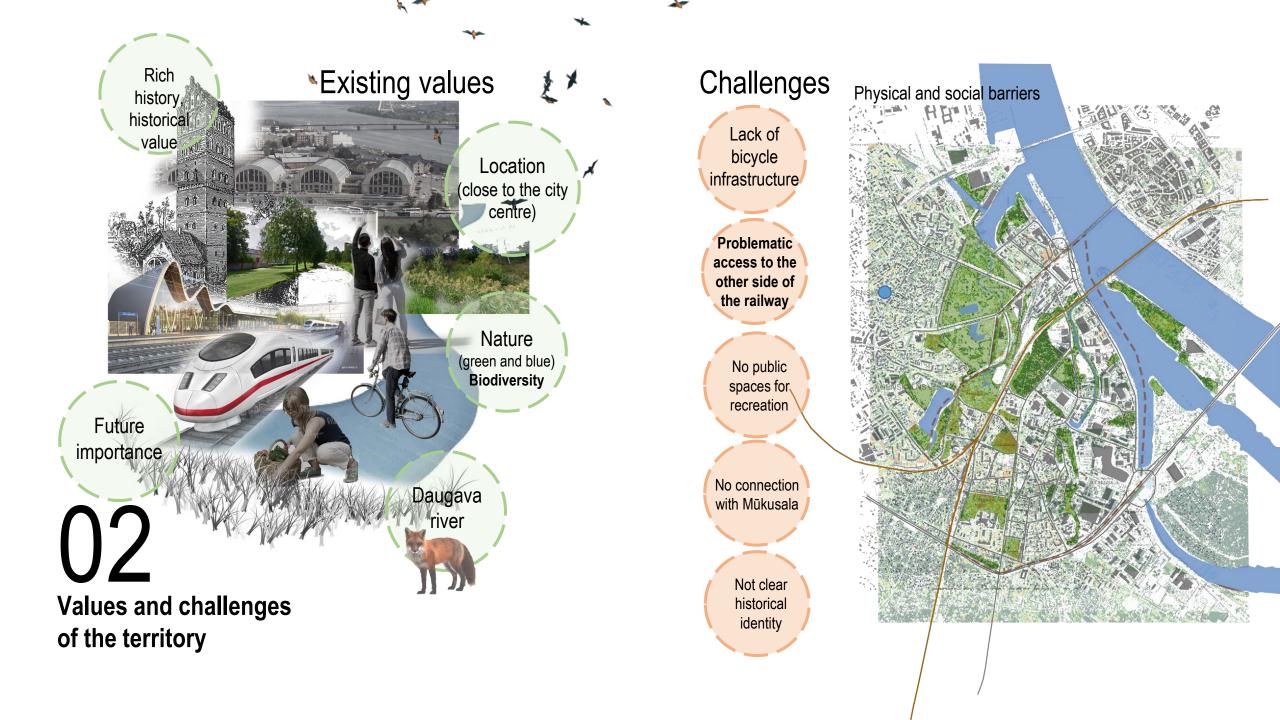


# Development proposal of the university campus and surrounding area of Tornakalns

Group 2: Anna, Katie, Tobias, Hamza, Thilo

- 1 Values and challenges of the territory
- 2 Aim and objectives
- 3 Ecosystem
- 4 High 5- Ecosystem approach
- 5 Mobility solutions
- 6 General environment/ Surrounding
- 7 Proposed zoning
- 8 Culture
- 9 Opportunities
- 10 Implementation plan & priorities
- 11 Individual future perceptions









03
Aim and objectives

An Ecosystem Campus, fostering linkages and relationships between the living and nonliving to create a system of continual wellbeing, learning and connection"

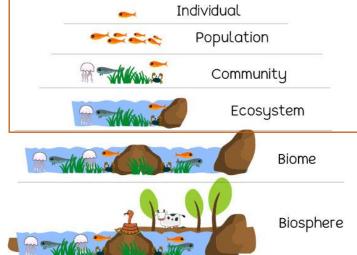
A multi-species centric model that creates an inclusive eco-social campus not only for humans but also considers the needs of other species as well.

Enhance and **strengthen** existing green and blue attributes and integrate them into the campus

A revolutionary campus, striving for **innovation** while **connecting** with the past and future. leaning on Rigas unique historical and cultural **pillars** 

### Ecosystem

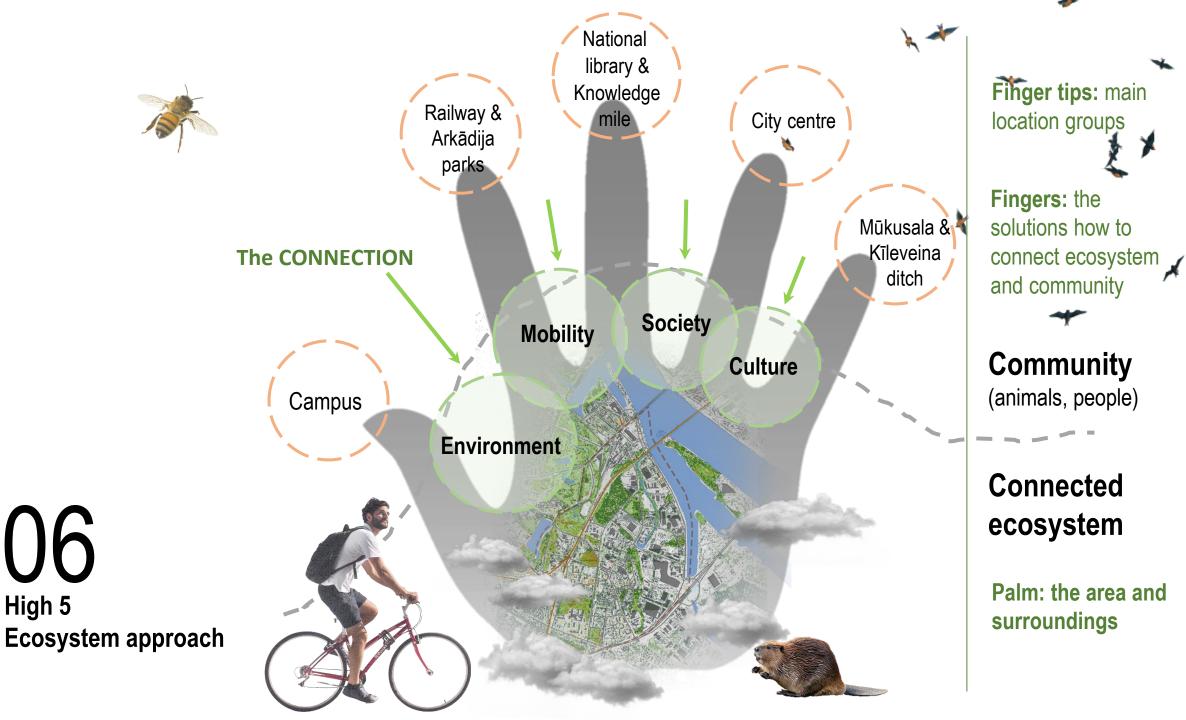
Individual Population Community Ecosystem Biome Biosphere An ecosystem encompasses both living organisms and non-living components of an environment. It is a dynamic system of interlinkages, interactions and exchanges.





**Ecosystem** 

## Raise your hands!



06

High 5





#### **Existing situation:**

Narrow side walks, No dedicated bike lanes

#### **Solutions:**

Traffic Calming
Bike sharing system
moving the parking lots to the edges to
discourage the car use.

Jelgavas iela Courtesy: google earth



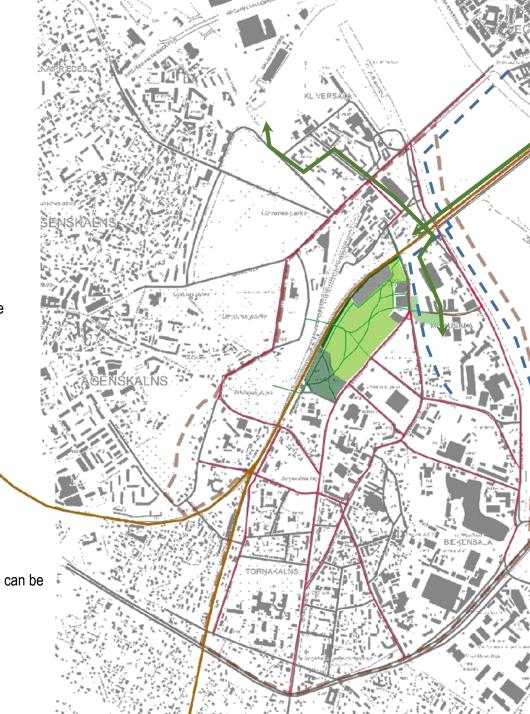
Cycling infrastructure example USA

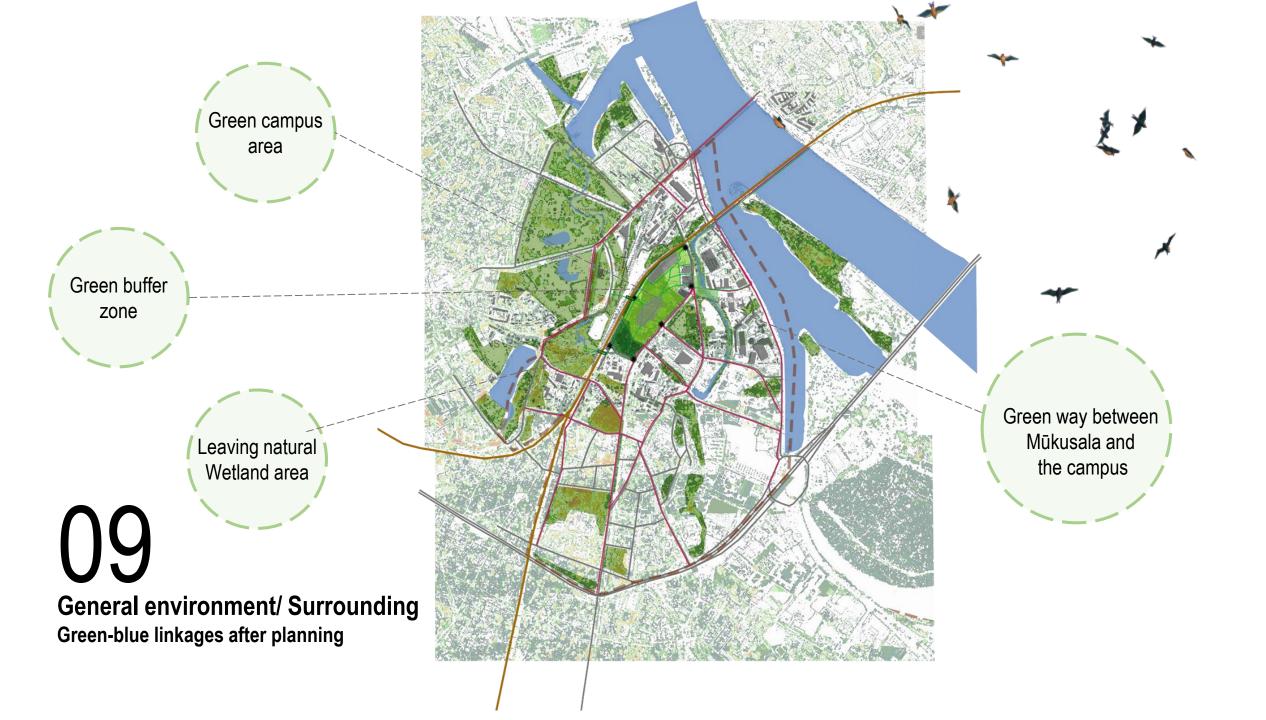


Nobility solutions

Human and animal connection path

This wildlife crossing can be found under a highway in Finland.









Social- Inclusive place to gather with produce cafe, food swaps, educational/resear ch facilities for public lectures & workshops.



Community garden plots open for all. Food swaps, reduce food miles, permaculture groups.

Establish historic land use type. Build on strong Lativian connection with market.

Community gardens



Insect Hotel- habitat, attract pollinators. Foster human/nature connection.

Cafes by day/ bar by night- areas to chill and socialise in a natural setting.

**Community gardens** 





Children friendly, open to community Recreational activities- nature playground, table tennis.

Integrated with university buildings

Sensory garden is planned to be a lovely place to spend time. Students and locals can come together, interact with other people and nature, do sport activities and live a healthy

life. Area mainly covered with plants that are suitable for the climate.

Therapeutic & healing

Sensory garden

Space for outdoor

lectures

Multi-functional outdoor space-





Sensory garden

Nature immersion through sensory stimulation



Research & field work opportunities



Relaxing Space in nature

Animal experience path, linking to railway station

Ecosystem Services- filtration, storm-water catchment, flood mitigation

Wetlands kept as natural as possible.

13

Wetland and green tunnels



Interpretive Signage

Wetland

Green tunnels

Wyarns barks

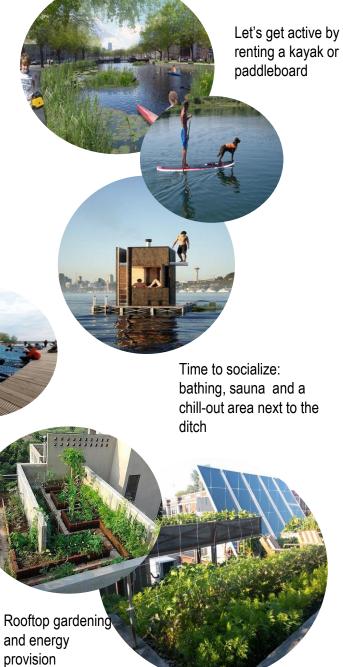
A place to meet

A Café on bridge in London Courtesy: Google images

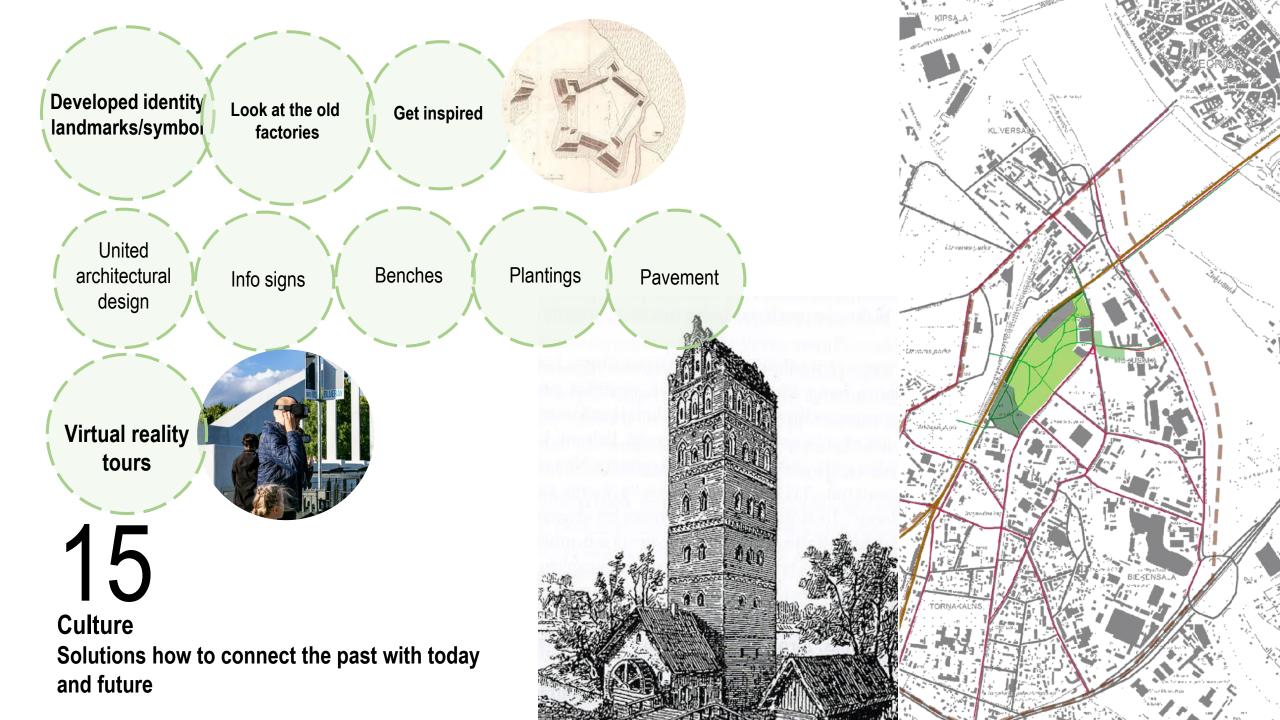
your (business-) partners: A harbo-bar

Time for some scenic viewing in the handy water taxis that connects the city and Mūkusala

**Connecting bridge with the** Mūkusala



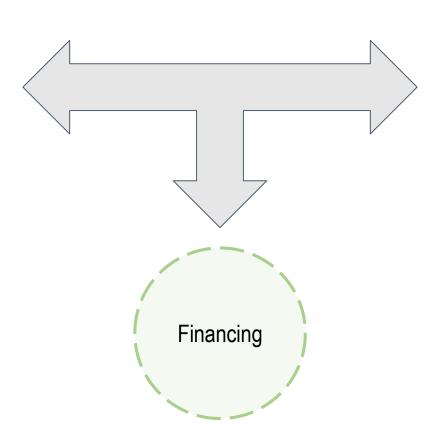






- budget
- endangered species
- opposition



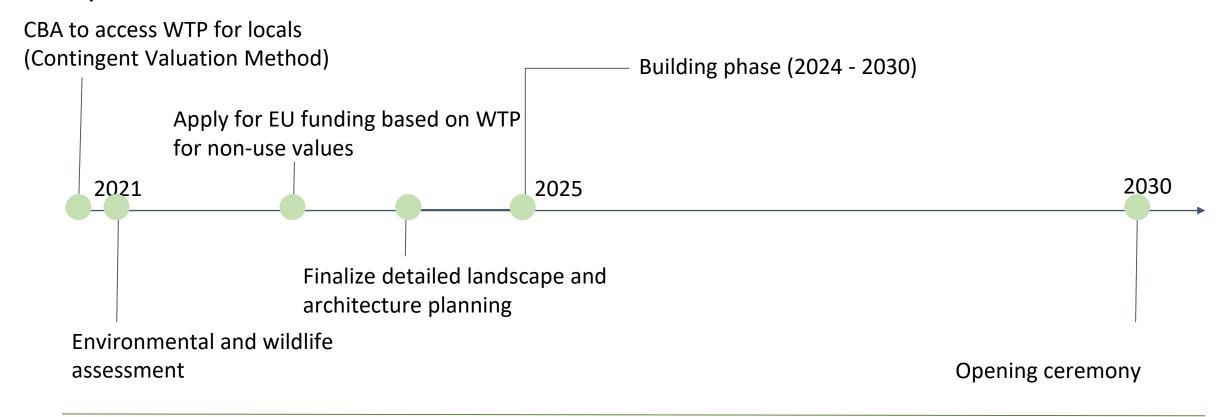


- taxes
- subsidy from EU for green projects (e.g. EU Green City Accord) https://ec.europa.eu/environment/topics/ur ban-environment/green-city-accord\_en#ecl-inpage-200



- Role model
- green city with social/environmental inclusion
- Tackling pollution
- Welfare level
- Connecting city and campus
- income opportunities through
  - increased tourism
  - marketing (documentary)

#### **Development time line**



17
Implementation plan & priorities

#### **Development priority**

- 1. Campus area
- 2. Torņakalns identity vision
- 3. Connection with Arkādija park and Railway
- 4. Connection with Mūkusala
- 5. Knowledge mile National Library
- 6. Connection with the city centre





#### **Edgars, Student**

"The campus feels much more alive now. The campus bar and cafes are great places to meet new friends, sometimes our professors also join in! I am studying biology. We have many lectures and hands on experiences outside in the gardens, it is studying in a living lab! Also, I can now ride to uni in 10 mins!"

#### Henry, The Beaver

"I used to live in Arkadijas Park but now I have a new home in Mūkusala Ditch. I like it here the bank is full of plants for me to eat. I can travel back to Arkadijas Park easily through the new tunnels made especially for me! "





"My husband and I were thinking of moving to the countryside so our children had more open space to play. The new transformation of Tornakalns means there is now so much green space around. My children particularly like playing in the sensory gardening, smelling, touching and even eating plants and flowers!"



Vladimir, parliament member

"What a great investment that was! Since the recreation of the water area, members of the parliament are having important governmental meetings with foreign politicians on the water taxis - the longest trip take roughly 1,5 hours and leaves our visitors with a stunning face regarding how sustainable Riga became compared to 10 years ago! Personally, we finally also corporate way closer with the university these days. The new bridges make sure that political science students are way more likely to search internship opportunities at the government. Further, our financial possibilities have improved, thanks to our new attractiveness foreign investors and for companies."

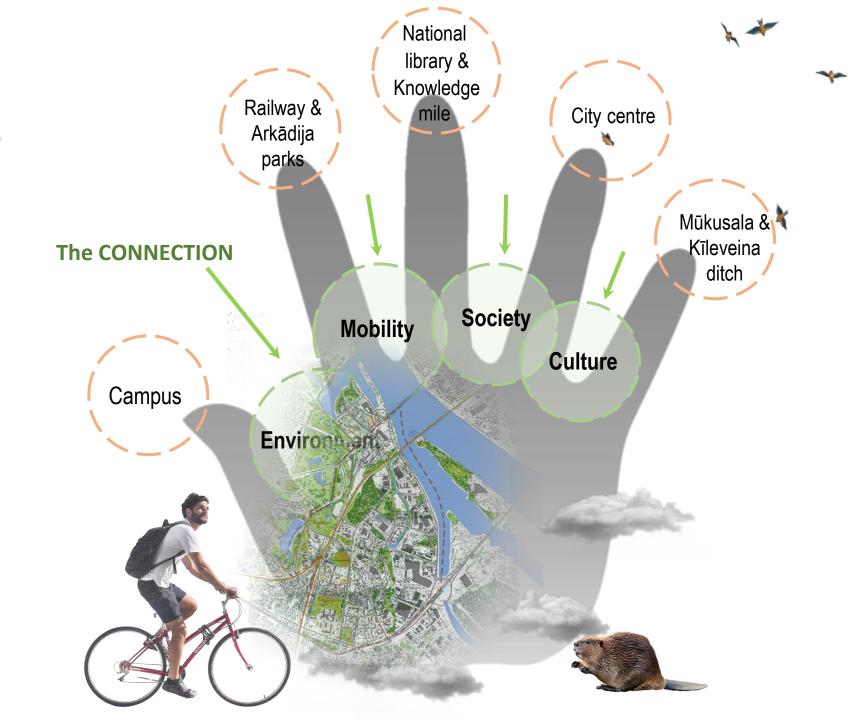


I **didn't** even think there was anything on the other side of the river!



Anna, Local Business Owner

"Together with a friend of mine, we wanted to settle with our start-up at a place that makes a difference in the world. Here, we get a significantly rent reduction for growing food on our rooftop of our business building. At the same time we give something back to the local community by providing it at the local market. A great concept that attracts many change makers!"



19 Thank you!