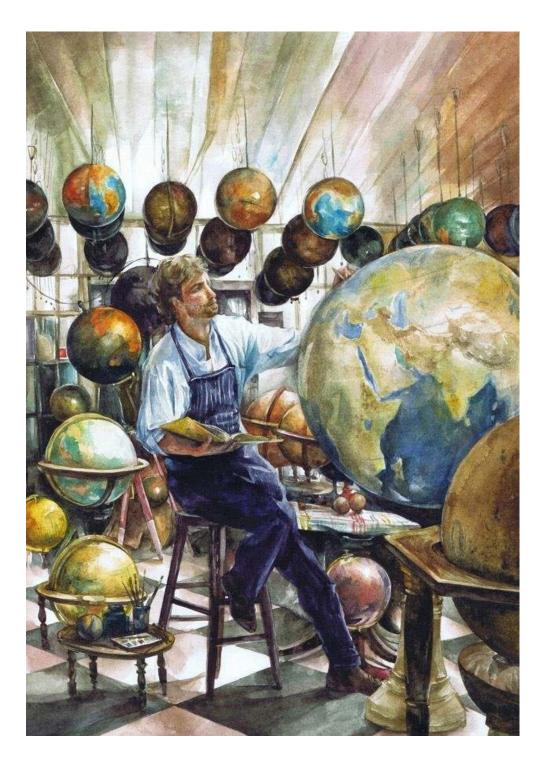


City cartography ethno-demographic and economic gradients of an urban environment

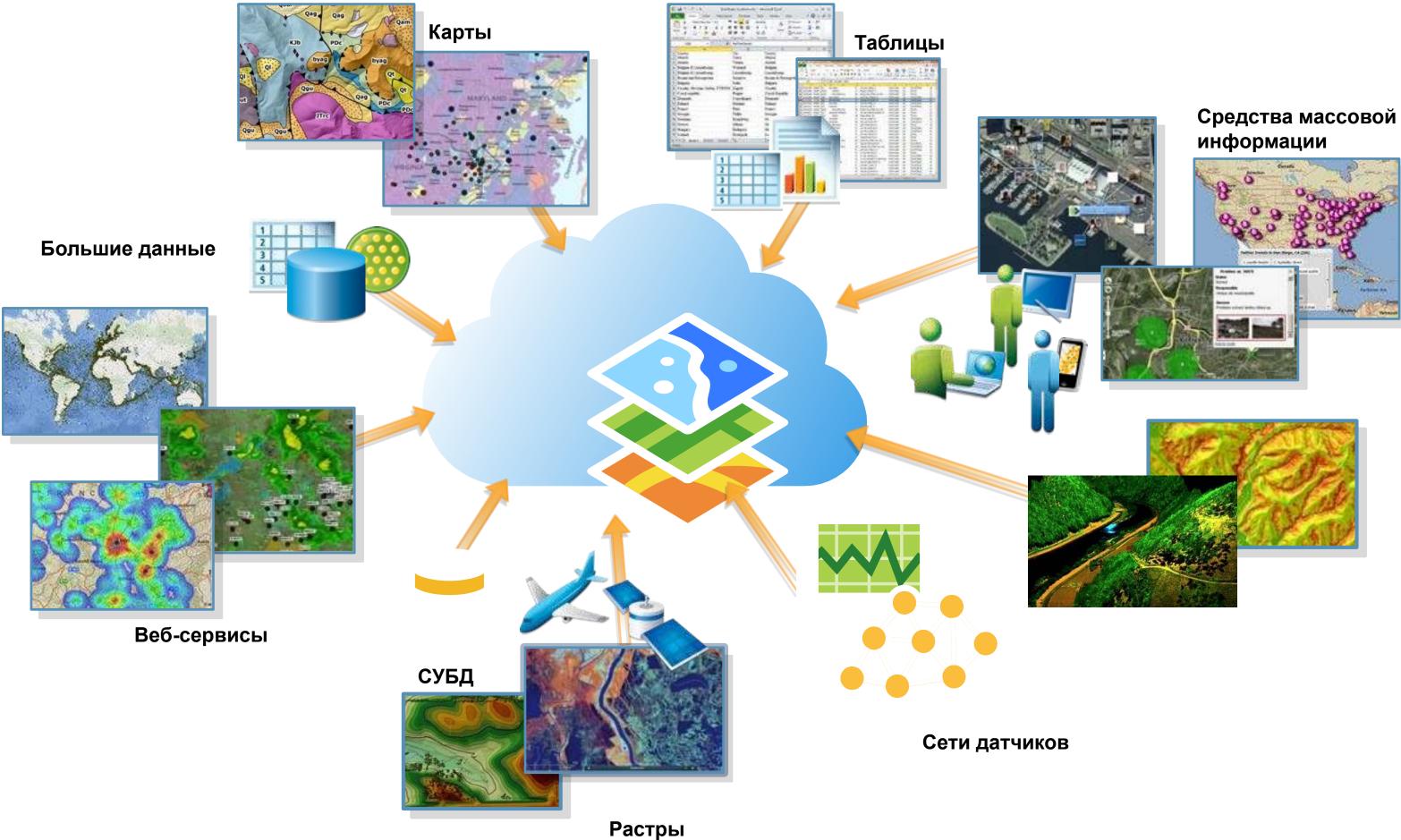


Geoinformation technologies as the basis for the development of Smart City









Социальные сети

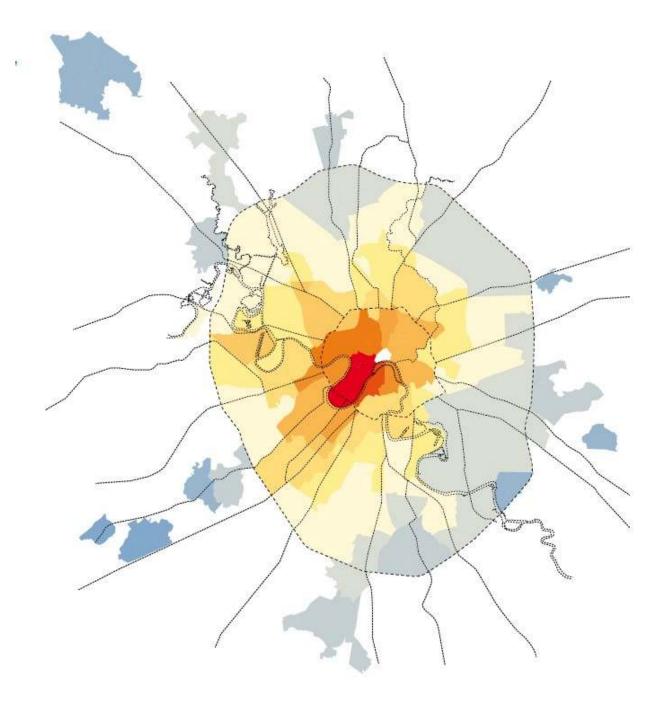


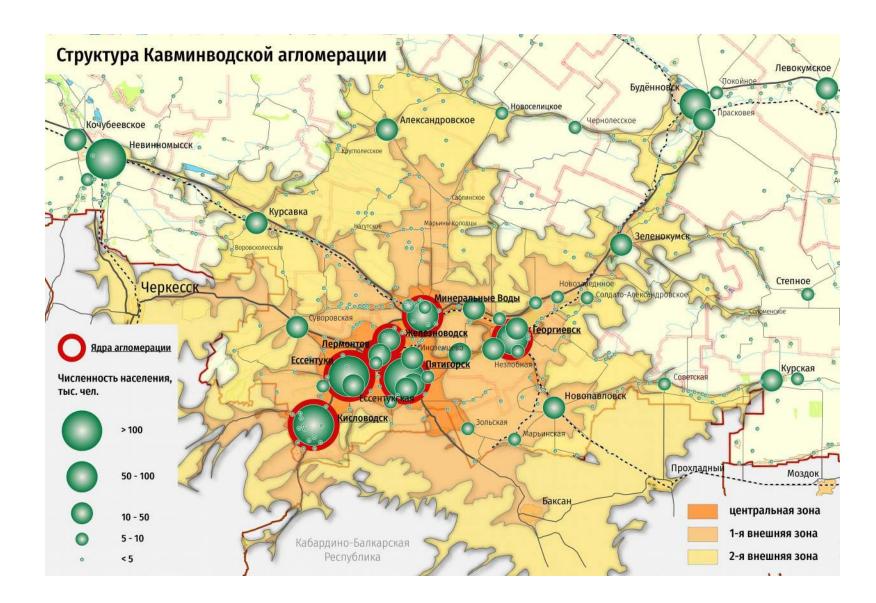


The temptations and trials

Maps this:

- 1. Maps are a method of studying reality based on the analysis of spatial distributions: densities, relations, estimates, ratings, etc.
- 2. Visual image of the space. Man does not live in the world of numbers, but in the world of his ideas. "Image space" is beginning to determine behavior people.





Map as a political act

Residents of Ingushetia against the new border with Chechnya

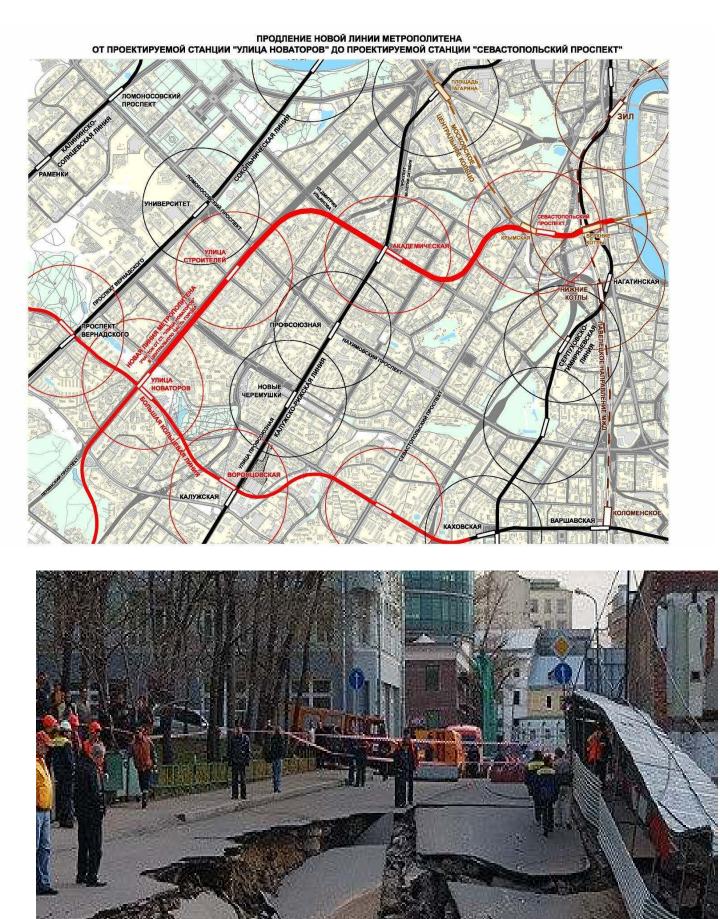


Ò. НЕ СОГЛАСЕН. #НЕПеРЕДАМ **INGUŞETYA**



Map - a tool for urban communities

Citizens against the construction of the subway

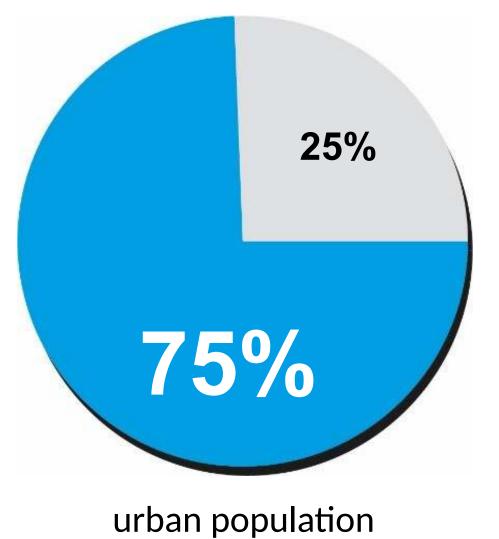




On the migration of the city meet neighborhood development

Urban and rural population in Russia

rural population







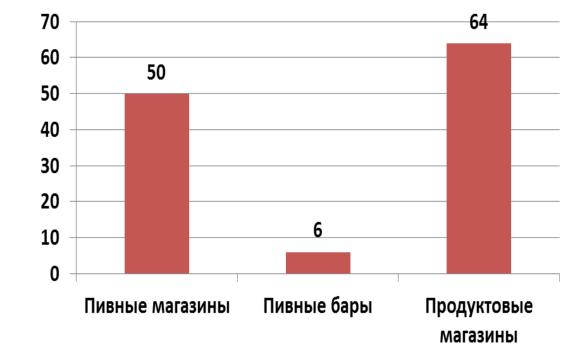
Cities are becoming polarized and dangerous, and spatial analysis is more difficult

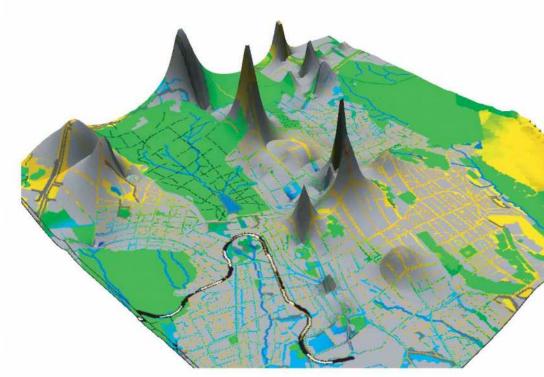




Легенда:

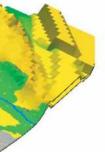








закрытые спортплощадки



Sources of information about the population of Russia

Problems!

"Housing accounting" of the population		There is n migrants, Data on tl
Official statistics]	every 10 y
Sociology]	Sociology territory.
Expert opinion]	Currently, objectivit
MEDIA]	One of th subjective
BIGDATA]	New tech from socia

no accounting for whole groups of indicators (national composition of ethnic characteristics of the natural movement of the population, etc.). he ethnic composition of the Russian population can be obtained once years.

v is important, but it allows to measure the "average temperature" on the

this source is preferred. At the same time, it has problems of relevance, y and scalability of information.

e most trusted sources of information. But also one of the most

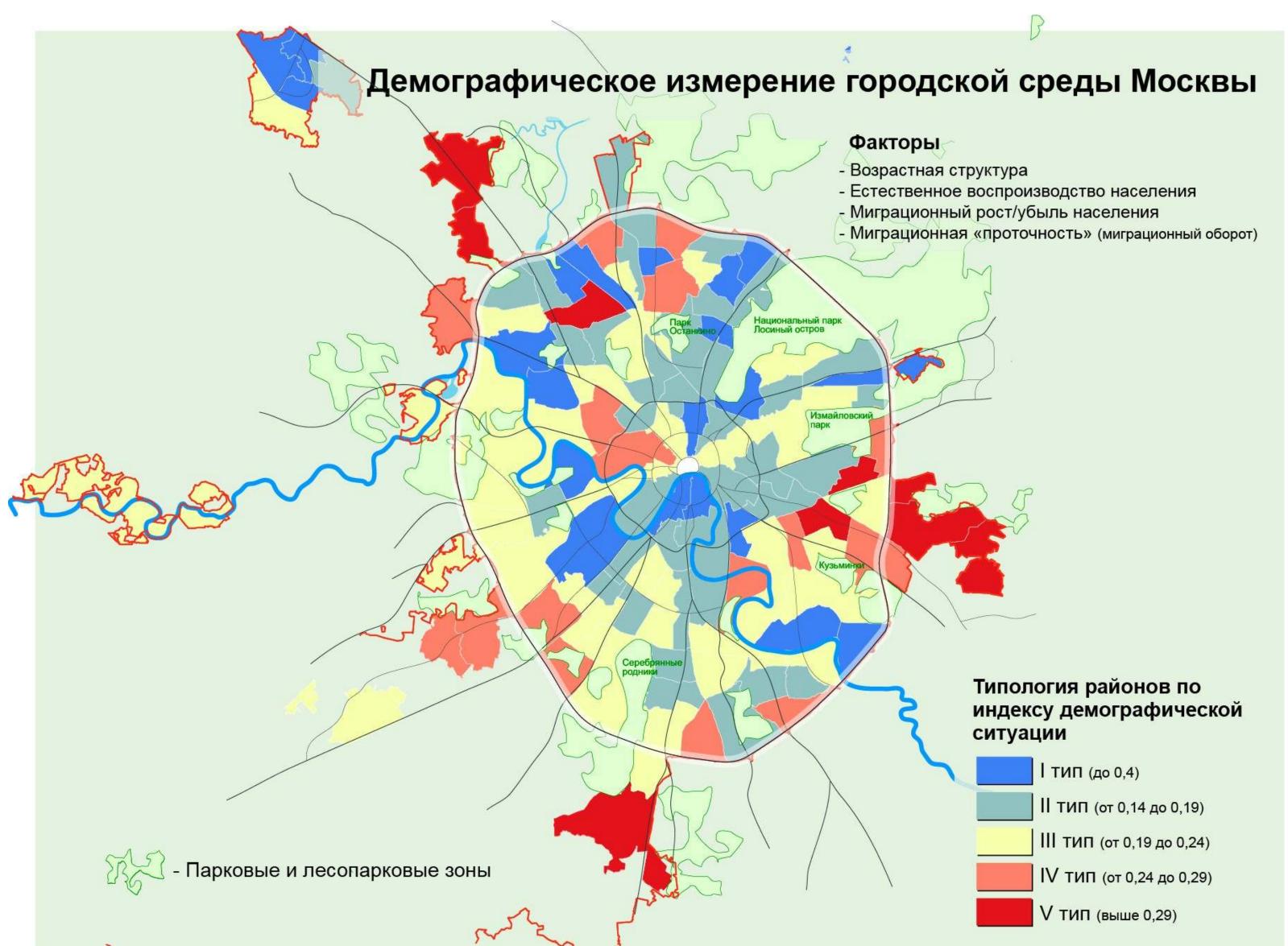
nnologies for collecting a variety of information about the population: data ial networks, mobile operators, CCTV cameras, etc.

EXISTING INFORMATION ABOUT THE POPULATION IS FRAGMENTED!

Demography

Mean values of demographic indicators, characterizing different types of districts of Moscow

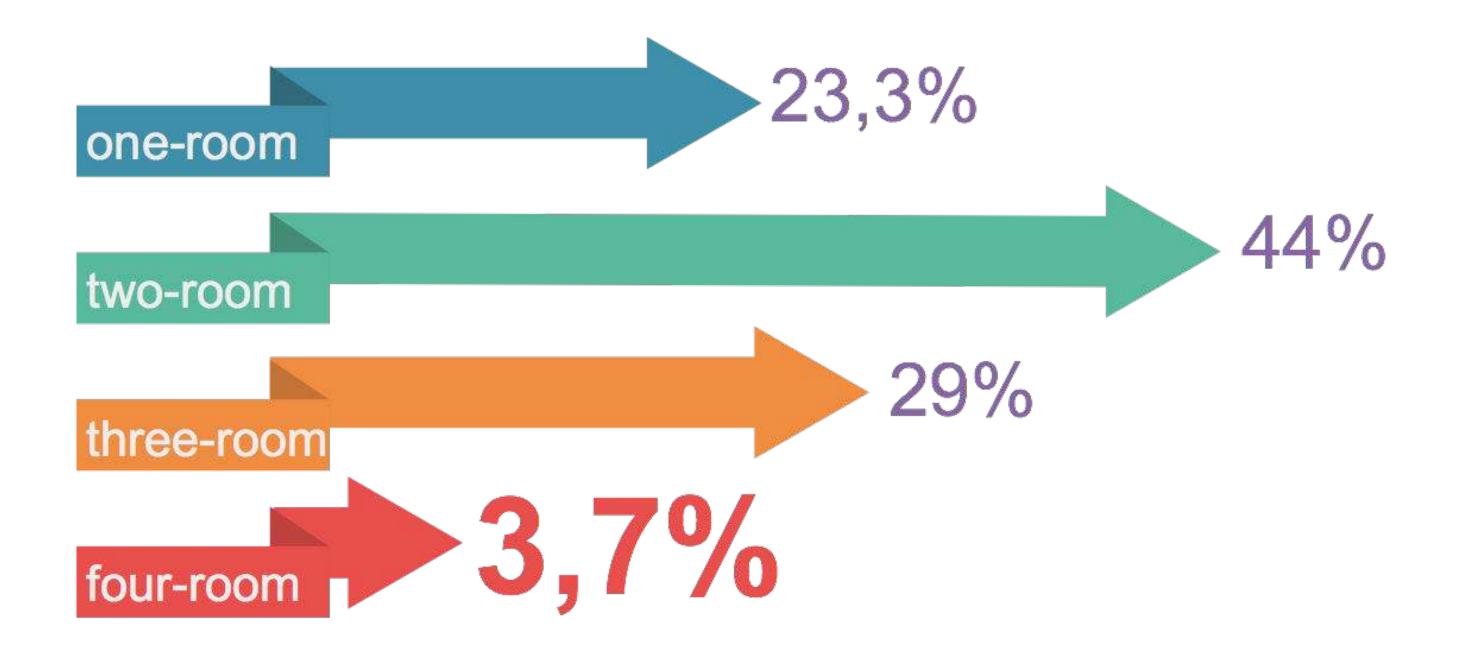
Type of area	Share of young ages (20-34), %	The proportion of older (55 и старше), %	The rate of natural reproduction, ‰	Migration growth rate, ‰	Migration turnover, people.
I	22, 97	38,40	- 0,85	1,10	1584
II	24,51	36,59	- 0,79	5,08	2497
III	25,96	34,24	0,43	5,84	3322
IV	27,69	30,95	2,14	11,85	3579
V	29,52	27,10	3,10	17,12	4379



The largest number of Moscow districts falls into the middle third type, which defines a stable view of the Moscow society as aging, with difficulty providing a simple reproduction of the population, growing due to migration and experiencing the pressure of migration circulation as pendulum, and seasonal or episodic.



Apartments in Moscow



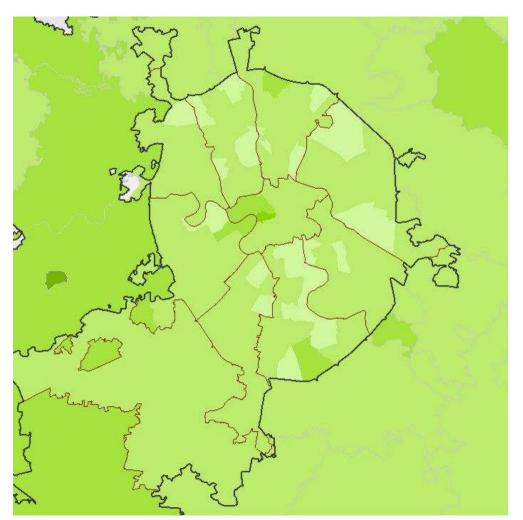
Total fertility rate in Moscow, 2018

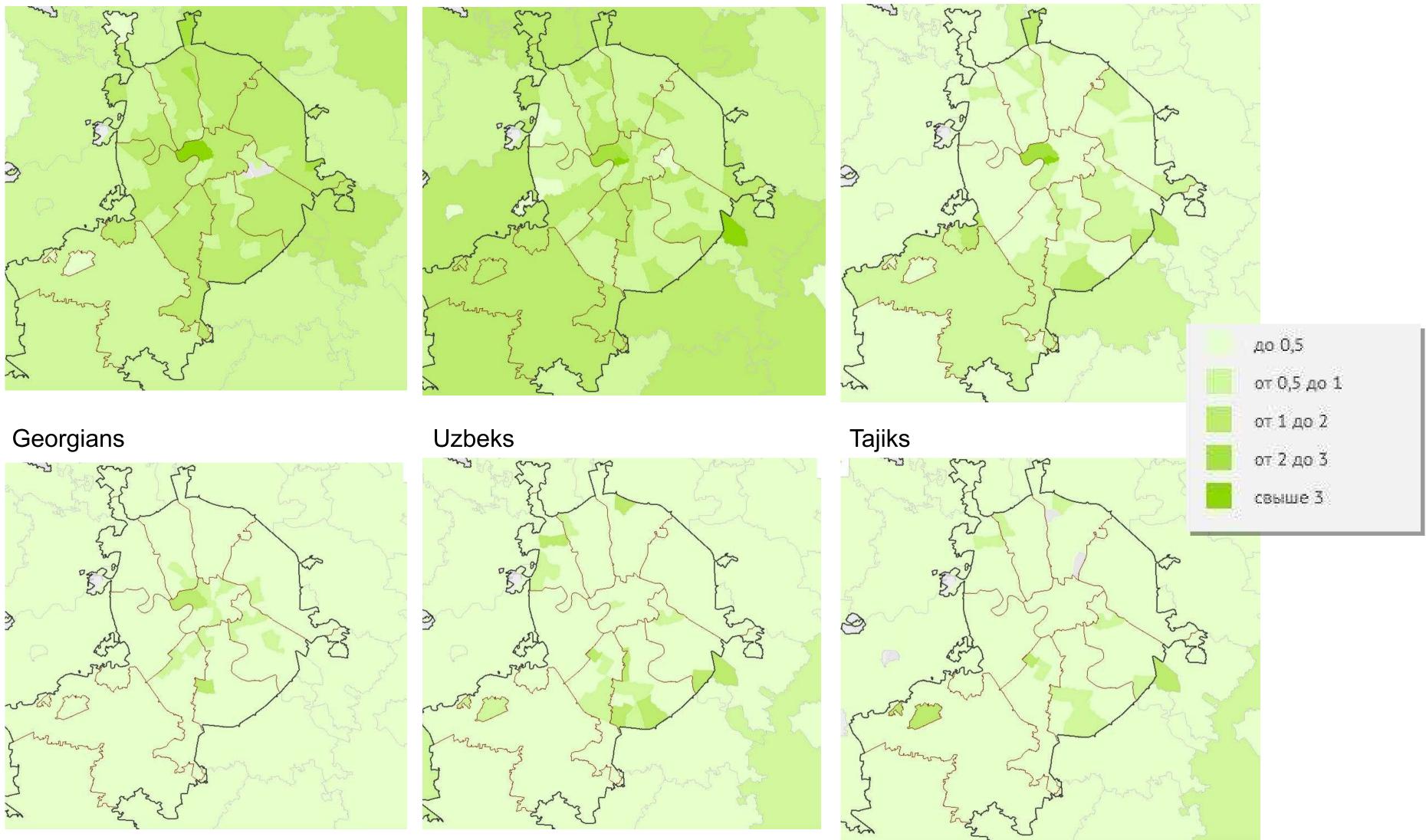


Ethnic map of Moscow

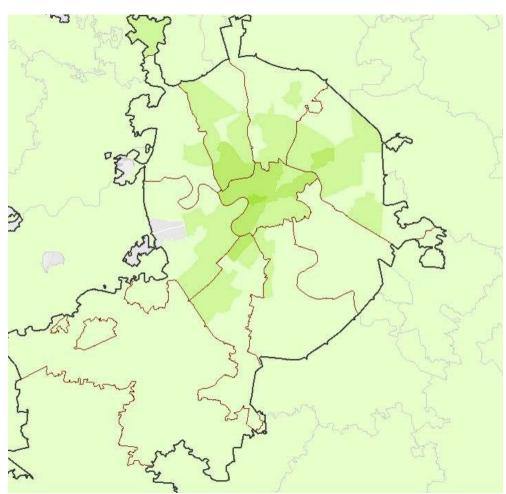
Ukrainians

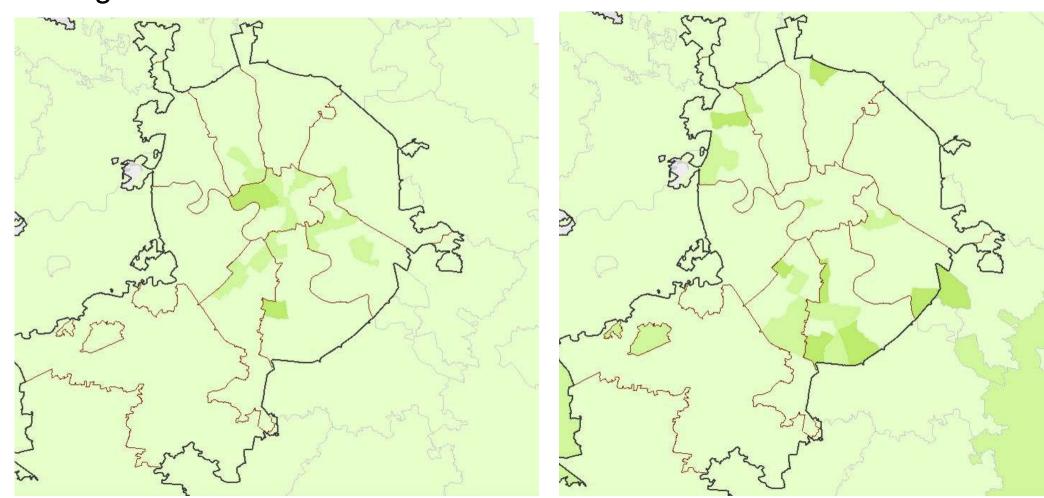
Tatars





Jews



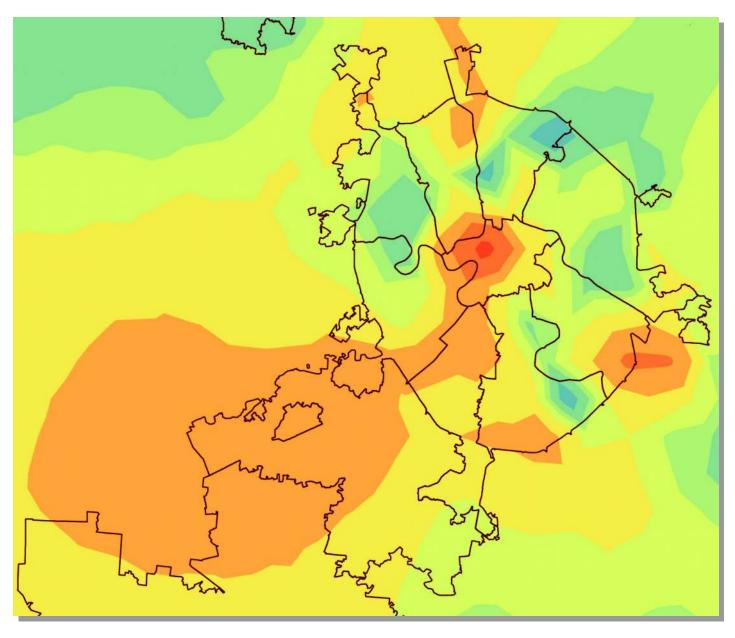




Azerbaijanis

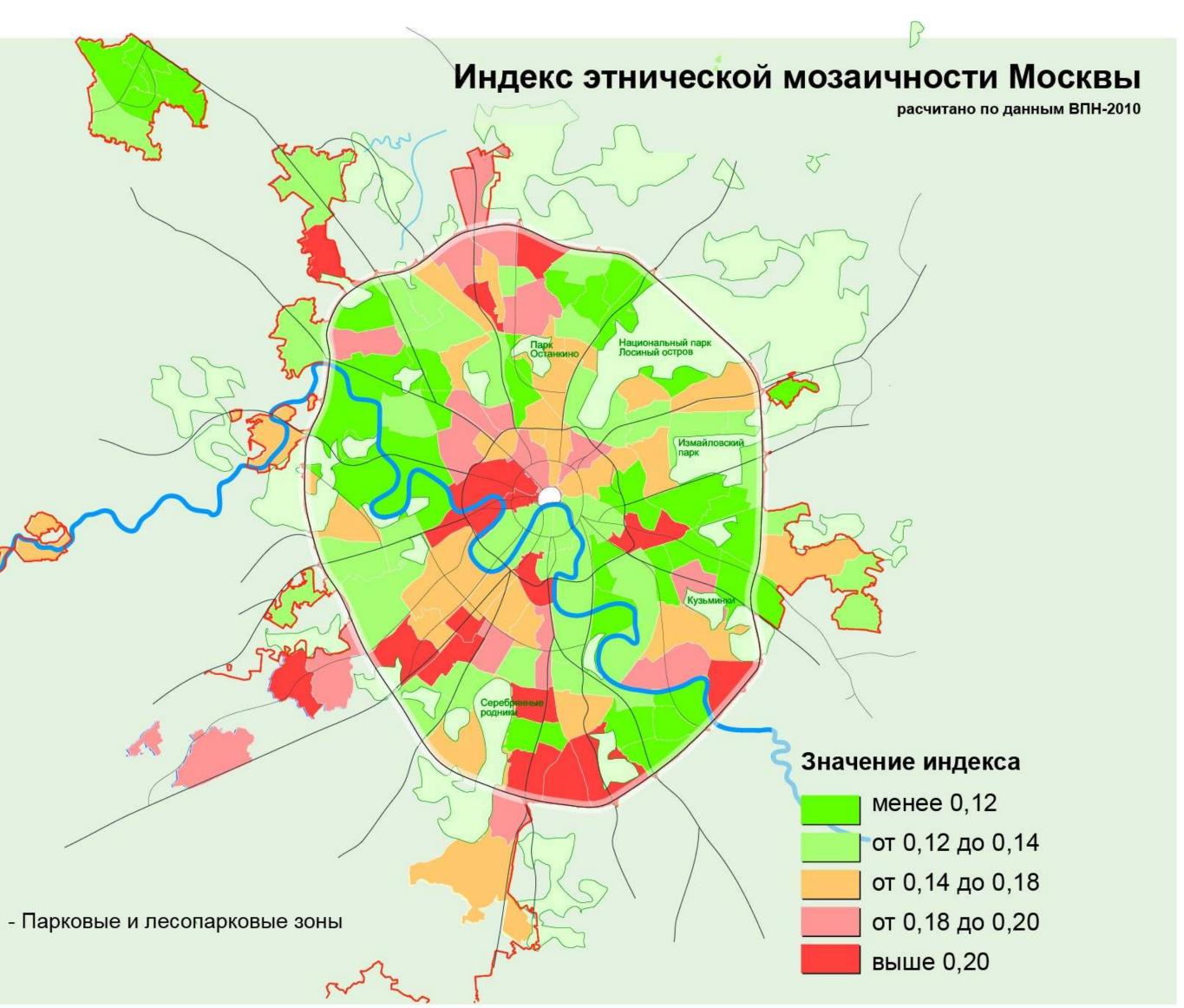
Ethnic mosaic

Dorogomilovsky, Troparevo-Nikulino and Biryulevo, falling into the category of the most mosaic, have different reputations. In a sense, these are symbols of bureaucratic, intelligent and dysfunctional Moscow.

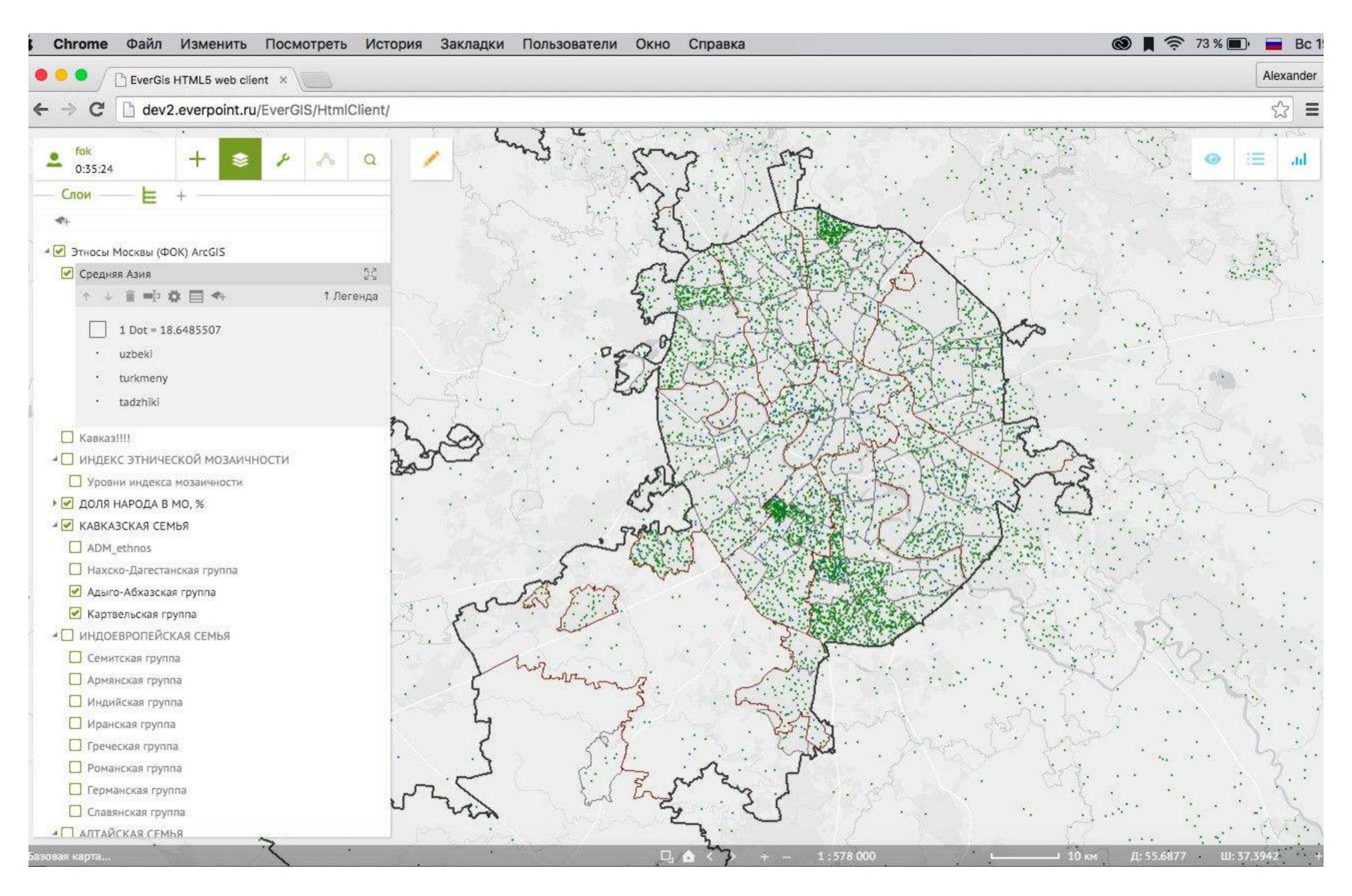




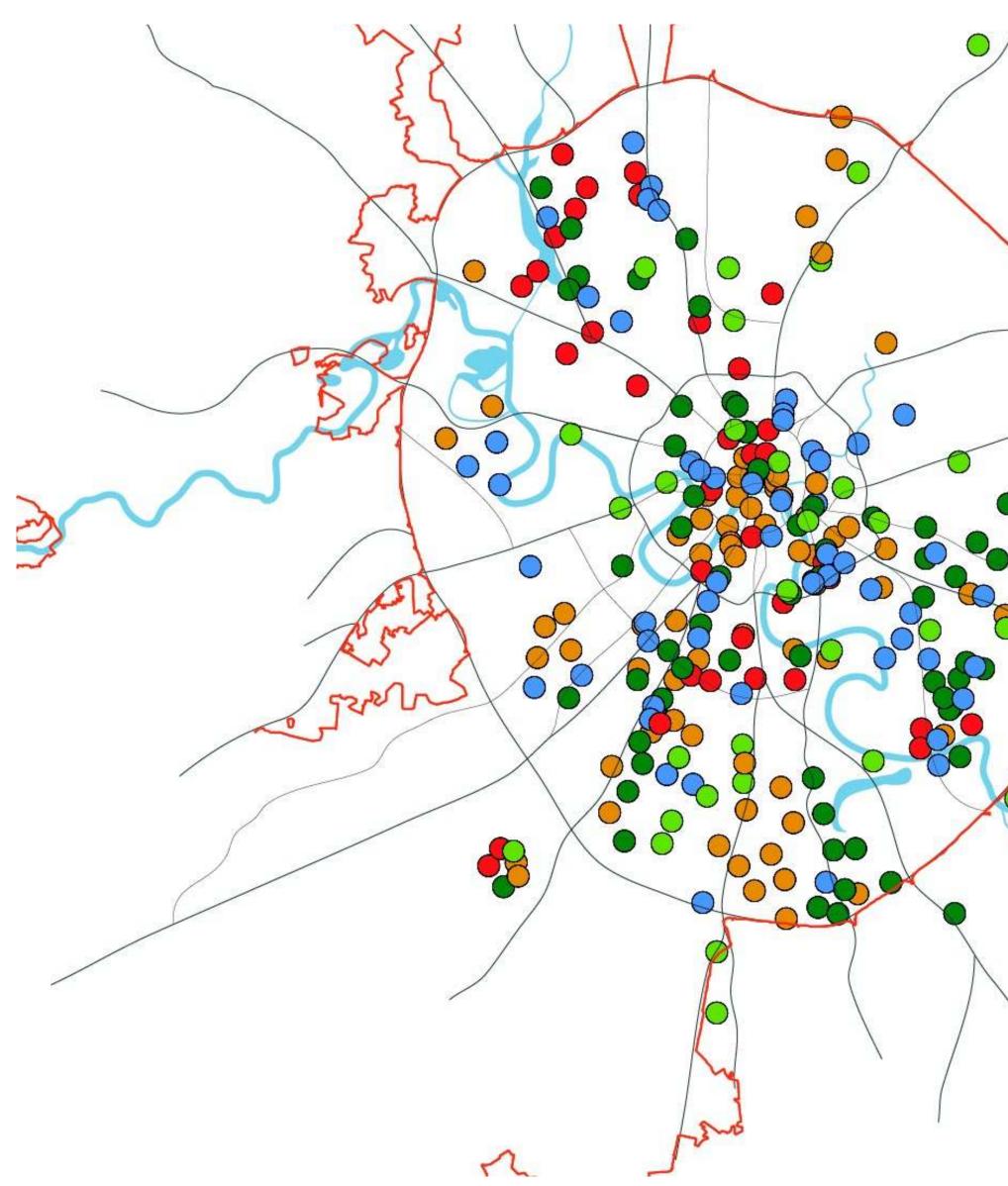


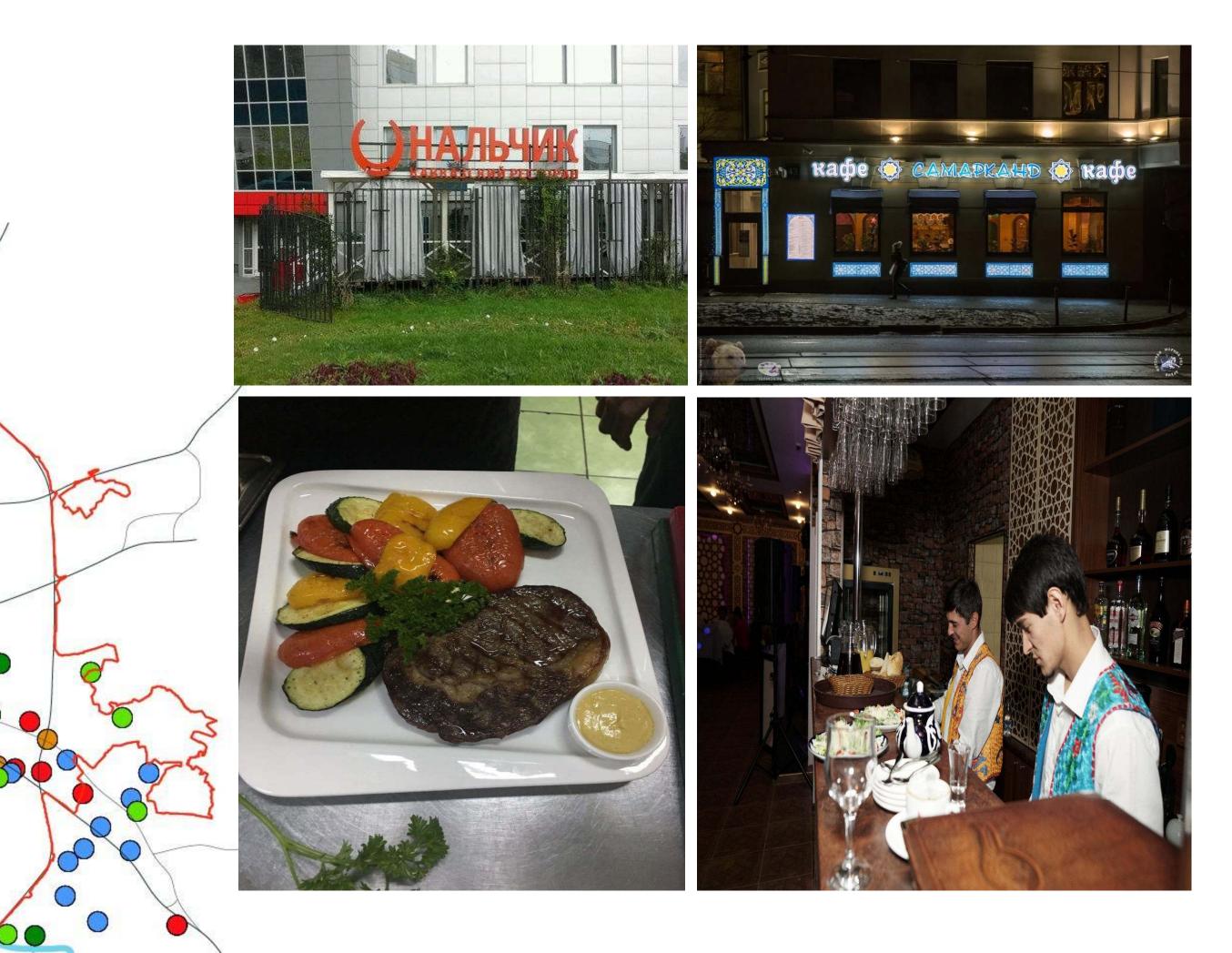


Settlement of ethnic groups from Central Asia



Ethnic cafes in Moscow

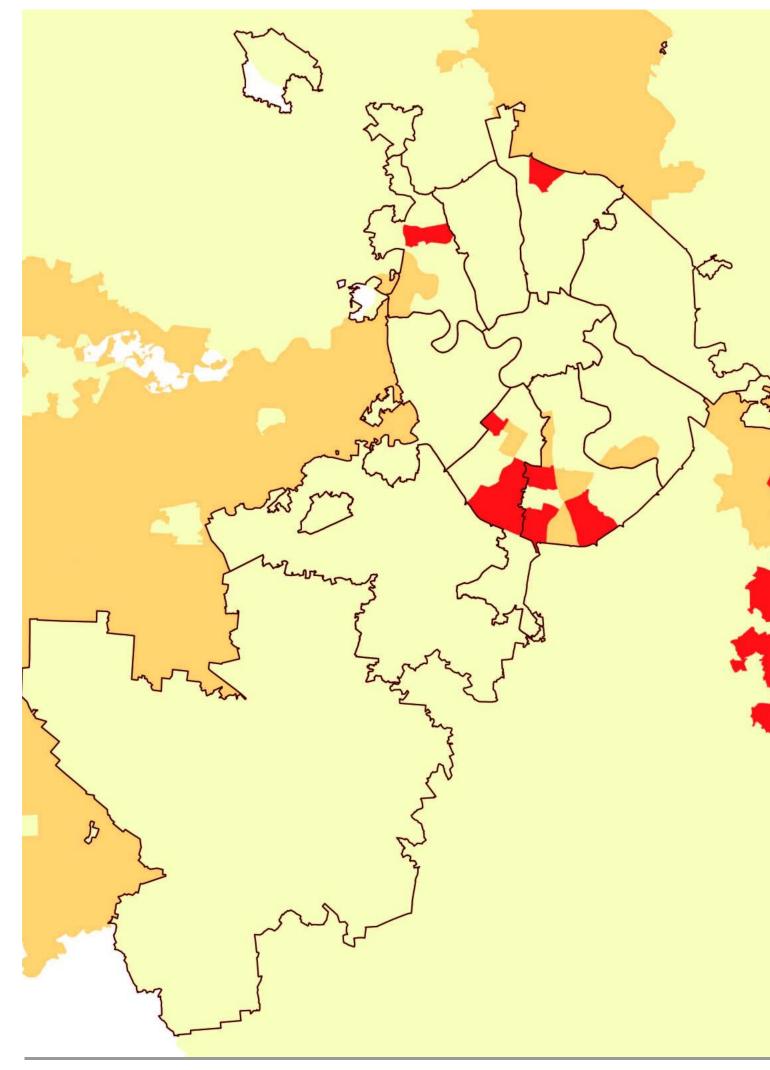


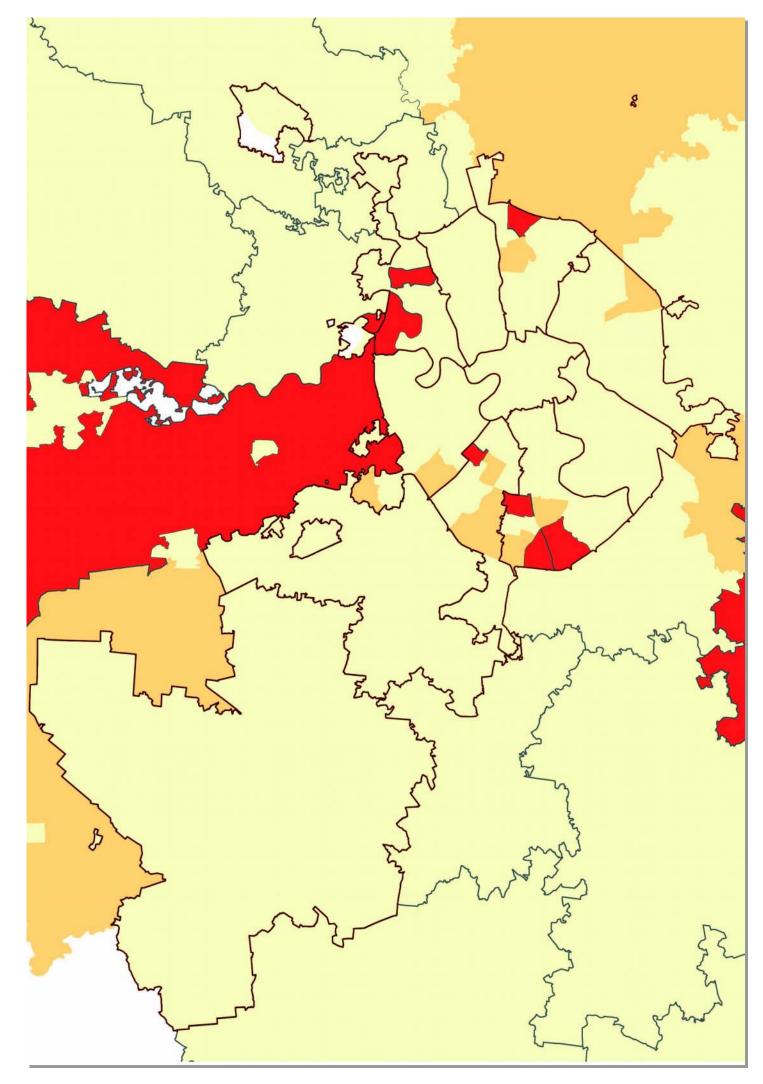


National cuisine

- Azerbaijani
- Armenian
- 🔵 Georgian
- North Caucasian
- 😑 Central Asian

Hot spot





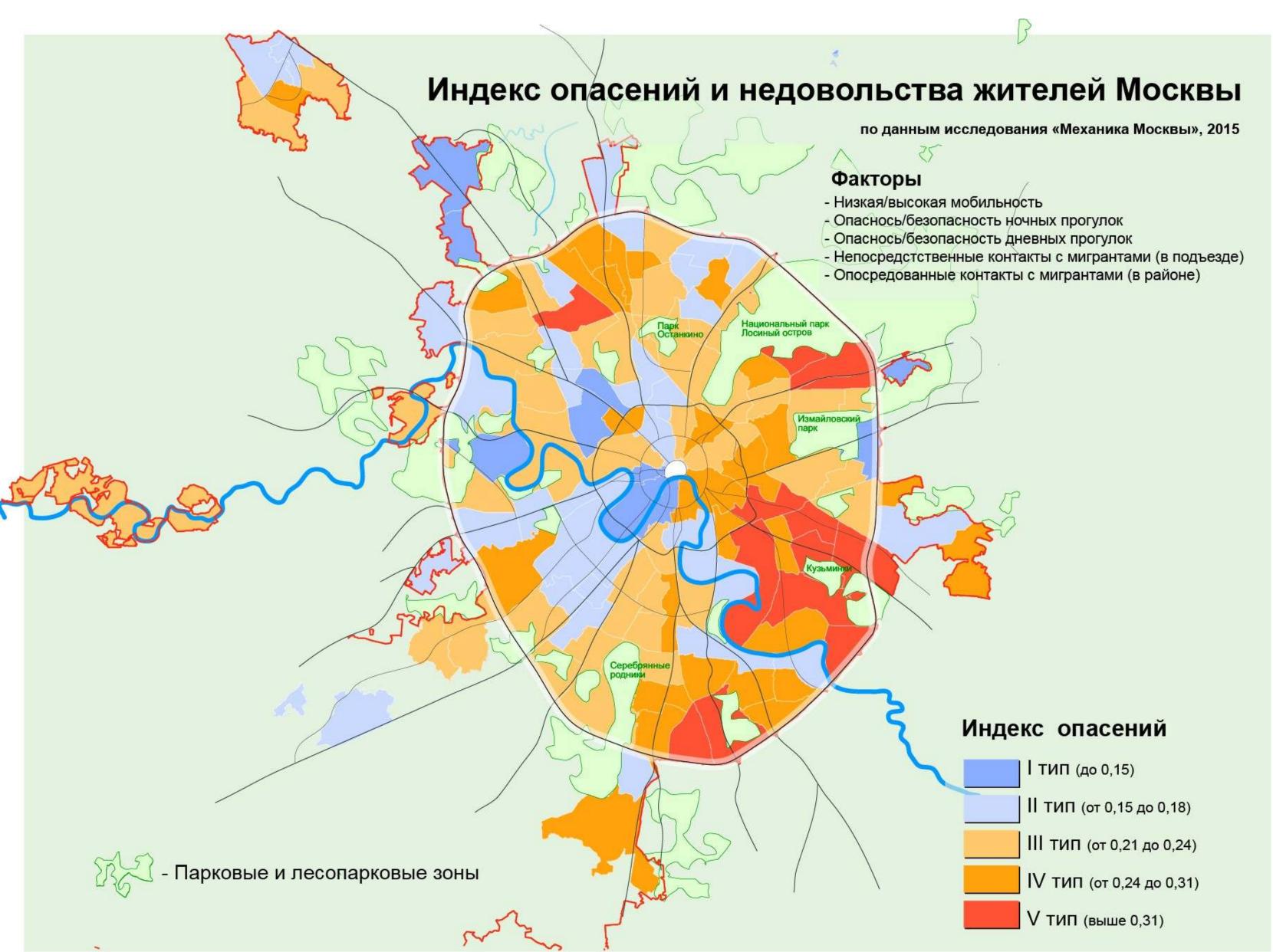
Fears of citizens

On the "Arbat", for example, it is unsafe to walk during the day, due to the huge crowd of people in a small area of the area.

In the outskirts of the "East" – fears caused by the relative transport isolation of the village and the isolation of the life of its population.

In "Kurkino" – unfavorable neighborhood: forced active contacts with migrants living in the near Moscow region and are working in the neighboring agglomeration of shopping centers and markets.

In the South, South-East and North-East of the city – there are several causes of dissatisfaction. The reputation of industrial, criminal, migrant and "bad" districts of the capital, resulting in a reduction in the cost of housing, which has also been assigned to the southern and Eastern sectors of the city.



Everyday life environment

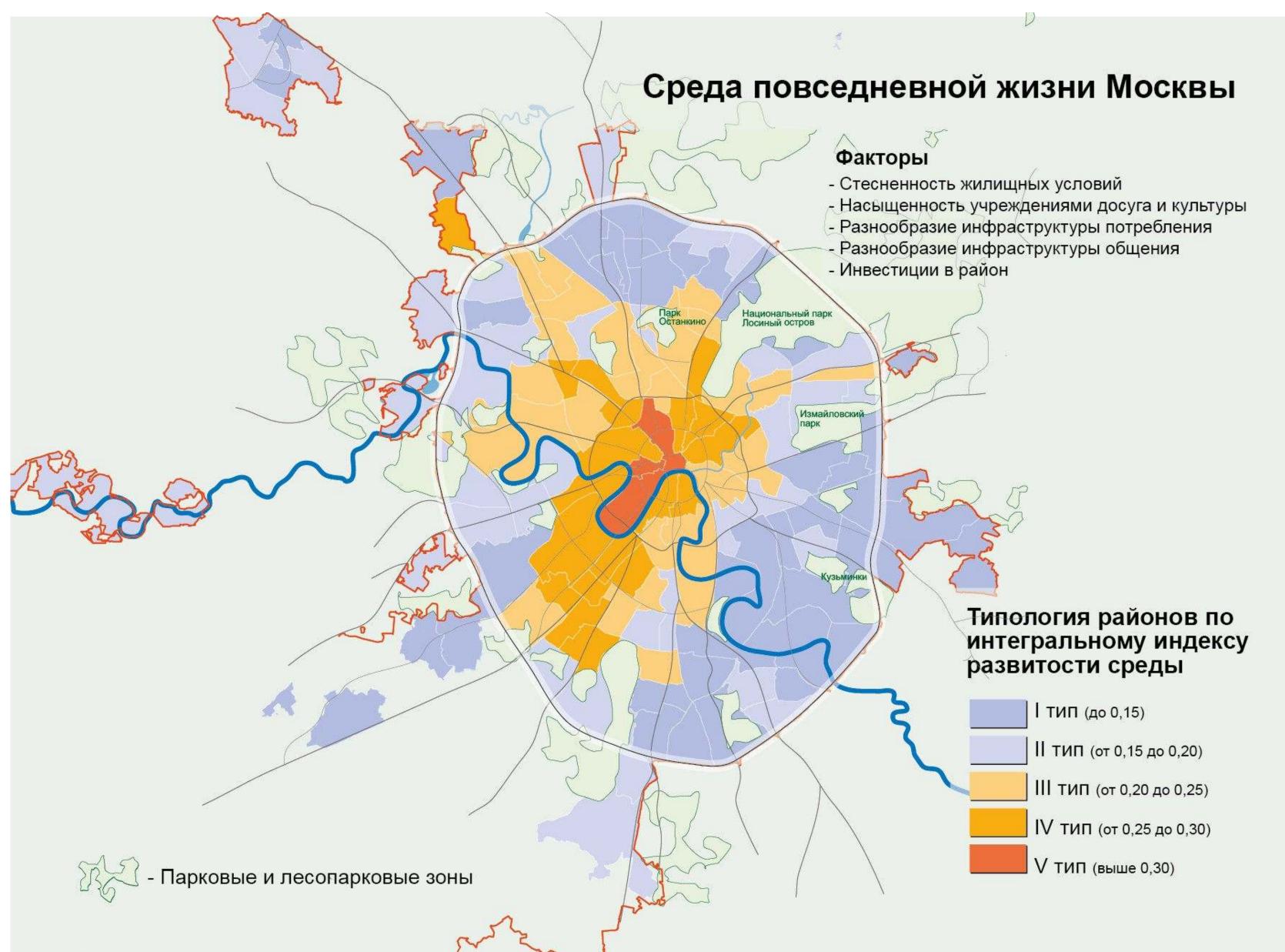
F1 – tightness of living conditions, affecting the mood of the person and reflecting the quality of his life,

F2 – saturation of the area with leisure and cultural institutions,

F3 – variety of consumption infrastructure (shops, shopping centers, megamalls),

F4 – variety of communication and food infrastructure (cafes, restaurants, canteens, etc.)),

F5 –investments in the district. The statistical information was supplemented with the address data on the networks of ethnic cafes in Moscow.





Reputation of Moscow districts

- F1 Prestigious/non-prestigious address
- F2 Housing resources
- F3 Capital of higher education,
- F4 Electoral behavior (openness to change/stability)

The areas that fall into the first and fifth types, localized on the outskirts and in the Central part of the city, are most different. They are characterized by almost three times the difference in the cost of housing and almost twice – in the shower provision of living space. The proportion of people with higher education in the first type of areas is lower than the average for Moscow and is 38.5% of the adult population, and in the fifth type of areas – 58.1%; on the outskirts support the existing government, seeing in it the support of their own lives, and in the center share liberal views and opposition.

