



Learning from America's Mistakes:

Moscow and Abu Dhabi

Defining the Great 21st Century Metropolis?

Jeffrey Tumlin
11/14/13 UTRC





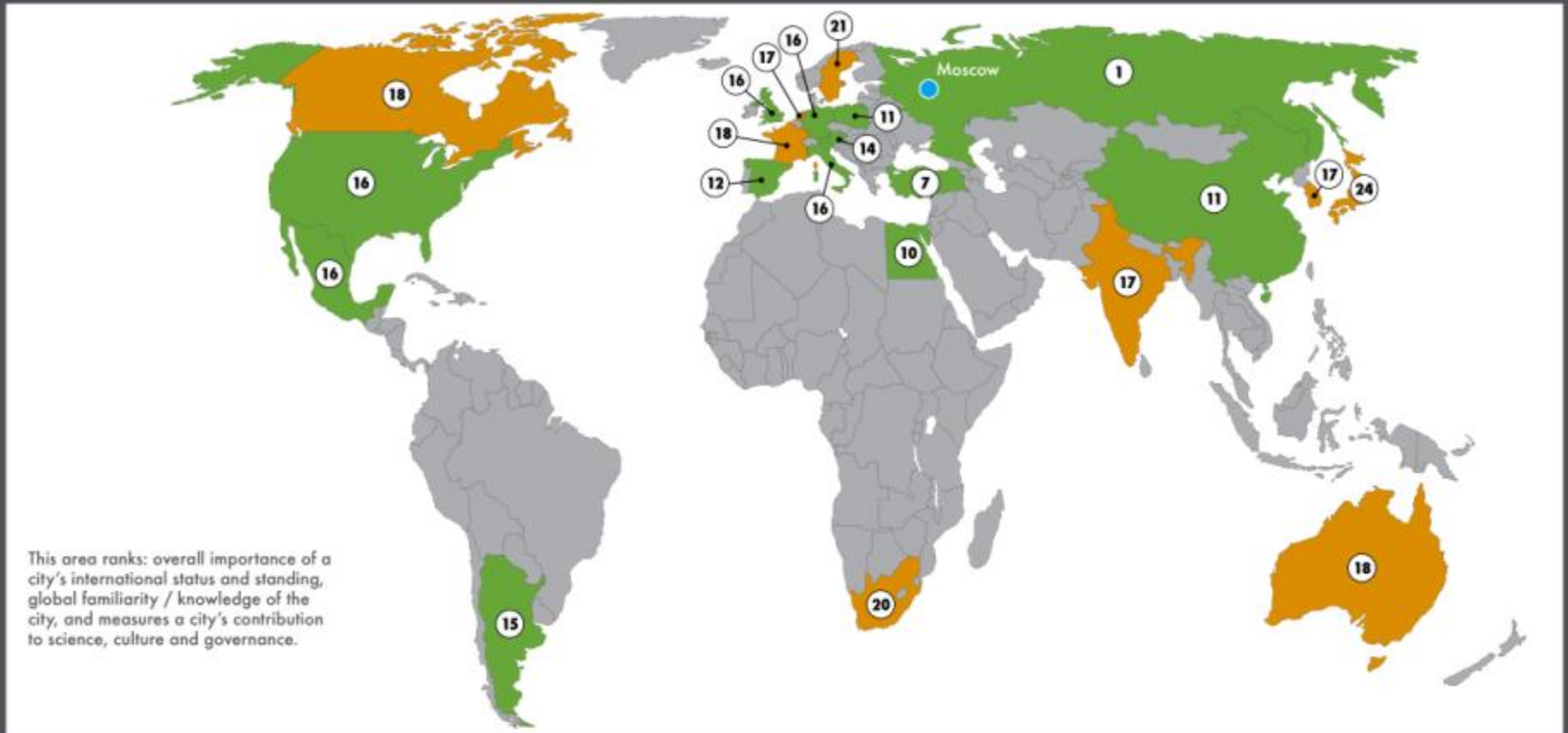
MOSCOW: CAPITAL POTENTIALS

CAPITAL CITIES PLANNING GROUP
UNITED STATES + UNITED KINGDOM + CANADA + RUSSIA



Importance

- How countries around the world perceive Moscow's importance

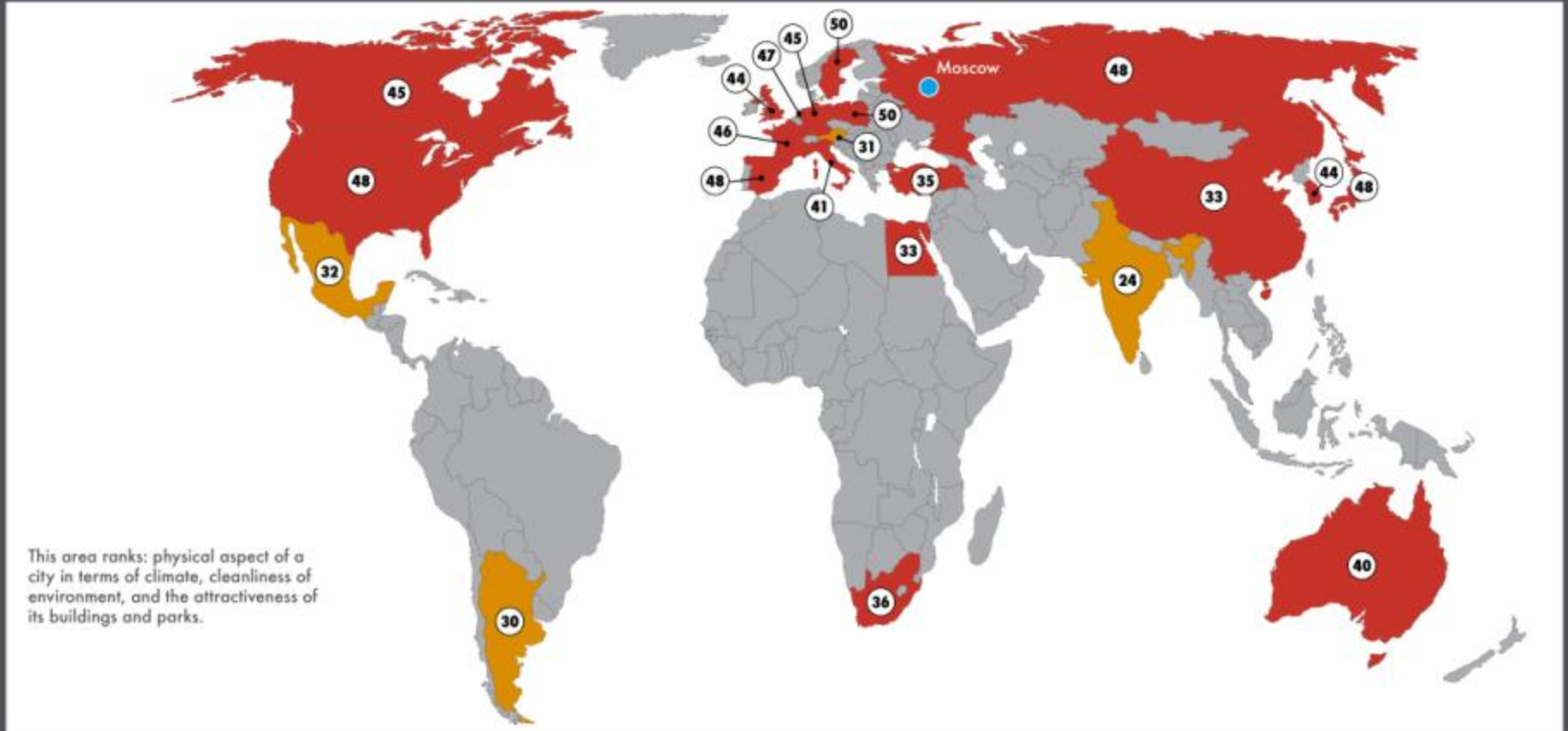


Average Ranking of **15**th out of **50**

Russians Ranking of Moscow is **1**st out of **50**



Place - How countries around the world perceive Moscow's physical attractiveness

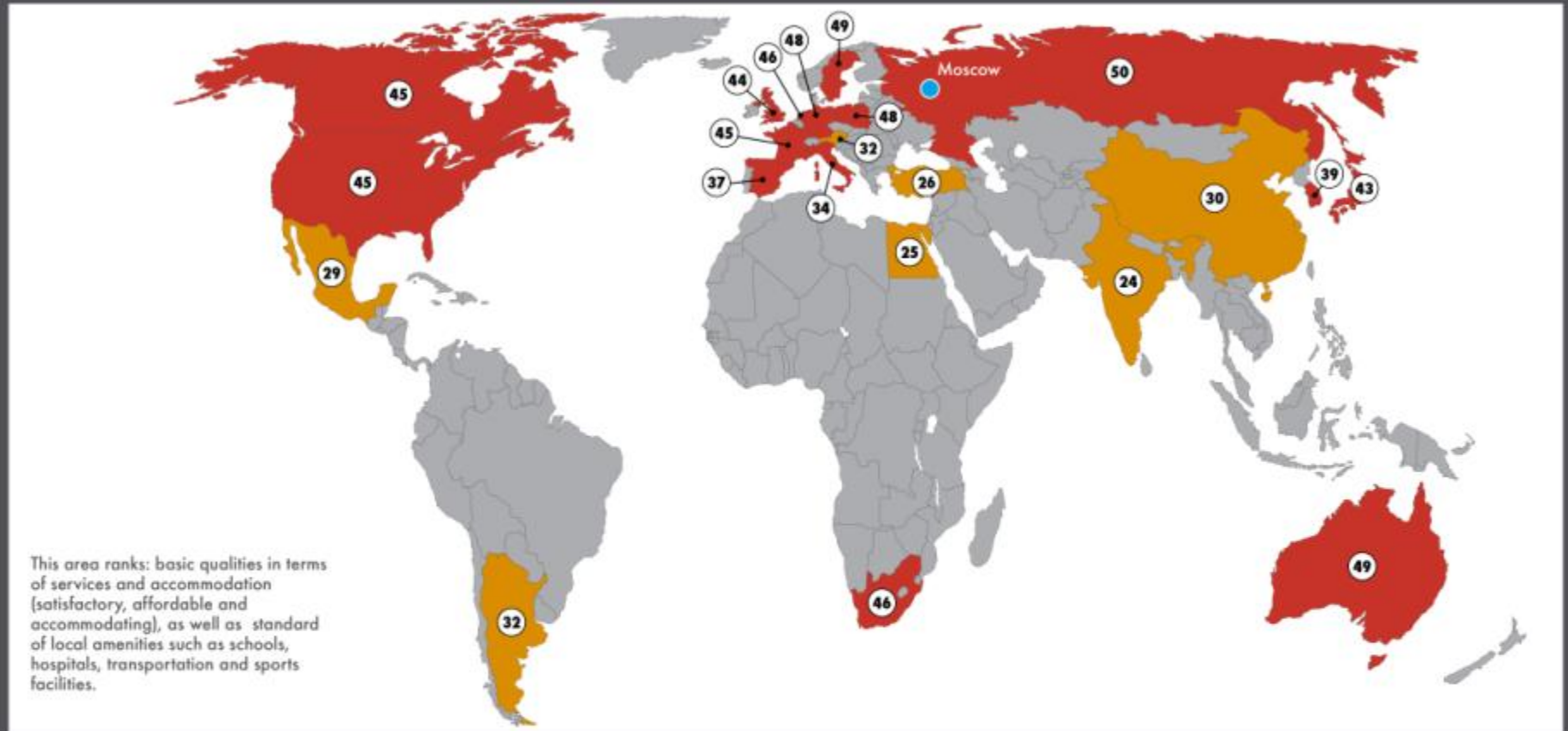


Average Ranking of **41**st out of **50**

Russians Ranking of Moscow is **48**th out of **50**

Services

- How countries around the world perceive Moscow's local and visitor services and accommodation



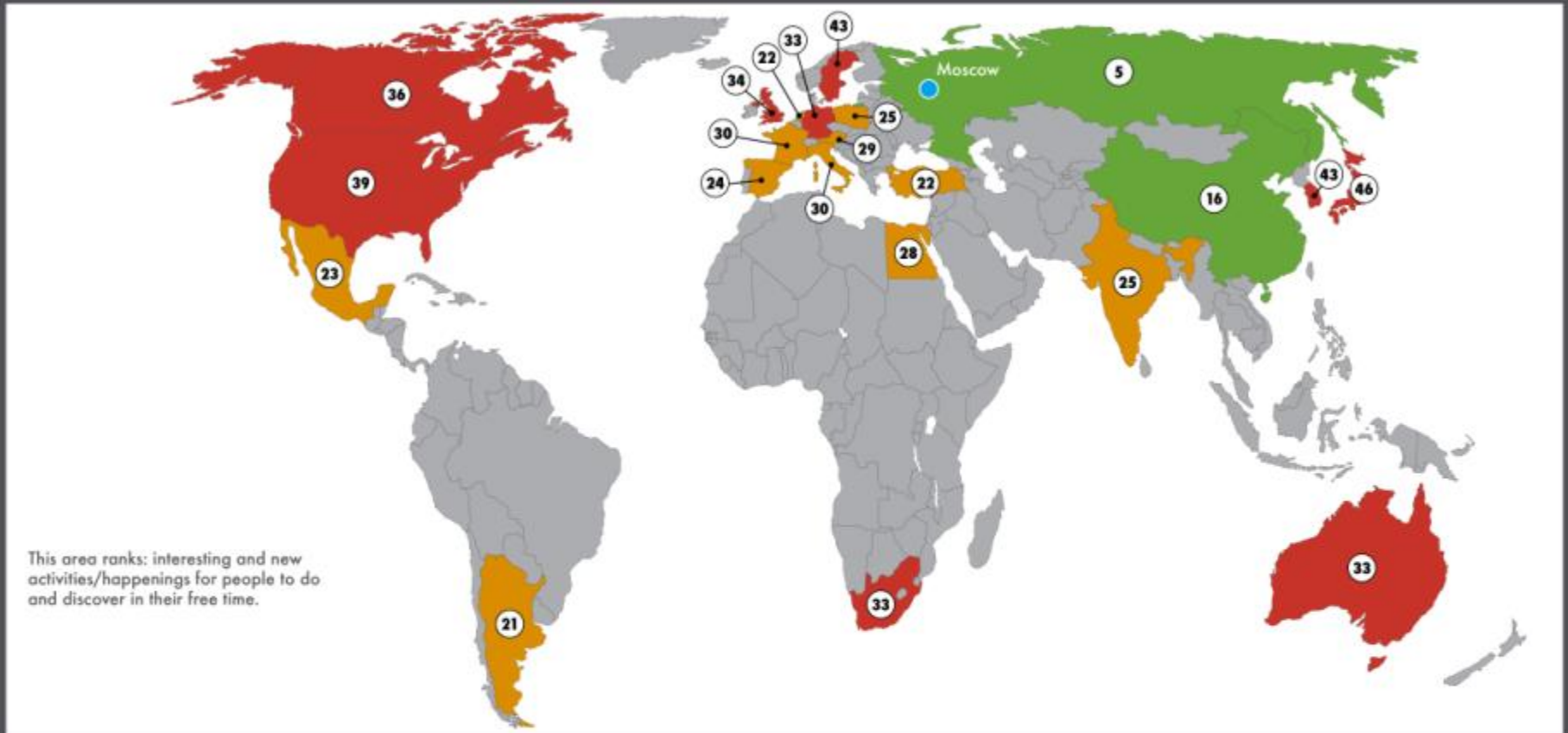
Average Ranking of **39**th out of **50**

Russians Ranking of Moscow is **50**th out of **50**



Vitality

- How countries around the world perceive Moscow's liveliness



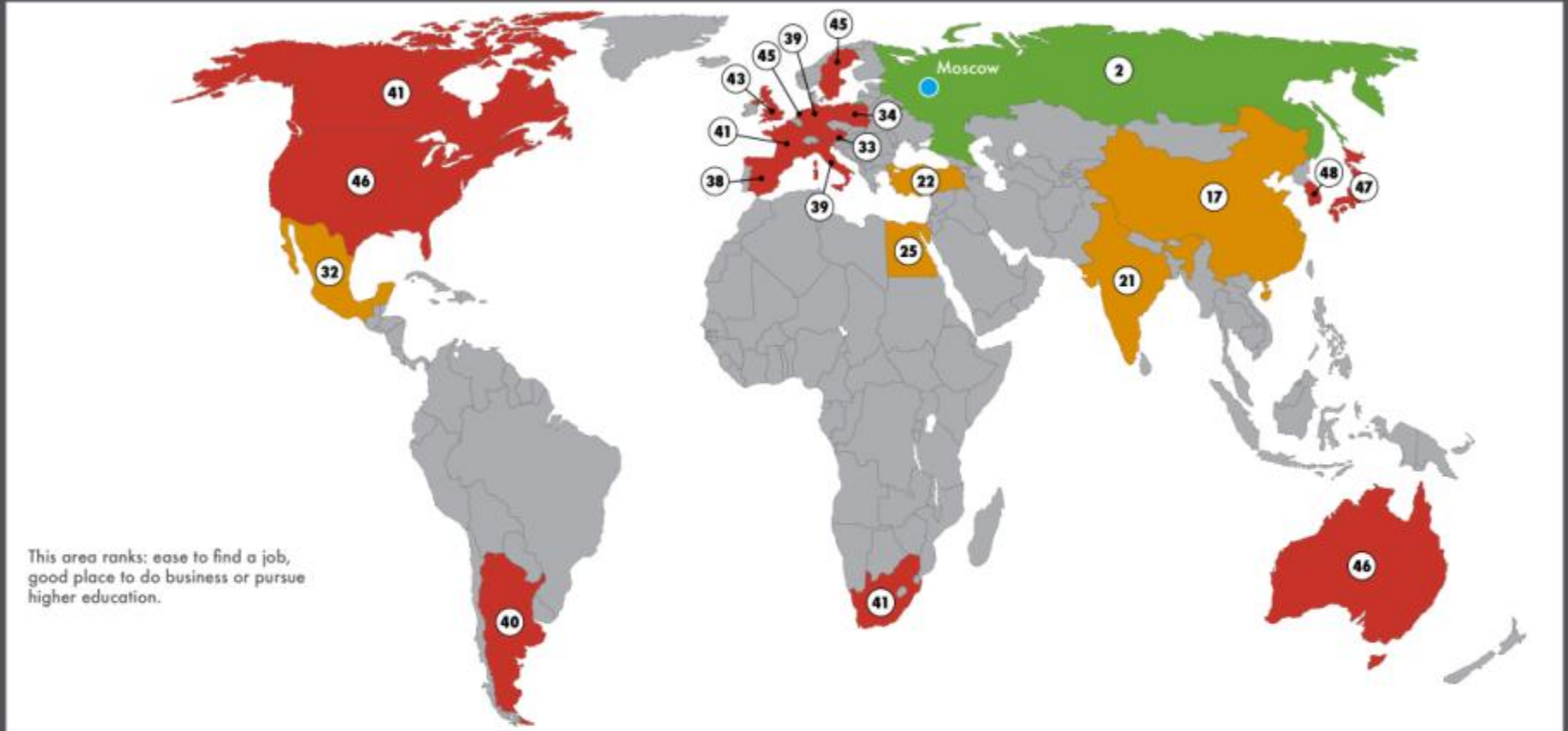
Average Ranking of **29th** out of **50**

Russians Ranking of Moscow is **5th** out of **50**



Potential

- How countries around the world perceive the economic and educational possibilities made available in Moscow

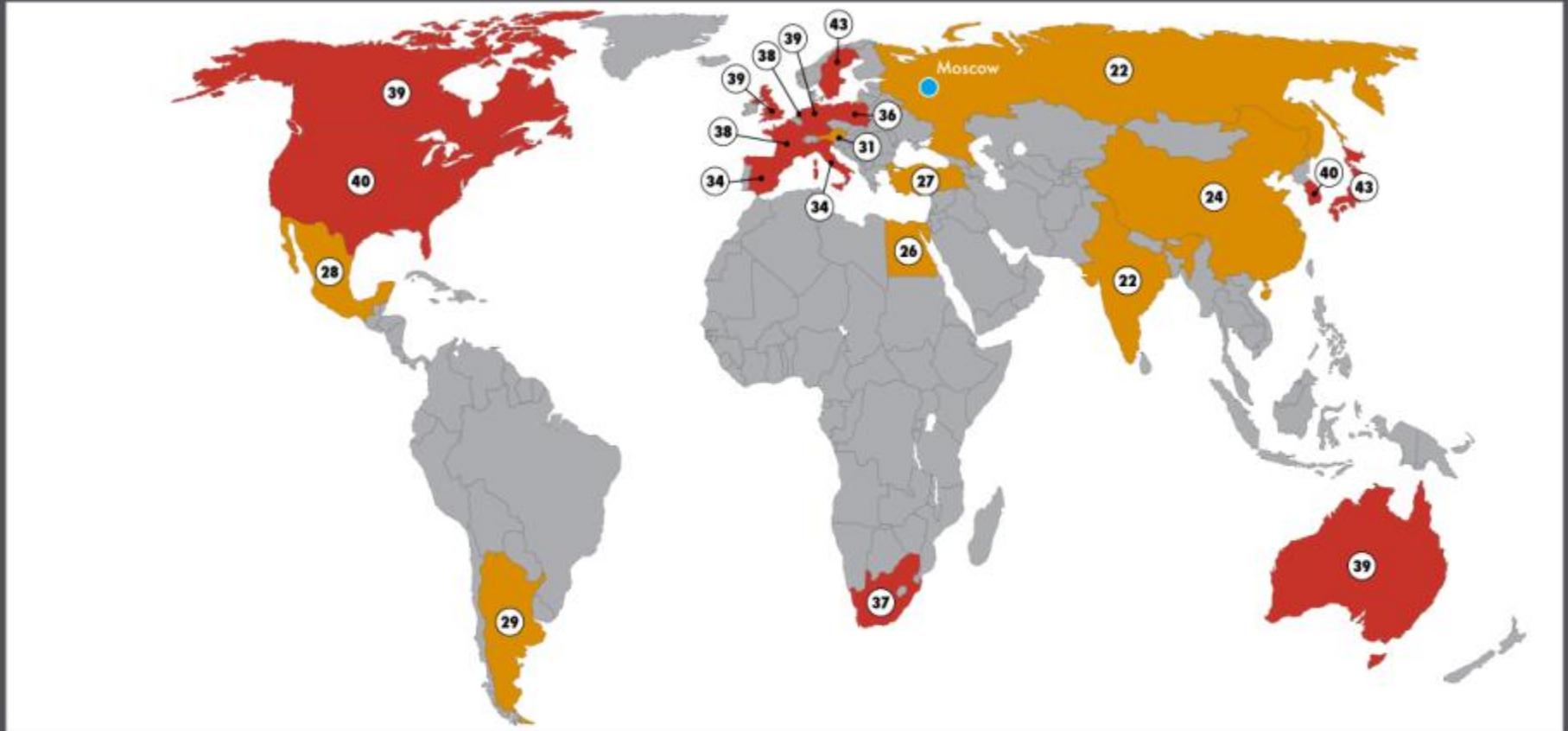


Average Ranking of **36th** out of **50**

Russians Ranking of Moscow is **2nd** out of **50**

Overall

- Average score for perception of Moscow across all 22 countries and the index's six key areas






















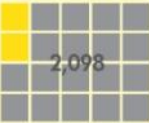

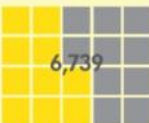

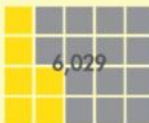
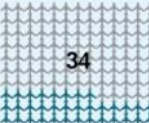
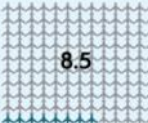
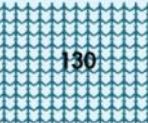
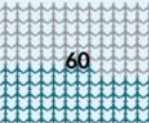
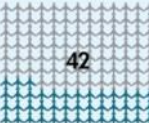

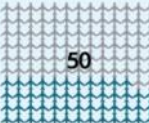
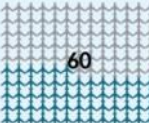
















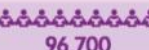



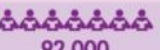



Overall Average Ranking of **34th** out of **50**

Russians Overall Ranking of Moscow is **22nd** out of **50**

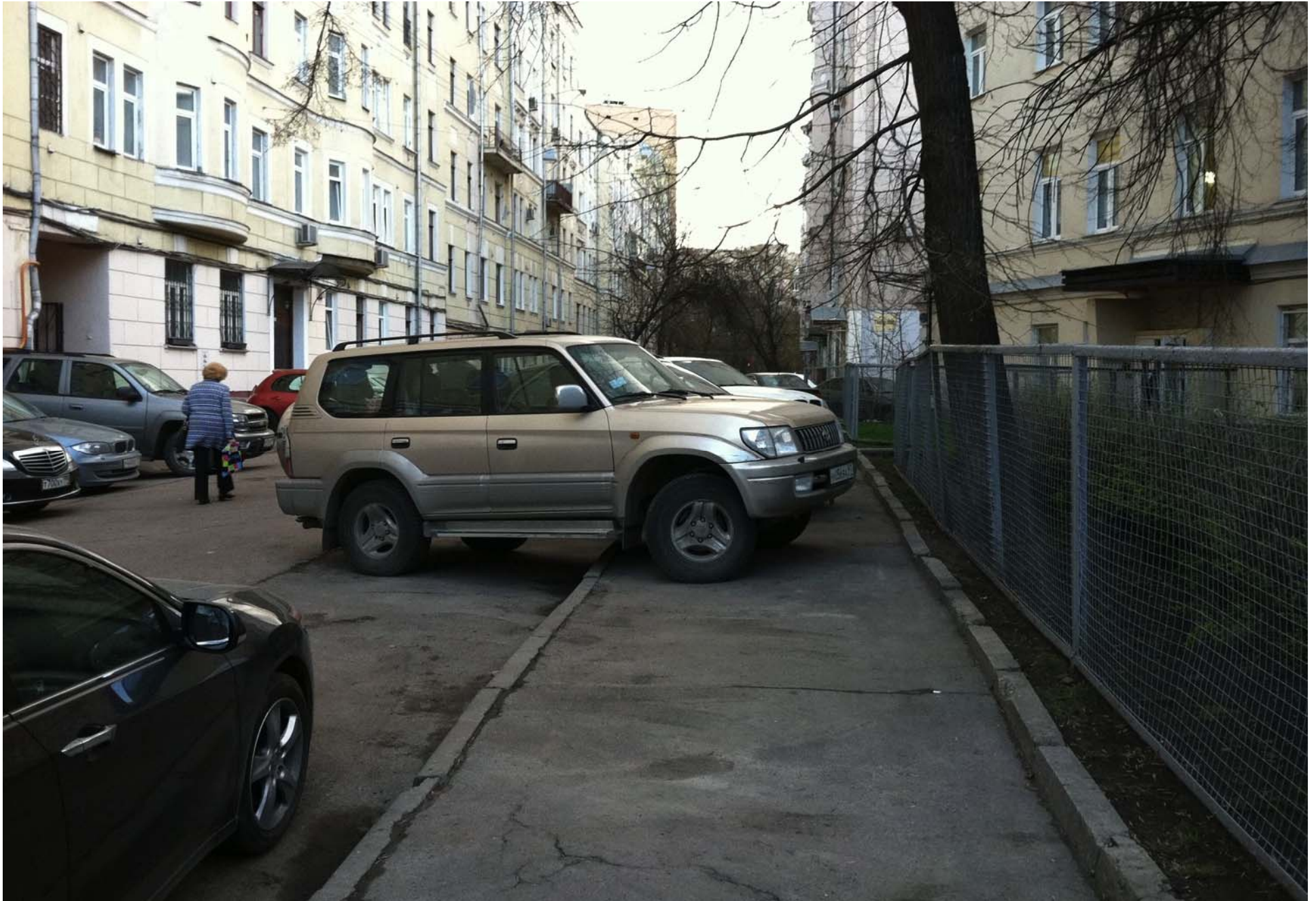




WORLD CITIES

	MOSCOW	ST PETERSBURG	LONDON	PARIS	WASHINGTON D.C	NEW YORK	HONG KONG	TOKYO
Population (millions)	 11,510,097	 4,879,566	 8,278,251	 2,211,297	 617,996	 8,175,133	 7,061,200	 13,185,502
Area (sqkm)	 1,091 km2	 1,439 km2	 1,570 km2	 105 km2	 176 km2	 1,213 km2	 1,104 km2	 2,187 km2
Population density (per sqkm)	 10,550	 3,390	 5,272	 2,098	 3,886	 6,739	 6,396	 6,029
Total passengers through airports (millions)	 34	 8.5	 130	 60	 42	 99	 50	 60
Homicides (per 100,000 PA)	 15	 15	 1.17	 1.09	 5	 5	 1.12	 0.4
Top World Universities (World University Rankings, top 400)								
Student numbers	 96,700	 32,000	 361,000	 600,527	 92,000	 594,000	 301,200	 650,000





Transportation solutions



И. Репин
1892 г.





3 REALITIES:

Urban Overload



Middle Class Flight



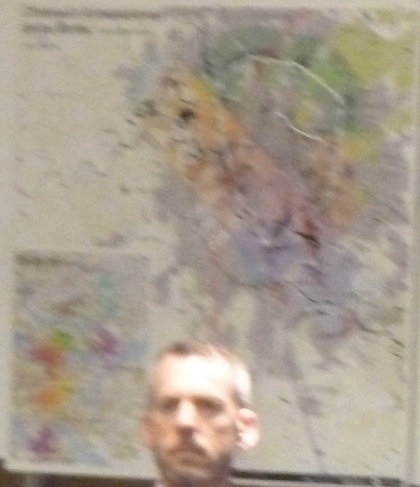
Urban Sprawl







ООО «АРХИТЕКТУРНОЕ БЮРО «АЙСТОДЕНВА»
МОСКВА, РОССИЯ
ARCHITECTURAL OFFICE «AISTODENVA»
MOSCOW, RUSSIA



«АРХИТЕКТУРНО-ПРОЕКТИРОВАТЕЛЬСКИЙ
ИНСТИТУТ НАУКИ И ТЕХНИКИ» И. П. МОСКВА, РОССИЯ
«АРХИТЕКТУРНИКИ»



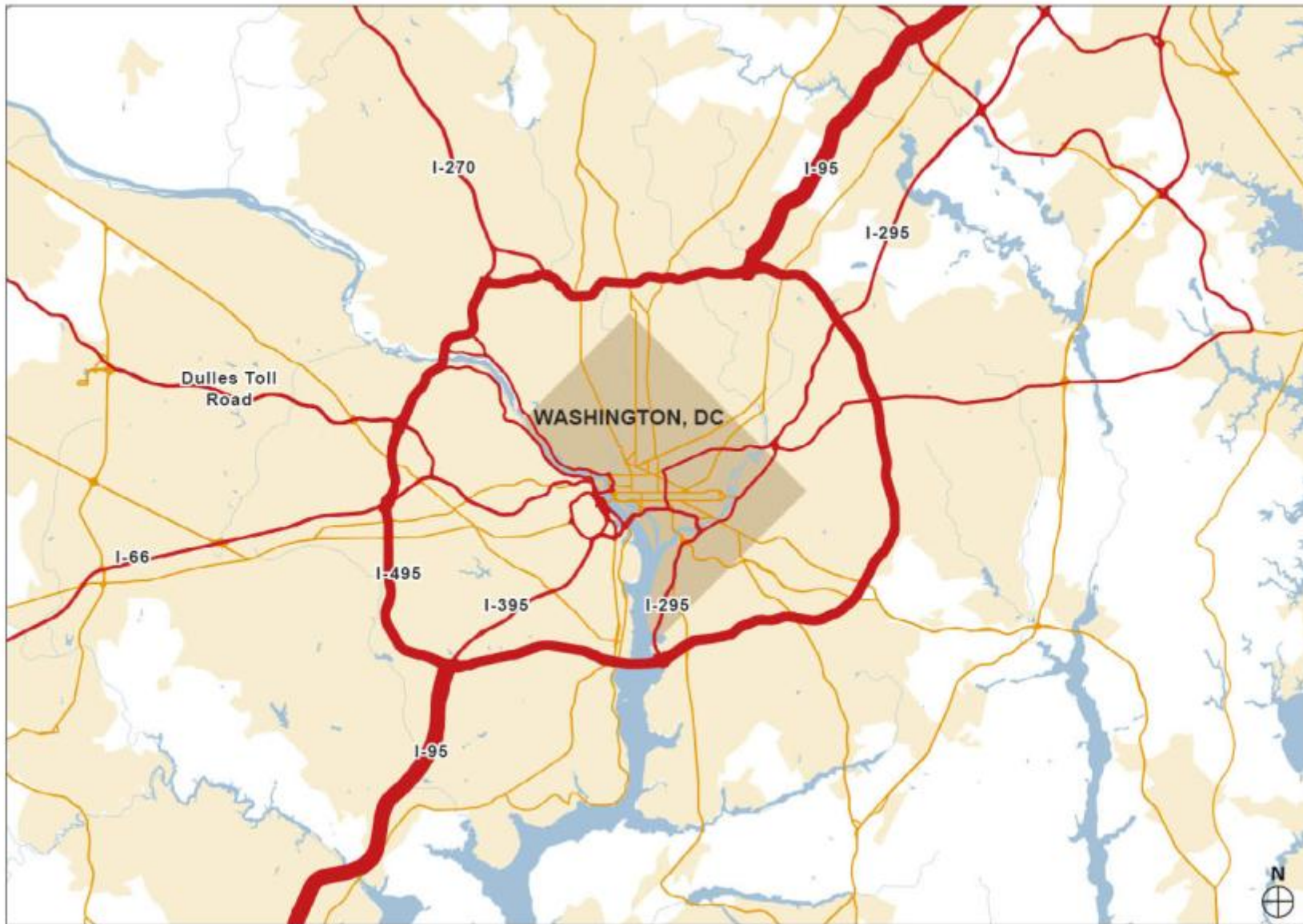
ЦЕНТРАЛЬНЫЙ НАУЧНО-ПРОЕКТИРОВАТЕЛЬСКИЙ ИНСТИТУТ
МОСКВА, РОССИЯ
CENTRAL RESEARCH AND DEVELOPMENT INSTITUTE
FOR DESIGN PLANNING OF RUSSIAN ACADEMY OF ARCHITECTURE
AND CONSTRUCTION SCIENCES, MOSCOW, RUSSIA



МАТКОМЕ/ТИМБЕЛТ
ТОРПАК, ШВЕЙЦАРИЯ
MATTHEW DRUMBACH ET ASSOCIES
TRUSS, TEXAS

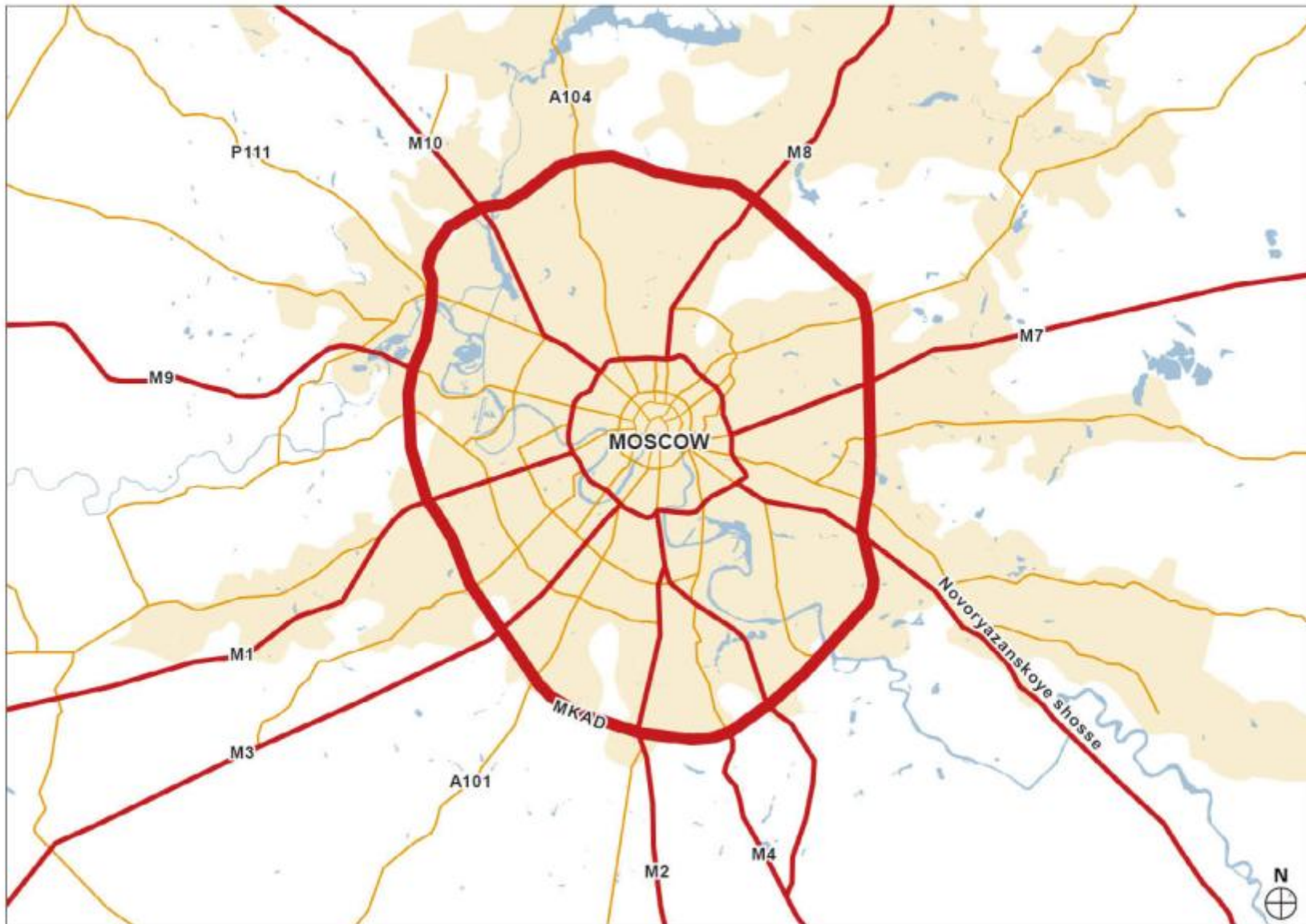






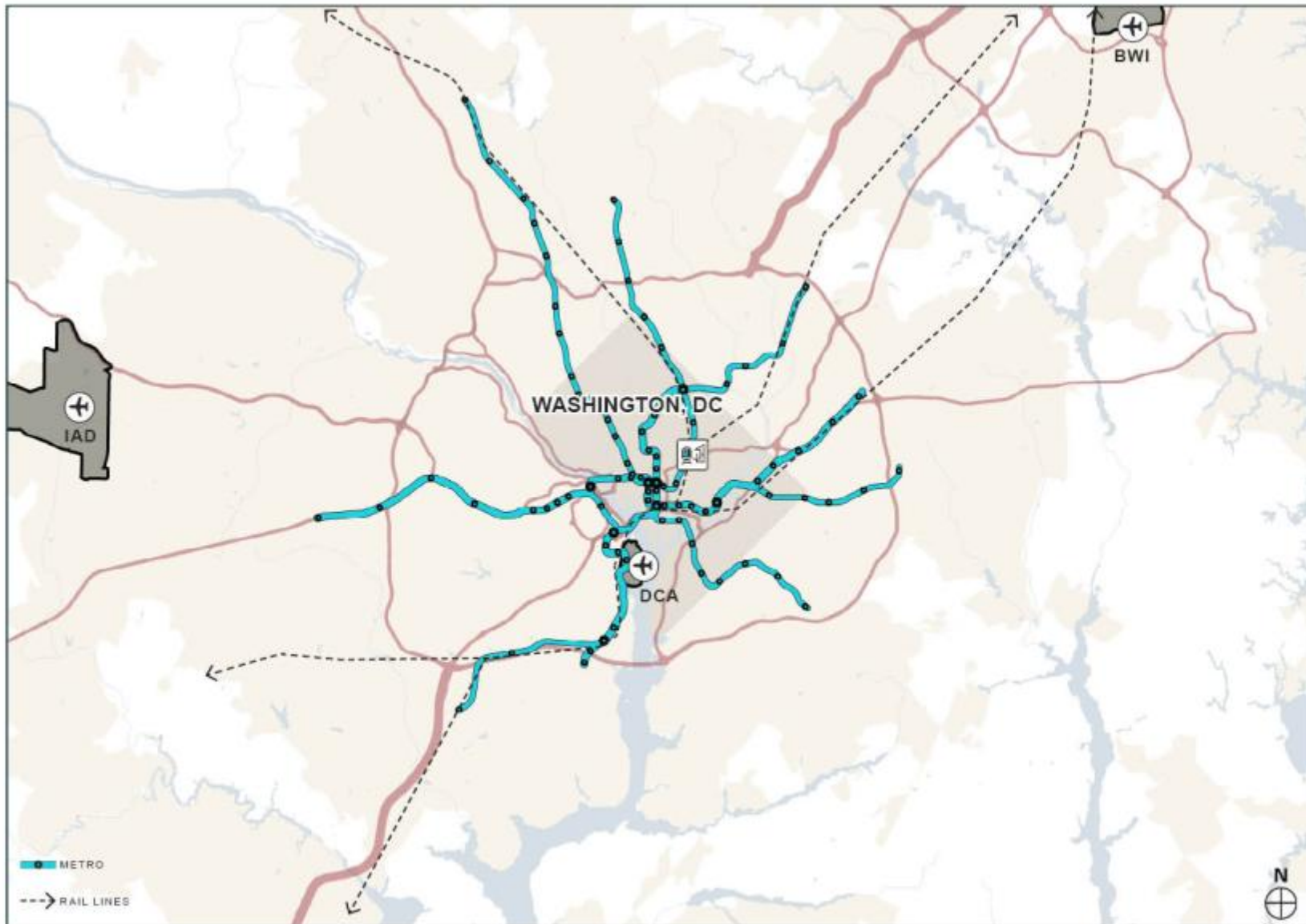
WASHINGTON, D.C.

Mobility: Primary Vehicular Routes



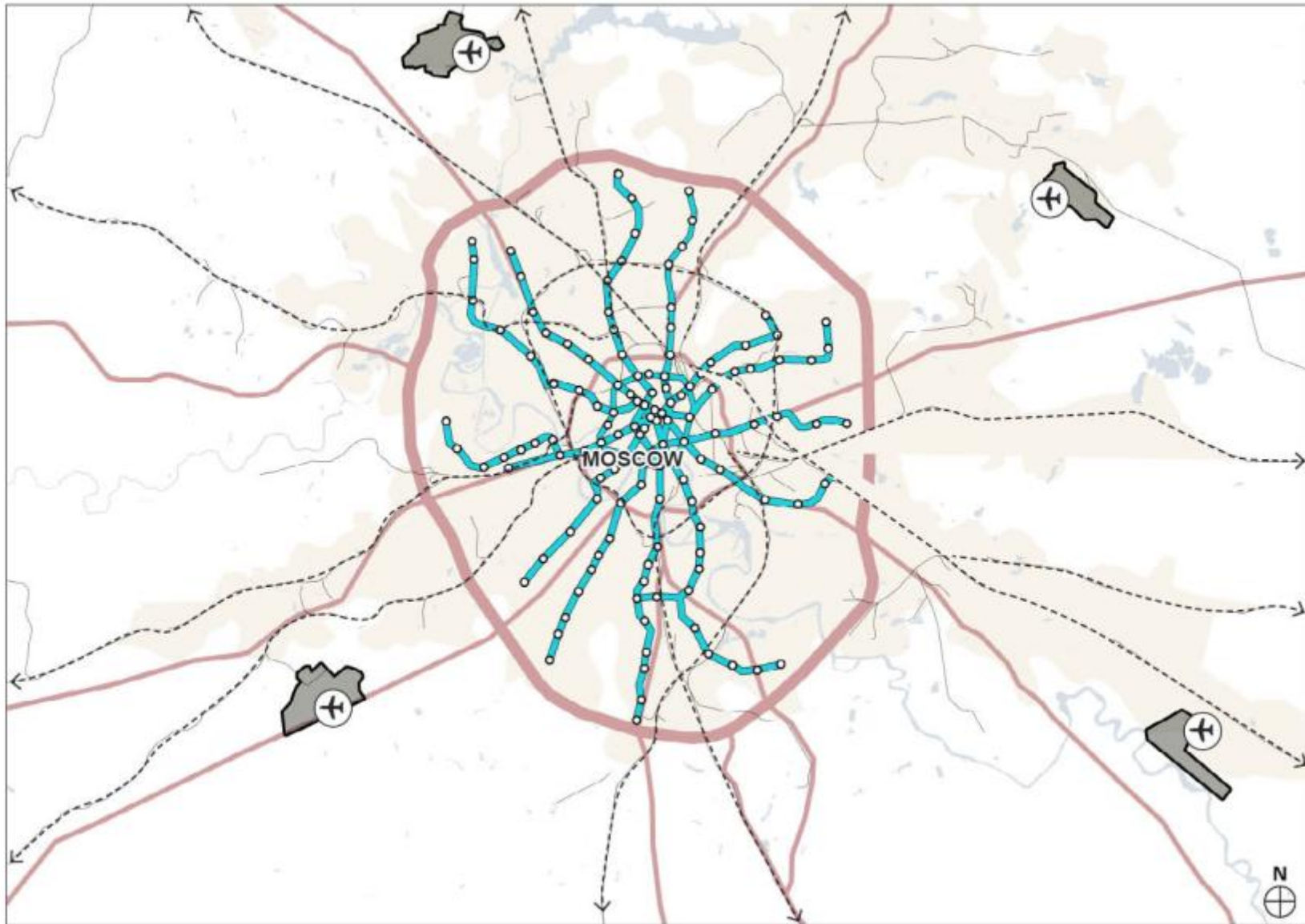
MOSCOW

Mobility: Primary Vehicular Routes



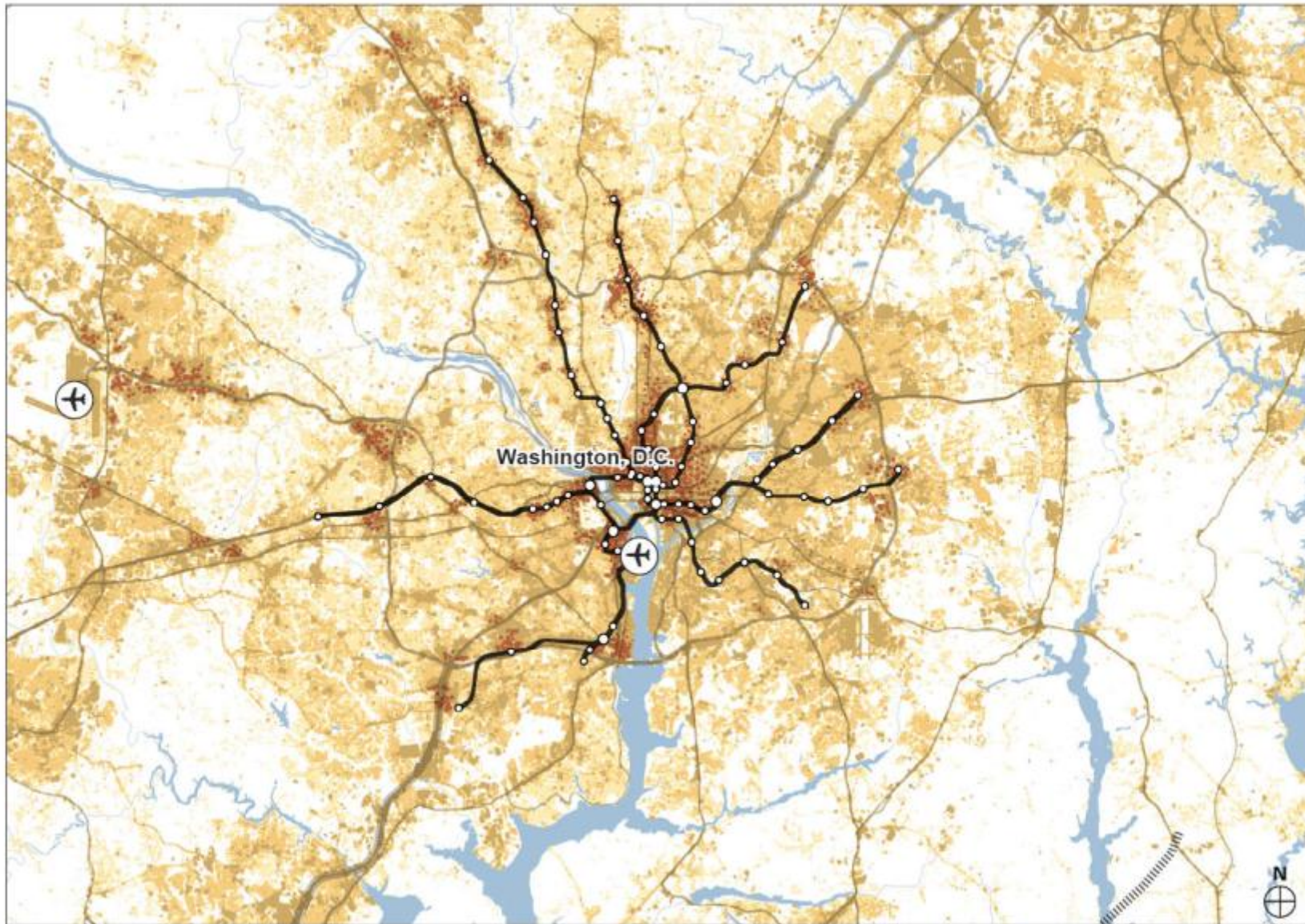
WASHINGTON, D.C.

Mobility: Metro supports development intensity



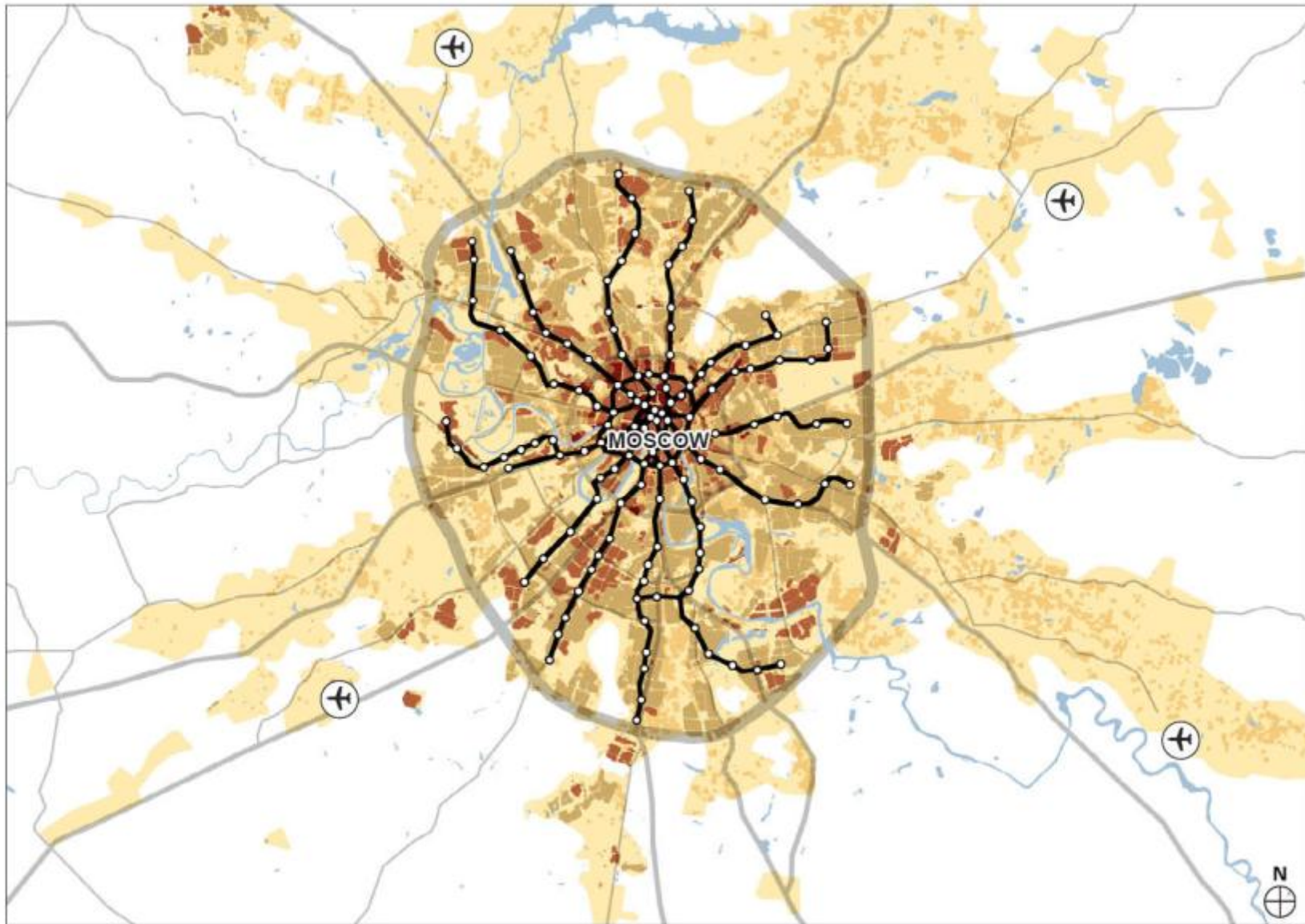
MOSCOW

Mobility: Metro supports development intensity



WASHINGTON, D.C.

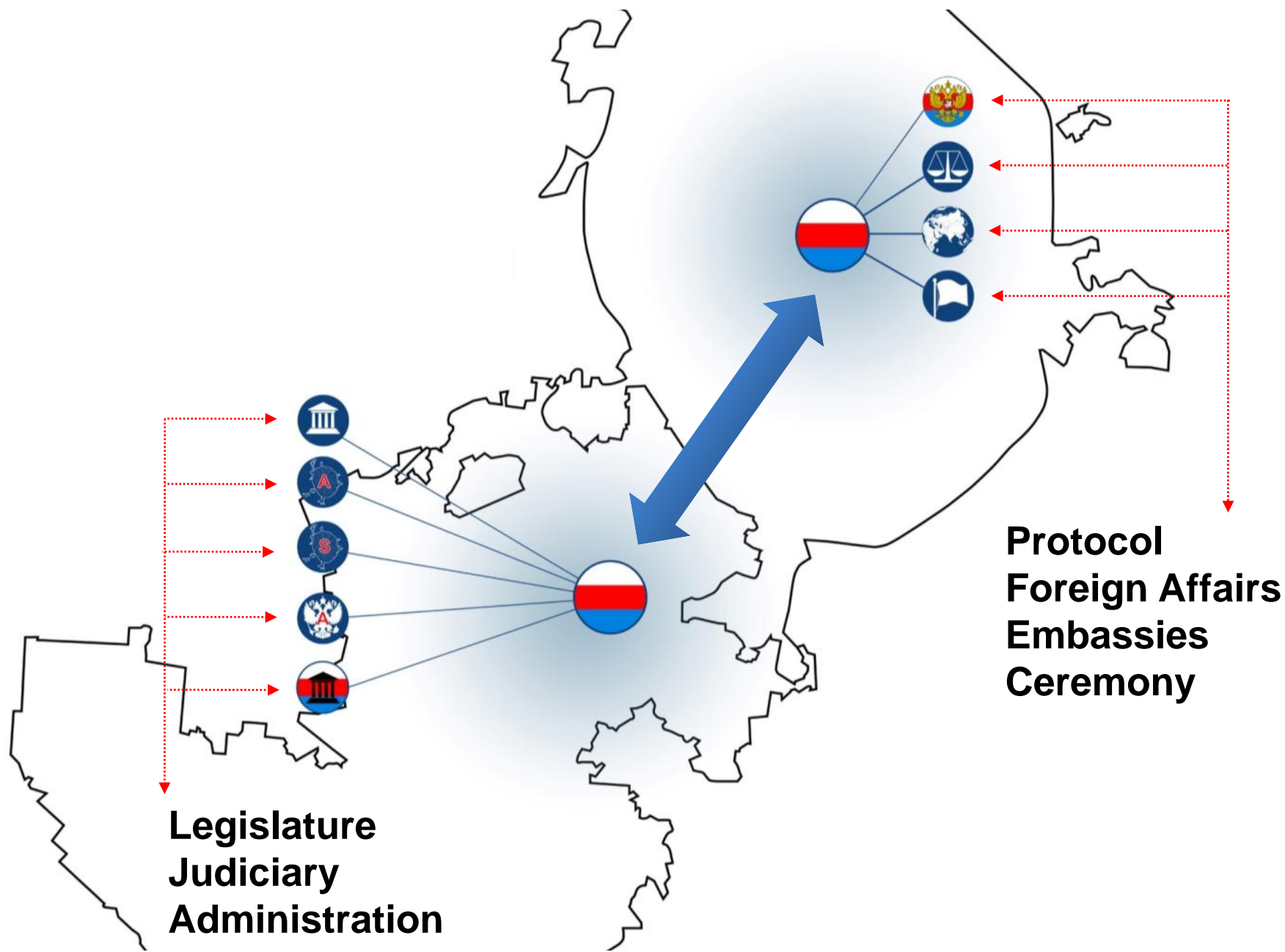
Mobility: Metro supports development intensity



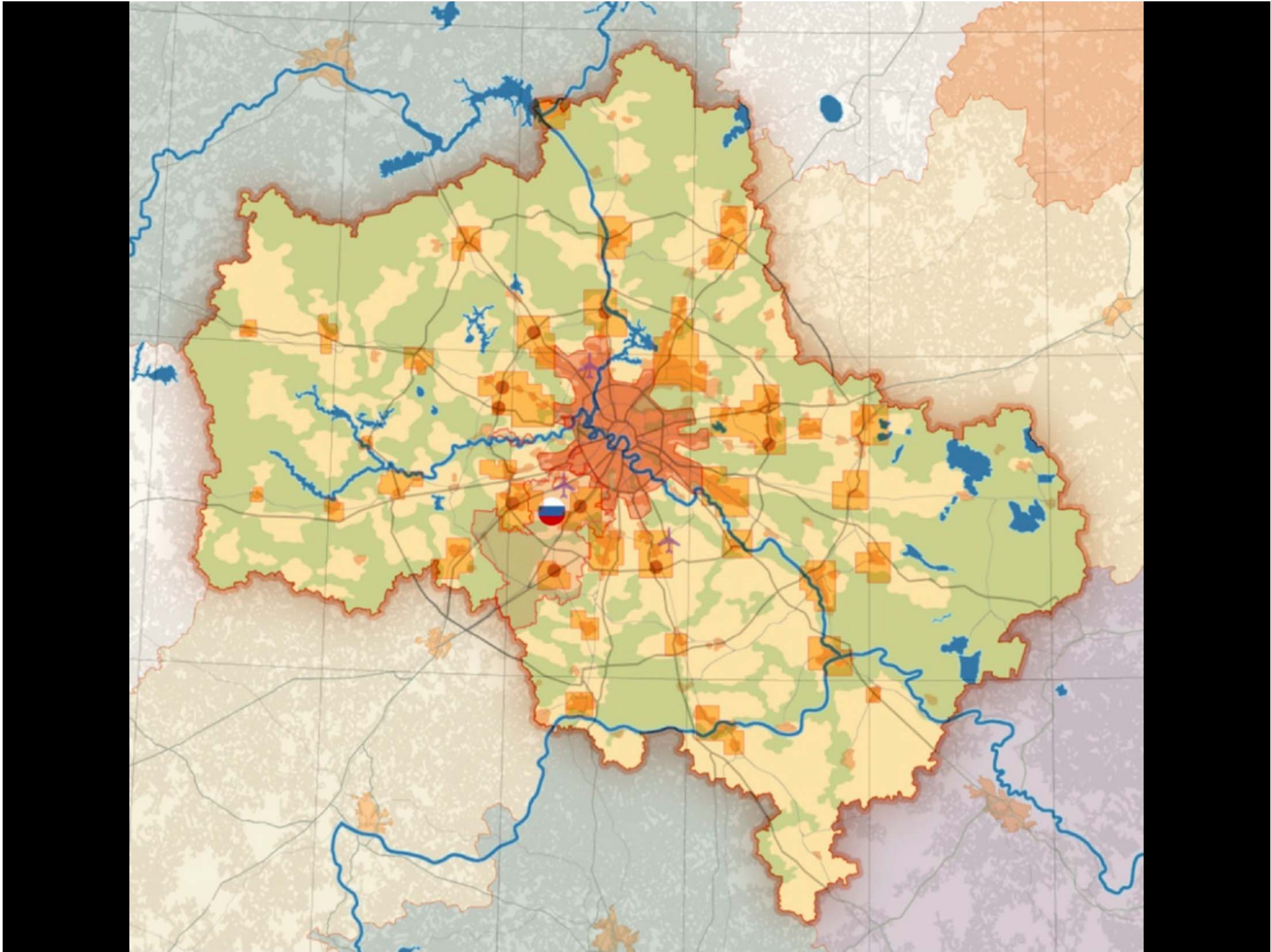
MOSCOW

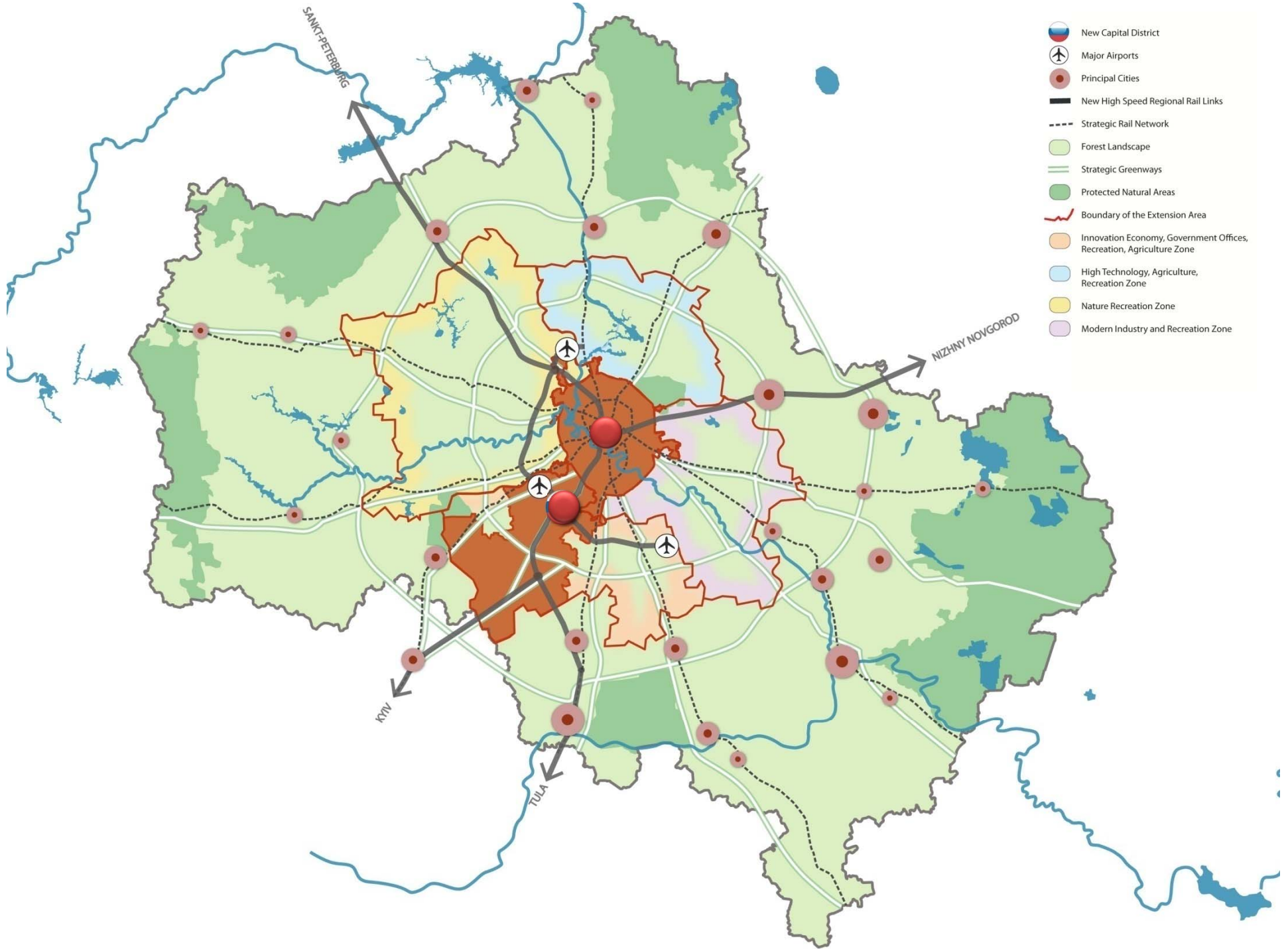
Rapid Transit and Development Intensity

Capital Cities Planning Group | Stage 1 Workshop









-  New Capital District
-  Major Airports
-  Principal Cities
-  New High Speed Regional Rail Links
-  Strategic Rail Network
-  Forest Landscape
-  Strategic Greenways
-  Protected Natural Areas
-  Boundary of the Extension Area
-  Innovation Economy, Government Offices, Recreation, Agriculture Zone
-  High Technology, Agriculture, Recreation Zone
-  Nature Recreation Zone
-  Modern Industry and Recreation Zone

One City: Dual Symmetrical Strategy

Один город; две истории

PLAN

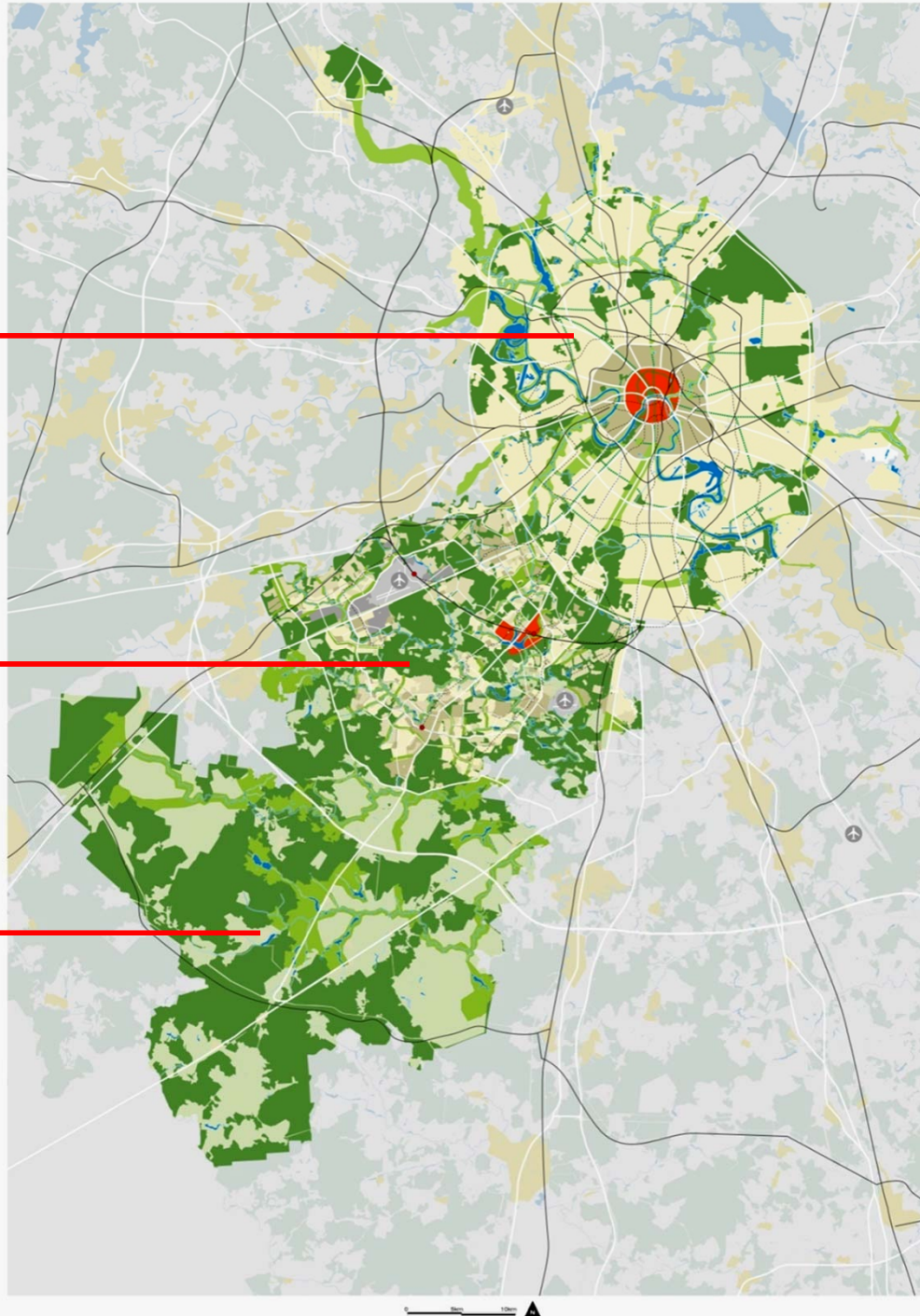


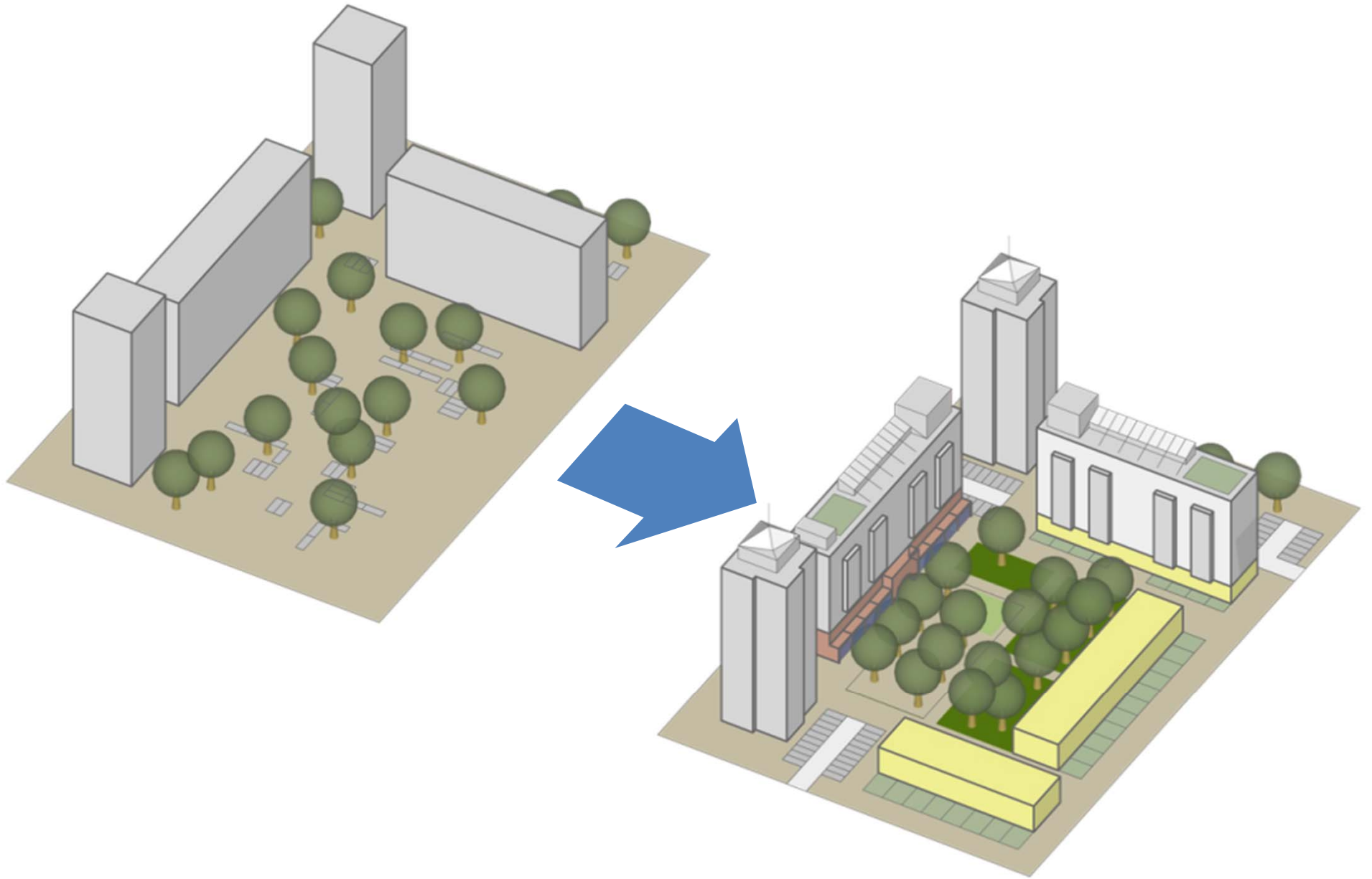
PROCESS

REGENERATE

DEVELOP

CONSERVE

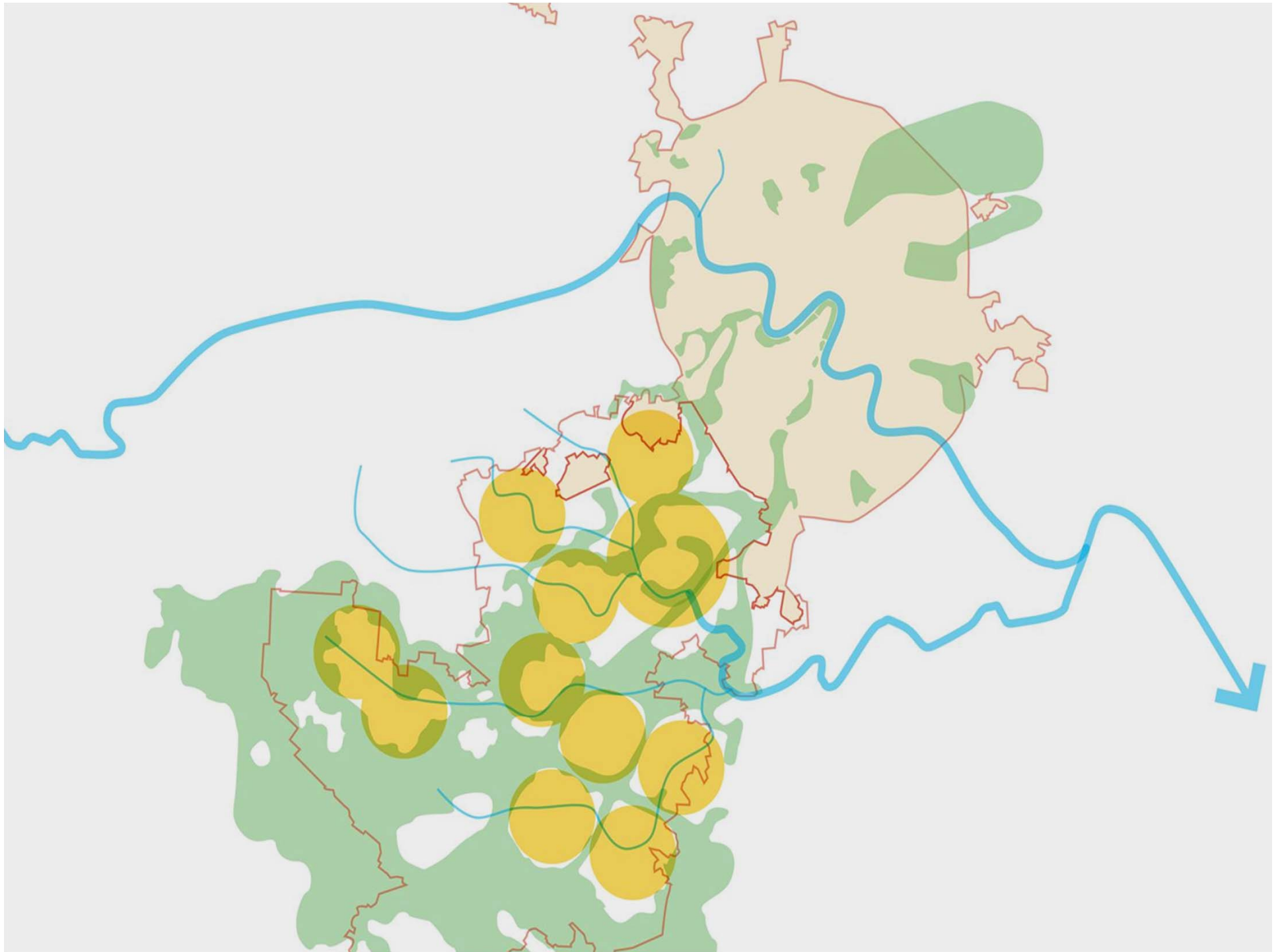


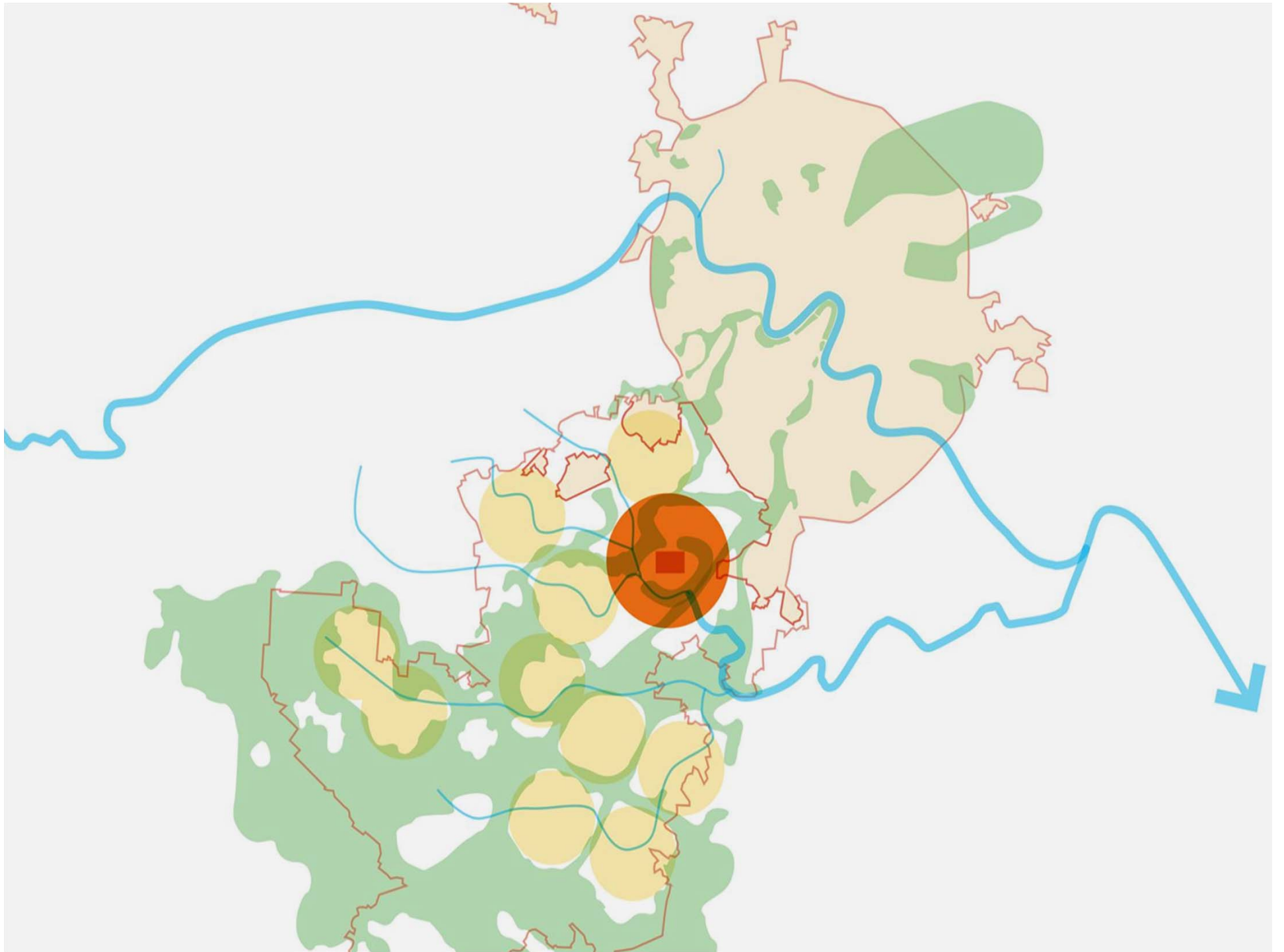


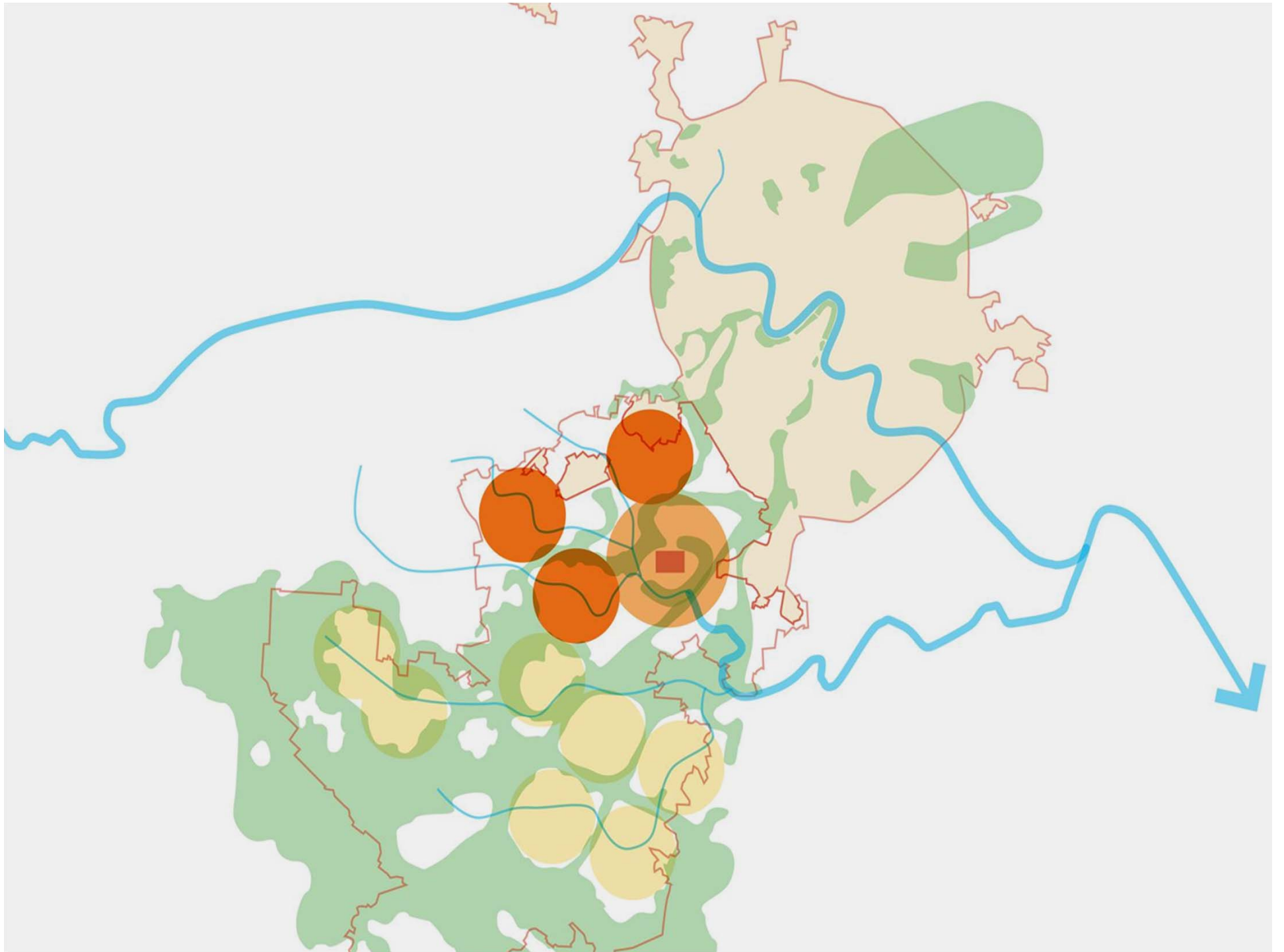


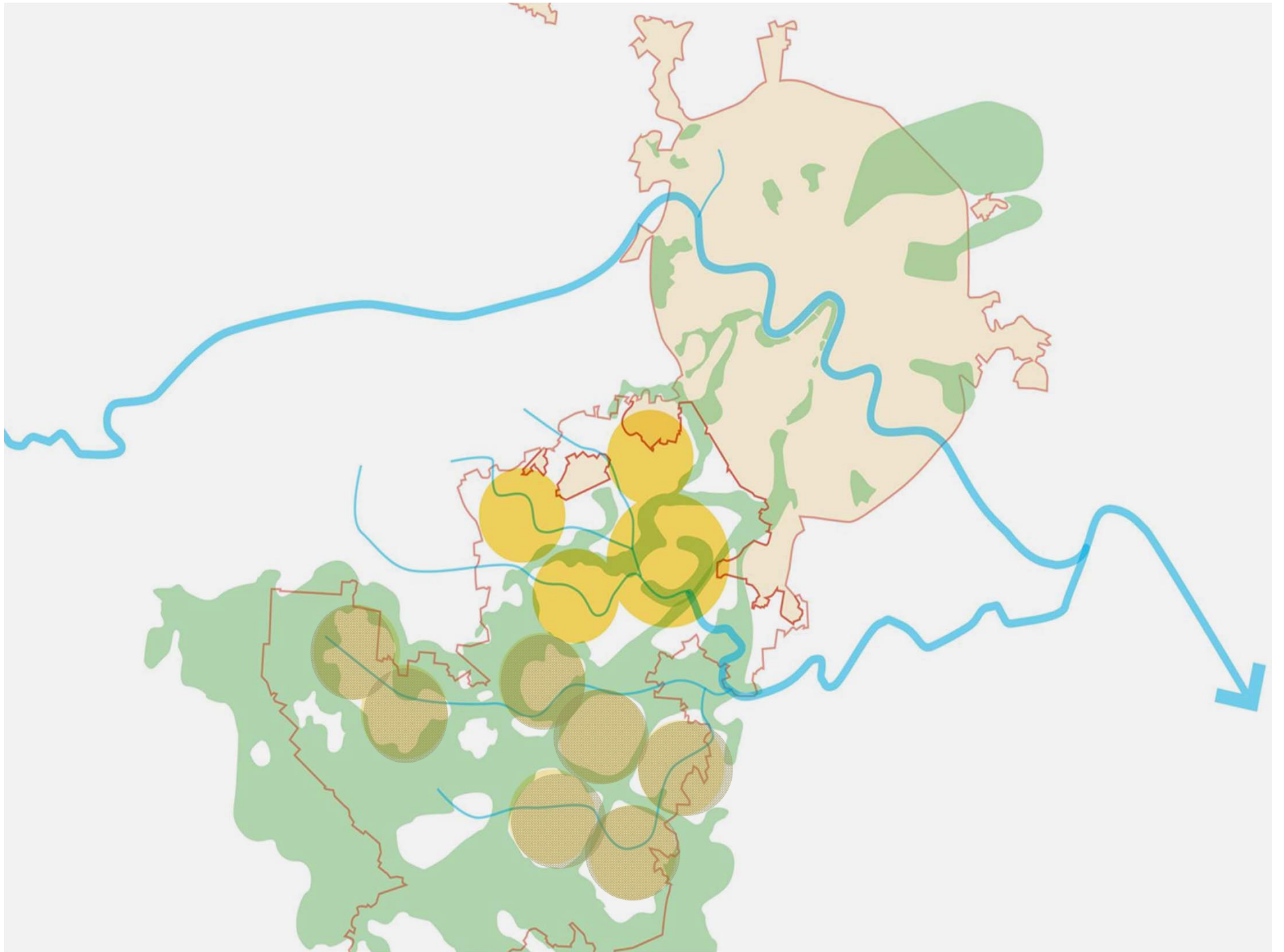
NEW MOSCOW







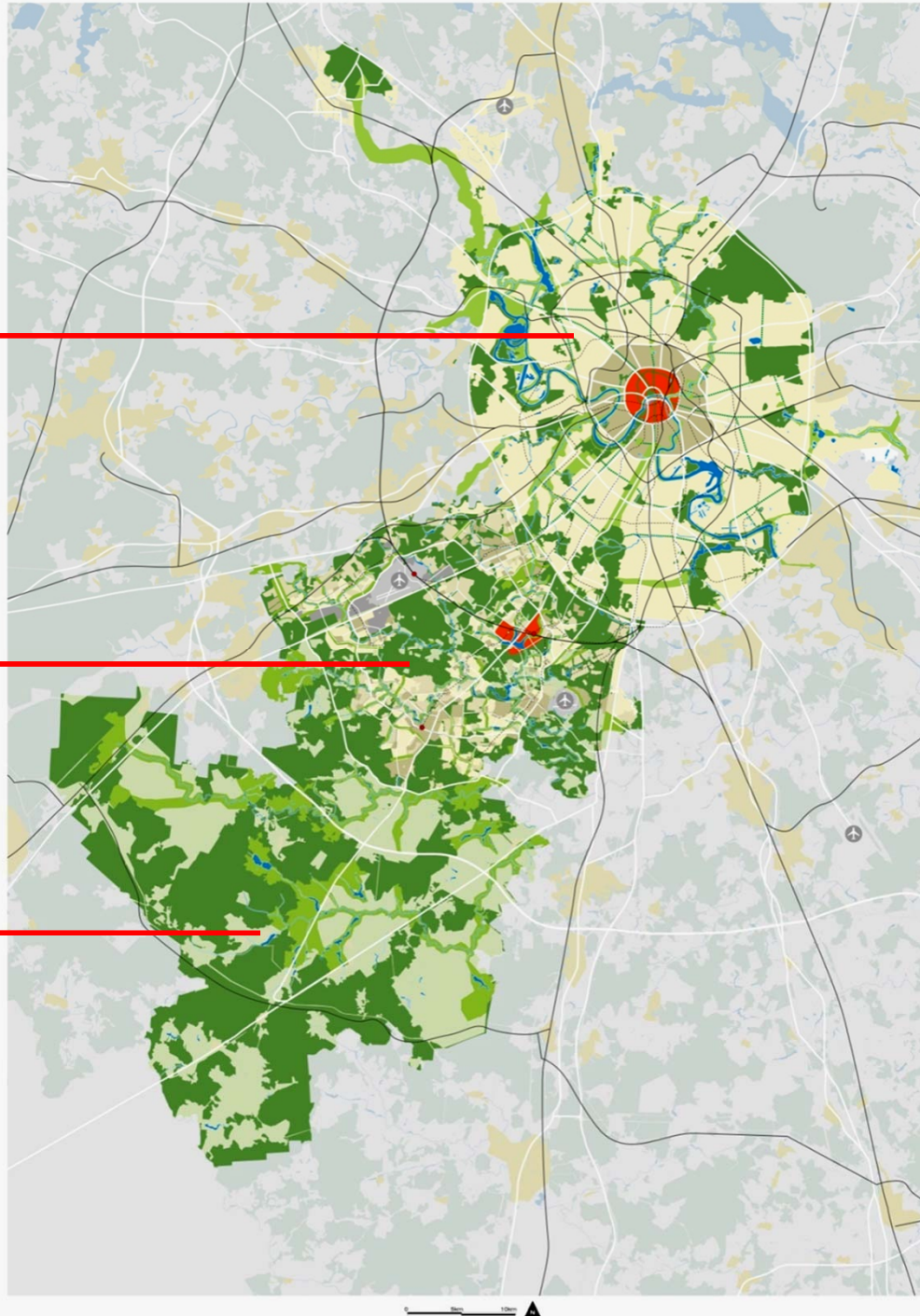




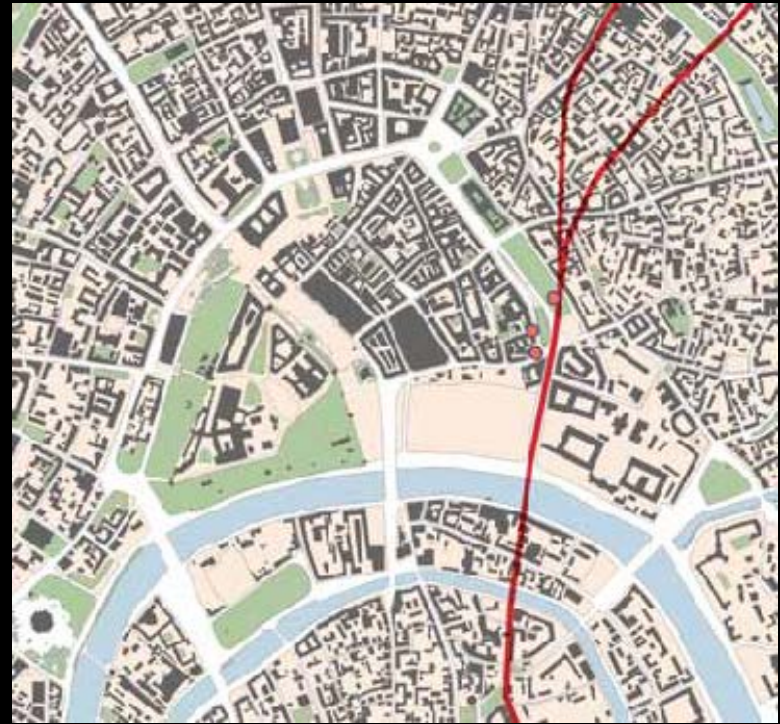
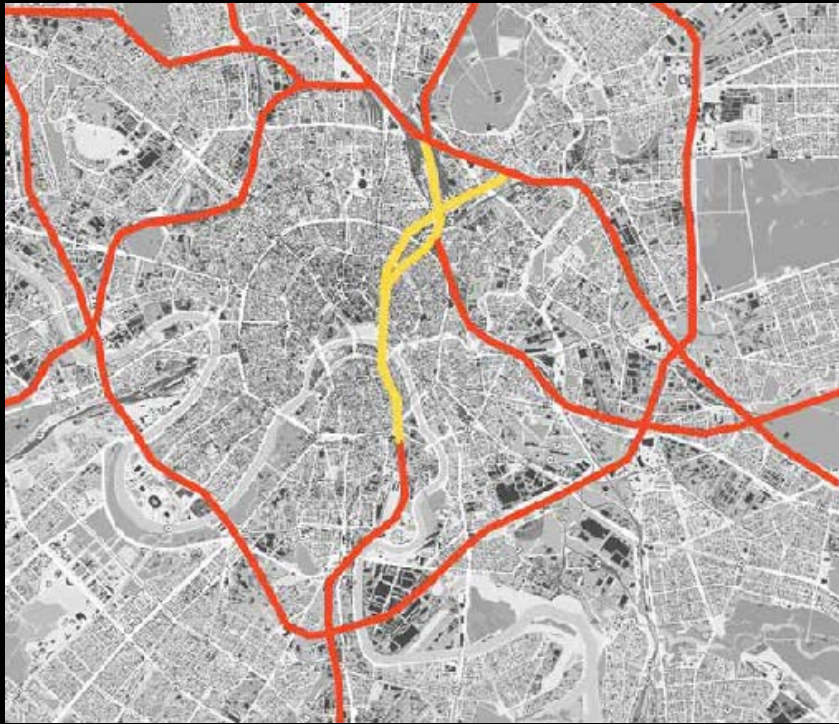
REGENERATE

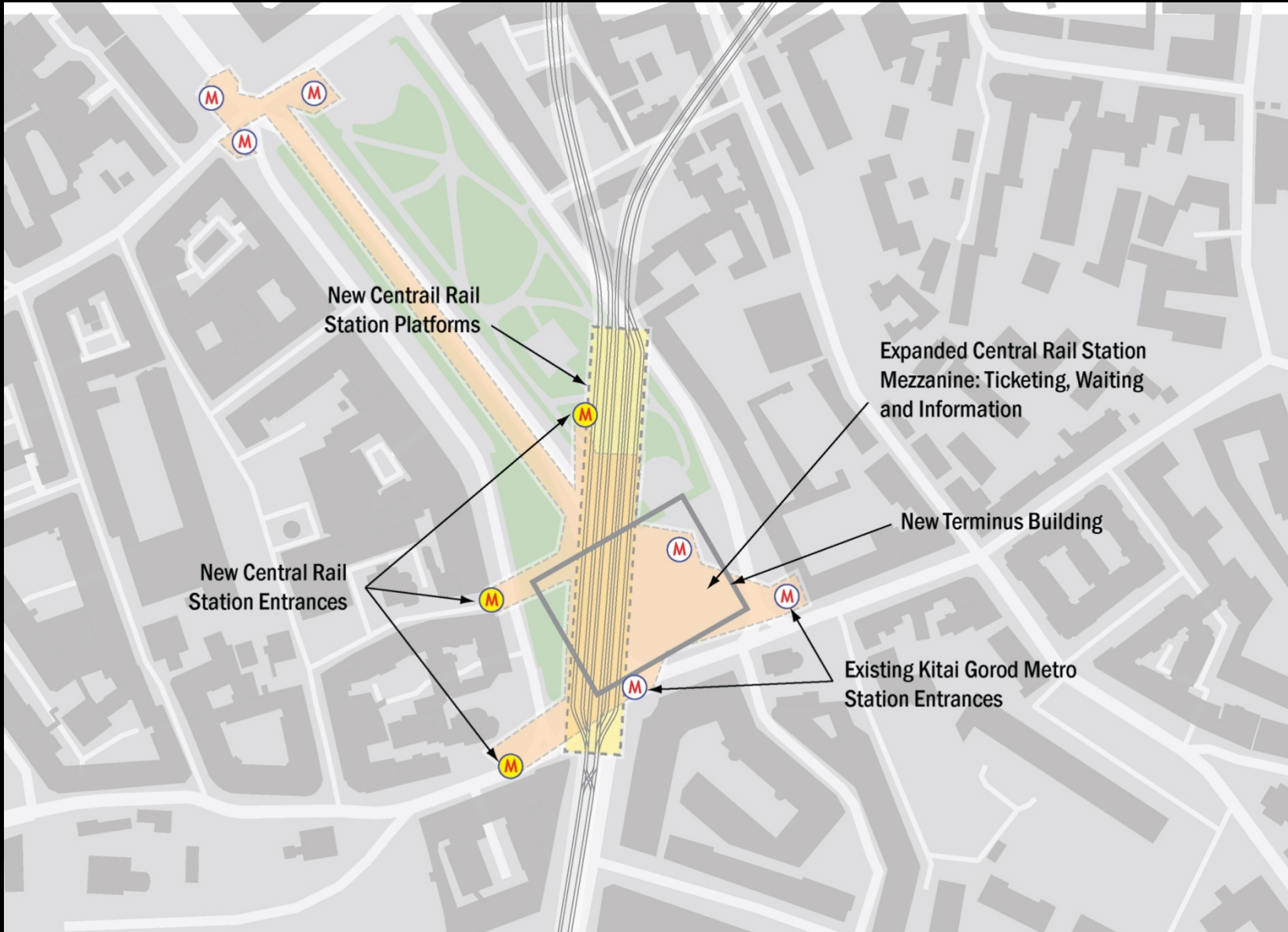
DEVELOP

CONSERVE









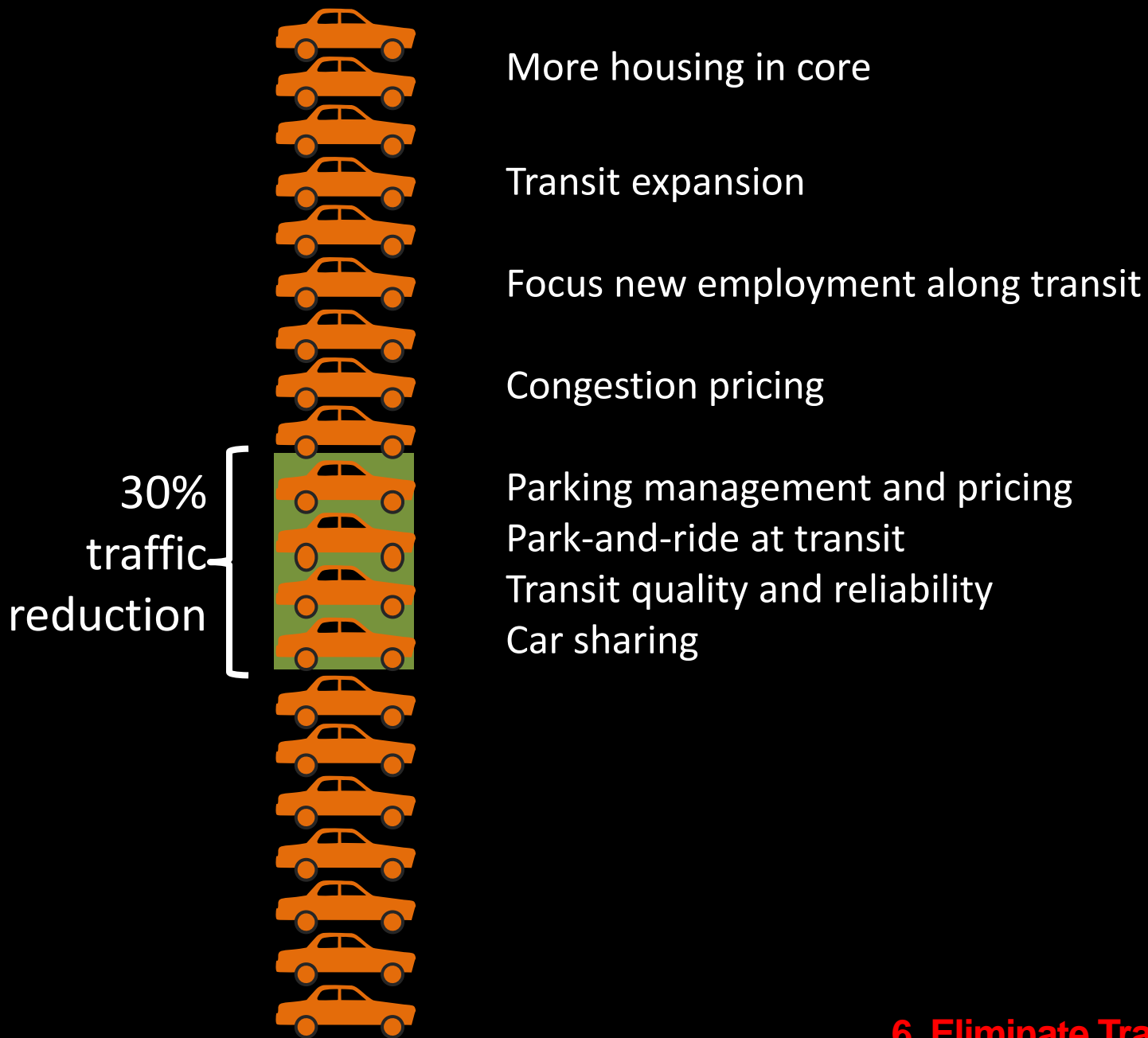


Increased population

Increased vehicle ownership

Existing traffic

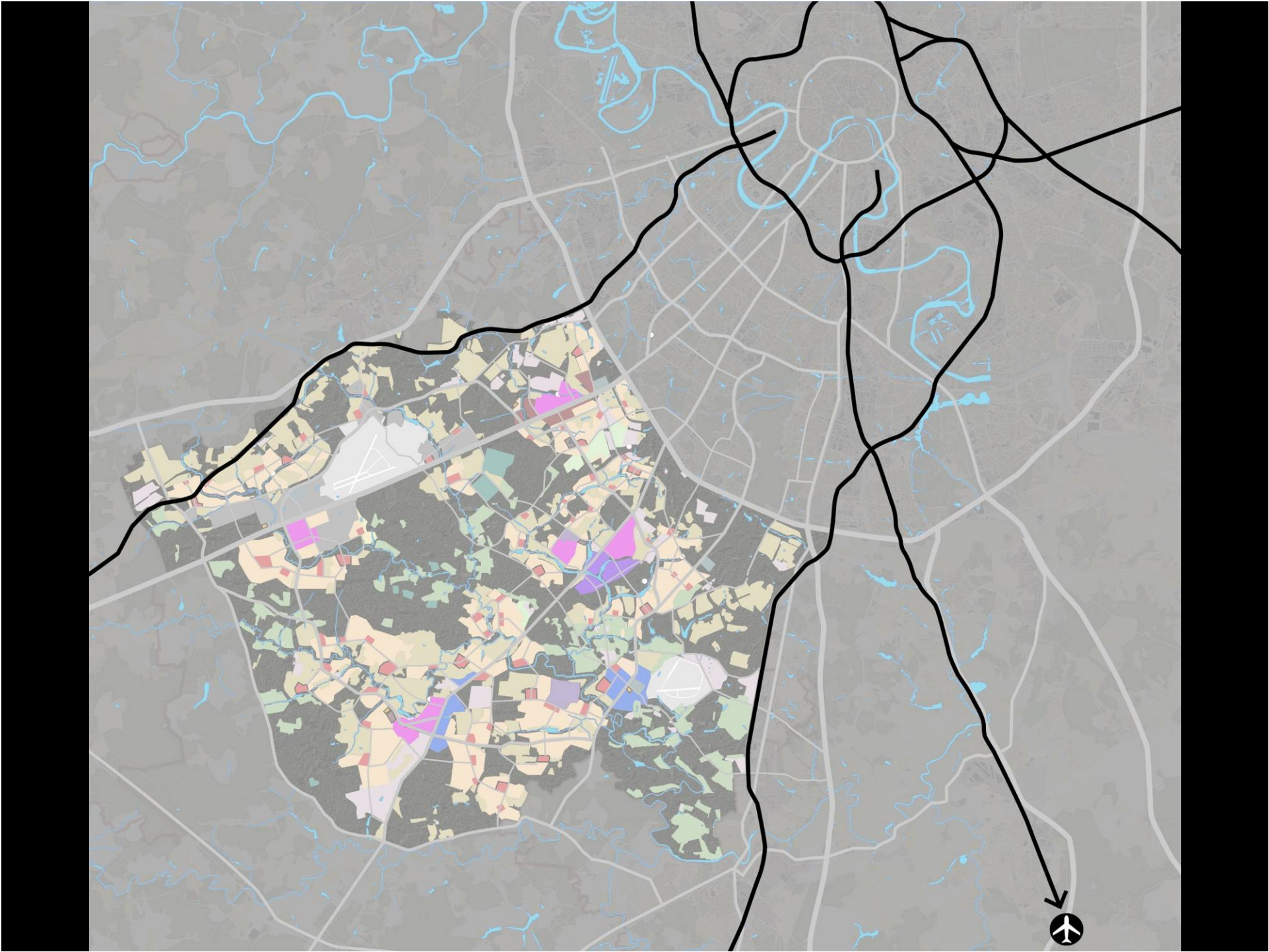
6. Eliminate Traffic Congestion

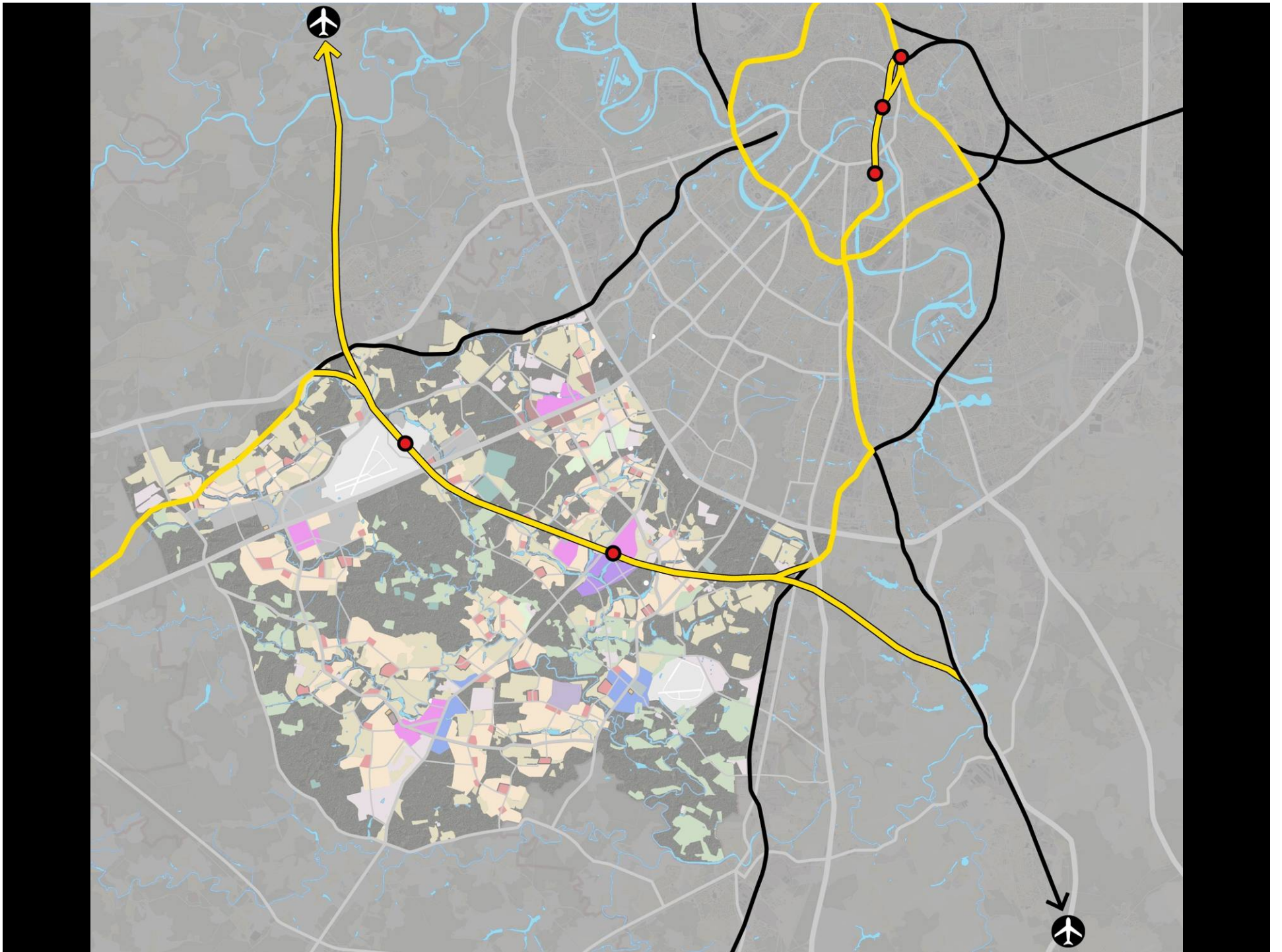


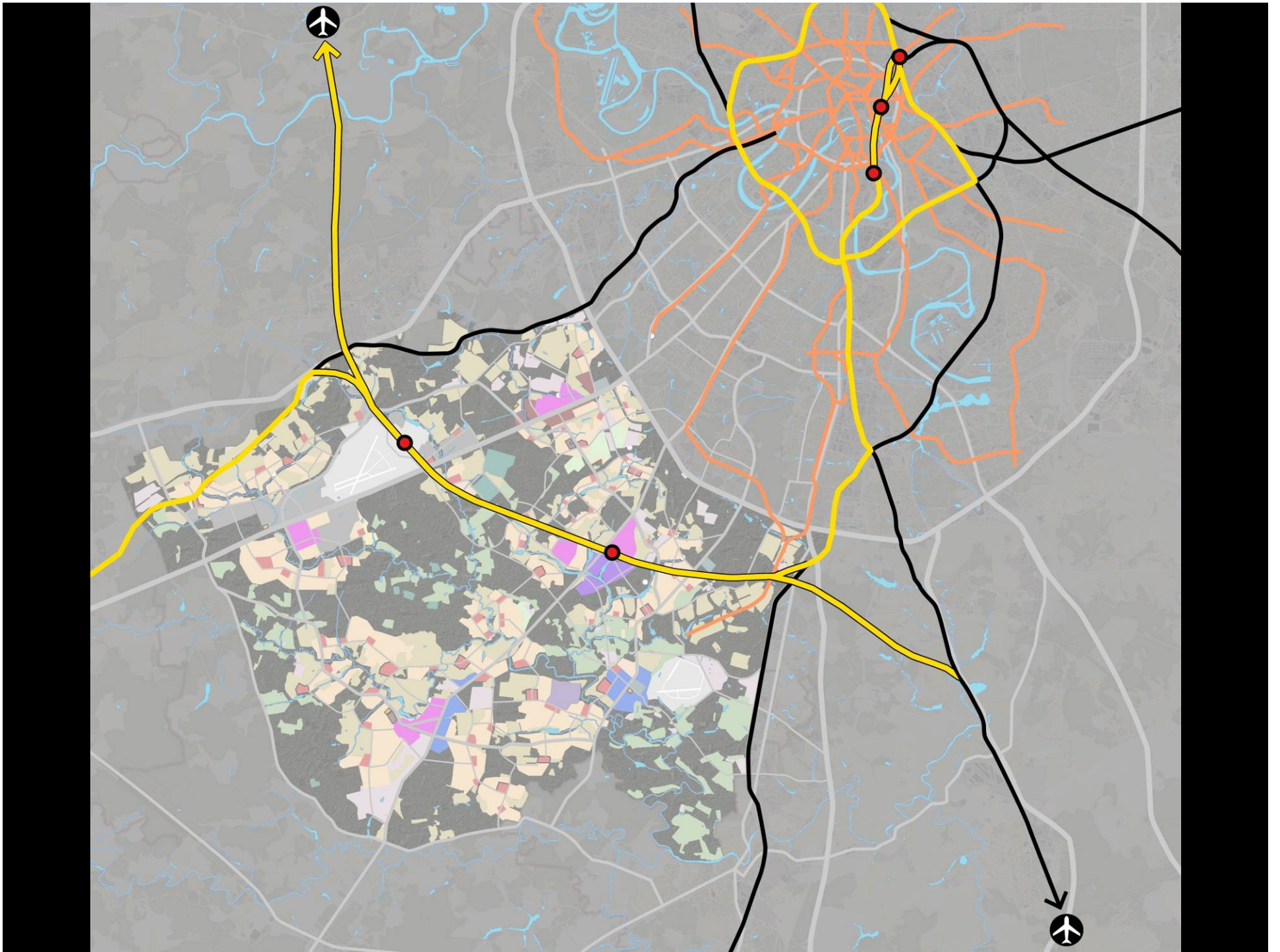
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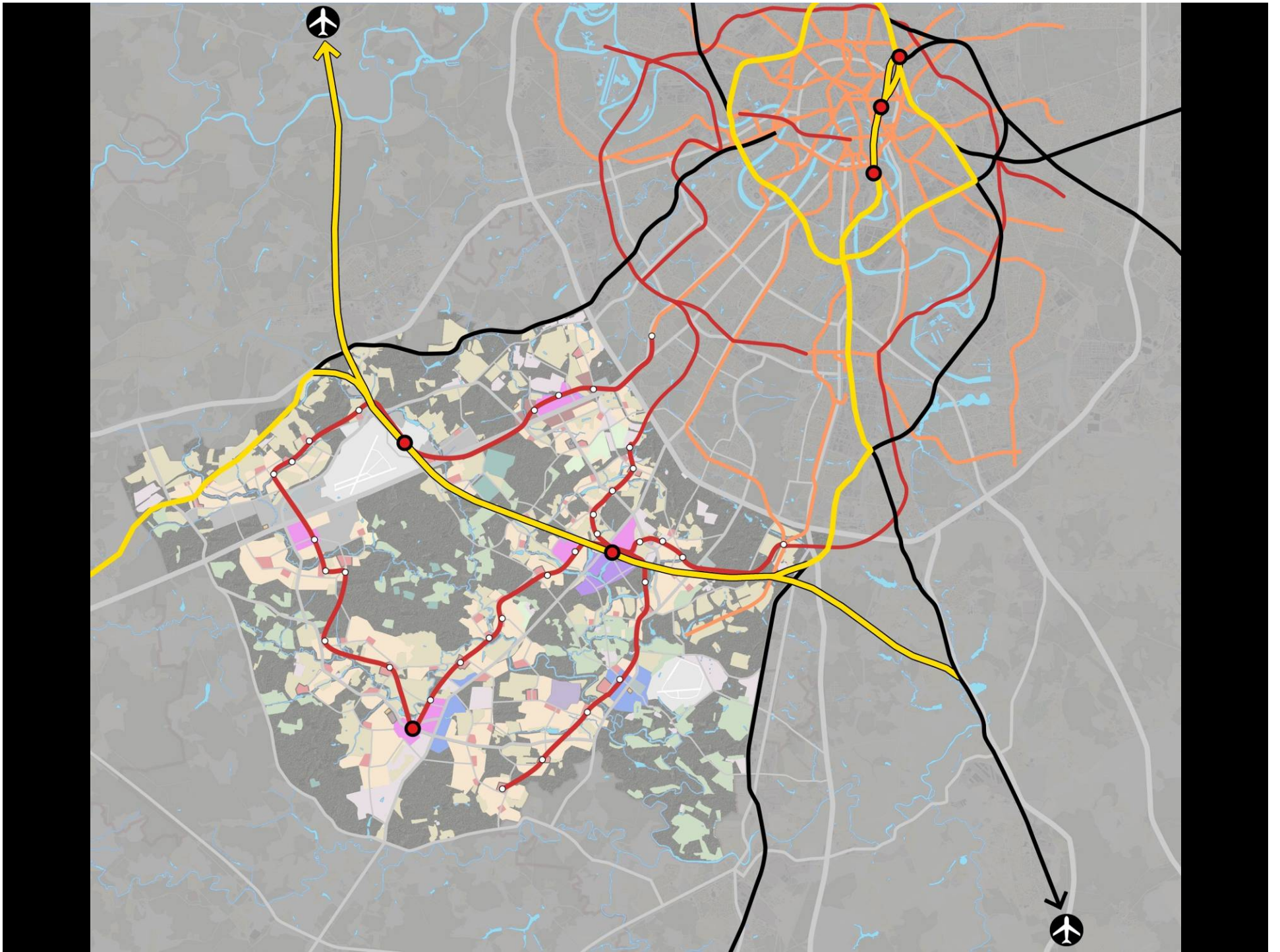


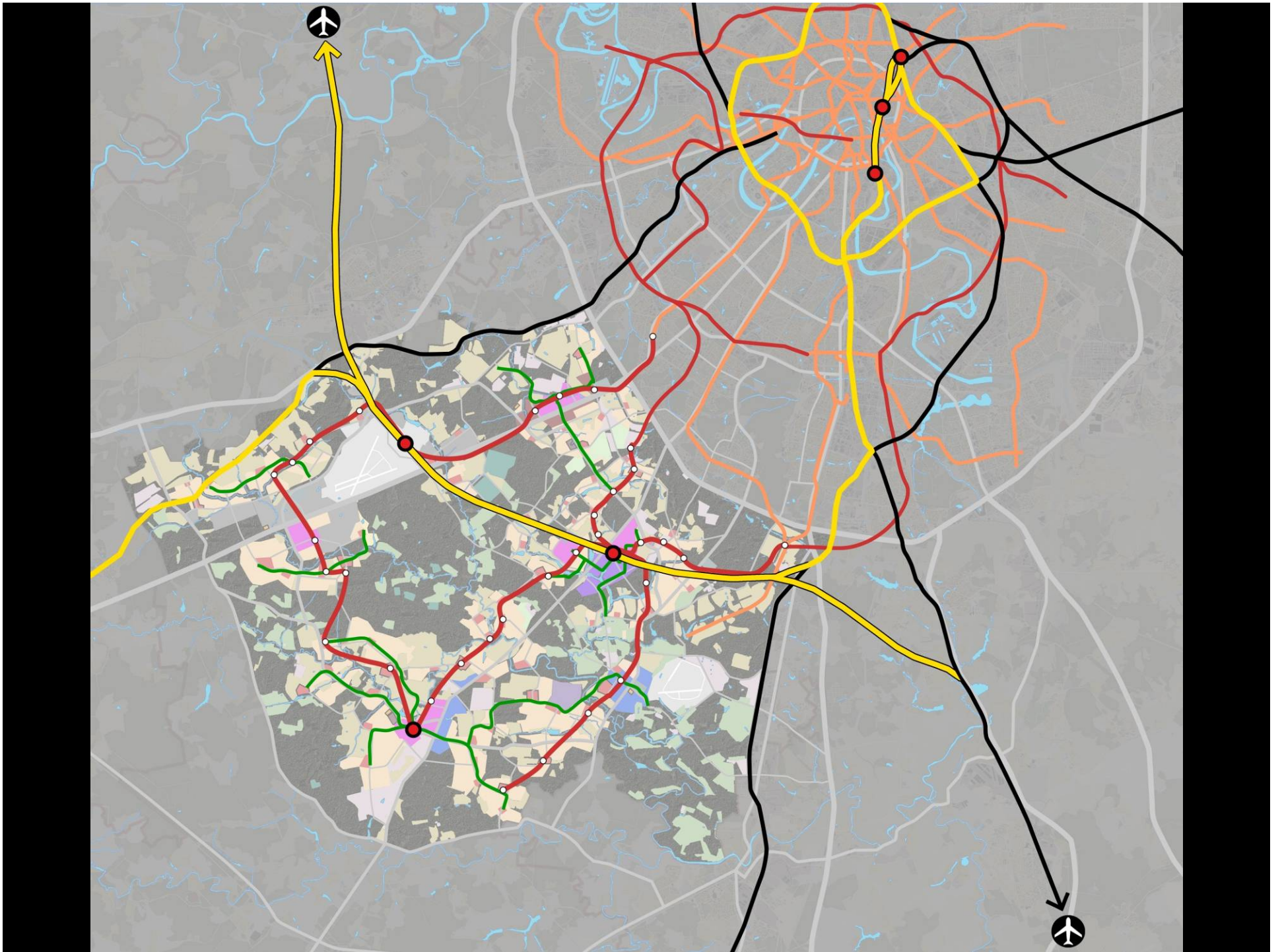


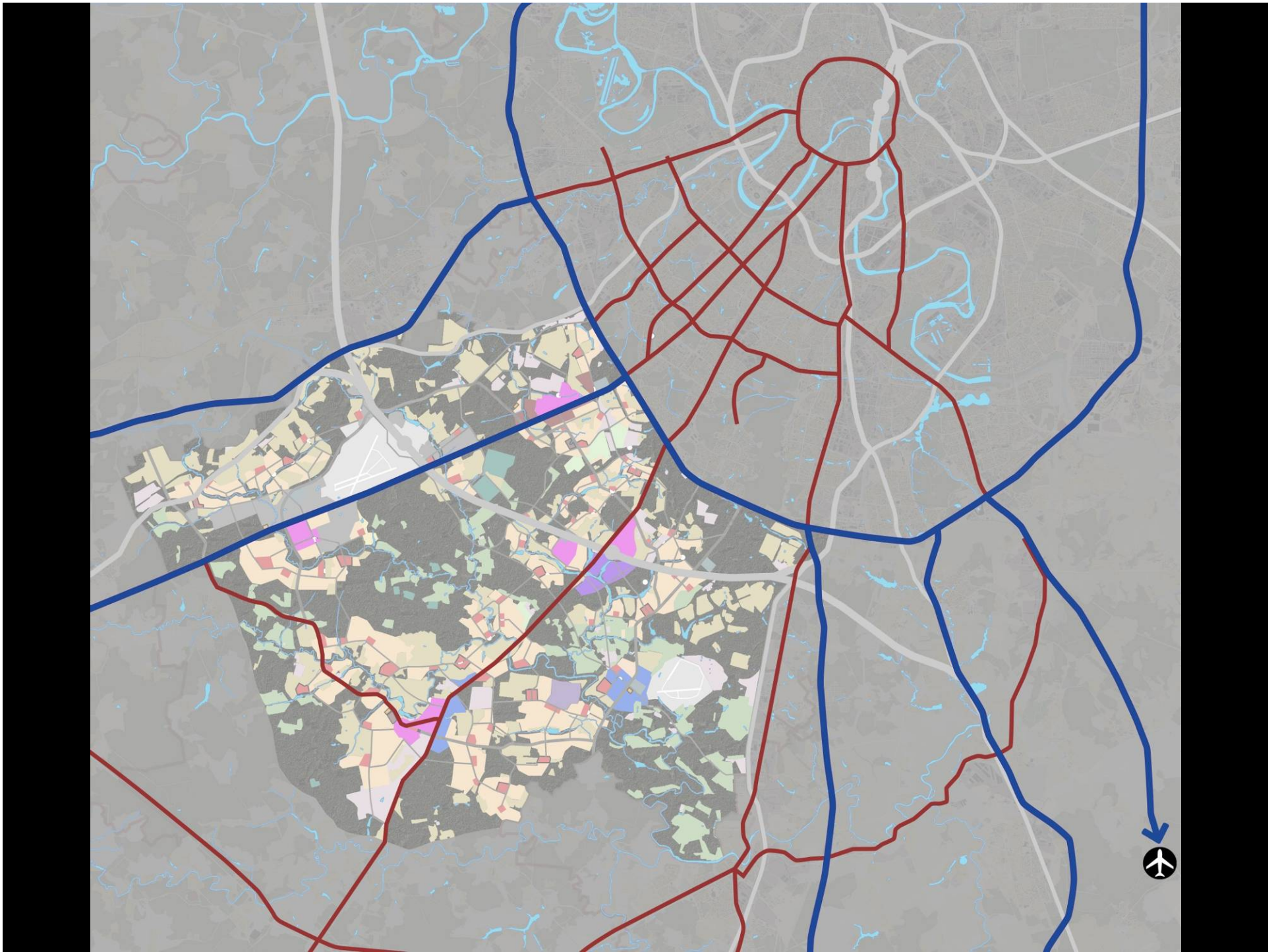


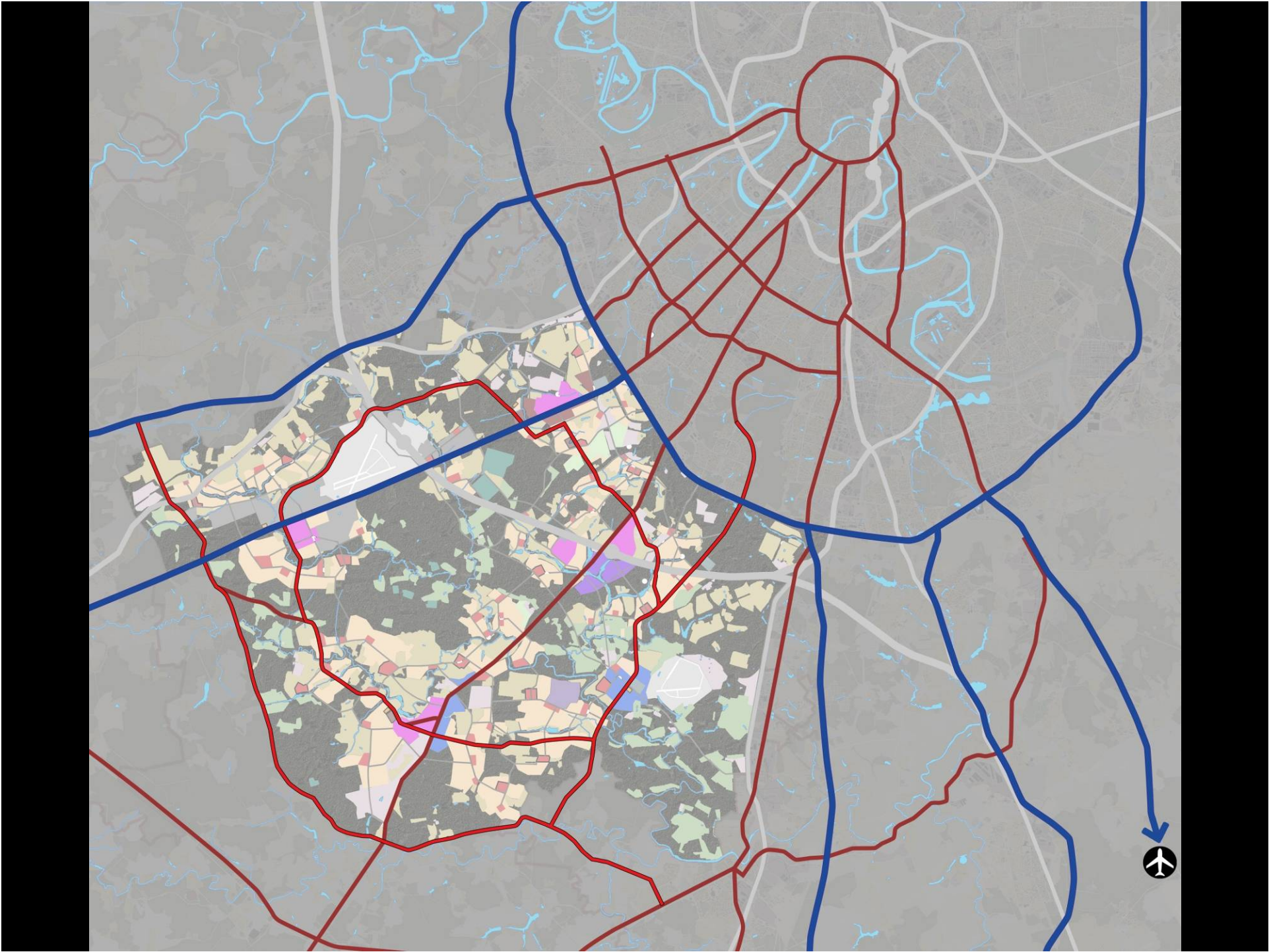


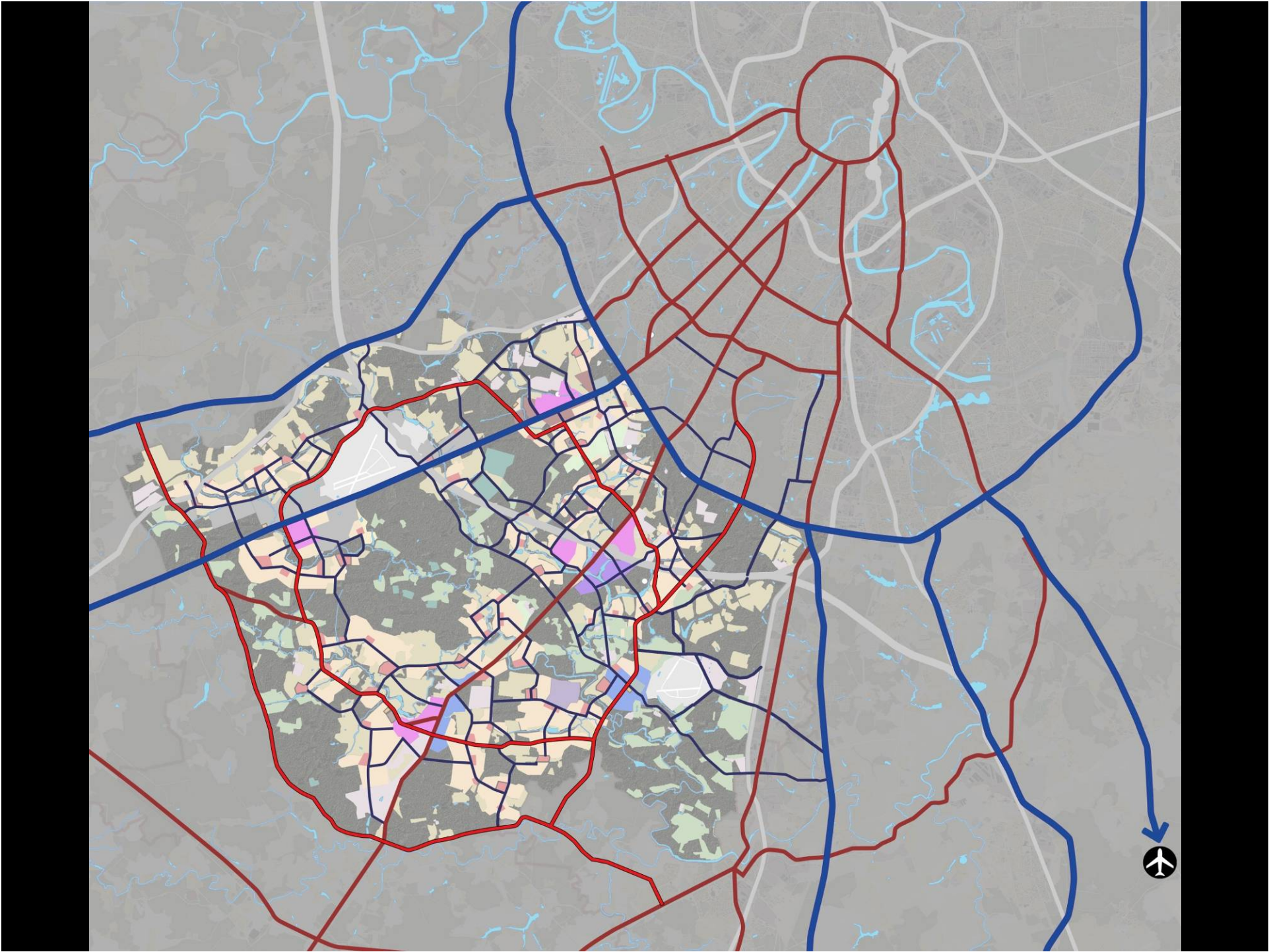








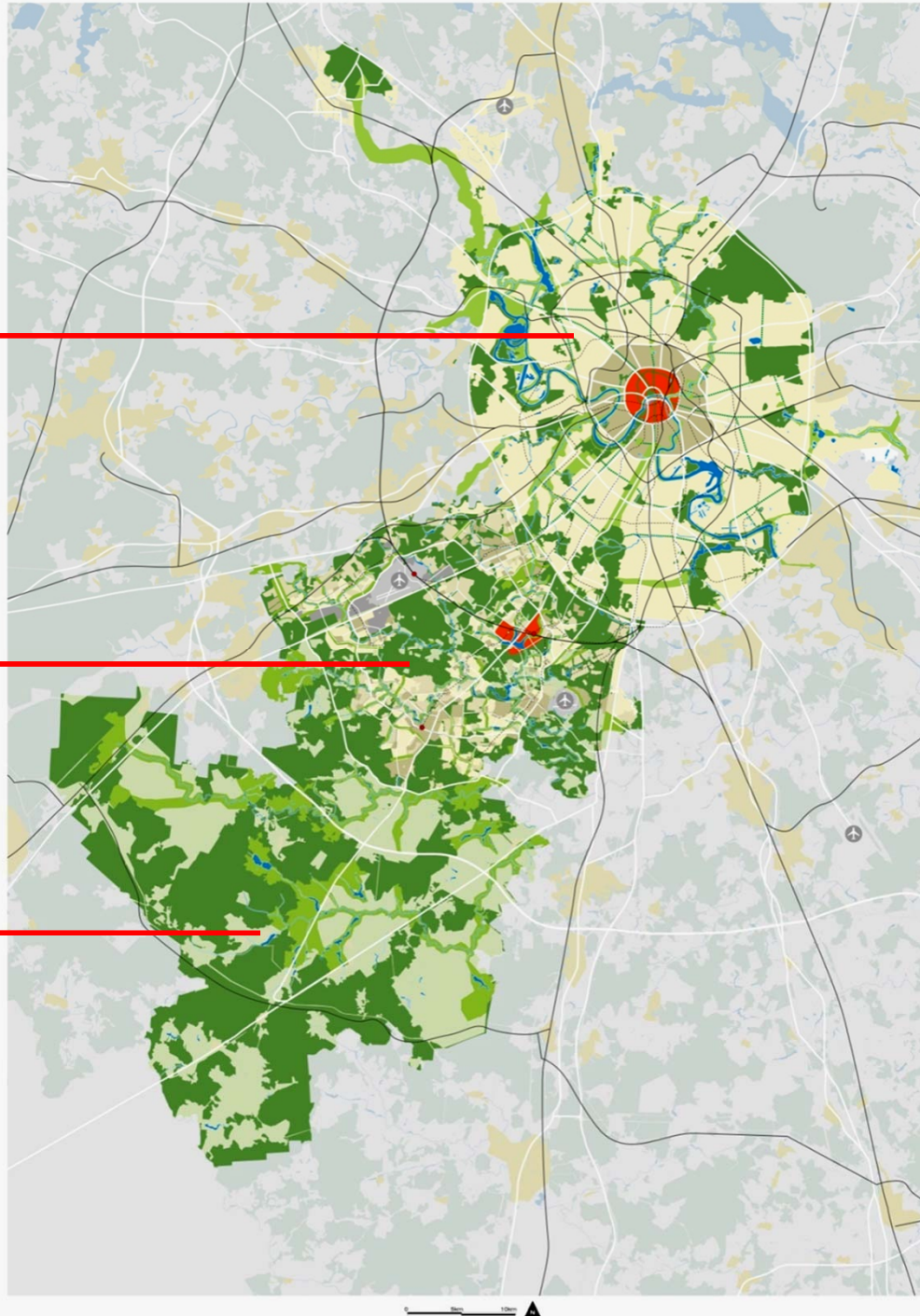


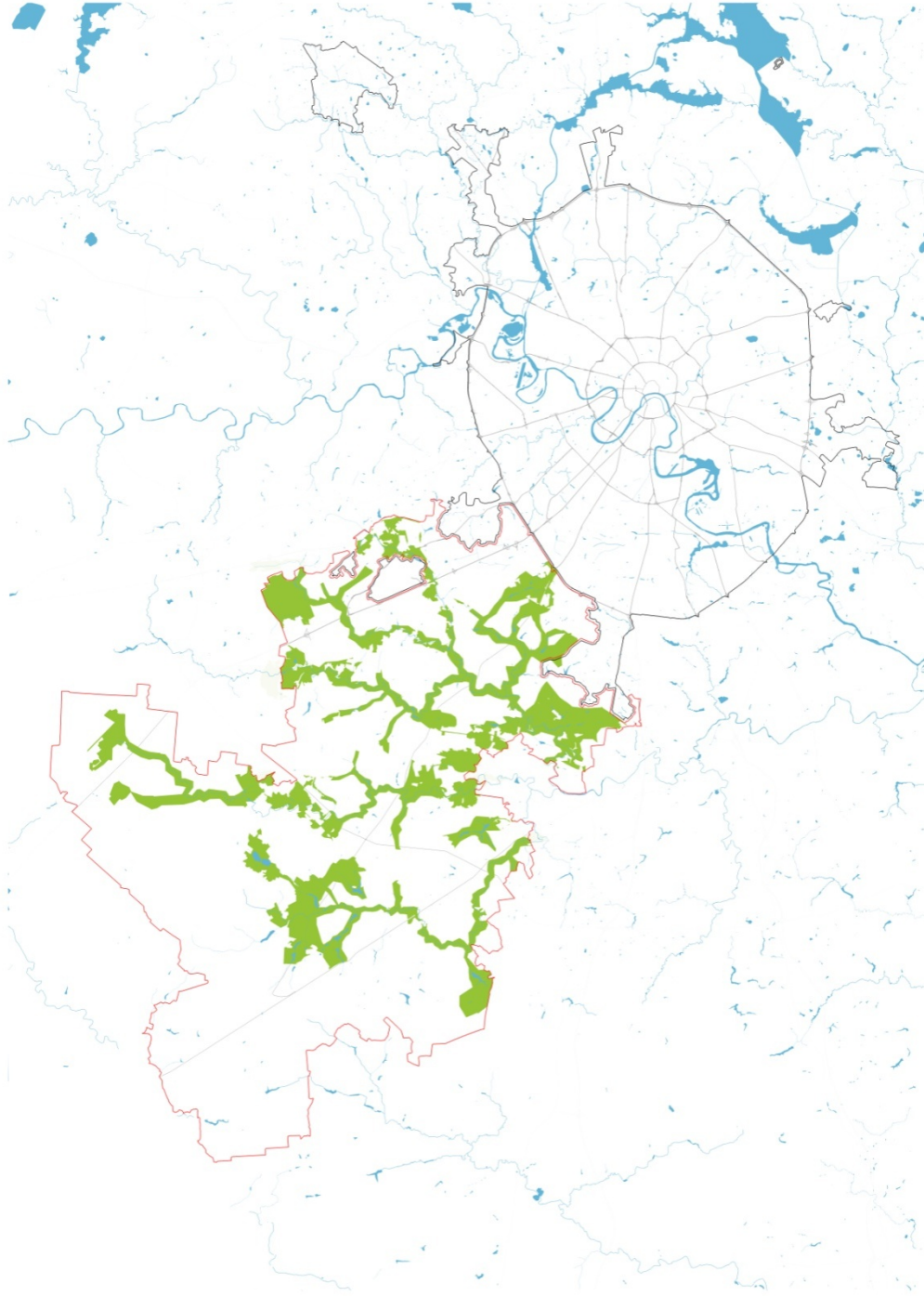


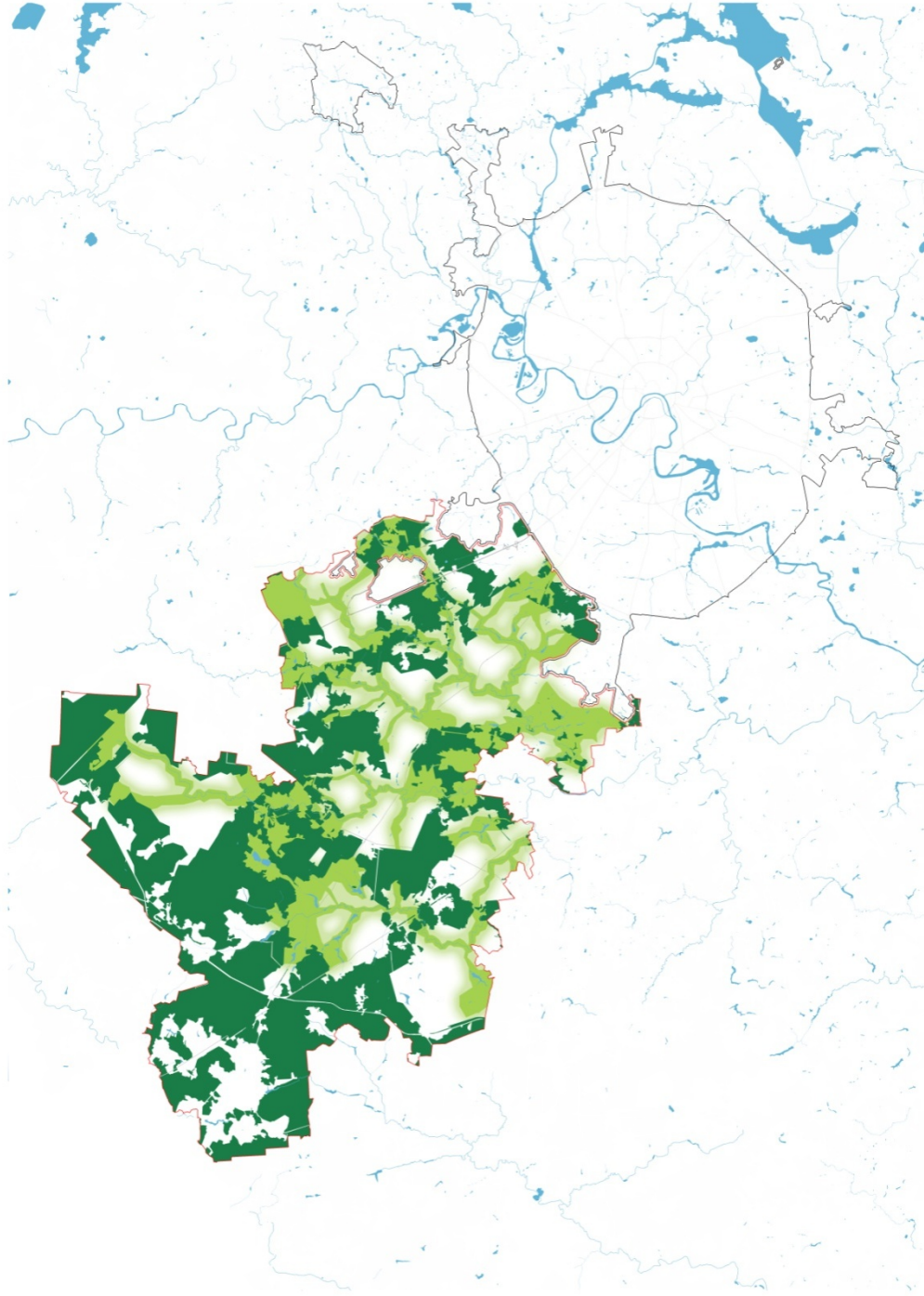
REGENERATE

DEVELOP

CONSERVE









THREE KEY PRINCIPLES

1. Sustainable change without harmful interventions.
2. Compensate losses of forest and other habitats with new ecological landscapes.
3. Repair & enhance Moscow's existing environmental assets and ecological systems.



