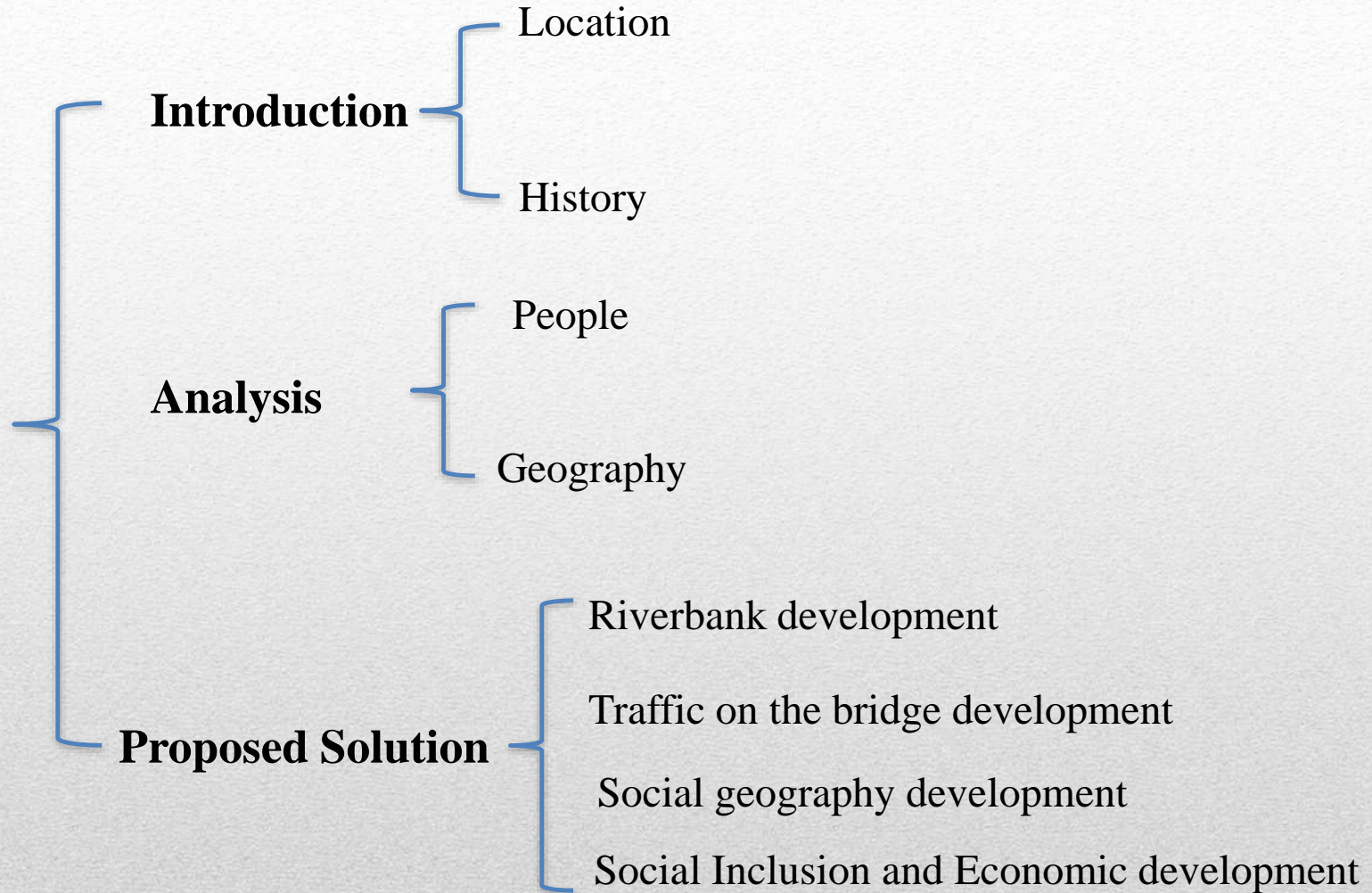


# Sustainable Urban *Development*



## *Our team:*

- *Janis Balodis*
  - *Marco Canonico*
  - *Michel Croisille*
  - *Devralin Lagos*
  - *Yangxiao Ou*
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# Framework Overview

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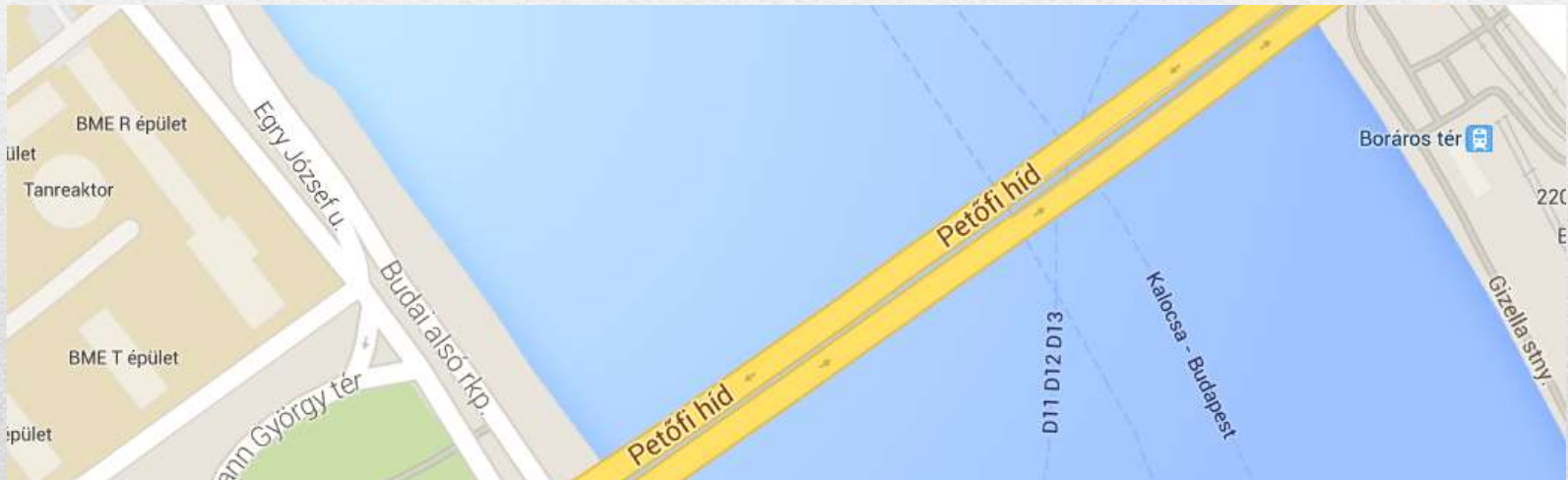


# Introduction

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The overview of Petöfi Bridge in 1945



The overview of Petöfi Bridge now

# Petöfi Bridge — History VS. Now

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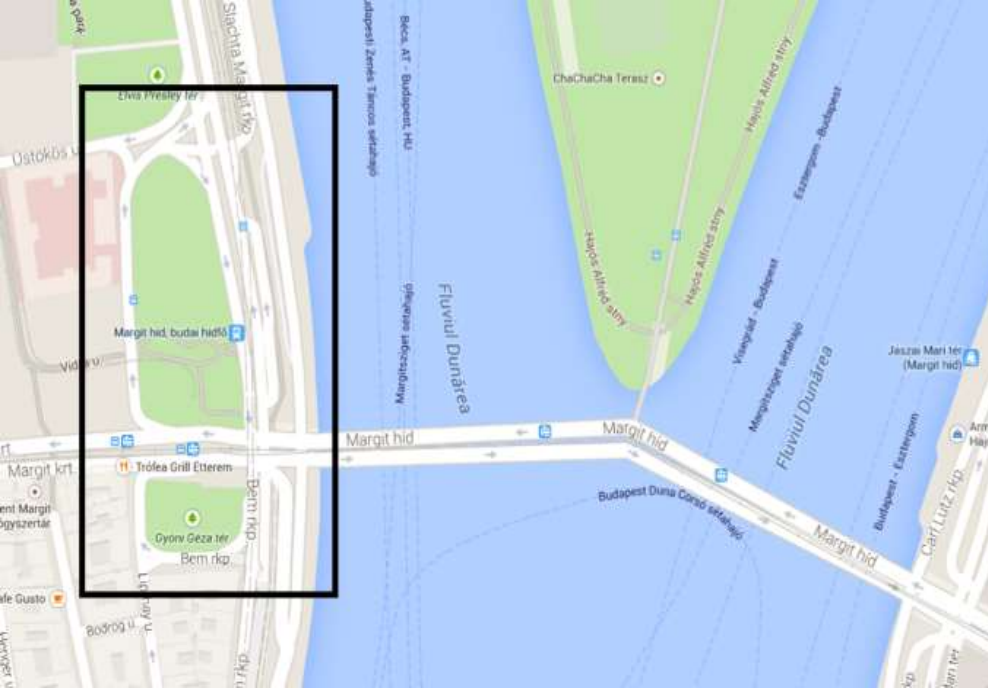


The overview of Margit Bridge in 1885

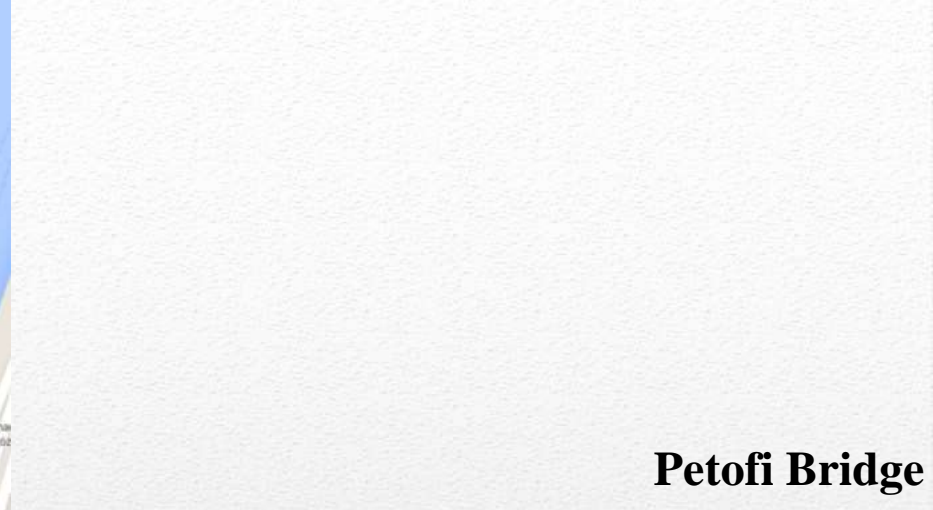
The overview of Margit Bridge now



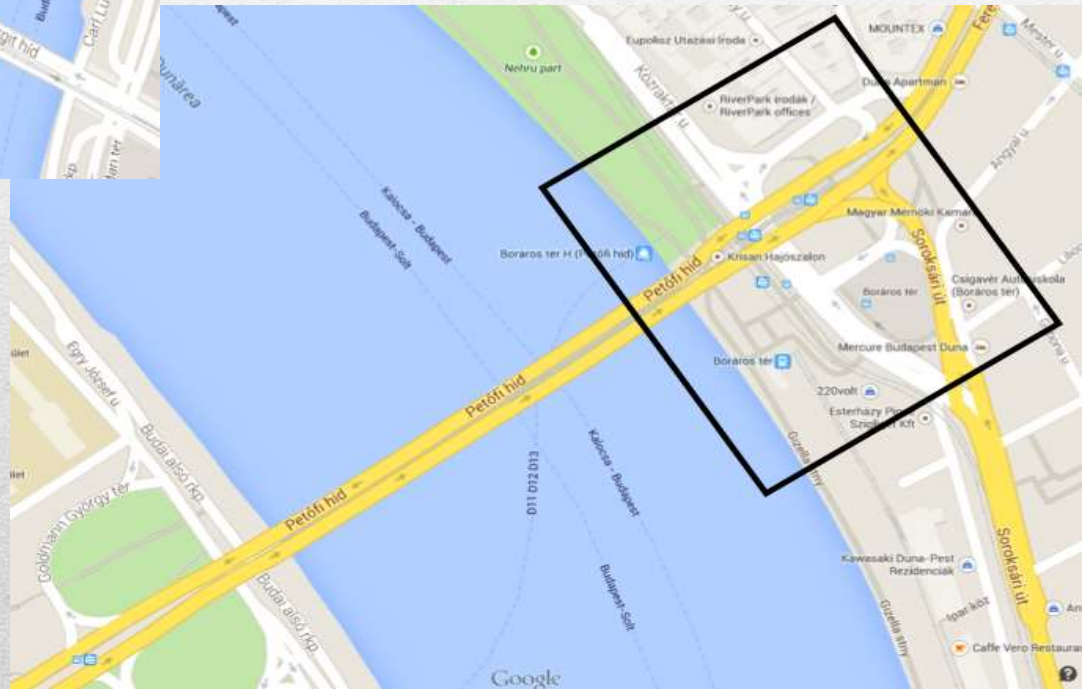
# Margit Bridge — History VS. Now



**Margit Bridge**



**Petofi Bridge**



**Two project sites**



# Analysis

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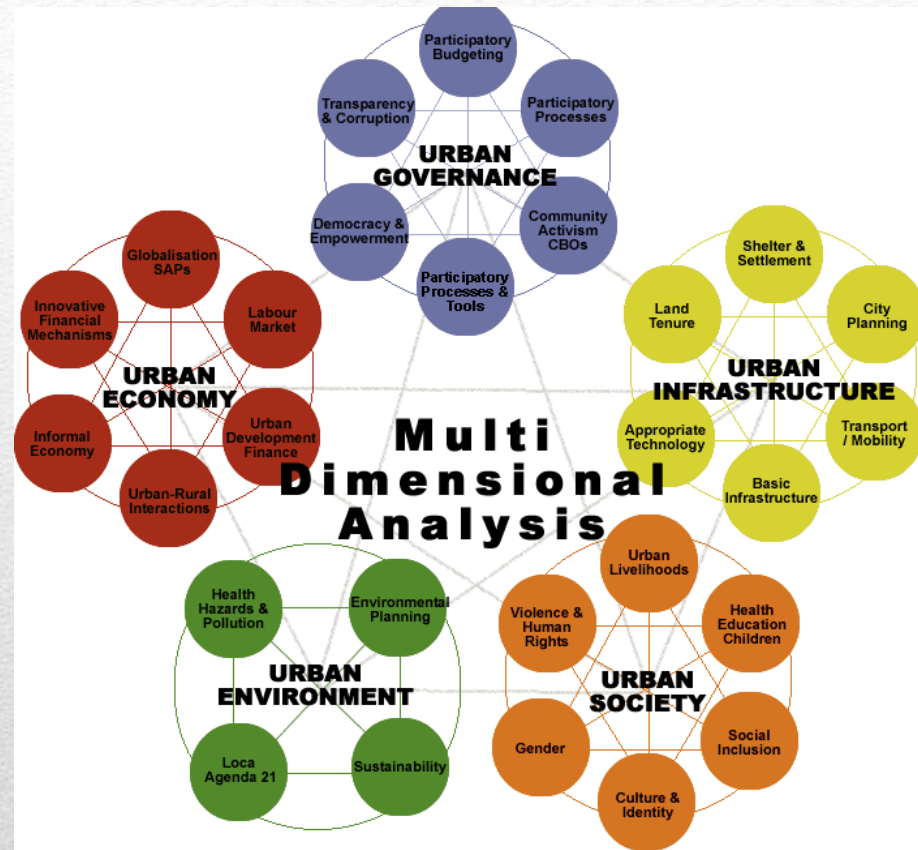
- <https://www.youtube.com/watch?v=QGJuMBdaqIw>
-

## People

- Social groups
- Economic activities
- Safety, security
- Housing (homelessness)
- work

## Geographical space

- Aesthetics
- Infrastructure
- Transportation
- Light, sound, water



# Aspects of Urban Development

- Traffic
- Mobility
- Connectivity
- Use of public spaces
- Sustainability
- Social cohesiveness
- People-nature connection
- Work-home distance

## **Important Links (People-Geographical space)**

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# SWOT

## Strength

1. Various bridge usage
2. Less traffic jams in non-peak time
3. Transportation connections
4. Disaster prevent
5. More Public spaces
6. Improvement of social cohesiveness

## Weakness

1. Heavy traffic load during peak hours
2. No bicycle lane in Petofi bridge, no walkways/pathways in the riverbank near Margaret bridge
3. Not enough public spaces
4. homelessness, informal economy (vendors), suicide incident in Margaret bridge
5. People-nature connection- limited possibility for people to enjoy the river

## Opportunity

1. Cultural development
2. Economic prosperous
3. Utilize existing space
4. Sustainability realization

## Threat

1. Flooding
2. Limited Funding
3. Limited welfare/social services

Internal factors

External factors

Positive

Negative



# Proposed Development

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Riverbank  
development

Traffic on the  
bridge development

Social geography  
development

Social Inclusion and  
Economic  
development

# Content

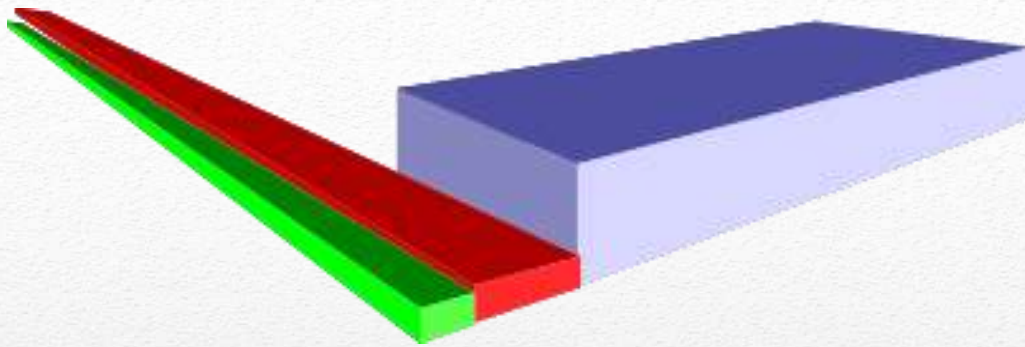
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### Aims:

- To create an easy access between people and the river
- To create an attractive and flood-resistant installation

# Development for Riverbank



Street



Pedestrian way

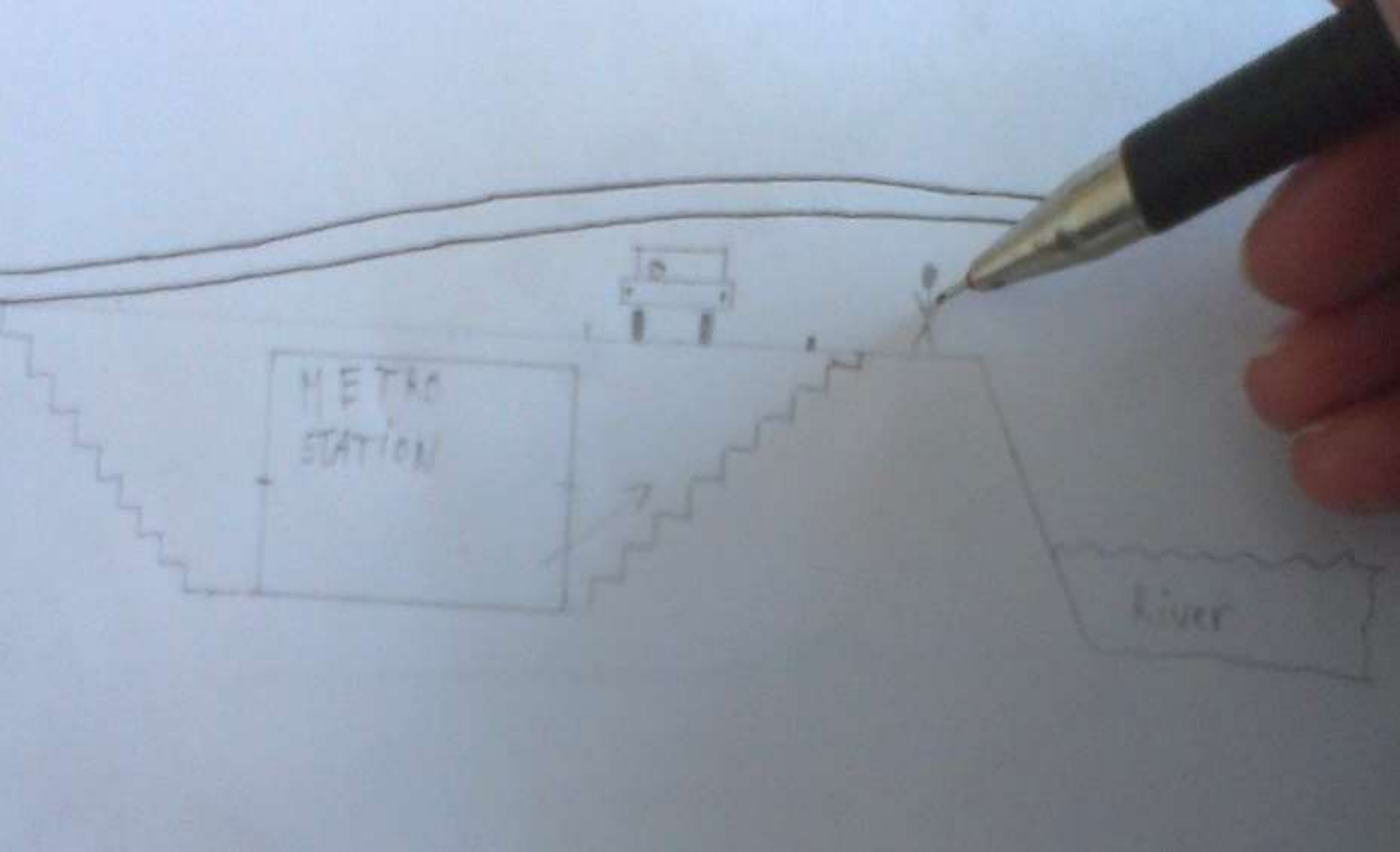


Metro station

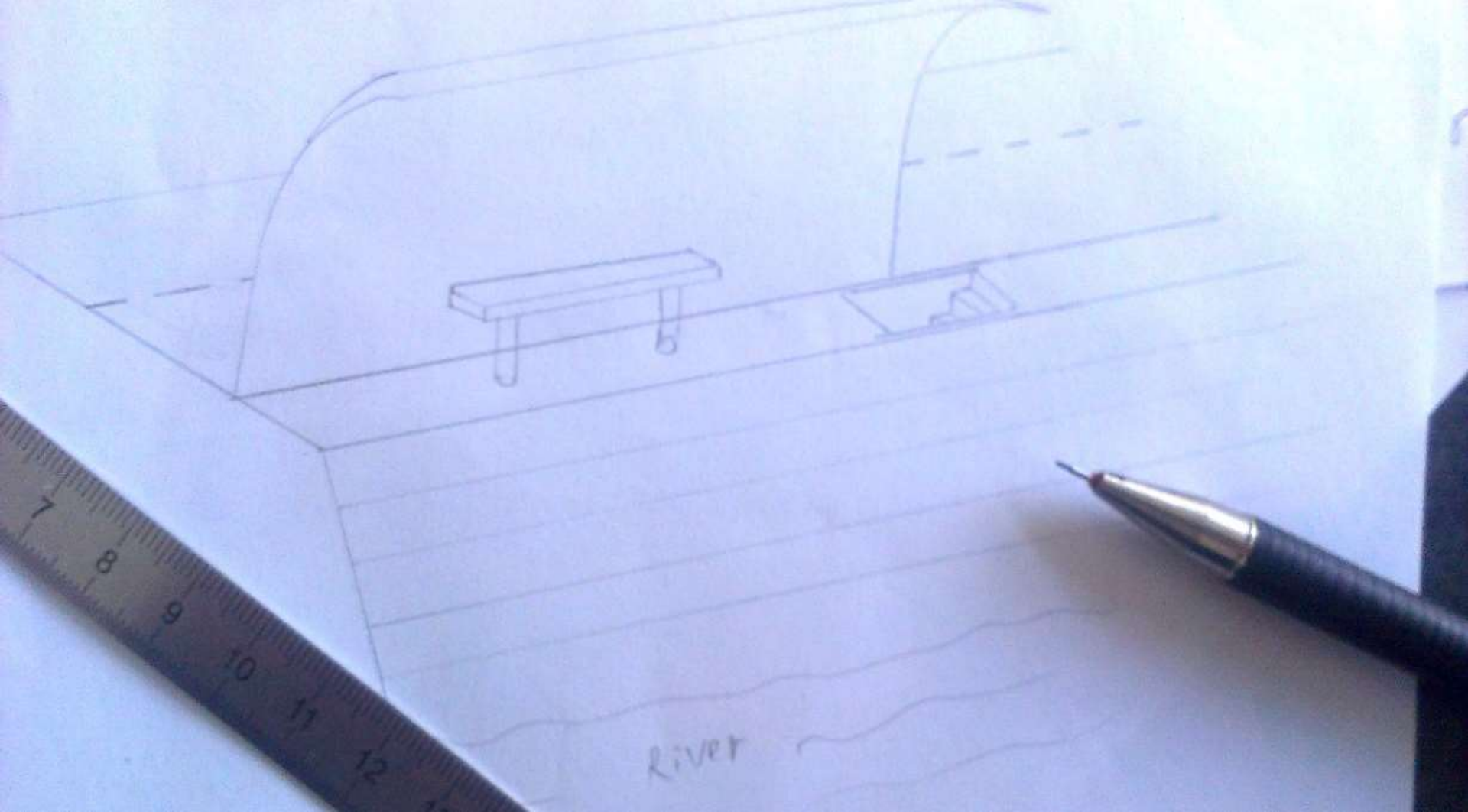


# Overview





## Location Sketch



## **Structure Sketch**

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**Physical structure**





## Problem

*Traffic jams occurs frequently on the bridge, extremely on peak hours*

--To improve the traffic capacity

**Development for the  
traffic on the bridge**

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Smart Working could enables people to enjoy flexibility in working location

Work at Home

Mobile Work

Work at Smart Work Center

**Proposed Solution**



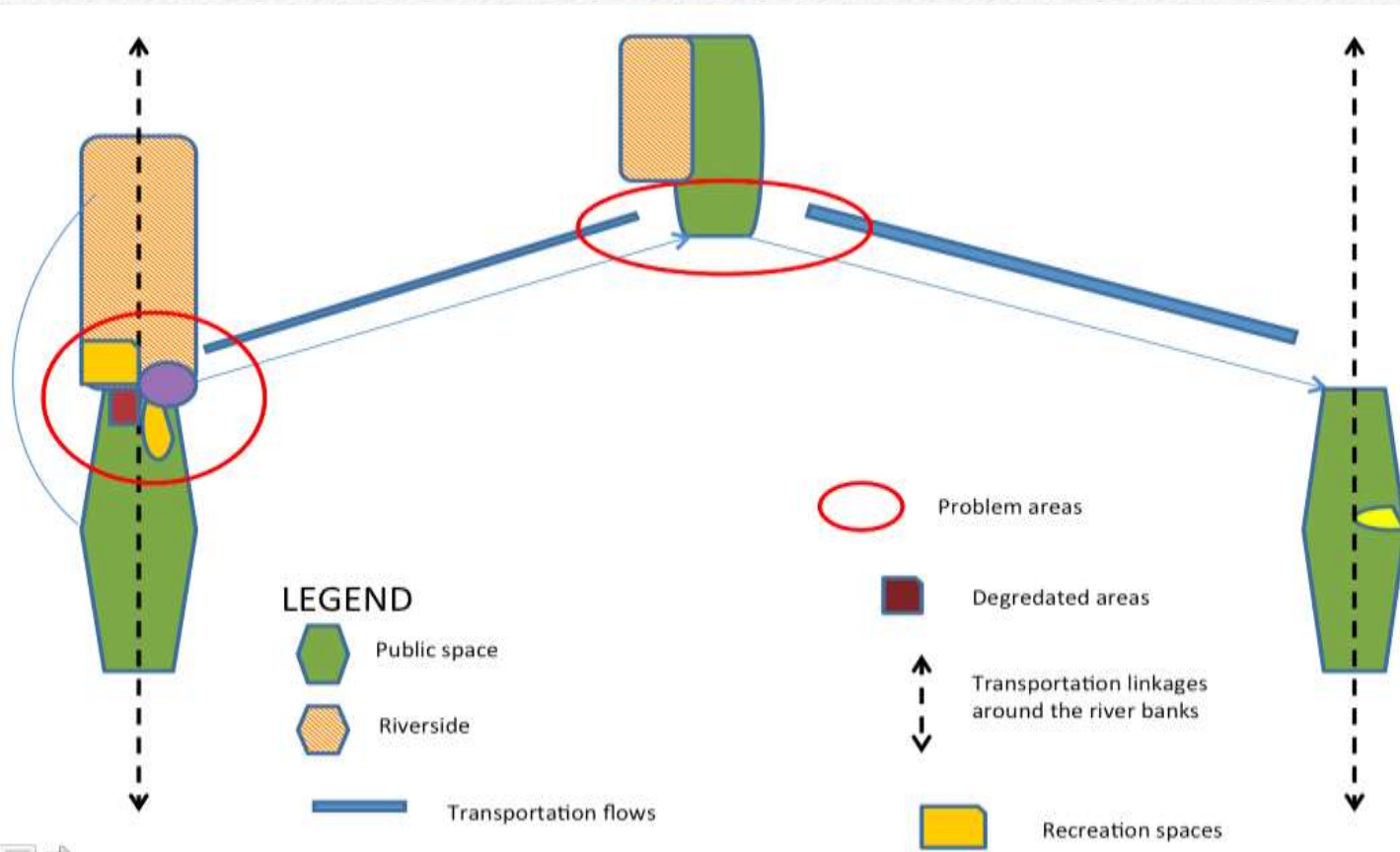
*---To utilize the space around the bridges.*

# **Social Geography development**

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# Current Problem:

*Spatial element for Margit bridge location*



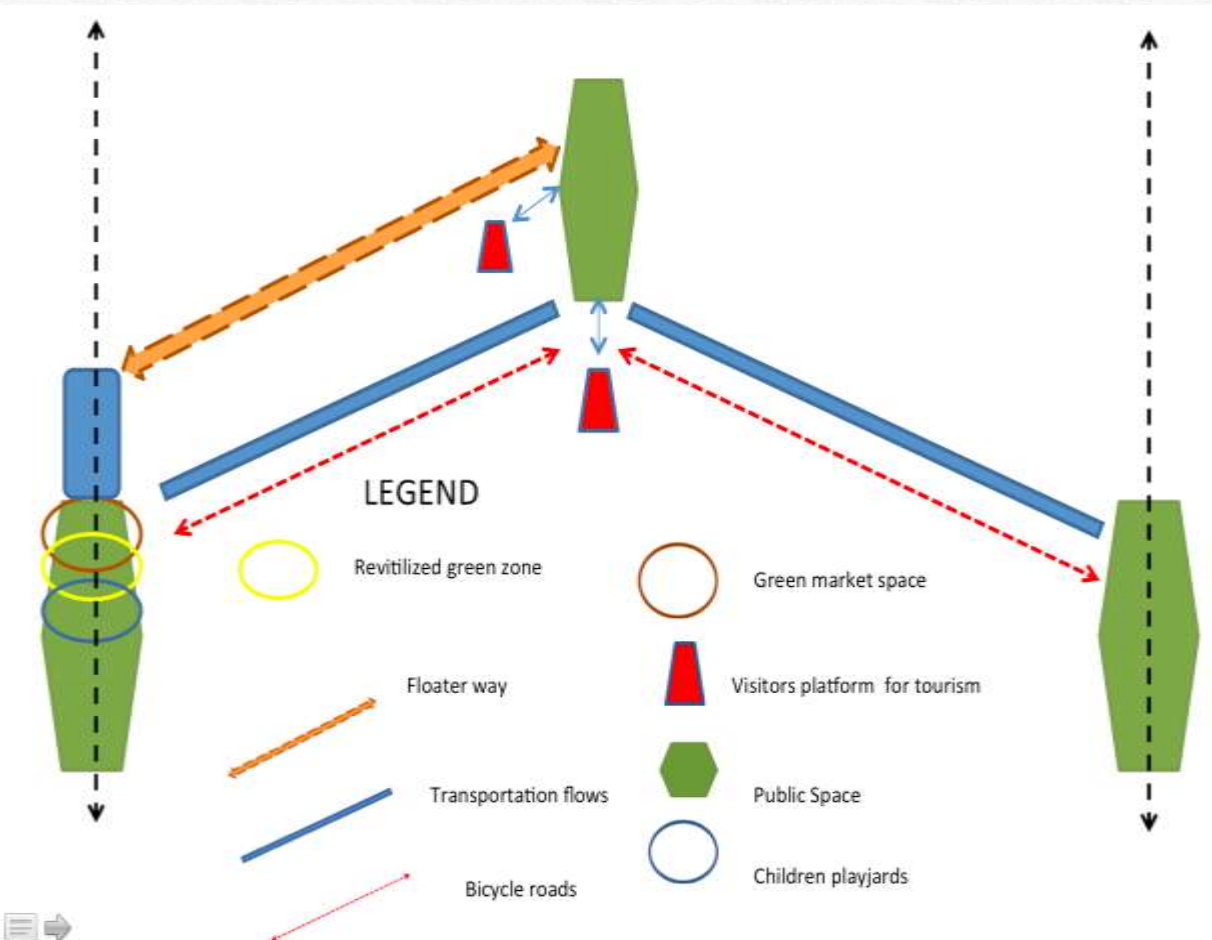
Point 1:  
Lots of degraded areas

Point 2:  
Under utilized space

**For Margit Bridge**

# Our Solution:

## Spatial planning for Margit bridge



Solution for point 1:  
Children playground/green zone/  
Green market

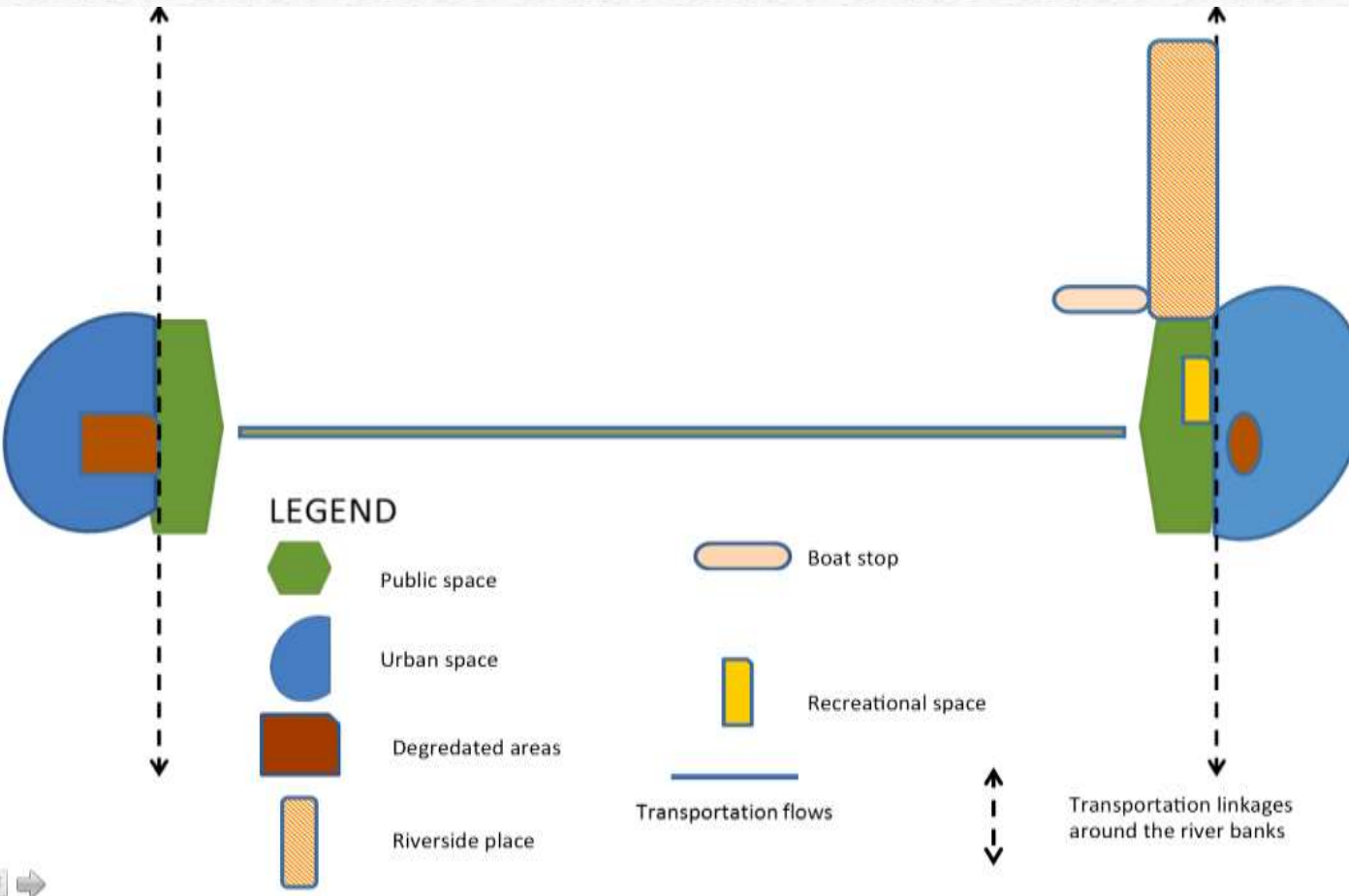
Solution for point 2:  
Visitors platform

**For Margit Bridge**



# Current Problem:

## *Spatial element for Petofi bridge location*



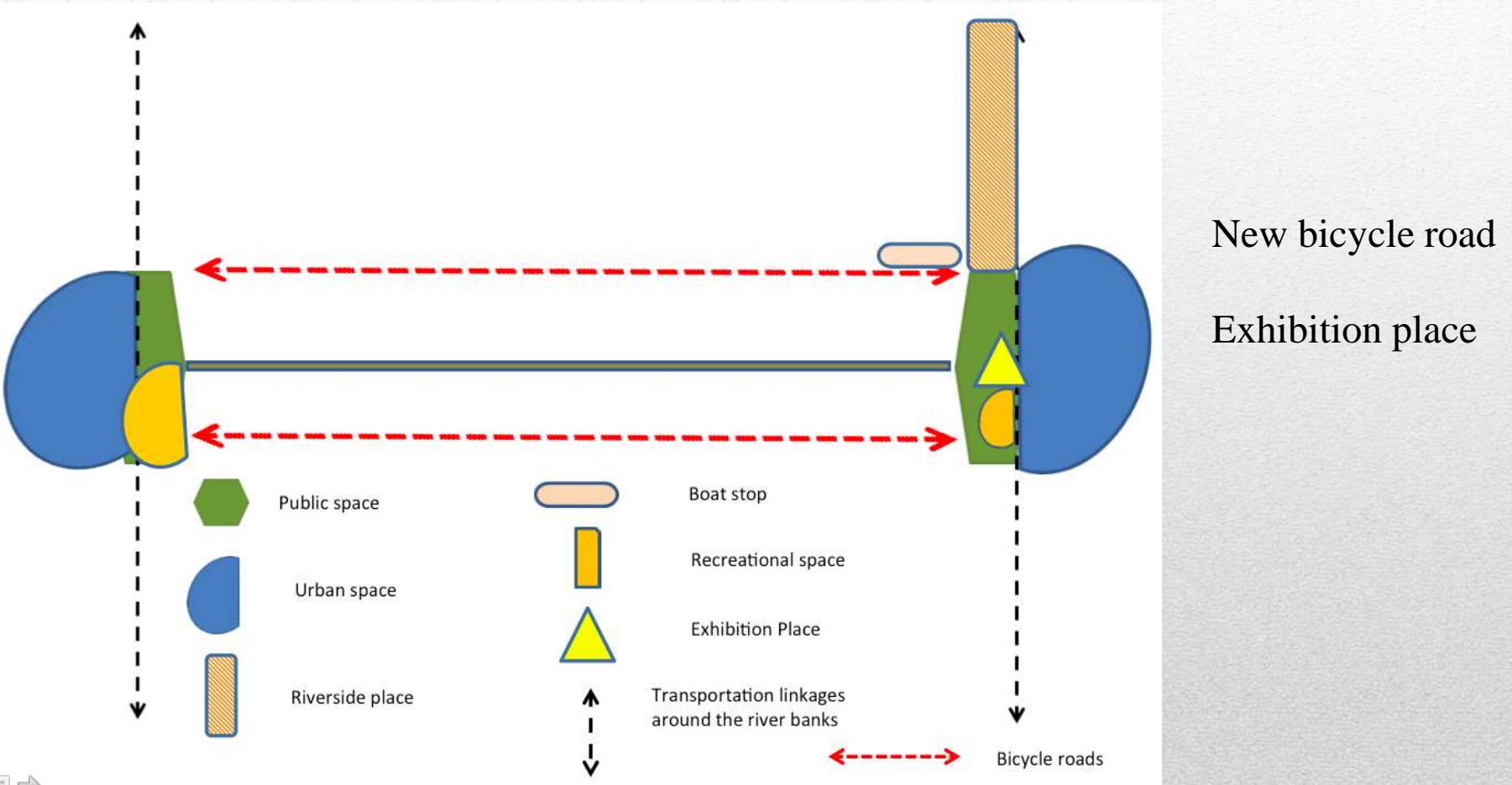
Some depredated space

No bicycle road

# For Petofi Bridge

# Our Solution:

## Spatial planning for Petofi bridge



# For Petofi Bridge



*Problems:*

Homelessness

Informal economy

Persons with disability

# **Social Inclusion and Economic development**

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## Assistance to informal economy

- Credit assistance
- Semi-formalized economic structures
- Increase Business areas

## Social Inclusion

- Ensure PWD-friendly infrastructures
- Continued lobbying for affordable housing and other social services
- Mobilizing and organizing homeless people (The City is For All organization, etc.)

## *Solution*

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- Thanks for your attention!!