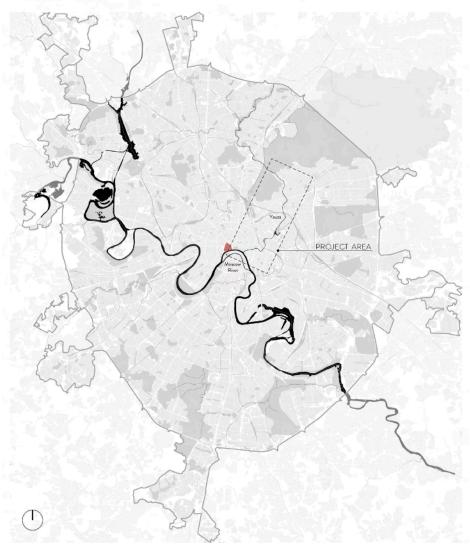
# STRATEGY OF DEVELOPMENT

Moscow, Russia

2021

# Project area / City scale

Location



Yauza River / Bernikovskaya embankment

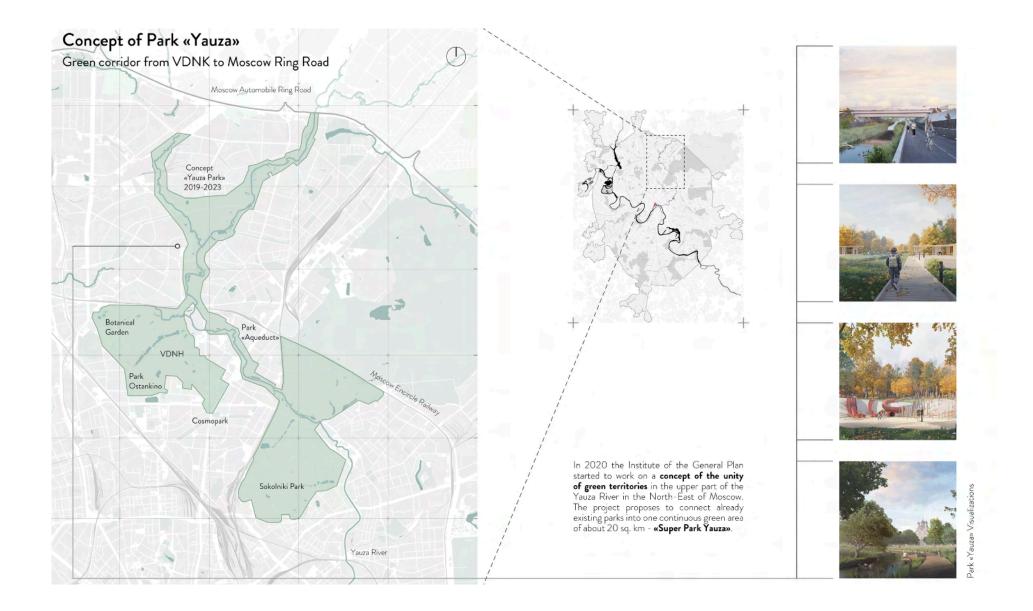


urban landscape

rural landscape

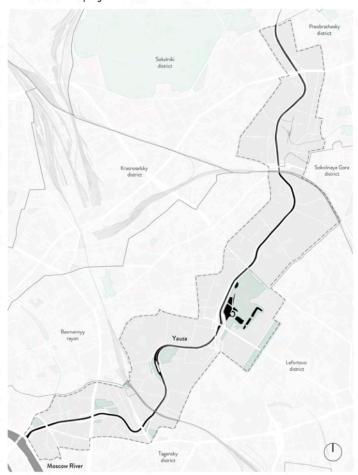


Yauza River / Medvedkov district



# Project area / Districts scale

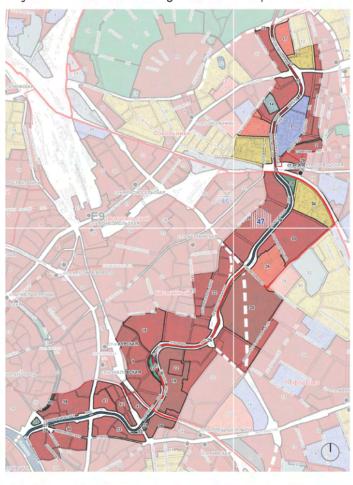
Definition of project area



Yauza is the largest tributary of the Moskva River, the second largest river in the capital. Length is 48 km, within city limits - 29 km. It has a drainage basin of 452 square kilometers, within the city - 272 km2.

Yauza starts from the swamps of Losiny Ostrov and flows in the Medvedkov and Babushkin districts, crosses the Okruzhnaya railway, Prospekt Mira, Yaroslavskoe, Kazanskoe, Kursk directions of the railway, and the Garden Ring, It joins the Moscow River in Tagansky District at the Bolshoy Ustinsky Bridge next to the Kotelnicheskaya Embankment tower.

### Project area on the functional diagram of the Masterplan 2025





### Moscow's Urban Structure

### Population settlement pattern and distribution of jobs

Moscow is almost the only Russian city that maintained its medieval organization. The urban structure formed by a historical radial-annular system strongly affects the formation of urban units.



6.5% of territory 62% of workplace

The city center occupies 6.5% of the total area and has highly dense low-rise urban tissue, meanwhile, the periphery has larger-scale units with high buildings and the less dense structure of its roads and streets network.



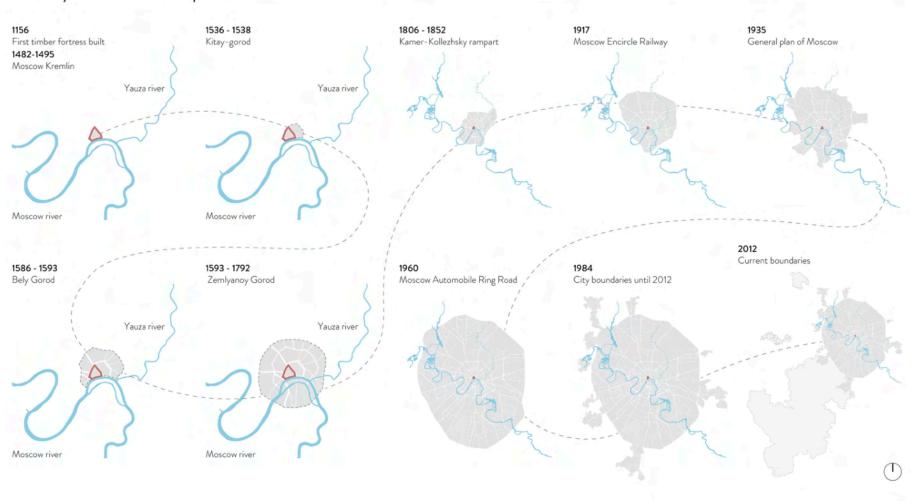
93.5% of territory 92% of population

The disbalance of the existing urban tissue causes disharmony in the distribution and accessibility to the public green spaces. It also complicates the creation of a continuing green chain. Additionally, this problem is enhanced by the uneven location of natural reserves and water resources.

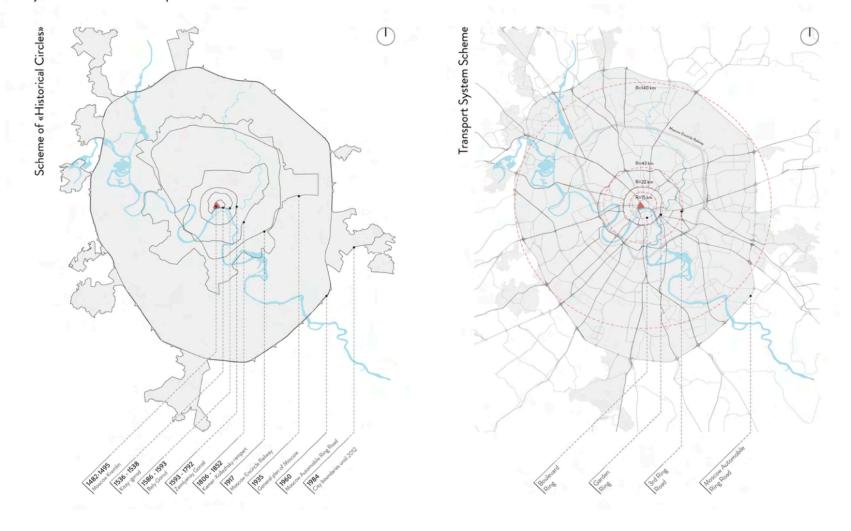


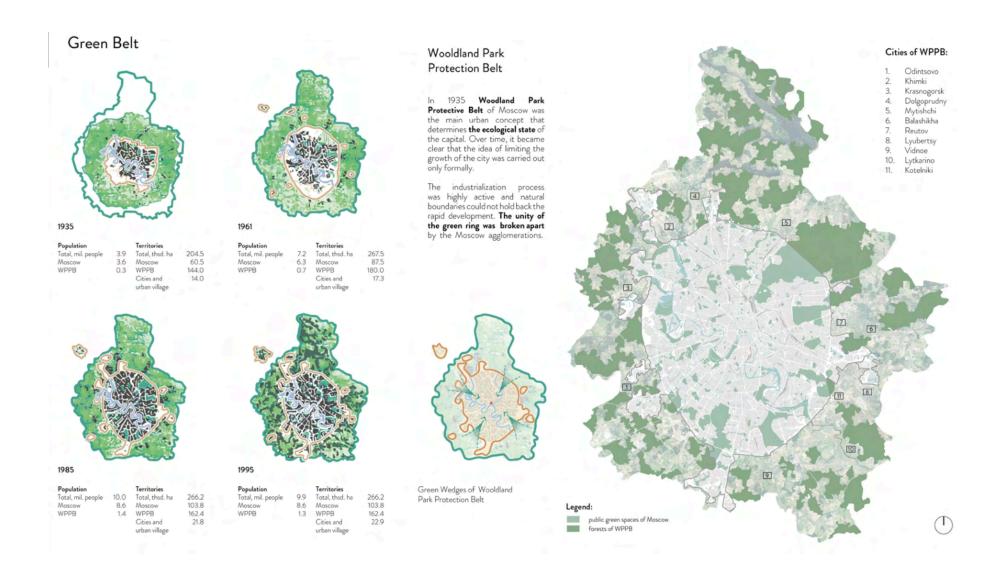
Green areas occupy 34% of the total area of Moscow

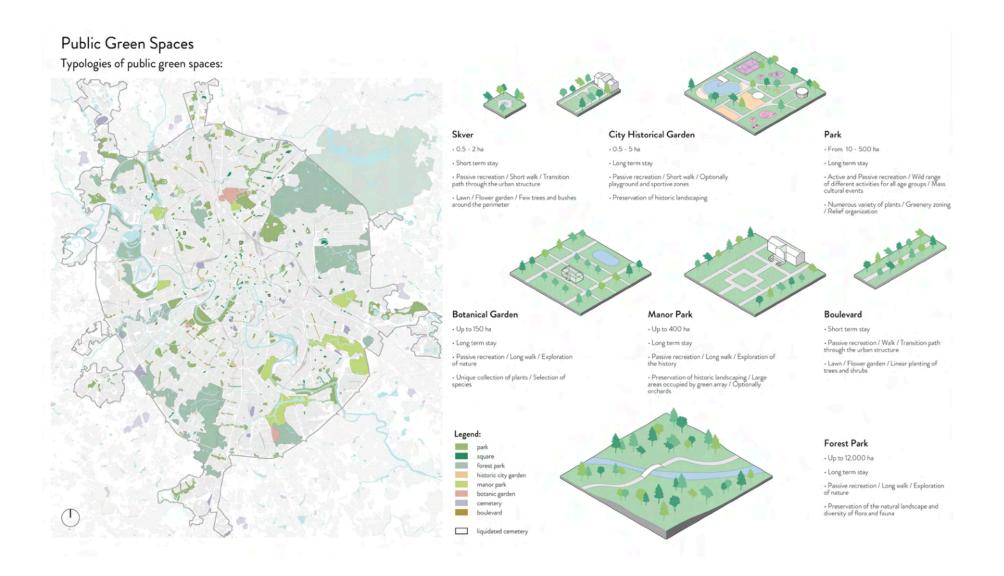
# History of Moscow Development



# History of Moscow Development









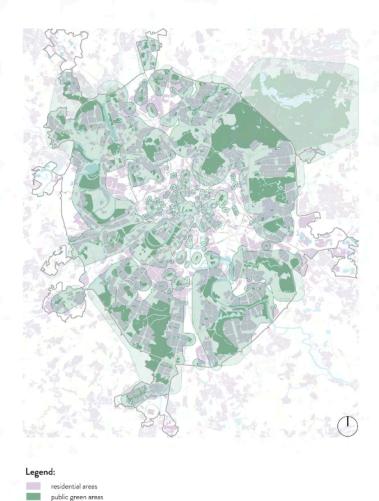
# Distribution of Green Areas

Pedestrian accessibility to public green areas



### Distribution of Green Areas

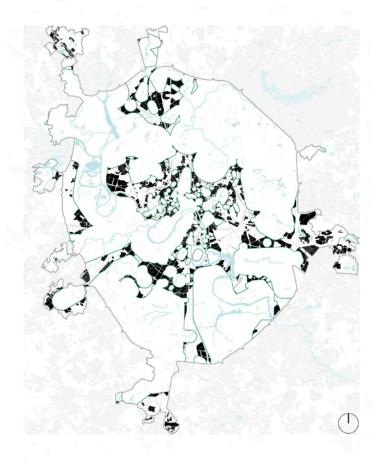
### Pedestrian accessibility to public green areas



This research is demonstrating the pattern of distribution of green facilities around the city. It can be identified that the city center has a dense concentration of "green island" while L-size natural territories are equally spread on the periphery of Moscow.

Joining all green areas together with their accessibility radius demonstrated the territories of residential units that possibly experienced a lack of natural facilities. The last diagram shows the gap between a dense city center and a wild periphery.

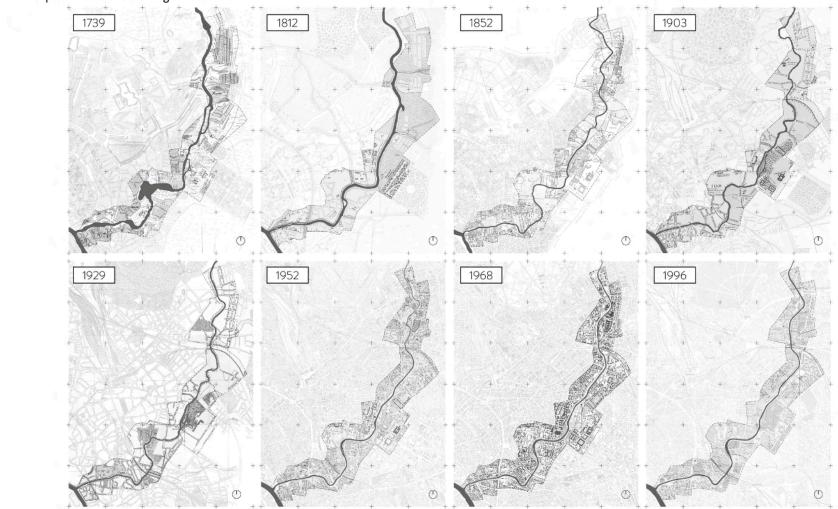
As we can see Moscow has high potential to develop a large chain of green spaces connecting them in one united soft mobility system.





# History of the Yauza River

Historical maps of coastal areas along the Yauza river







History of the Yauza River

Construction periods of coastal areas along the Yauza river

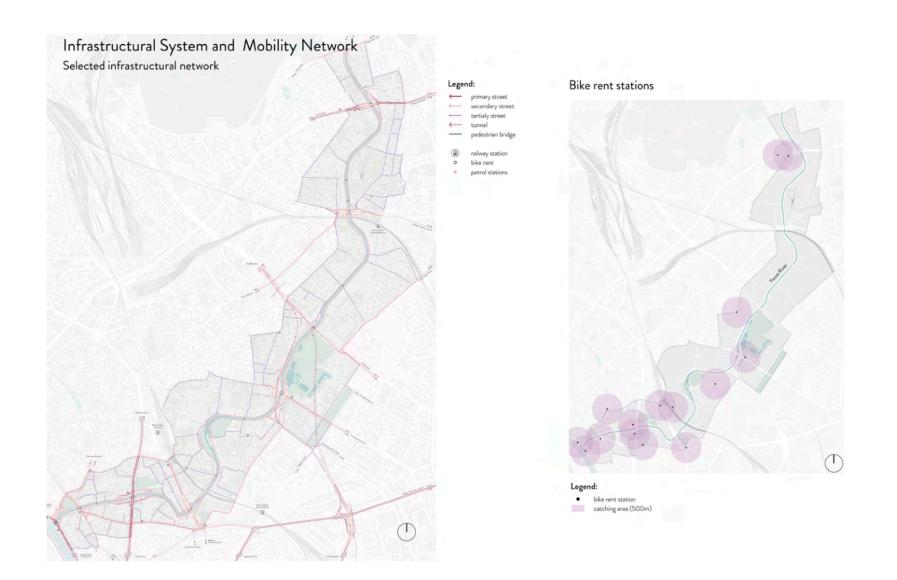


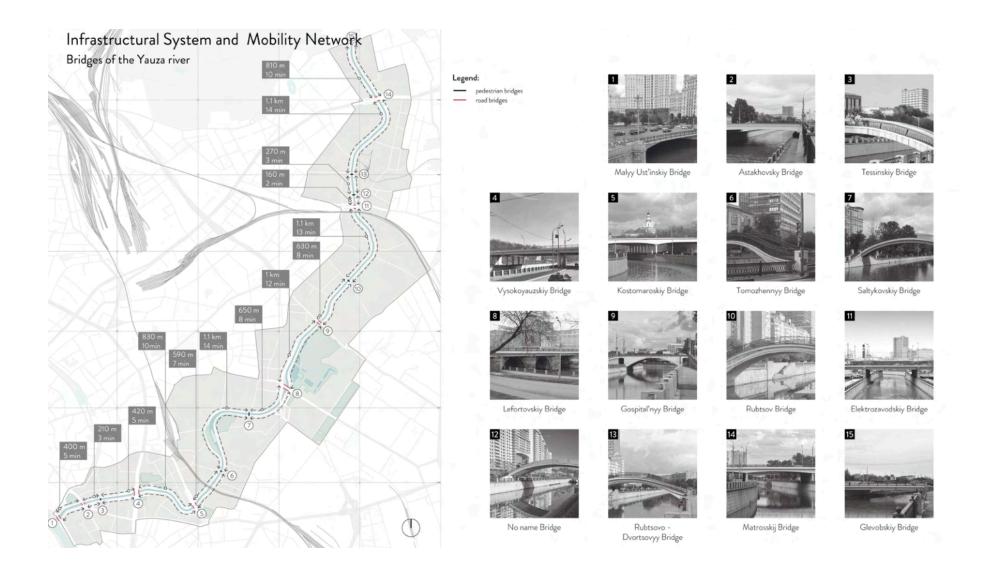


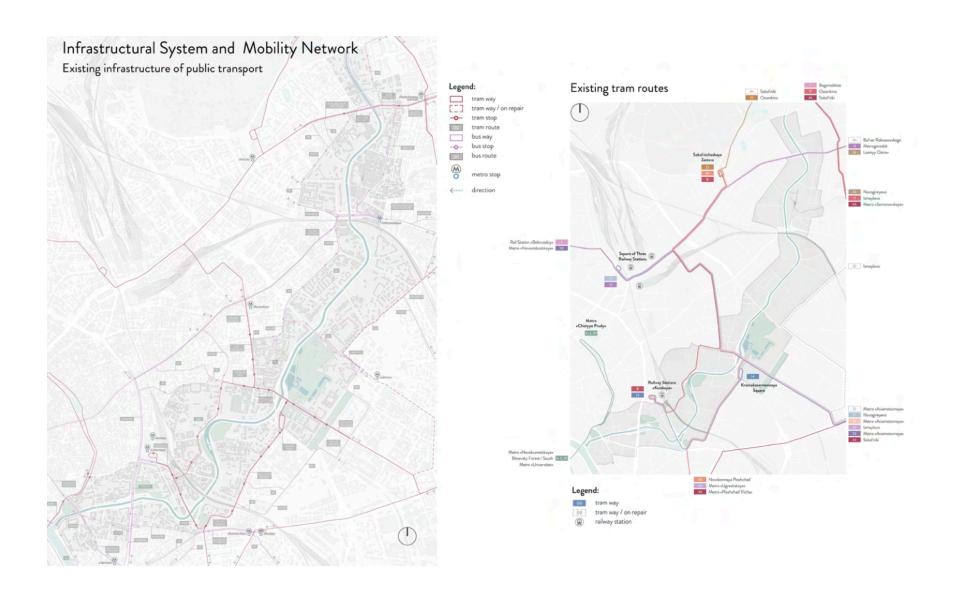


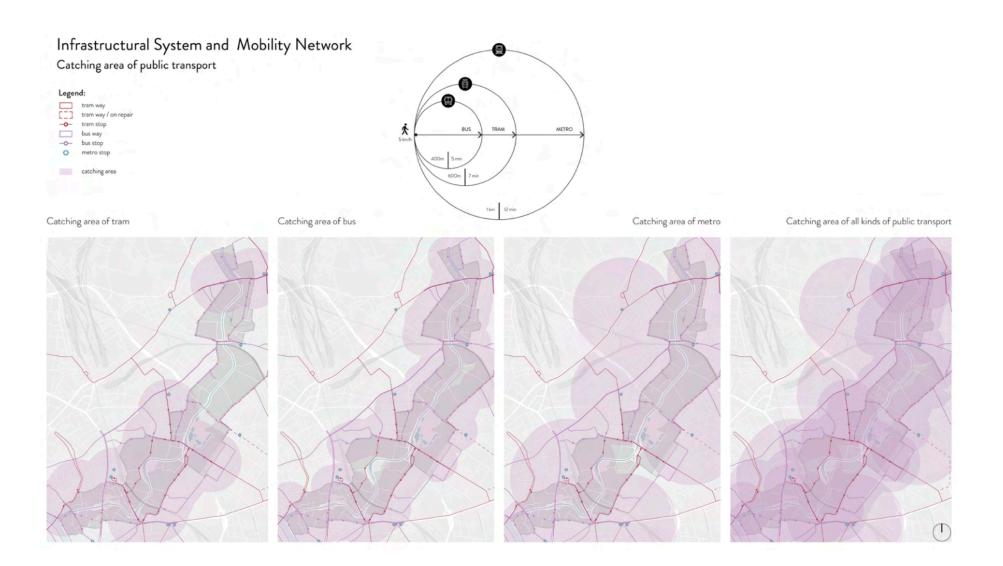




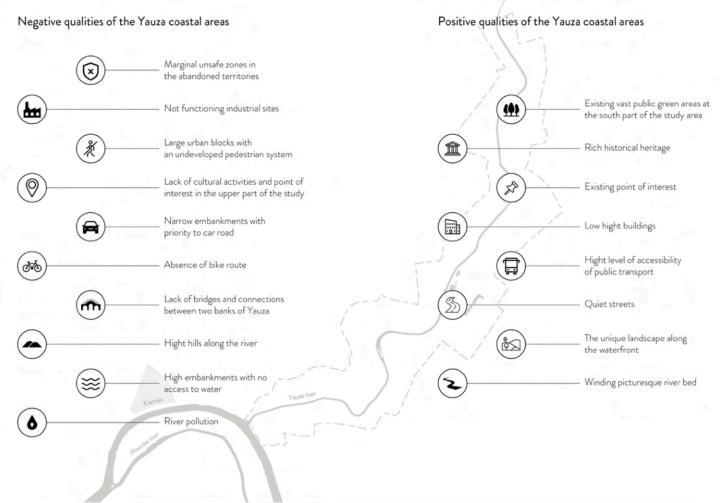


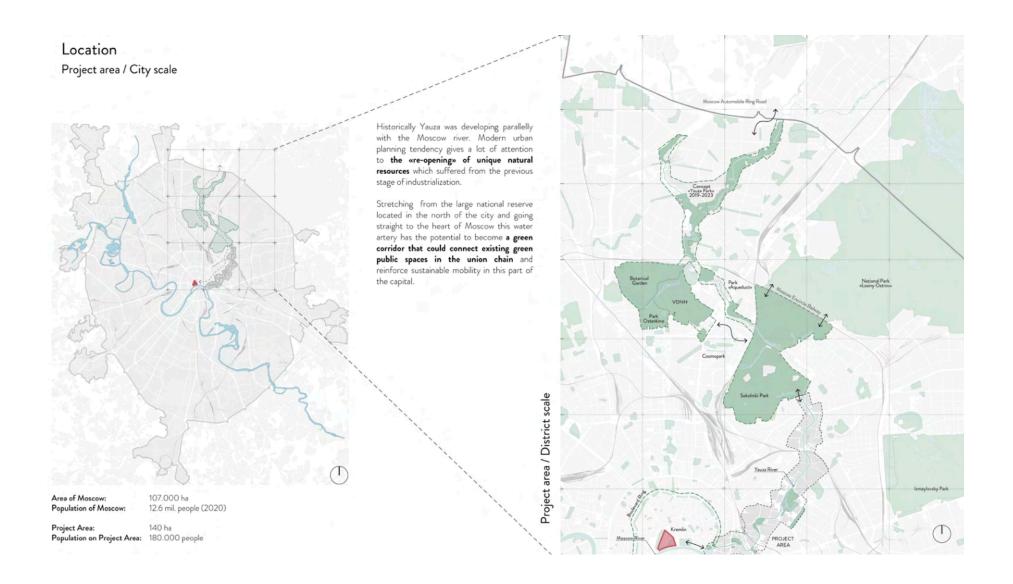


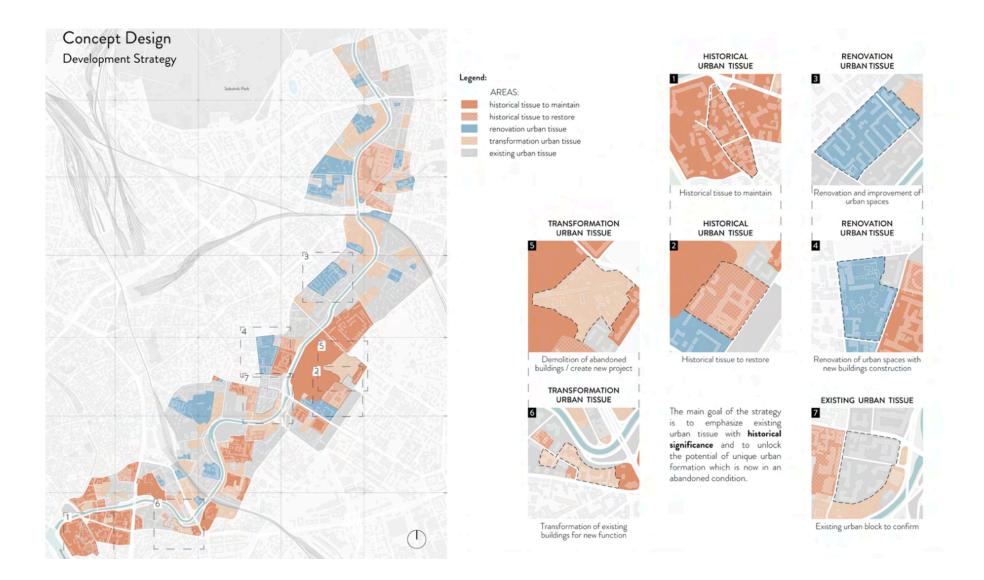


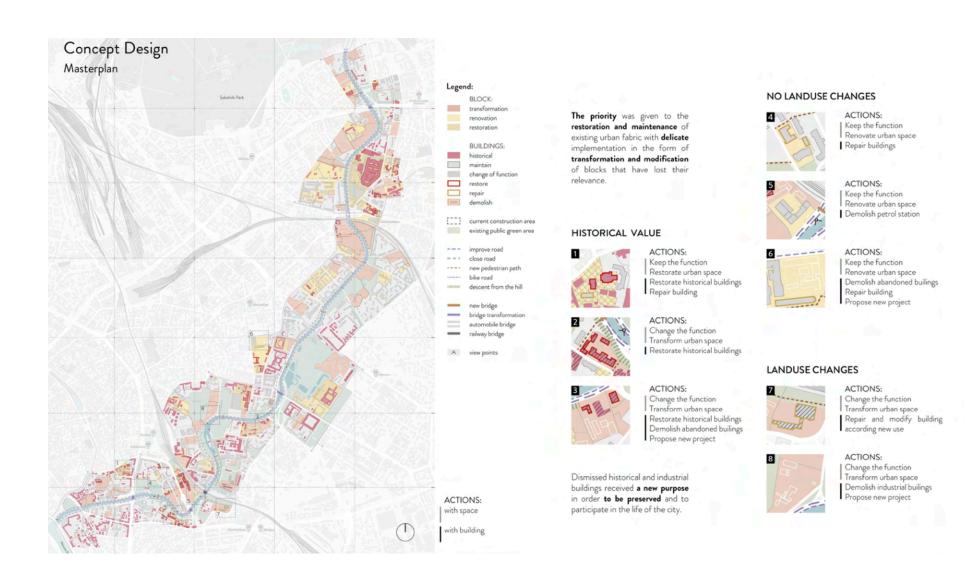


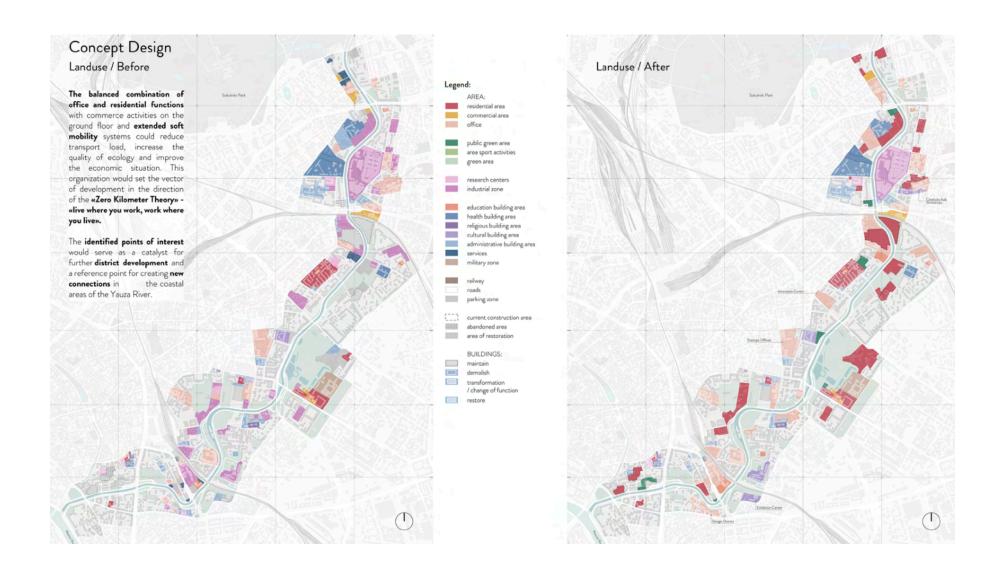
# Key point Qualities



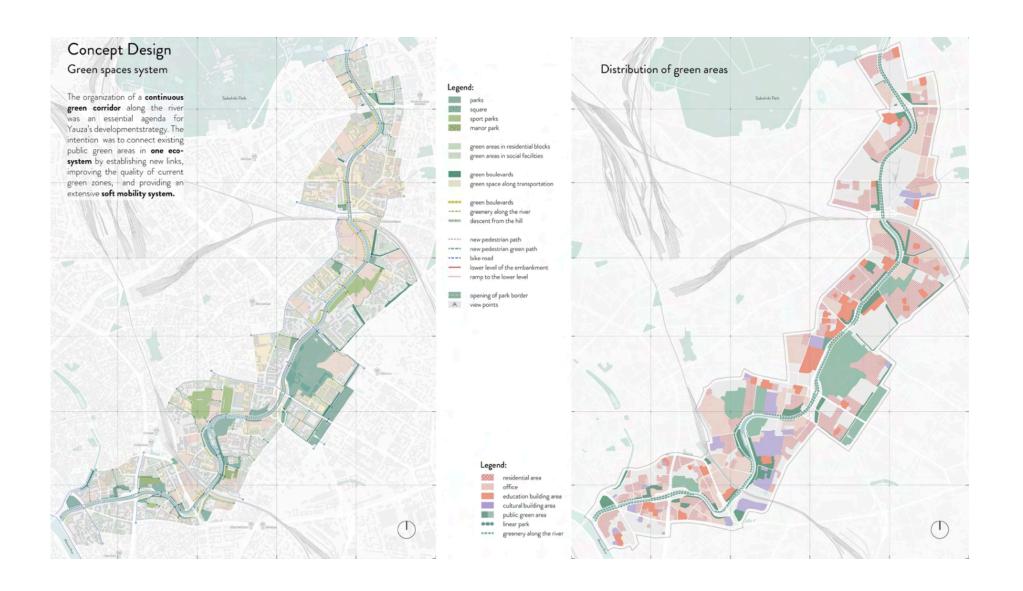




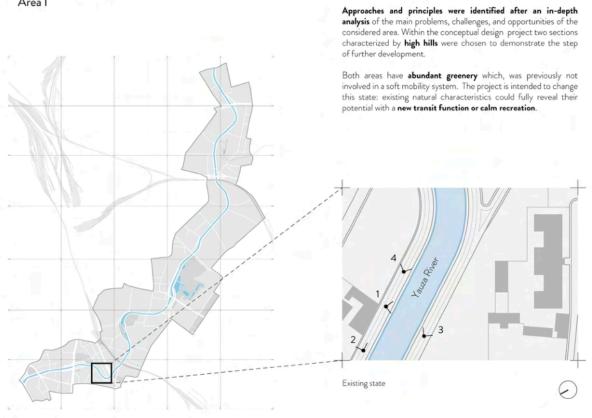








## Concept Design Area I







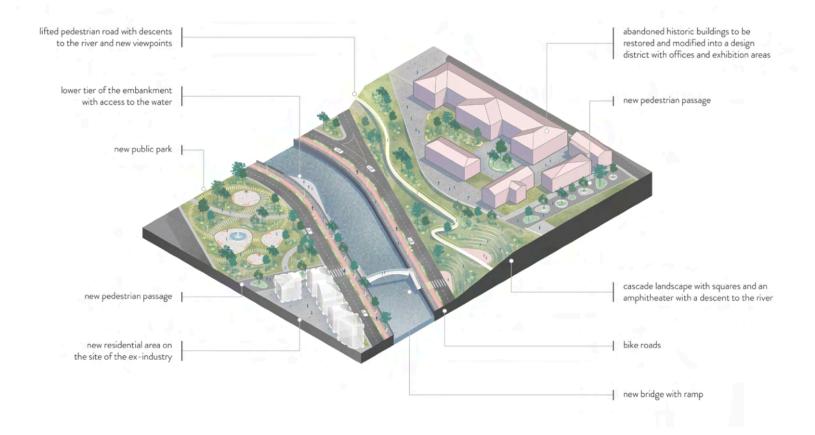


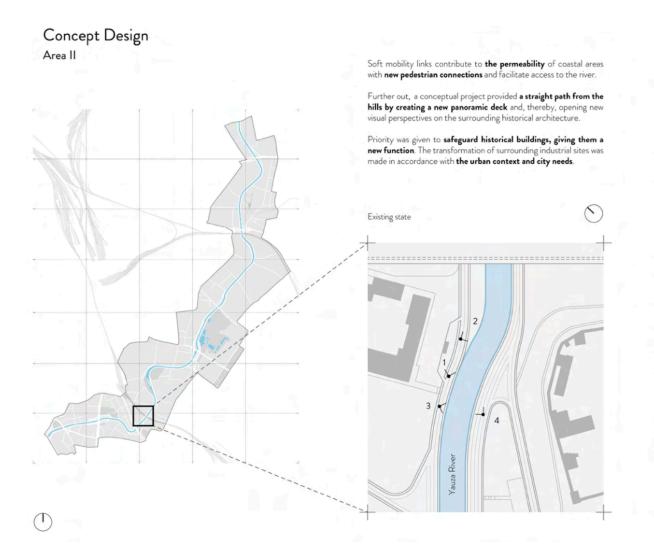




# Concept Design

### Axonometry I







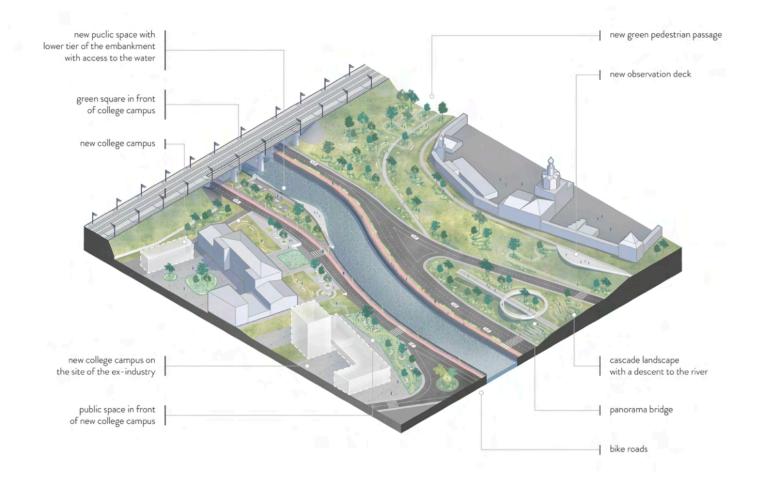




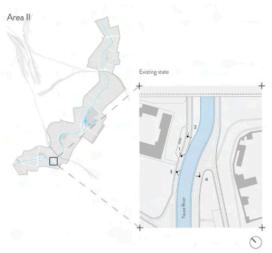


# Concept Design

### Axonometry II



# Area II













Approaches and principles were identified after an in-depth analysis of the main problems, challenges, and opportunities of the considered area. Within the conceptual design project two sections characterized by high bills were chosen to demonstrate the steep of further development.

Both areas have abundant greenery which, was previously not involved in a soft mobility system. The project is intended to change this state existing natural characteristics could fully reveal their potential with a new transit function or calm recreation.







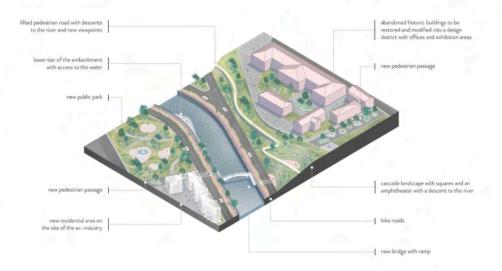
Soft mobility links contribute to the permeability of coastal areas with new pedestrian connections and facilitate access to the Yanza river.

Further out, a conceptual project provided a straight path from the hills by creating a new panoramic deck and, thereby, opening new visual perspectives on the surrounding historical architecture.

Priority was given to sufeguard historical buildings, giving them a new function. The transformation of surrounding industrial sites was made in accordance with the urban context and city needs.



### Area I



### Area II

