



Re: Mariupol



Team



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Pavlo Zabotin



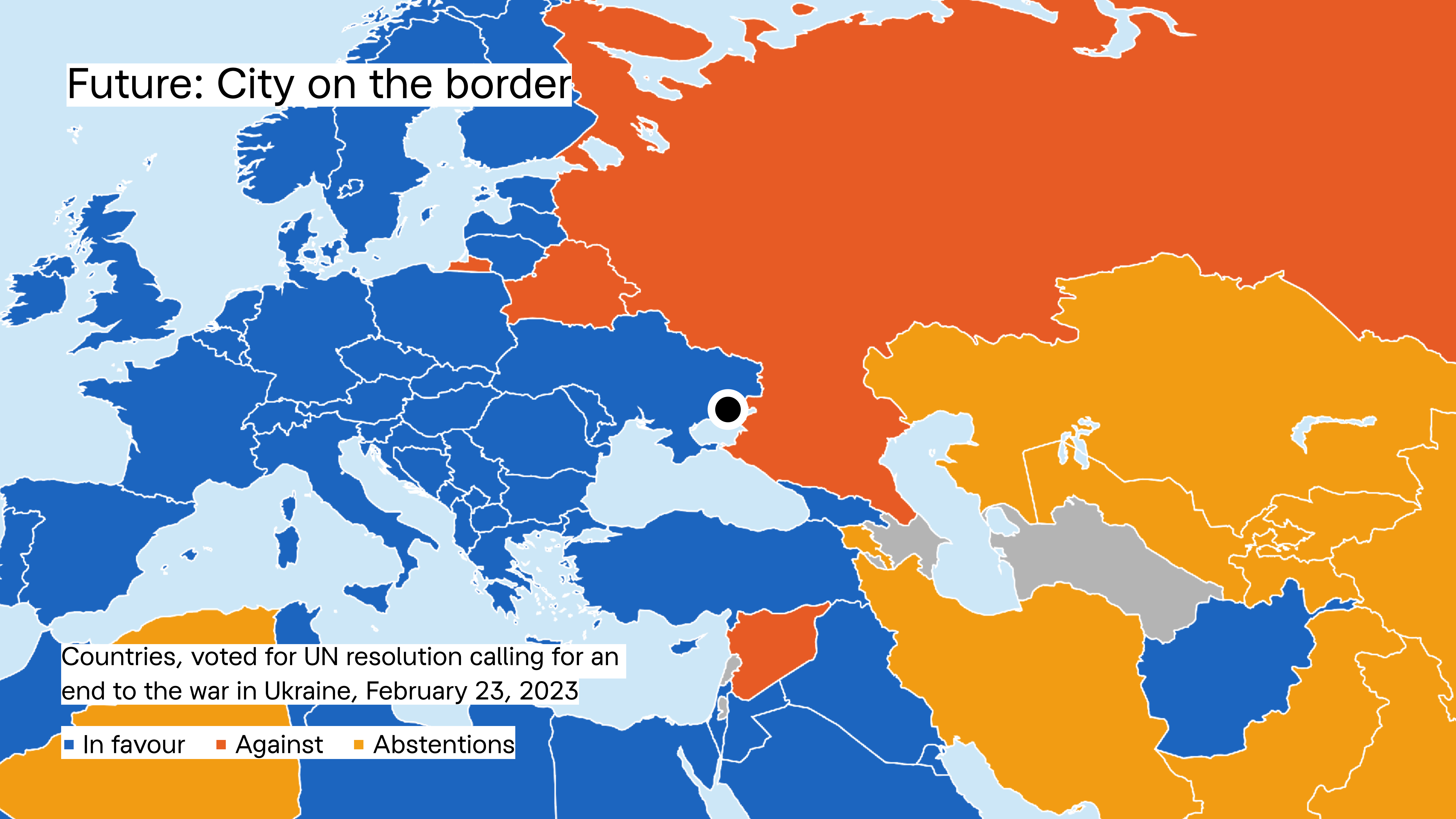
Viktor Kopeykin

How to attract people?
How to attract money?

Assumptions

1. Deooccupation of SE territories
2. Security guarantees
3. Growth of population of Mariupol
 - 2030 ↑ 400,000
 - 2035 ↑ 500,000
 - 2040 ↑ 600,000

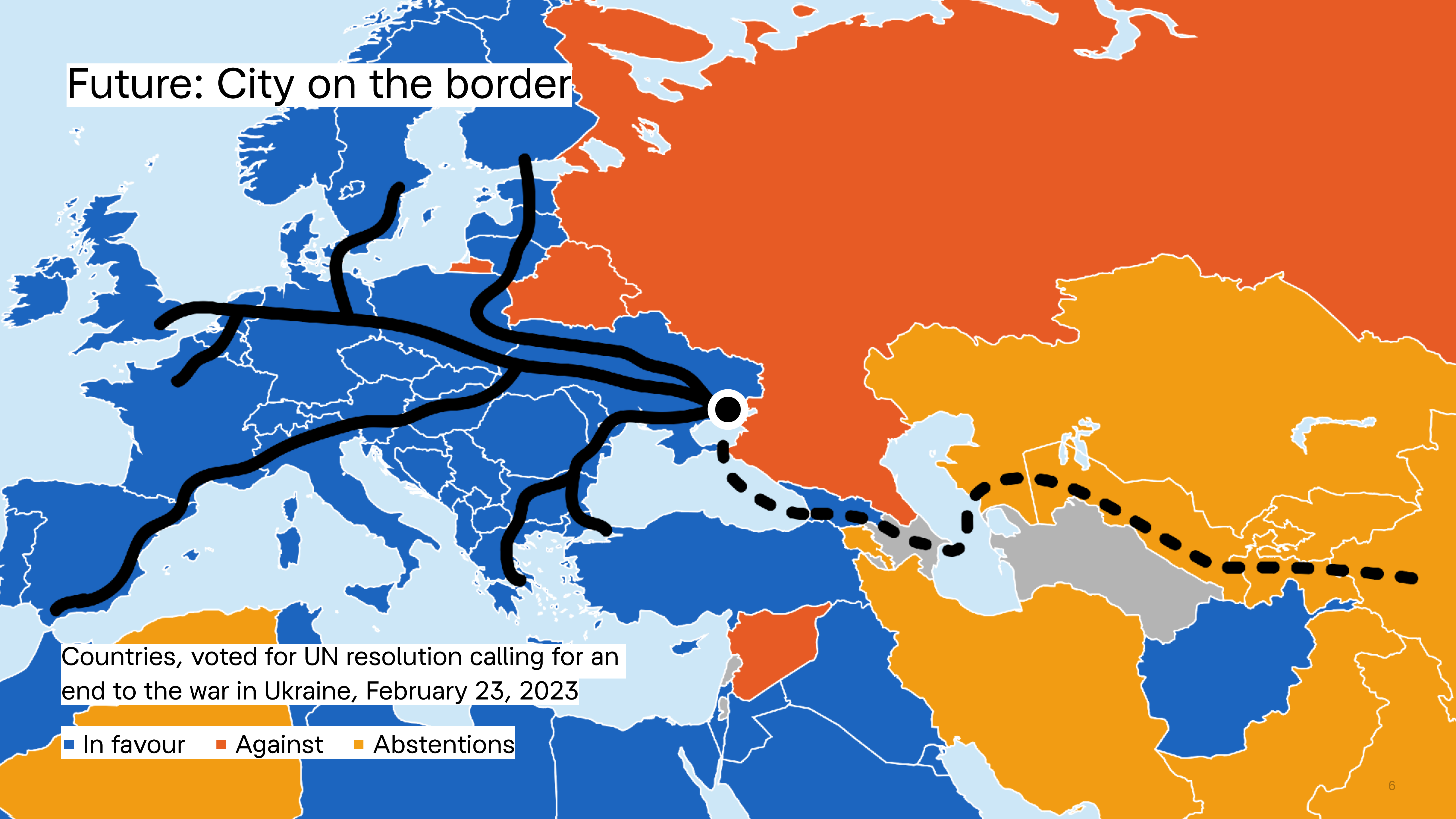
Future: City on the border



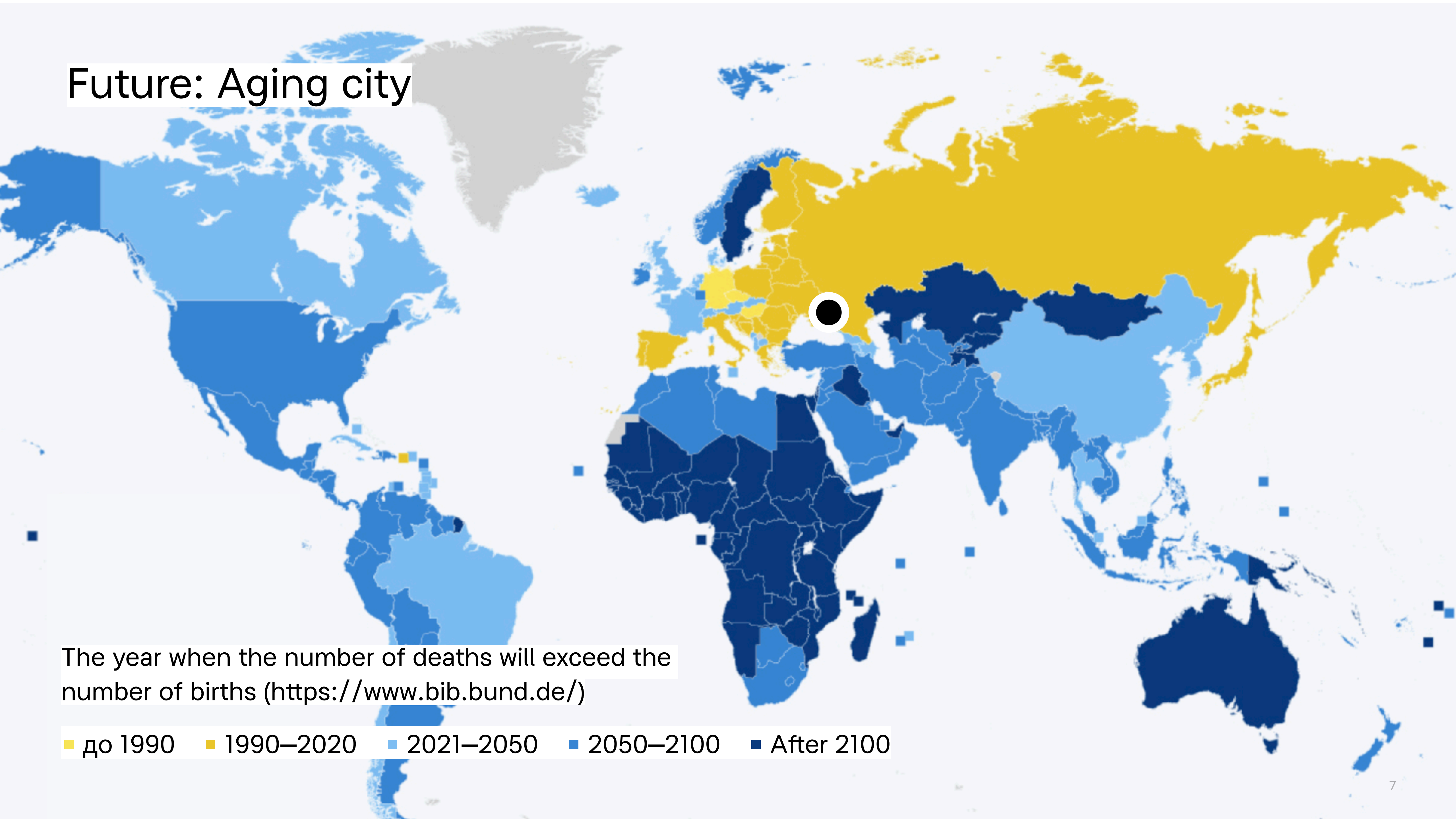
Countries, voted for UN resolution calling for an end to the war in Ukraine, February 23, 2023

■ In favour ■ Against ■ Abstentions

Future: City on the border



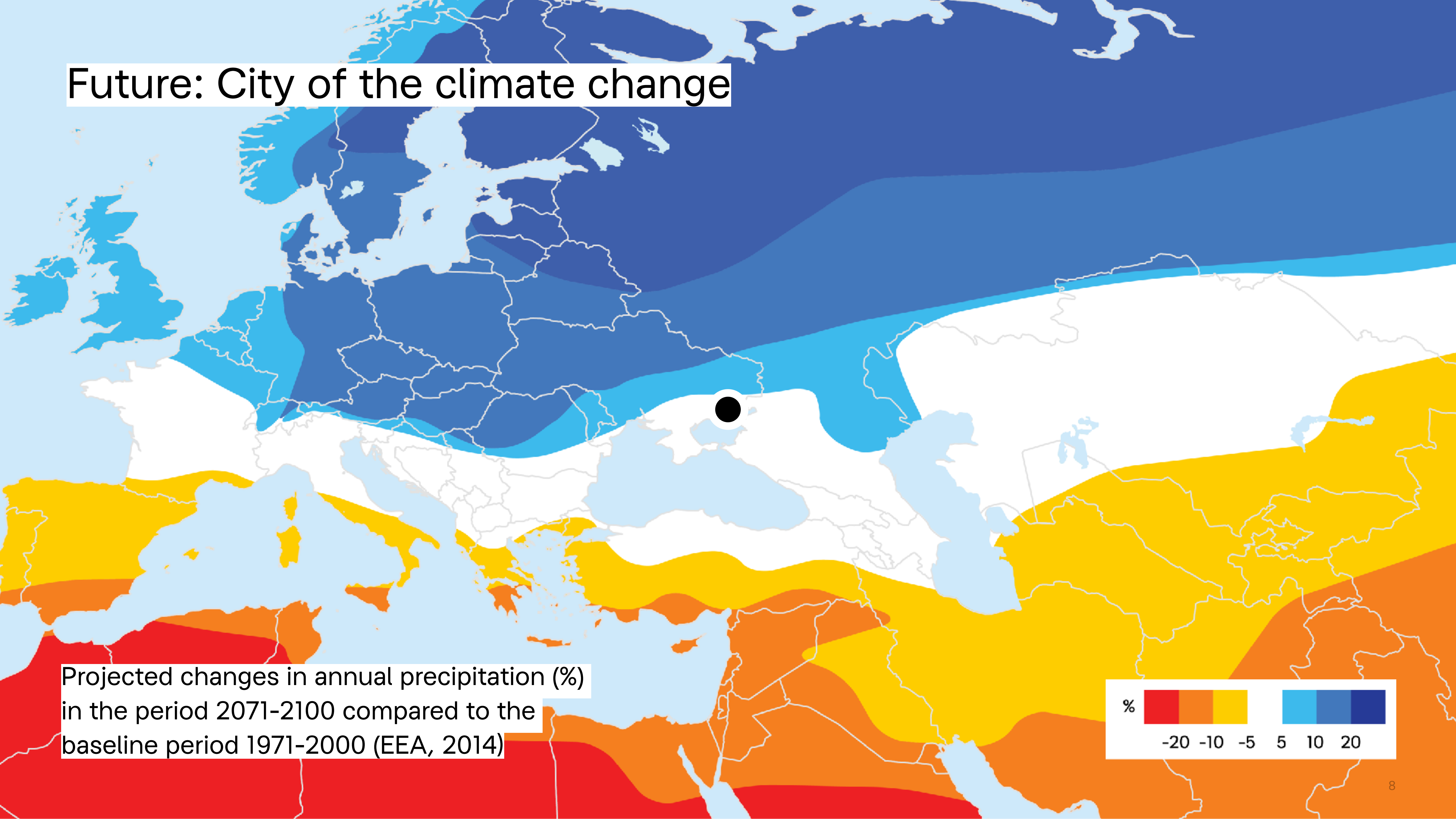
Future: Aging city



The year when the number of deaths will exceed the number of births (<https://www.bib.bund.de/>)

до 1990 1990–2020 2021–2050 2050–2100 After 2100

Future: City of the climate change

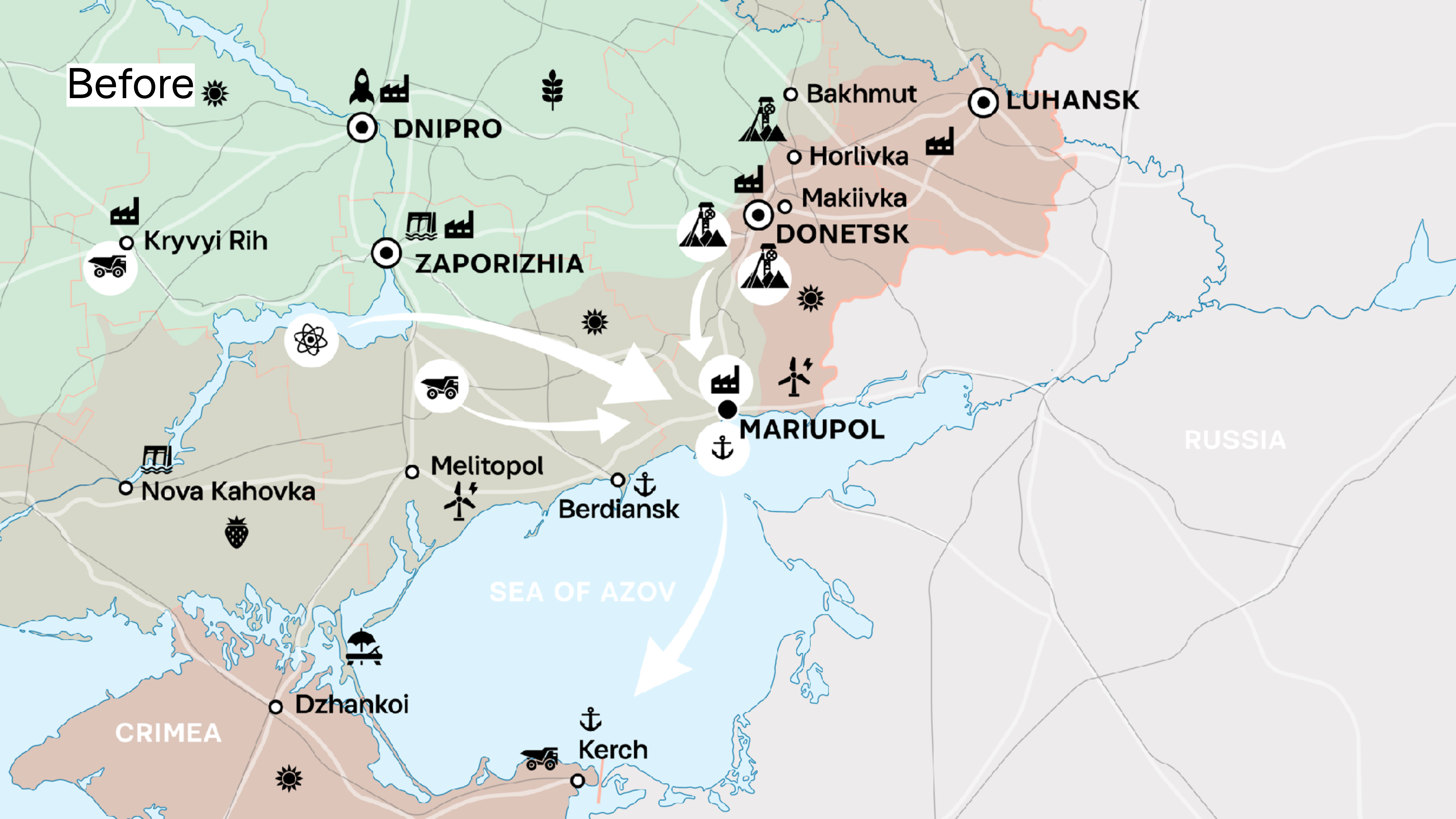


Future: City with the flooded areas

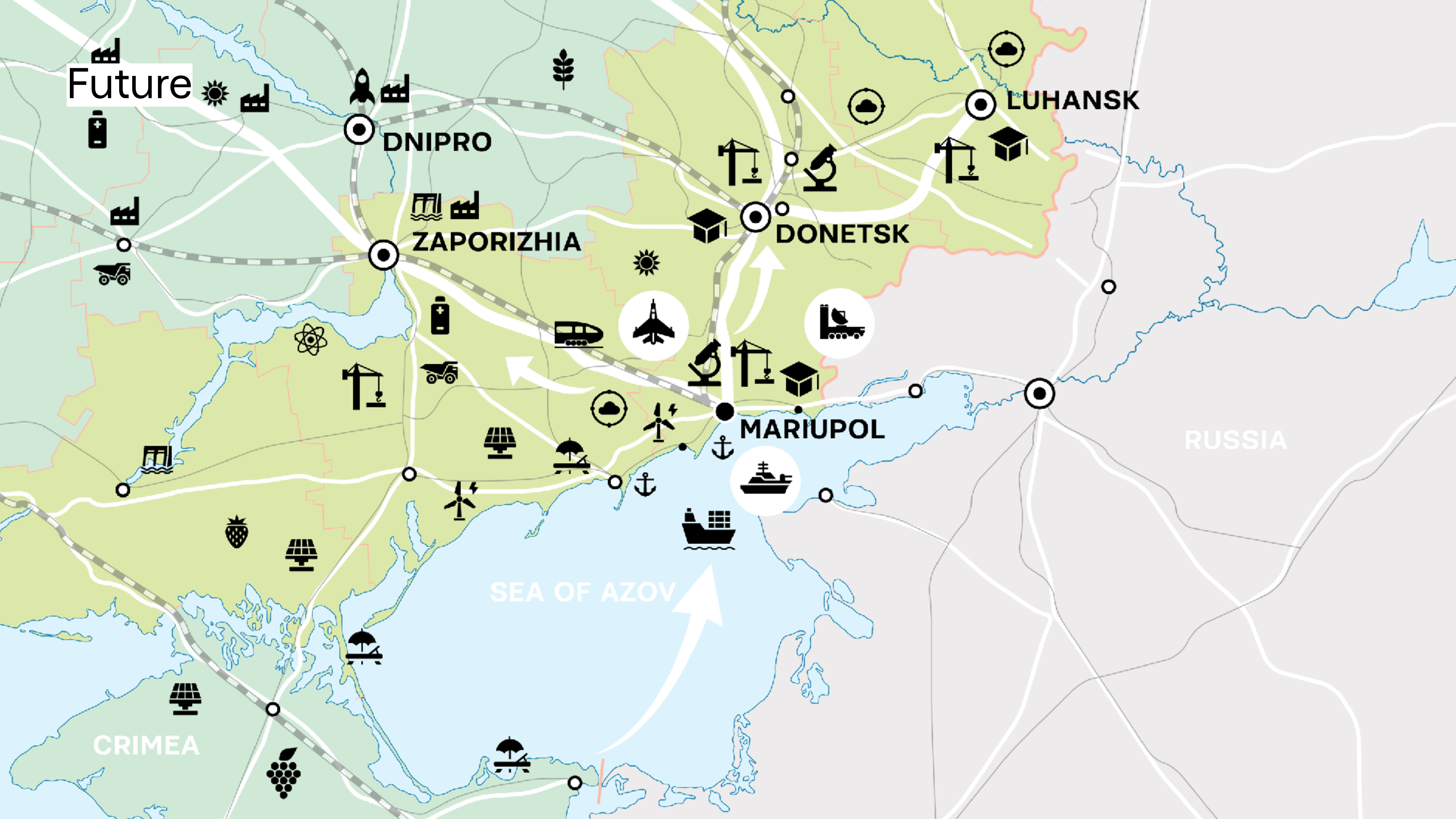
According to the research conclusions of the Center for Environmental Initiatives "Ekodiya", "given the high emissions of greenhouse gases in Ukraine and the world, the steady water level in 2100 may be 0.82 meters higher than it is now.

■ coast line, 2023 ■ coast line 2100 (forecast)

Before



Future



DNIPRO

ZAPORIZHIA

DONETSK

LUHANSK

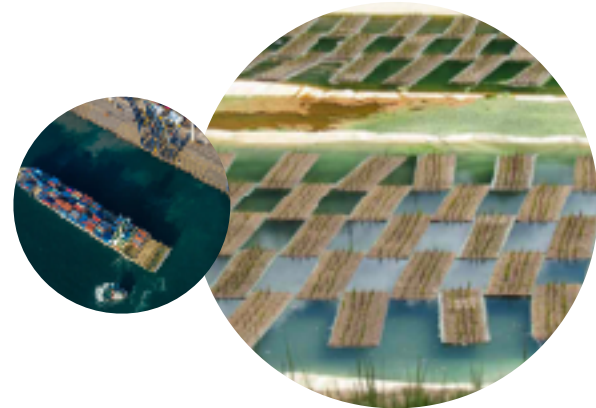
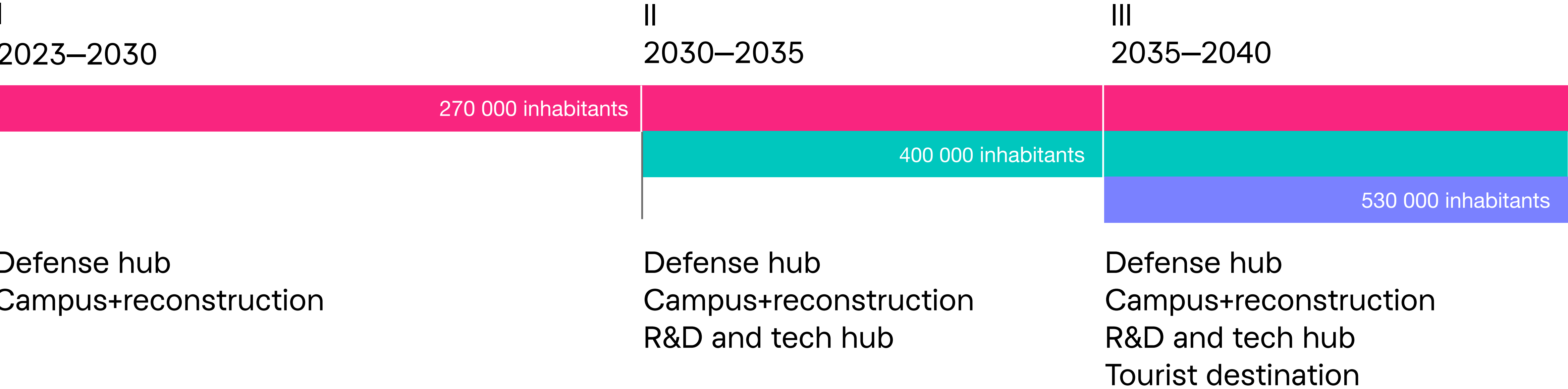
MARIUPOL

RUSSIA

SEA OF AZOV

CRIMEA

3 stages of transformation



Safe and secure city



Image: Paul Farley/Wikimedia Commons

Campus of the transformation



Image: Bauhaus Dessau

City of great green reconstruction and building



Image: Wikimedia Commons

City of high-tech creation, R&D hub



Image: Phonlamai/Depositphotos

City of quality education



Image: Space10

Attractive tourist destination



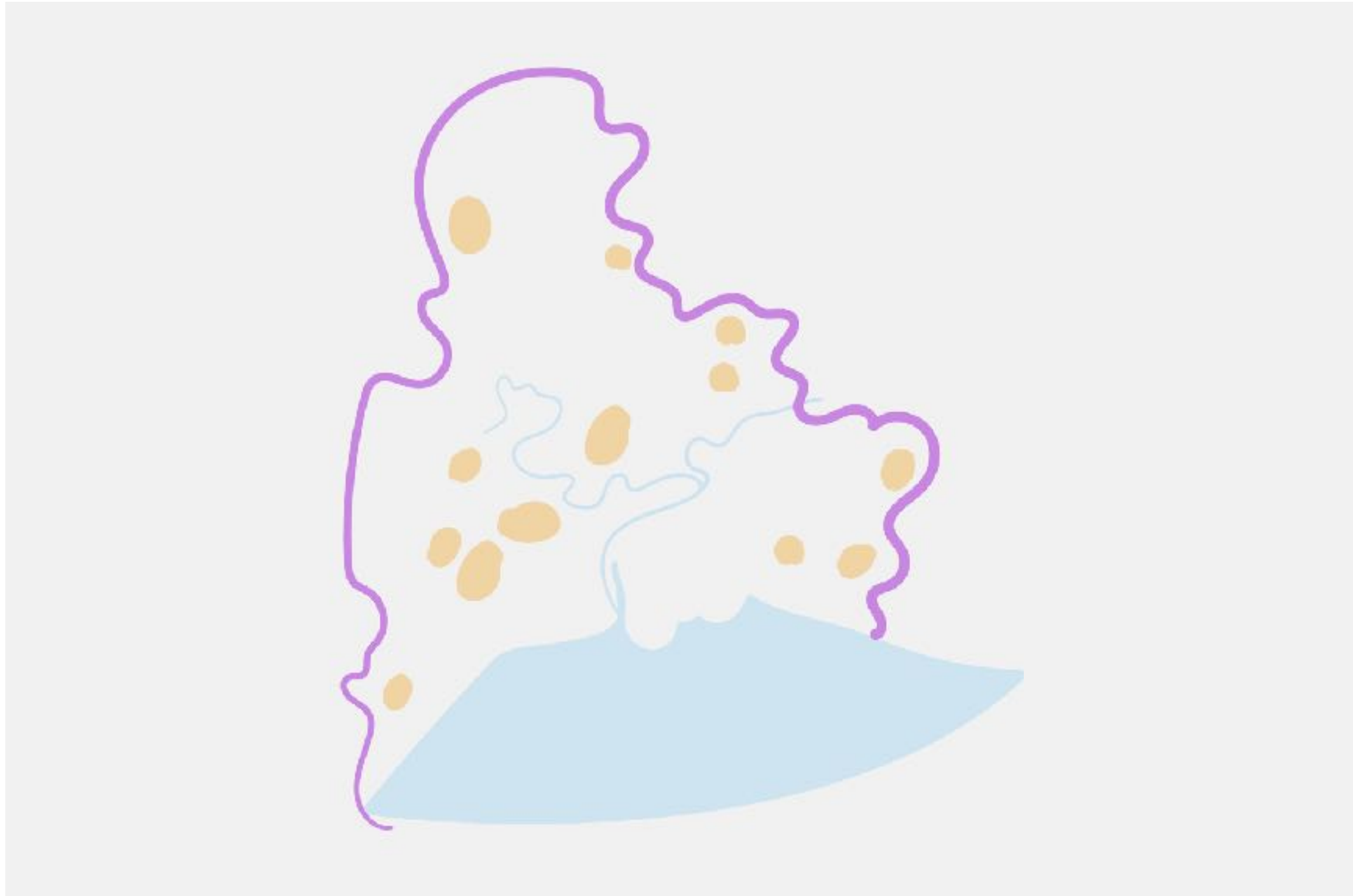
Image: arabotka.ua

People of Mariupol



What is the direction of change in space and architecture?

1. Density

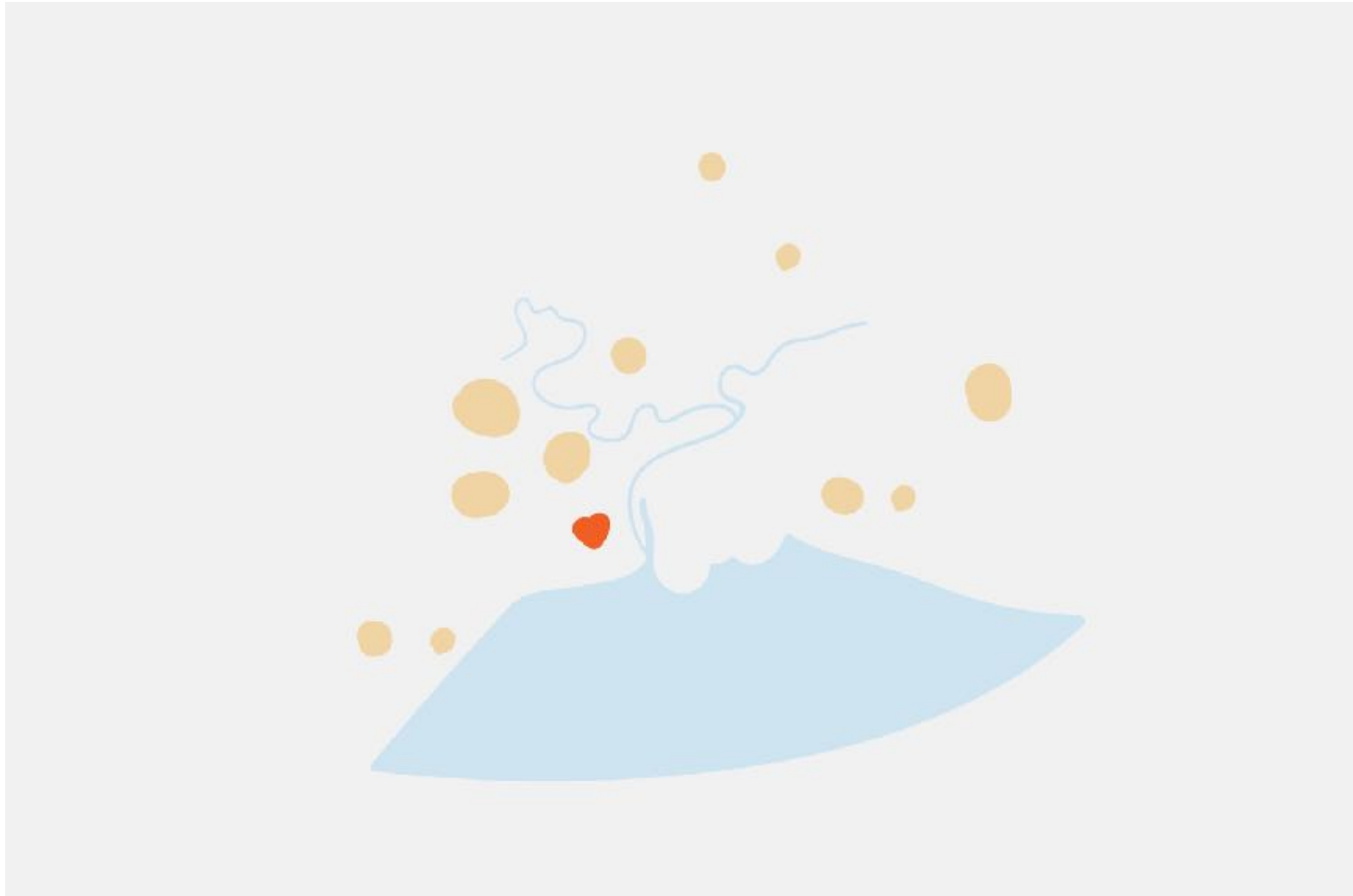


Before: large sprawling city with low density

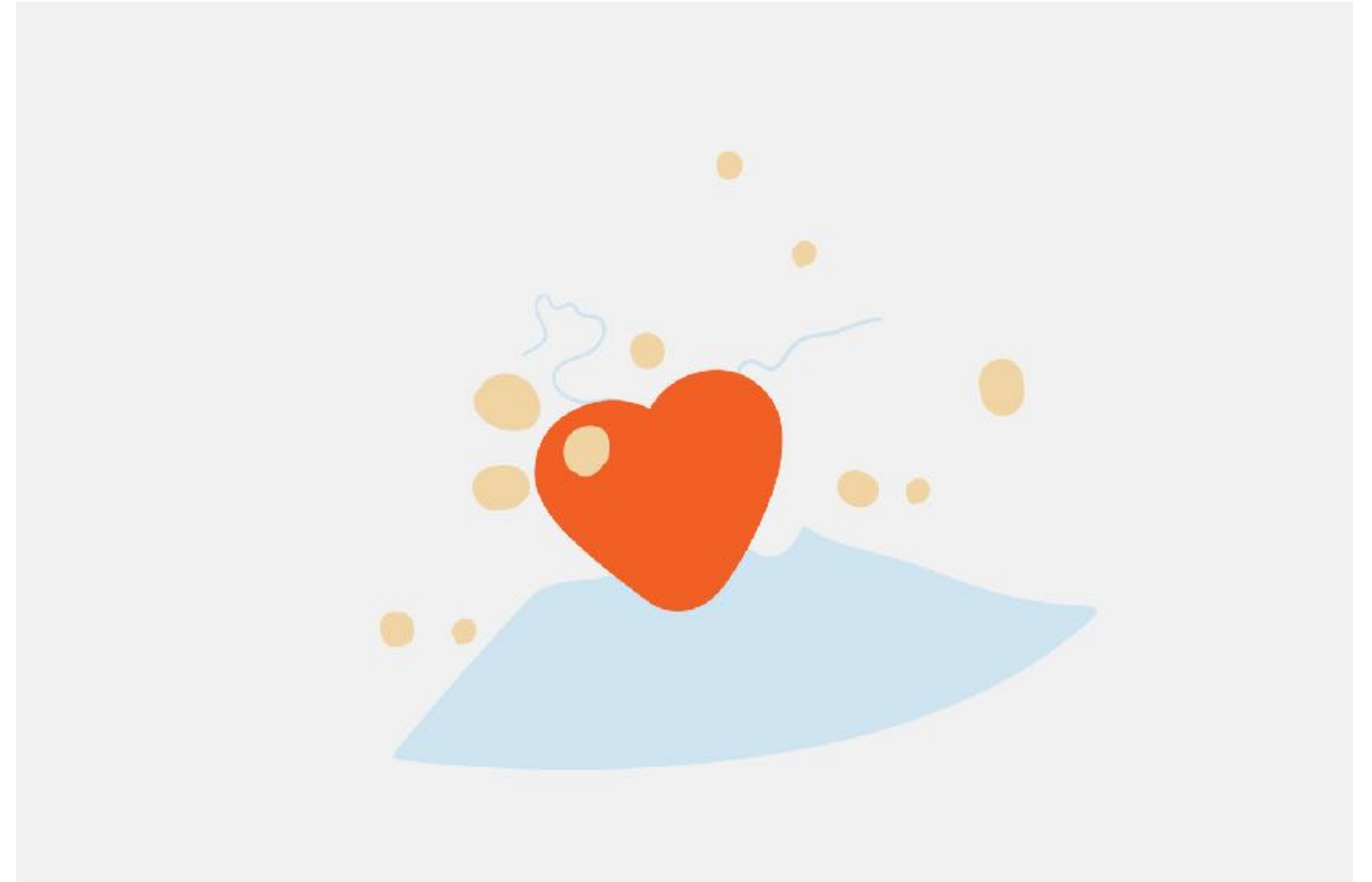


After: compact city

2. Center

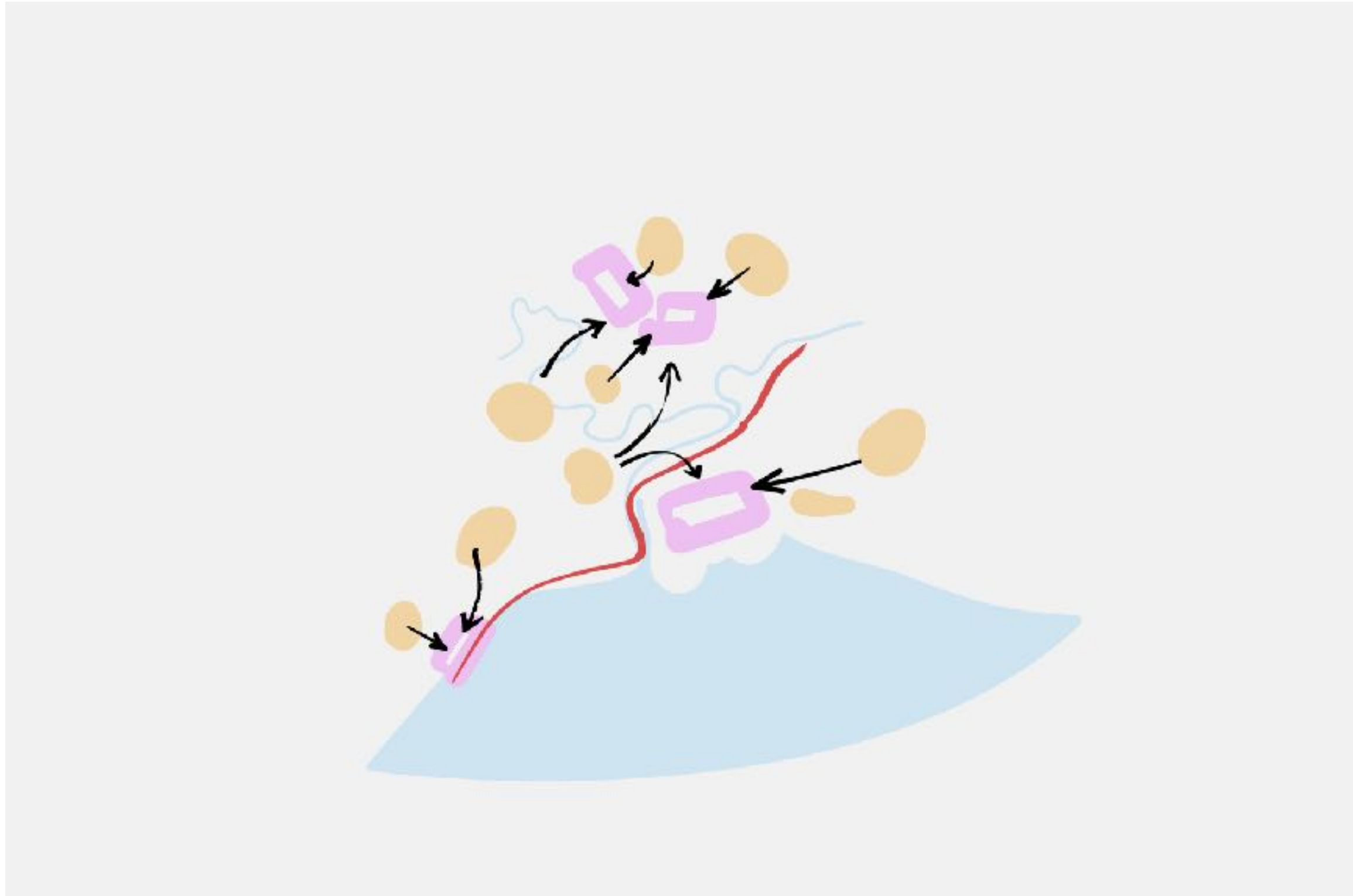


Before: city of neighborhoods



After: city of neighborhoods with a vibrant center

3. Focus

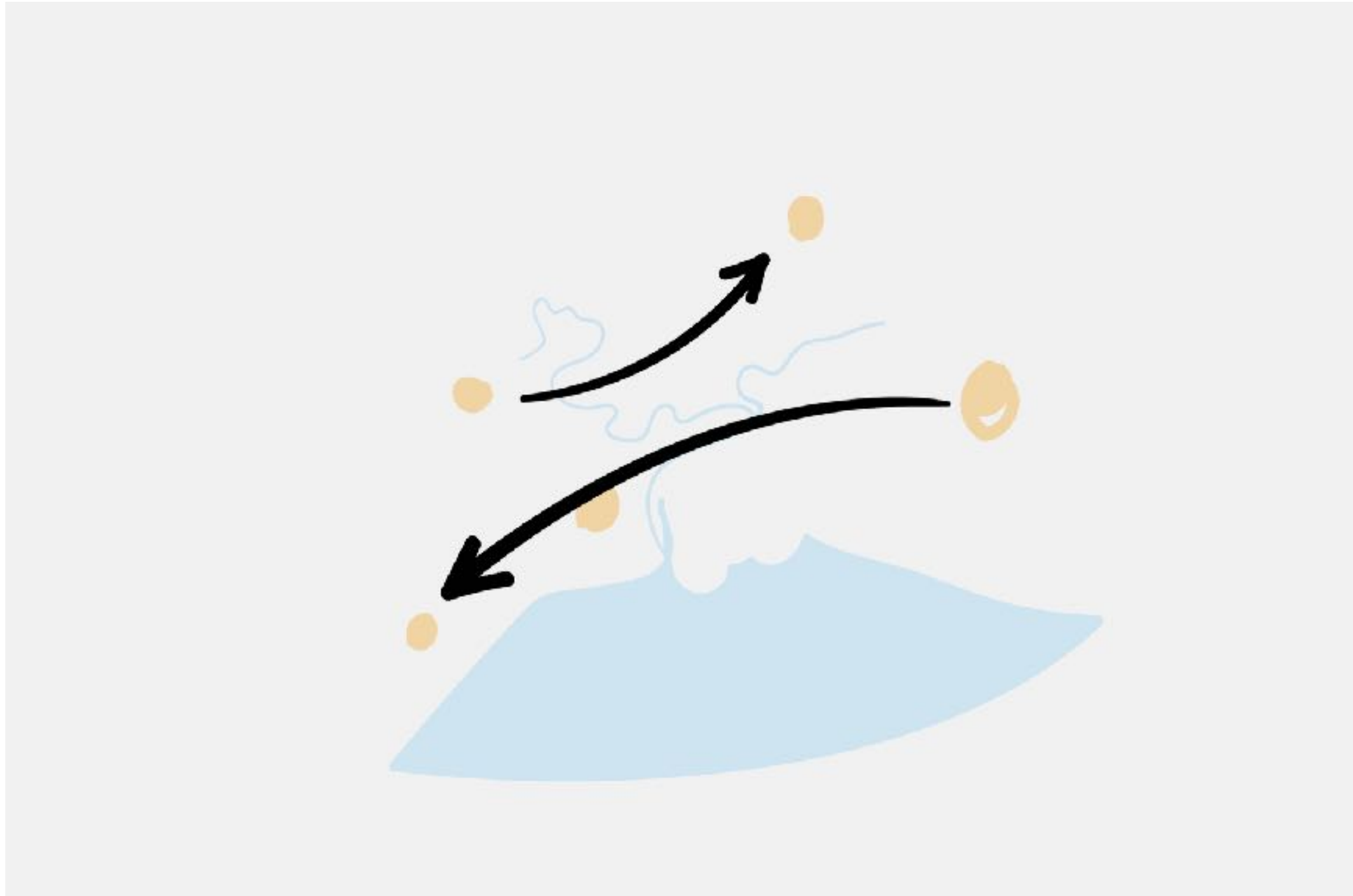


Before: industry-oriented city

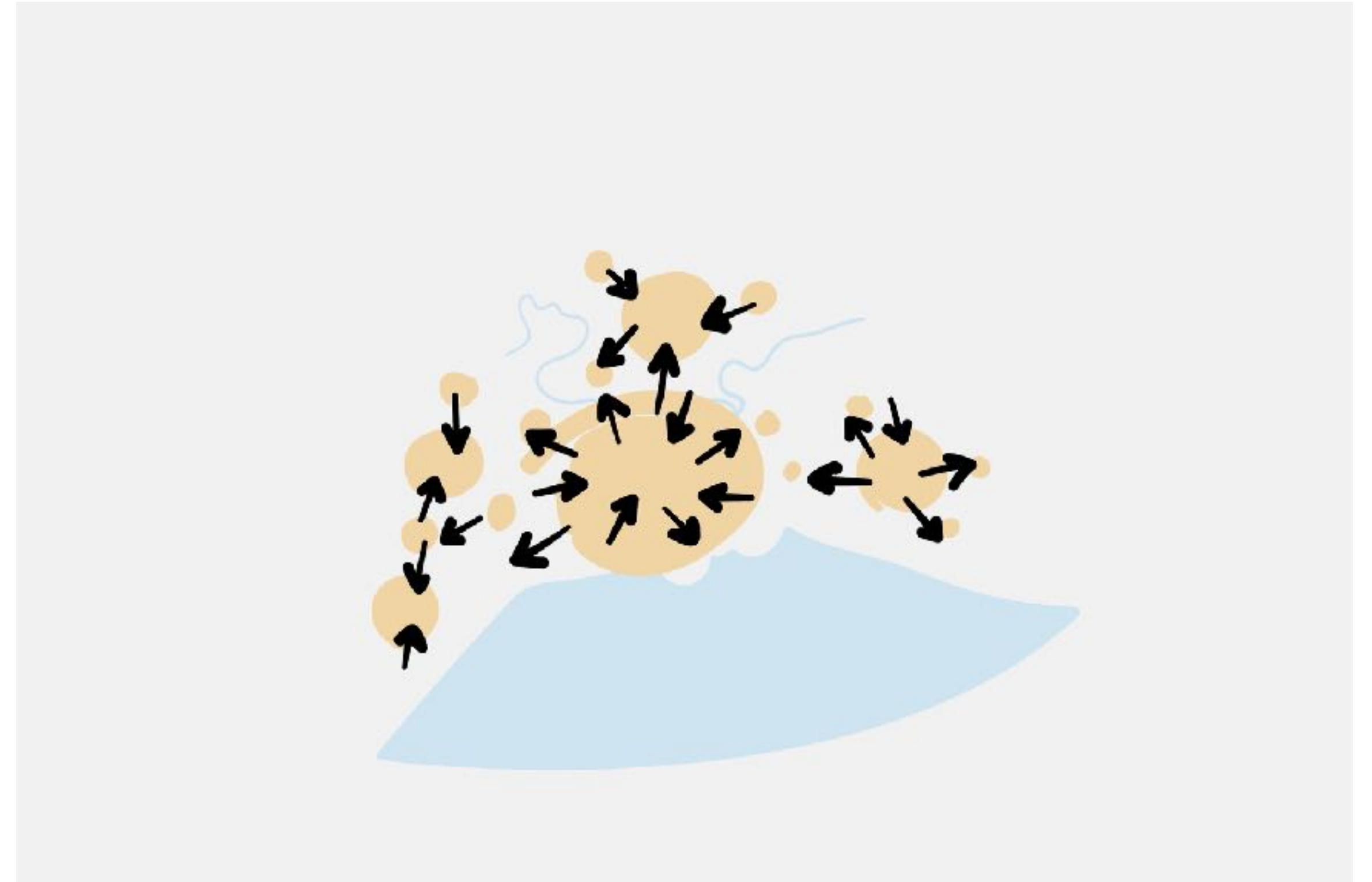


After: water-oriented city

4. Accessibility

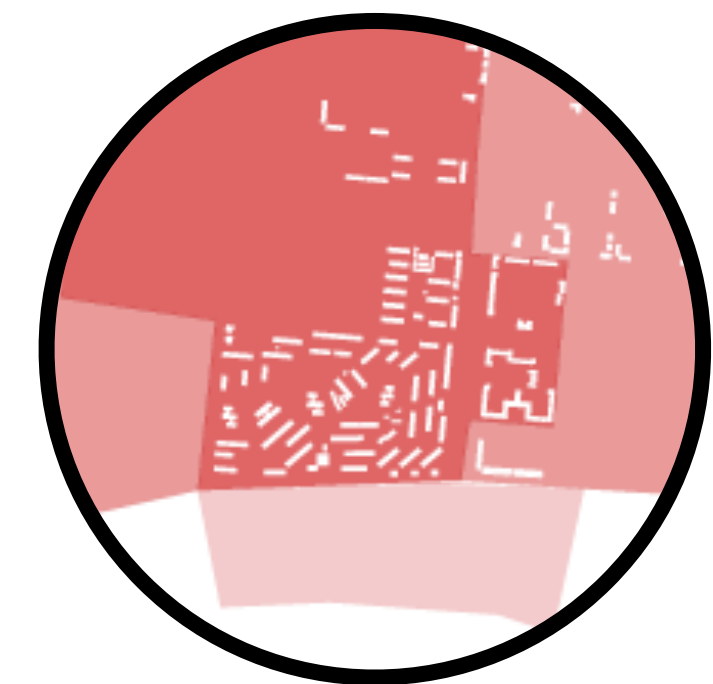
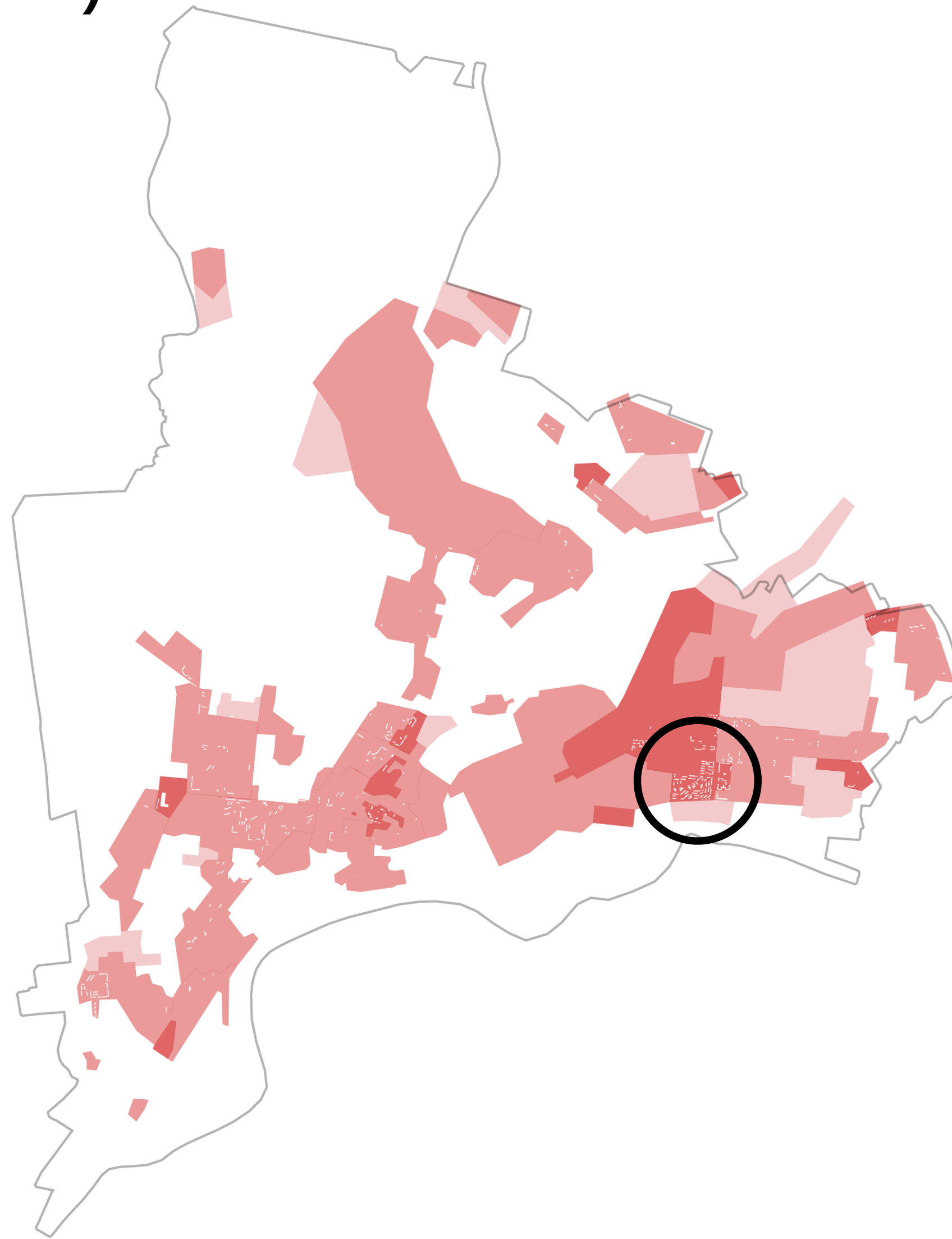


Before: city for cars



After: city for pedestrians and cyclists

Damage degree (2022–?)



Based on data from ua-damage.com







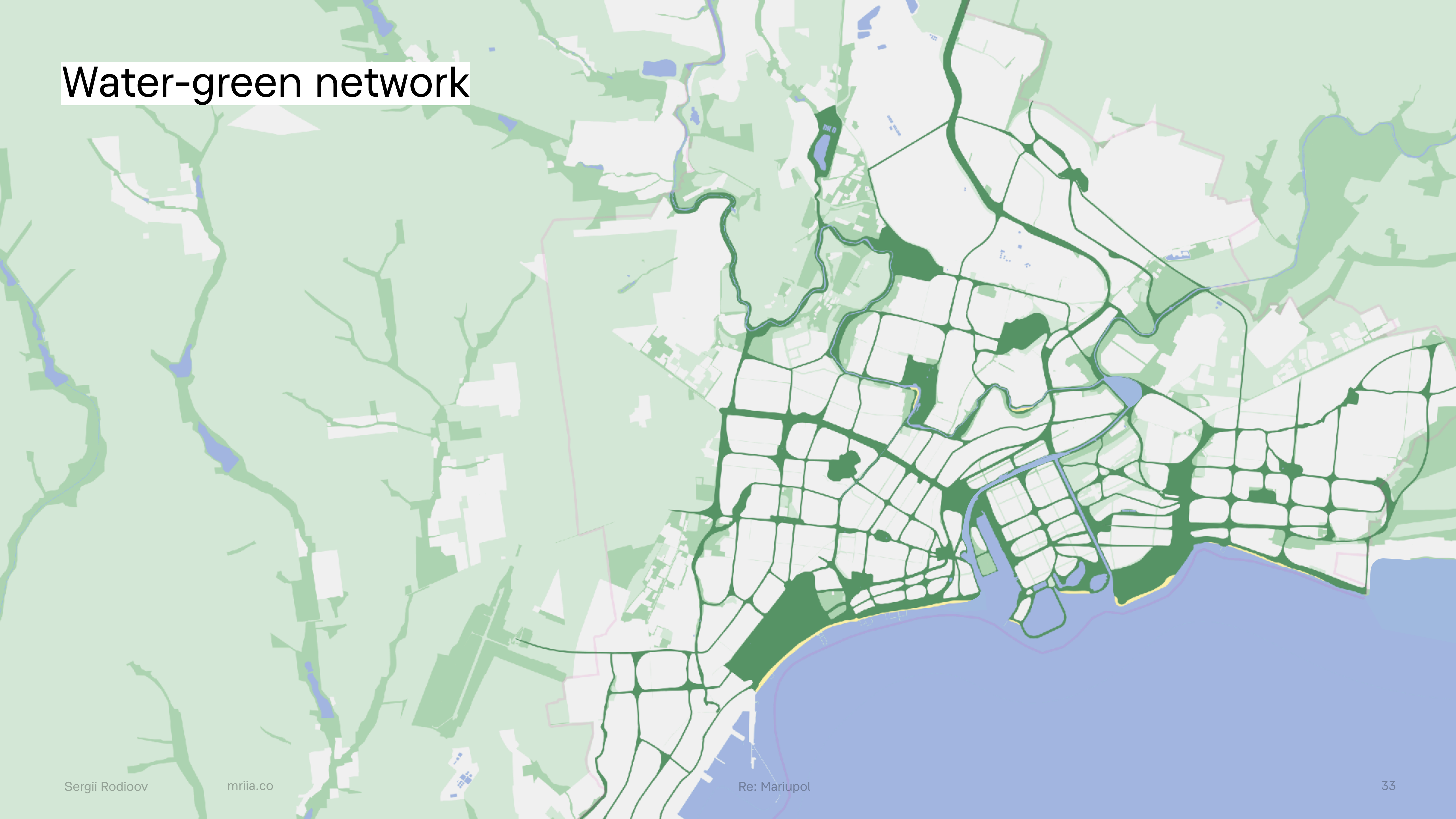




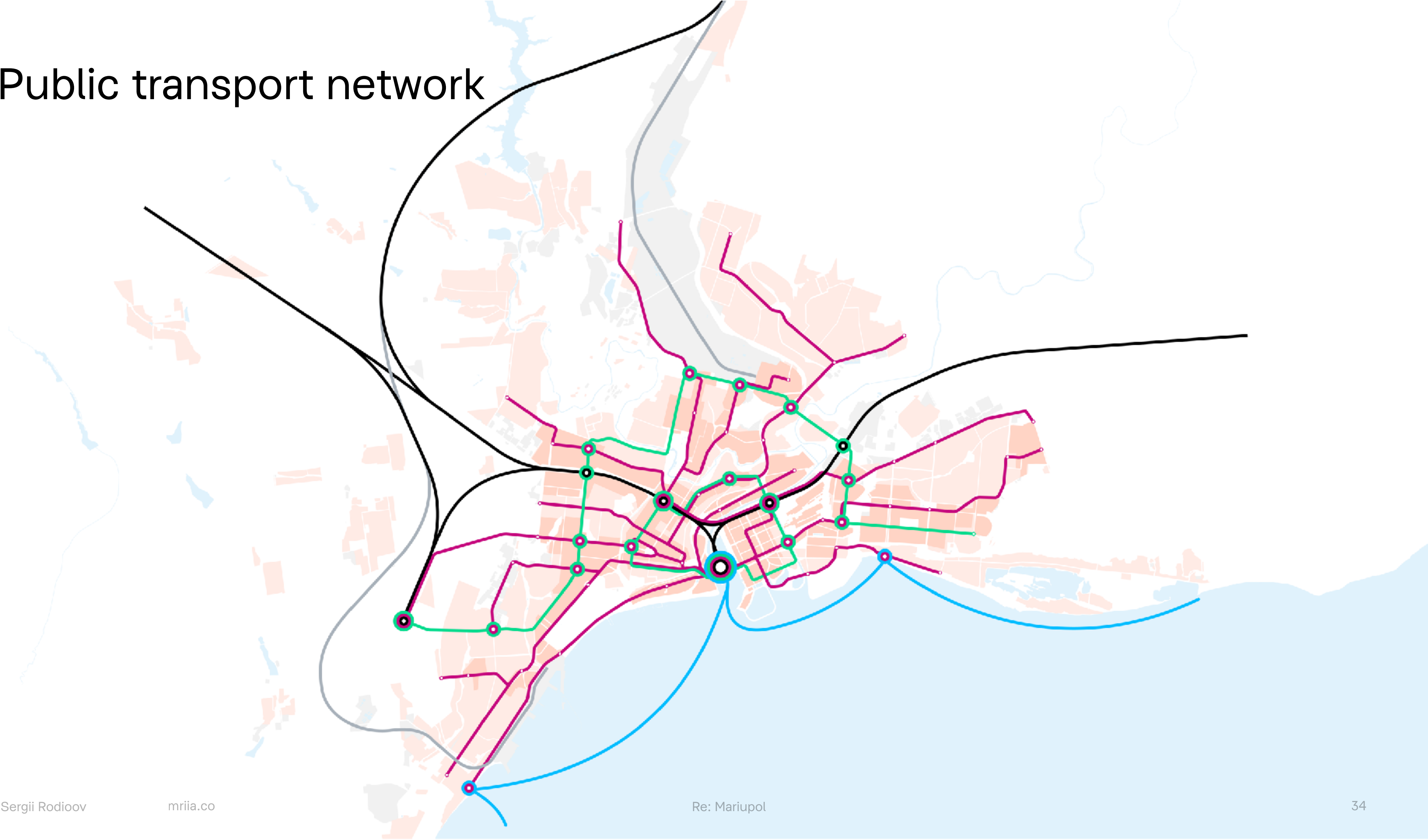




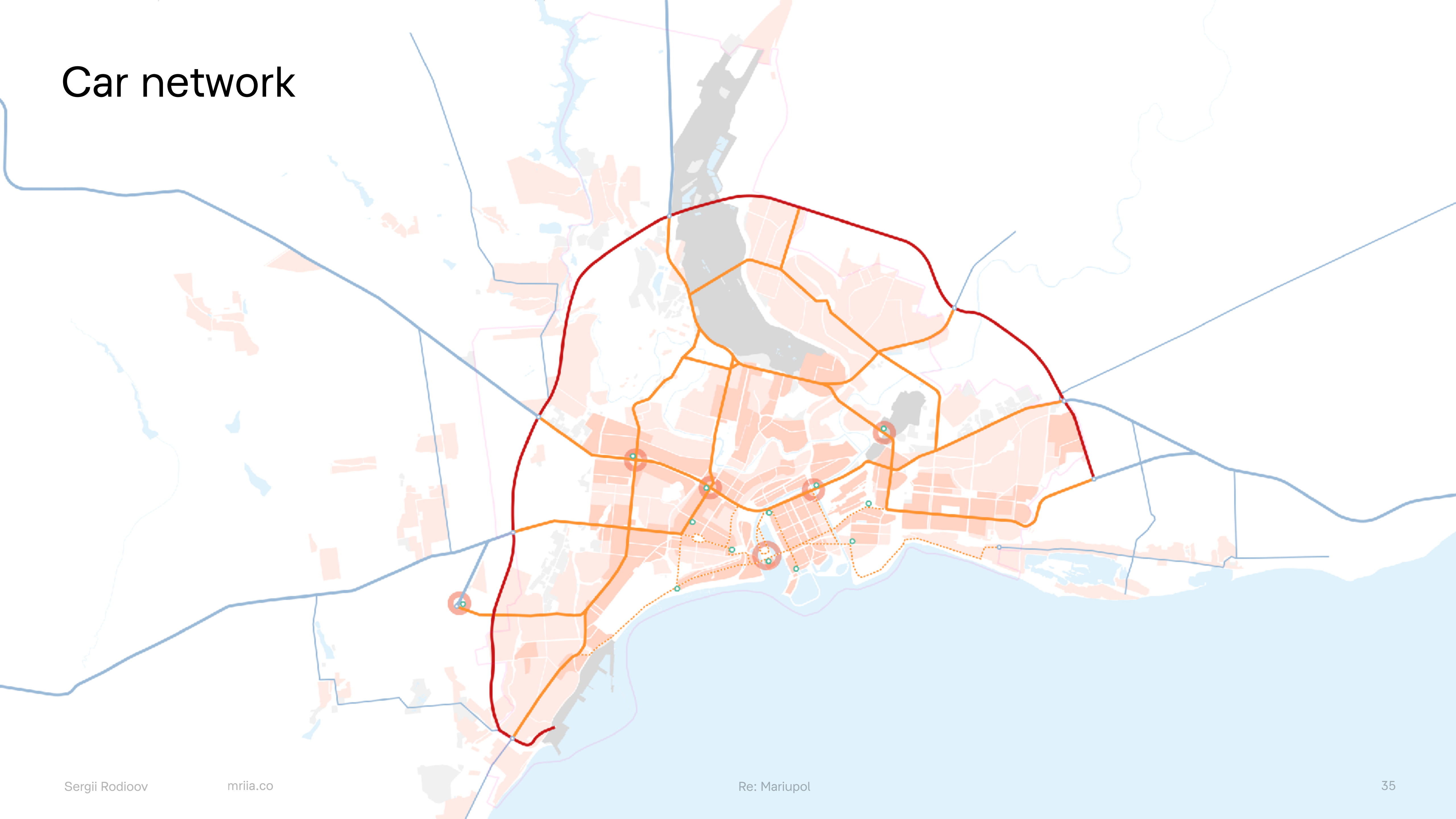
Water-green network



Public transport network



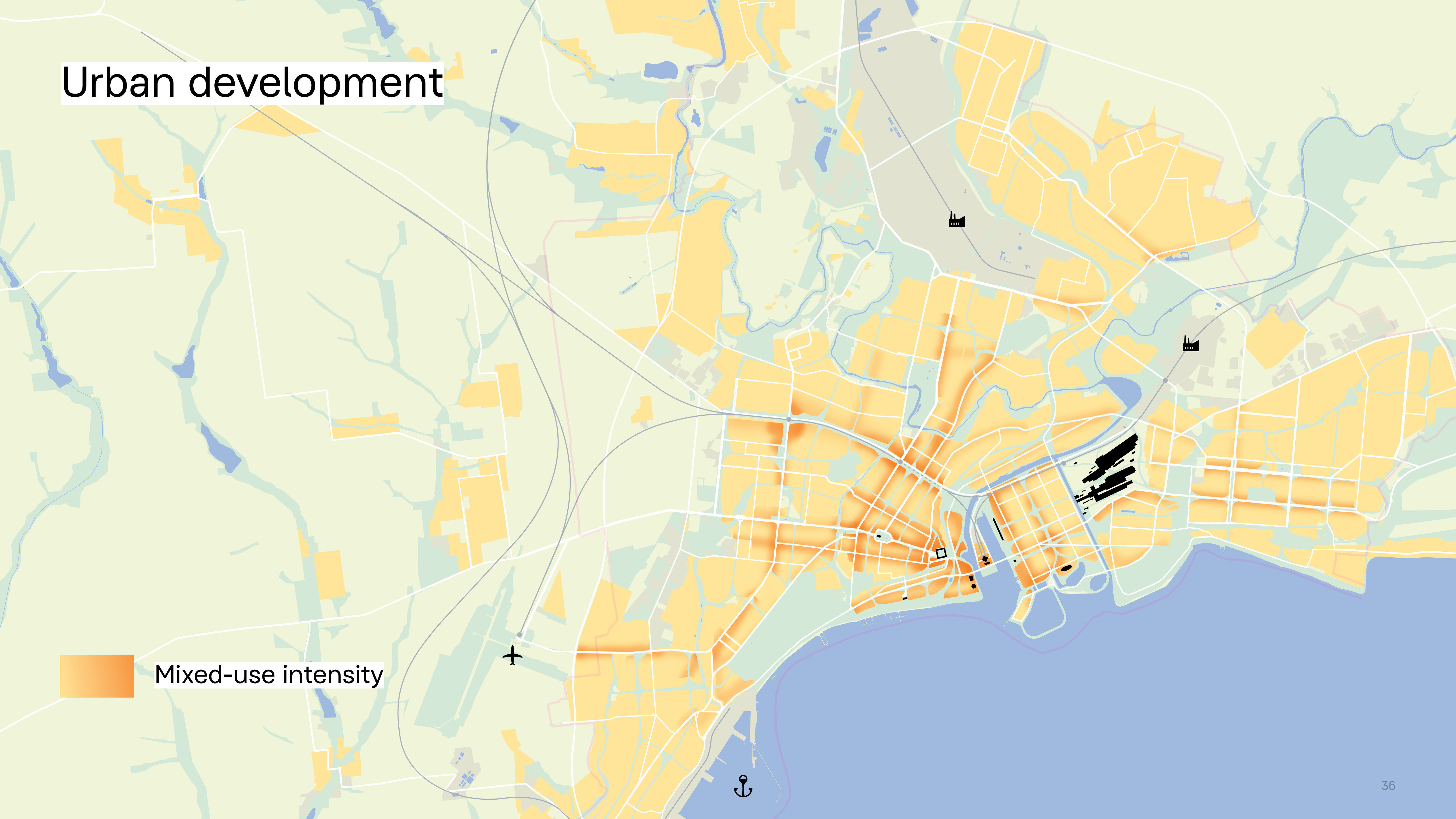
Car network



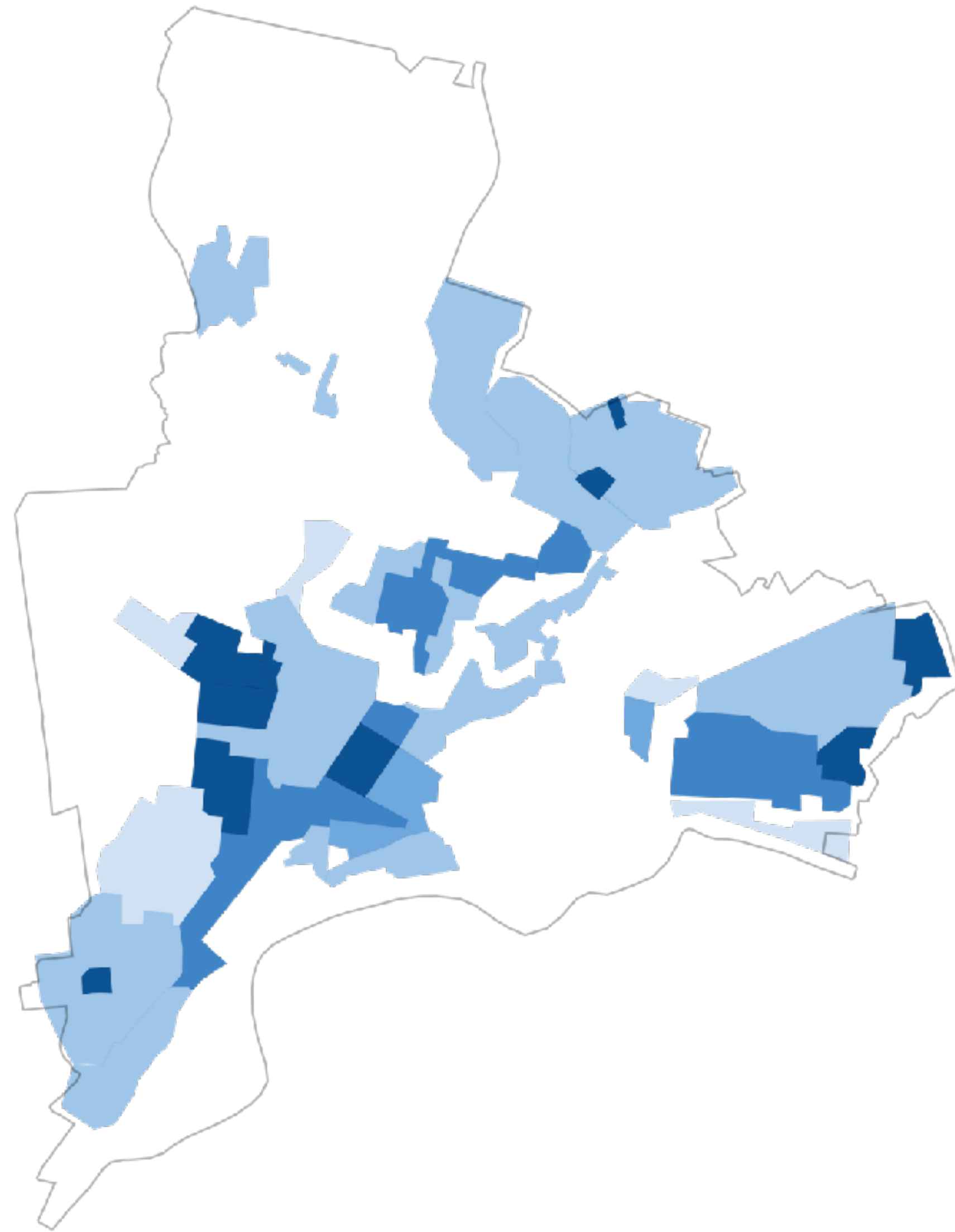
Urban development



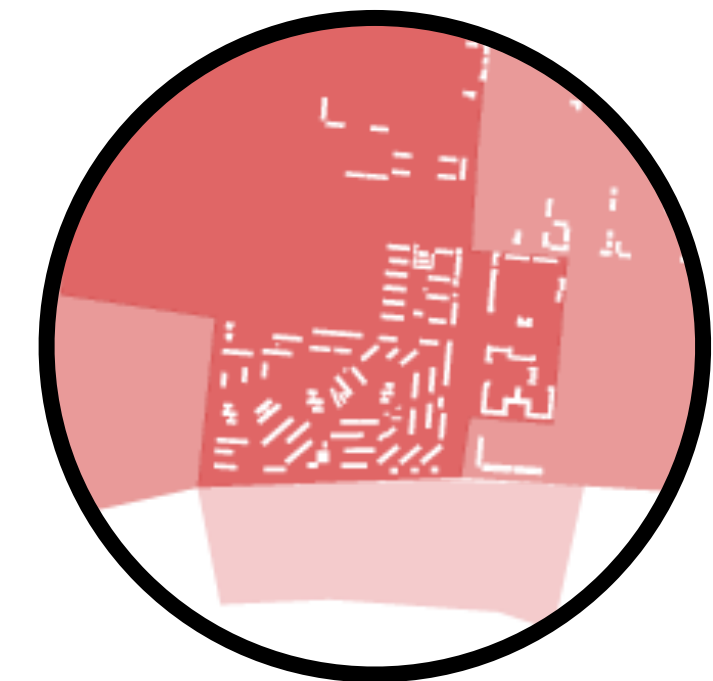
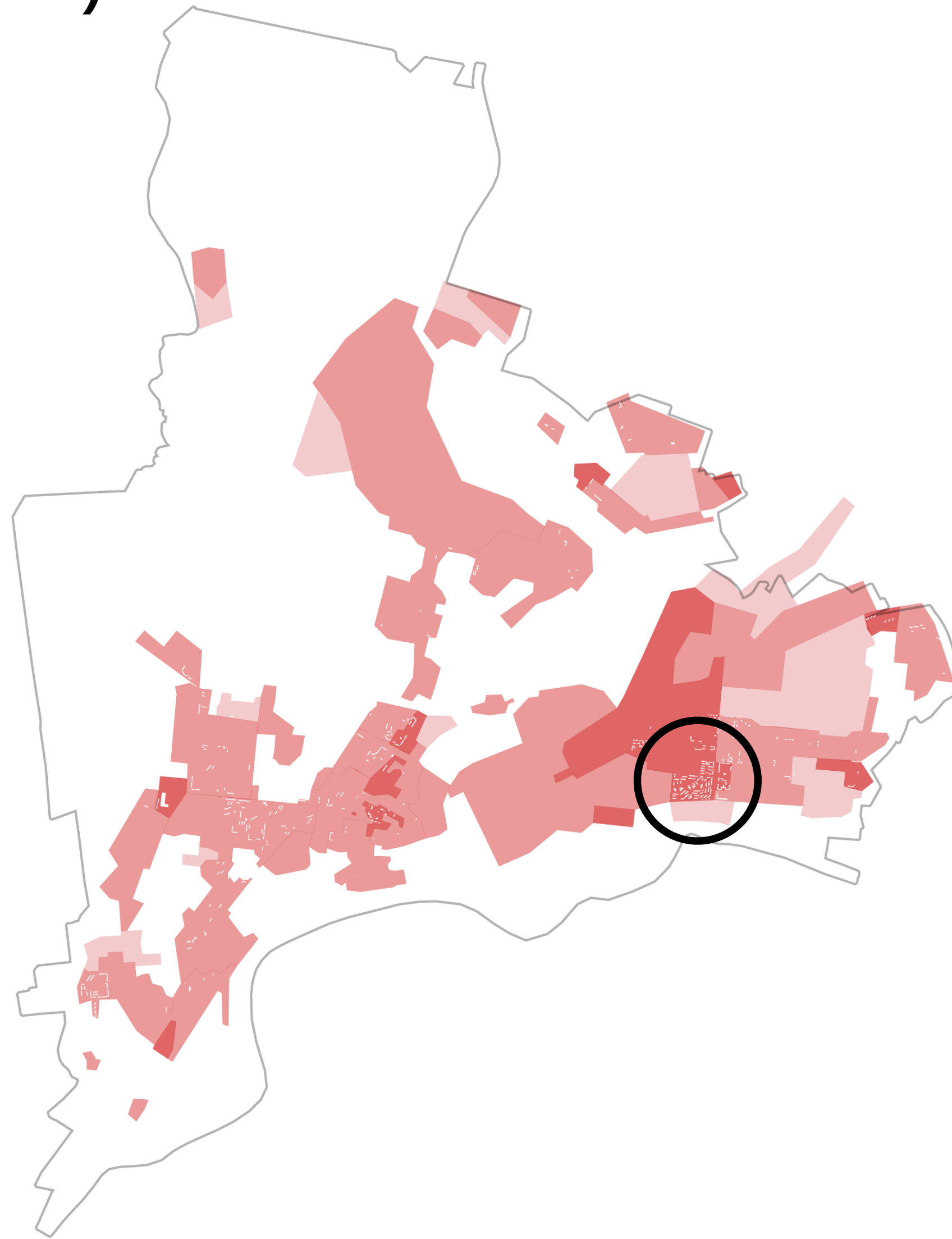
Mixed-use intensity



Population density (before invasion)

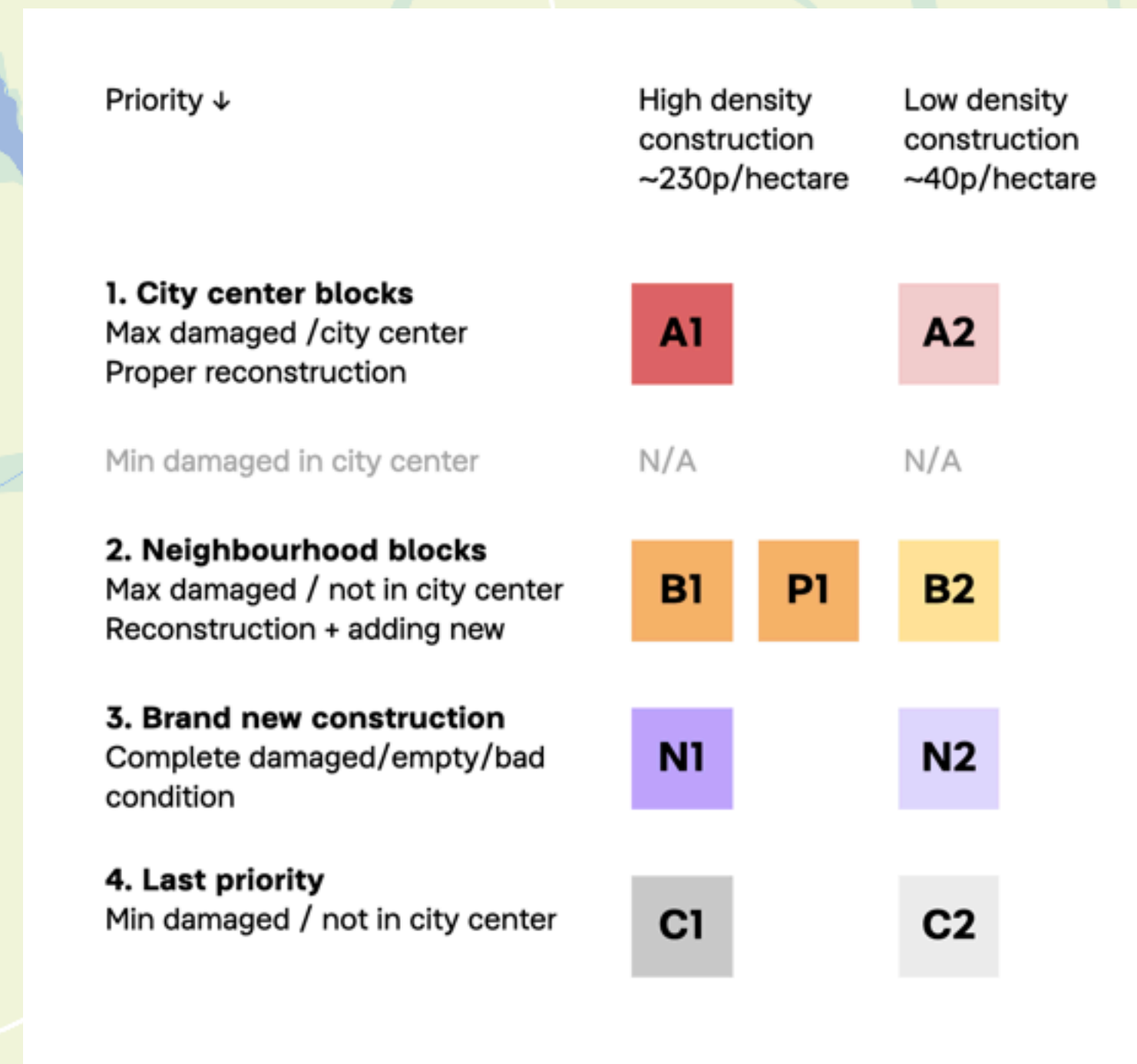


Damage degree (2022–?)



Based on data from ua-damage.com

Urban development



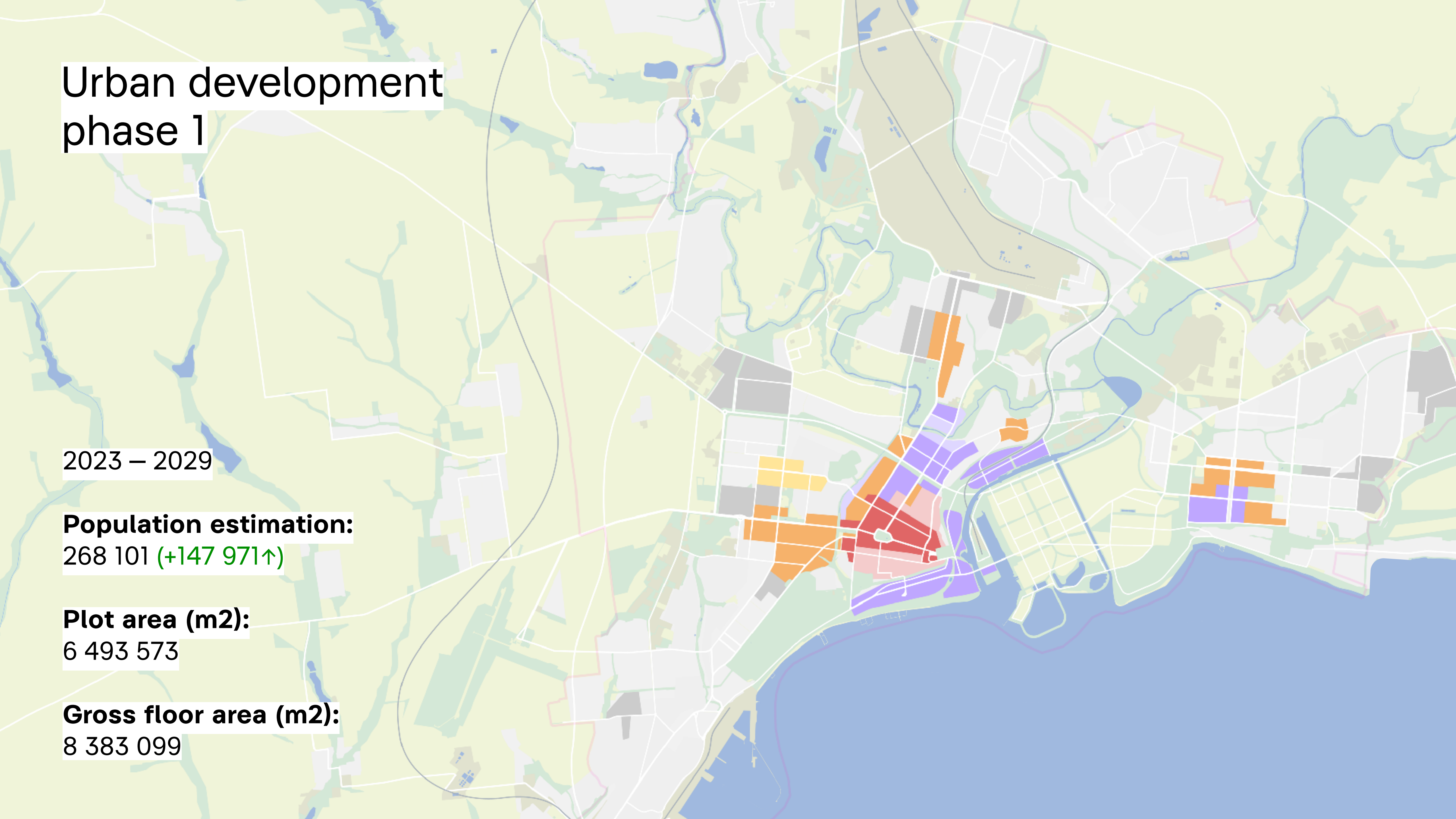
Urban development phase 1

2023 – 2029

Population estimation:
268 101 (+147 971↑)

Plot area (m2):
6 493 573

Gross floor area (m2):
8 383 099



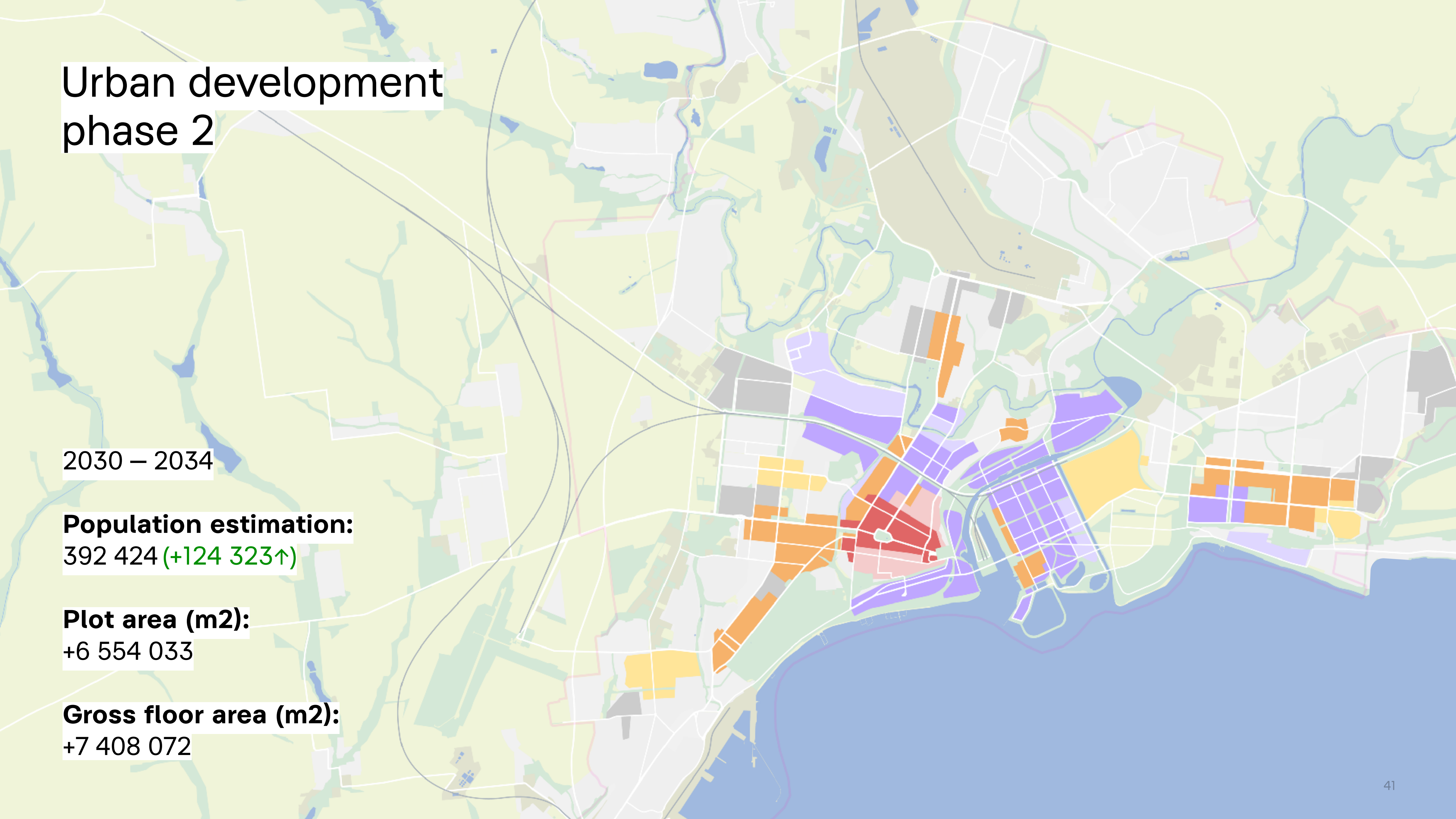
Urban development phase 2

2030 – 2034

Population estimation:
392 424 (+124 323↑)

Plot area (m2):
+6 554 033

Gross floor area (m2):
+7 408 072



Urban development phase 3

2035 – 2040

Population estimation:
526 259 (+133 835↑)

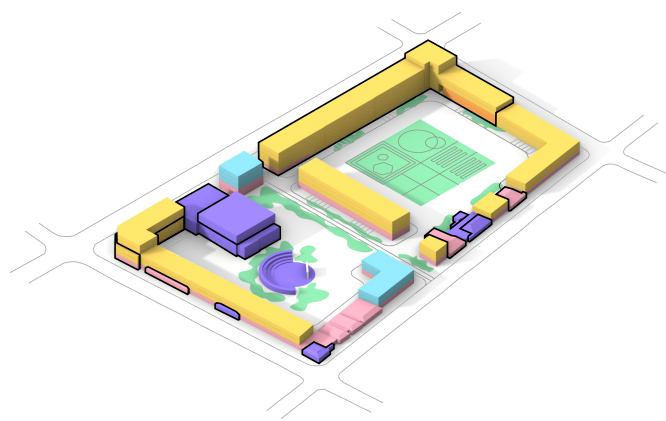
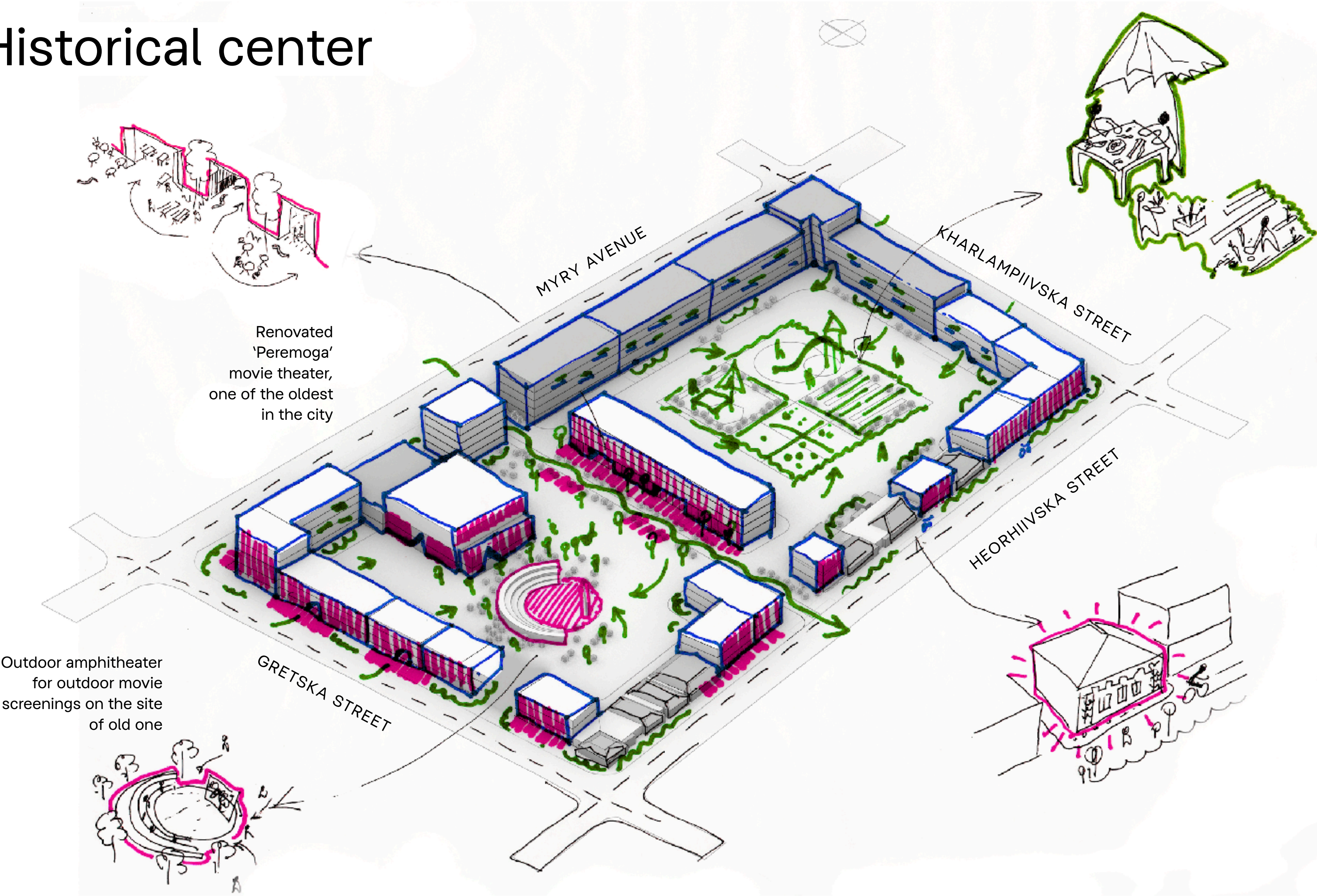
Plot area (m2):
8 524 886

Gross floor area (m2):
7 874 933

Historical center

- Historical center: low-density
- Historical center: high-density
- Historical buildings – **must-restoration list**
- Site of Kalmius fortress (XVII) – **possible memorial**

Historical center



Approach: Preservation of the old facade, combination with modern architecture



On photo: Kolumba Museum, Cologne by Peter Zumthor. Source: arcstreet.tumblr.com



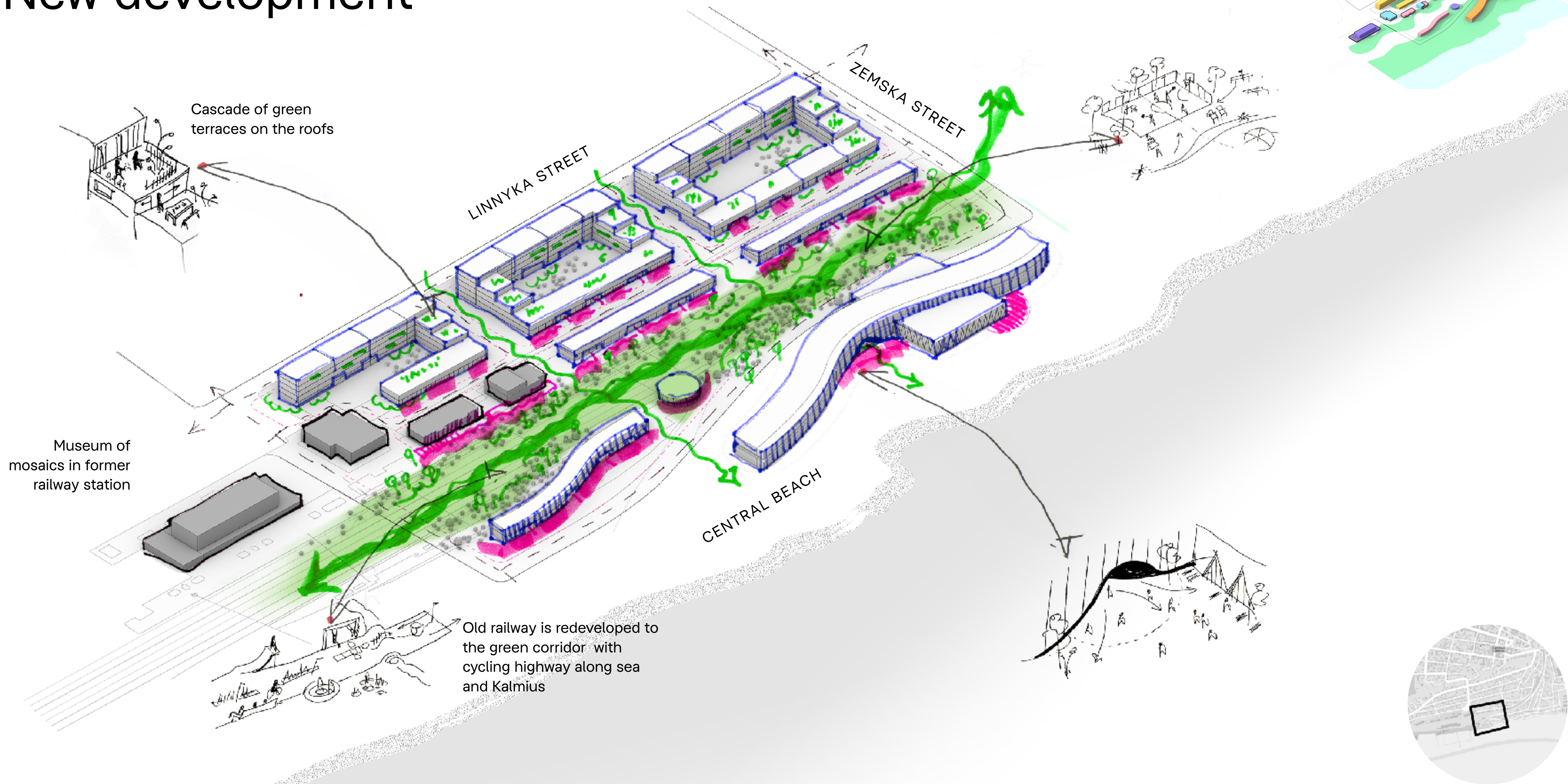
On photo: Civic centre in the former Cristalleries Planell, Barcelona by Harquitectes. Photo: Adrià Goula

An example of storing a damaged facade



On photo: Apartment House Renovation in Warsaw
by atelier7architektura. Source: Bartosz Makowski

New development



Steeped roof structure

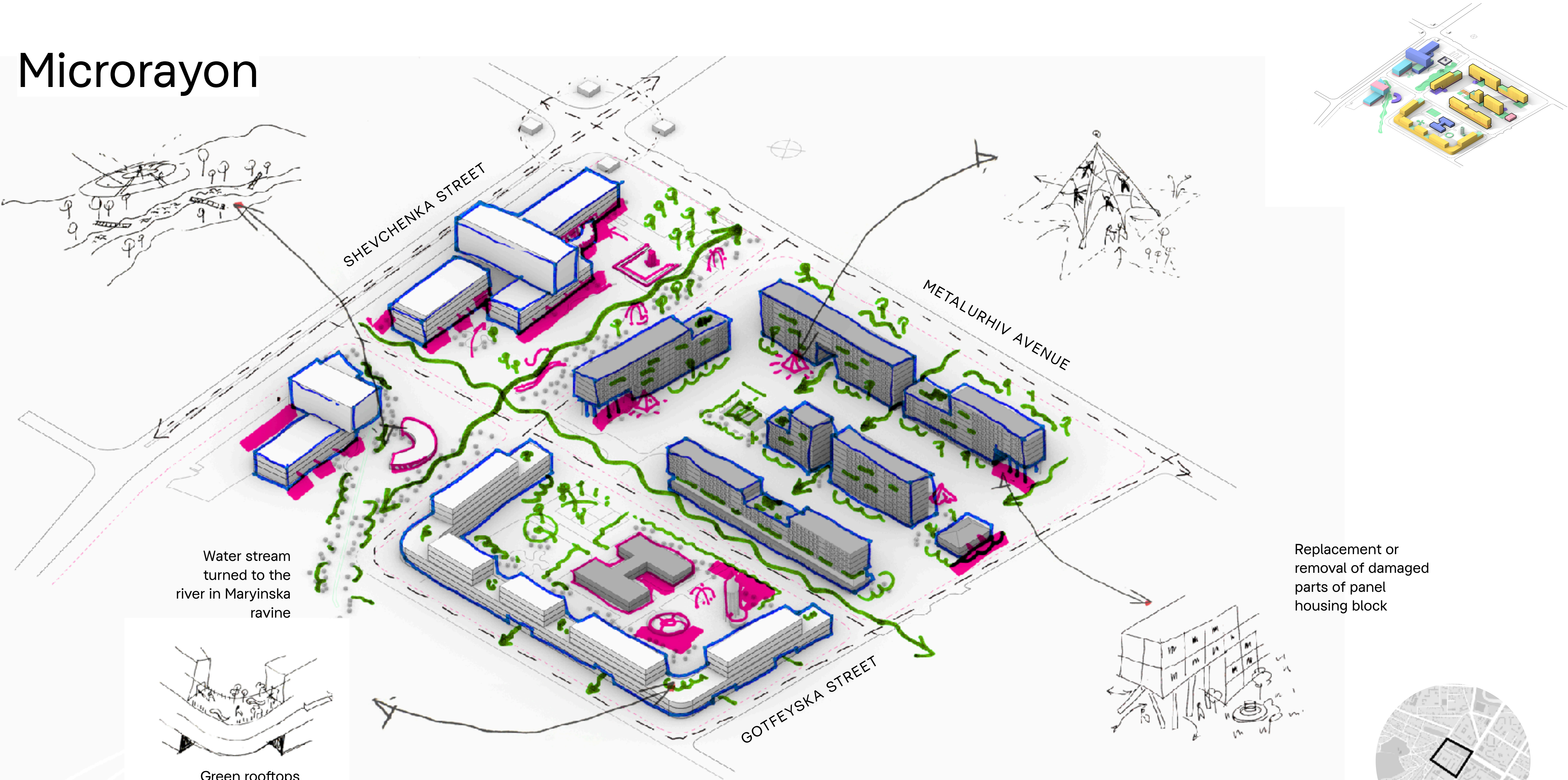


On photo: Housing project in New York by SO-IL.
Photo: <http://fieldcondition.com/>



On photo: Saclay Campus, Paris by 51n4e + Bourbouze & Graindorge. Image: Clément Guillaume

Microrayon



Additional balconies and volumes to diversify the monotonous architecture

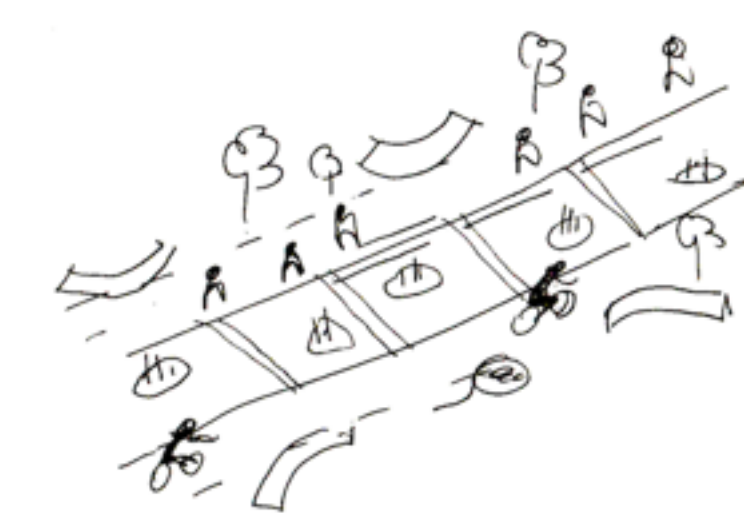
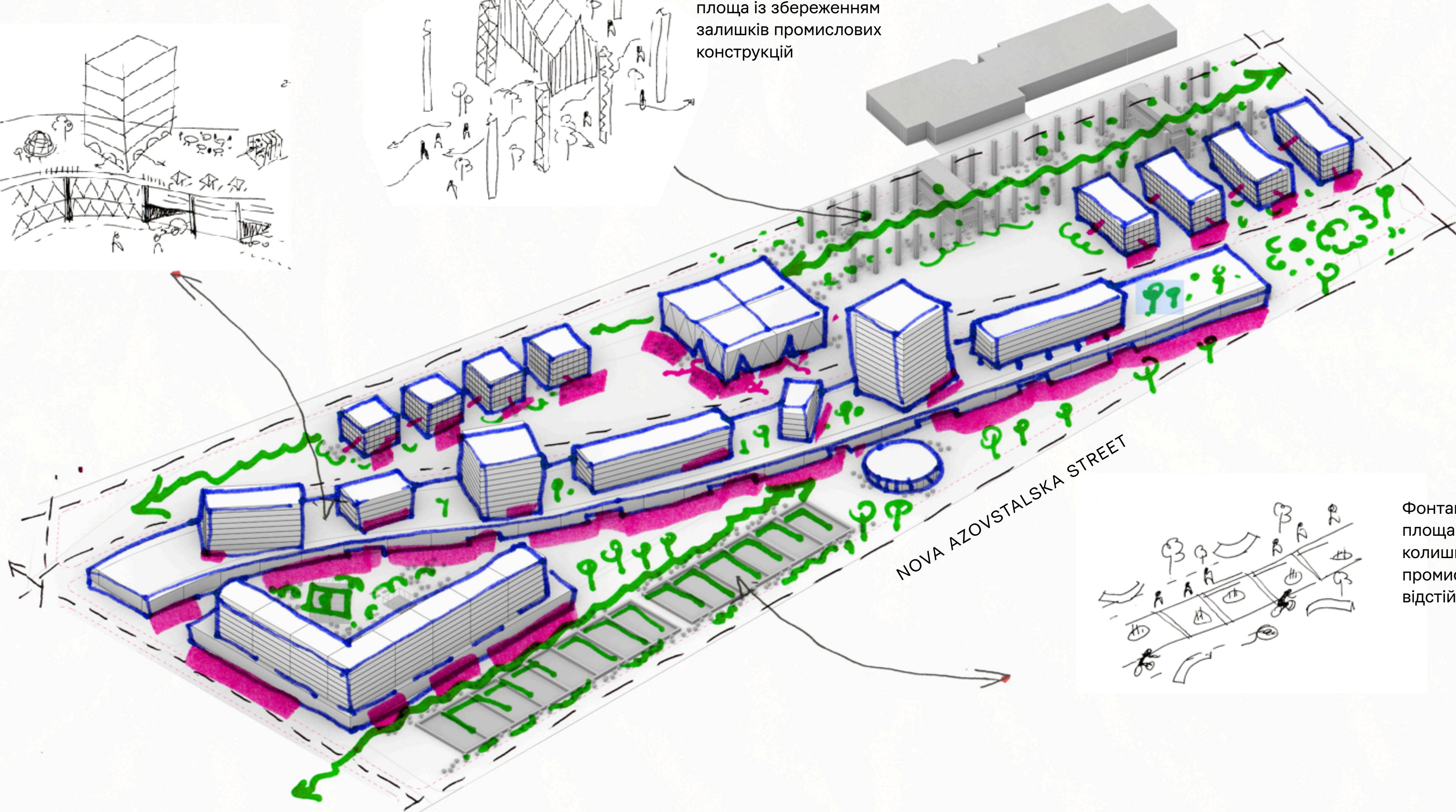


On photo: WoZoCo, Amsterdam by MVRDV
Source: <https://www.mvrdv.com/>

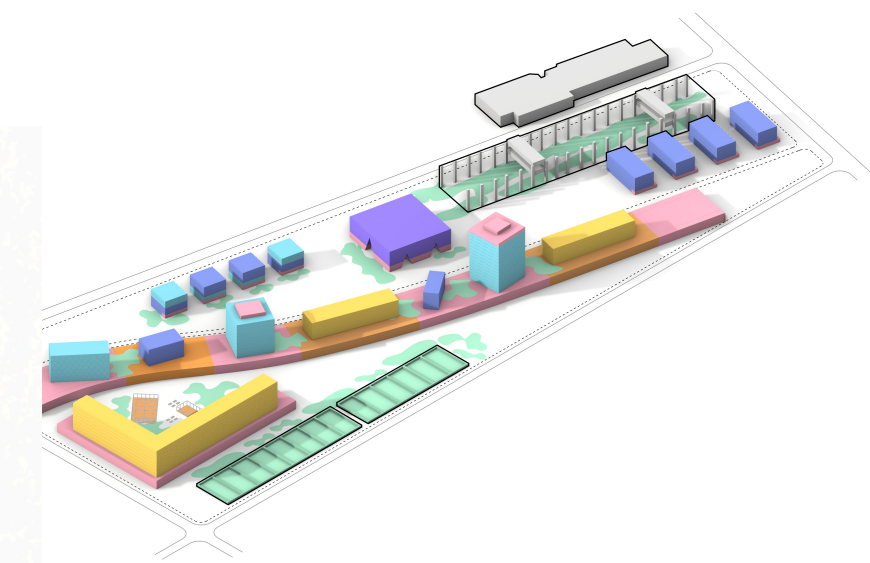
Post-industrial



Багатофункціональна
площа із збереженням
залишків промислових
конструкцій



Фонтан і громадська
площа навколо
колишнього
промислового
відстійника



Preservation of unique elements



On photos: Zollverein Factory and Ruhr Museum,
Essen by A&EB Photo: <https://hicarquitectura.com/>

Economy of the city





3

2

5

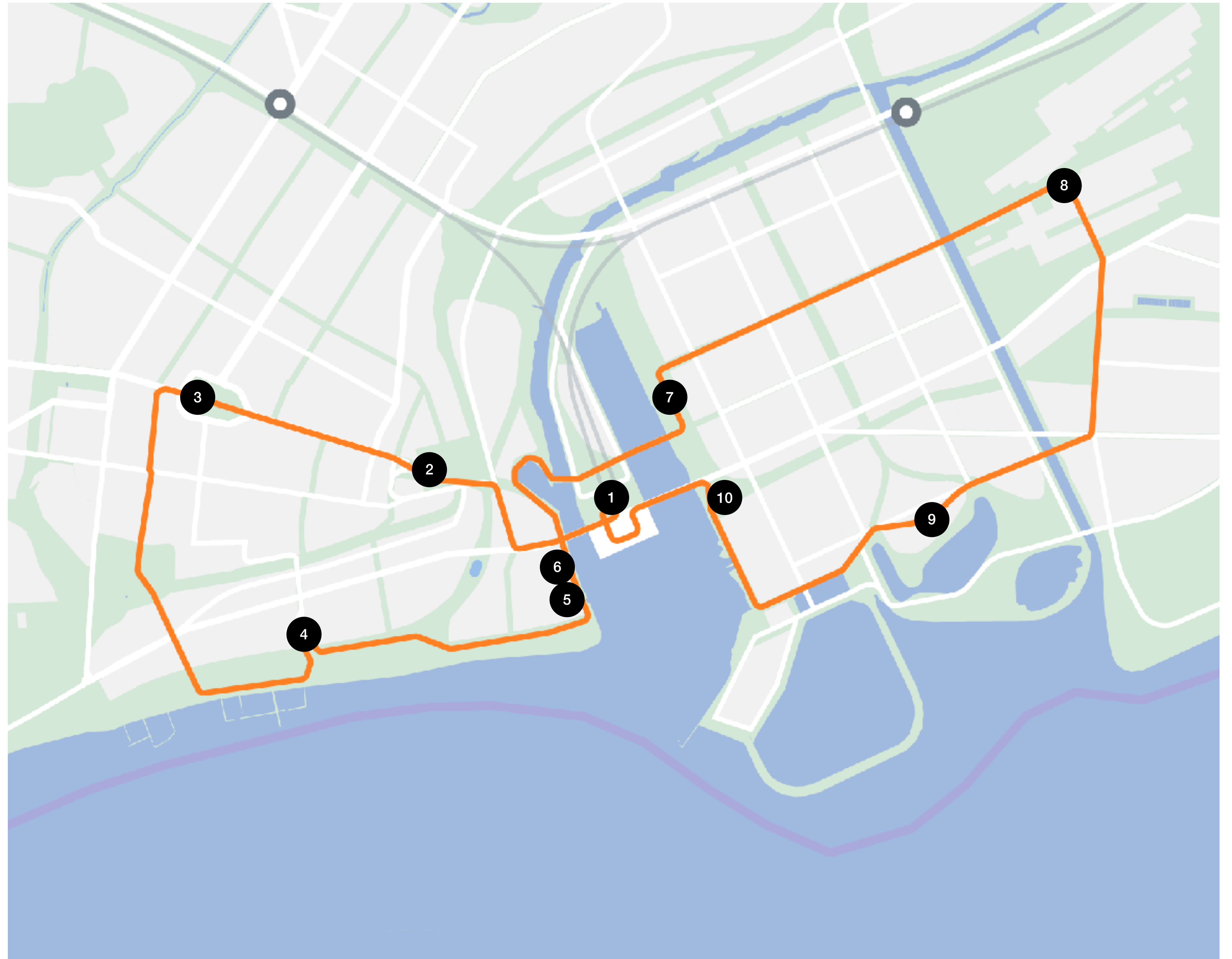
6

1

4

New magnets

1. Central station
2. Market square
3. Dramtheater Memorial center
4. Campus and Central beach
5. New theater
6. Kuindzhi Center
7. Center of Steel
8. Memorial center 'Azovstal'
9. Museum of contemporary art
10. Polytechnic



Central station



Central square





Маріуполь Центральний
Mariupol Central



Bazarna square

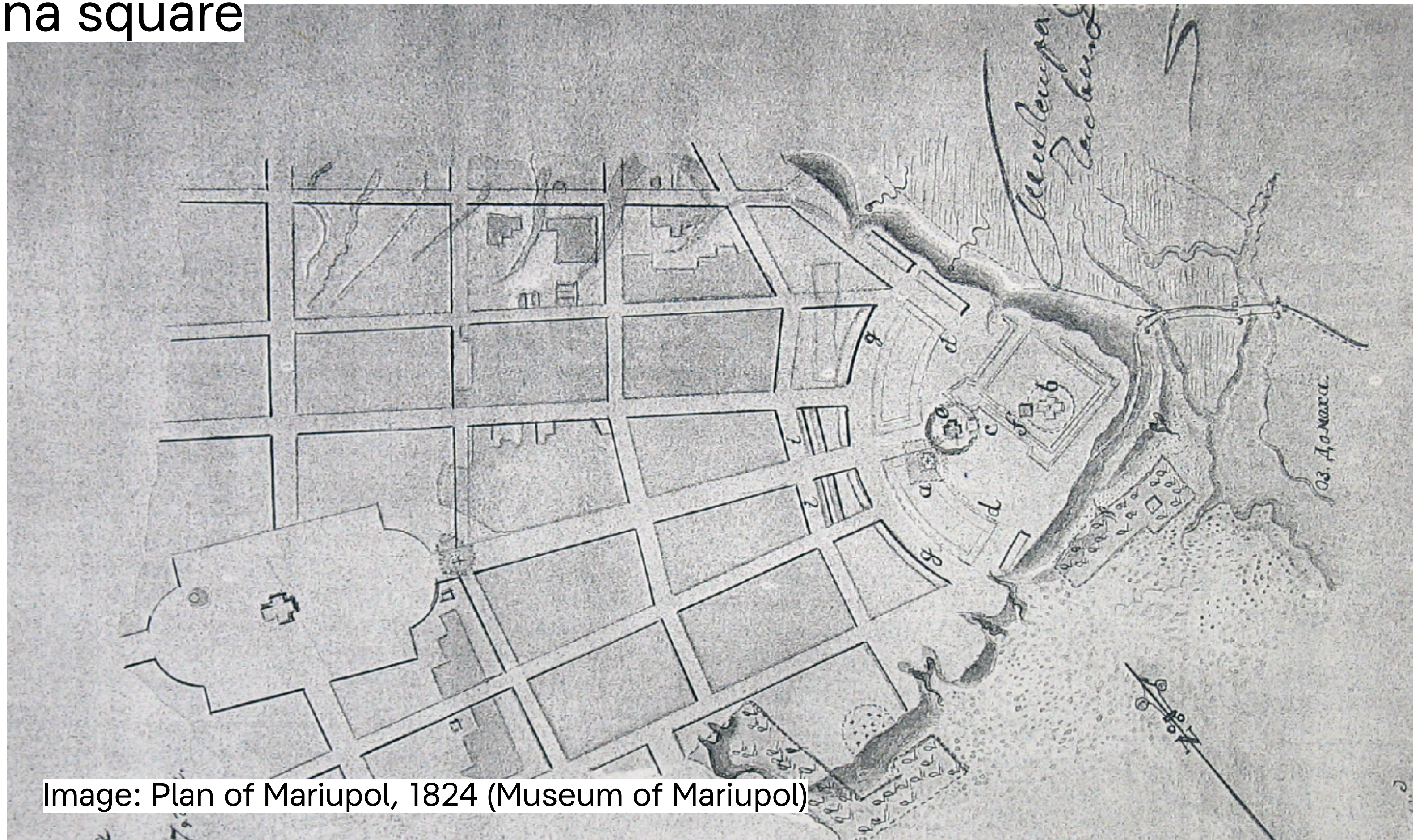


Image: Plan of Mariupol, 1824 (Museum of Mariupol)

Bazarna square

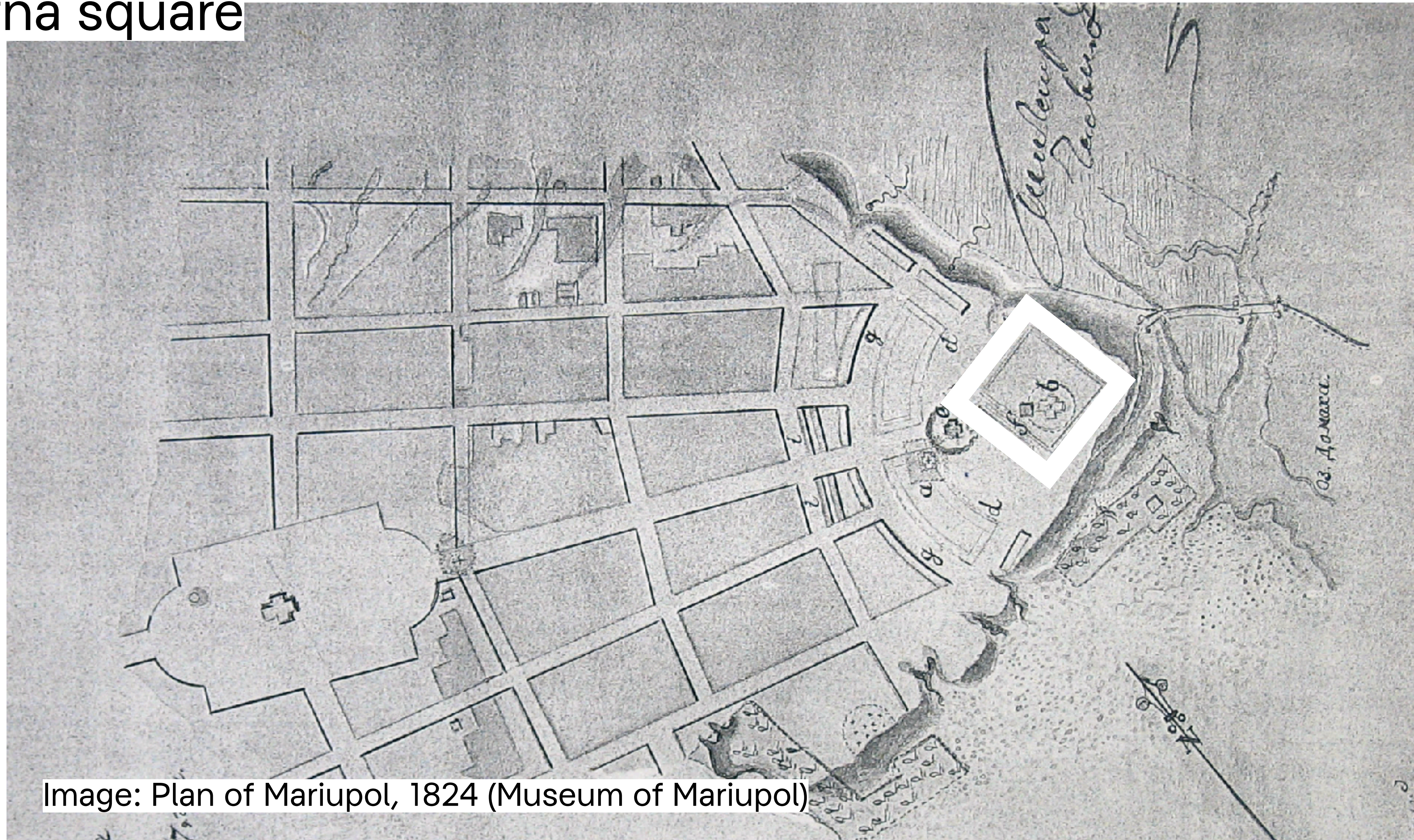
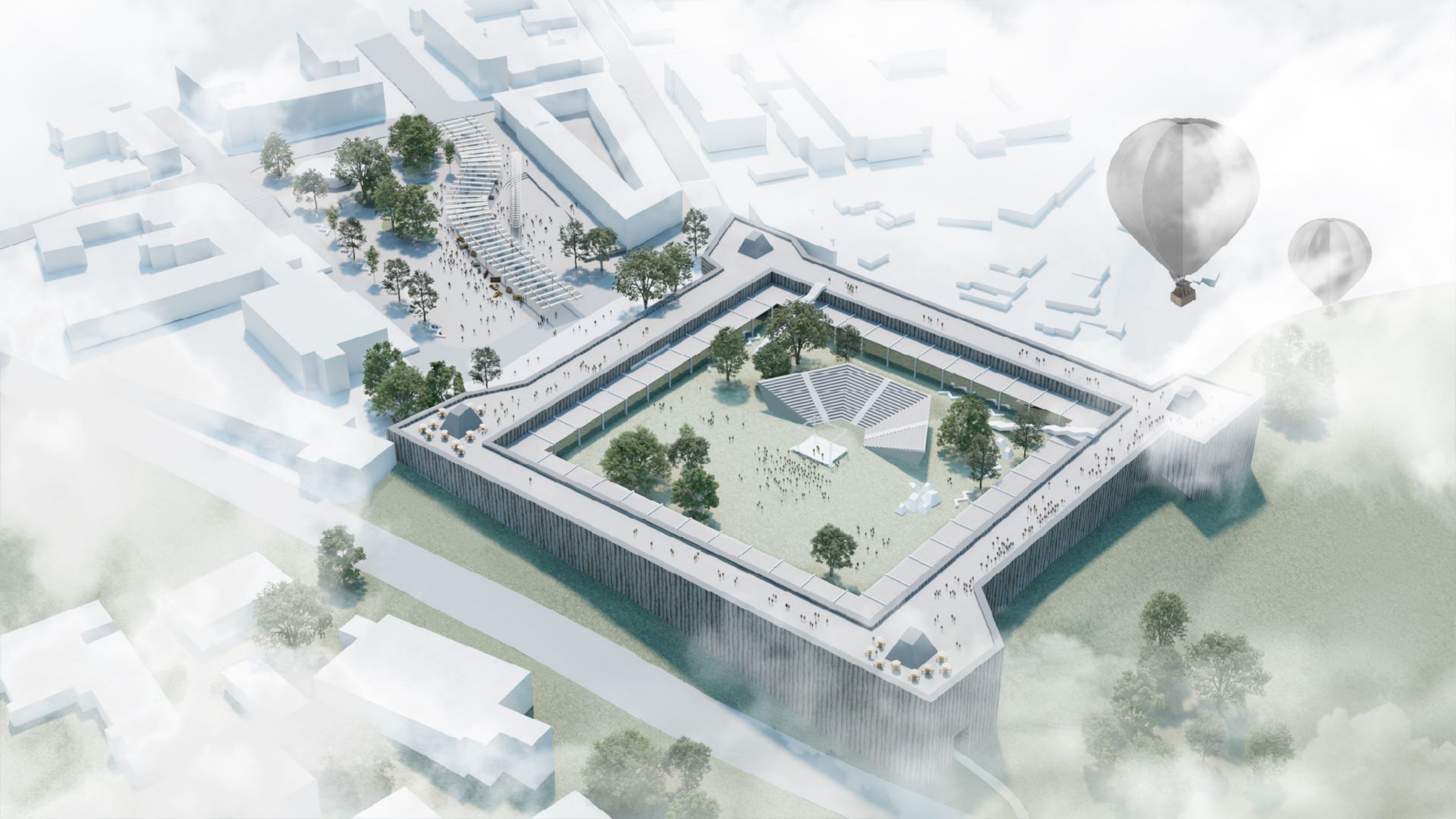


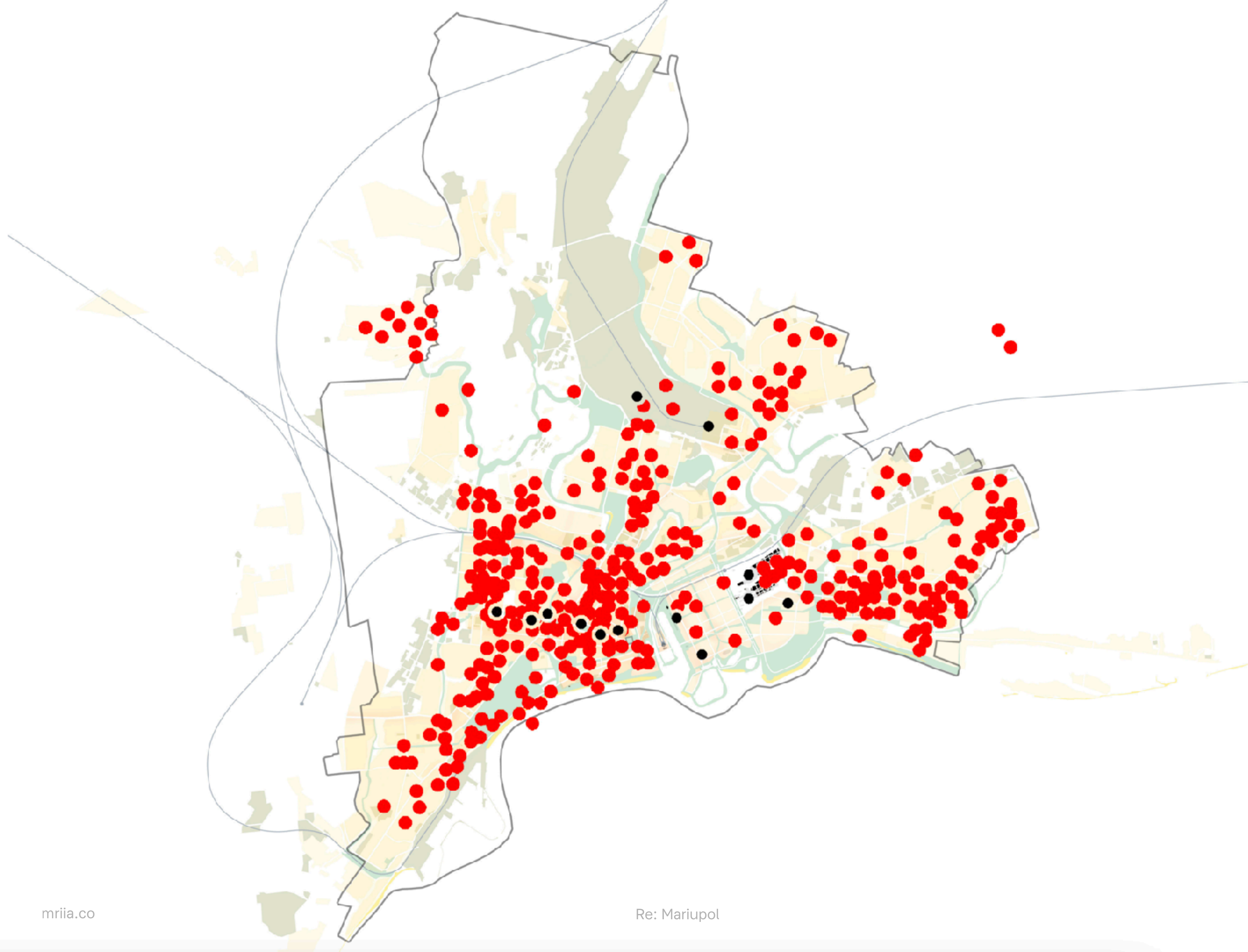
Image: Plan of Mariupol, 1824 (Museum of Mariupol)



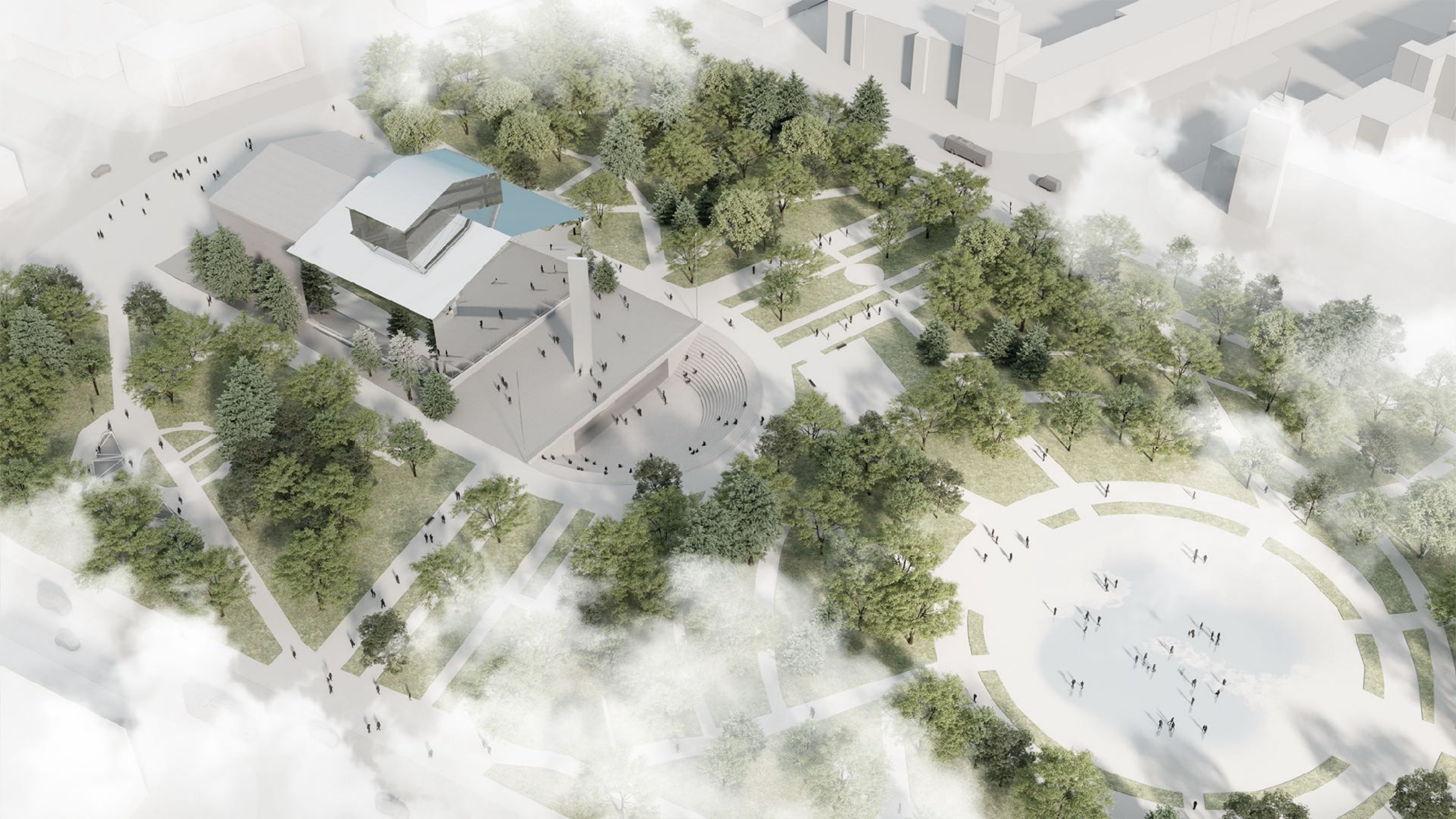


Drama Theater









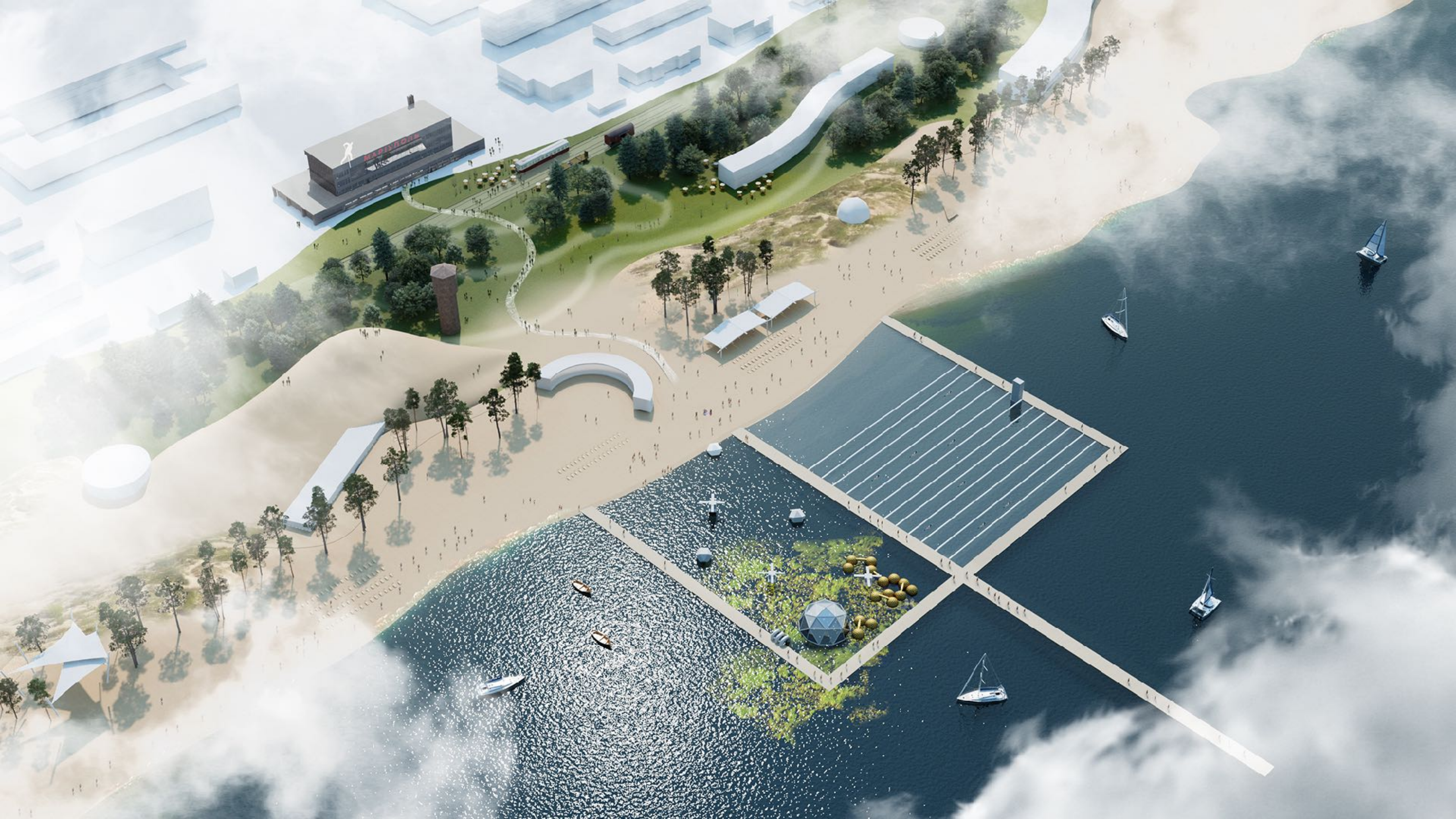
Campus on the sea





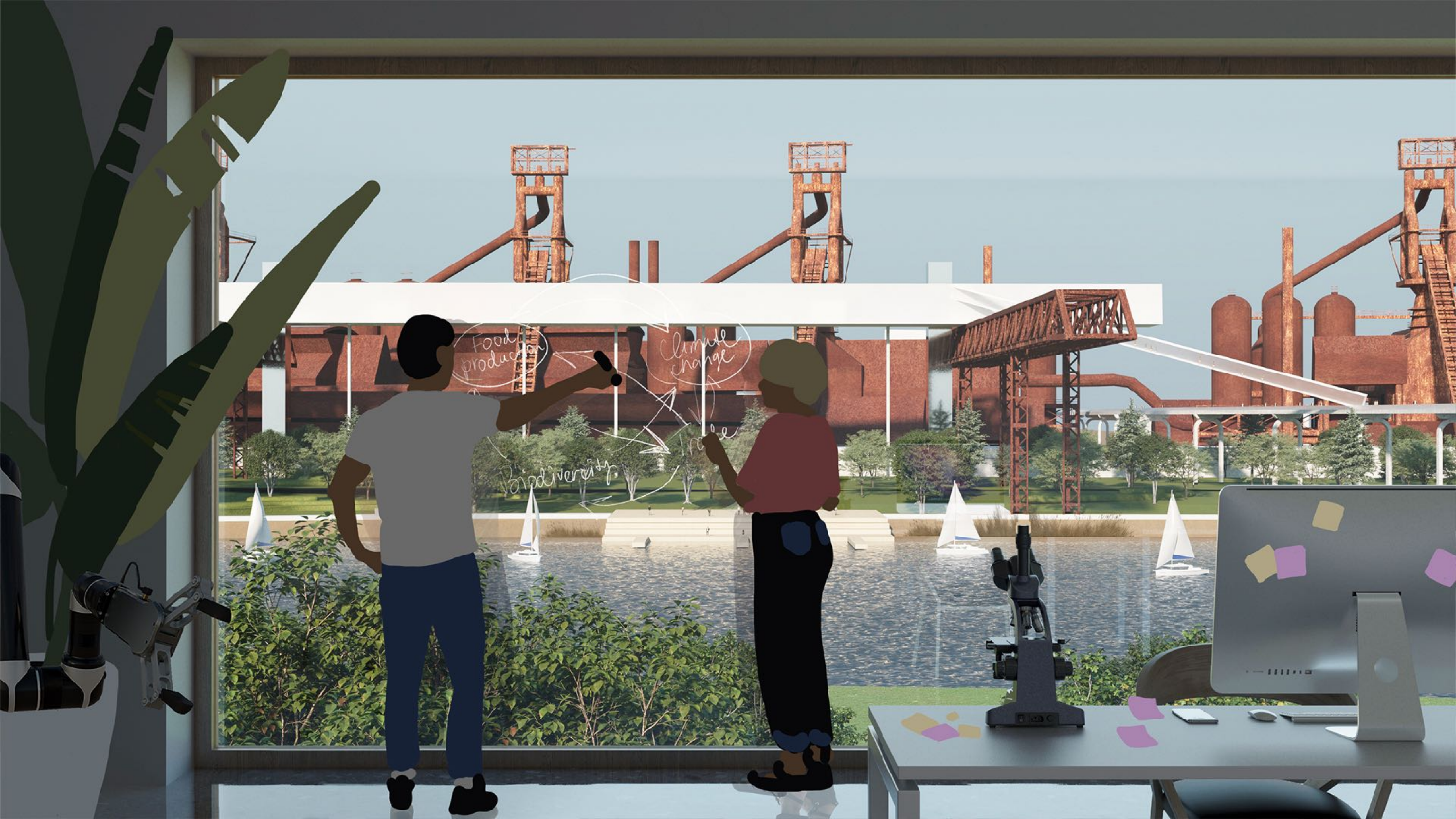
Азовське море

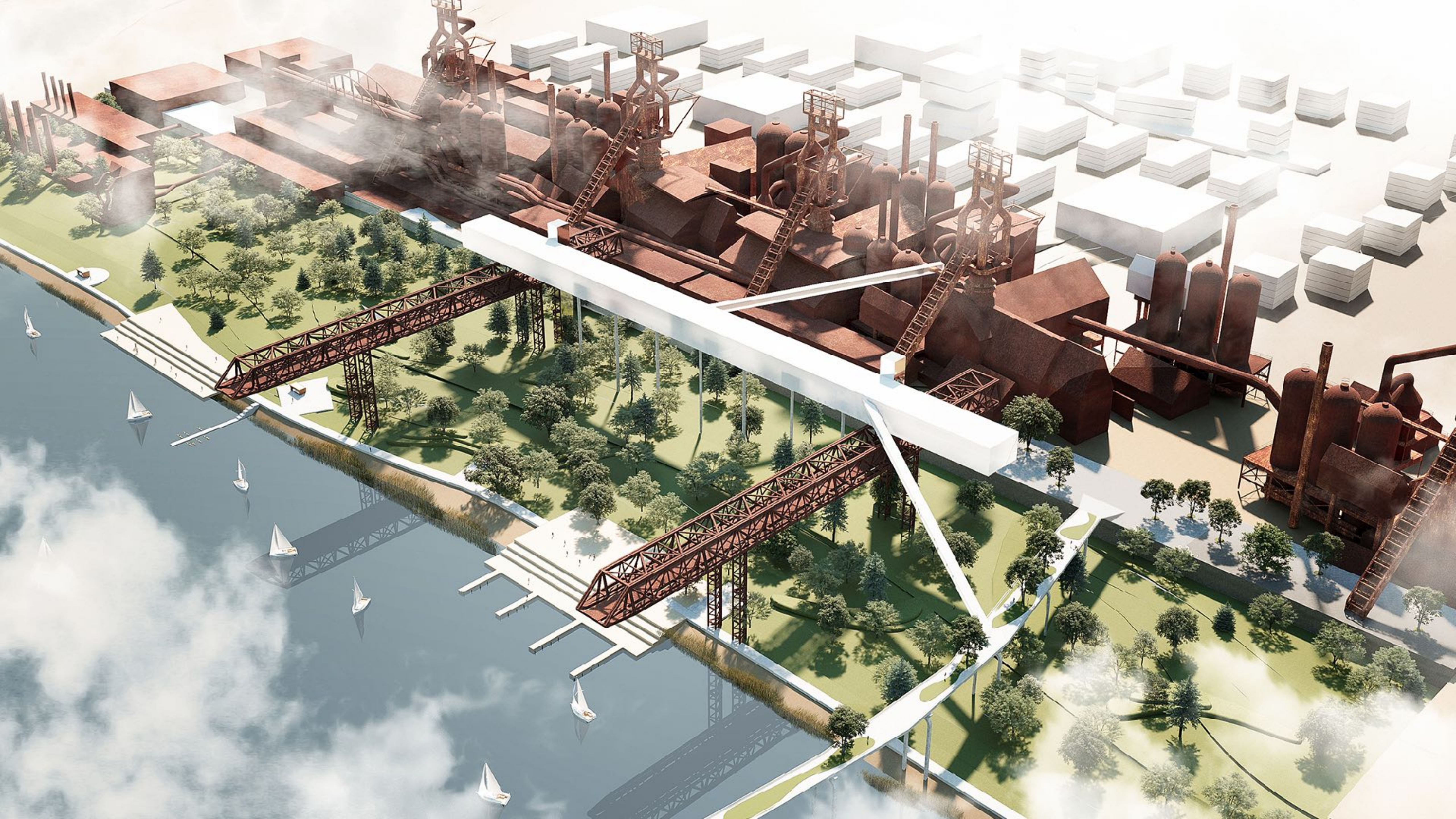
МАРИУПОЛЬ



Center of Steel



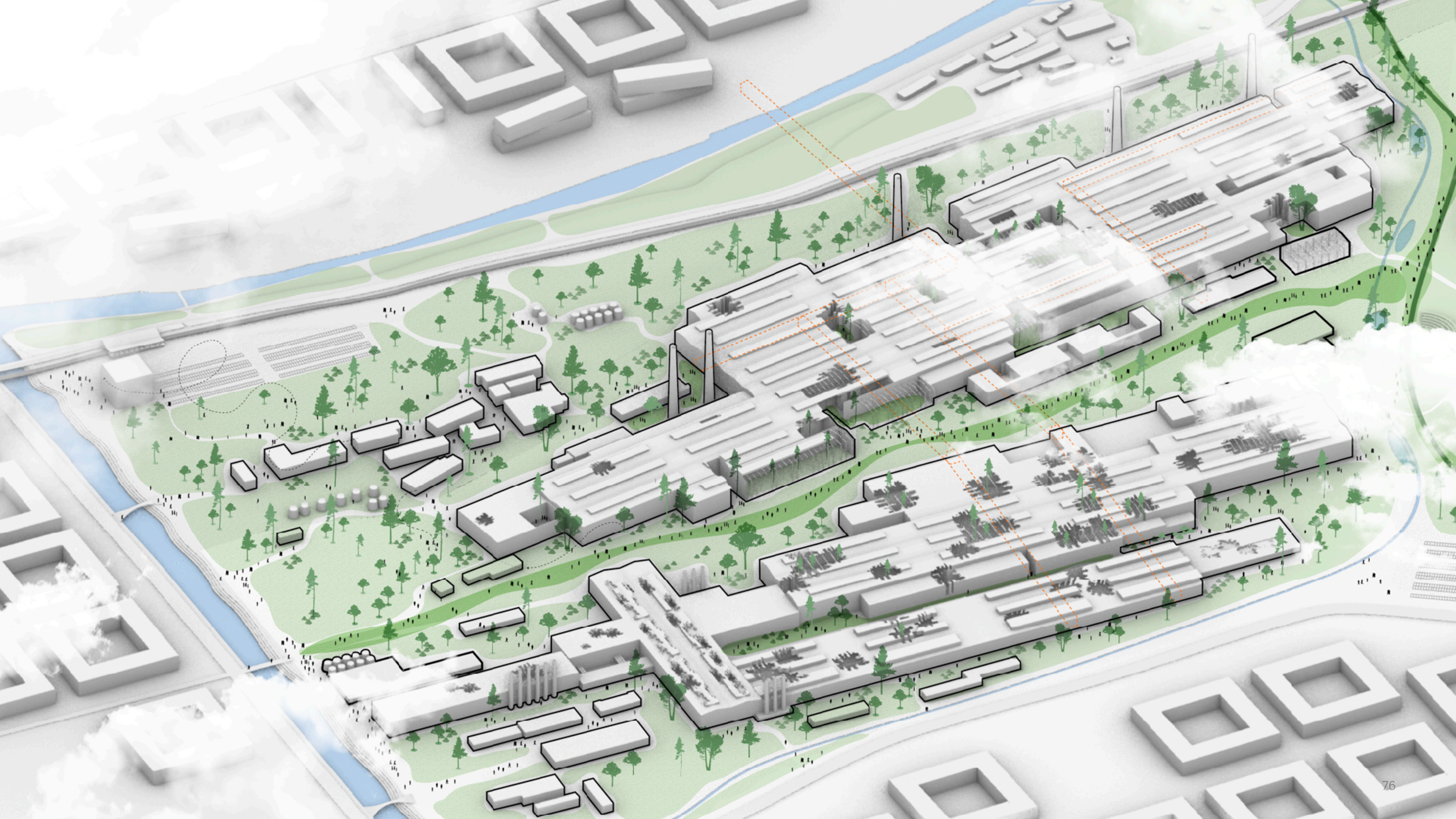




Memorial center 'Azovstal'









First steps

1. TEAM

Open competition

- 50/50 Ukrainian and foreigner experts from diverse fields, 30 core people
- Strong motivating benefits to encourage best expert to come to Mariupol

2. PLACE

Campus for the team

- Place of life and work of the team
- Participation and public program platform

3. STRATEGY

Reconstruction +

- Safety and Urban development
- Healthcare and Education
- Politics of Memory
- Ecology and Sustainability
- Economy, Investments and Demography

In a year

4.

Public Space in Campus

5.

A new military base

6.

R&D and educational hub

- 
- A new symbol of city change
 - A new magnet on the map

- new housing project for military and first city dwellers

- Phytoremediation of the industrial zones
- New industries development
- Investment Platform

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re-mariupol.com

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MRIIA

 **MARIUPOL REBORN**



USAID
FROM THE AMERICAN PEOPLE