# Harmony of Human and Nature

Part 2

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23rd Oct. 2023



Context: Krems, Wachau, Donau Krems an der Donau der Donau-Traismauer Herzogenburg Melk Pochlam St. Polten

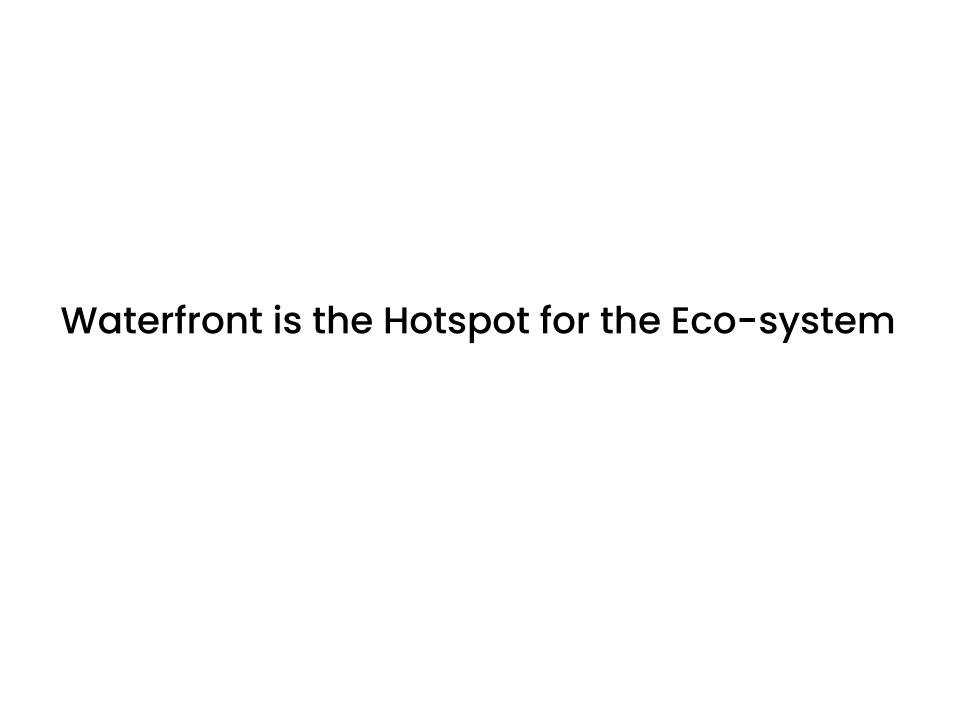
Context: Krems, Wachau, Donau Krems an der Donau UNESCO World H<mark>eritage</mark> Wachau Cultur<mark>al Landscape</mark> Traismauer Herzogenburg Pochlam











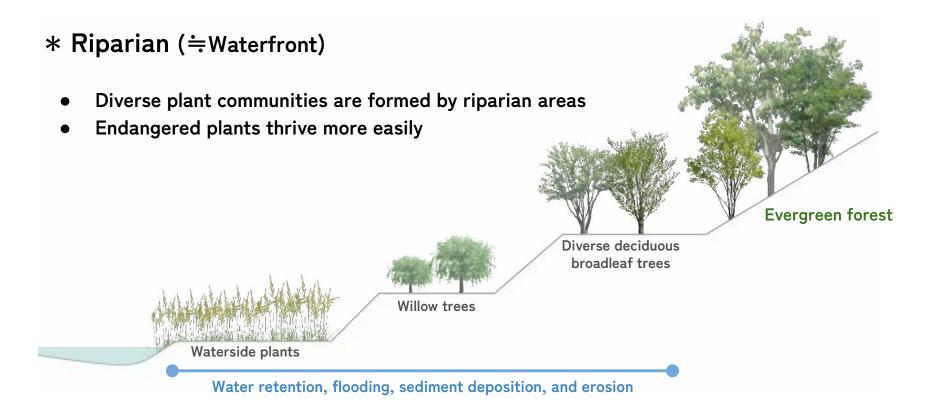








## Waterfront is the Hotspot for the Eco-system



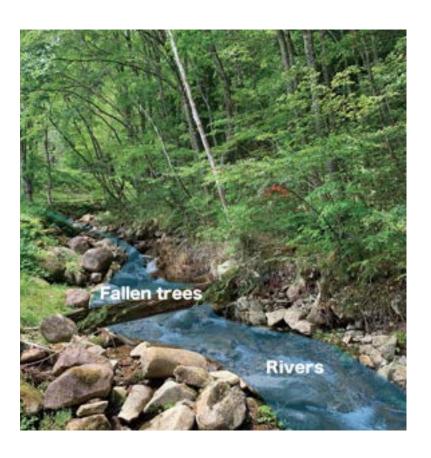
#### \* Riparian forests become ecological corridors

- Continuous riverside forests become migration corridors for wildlife
- They serve as corridors for the transportation of plant seeds by wildlife

## Waterfront is the Hotspot for the Eco-system

\* Riparian (≒Waterfront) Buffer Strip

can have effects on the downstream area.



#### **Fallen Trees**

- Make complexity in river topography
  - → feeding, shelter, and spawning areas for fishes

#### **Fallen Leaves**

- Serves as food for aquatic life
- · Insects fall into the water, becoming a food

#### The food chain and the flow of water

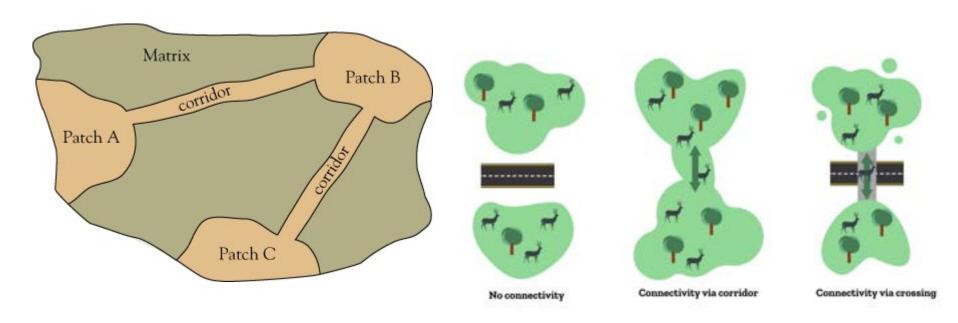
Influence downstream areas of the river

Rivers supply organic matter to the sea

= Forests are the lovers of the sea

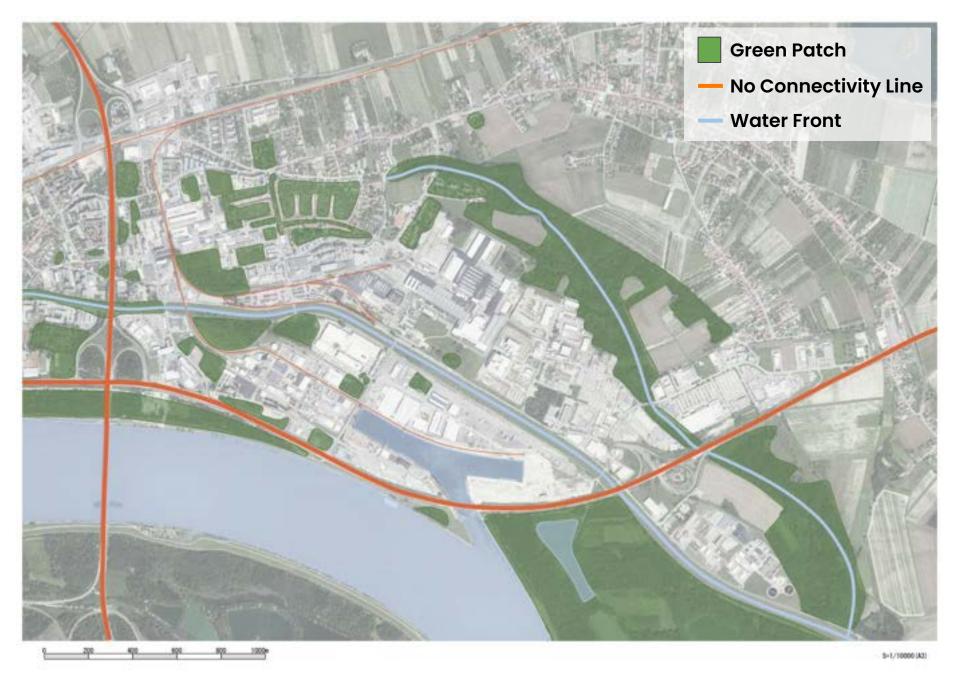
## Green Corridor / Net work for the Eco-System

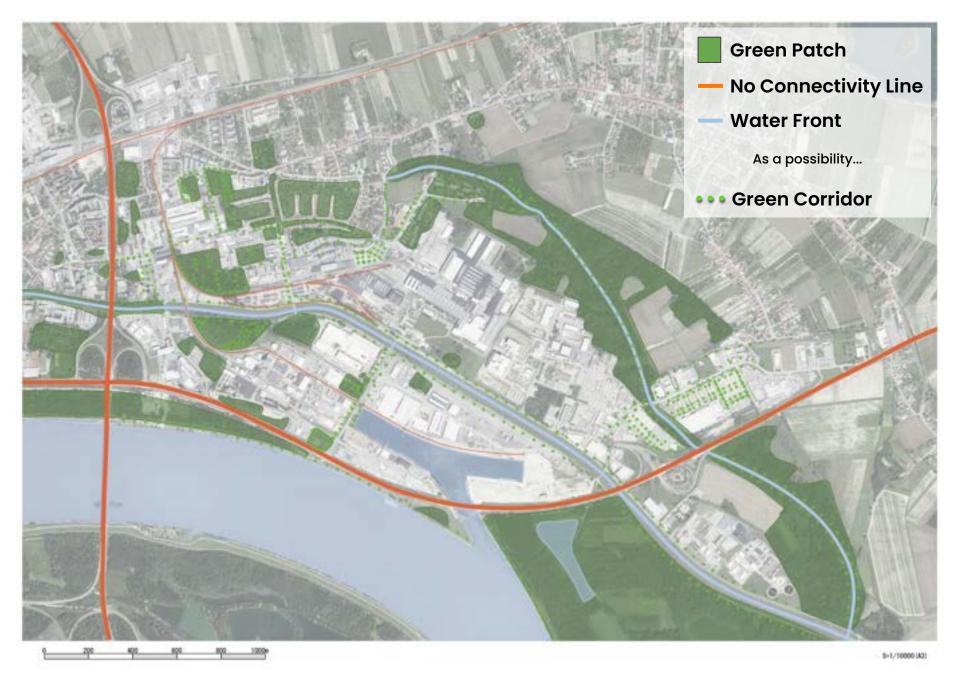
#### \* Green corridor

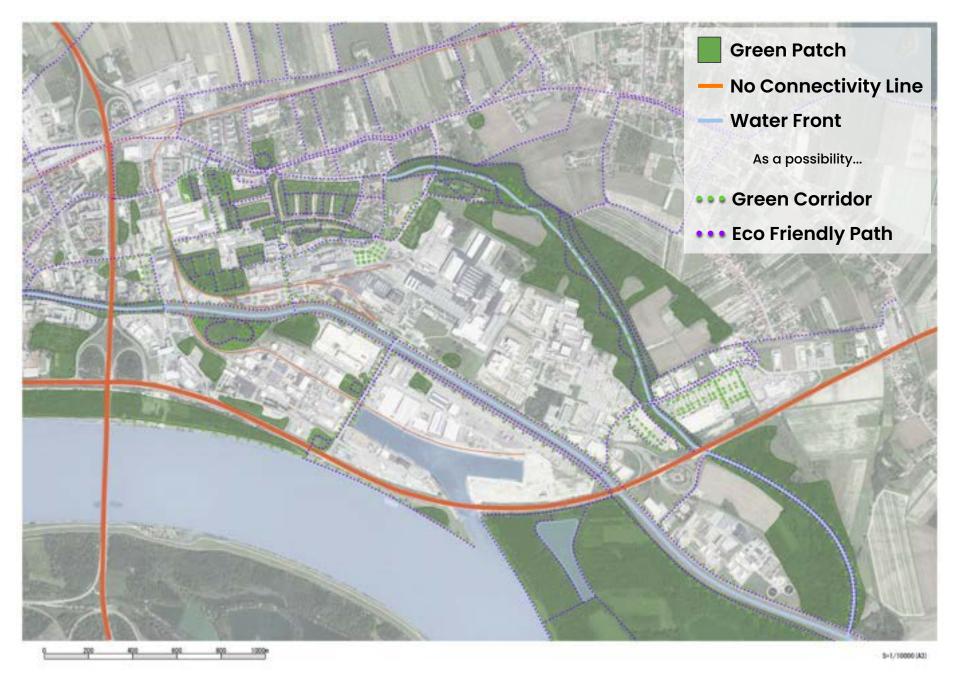


https://blogs.stlawu.edu/conservationbiologyconceptnotebook/?p=204

https://largelandscapes.org/news/corridorvscrossing/







### **Green Infrastructure**

- \* Green ingrastructure is a type of water management practices in urban areas.
- \* Roadside plantings, absorbent gardens, rooftop gardens, etc.







## What's the "Eco-system Services"?

### **Provisioning Service**

<u>Products</u> humans obtain from ecosystems

> Food Water Fuel Fiber Chemicals Gene

### **Regulating Service**

Services nature provides that <u>regulate</u> the environment

Air Quality
Climate
Water purification
Disease control
Flood control
Detoxification
:

#### **Cultural Service**

Non-material benefits of nature for humans

Recreation, Tourism
Aesthetic, Beauty
Idea
Education
Mental, Physical Health
Symbol
:

### **Supporting Service**

The underpinning services

that enable all other services to function - encompasses both human and ecosystem needs

Soil formation · Mineral cycling · Primary production...

**Biodiversity** 

## "Place making"?

Space to Place











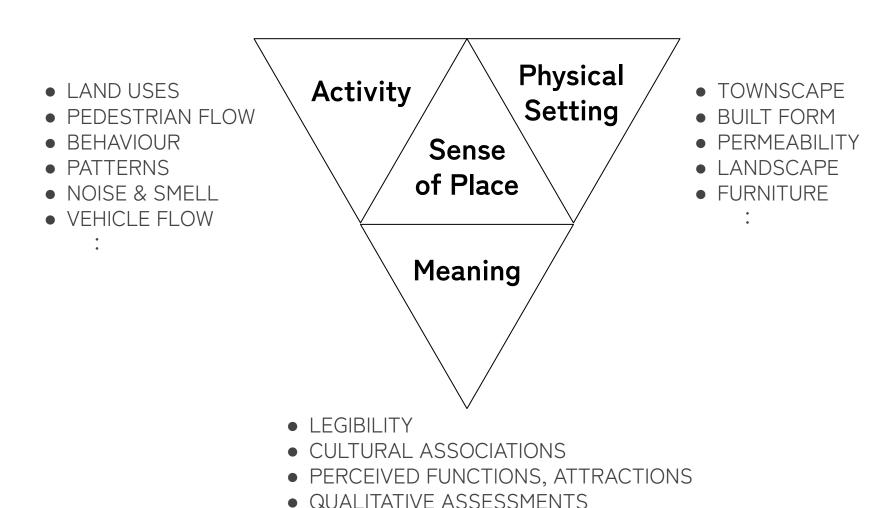




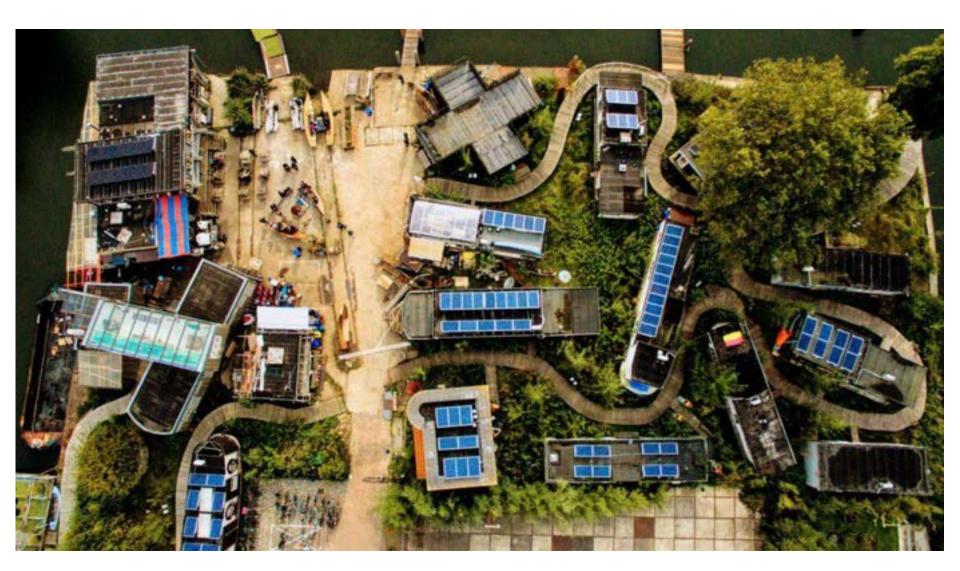




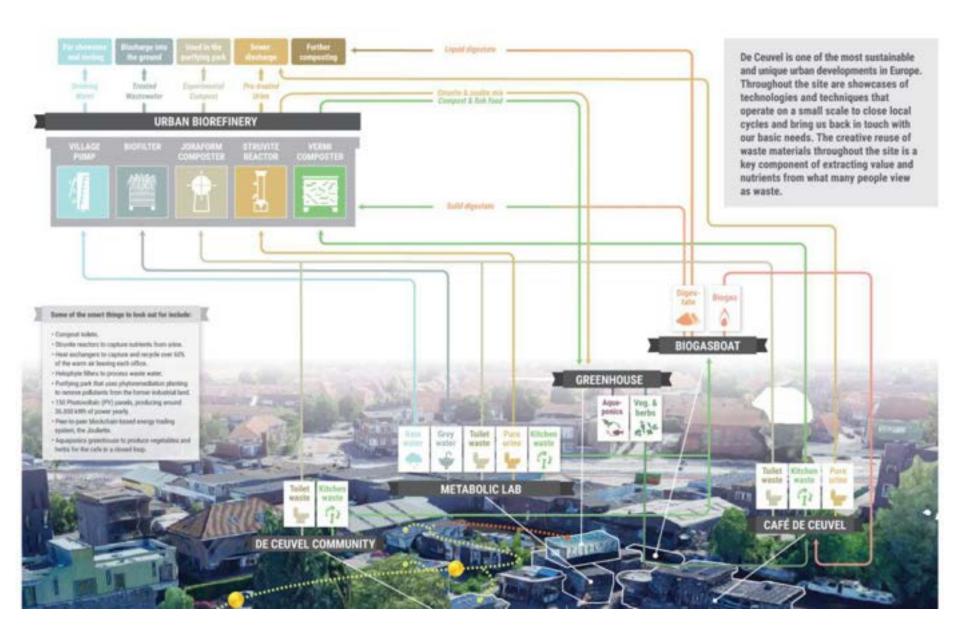
## Concept of the "Place making"



# De Ceuvel / Amsterdam, Nederland



"We call De Ceuvel <u>a Cleantech Playground</u>. The concept was developed to stimulate new ways of thinking about how we manage resources in our communities."



"De Ceuvel is An experiment in which we make sustainability creative, accessible and fun for everyone."













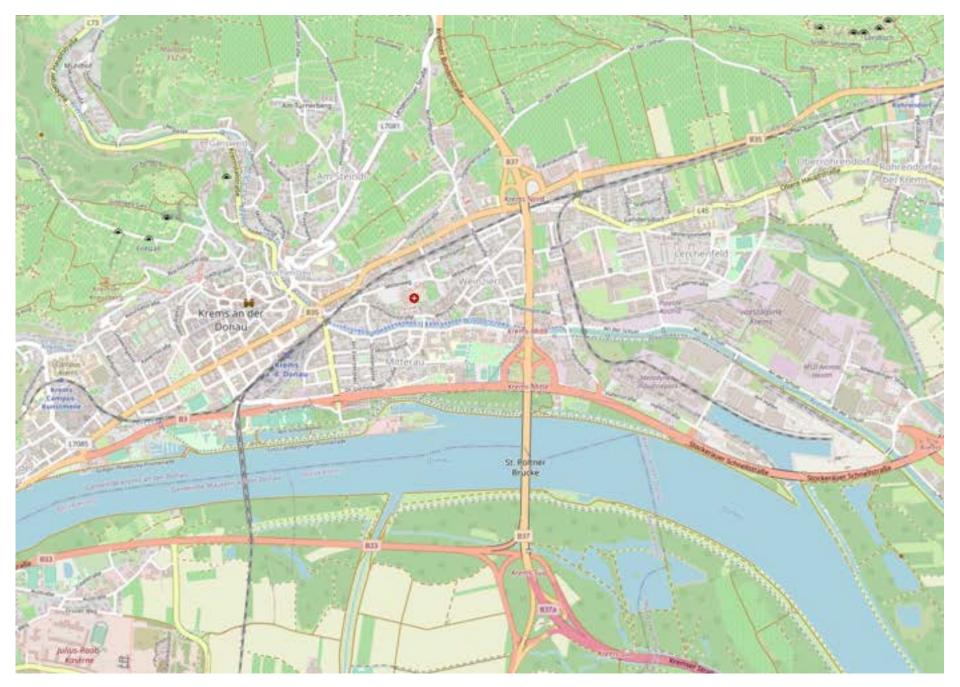
# Development and Change



1869-1887 Habsburgermonarchie - Franzisco-Josephinische Landesaufnahme







**Present** 

## Living Heritage with Lively Gardens





















## **Connection and Disconnection**









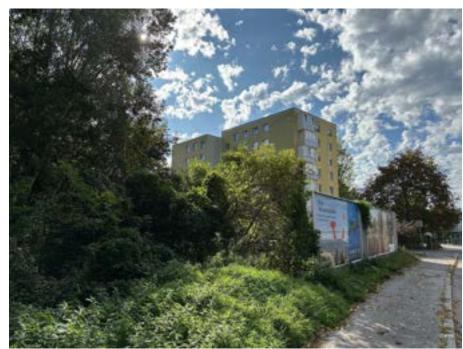




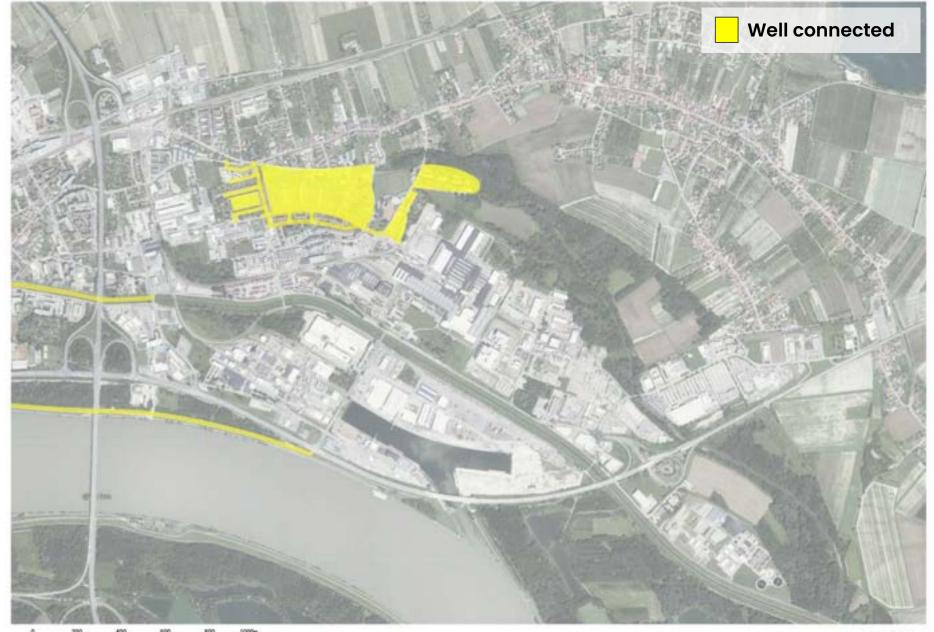


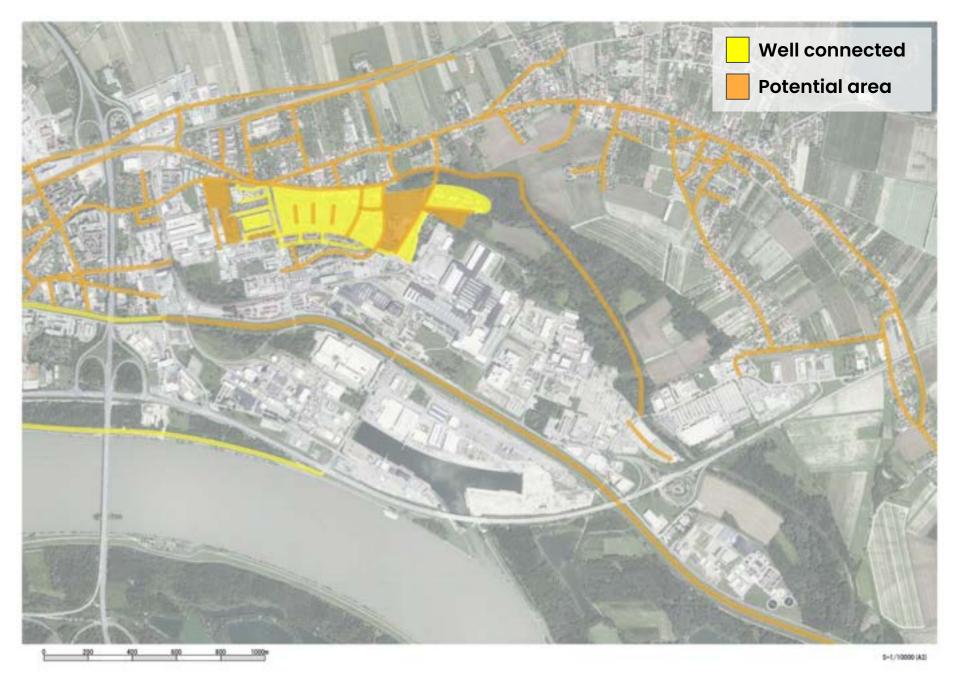


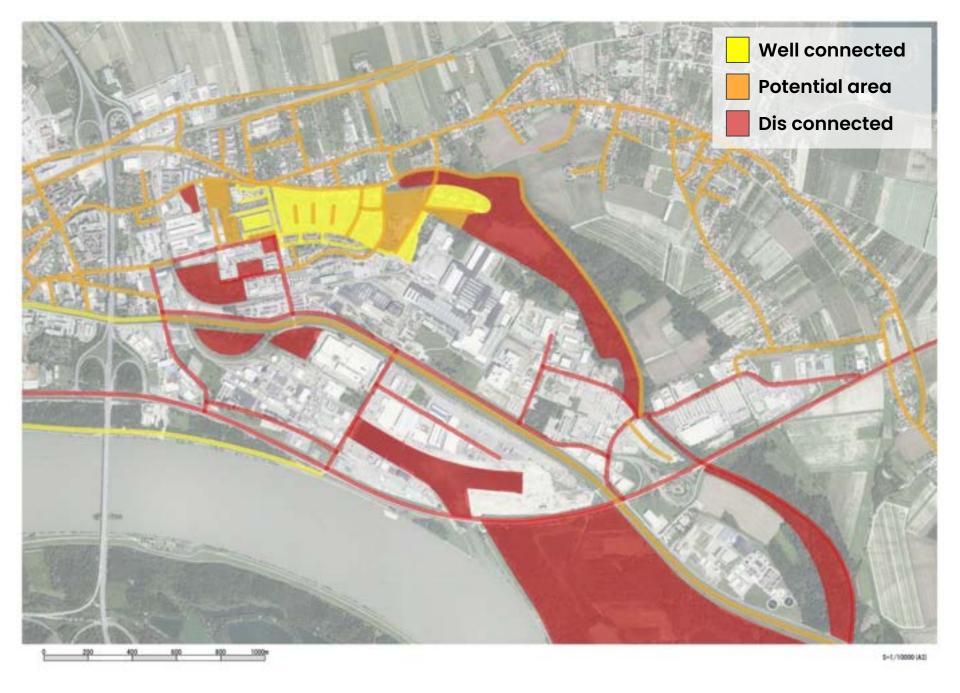


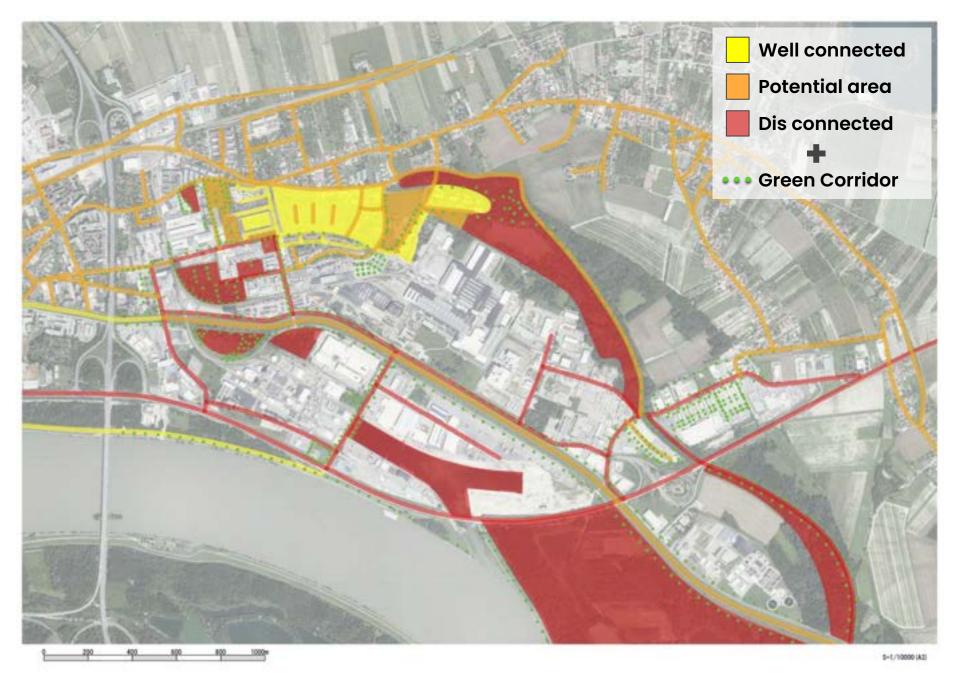


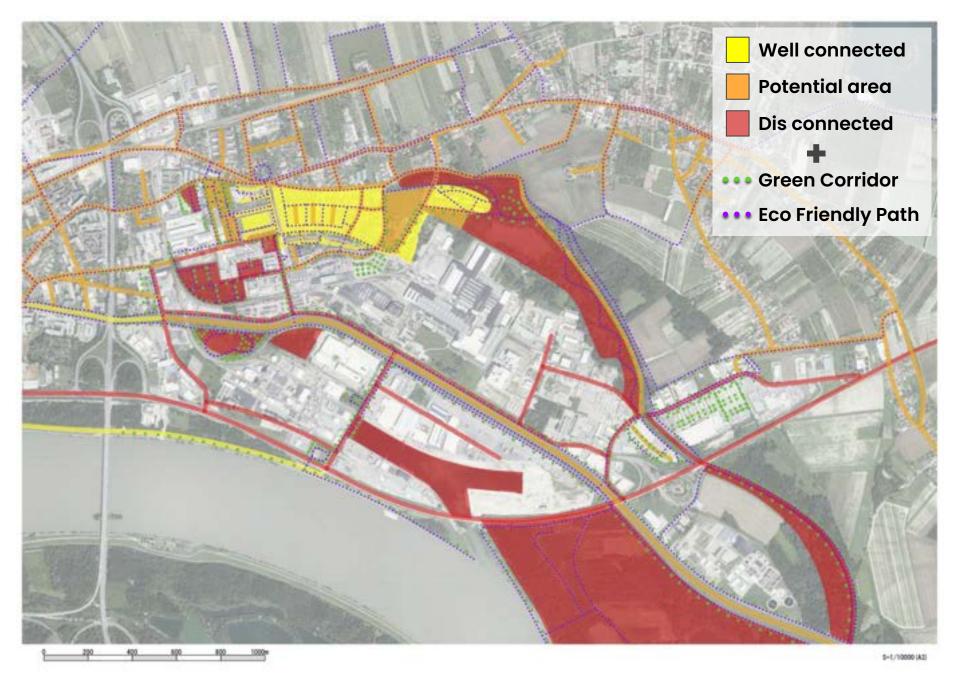


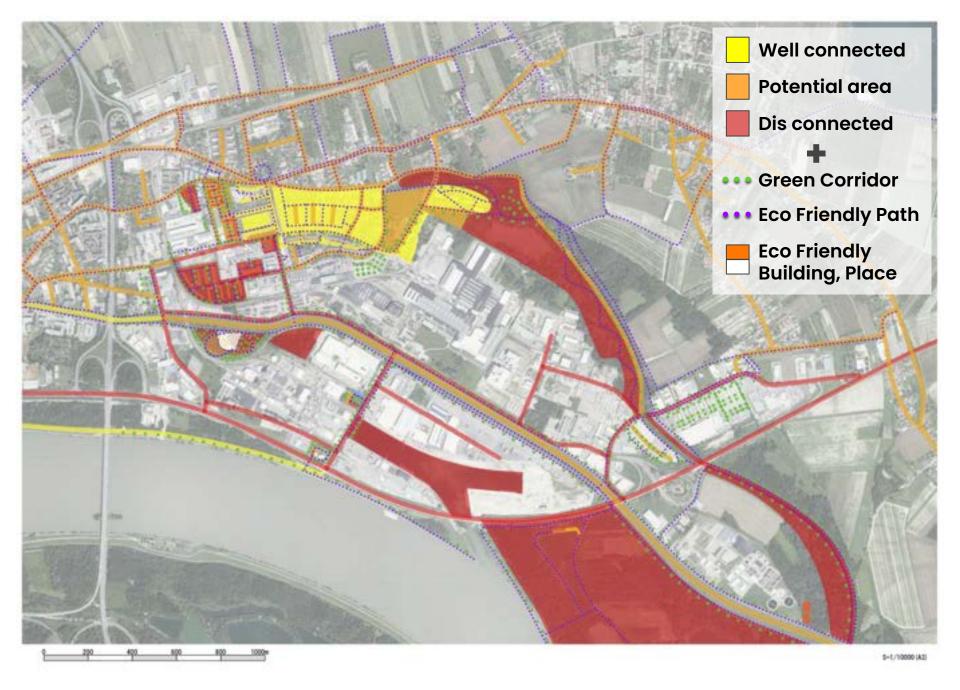






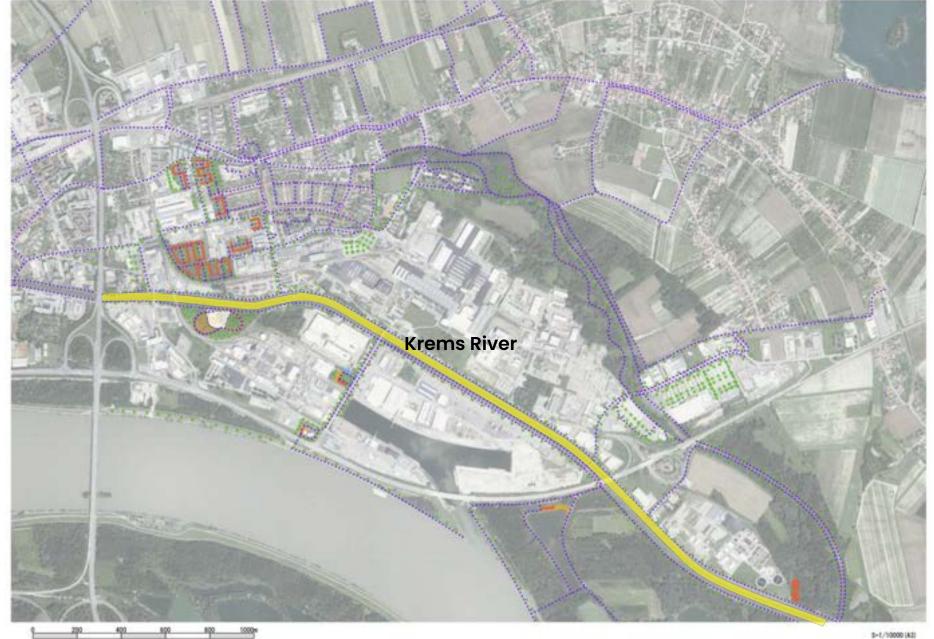








## Our proposal



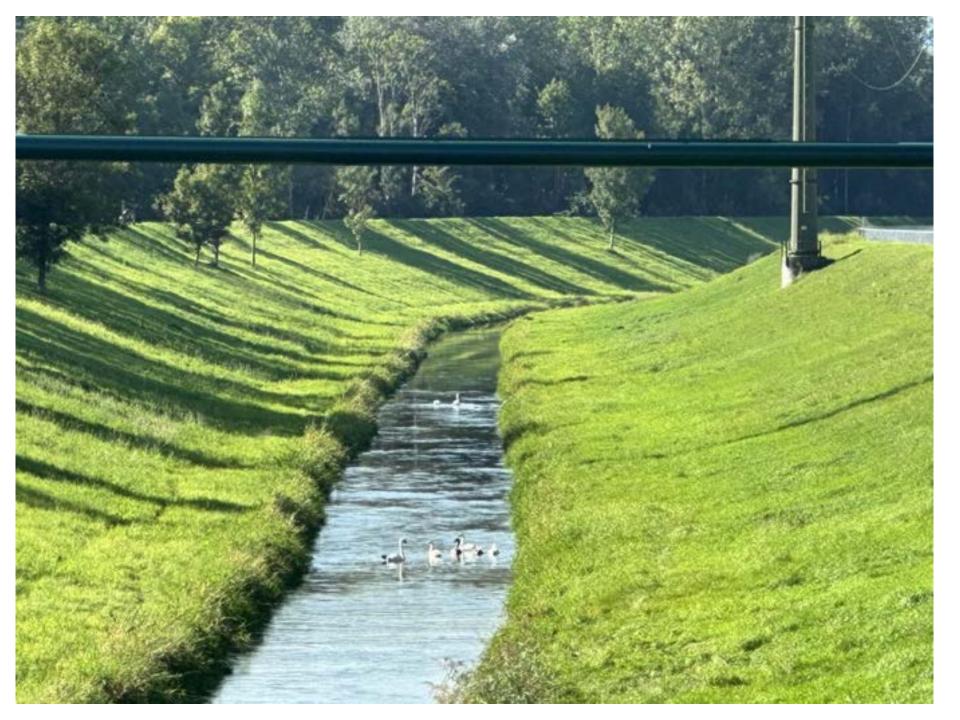




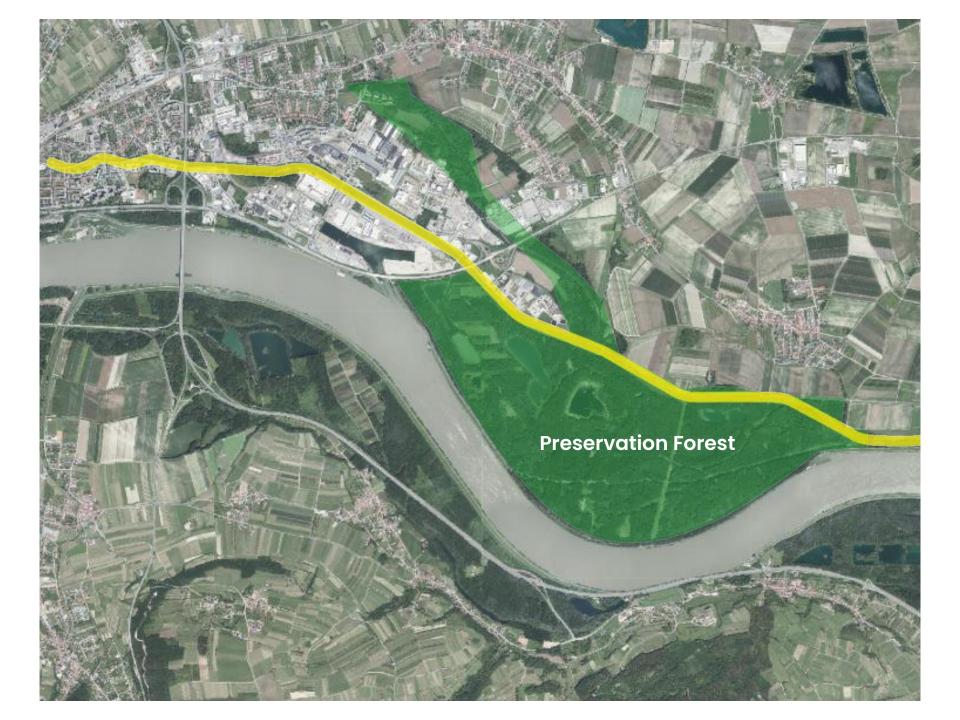


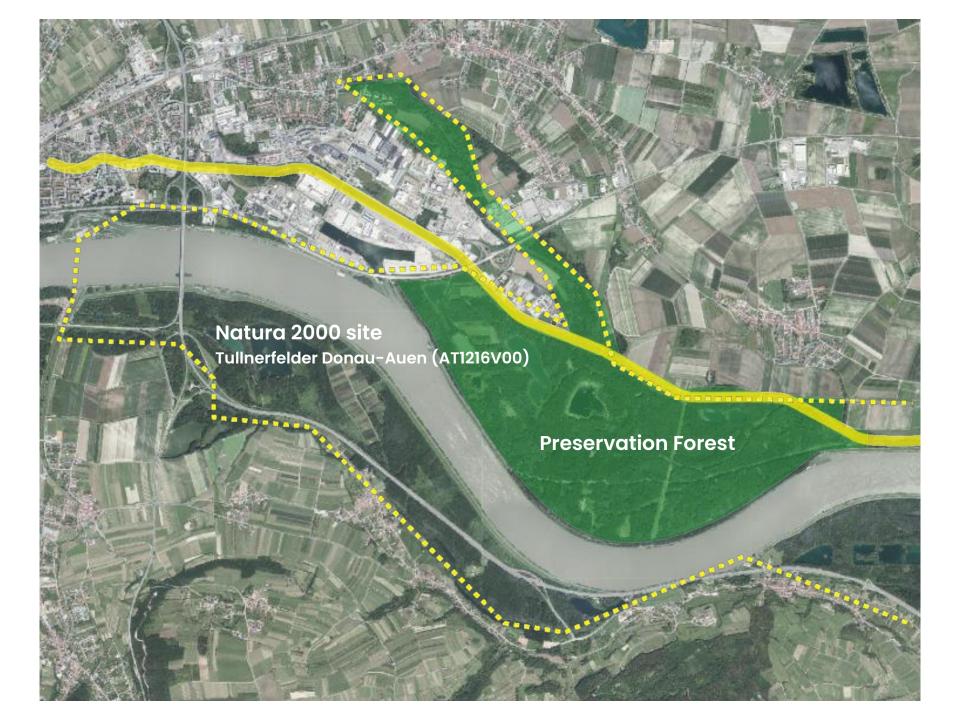
















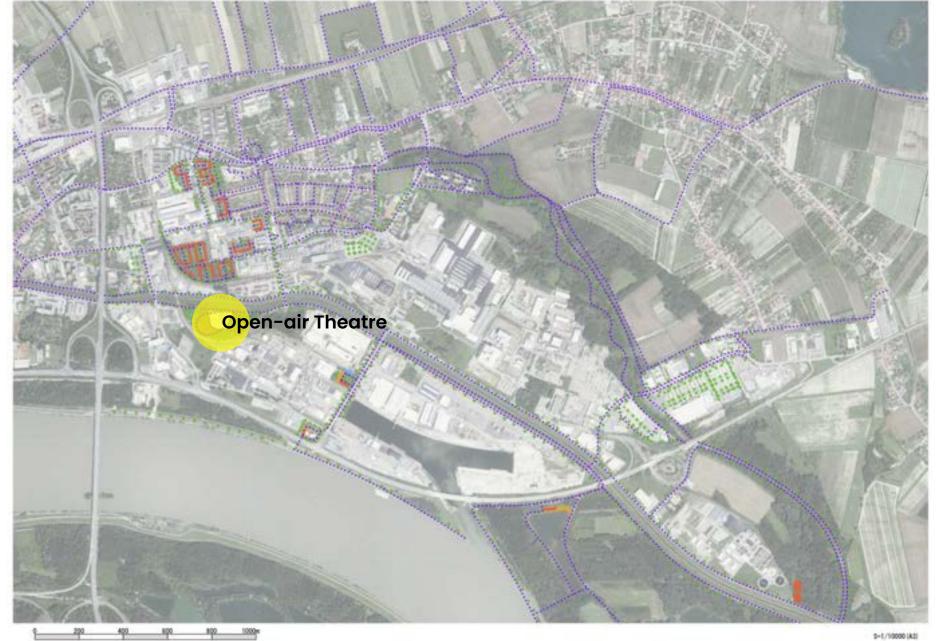


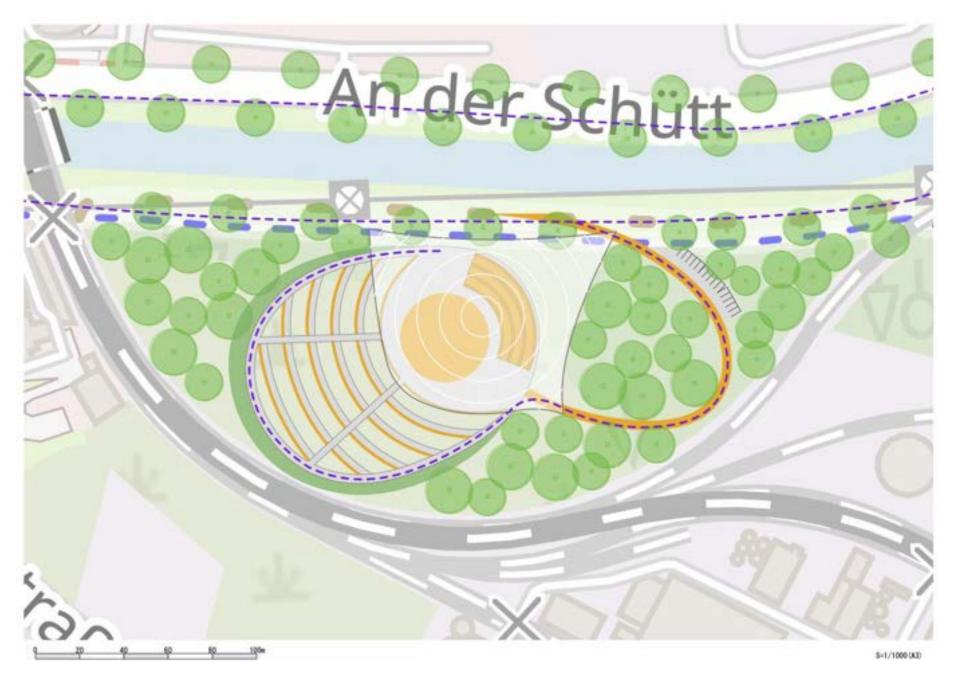


The Spittelau incinerator (Vienna) / Friedensreich Hundertwasser







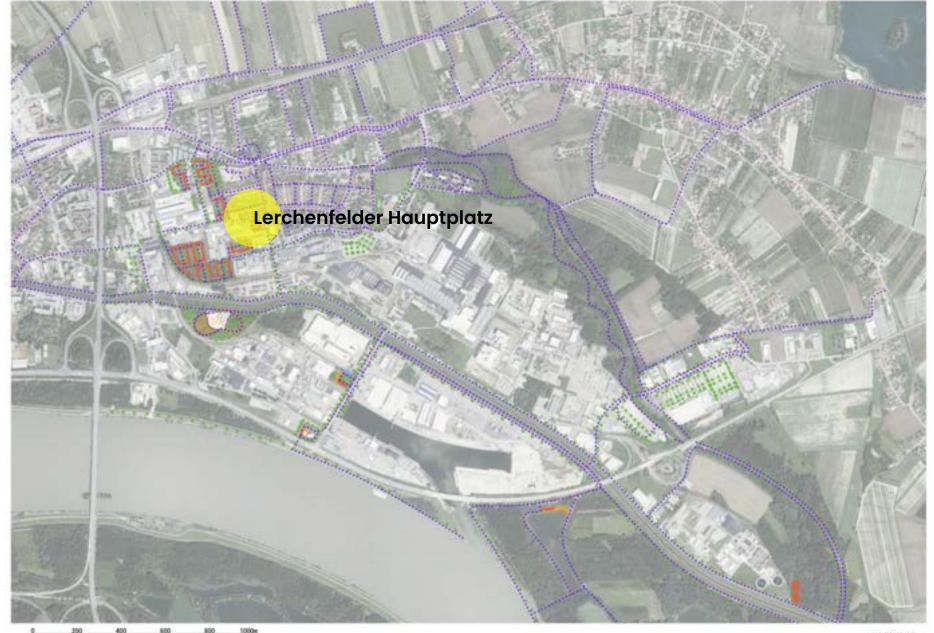










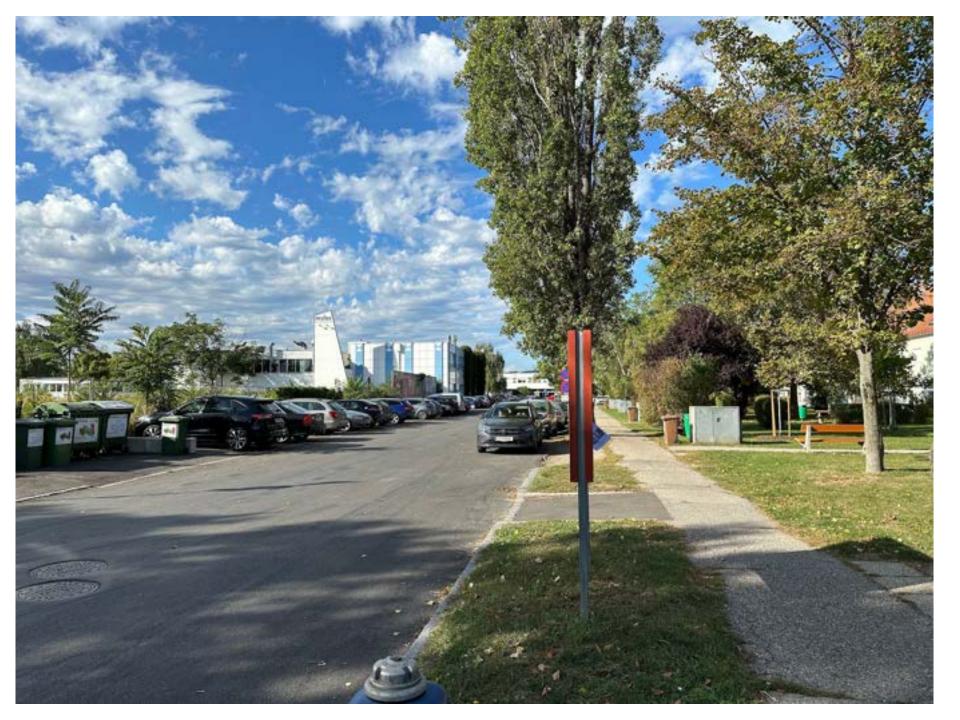




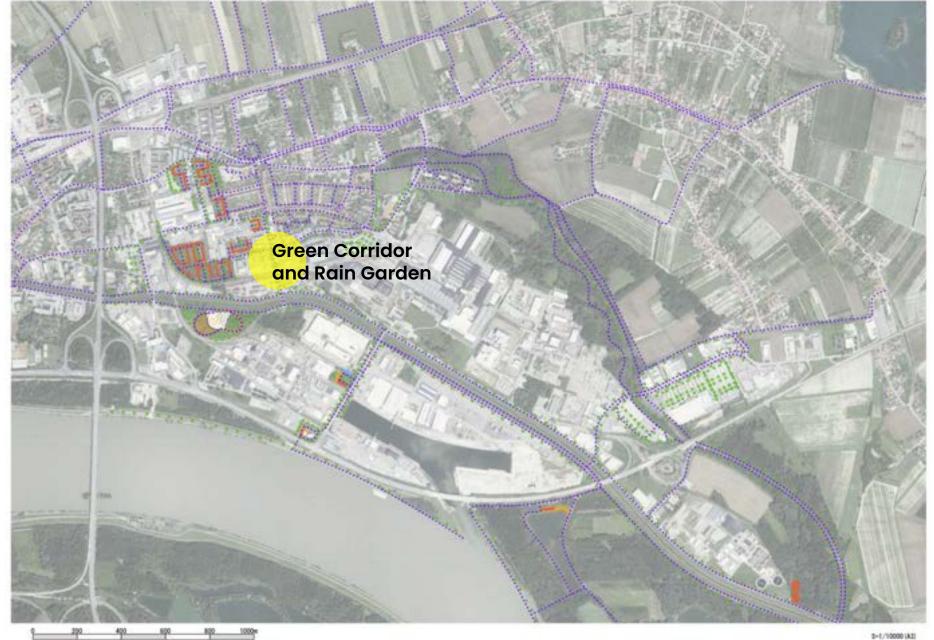










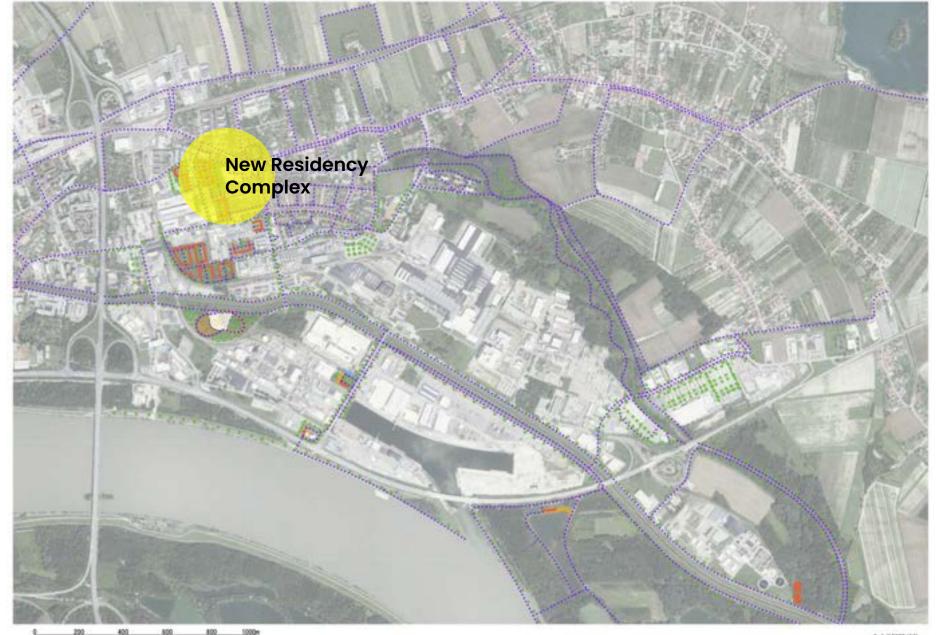


















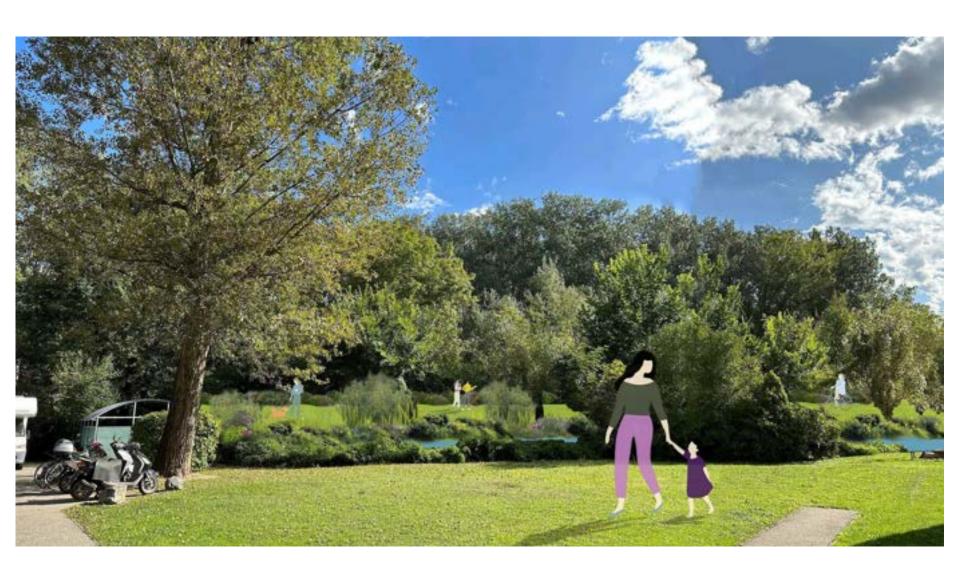


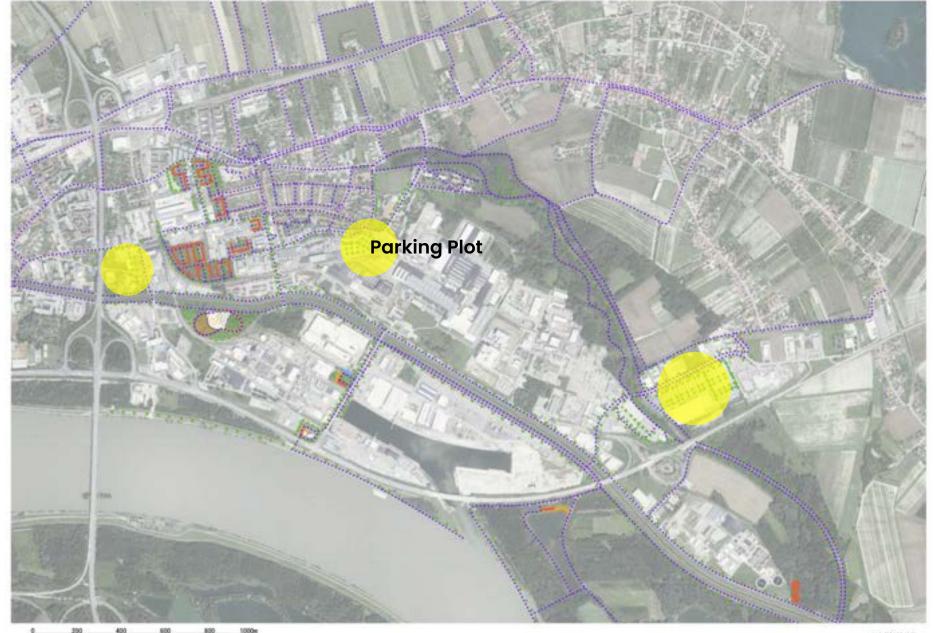






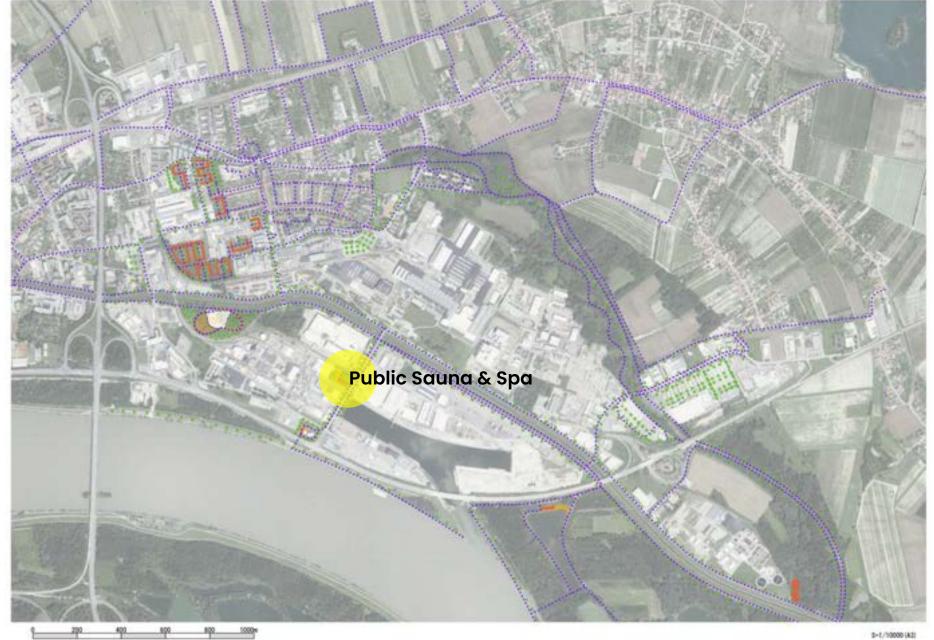








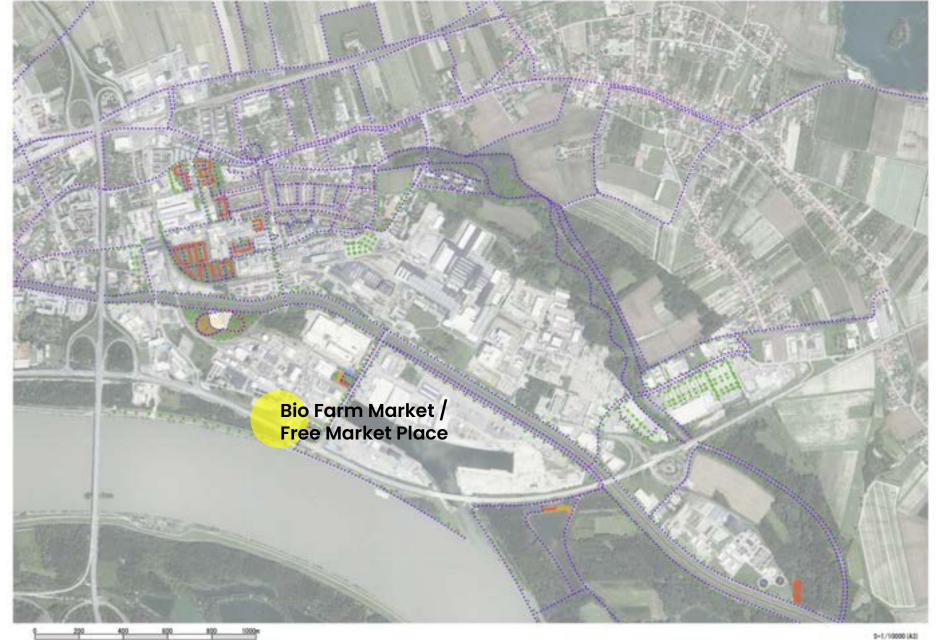
























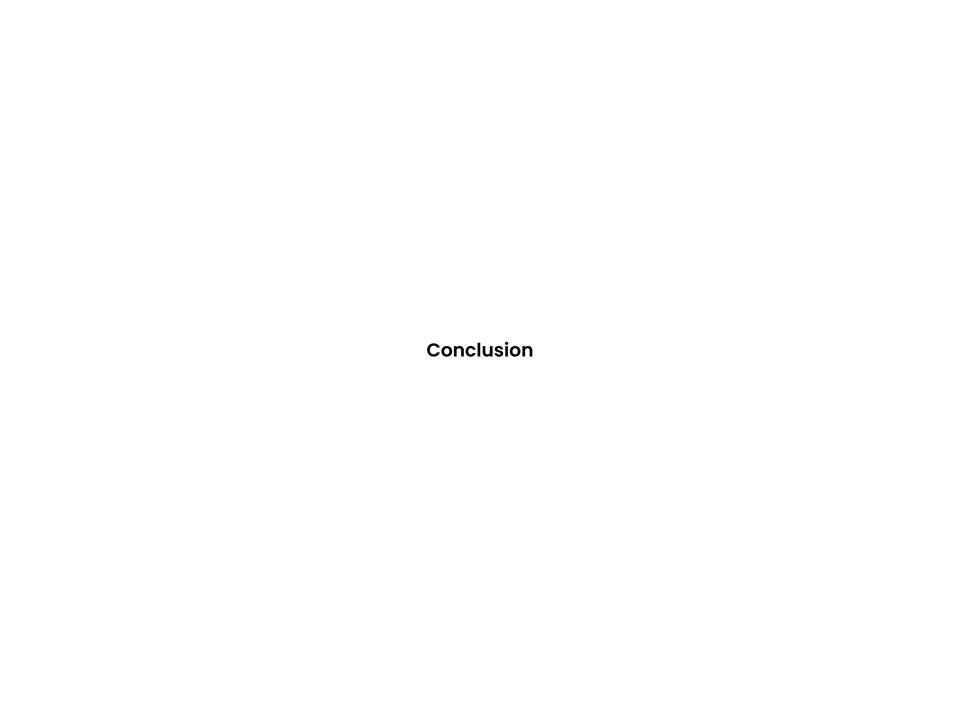




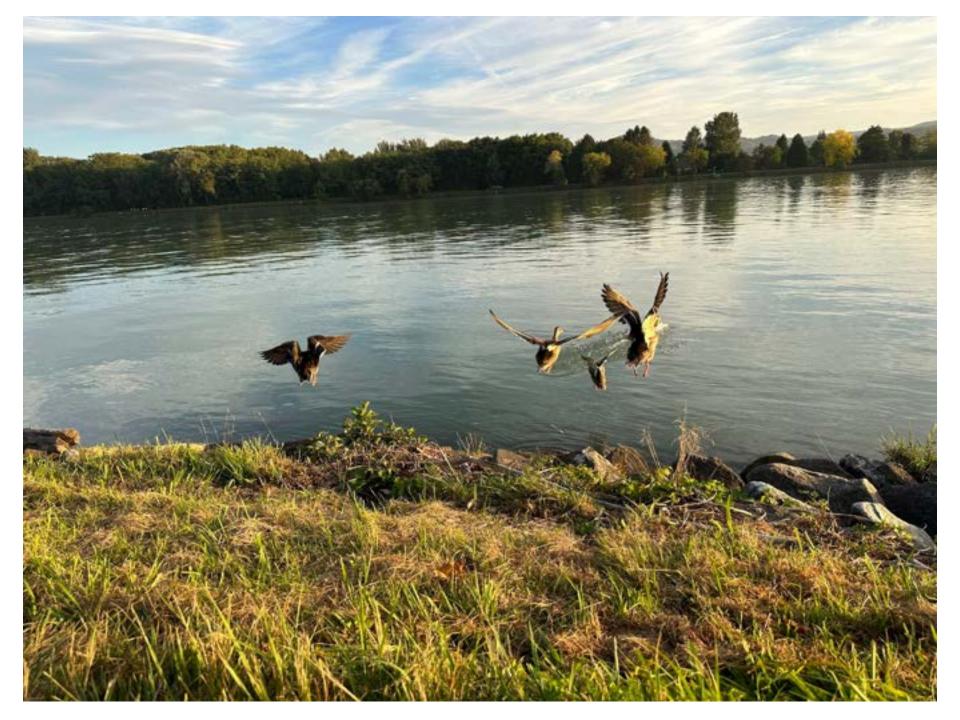












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