

FROM MOBILITY TO ACCESSIBILITY: REINVENTING CHINESE CELLULAR URBANISM

Short-distance travels viewed from Wuhan urban practices and environment

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architecture | architecture intérieure | urbanisme | paysage

From mobility to accessibility: reinventing Chinese cellular urbanism

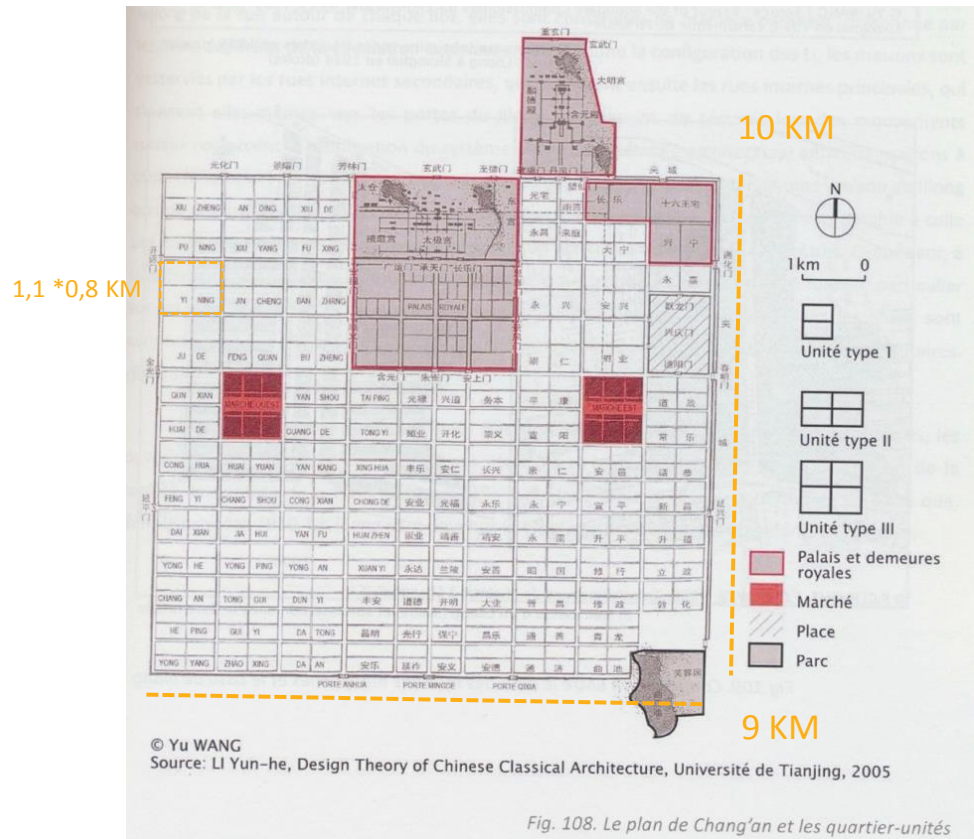
- The resilience of proximity travels thorough Wuhan development
- The rescaling of city, neighbourhoods and residential units
- The effect of city rescaling on Wuhanese people's mobility practices
- As a conclusion: prospects for planning

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CHINESE CELLULAR URBANISM

Imperial Lifang system: 2-tier system





WUHAN

武汉

Beijing
Tangshan
Shijiazhuang
Tianjin

Chengdu
Chongqing

Nanjing
Shanghai
Hangzhou

Guangzhou
Shenzhen
Hongkong
Macau

CHINESE CELLULAR URBANISM

The work-unit system – 1960-1970

Wuhan Steelwork Company
Neighbourhood planning



CHINESE CELLULAR URBANISM

The economic zone system – contemporary period

Dongfeng Company
Neighbourhood planning



08/12/2016

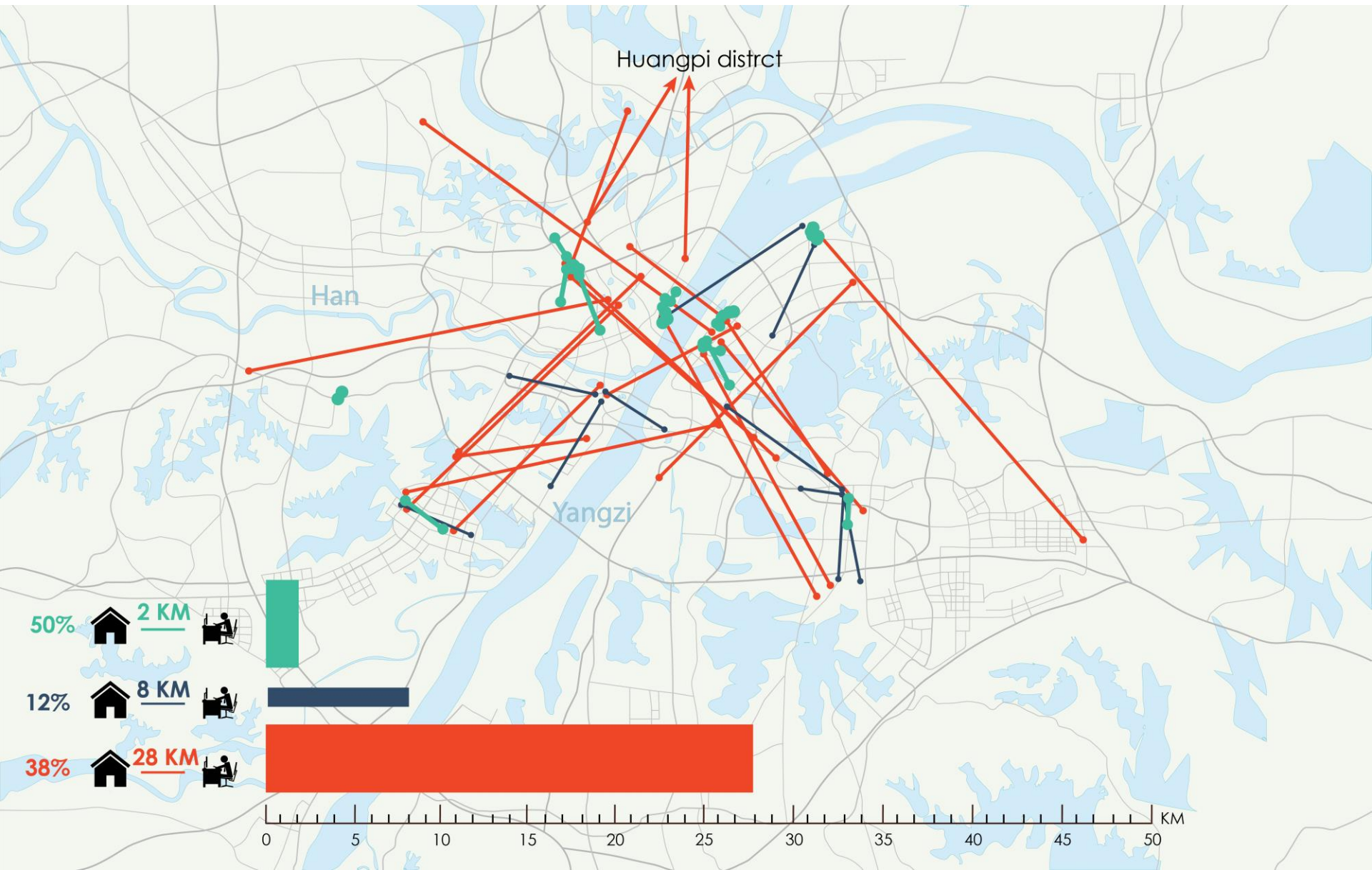
0 5 Km

CHINESE CELLULAR URBANISM

What has changed ?

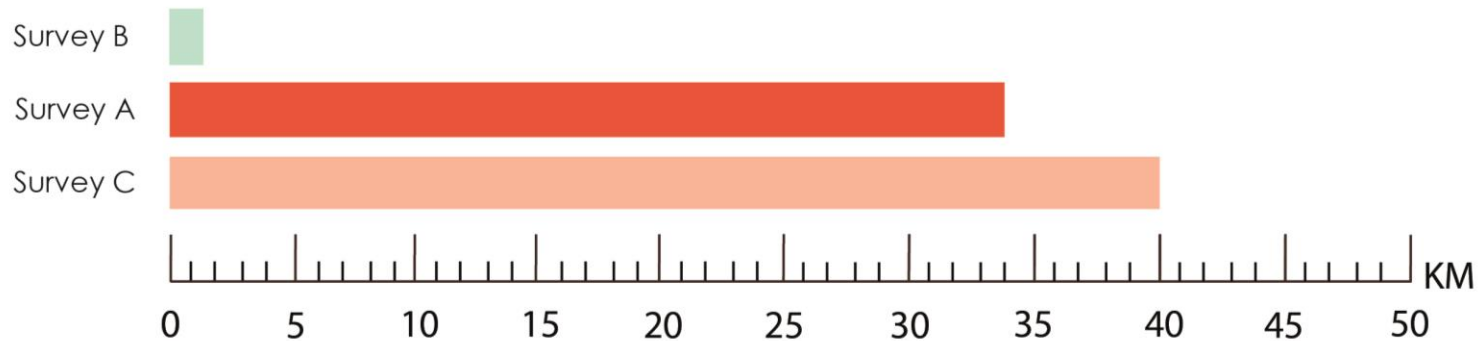
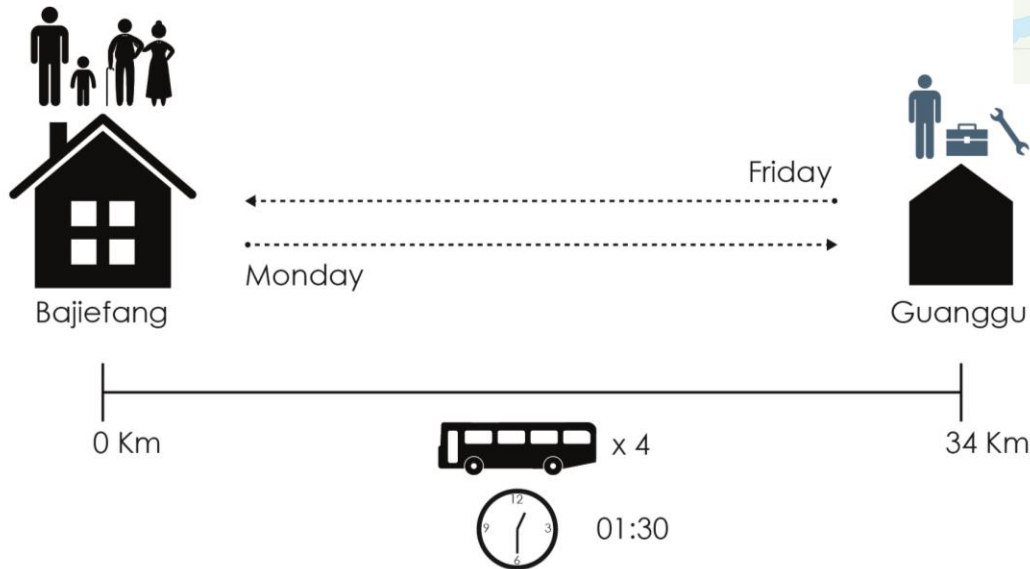
CHINESE CELLULAR URBANISM

Resilience of short-distance and emergence of long-distance



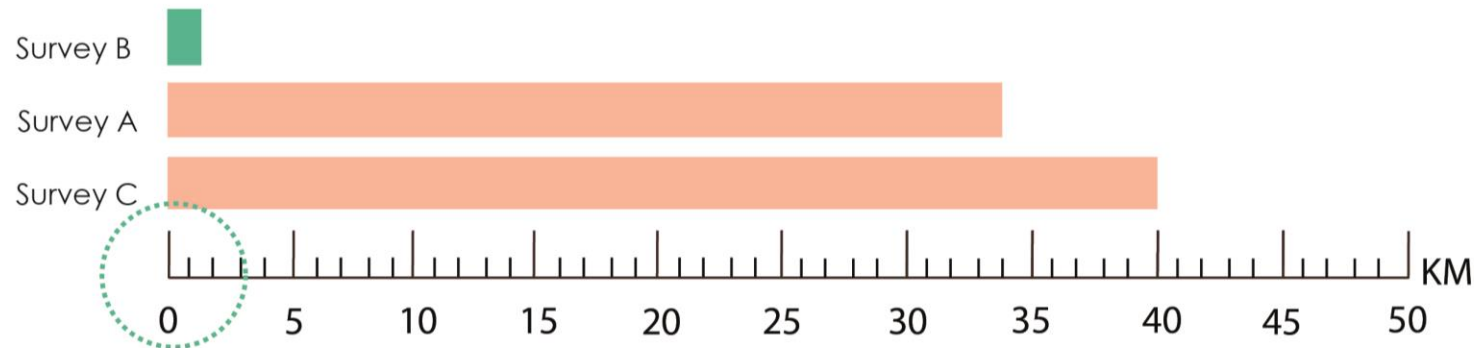
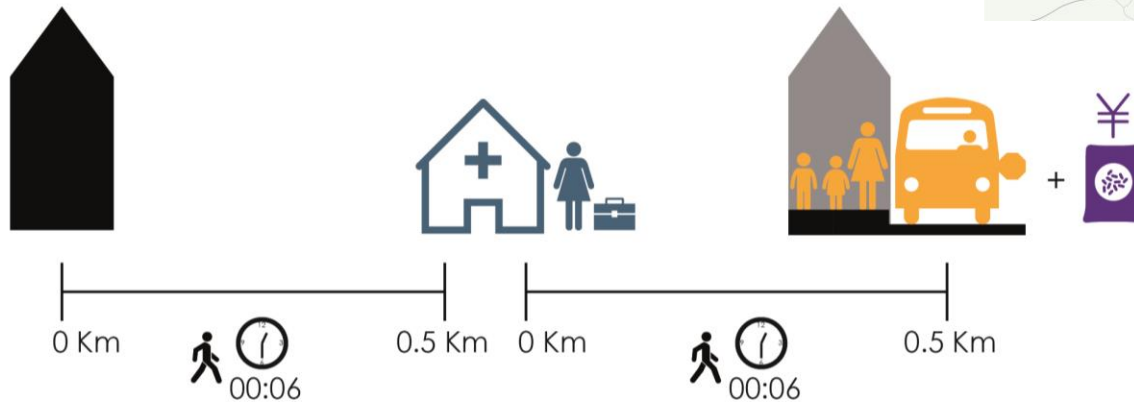
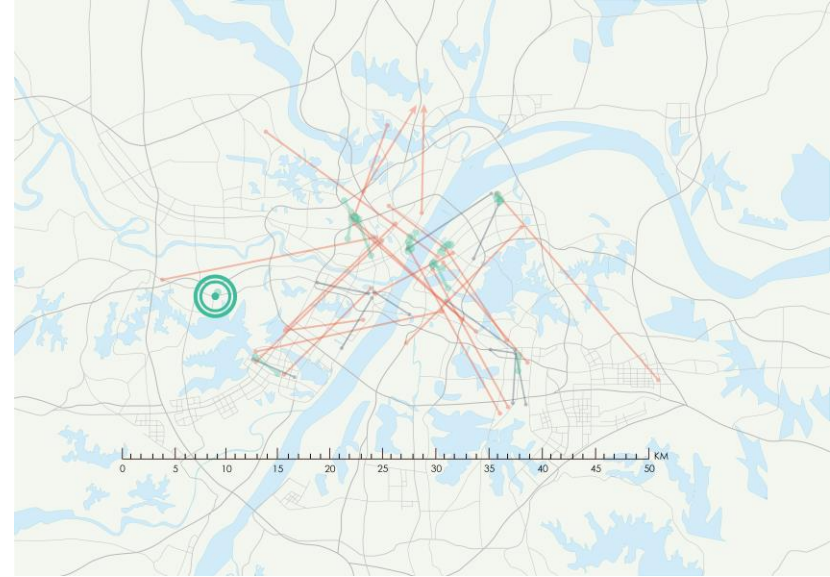
SURVEY A

Take advantage of the urban transition



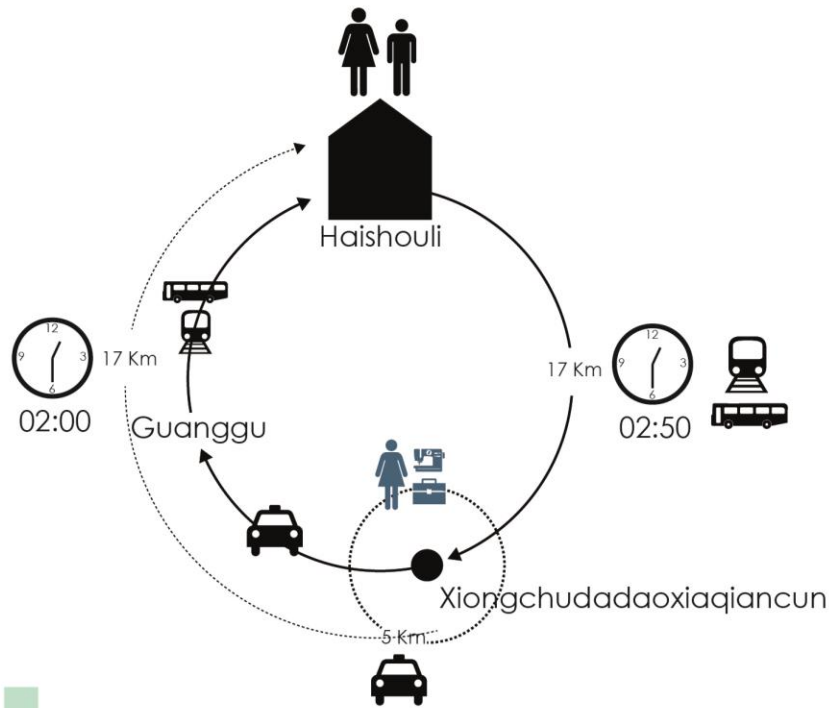
SURVEY B

Living around the residential unit



SURVEY C

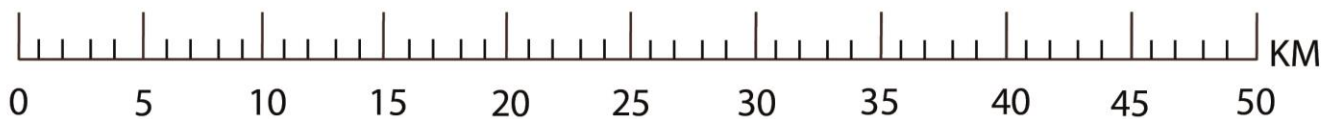
Struggling with the city



Survey B

Survey A

Survey C

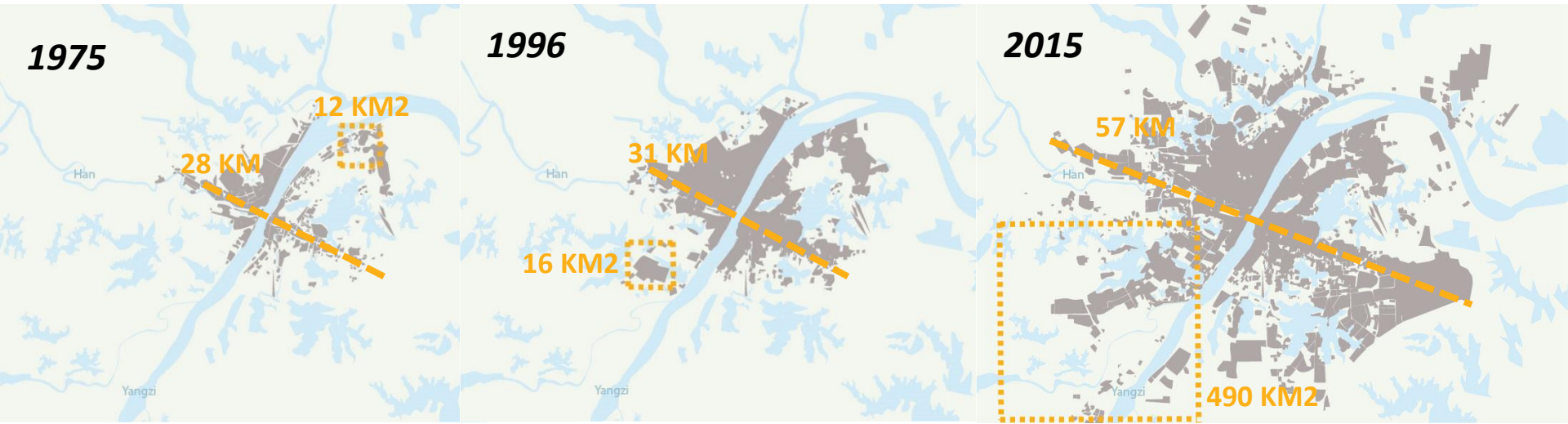


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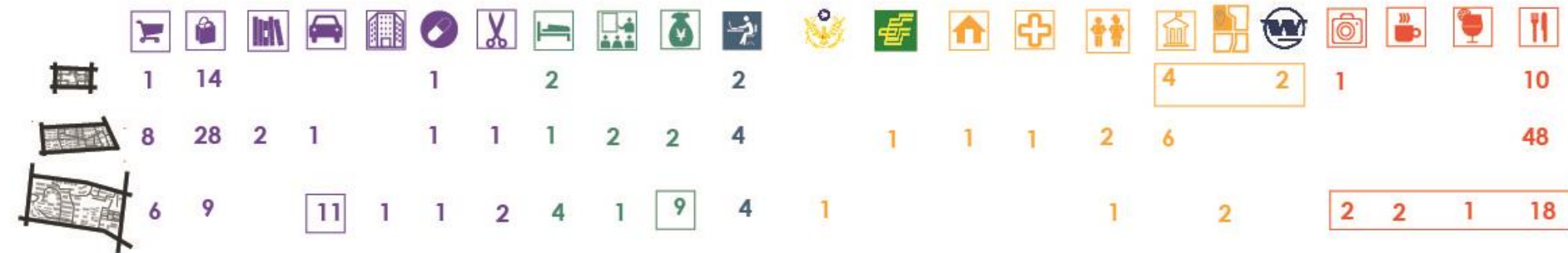
City, neighbourhood and residential units rescaling



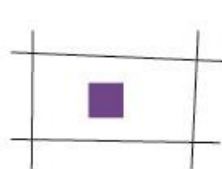
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City, neighbourhood and residential units rescaling

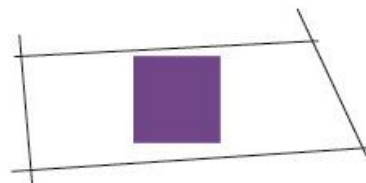
Activities in residential units



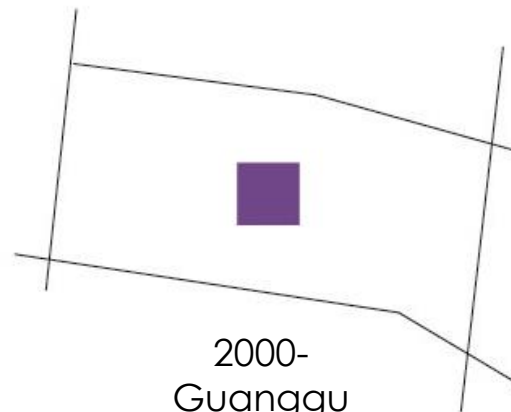
Commercial density



1950-1960
Qingshan



1980-1990
Hankou



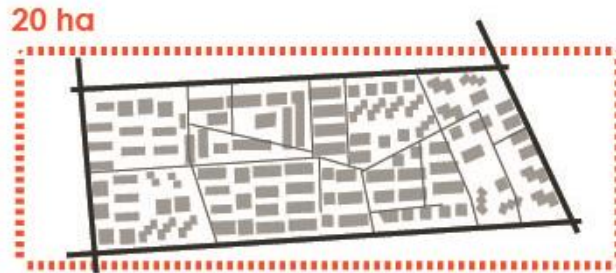
2000-
Guanggu

CHINESE CELLULAR URBANISM

City, neighbourhood and residential units rescaling



1950-1960
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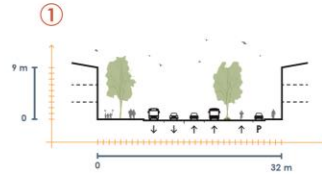
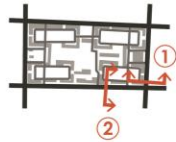


2000-
Guanggu

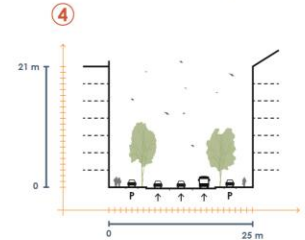
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City, neighbourhood and residential units rescaling

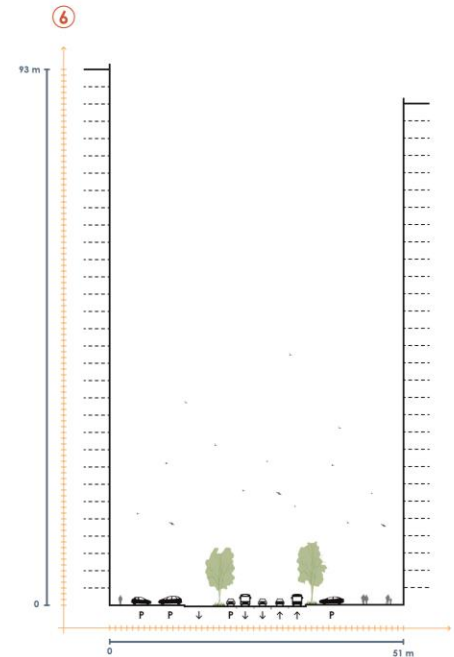
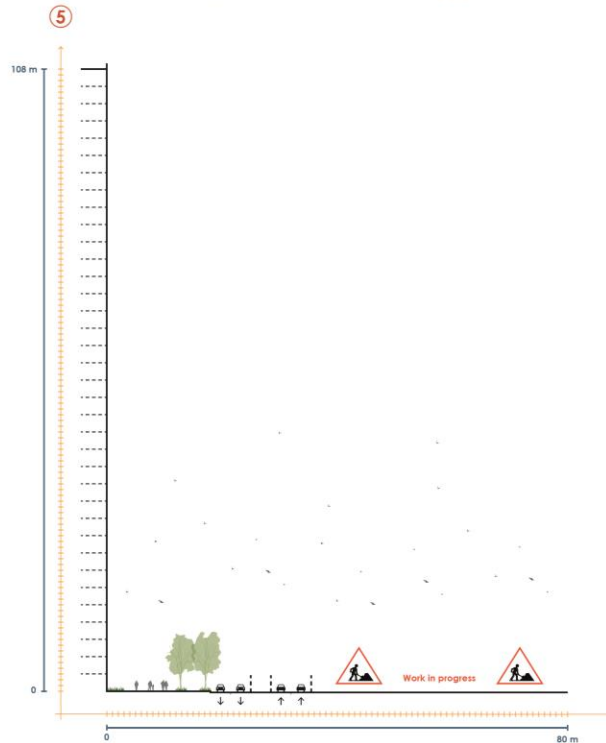
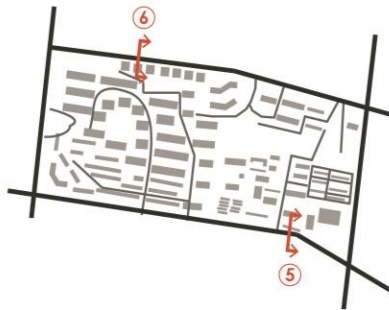
1950-1960
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1980-1990
Hankou



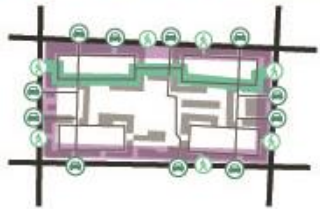
2000-
Guanggu



CHINESE CELLULAR URBANISM

City, neighbourhood and residential units rescaling

🚶 = 400 m (5 minutes)



8 🚶 11 🚗 0 🚗 0

1950-1960
Qingshan

🚶 = 700 m (8 minutes)



2 🚶 6 🚗 2 🚗

1980-1990
Hankou

🚶 = 1 km (15 minutes)



0 🚶 0 🚗 2 🚗

2000-
Guanggu



CHINESE CELLULAR URBANISM

- *What has changed ?*
- ...**Super-sized city for same-sized human !**

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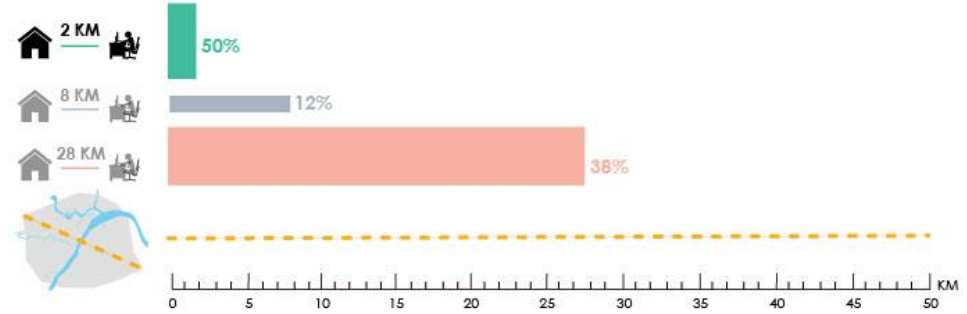
CONSTRAINED MOBILITY

Minimizing the number of journeys

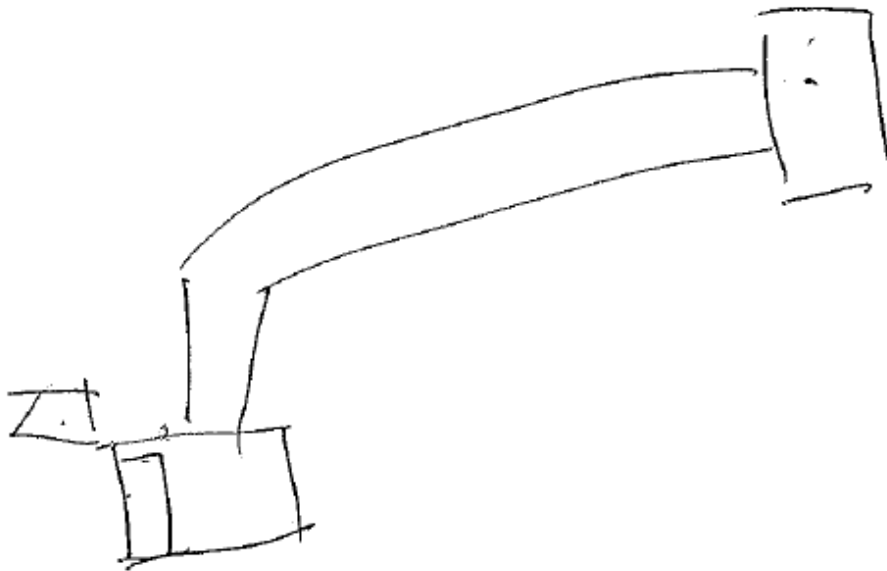
- **3,2** trips a day (vs. 3,7 in Nantes, France)
- **A third** of surveyed people didn't go out the day before the survey
- First daily trip **> 30 min = less than 3 trips** a day

CONSTRAINED MOBILITY

The « tunnel effect » – survey D



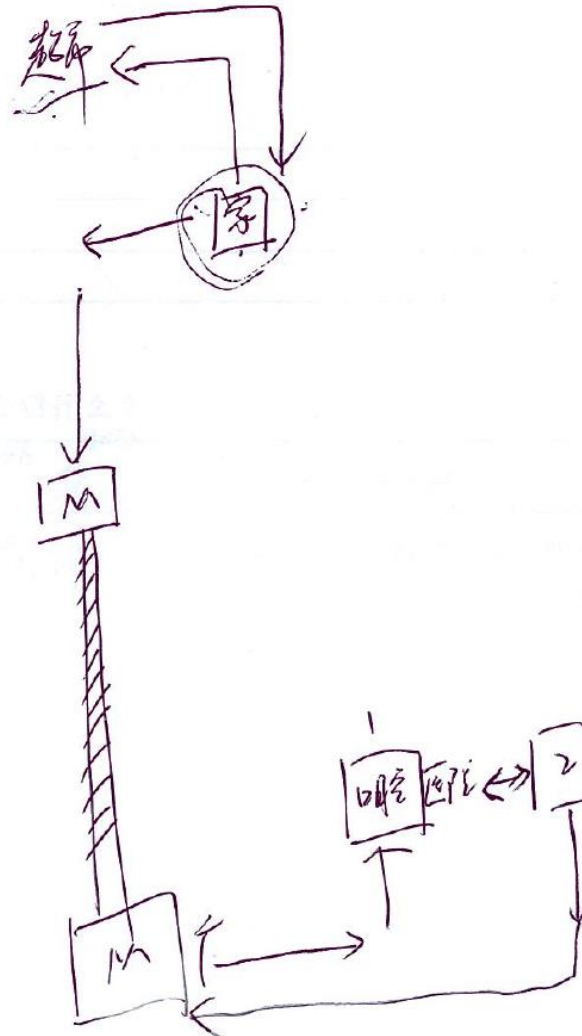
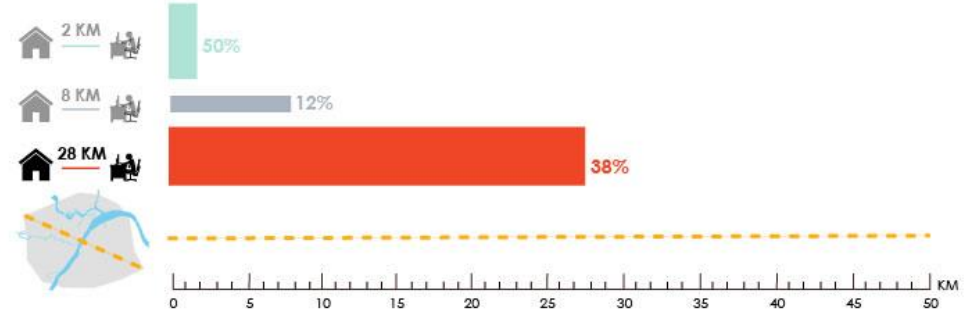
请绘制昨日出行路线



CONSTRAINED MOBILITY

The « tunnel effect » – Survey E

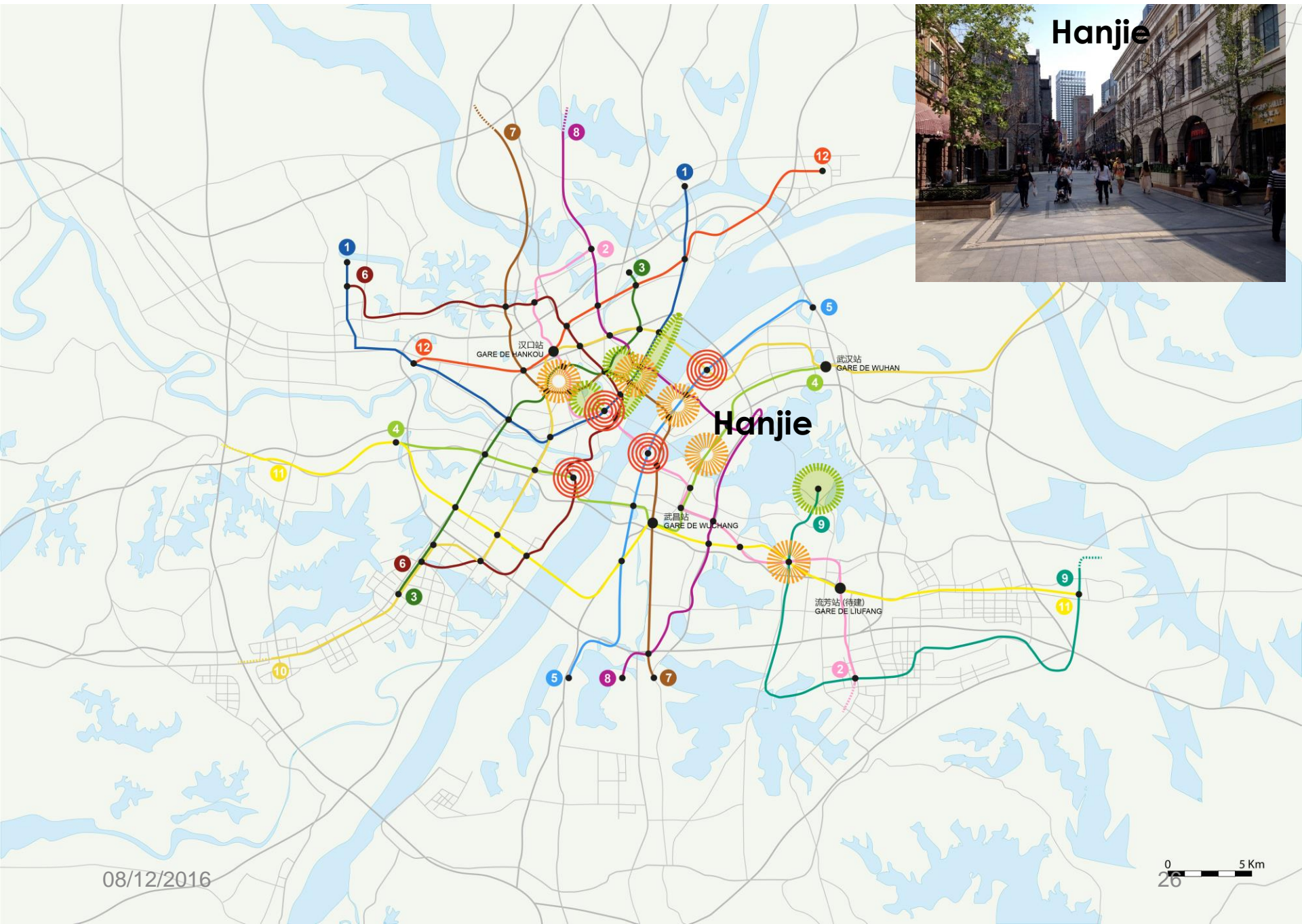
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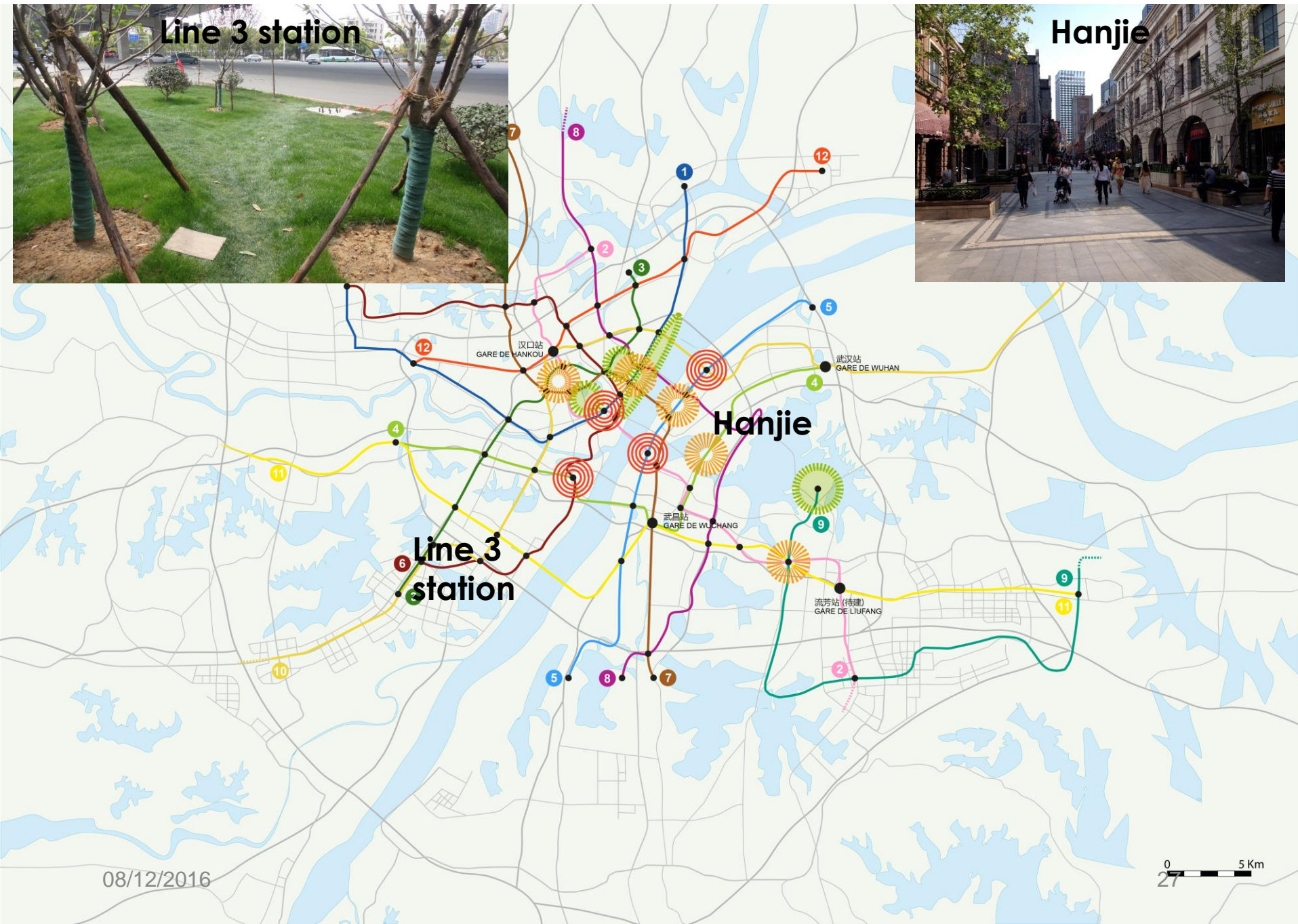
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Line 3 station

Hanjie

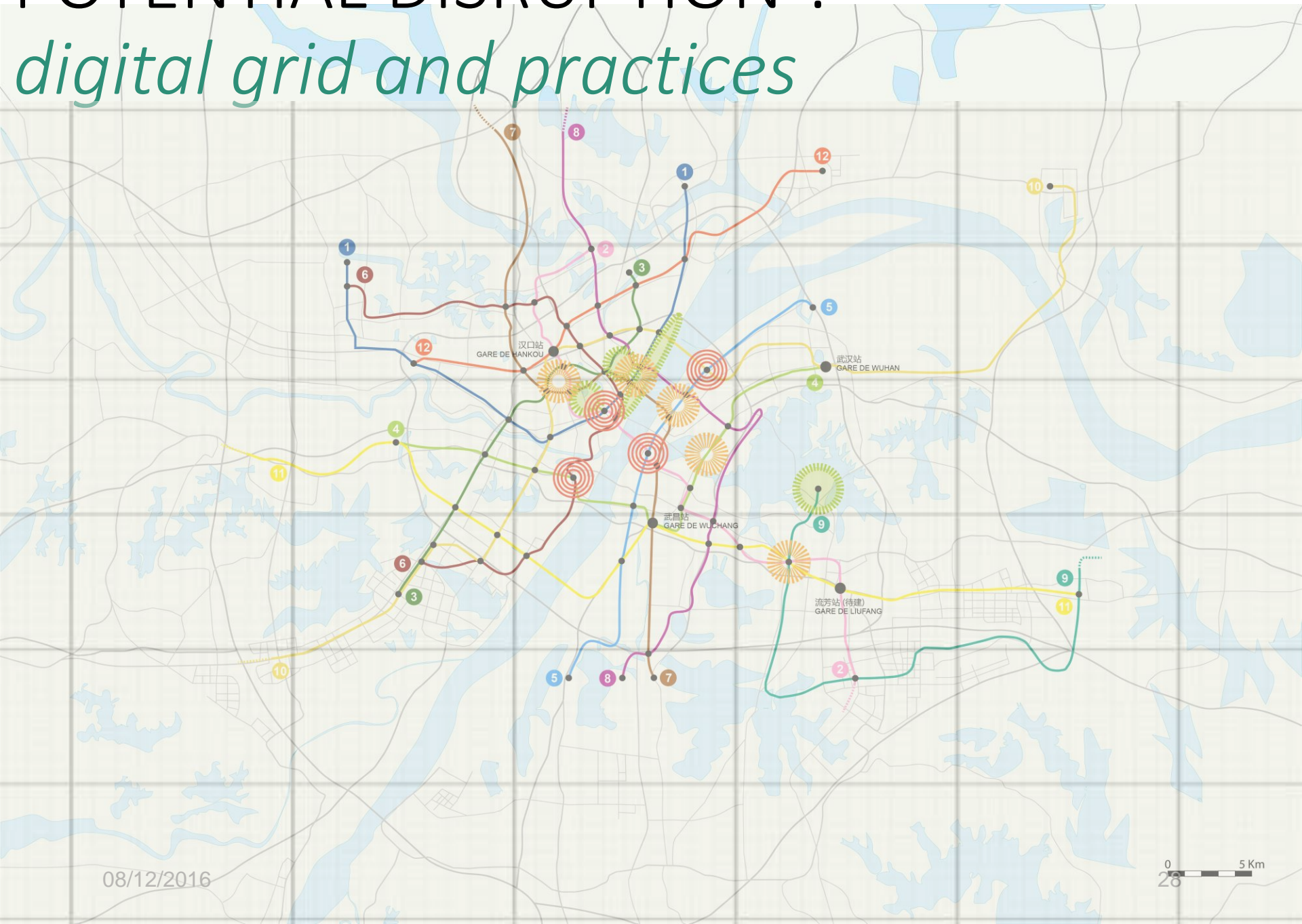


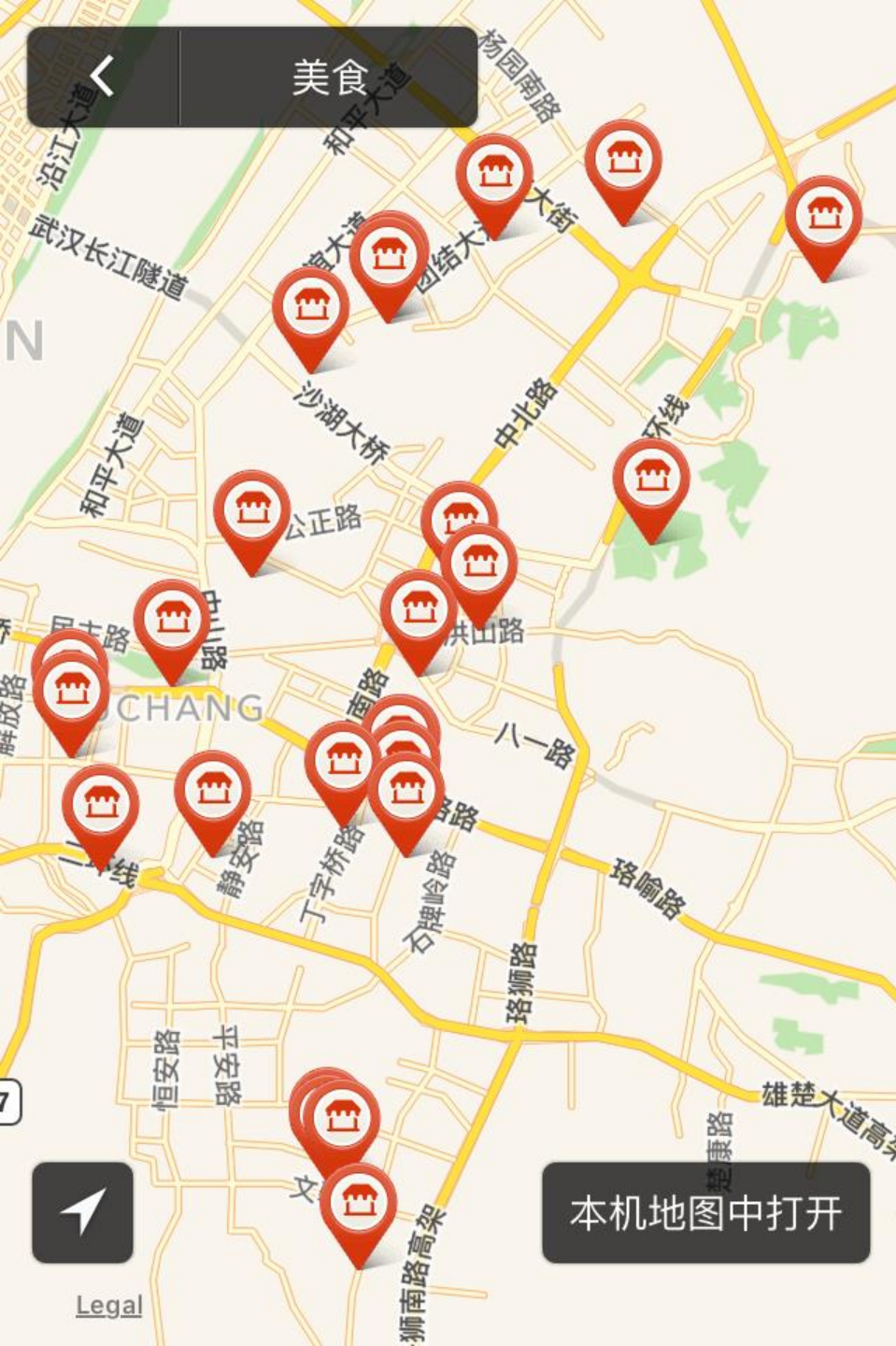
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0 5 Km
27

POTENTIAL DISRUPTION ?

digital grid and practices





THANKS ! 谢谢 !

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