



The Planning of Green Spaces and Recreation Areas in Daugavpils

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Land use

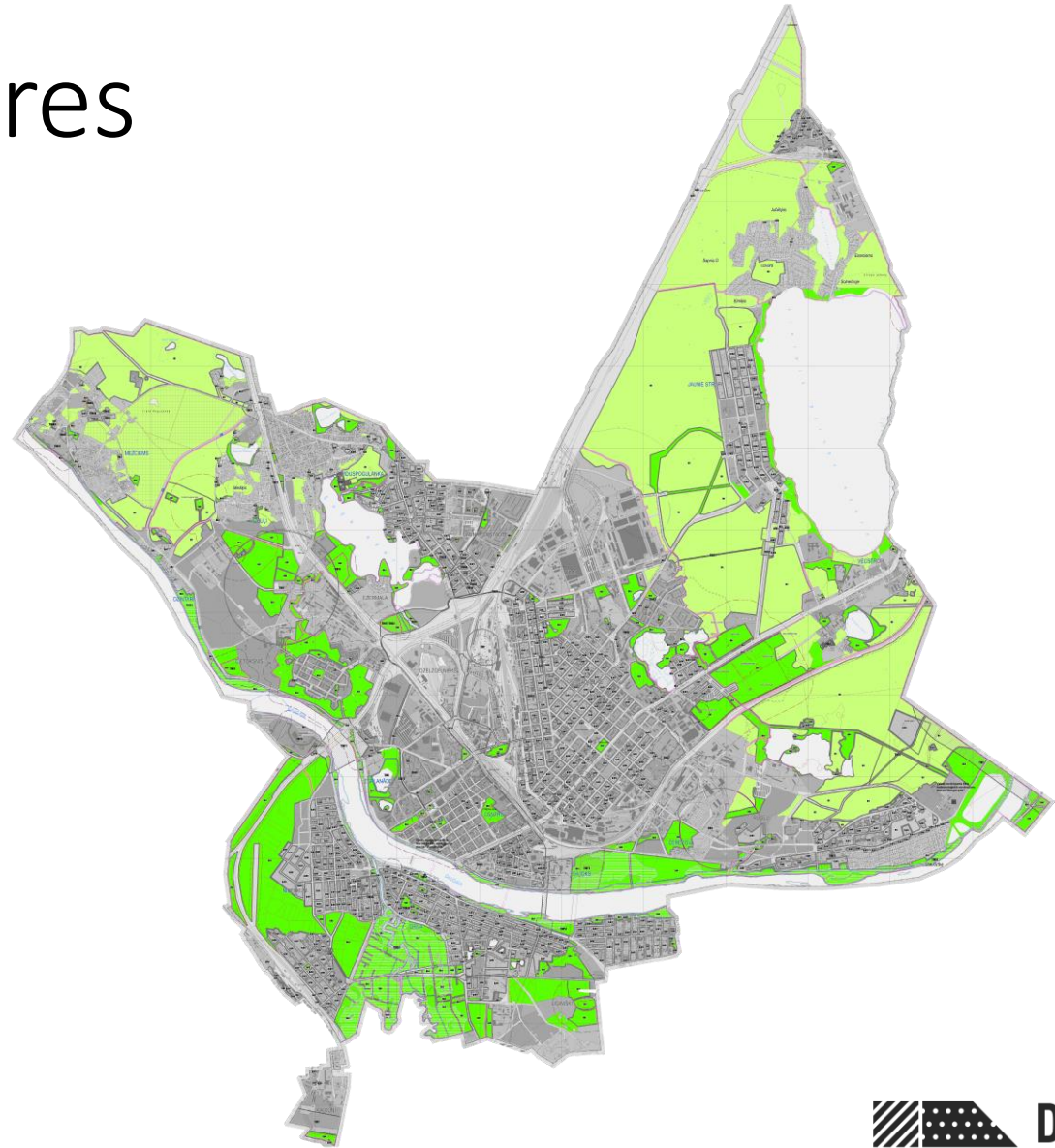
Percentage distribution of land owned by Daugavpils city:

- Buildings and yards – 30%
- **Forests – 23%**
- **Land under water – 13%**
- Land under roads – 11%
- Agricultural land – 7%
- Other land – 16%



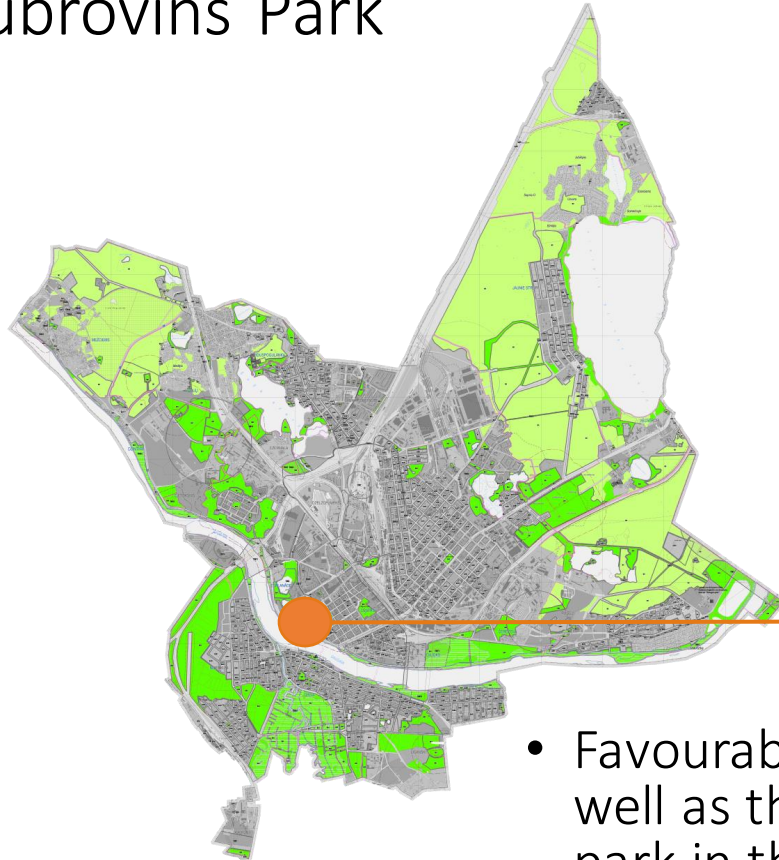
Urban Green Structures

- 34 squares and parks;
- 8 forest parks;
- 5 dog parks;
- 37 protected trees;
- 204 playgrounds;
- 6 recreation areas;
- 2 open air stages;
- 1 camping



Urban Green Structures

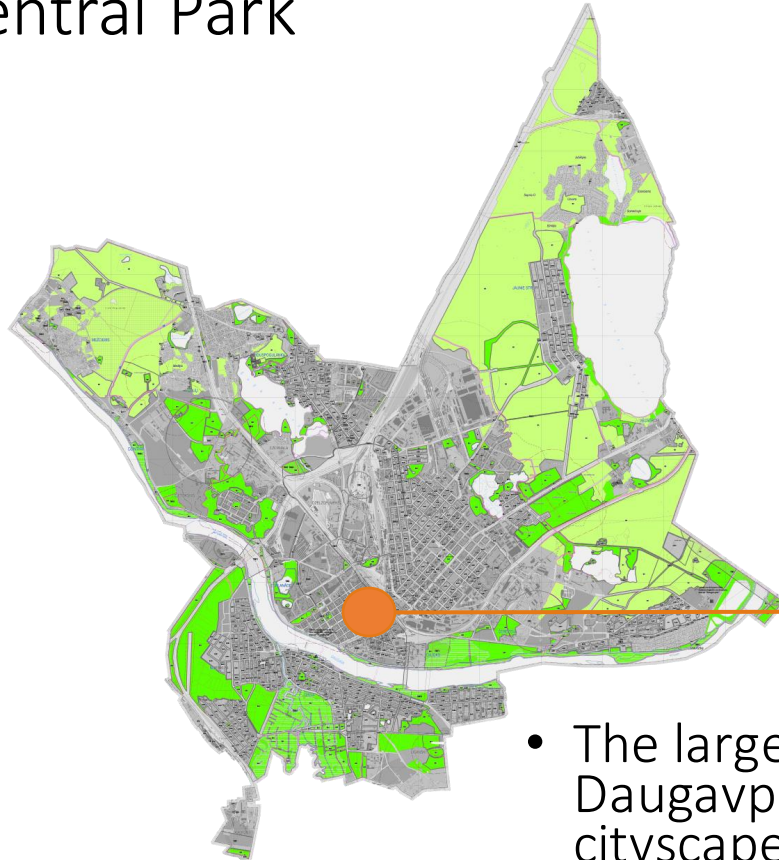
Dubrovins Park



- Favourable location close to major attractions as well as the scenery makes it the most frequented park in the city;
- Named in honor of the mayor Pāvels Dubrovins who held office from 1876 to 1890 and curated the development of said park;

Urban Green Structures

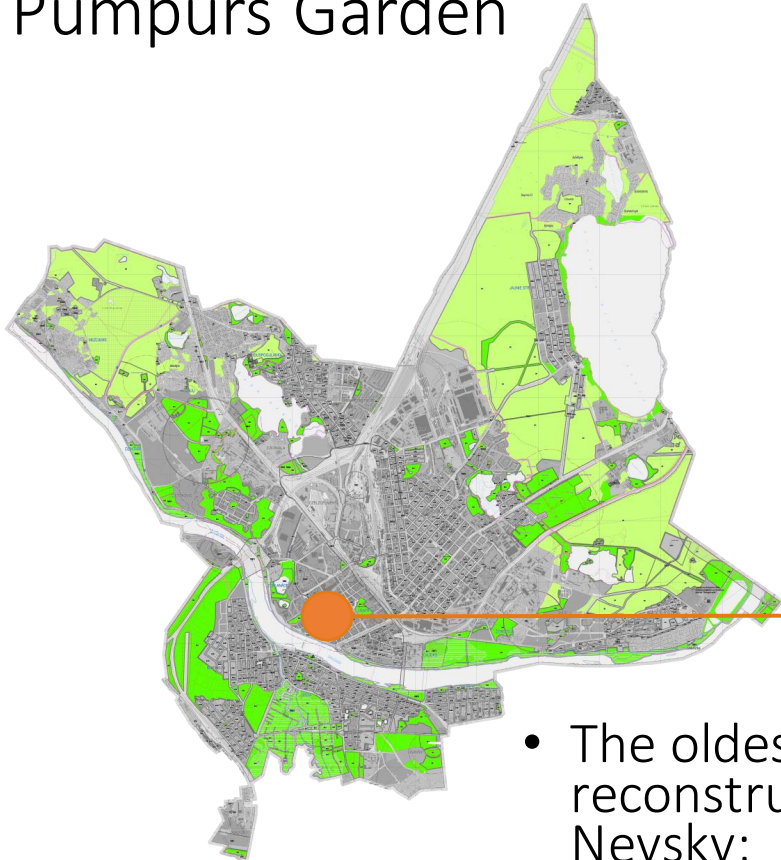
Central Park



- The largest park in the historical urban core of Daugavpils that occupies 6 blocks of former cityscape;
- Characterised by multiple alleys that cross it;
- Hosts the largest children's playground in the city as well as a chess museum;

Urban Green Structures

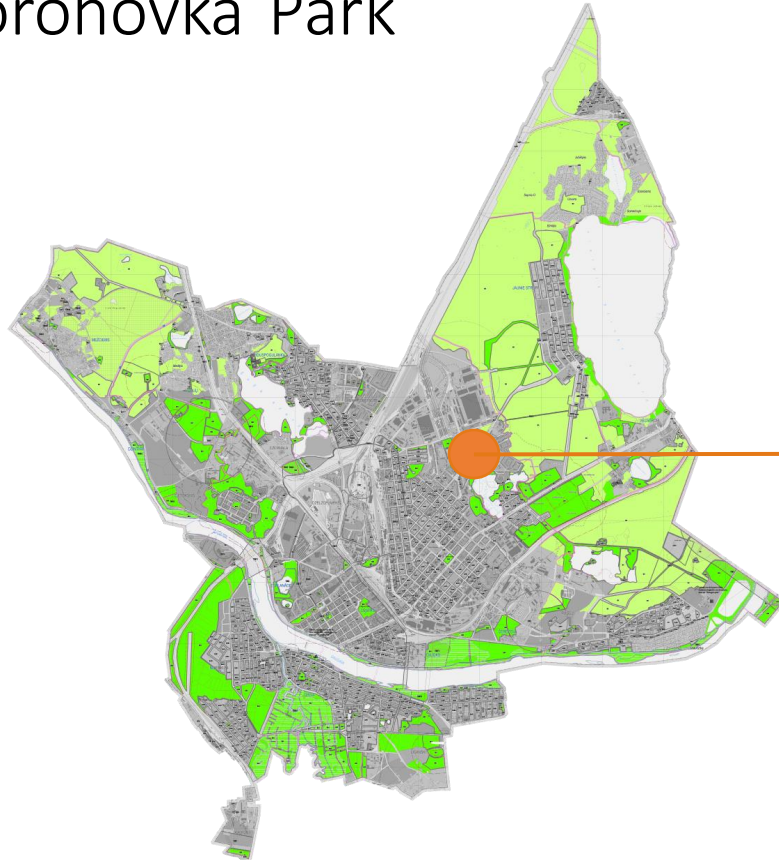
A. Pumpurs Garden



- The oldest park in the city next to the reconstructed chapel dedicated to Alexander Nevsky;
- The fountain *Girl with a lily* is a popular meeting place among the townsfolk;
- Dedicated to Latvian poet Andrejs Pumpurs

Urban Green Structures

Porohovka Park



Urban Green Structures

Porohovka Park

- Porohovka is one of *scenic parks* in Daugavpils
- The land under park are *8 ha*
- In park are *0.8 ha* large lake
- The Porohovka park have three areas:
 1. *picnic* area;
 2. *playground*;
 3. *passive recreation* area;
 4. *Beach* area



Urban Green Structures

Porohovka Park



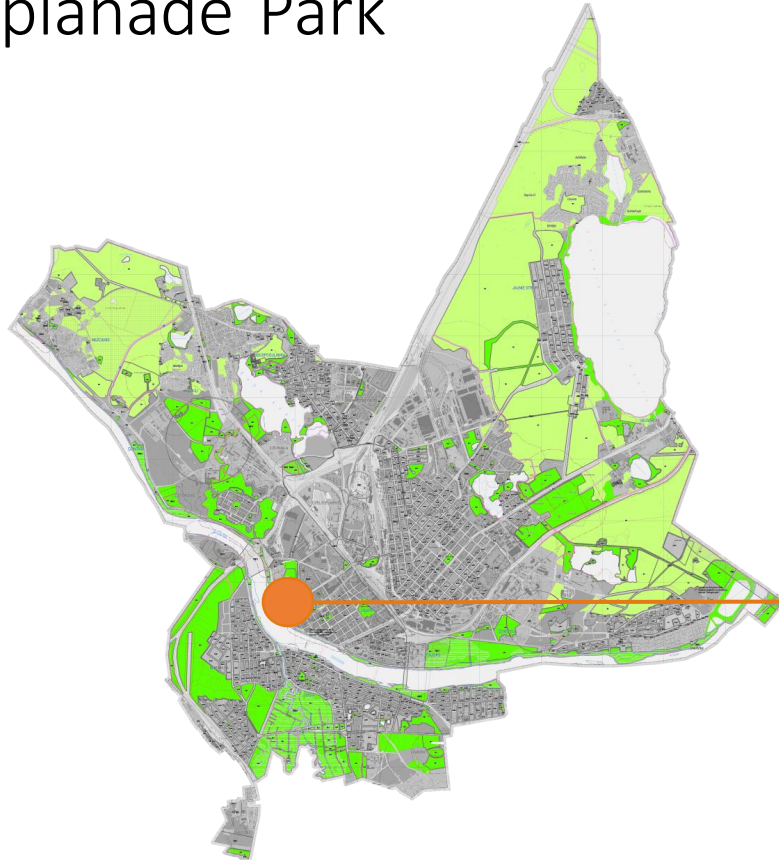
Urban Green Structures

Porohovka Park



Urban Green Structures

Esplanāde Park



Urban Green Structures

Esplanāde Park

- In Esplanāde park territory the *first bicycle park* in the Baltic states was built
- the project was *completed in 2016*
- The bicycle park area *4,72 ha*



Urban Green Structures

Esplanāde Park

- In 2021 year was created a first *experimental flower meadow field* with insect hotels
- flower meadow field area – *130 m²*
- *three* insect hotels



Urban Green Structures

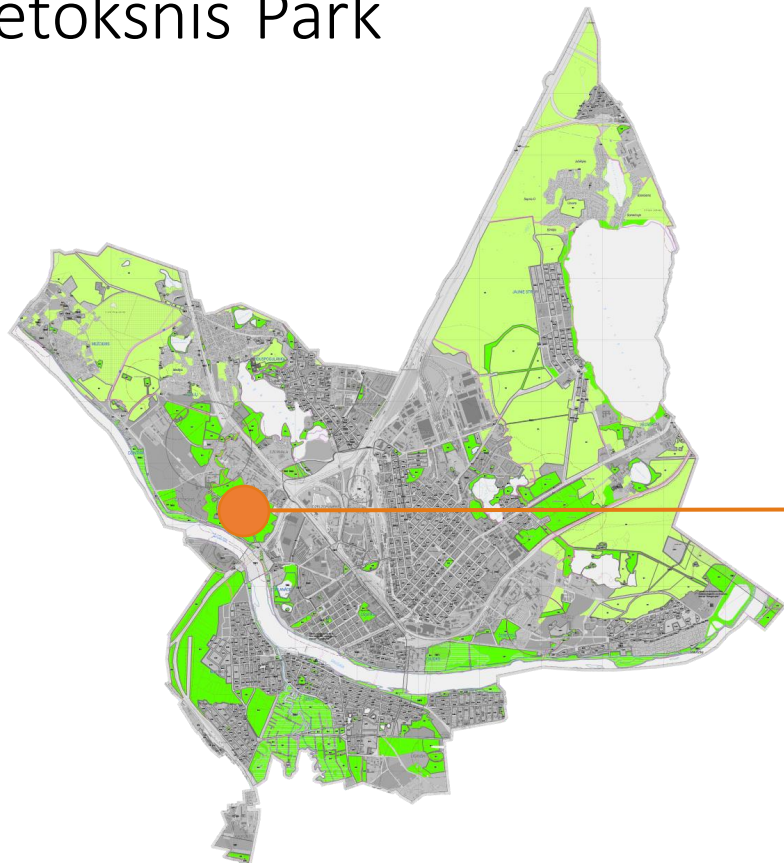
Esplanāde Park

- In 2021 a *musical square* was unveiled;
- A special area of the Esplanāde park, where anyone can learn to play *percussion instruments*



Urban Green Structures

Cietoksnis Park



Urban Green Structures

Cietoksnis Park



Urban Green Structures

Cietoksnis Park

- The Fortress covers an area of nearly 2 km²;
- Ongoing restoration of Bastion 7 (pictured);
- Abandoned defensive structures have been populated by protected bat species, whereas in 2013 tadpole shrimp was discovered in the moats surrounding the fortress;
- Green belt surrounding the fortress



Protected Areas



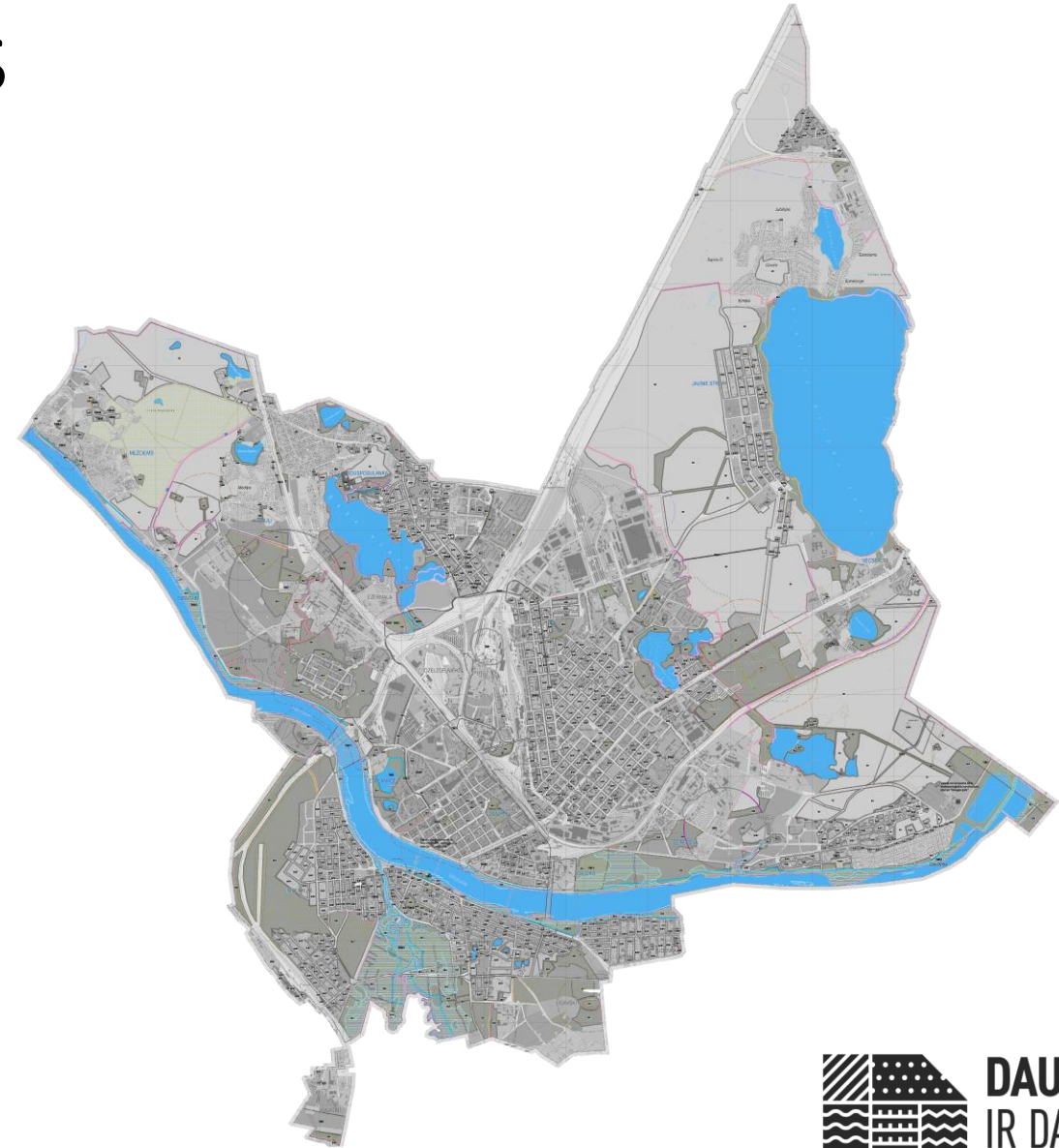
Protected Areas

- Area between Ruģeļi district and Daugavpils – Polotsk railway;
- Saturated with specially protected biotopes and over 100 species habitats;
- Has caused contention in the past in regard to the development of territorial planning regulation;



Urban **Blue** Structures

- The land under water in Daugavpils is **921.1 ha** or **13%** of the city territory;
- The largest rivers in Daugavpils territory are **Daugava, Laucesa** and **Šuņica**.



Urban Blue Structures

Lakes:

- Esplanāde Reservoir;
- Gubišče;
- Mazais Trikarts;
- Mazo Stropu;
- Plotičku;
- Porohovka;
- Ruģeļi Ponds;
- Ruģeļi Reservoir (Katlavāns);
- Stropaks;
- Lielais Stropu;
- Šuņezers;
- Trikarts;
- Zirgezers.

Rivers:

- Čornaja;
- Daugava;
- Jaunušānu upe;
- Laucesa;
- Meļņička;
- Šuņupe (Šuņica).

Wetlands:

- Esplanāde Wetland;
- Laucesa Floodplain.

Other:

- 7 beaches;
- 1 spring.

Urban Blue Structures

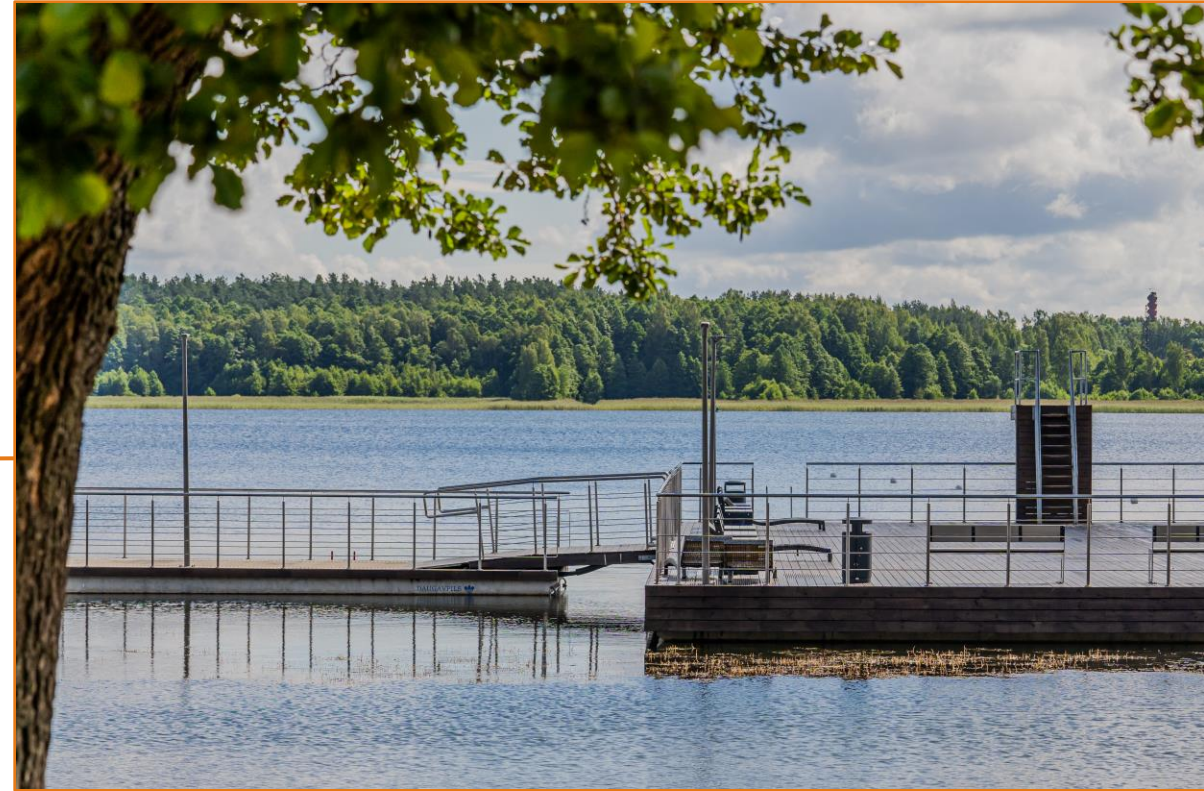
River Daugava



- At 2,8 km² it is the most prominent topographical feature in the city;
- Multiple piers have been installed along its banks in order to ferry locals and tourists alike on joyrides;

Urban Blue Structures

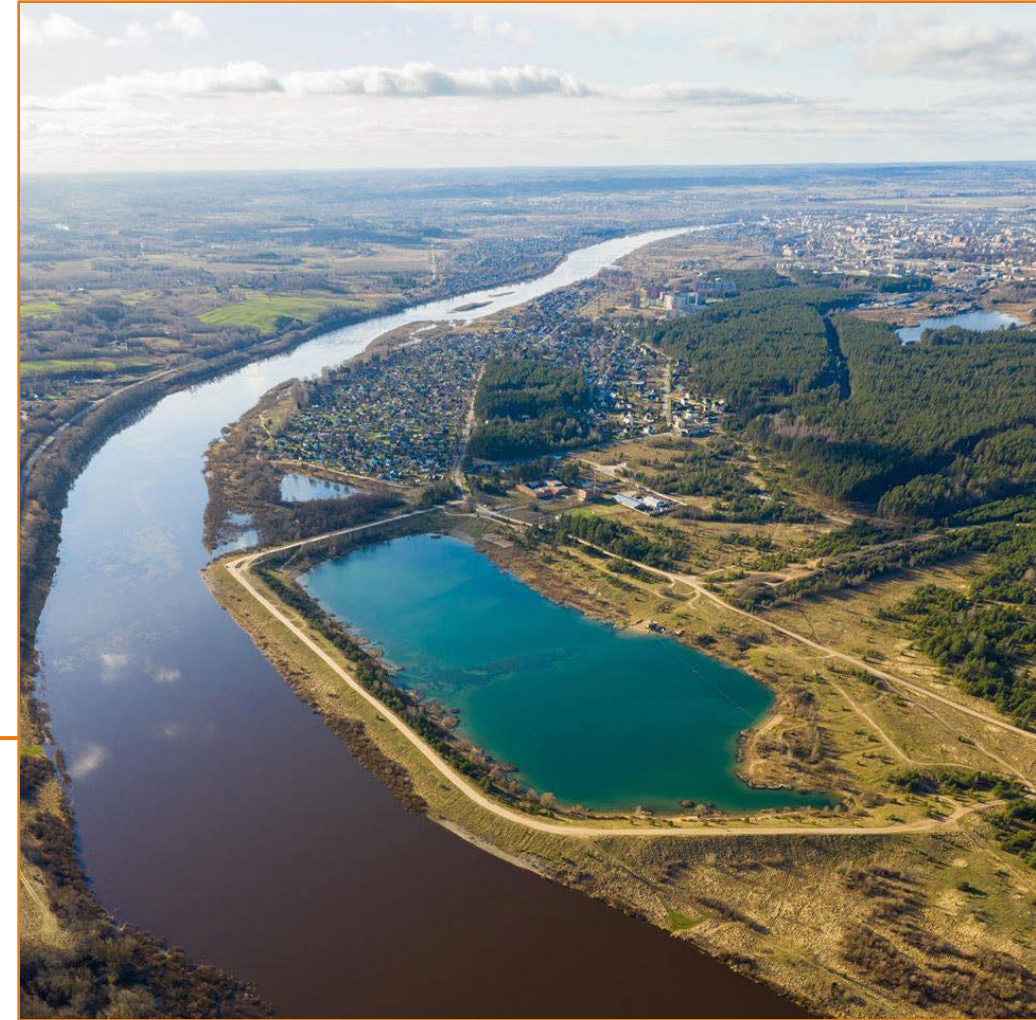
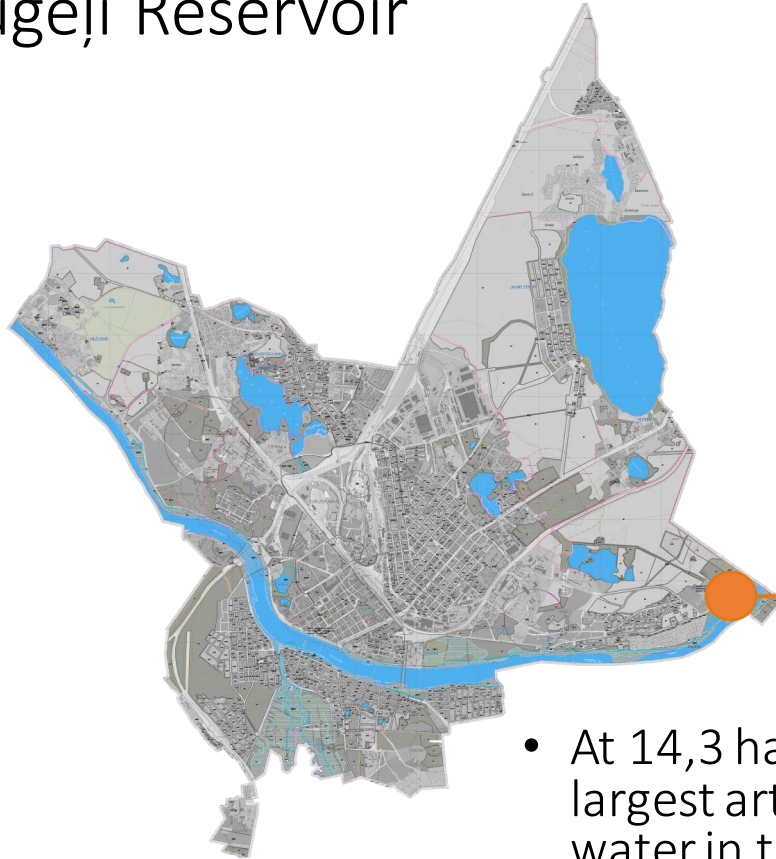
Lake Lielais Stropu



- The largest body of water in the municipality at 4,27 km²;
- The lake is a beloved recreation area by the populace, hosting the annual Dragon Boat Festival

Urban Blue Structures

Ruģeļi Reservoir



- At 14,3 ha arguably the largest artificial body of water in the city, dug in the 1980s in order to construct a hydropower plant which was never finished;
- One of the clearest lakes in the vicinity of Daugavpils

Urban Blue Structures

Esplanāde Wetland
(in progress)



Urban Blue Structures

Esplanāde Wetland

(in progress)

- Area ~12 ha
- Populated by 7 bird species protected nationally
- Of which 4 are included in the EU Council Directive 79/409/EEC on the conservation of wild birds:
 - Little bittern *Ixobrychus minutus*;
 - Bluethroat *Luscinia svecica*;
 - Corn crane *Crex crex*;
 - Red-backed shrike *Lanius collurio*;
- Protected plant species:
 - Early marsh-orchid *Dactylorhiza incarnata*.



Urban Blue Structures

Esplanāde Wetland

(in progress)

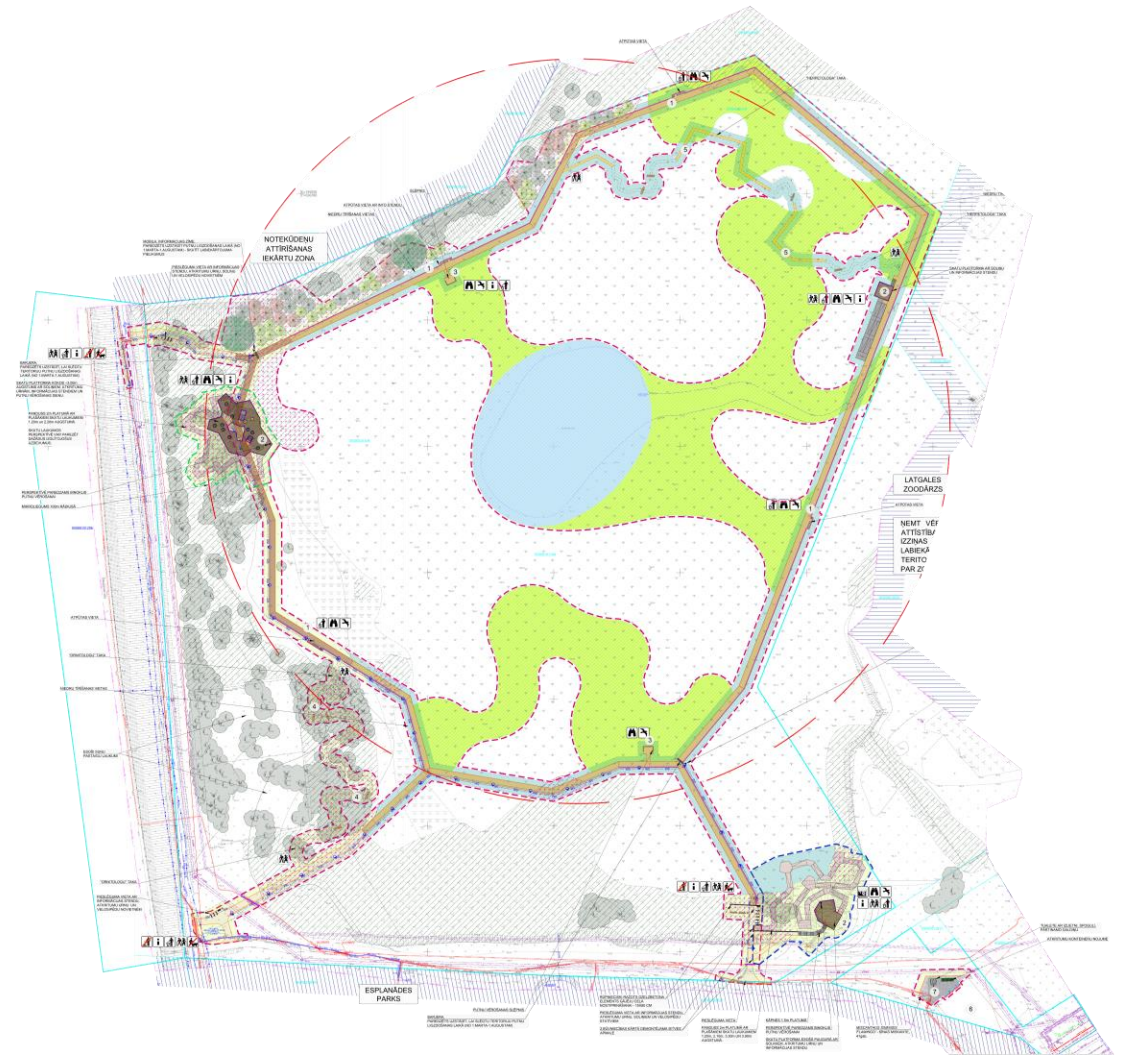
- No specially protected biotopes, formation is unlikely due to a high anthropogenic pressure;
- Water level management system and the removal of aquatic plants is recommended in order to improve the hydrological regime in the wetland



Urban Blue Structures

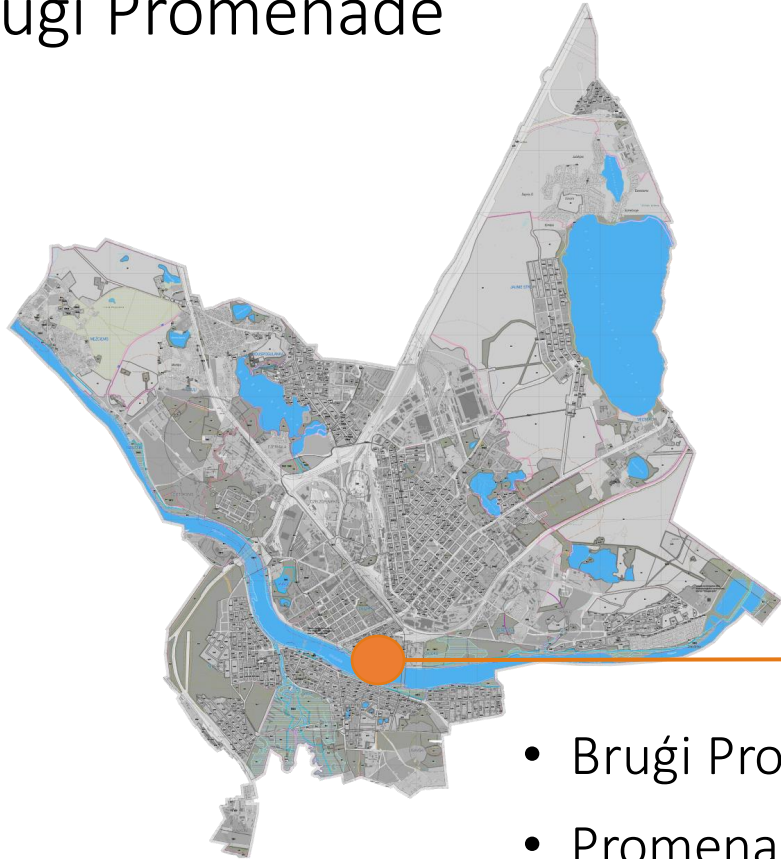
Esplanāde Wetland (in progress)

- A competition for the development of the southern part of Esplanāde Wetland was held in 2019;
- The winning project allocates:
 - 1,56 ha open water;
 - 0,50 ha shrub cutting;
 - 0,47 ha reed clearing;
 - 0,32 ha pedestrian footbridges;
 - 0,30 ha lawns;
- Herpetology and ornitology trails;
- Viewing platforms and hideposts;
- However, no measures are planned to regulate the water level



Urban Blue Structures

Brūģi Promenade



- Brūģi Promenade is **1.12 km** in length;
- Promenade connects two historical neighborhoods – ***Centrs*** and ***Gajoks***;
- The Promenade project plans to ***protect*** the ***natural shore of the Daugava***

Urban Blue Structures

Stropi Promenade



- Stropi Promenade is **2.65 km** in length;
- The main promenade footpath is **4.5 m** wide;
- The most prominent feature of the promenade is the large pontoon at the beach that juts more than 70 metres into the lake, boasting 2 pools

Urban Blue Structures

Cietoksnis Promenade
(in progress)



Urban Blue Structures

Cietoksnis Promenade

(in progress)

- Development of ~950 m of Daugava river bank adjacent to the fortress;
- New pedestrian footpaths mirror the unearthed historical roads;
- Historical sluice, wells and a borderstone has been discovered in the process of construction;
- A pier has been installed in place of former pontoon bridge



Urban Blue Structures

Cietoksnis Promenade

(in progress)



Endangered Blue Structures

Laucesa Floodplain



Endangered Blue Structures

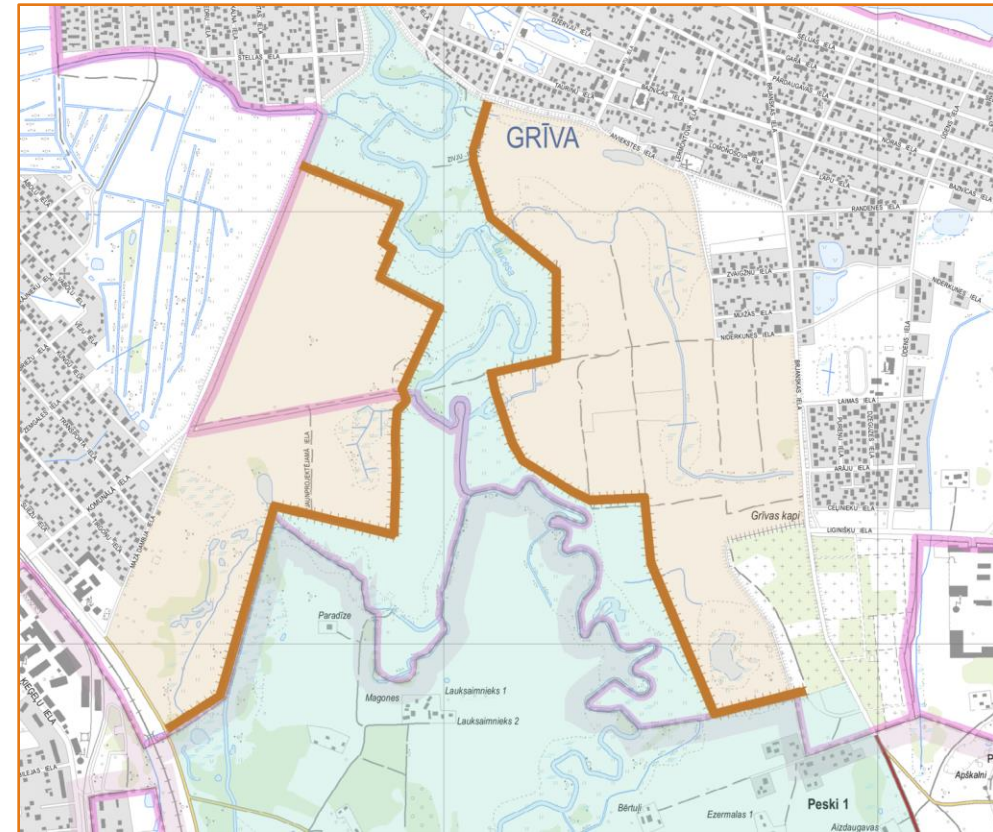
Laucesa Floodplain



Endangered Blue Structures

Laucesa Floodplain

- A set of dams has been proposed by the Daugavpils municipal government;
- This would effectively more than halve the Laucesa Floodplain;
- Unlikely to be realised in the foreseeable future due to population decrease and related socio-economic considerations;
- Proposal invites discussion on urban growth vs. nature protection



Paldies! / Ačiū! / Thank you!