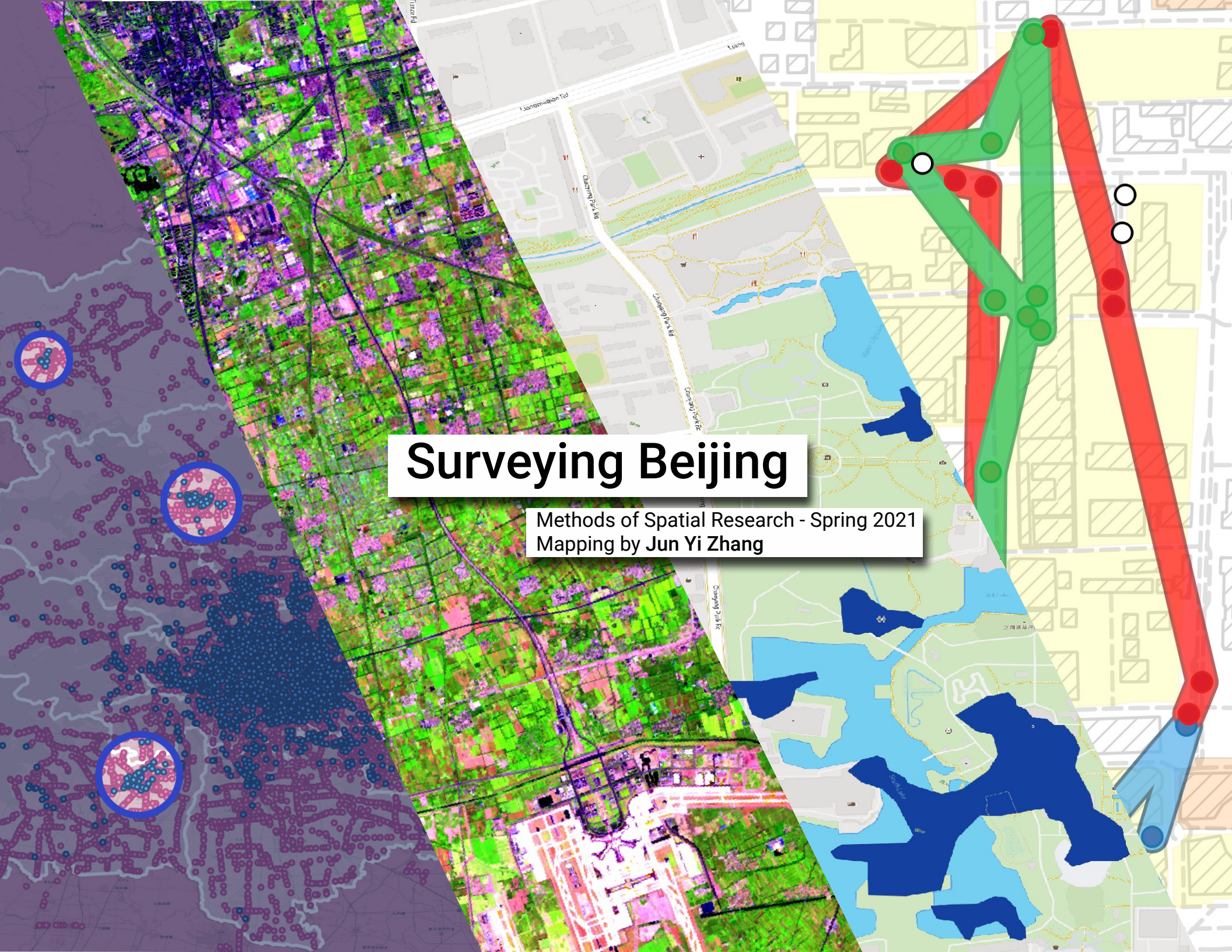
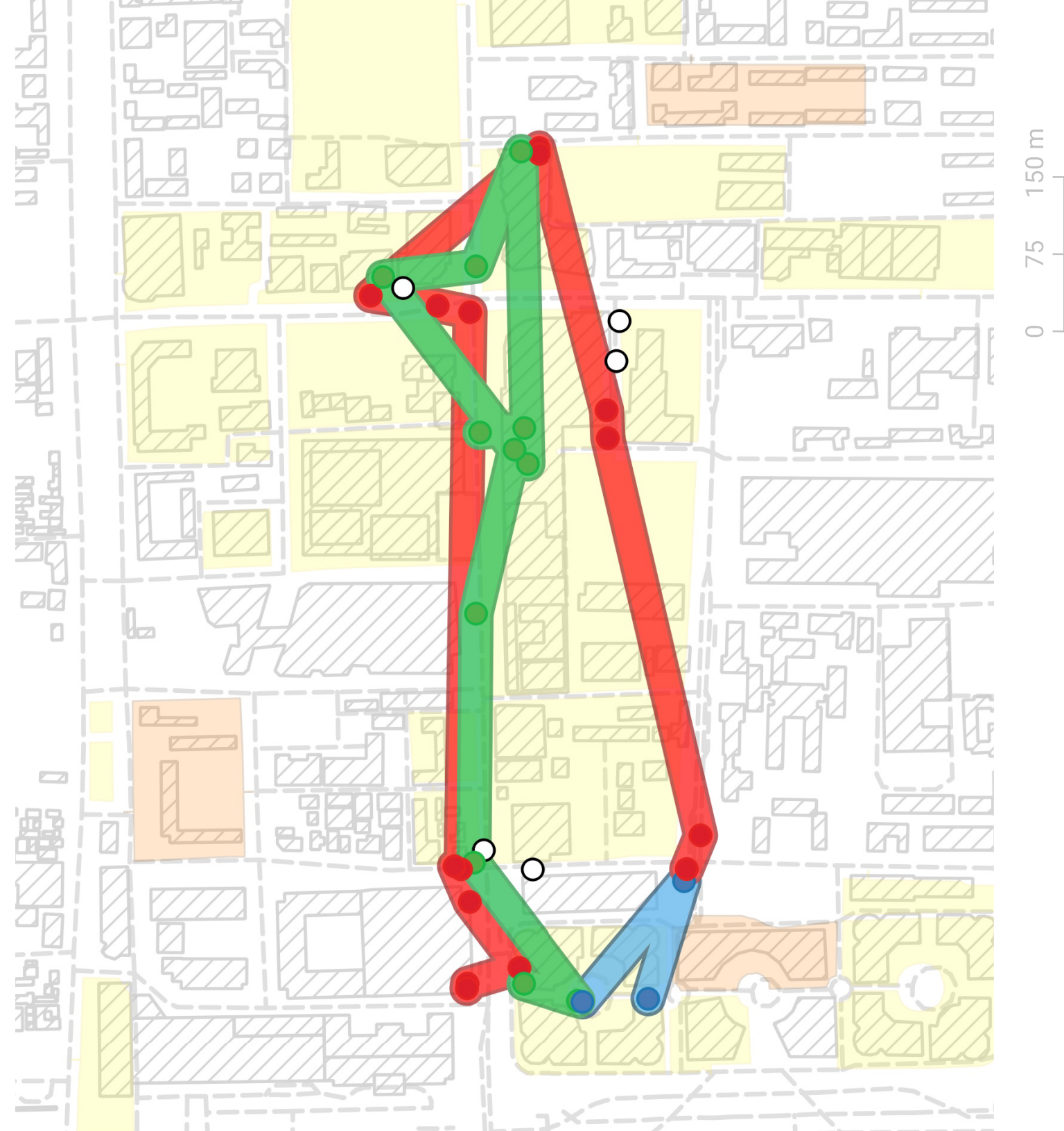




Surveying Beijing

Methods of Spatial Research - Spring 2021
Mapping by Jun Yi Zhang



- Roads
- Buildings
- Idle
- On Scooter
- Running
- Walking
- On Scooter
- Running
- Walking
- Commercial
- Residential

Food Delivery Workers in Wangfujing

Colored points indicate the location and motion of different delivery workers during a workday lunch hour. Their locations are connected by colored paths to mimic their distanced journeys and to illustrate the transient nature of their labor.

EPSG4555

Data collected Jan 31, 2021 using Epicollect5.

Additional data from OpenStreetMap & Ying Long, Pai Li, Jingxuan Hou. "Three-Dimensional urban form at the street block level for major cities in China." *Shanghai Urban Planning Review*, 2019(3): 10-15.



0 2.5 5 km



September 2015.
Five months before Airport
was commissioned.



September 2019.
Airport completed.



Natural



Manmade

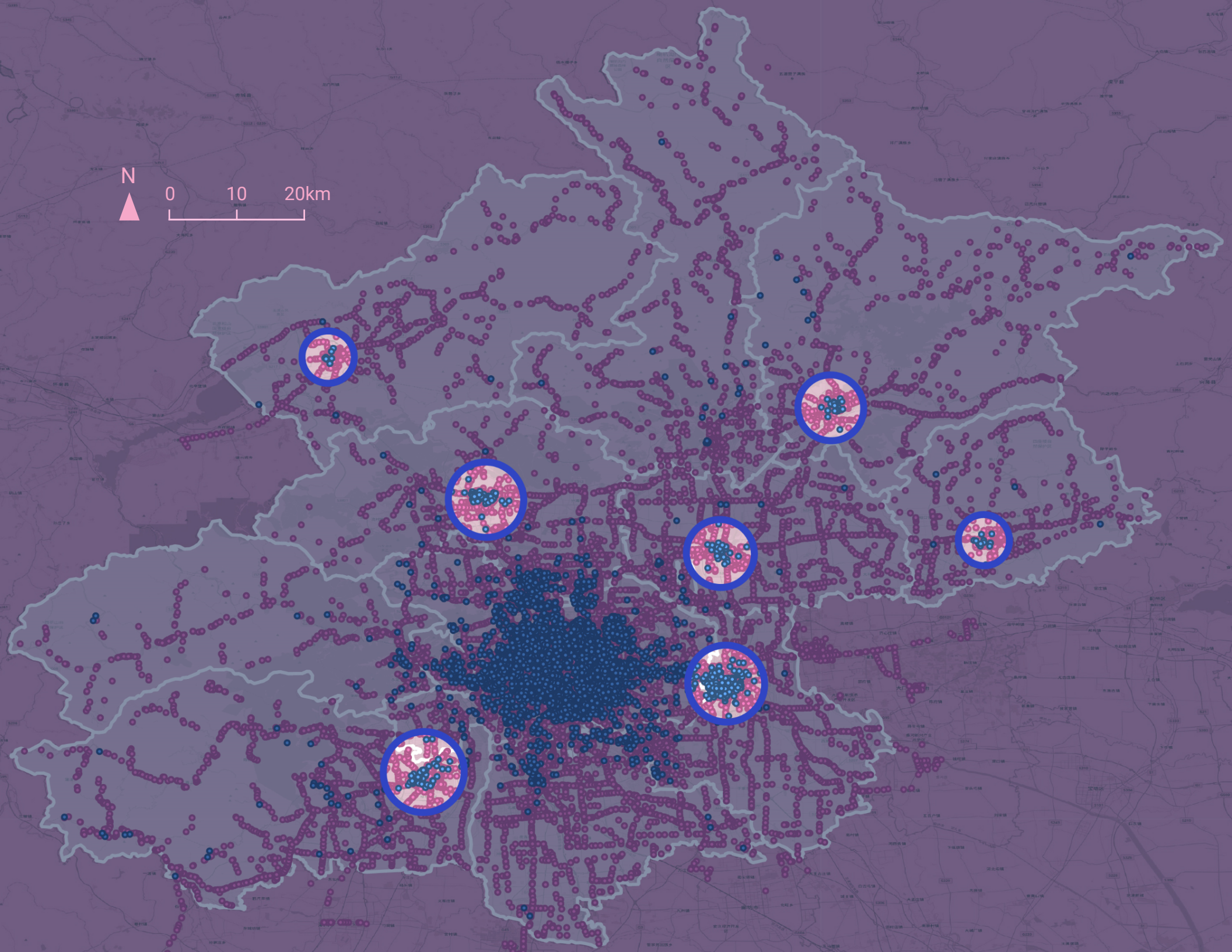
The New Daxing Airport between Beijing and Langfang

The construction of Beijing's second airport was not seen with accelerated urban development between the new transportation hub and its two neighboring counties. Will businesses and residents eventually expand towards the new airport, which offers cheaper and more domestic flights than the old airport?

EPSG4555

Satellite data:
United States Geological Survey. "LC08_L2SP_123032_20150907_20200908_02_T1." Earth Explorer. September 7 2015. <https://earthexplorer.usgs.gov/>

United States Geological Survey. "LC08_L2SP_123032_20190918_20200826_02_T1." Earth Explorer. September 18 2019. <https://earthexplorer.usgs.gov/>



-  Total Parking Spaces
-  Bus Stops
-  Beijing District Borders

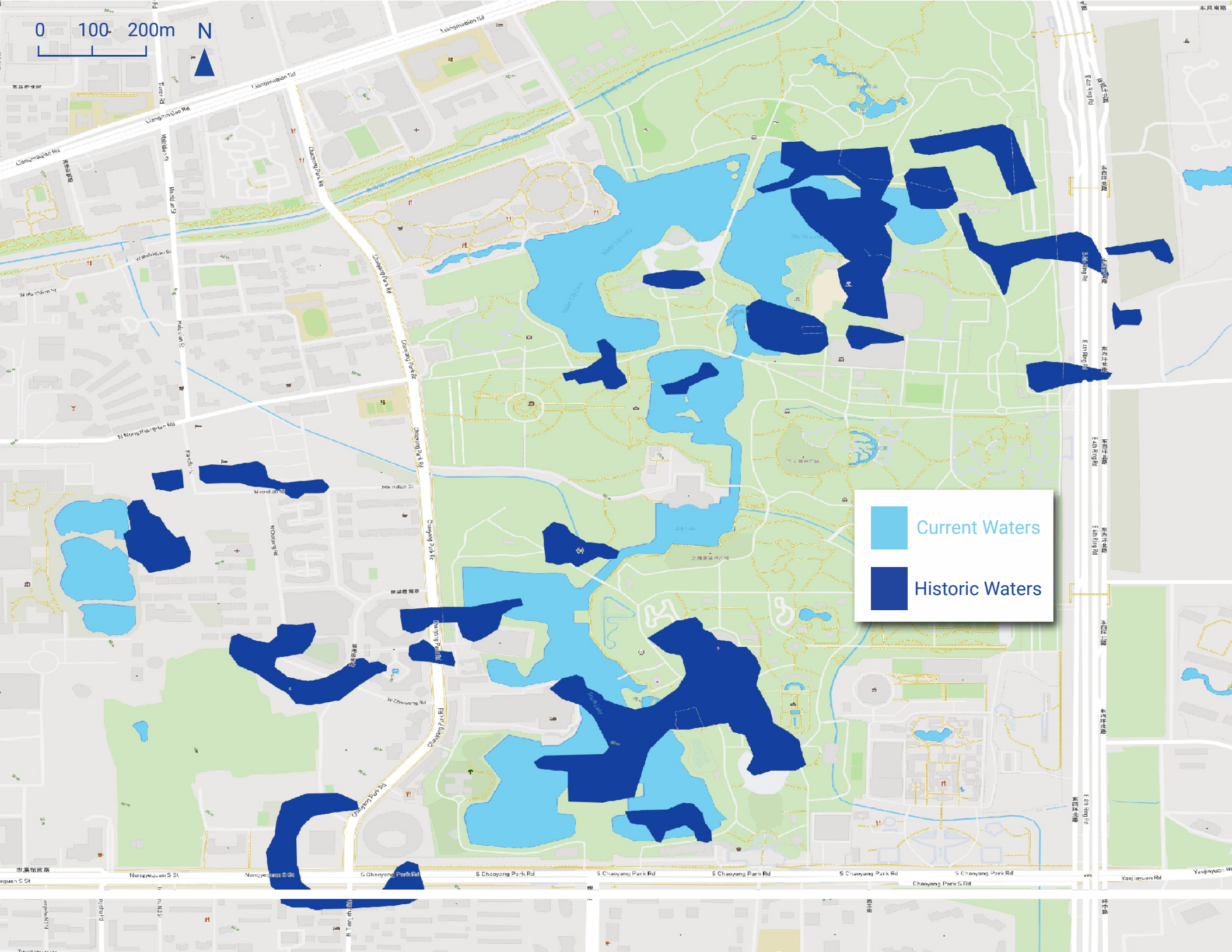
Bus Stops and Parking Spaces Outside Central Beijing

Whereas the original heat map likely obscured the density of these infrastructures, directly plotting the point locations of parking spaces and bus stops offers a more accurate sense of density. Circles on the map highlight points of aggregation of both bus stops and parking spaces in the outer districts of Beijing, suggesting a positive correlation between the two.

New Beijing: EPSG4555

District data from Gaode Maps.

Parking space data from Ying Long, Beijing City Lab 2017.
Bus stop data from Dr Jianghao Wang, Beijing City Lab 2014.



The Reshaped Waters of Chaoyang Park

The colorized base map offers a clearer depiction of the green and water areas within the current Chaoyang Park setting than the original black and white base map. The significant difference in the positions of water bodies within the park raises questions on how the current park was constructed, whether preexisting water bodies were filled up and new bodies dug, and the accuracy of the 1907 map.

ESPG 4326

Source:
Beijing City Lab, Year, Data 14 “1907 German Army Map”,
Beijing Historical Maps, <http://www.beijingcitylab.com>.

Openstreetmap further styled in Mapbox.