

# Siberian Agglomeration Projects and Challenges

## METROPOLITAN MOTION

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Alexey Kozmin  
Center for Urban Studies  
Tomsk State University  
Russia

# Russia – General Information



**Area: 17 125 407 km<sup>2</sup>**

**Population: 144 192 450**

**GDP: \$USD 1 861 bn**

**Urban population: 74%**

**1100 Cities**

**15 Cities > 1 mln**

**2 continents, 3 Oceans, 13 Seas, 18 neighbor countries, 11 Time Zones**

# Siberia – General Information






**Area: 5 144 953 km<sup>2</sup>**  
**30,09% of Russia**

**Population: 19 320 640**  
**13,19% of Russia**

**31 Nations**  
**86% are Russians**

**12 Regions**

-  **Siberian Federal District**
-  **Siberia (Geographic)**
-  **Asian part of Russia**





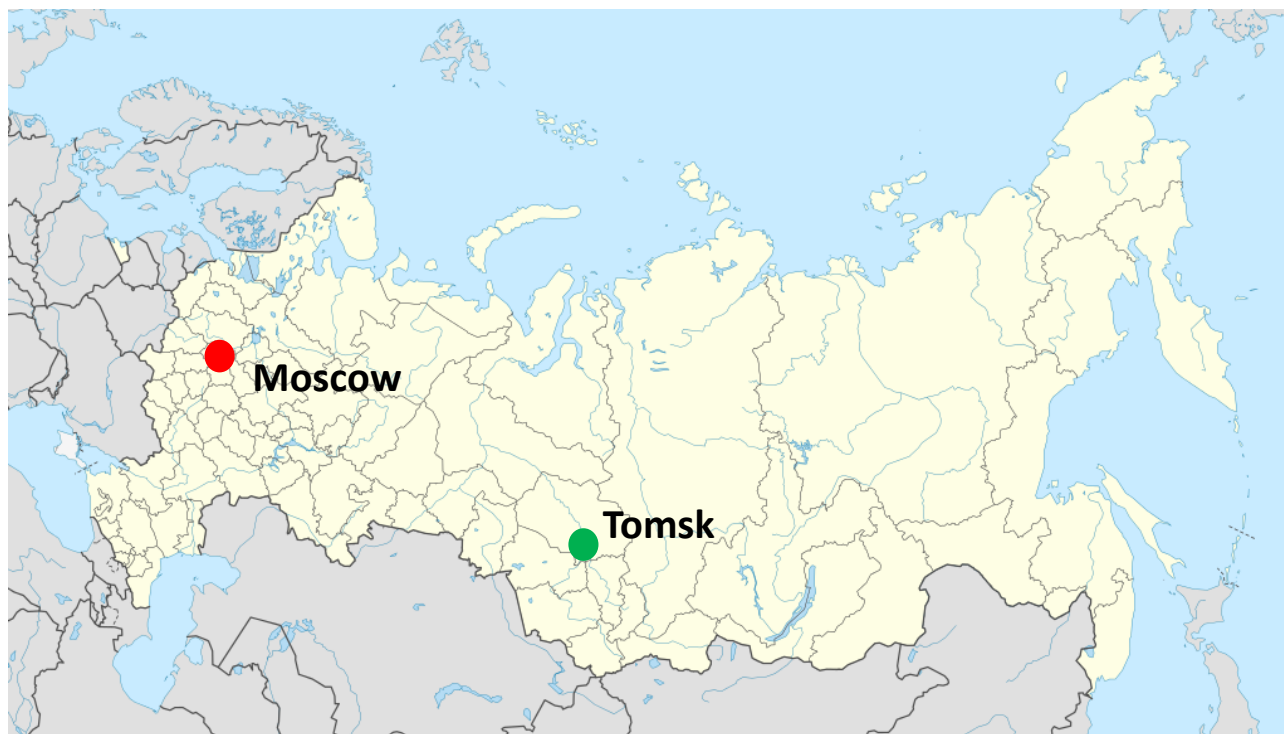
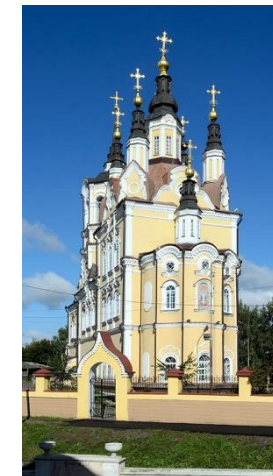
# Tomsk

**Founded in 1604**

**Population: 569 428**

**Metropolitan area: 750 000**

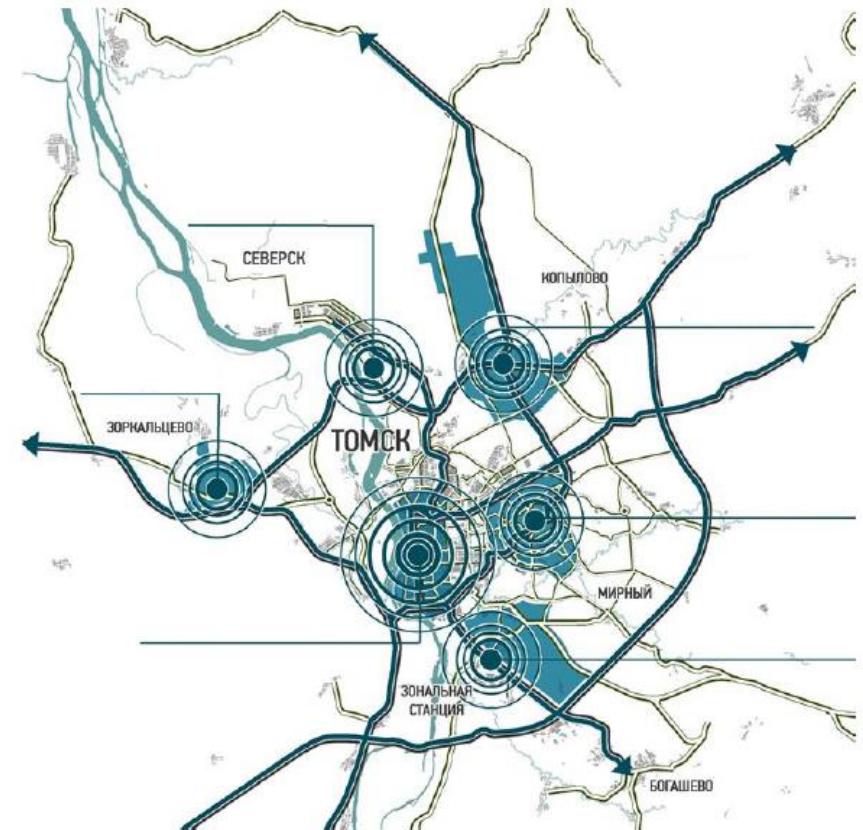
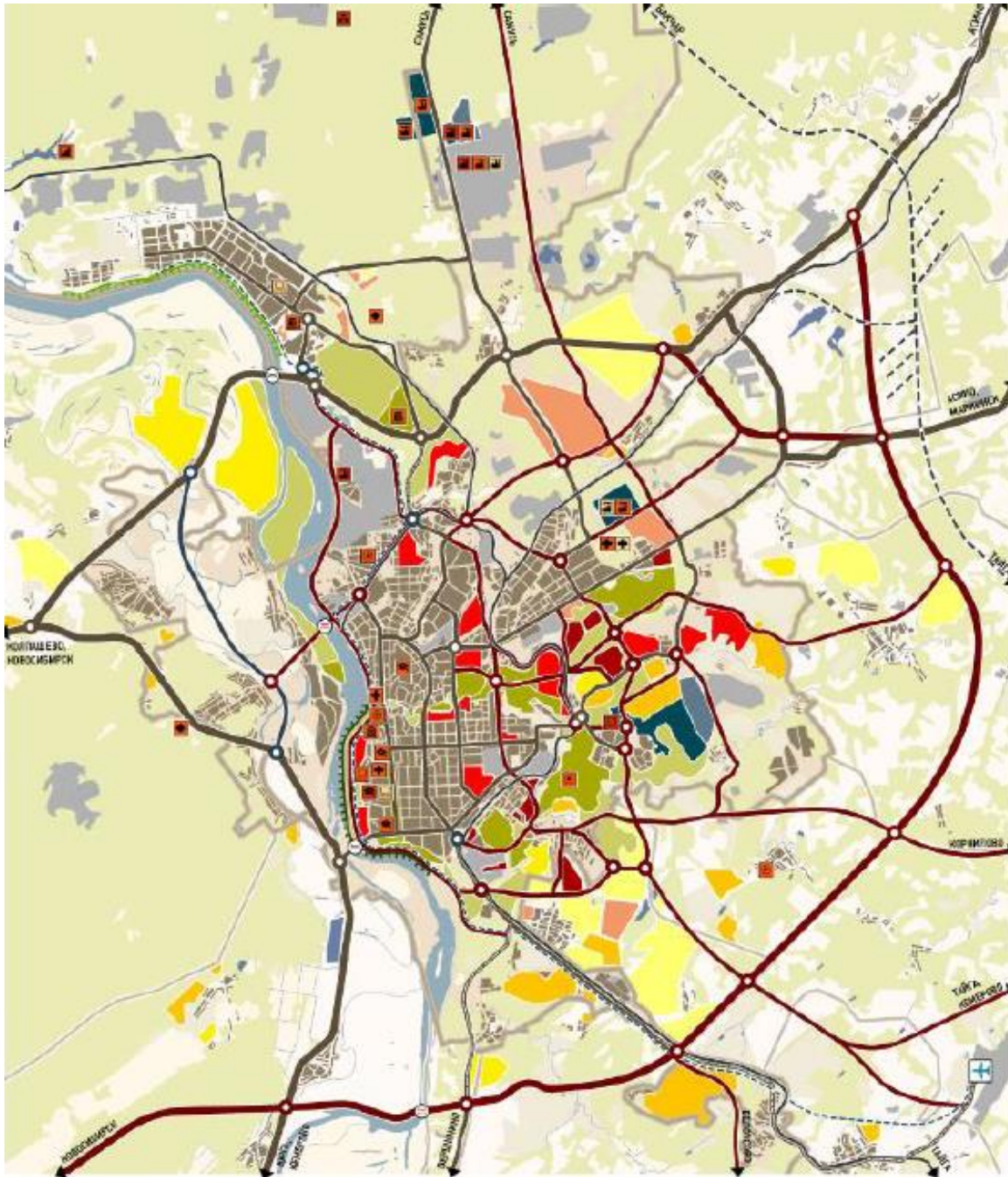
**Area: 294,6 km<sup>2</sup>**





# Tomsk Agglomeration

City of Tomsk  
City of Seversk  
Tomsk province



# Tomsk – University City – Siberian Athens

**86000 Students**

**Russian Ranking**

**QS BRICS Ranking**



**Tomsk State University**

**8**

**44**



**Tomsk Polytechnic University**

**9**

**64**



**Tomsk State University of  
Control Systems and  
Radioelectronics**

**49**

**121**

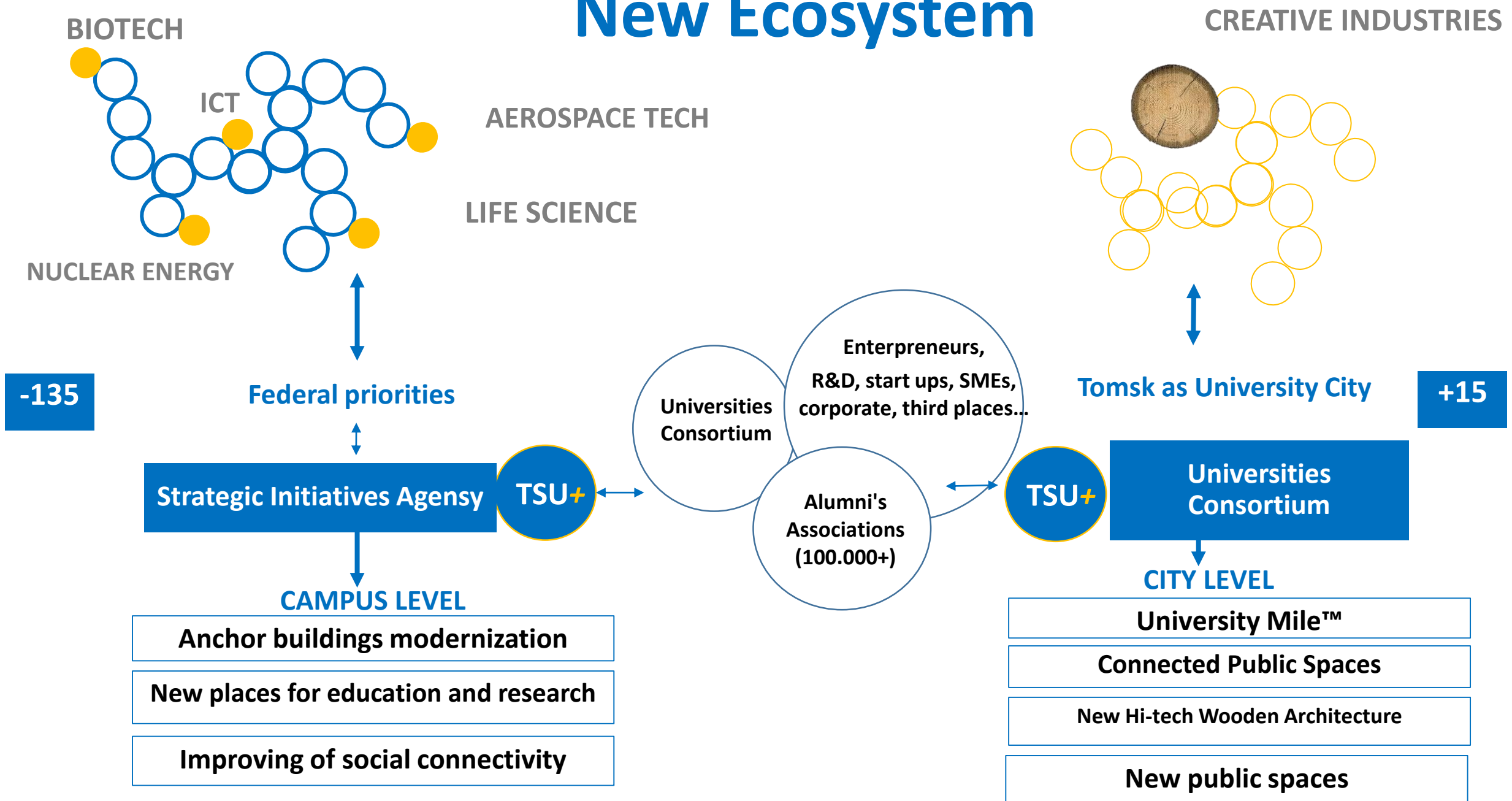


**Siberian State Medical University**

**85**

**-**

# New Ecosystem





# CAMPUS Modernization Principles

## 1. Communication & Connectivity

*Creation of new public spaces for communication and connectivity increasing, modern “marketplaces” as accelerators of human capital*

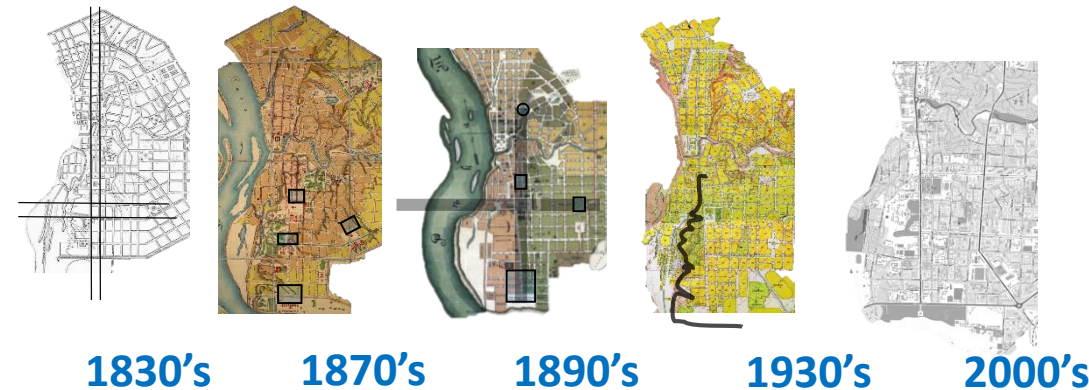


## 2. Heritage based development

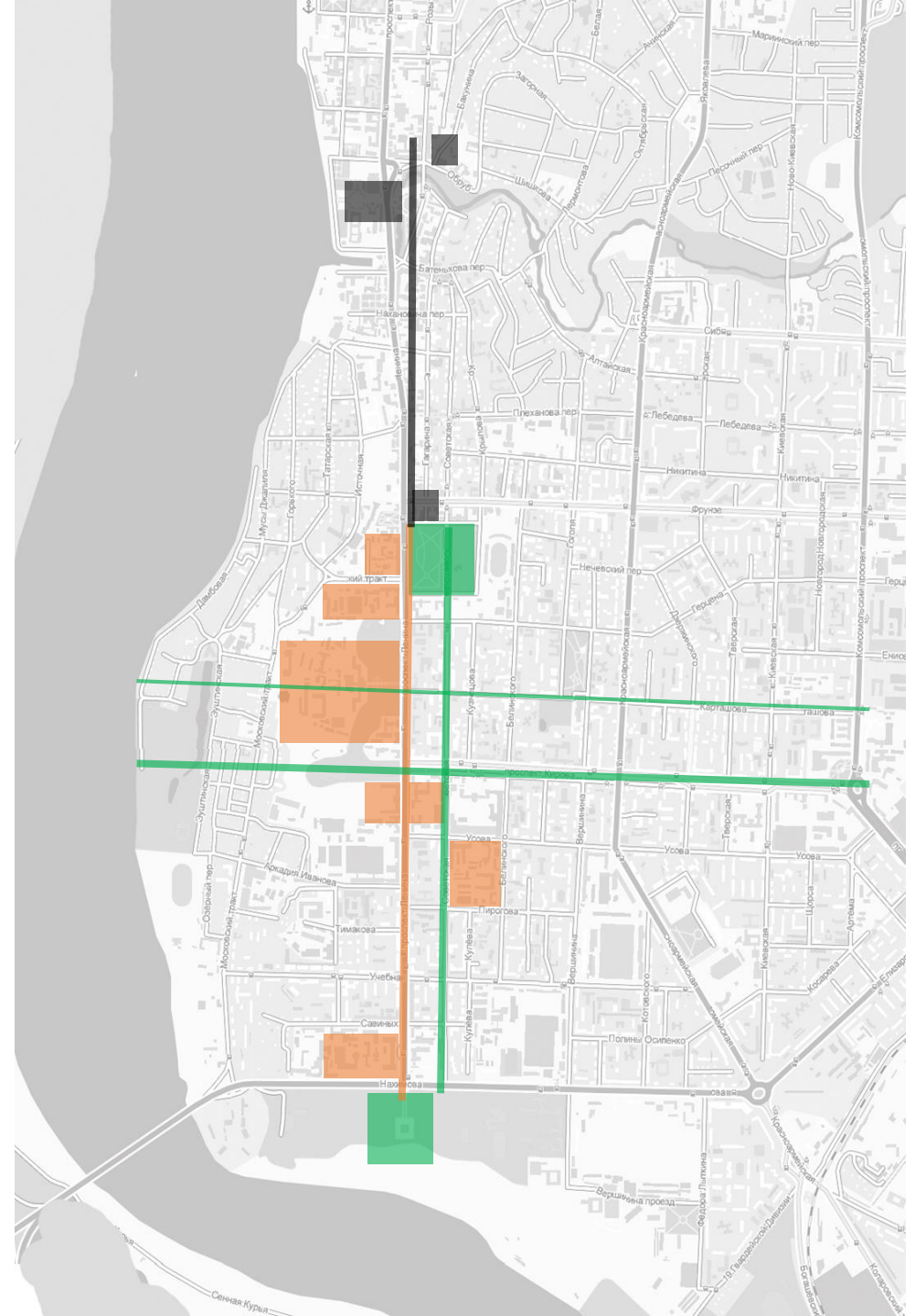
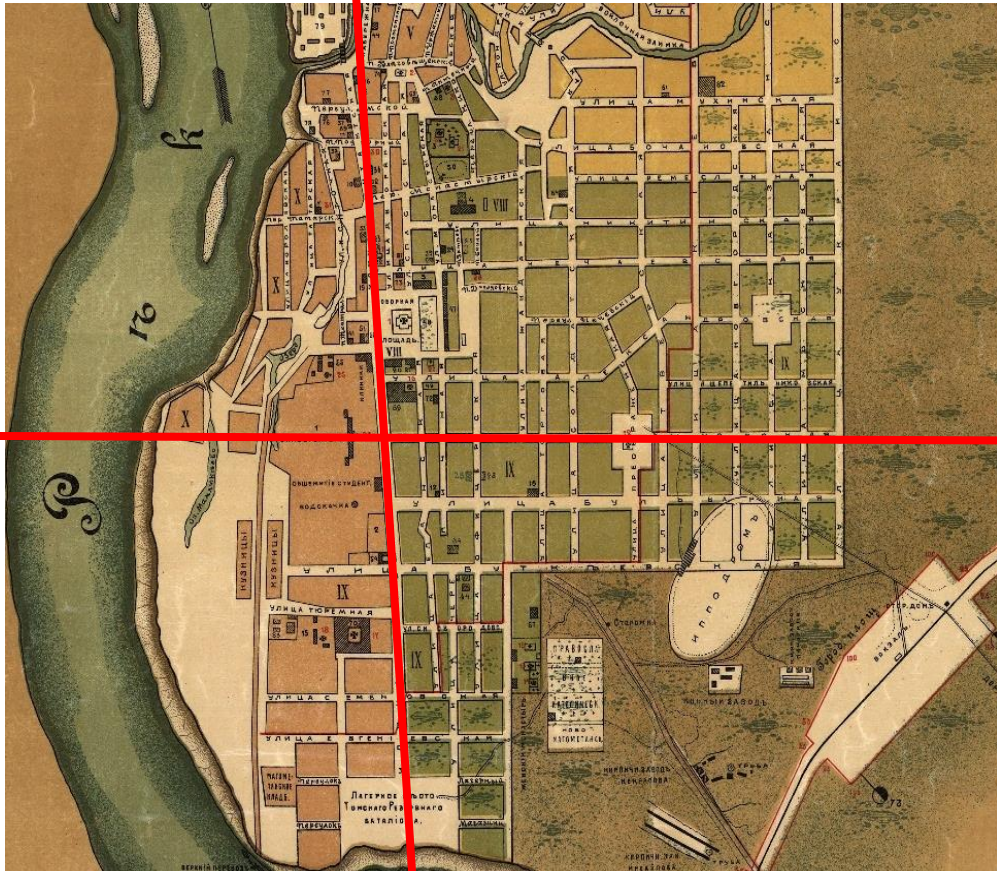
*Culture epoch layers integration: wooden buildings, classic architecture, soviet heritage and modern Hi-Tech wooden architecture*



## 3. Planning Axes



# UNIVERSITY MILE

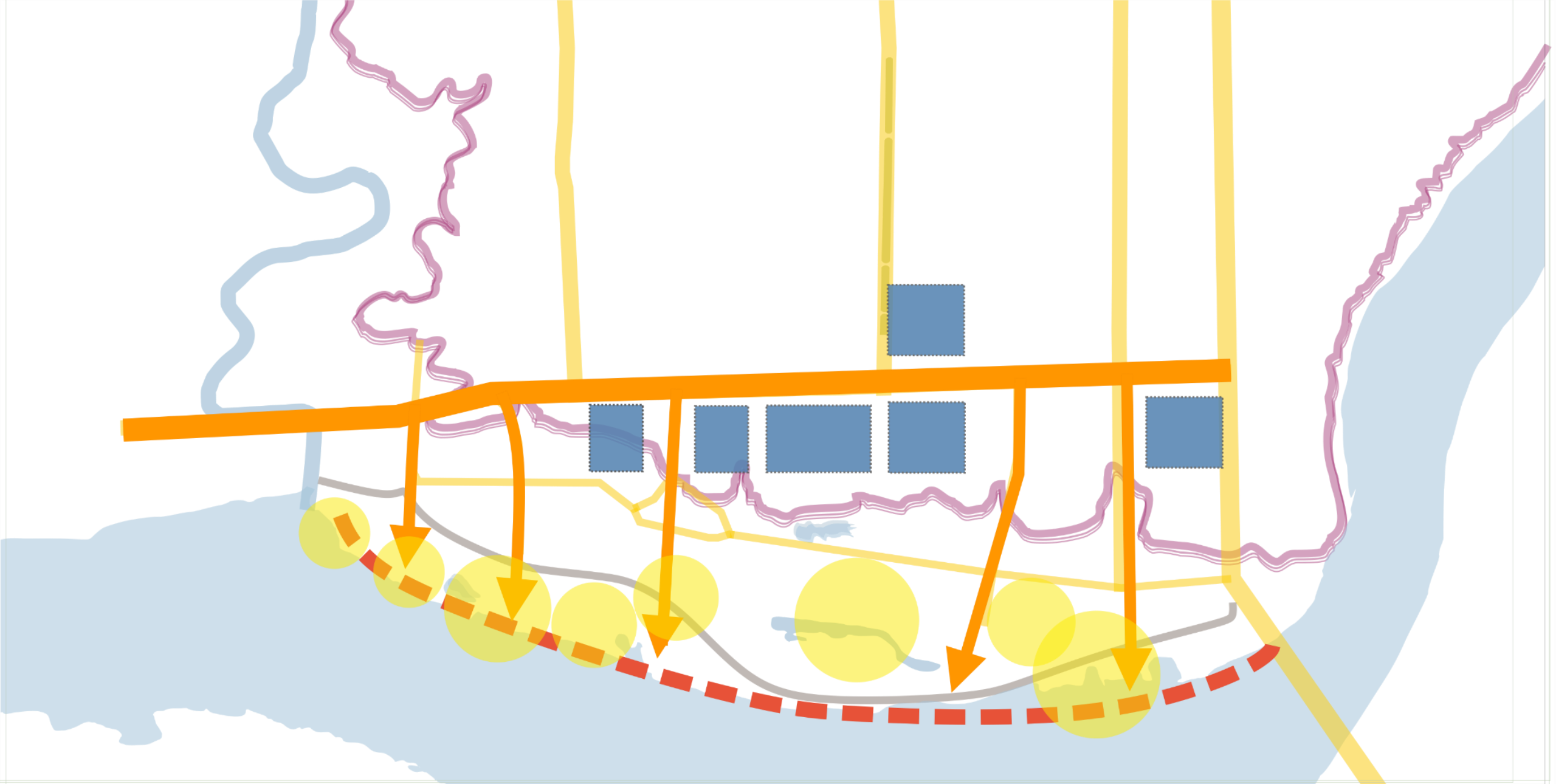


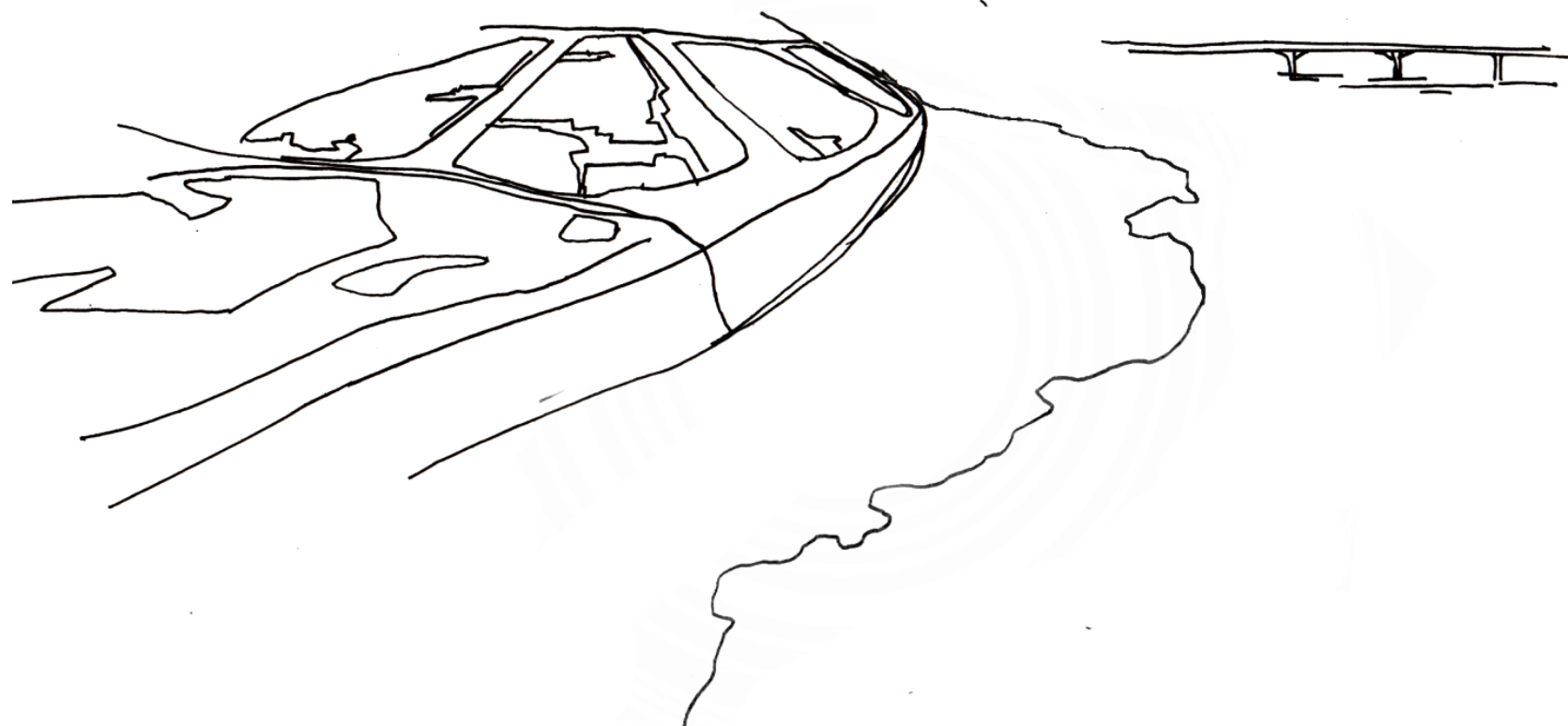


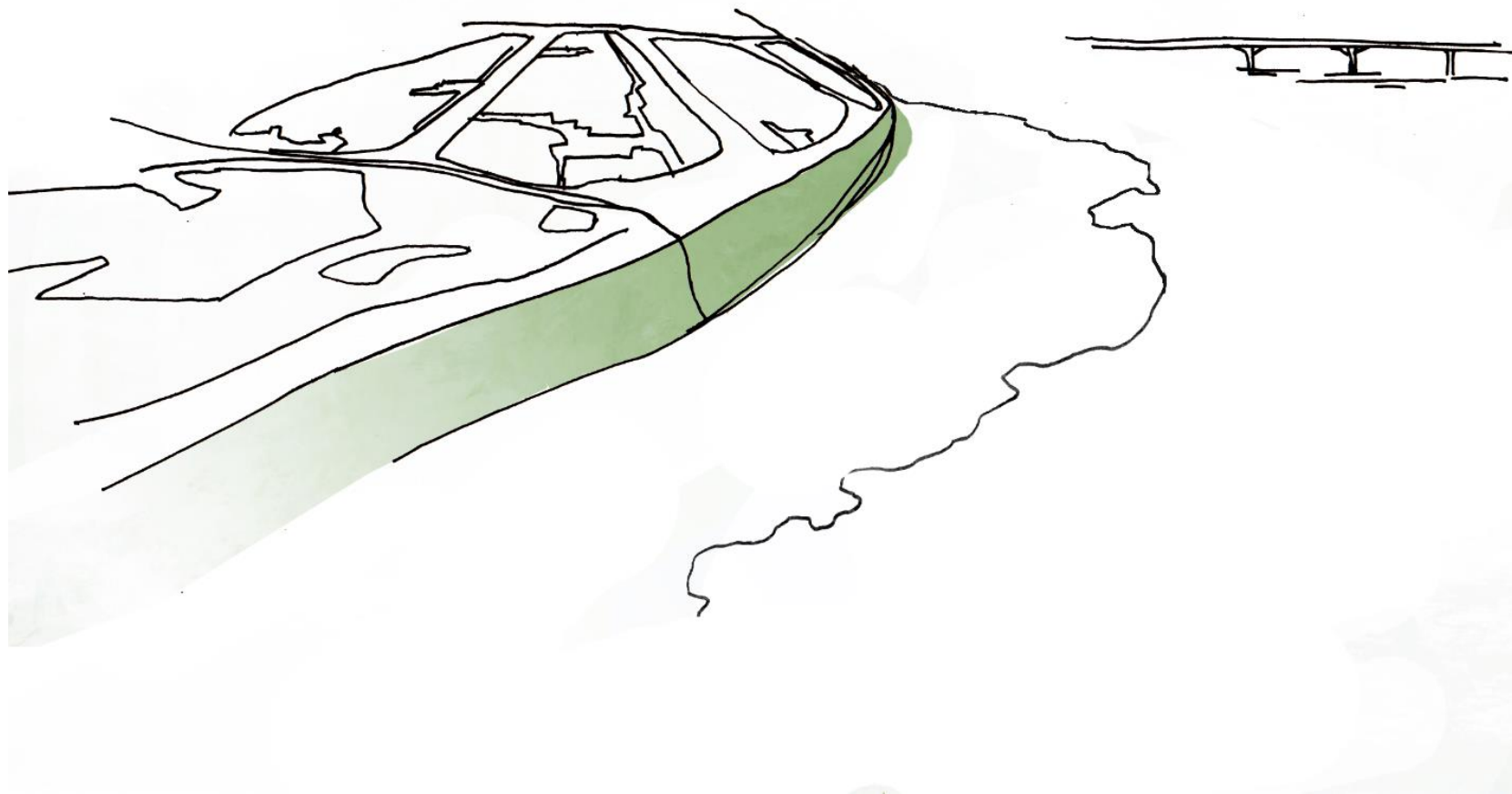
# River front development





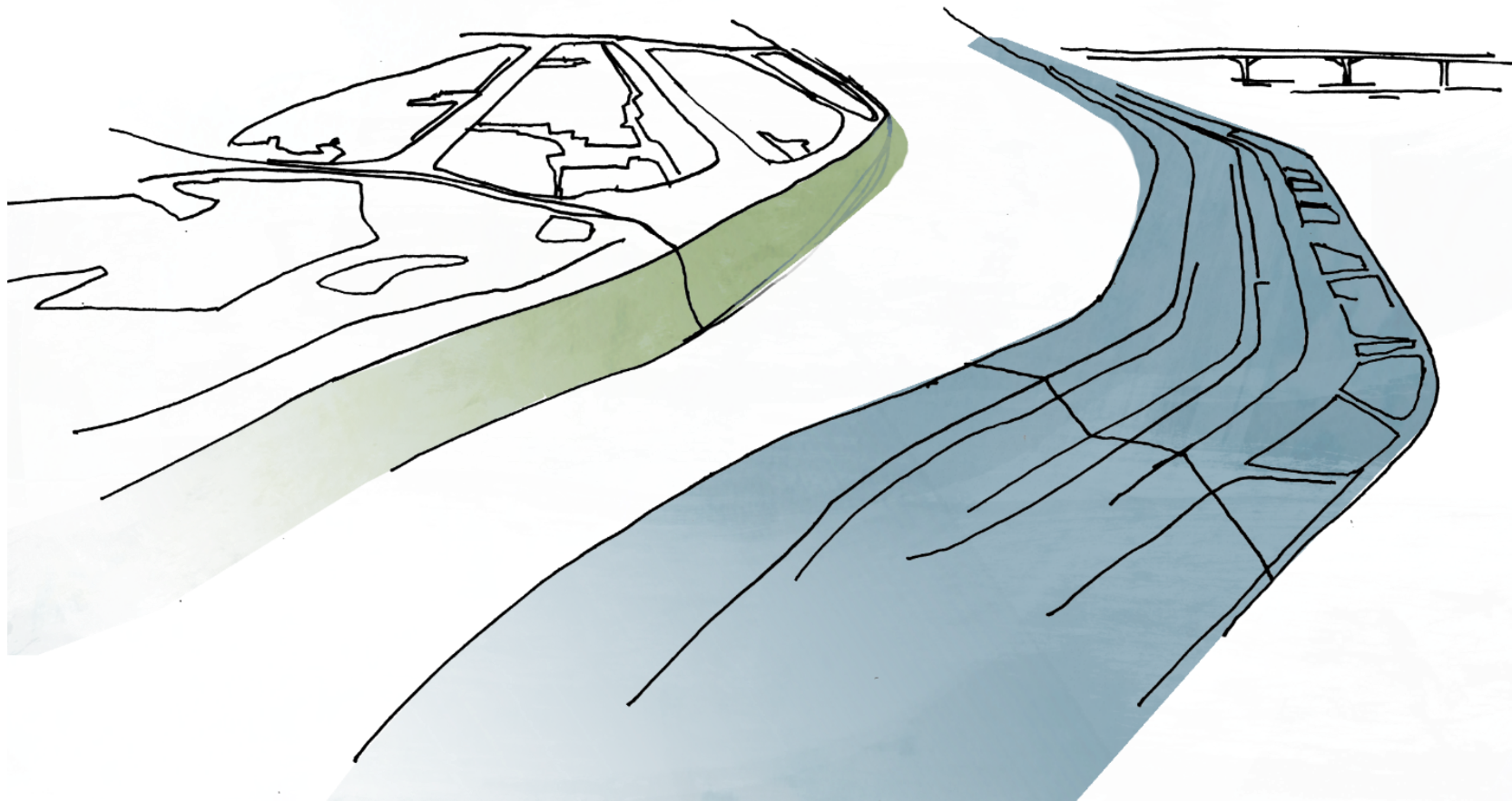






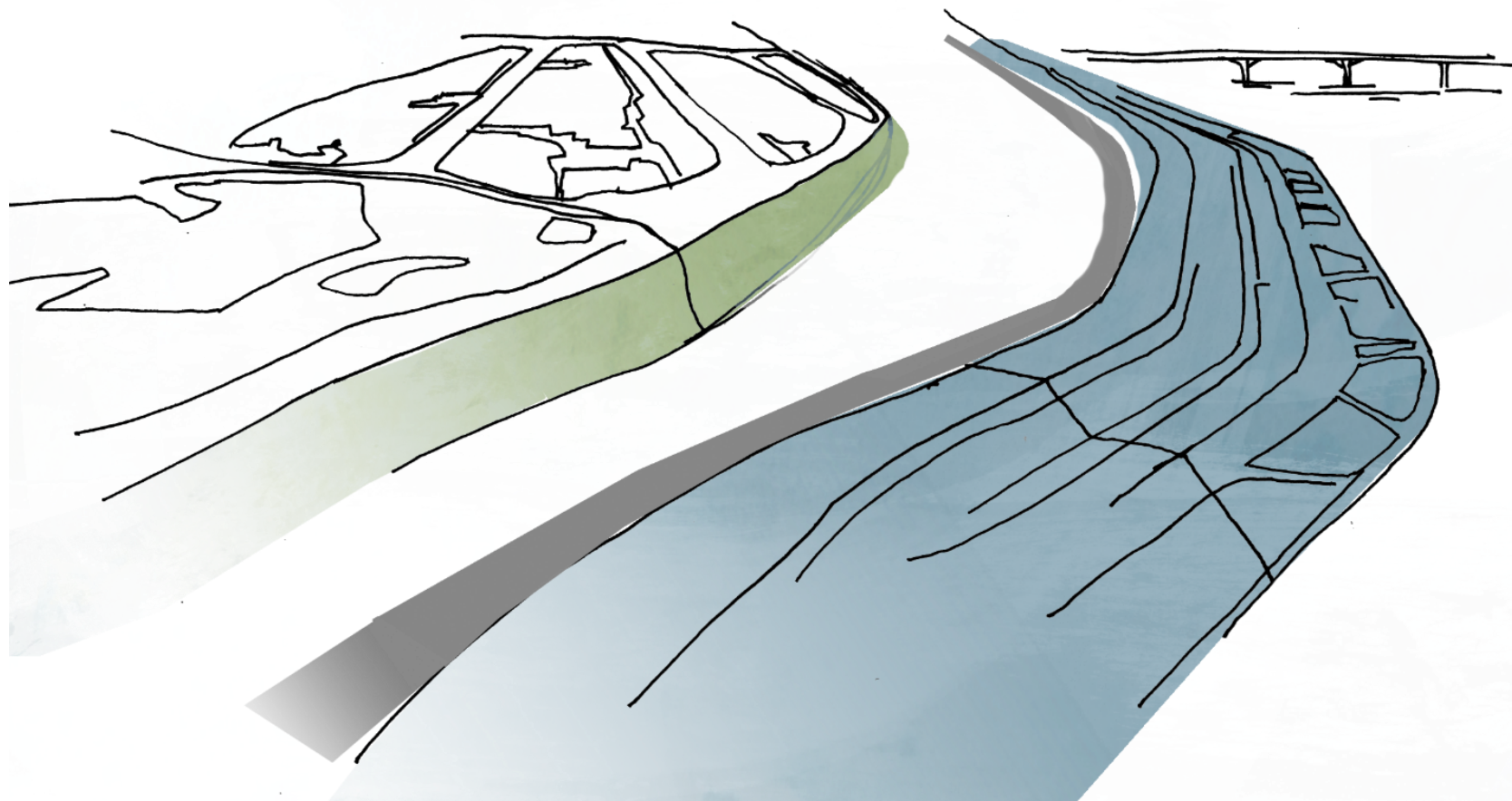
Existing Levee





New Levee

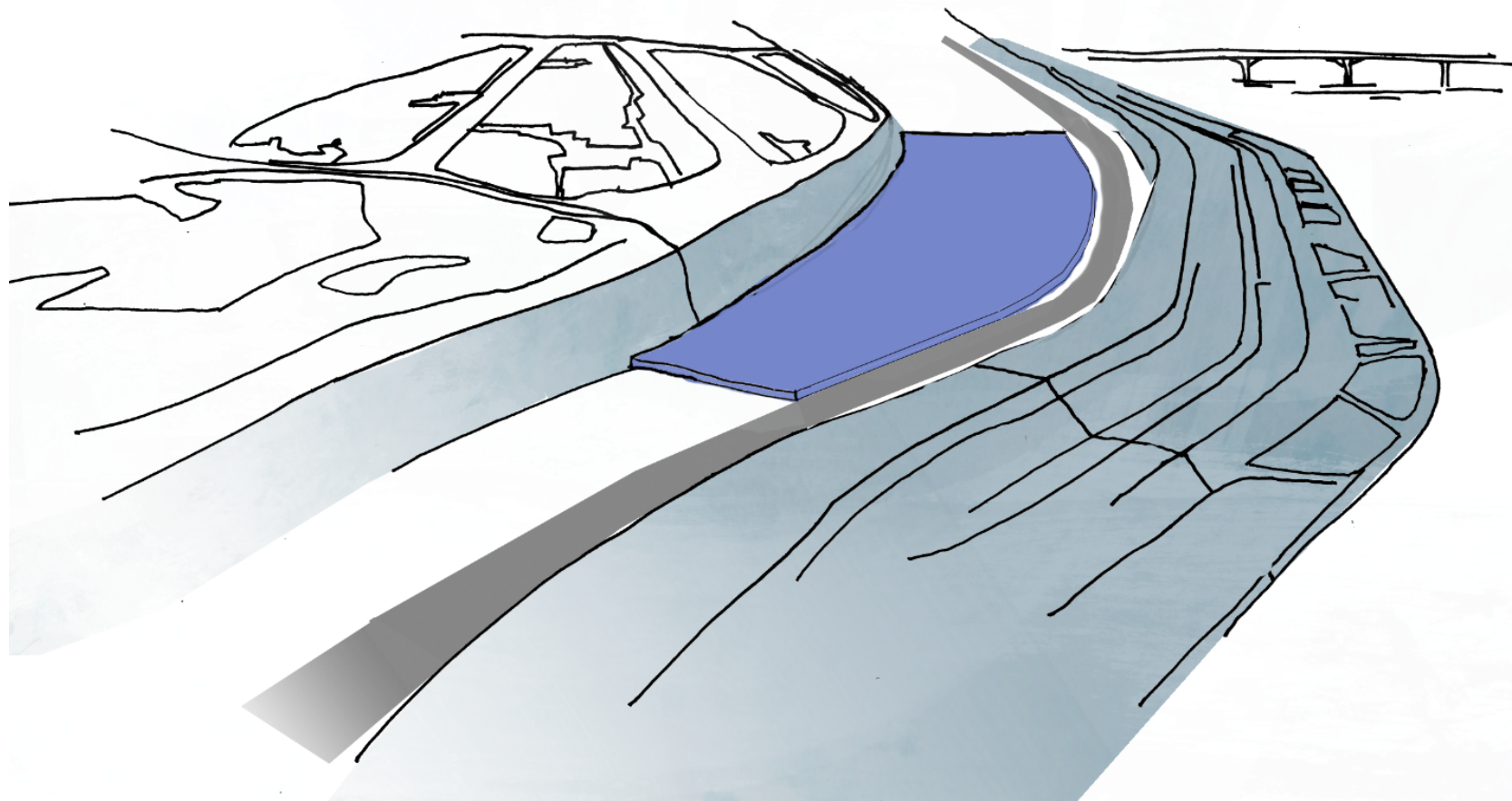
Existing Levee



New Road

New Levee

Existing Levee



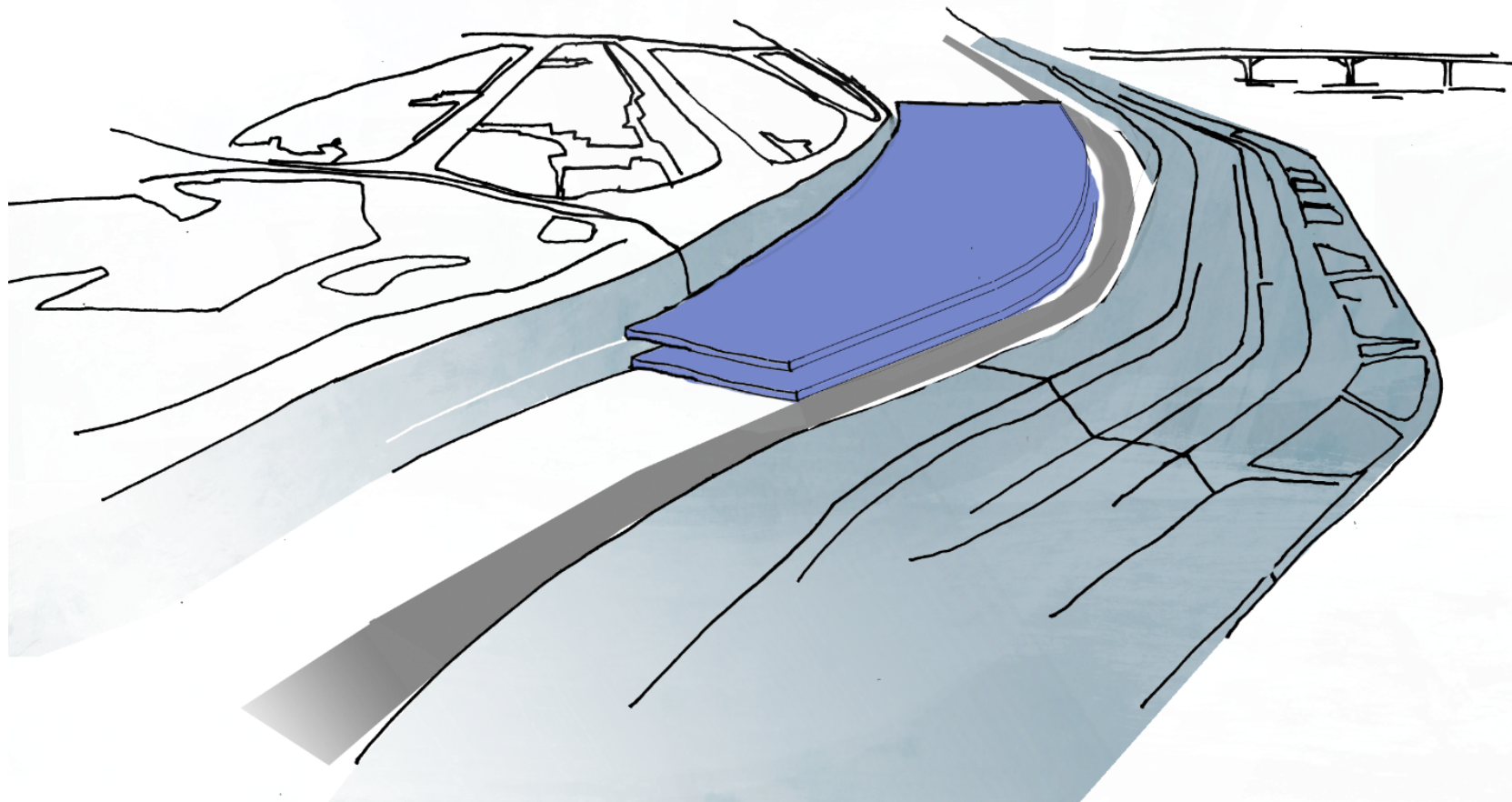
1<sup>st</sup> Platform

New Road

New Levee

Existing Levee





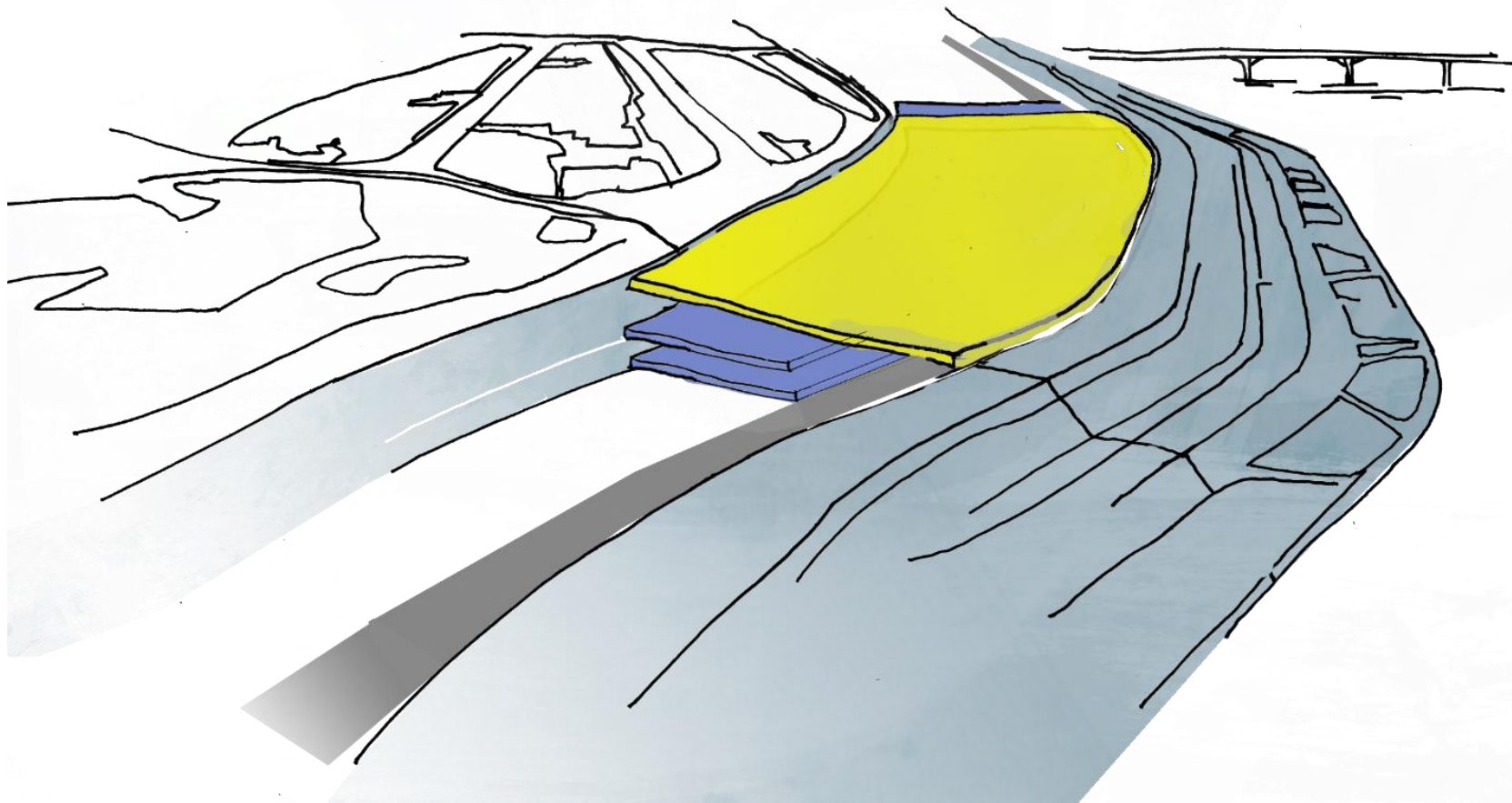
2<sup>nd</sup> Platform

1<sup>st</sup> Platform

New Road

New Levee

Existing Levee



3d Platform

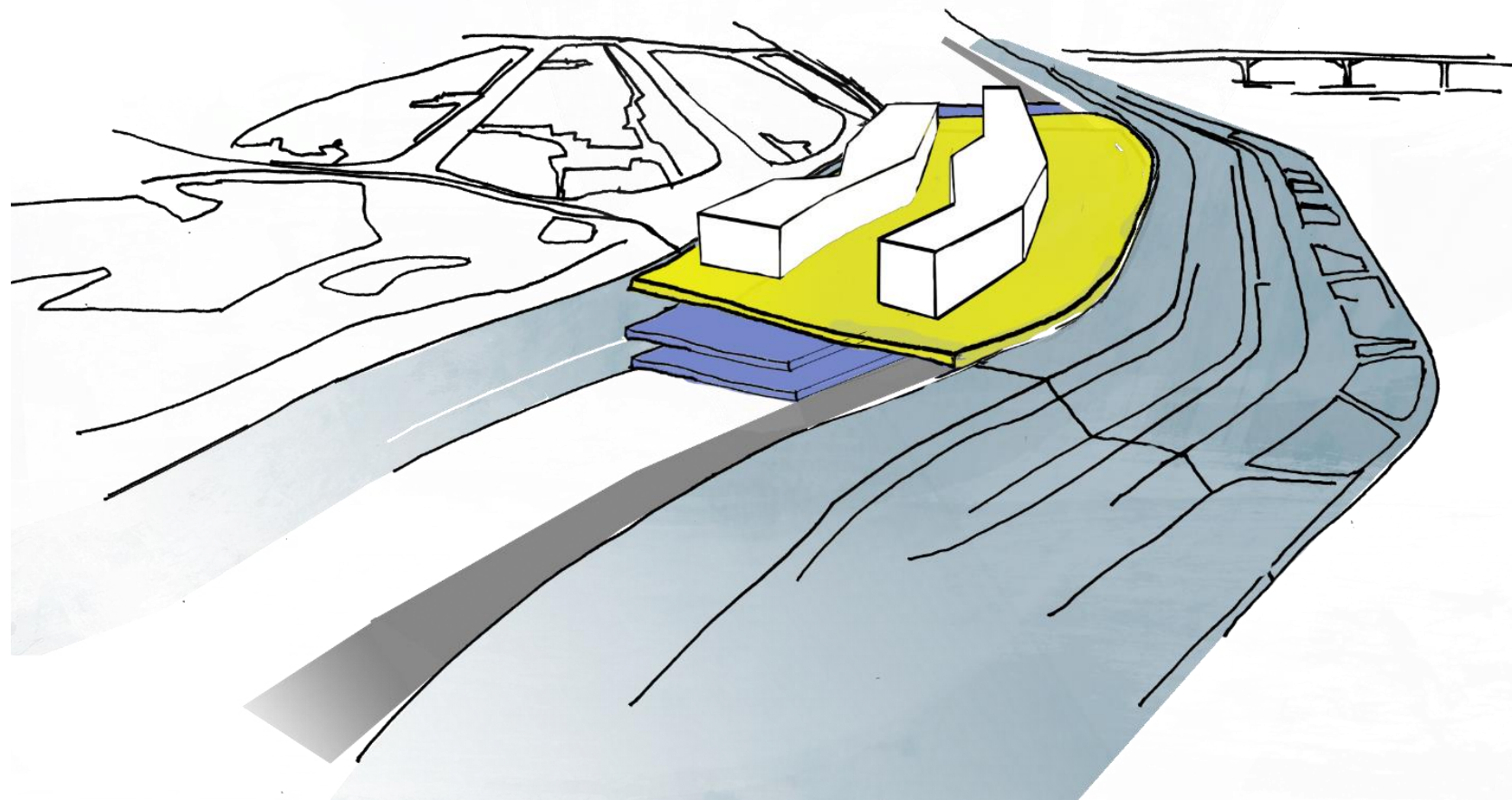
2<sup>nd</sup> Platform

1<sup>st</sup> Platform

New Road

New Levee

Existing Levee



Buildings

3d Platform

2<sup>nd</sup> Platform

1<sup>st</sup> Platform

New Road

New Levee

Existing Levee

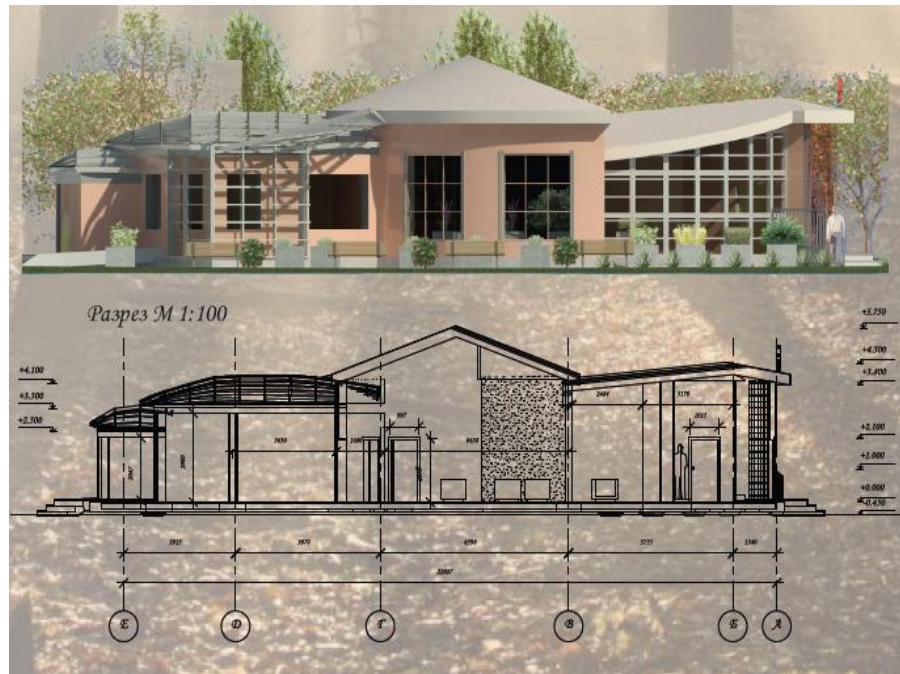




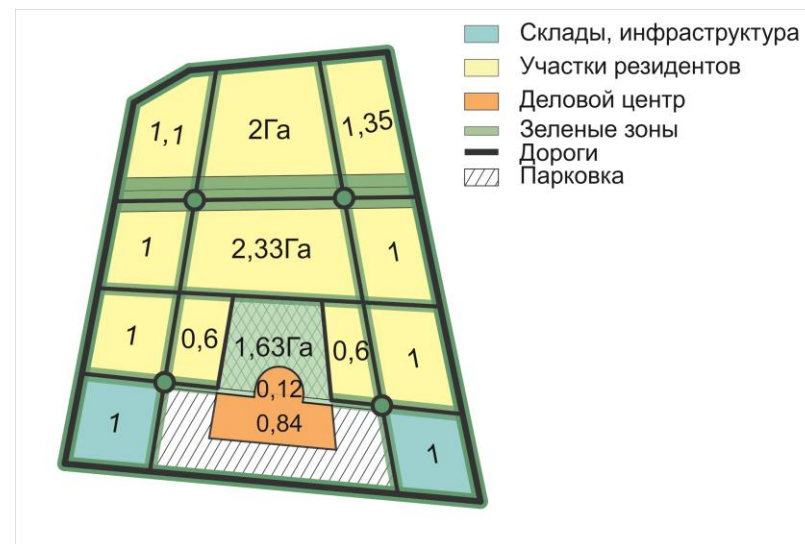
**SIBERIAN URBAN LAB**  
СИБИРСКАЯ ЛАБОРАТОРИЯ УРБАНИСТИКИ

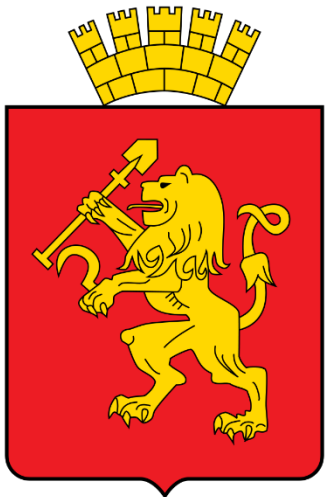


# Recreation park





[illegible]



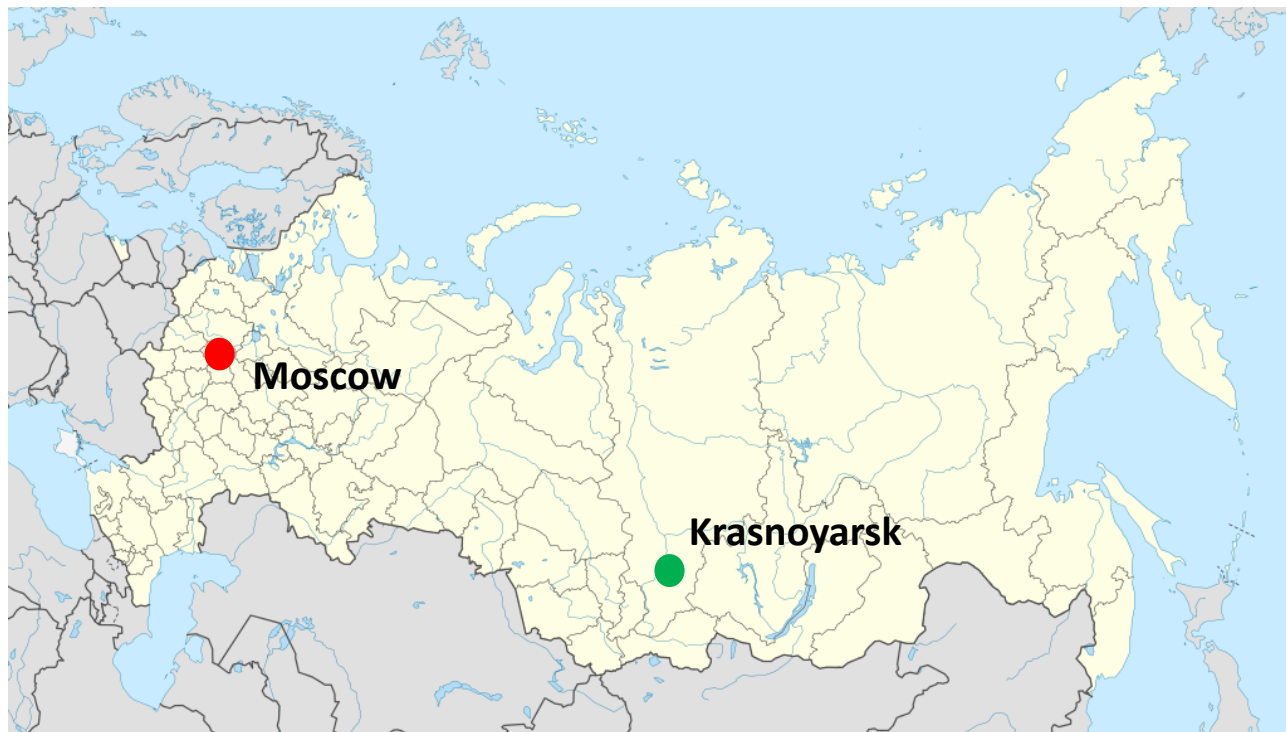
# Krasnoyarsk

**Founded in 1628**

**Population: 1 052 218**

**Metropolitan area: 1 350 000**

**Area: 385,8 km<sup>2</sup>**





# KRASNOYARSK 2033

## Master Plan



## Principles

1. Non-polluting highly technological industries, with limitation of percentage of land used for industrial
2. Creation of a connected system of public spaces and pedestrianisation of river-front and embankments
3. Prioritization of public transport system
4. New economy of knowledge and international positioning through events
5. Community participation



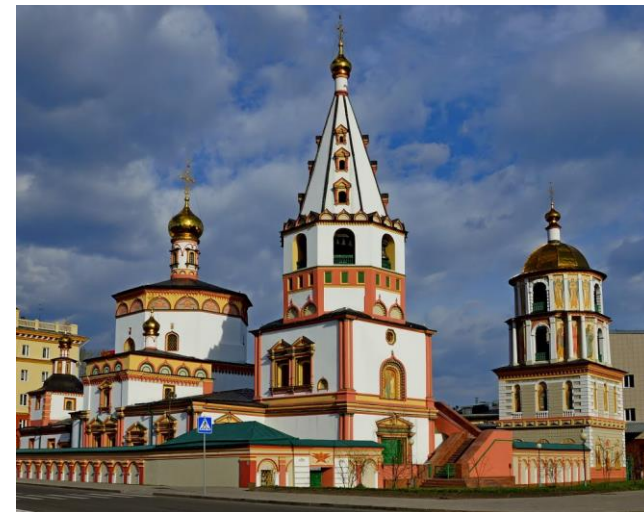
# Irkutsk

**Founded in 1661**

**Population: 620 099**

**Metropolitan area: 1 040 000**

**Area: 432 km<sup>2</sup>**





# BAIKAL Lake

**20% of world fresh water**

**1 mln tourists**

**Depth 1642 m**

**Length 636 km**

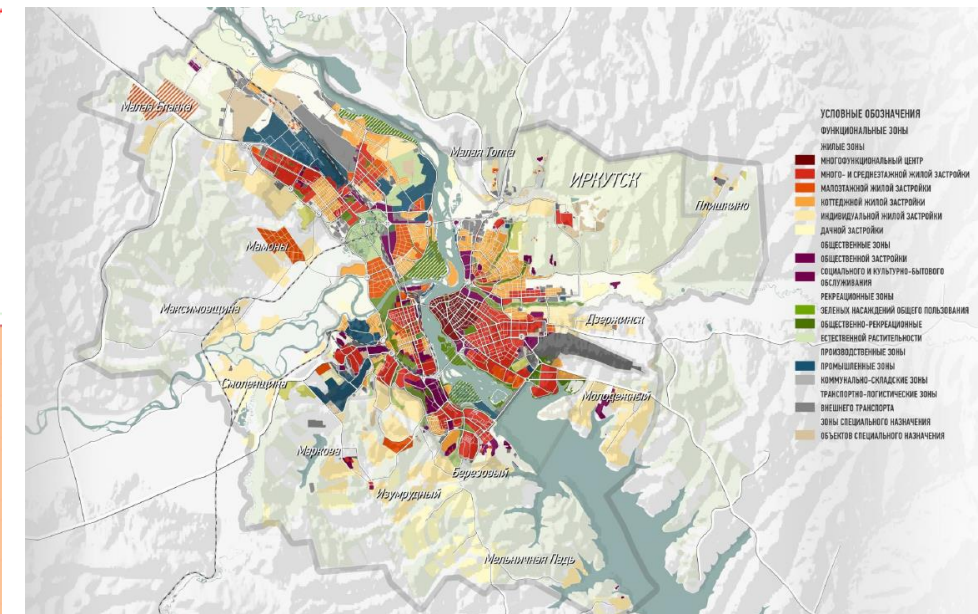
**Width 80 km**







City of Irkutsk  
City of Angarsk  
City of Shelekhov  
Irkutsk province









# Illegal market in the city center













# **“Irkutsk quarters” project scheme**

**12 blocks**

**About 50 Hectares**

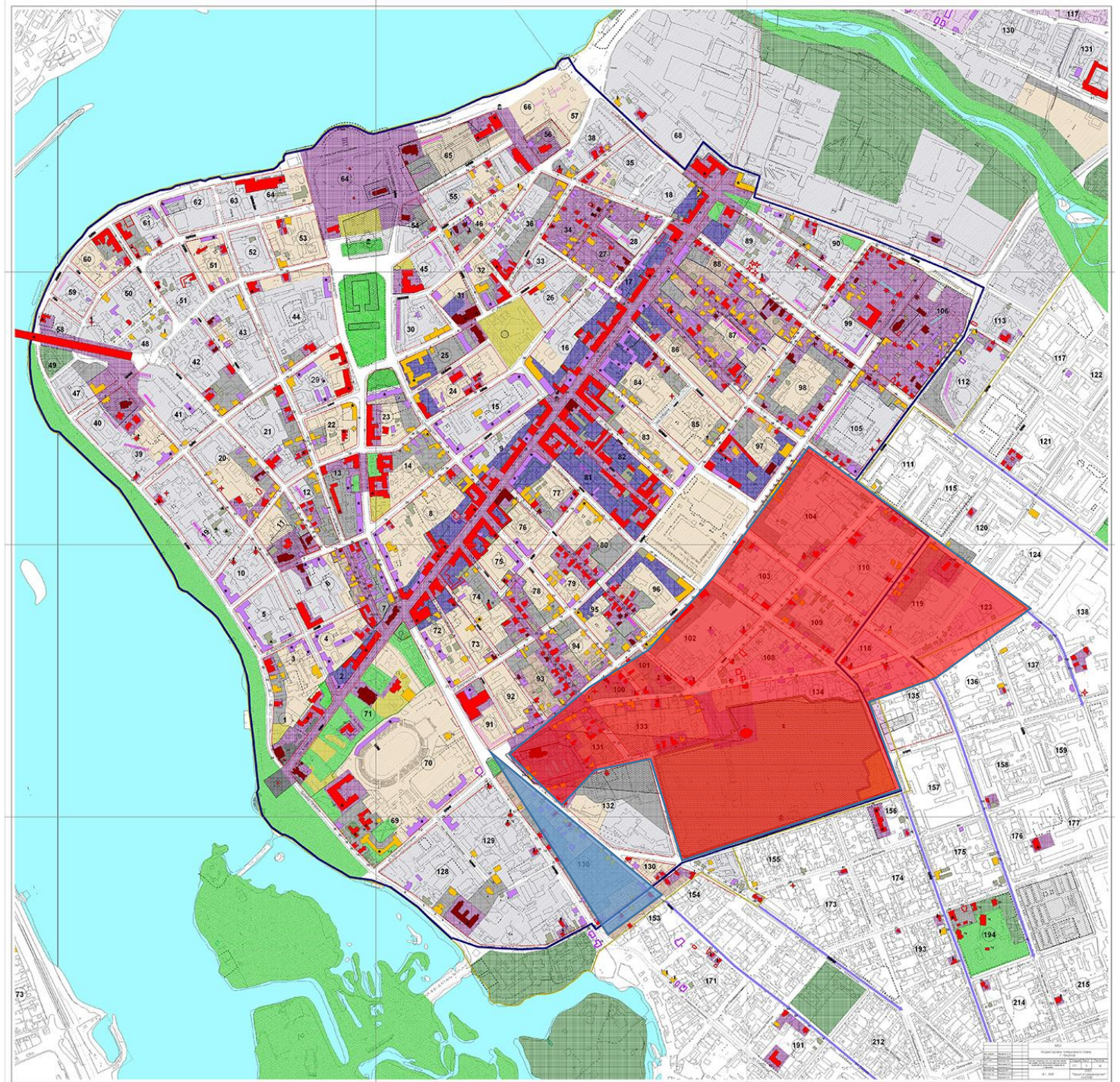
**Quarter №130**

**Has been already done**

**Area - 6 Hectares**

**About 200 mln \$US annual  
turnover**

**The most profitable real estate in  
the city**





**130<sup>th</sup> quarter**  
**Before regeneration**  
**2010**



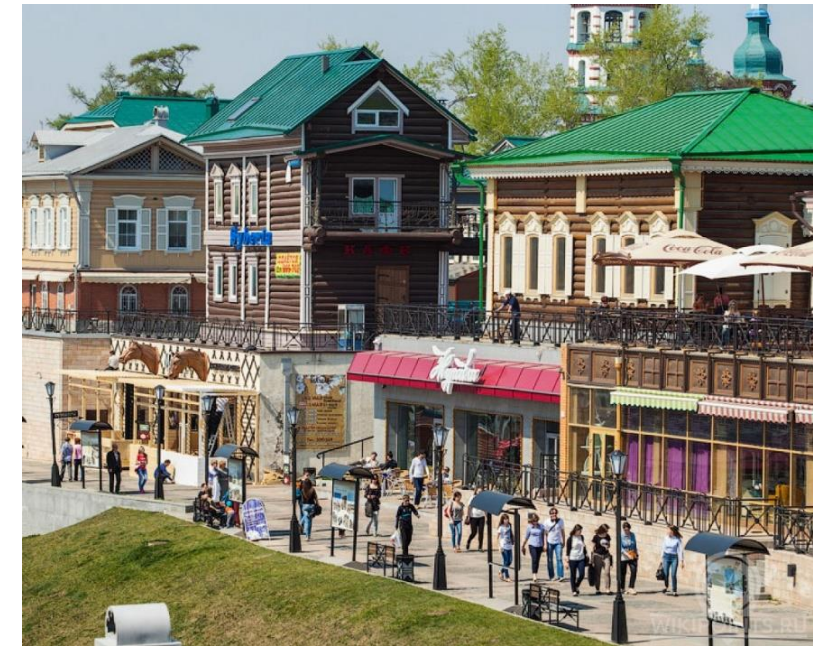


# 130<sup>th</sup> quarter master plan

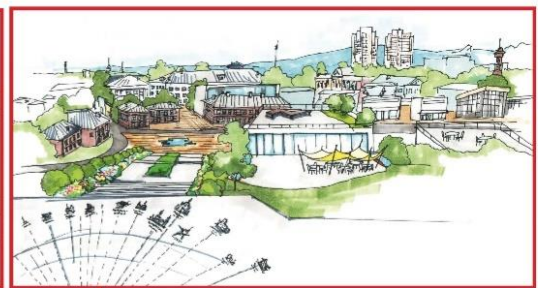
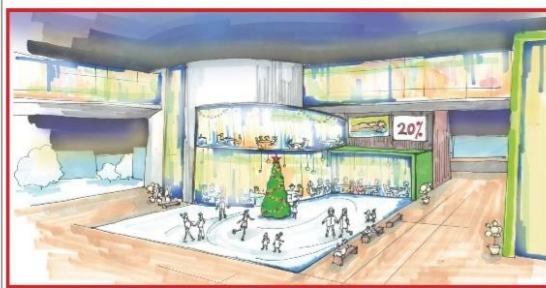




# 130 quarter nowadays







					02-14 К		
					Концепция развития территории и архитектурных зон центральной части города Иркутска		
Имя	Дан	Имя	Фамилия	Имя	Страница	Лист	Листов
Имя	Дан	Имя	Фамилия	Имя	К	15	17
Имя	Дан	Имя	Фамилия	Имя	3D визуализация. Вариант 1.		
Имя	Дан	Имя	Фамилия	Имя	Вид с севера (от торгового комплекса)		
Имя	Дан	Имя	Фамилия	Имя	SIBERIAN URBAN LAB		



## Types of property map

[illegible]

 ГРАНИЦЫ ЗЕМЕЛЬНЫХ УЧАСТКОВ

ГРАНИЦЫ ОКС

ЗЕМЕЛЬНЫЕ УЧАСТКИ И ОКС В СОБСТВЕННОСТИ ФИЗИЧЕСКИХ ЛИЦ

**ЗЕМЕЛЬНЫЕ УЧАСТКИ И ОКС В СОБСТВЕННОСТИ ЮРИДИЧЕСКИХ ЛИЦ**

**ЗЕМЕЛЬНЫЕ УЧАСТКИ И ОКС В СОБСТВЕННОСТИ ЮРИДИЧЕСКИХ И ФИЗИЧЕСКИХ ЛИЦ (СМЕШАННАЯ)**

ЗЕМЕЛЬНЫЕ УЧАСТКИ И ОКС В ФЕДЕРАЛЬНОЙ СОБСТВЕННОСТИ

ЗЕМЕЛЬНЫЕ УЧАСТКИ И ОКС В ОБЛАСТНОЙ СОБСТВЕННОСТИ

ЗЕМЕЛЬНЫЕ УЧАСТКИ И ОКС В МУНИЦИПАЛЬНОЙ СОБСТВЕННОСТИ

### МНОГОКВАРТИРНЫЕ ЖИЛЫЕ ДОМА

QUANTIFICATION OF LACTIC ACID IN QUES

LEGALEGGI LEGALITÀ DI SEGALEGGI LEGALITÀ

DETAILED TABLES OF THE SEQUENCE OF THE 5' AND 3' UNTRANSLATED REGIONS OF THE mRNA

ЗЕМЕЛЬНЫЕ УЧАСТКИ И ОКС, ПРАВА НА КОТОРЫЕ НЕЗАРЕГИСТРИРОВАНЫ





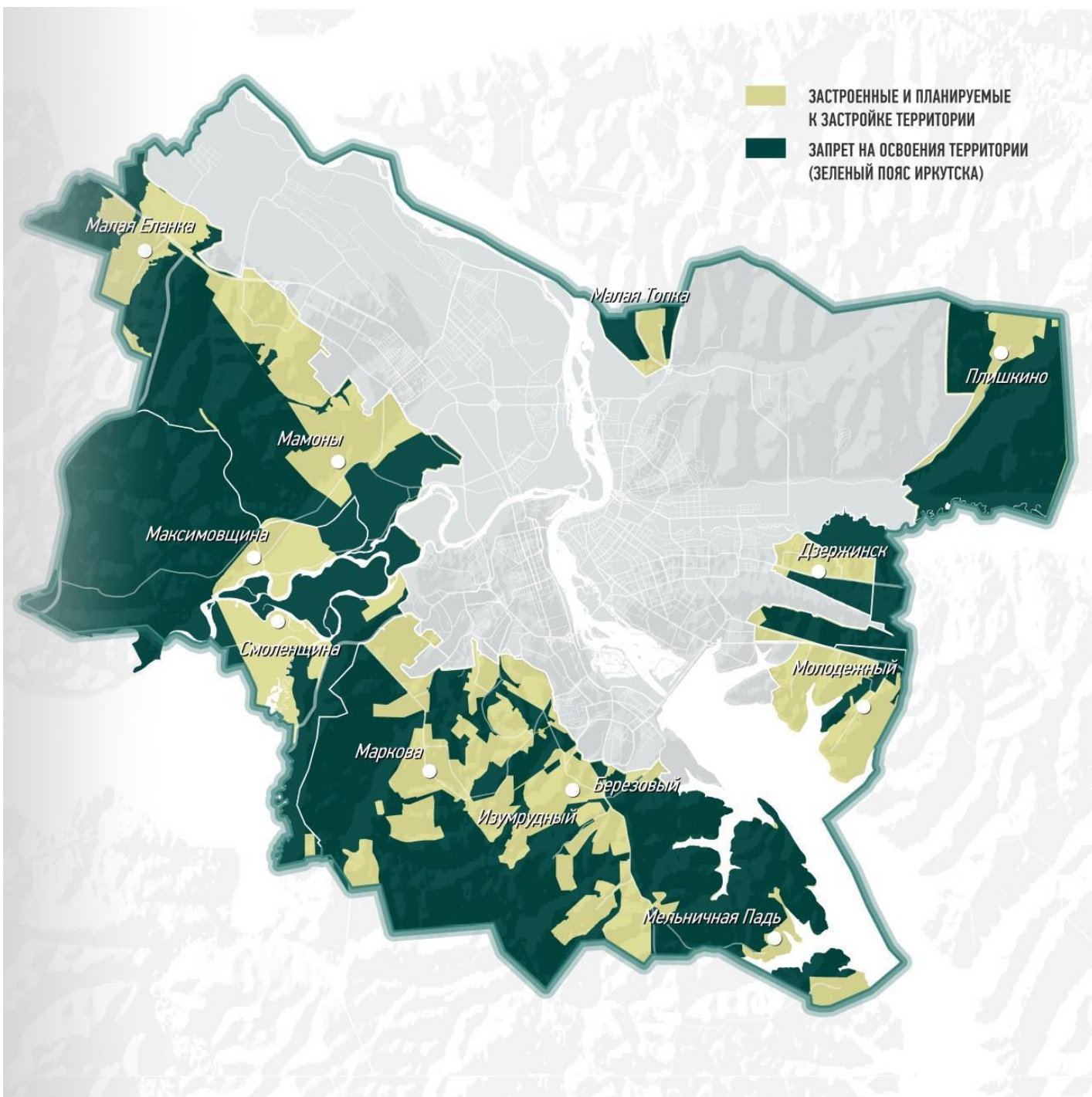
# СХЕМА ЭТАПОВ РЕАЛИЗАЦИИ ПРОЕКТА "ИРКУТСКИЕ КВАРТАЛЫ"

## УСЛОВНЫЕ ОБОЗНАЧЕНИЯ

- ПЕШЕХОДНЫЙ ПУТЬ
- ПАМЯТНИКИ
- СУЩЕСТВУЮЩИЕ СТРОЕНИЯ  
ОСТАЮЩИЕСЯ В ПРОЕКТЕ
- ЭТАПЫ РЕАЛИЗАЦИИ ПРОЕКТА
  - ЭТАП 1 - СТРОИТЕЛЬСТВО 2016Г
  - ЭТАП 2 - СТРОИТЕЛЬСТВО 2017-18ГГ
  - ЭТАП 3 - СТРОИТЕЛЬСТВО 2019 Г - СЛЕД. ГОДА



# Challenges



**Governance**

**Stakeholders interests**

**Infrastructure**

**Migration**



**Merci de votre attention**

**Thank you for your attention**

**Спасибо за внимание**