Mediterranean Sea

Blue & green infrastructure system
Old city
Tourist route
Future city center

Site
Future City Center
Old City
Hospital de Sant Pau
Over **10,000** visitors daily. The **most visited** tourists attraction in Barcelona.
**EXISTING CONCERN**

- **Sagrada Familia**
  - Why do I need to turn to see the Facade?
  - I almost slipped.

- **Marina Street**
  - I wish this place could be more quiet.
  - The fence helps keep the tourists away.

- **Local Vs. Tourists**
  - I feel uncomfortable to stand here.

- **Overcrowed**
  - I need a better space to enjoy the facade.
  - Pond smelly

- **Underutilize Space**
  - I need a better space to enjoy the facade.

- **I wish this place could be more quiet.**
  - The fence helps keep the tourists away.
**BRIDGE FUNCTIONS**

- Terrace-sight of Facade
- Major Circulation & Resting Area
- Noise Canceling Fence
- Preserved Trees Location

**PROGRAM**

1. Sagrada Familia Entrance
2. Bridge
3. Under Bridge Terrace
4. Pavilion & Metro
5. Green Streetscape
6. Meadow Pond
7. Sensory Garden
8. Local Plaza

**PONTIFF**

Pope Church Connection

**PONT** (Latin)

Path finder
Multiple layers
Linkage

**BRIDGE**

To provide an Ascending Experience

**BRIDGE LINKAGE**
Two important points link the visitors from metro and Marina Street to church. The distance is 30m long. 7m elevation changes from those 2 points creates a 120m long bridge to meet ADA access with 8.3% slope. Extra 30m extension of bridge aims to preserve existing canopy trees and provide resting area to view the facade.

To create a better visiting experience
Re-utilized Marina Street works as the extension of the garden. Multi-functional movable planting bed with sitting area equipment allows an increase of sitting area on site.

Under Bridge Terrace Plaza Functions

- Echo
- Integrate Local and Tourists
- Shelter From the Rain
- Lighting

Sky Terrace

Provides the best spot for taking photos, and the voice cancelling fence helps to reduce noise, so that people have a chance to sit down and observe the detail of the façade.

Terrace Plaza

- Terrace Seating 0.4 meters
- Stepping Stones 0.3 meters

Local Garden
The bridge improves the tourists visiting experience, creates an ascending experience, and reduces the traffic congestion situation. Meanwhile, the terrace provides a better place to take pictures and people can appreciate the majestic facade craft.

**BRIDGE TERRACE**

The under bridge plaza expands the public activity space by different user groups, such as local residents and tourists.

**UNDER BRIDGE PLAZA**
PLANTING PALETTE

Native Trees

Olive Tree (Olea europaea)
Holm Oak (Queracus ilex)
Aleppo Pine (Pinus halepensis)
Cherry Tree (Prunus avium)
White Mulberry Tree (Morus alba)
Bassassu (Attalea speciosa)

Shrubs

Cherry Laurels (Prunus laurocerasus), Evergreen Spindle (Euonymus japonicus)
Lavanda (Lavanda officinalis)
Rosemary (Rosmarinus officinalis)
Elmleaf blackberries (Rubus ulmifolius)
Butcher’s-broom fruit (Ruscus aculeatus)

Fauna

European robin
Cleopatra butterfly
Eurasian blackcaps
Sardinian Warbler
Common Chiffchaff