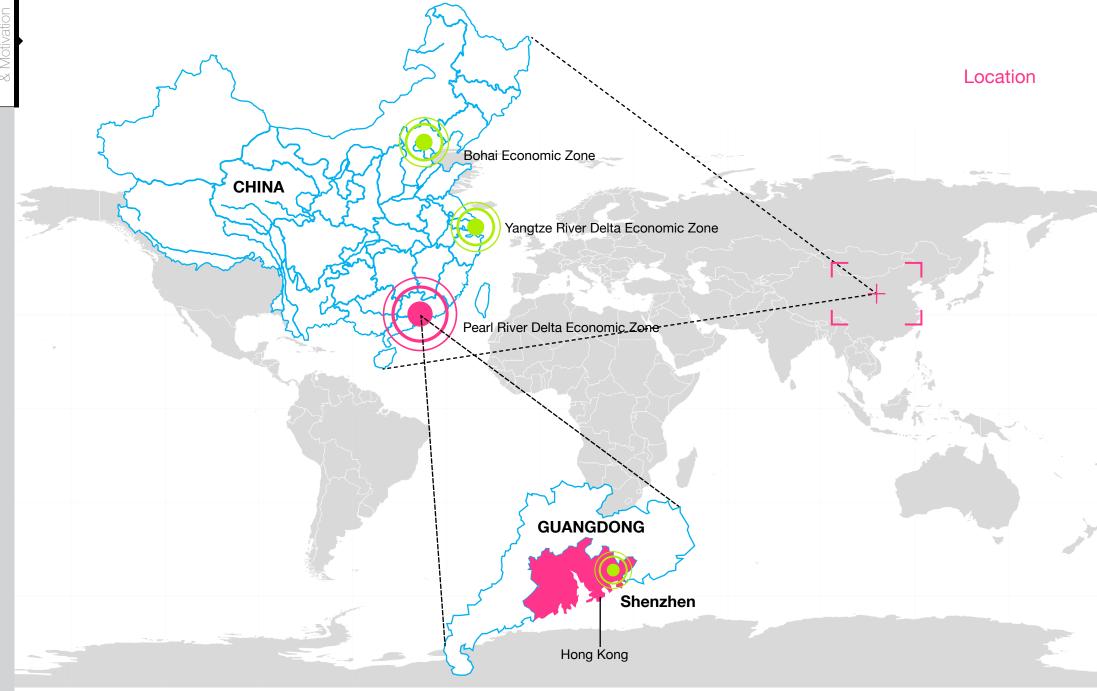


Contents

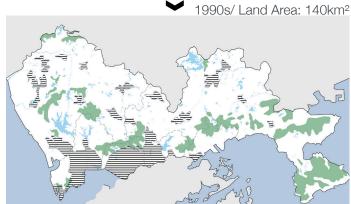
- I. Background & Motivation
- II. Problem Diagnosis
- III. Methodology
- IV. Theoretical Framework
- V. Strategy & Intervention
- VI. Conclustion & Reflection

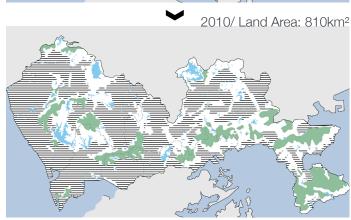




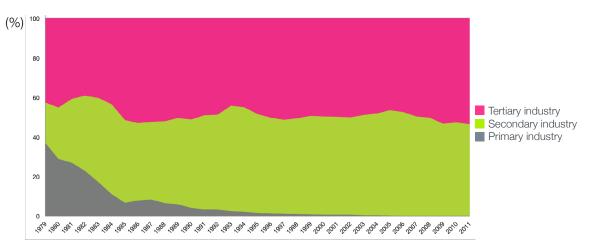
Spatial sprawl



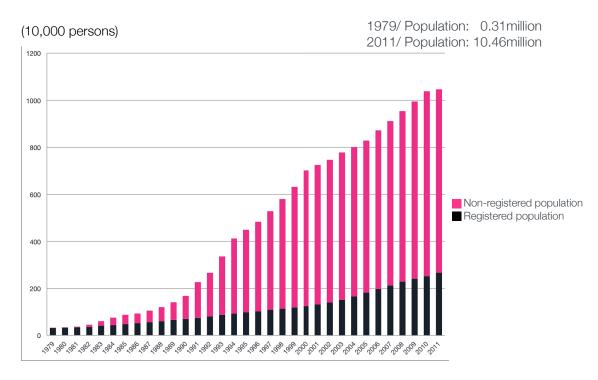




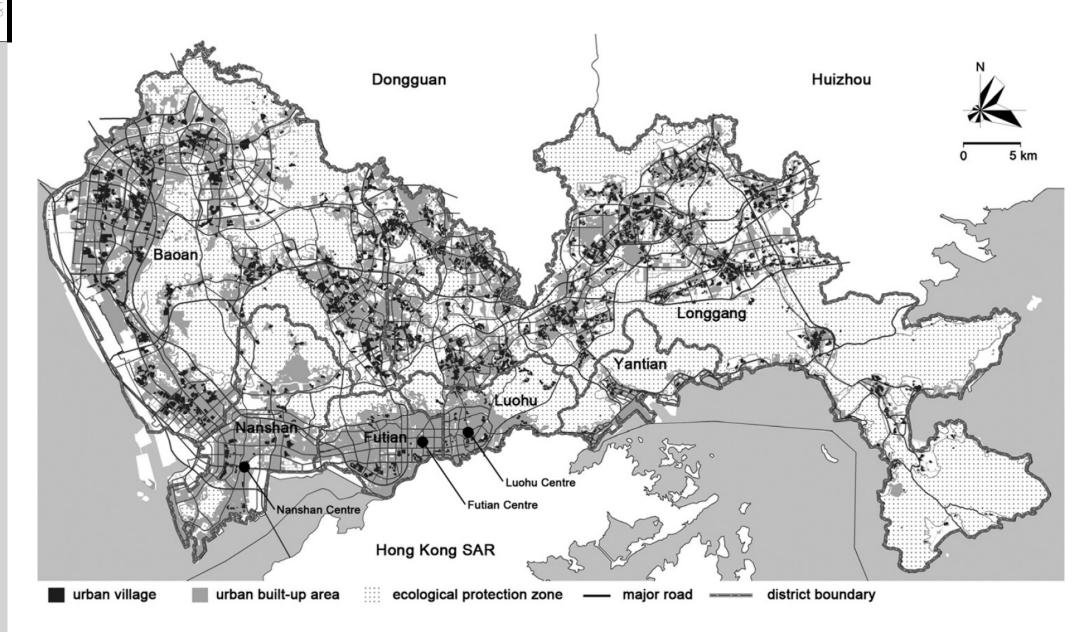
Economic restructuring



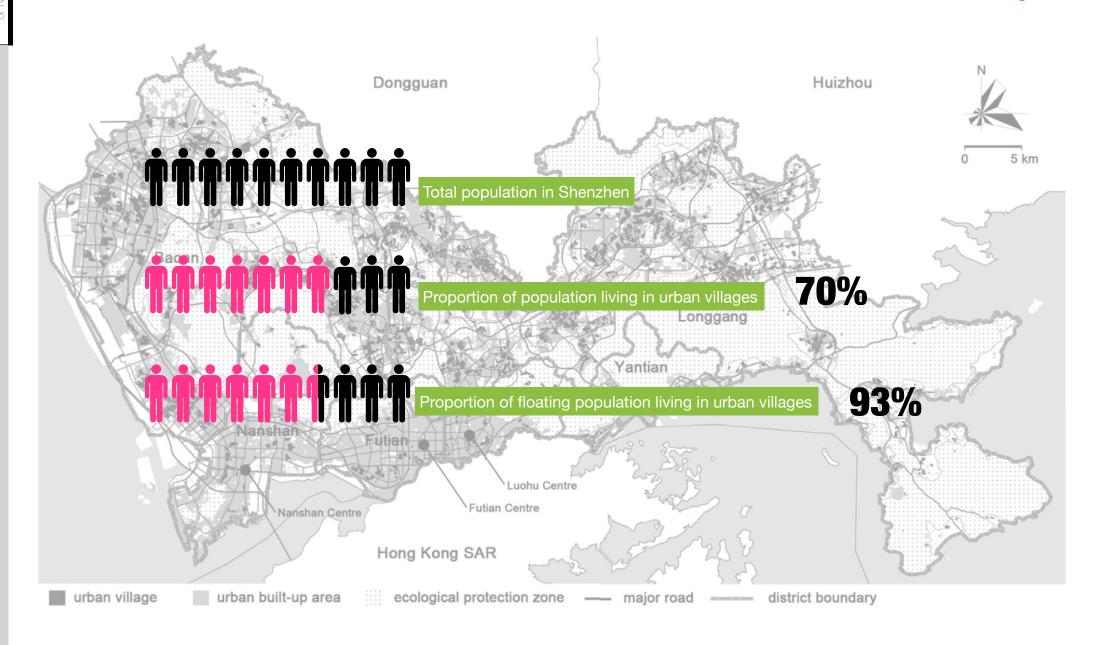
Population growth



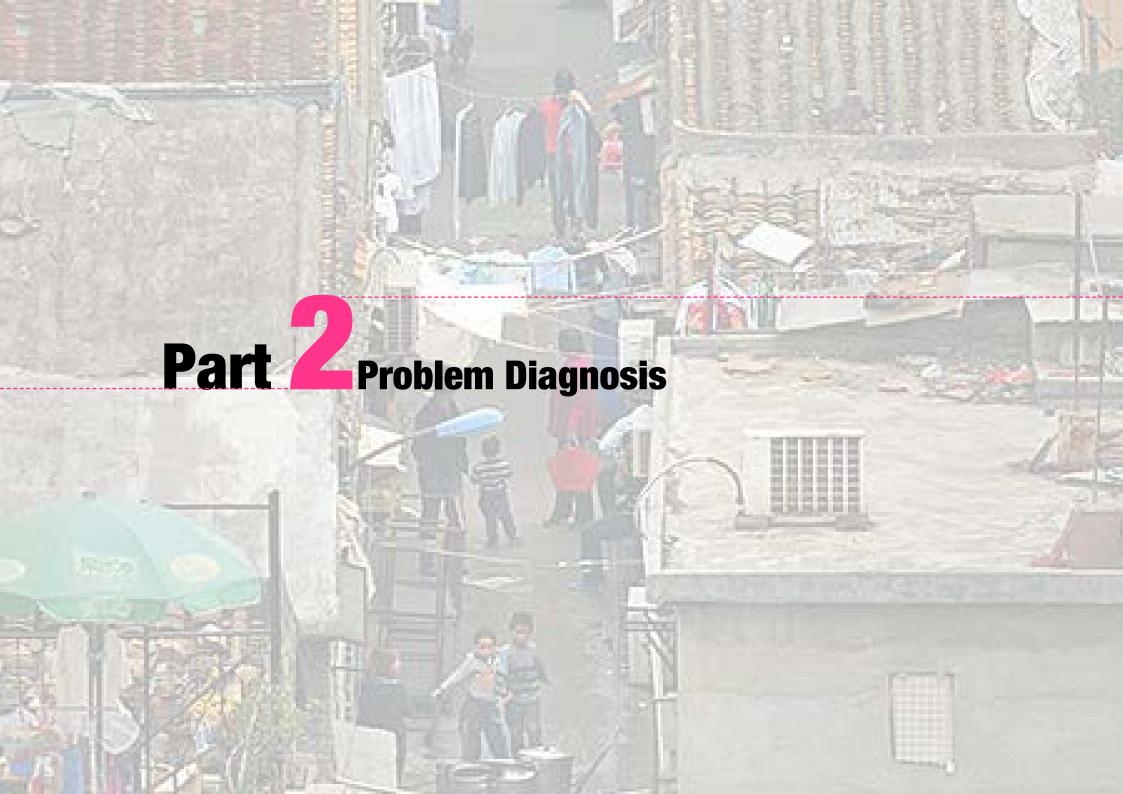
Distinct urban fabric---urban villages

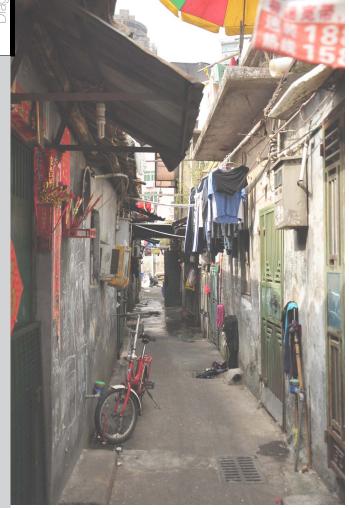


Distinct urban fabric---urban villages



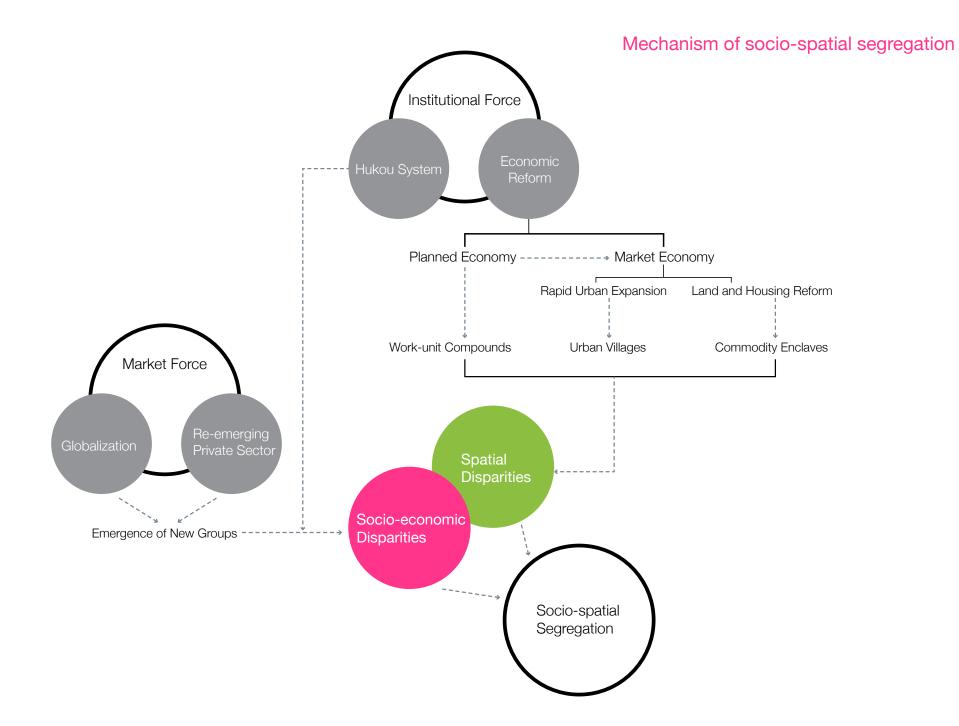


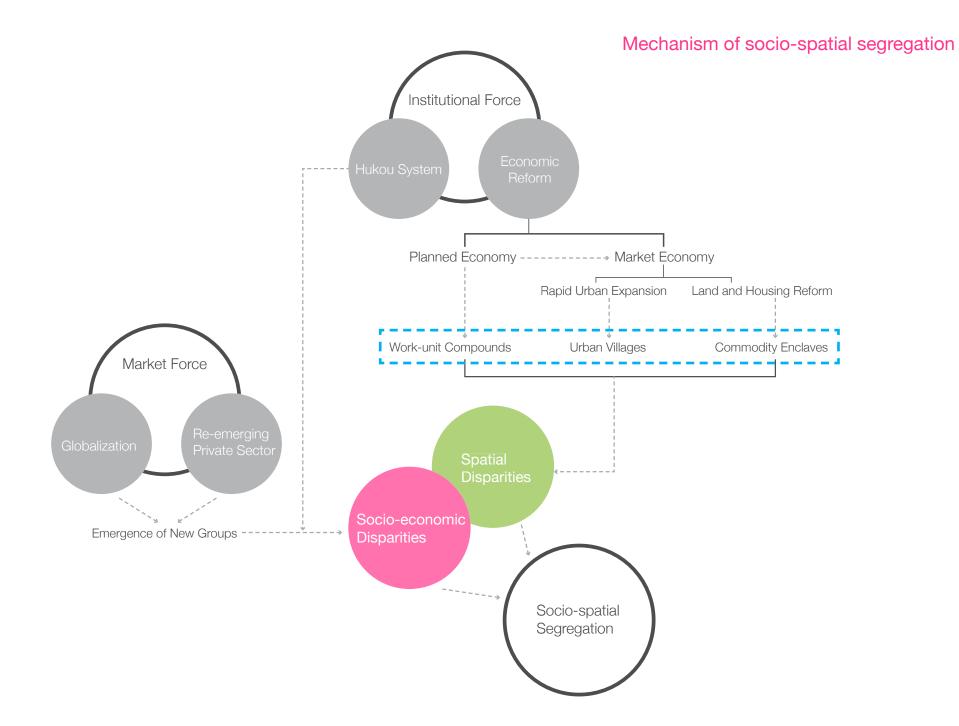




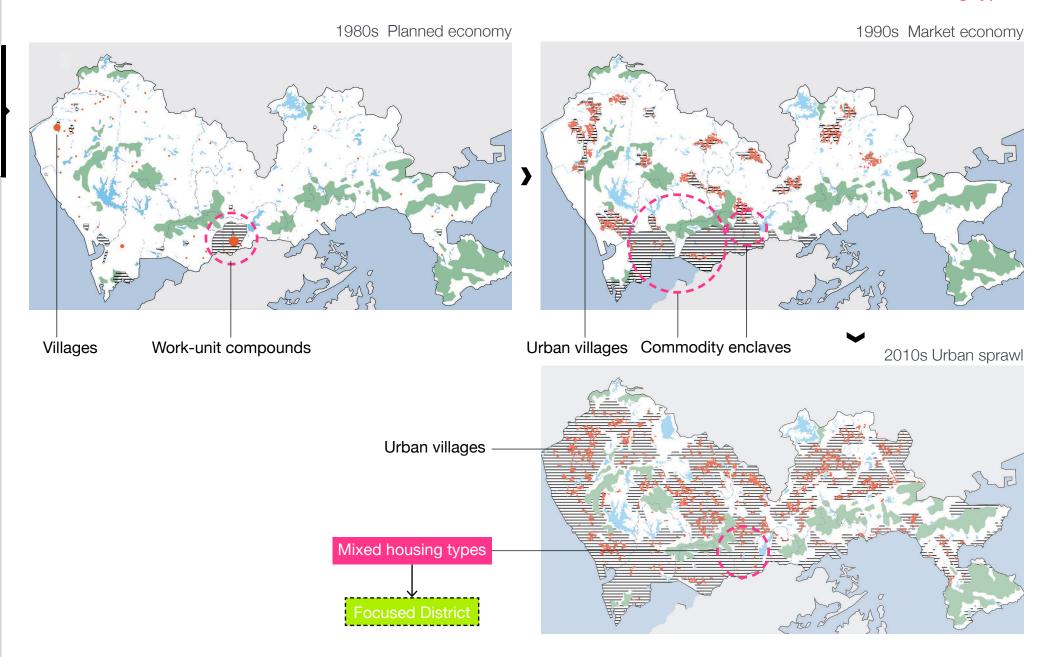




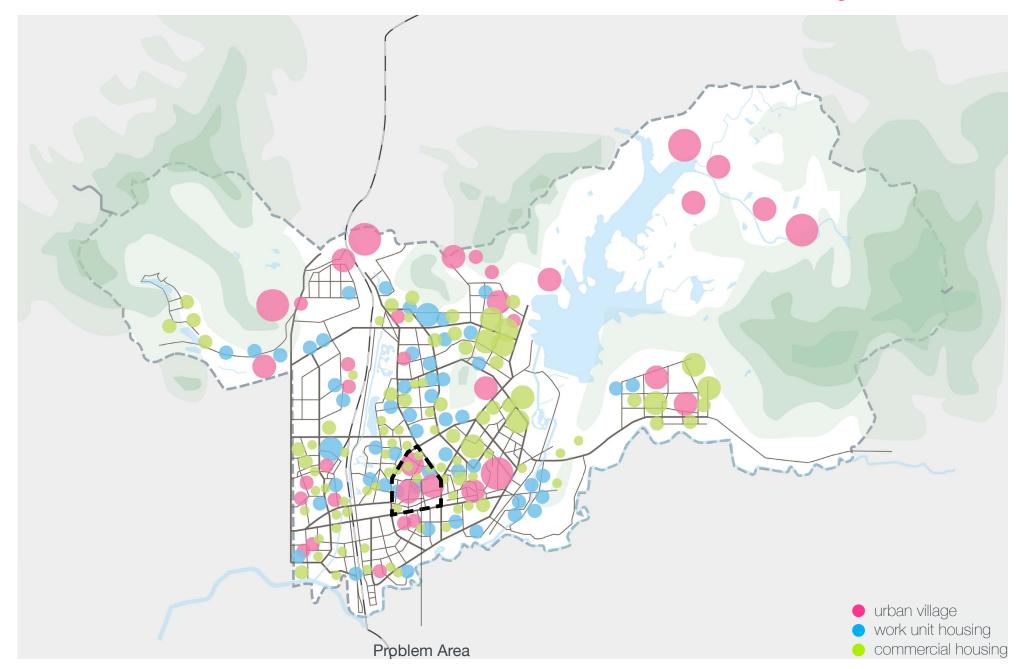


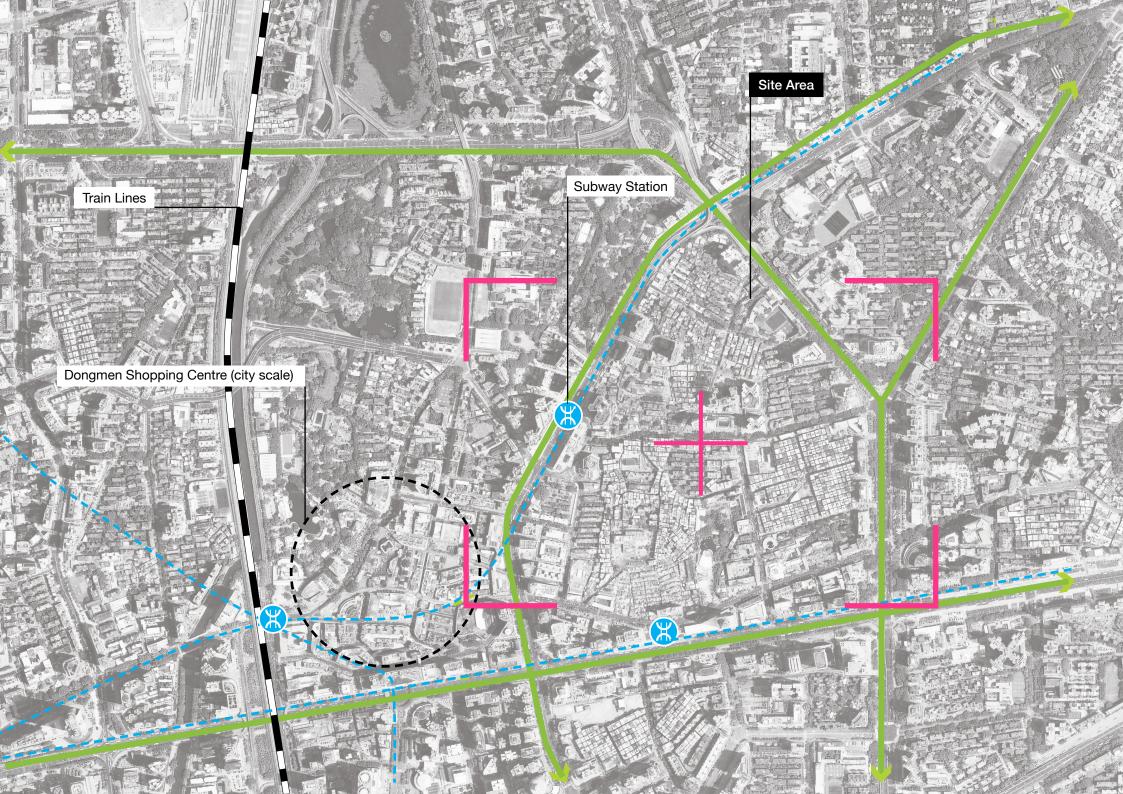


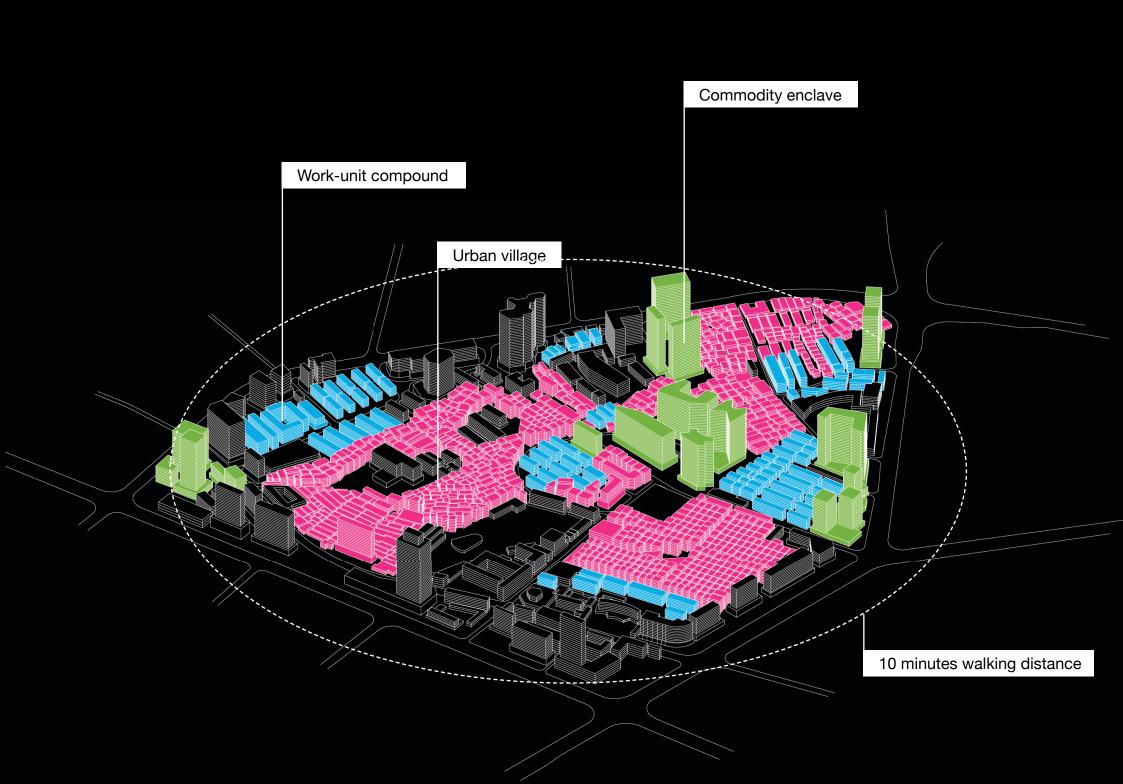
Distribution of different housing types

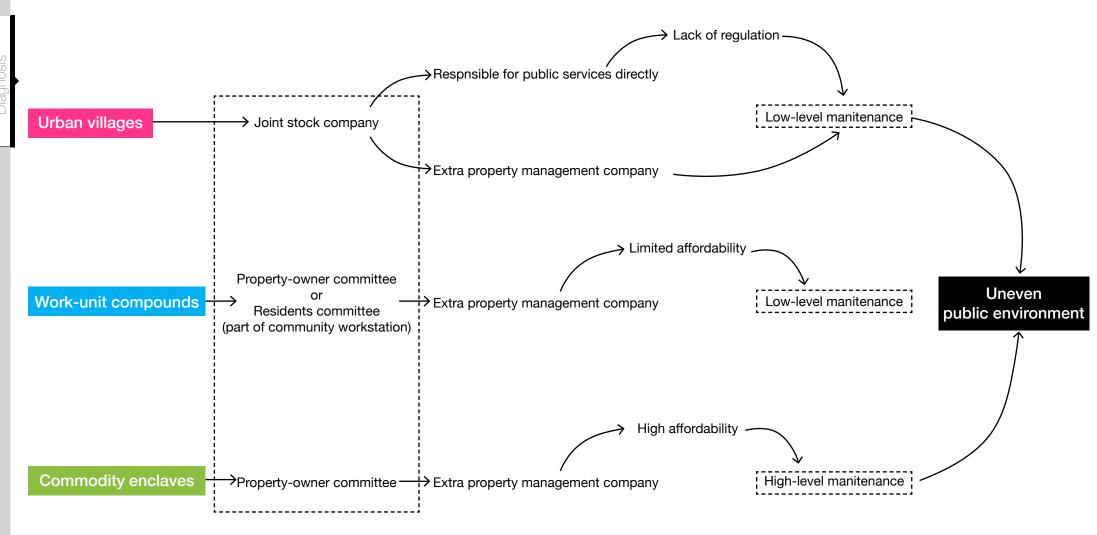


District scale---neighbourhood scale







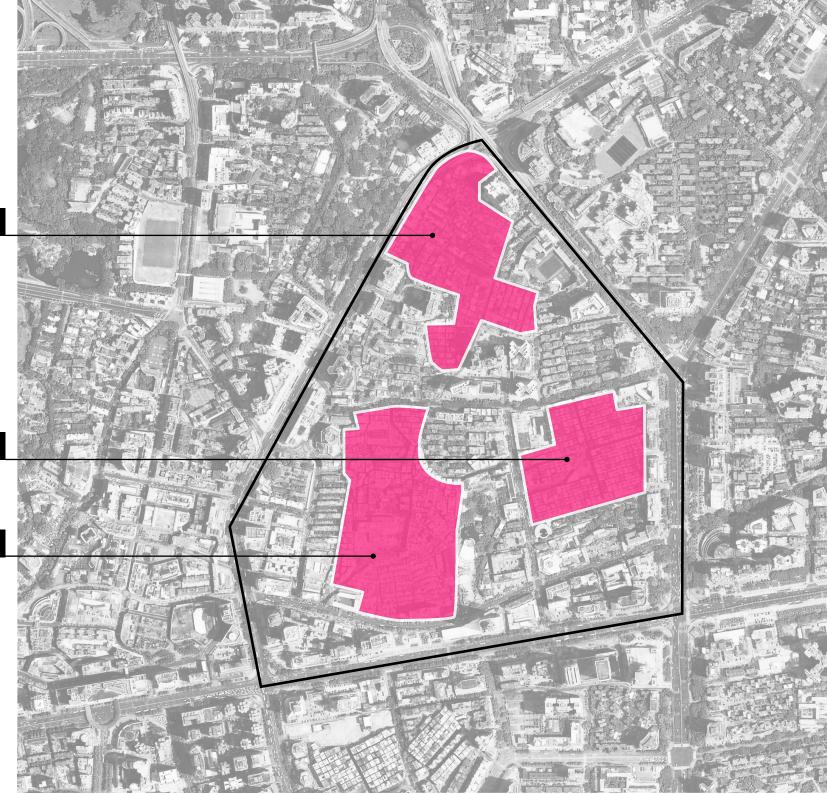


Urban villages

800~900 CNY/ one-bedroom

800~900 CNY/ one-bedroom

400~500 CNY/ one-bedroom



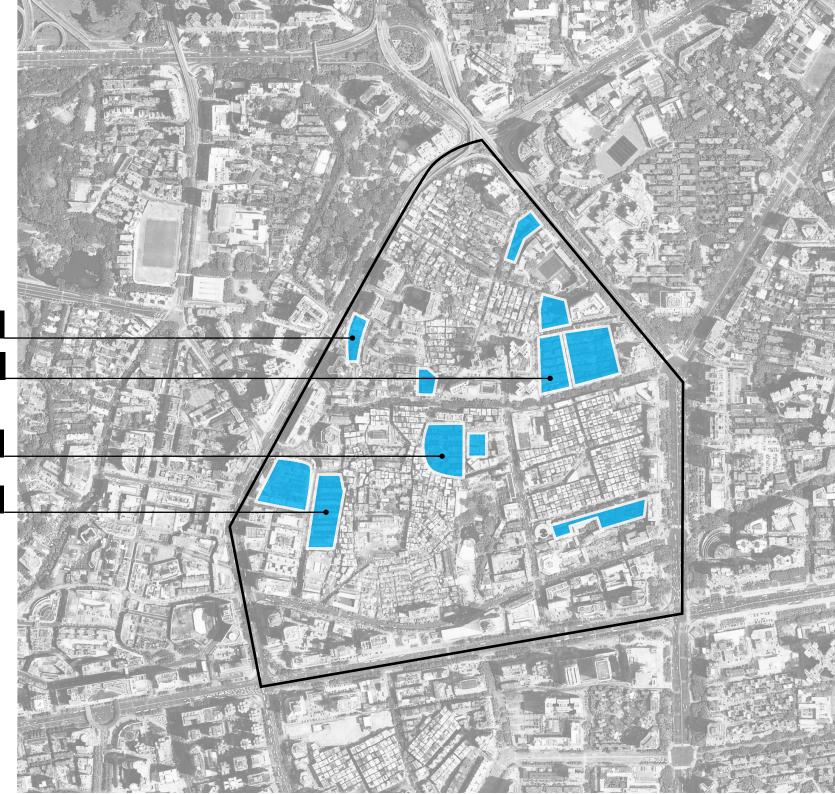
Work-unit compounds

1700 CNY/one-bedroom

1300~1500 CNY/one-bedroom

800~1200 CNY/one -bedroom

1000~1200CNY/one-bedroom



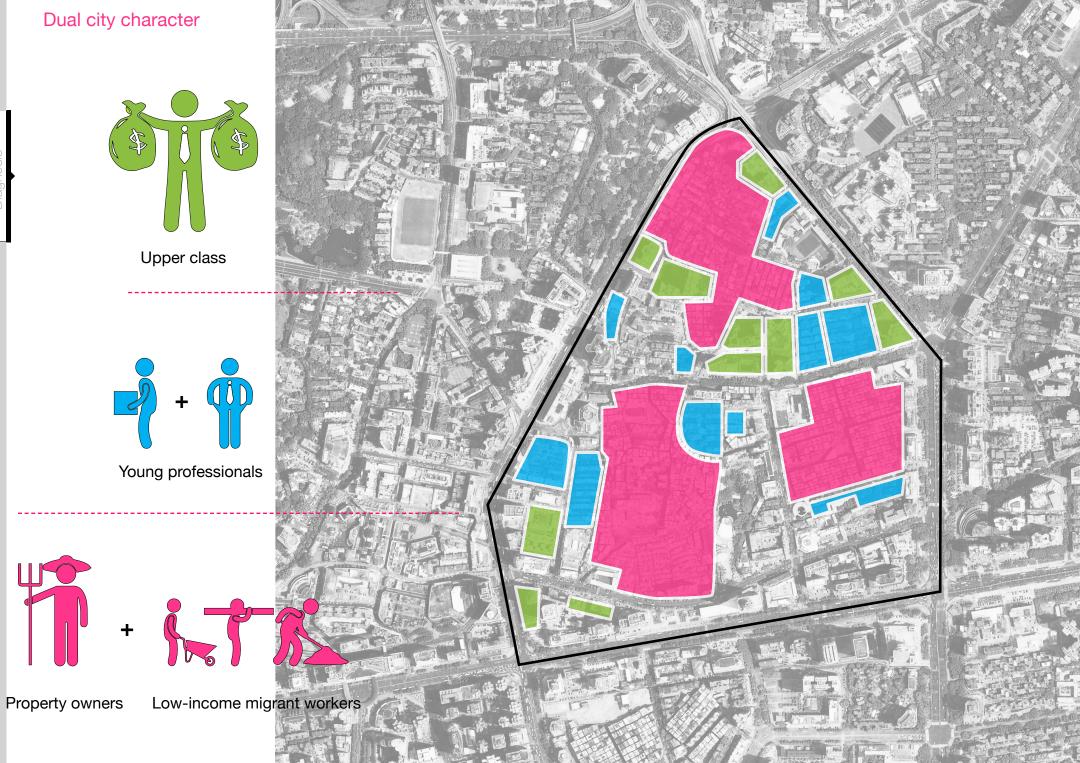
Commodity enclaves

1500~2400 CNY/one-bedroom

1800~2200 CNY/one-bedroom

2500~4000 CNY/one-bedroom

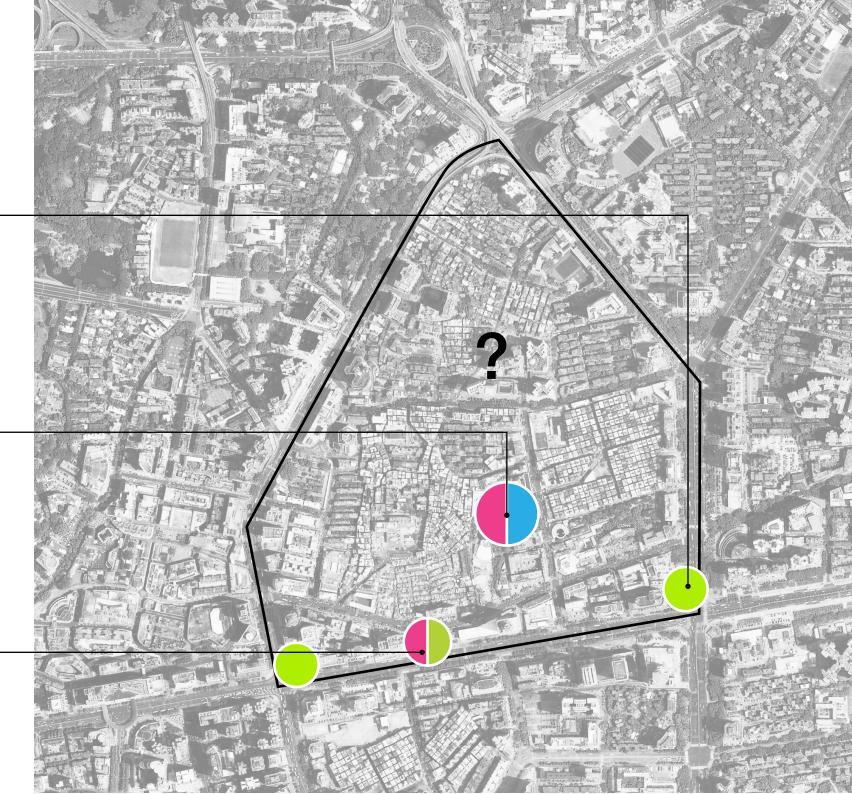












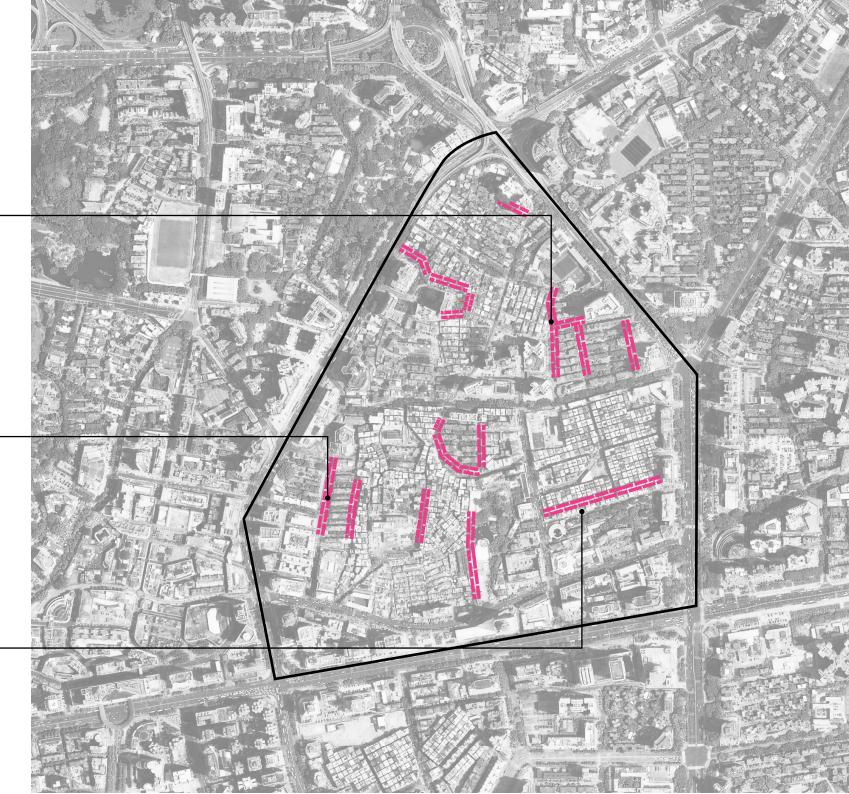
Physical boundary

Walls and fences









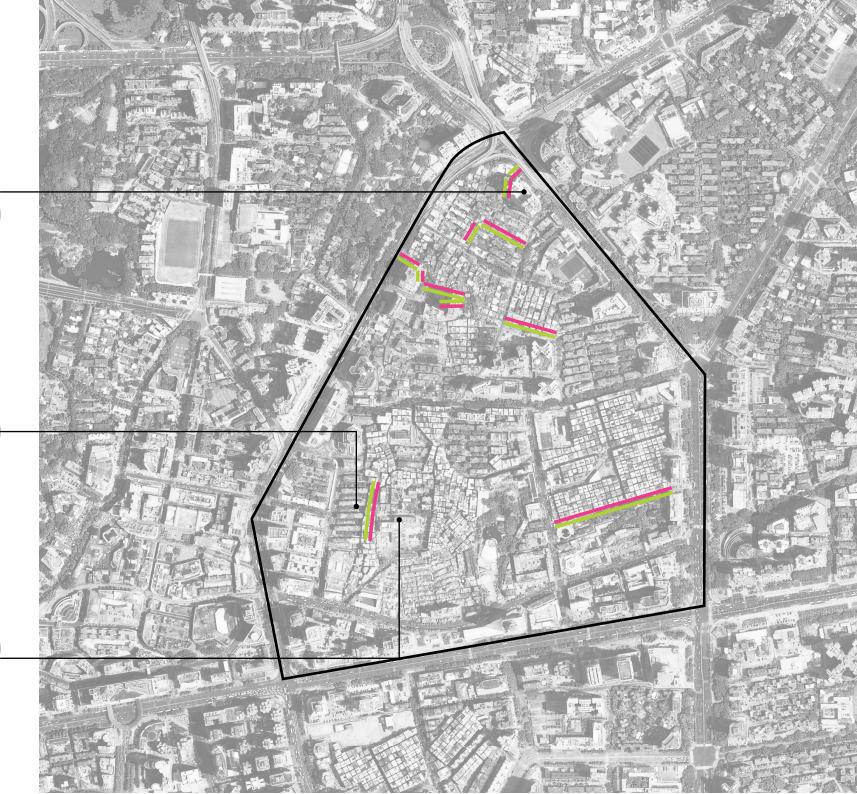
Physical boundary

Distinct spatial quality





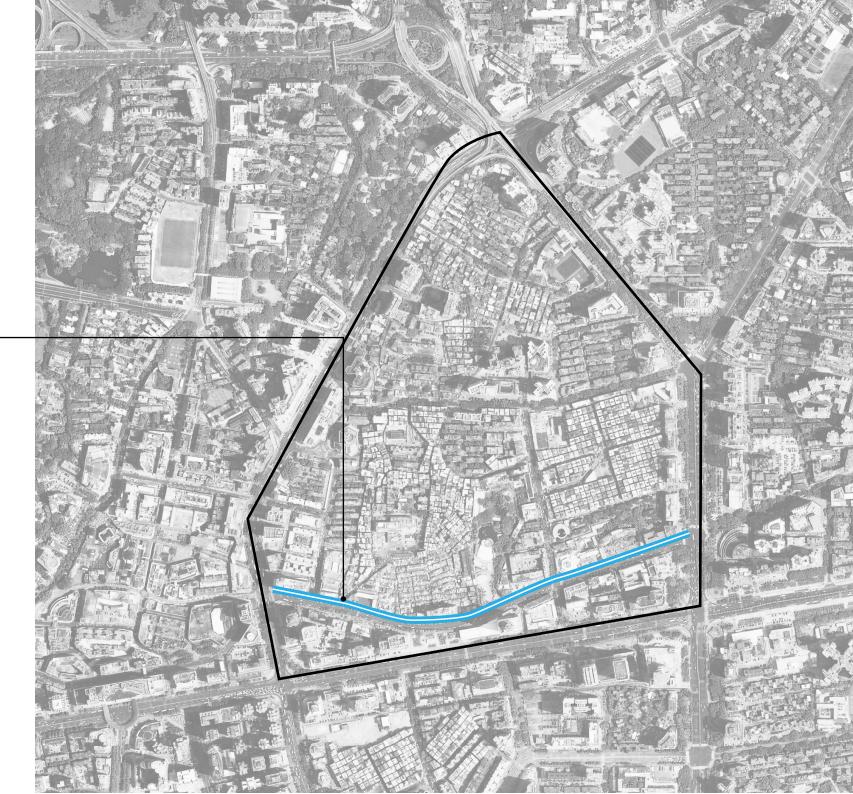


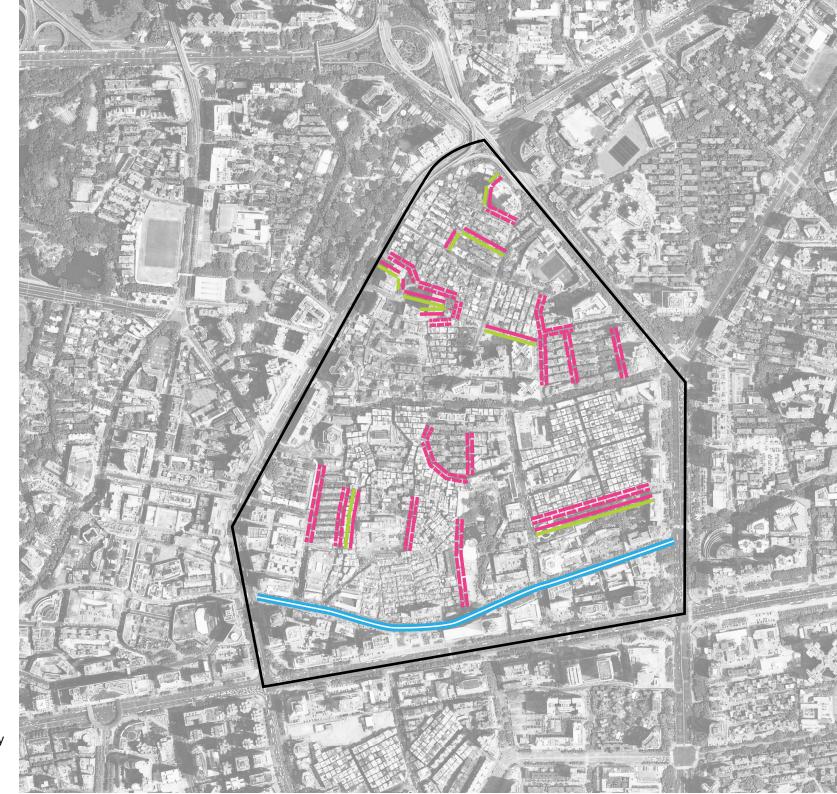


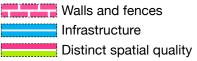
Physical boundary

Infrastructure









Separated life circles

Network accessibility





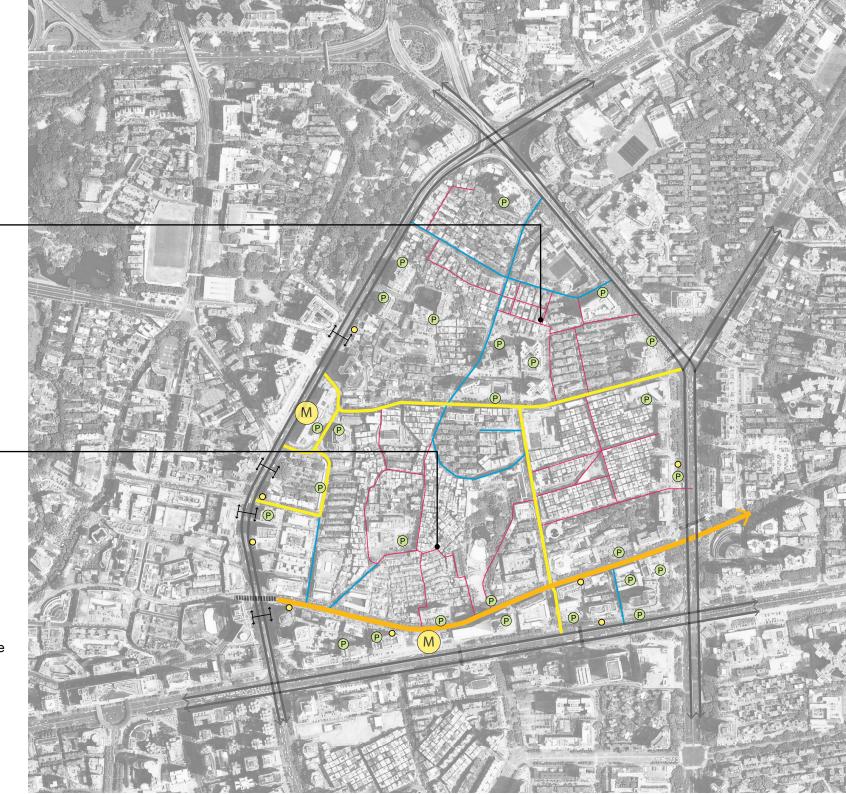
Main street inside
Secondary road
Branch road
Main pedestrian route

Parking

Metro station

Bus station

Pedestrian bridge
Pedestrian crossing



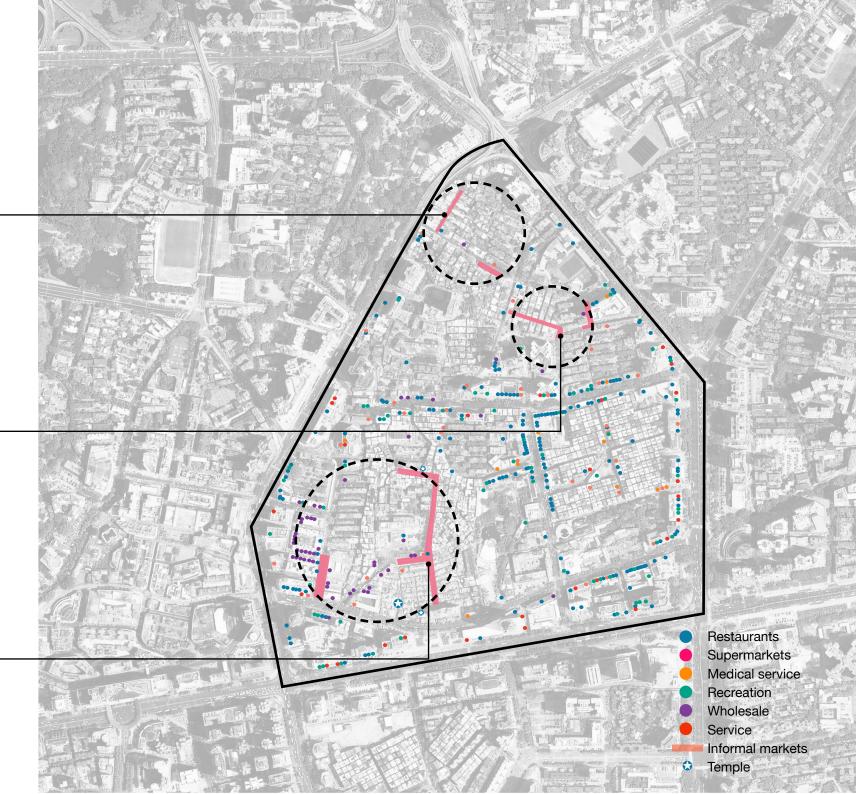
Separated life circles

Different daily supply









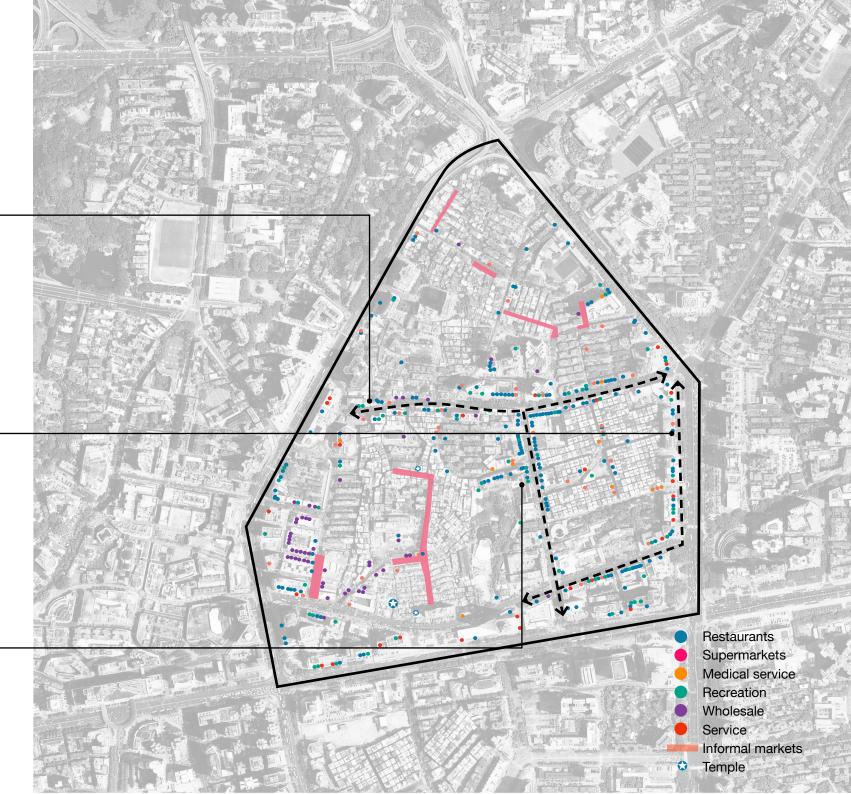
Separated life circles

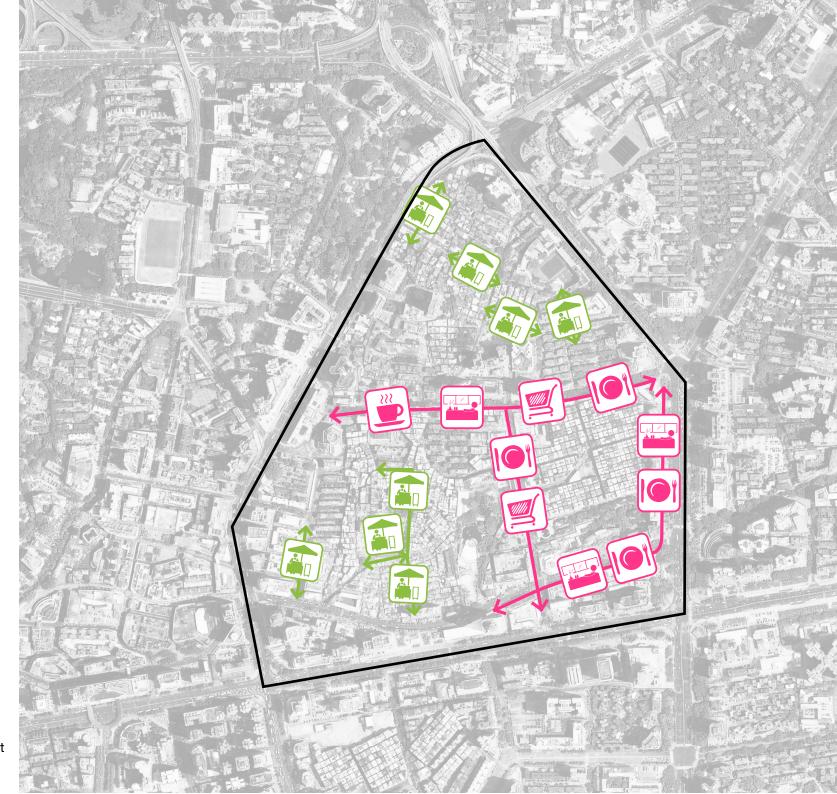
Different daily supply





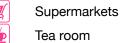








Restaurants

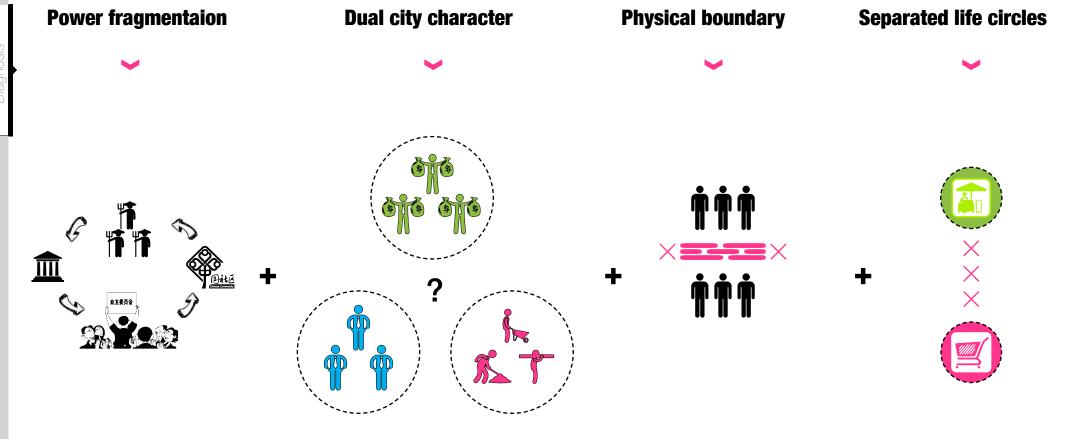


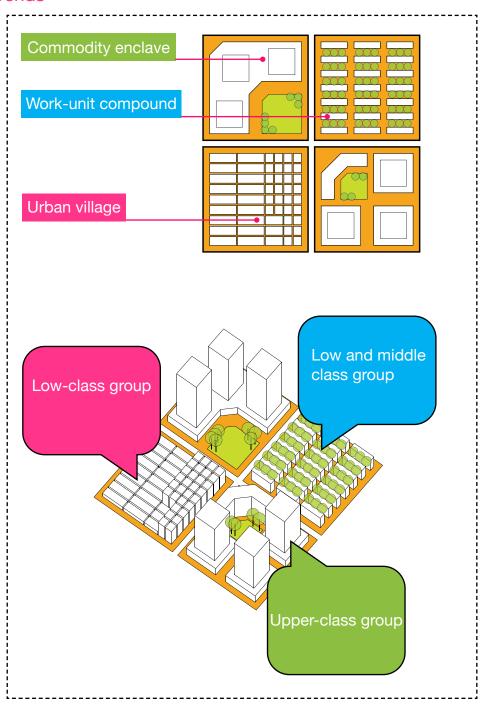


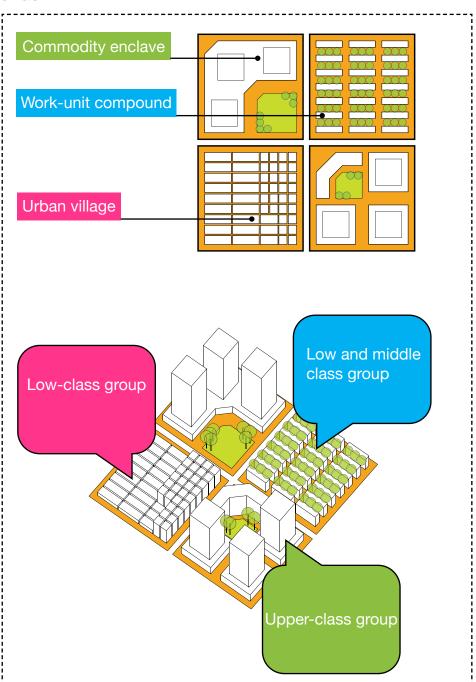
Recreation

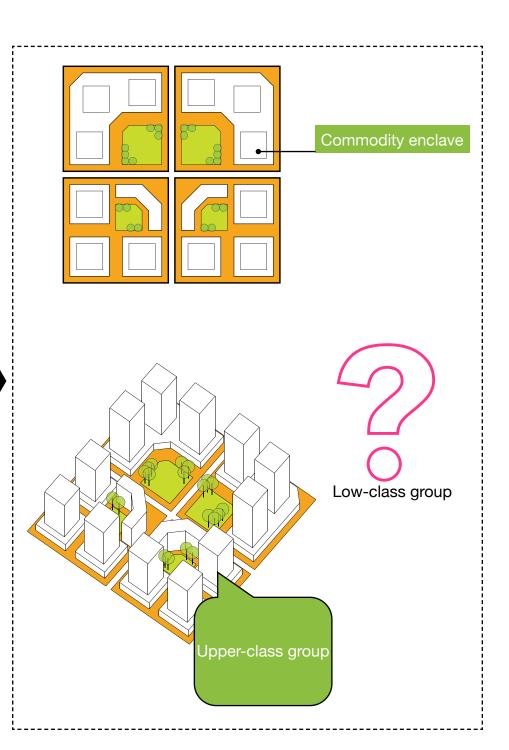


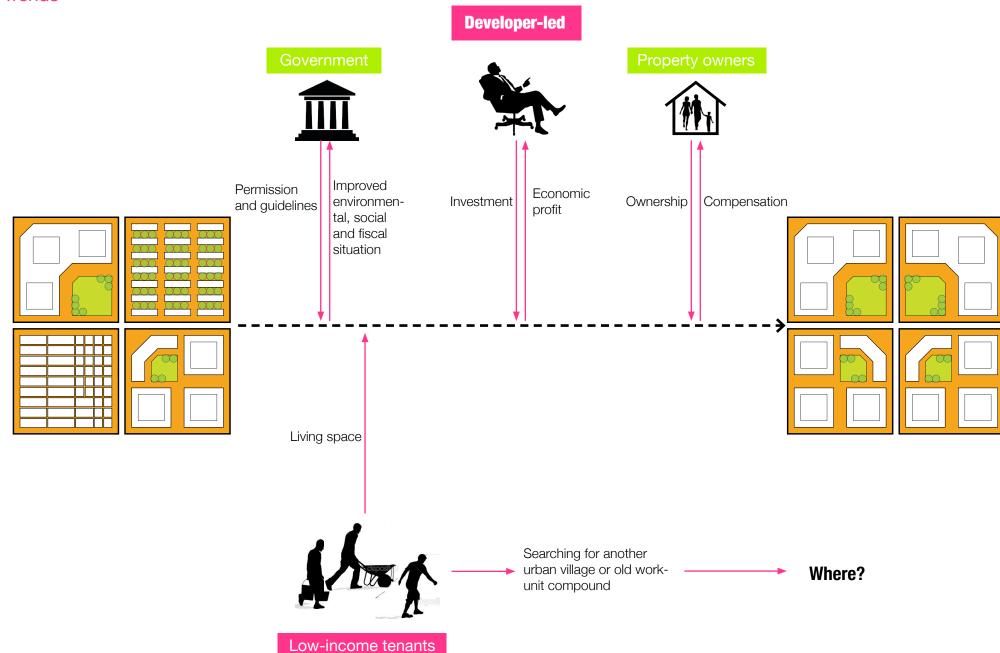
Informal market











Under the background of rapid and enormous urbanization and transformation in Shenzhen, urban segregation starts to emerge due to the increasing social and spatial disparities. Low-income migrants live in urban villages and degrading work-unit compounds without adequate public facilities, while high-income groups concentrate in commodity enclaves with gardens and private clubs, which cannot be accessed by outsiders. The lack of interaction among different social groups can be seen as a result of multiple barriers---power fragmentation, dual city character, physical boundary and separated life circles. The growing social and spatial inequity may limit one's access to information and resources, cause increasing discrimination of under class groups, and eventually incomplete participation in society (Musterd, 2005). In order to improve the low-quality urban environment, these areas are becoming the focus of urban regeneration area for government. But the current regeneration process results in similar high-end building plots, which are no longer affordable for low-income groups. They have to move further from the city centre searching for other cheap places to live, making the segregation issue even severer.

According to the problem of socio-spatial segregation described above, the main aim of this project thus is to maintain the current social structure, facilitate interaction between different social groups and balance the interests of all stakeholders through public space reconfiguration.

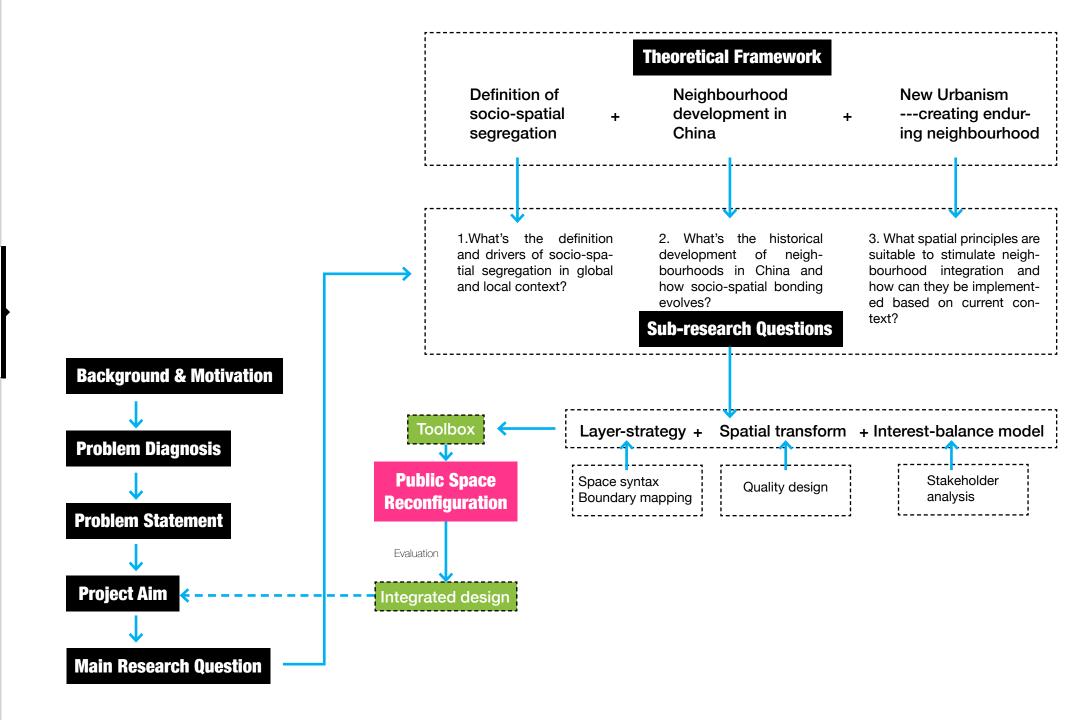
Main research question is:

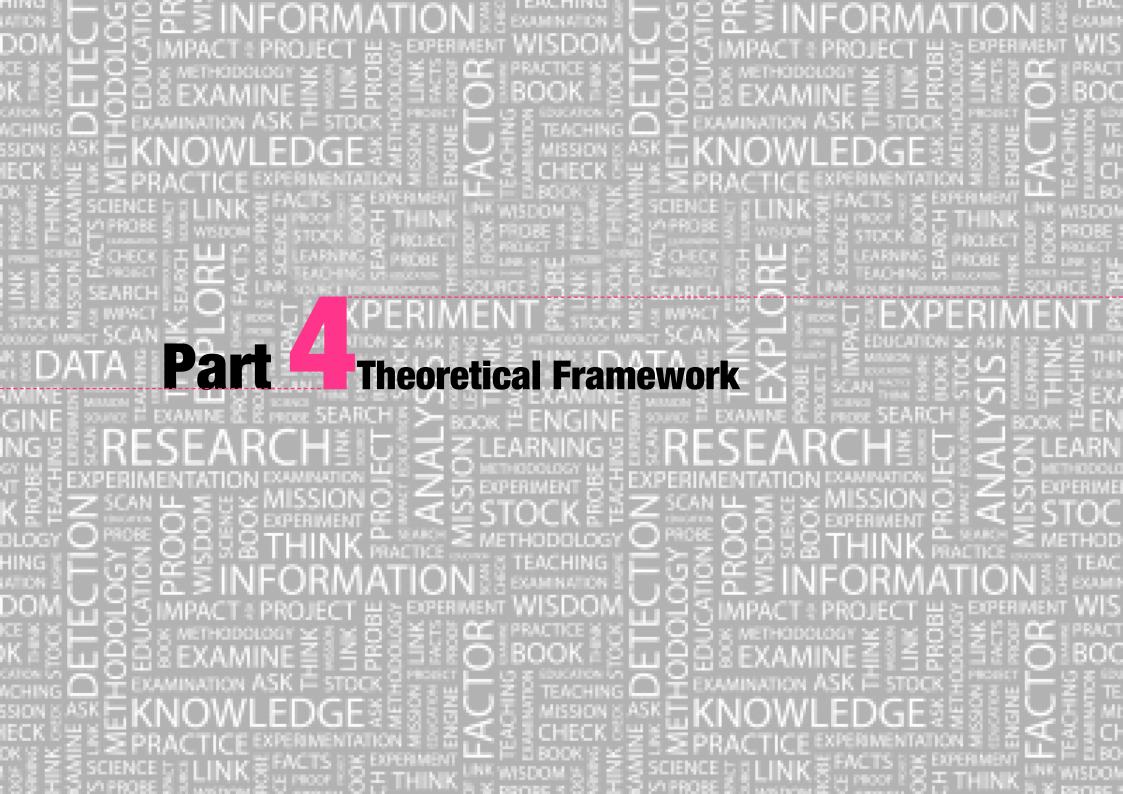
What is public space reconfiguration method for a socio-spatial segregated neighbourhood, in order to make it attractive for residents of all classes?

Sub-questions:

- 1. What's the definition and drivers of socio-spatial segregation in global and local context?
- 2. What's the historical development of neighbourhoods in China and how socio-spatial bonding evolves?
- 3. What spatial principles are suitable to stimulate neighbourhood integration and how can they be implemented based on current context?

Part 3 Methodology

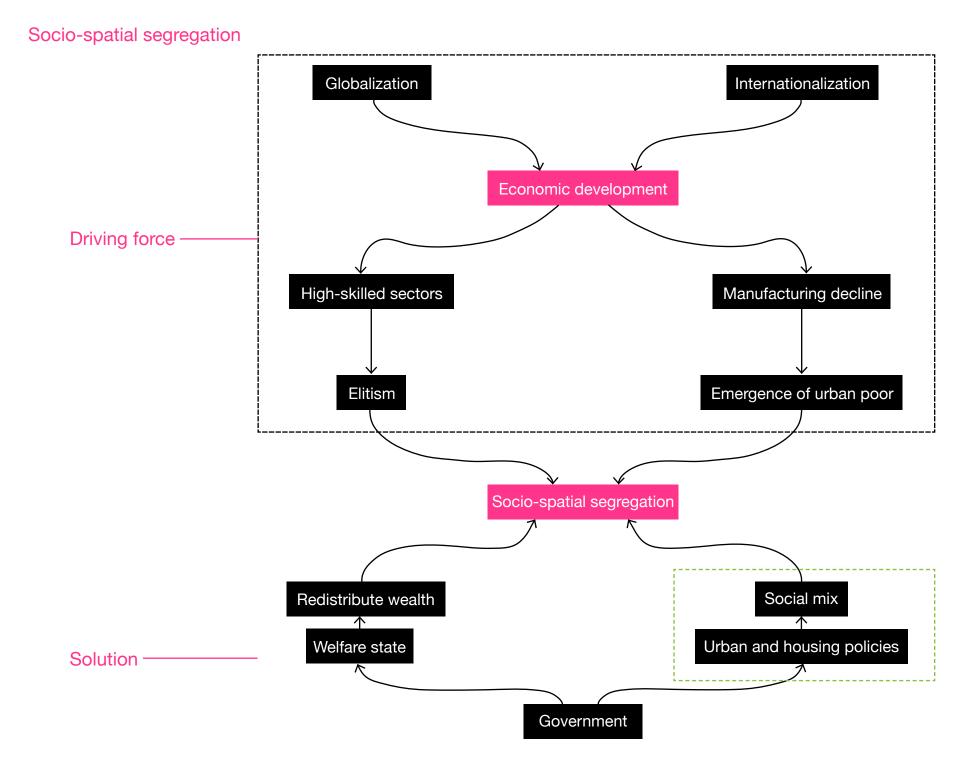


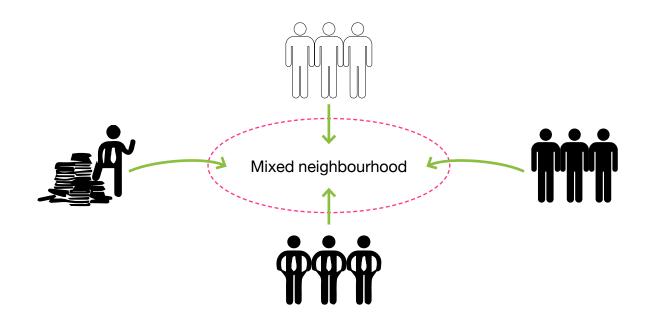




Definition:

Separation between different social groups in an urban environment (Feitosa et al., 2007). When it reflects on spatial perspective, it results unequal distribution of population groups across space (Madrazo and Van Kempen, 2012).

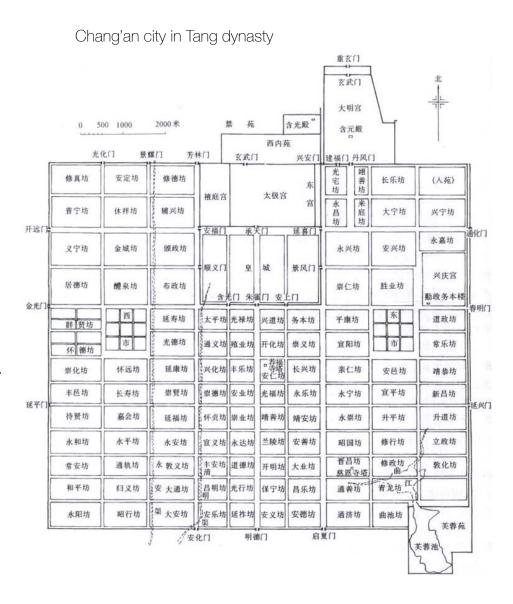


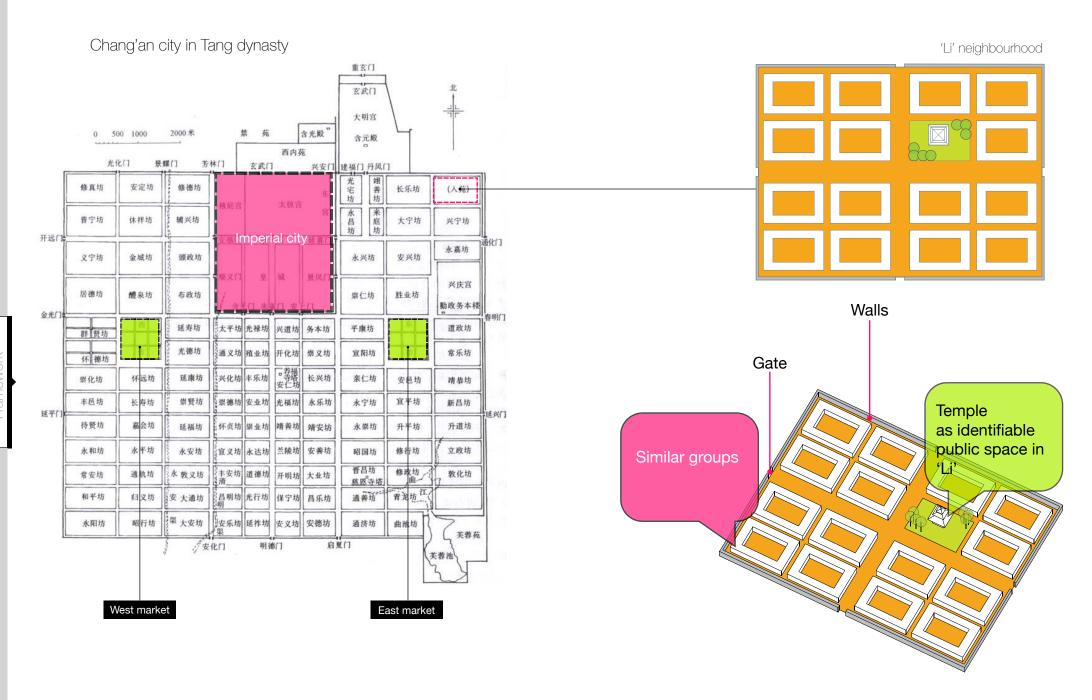


Globalization trends: similar mechanism---similar solution???---spatial proximity does not reduce social distance!!! (Chamboredon & Lemaire, 1970)

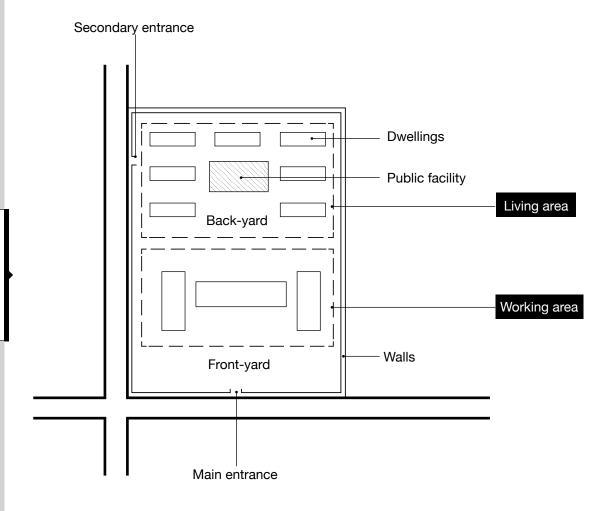
Adjust to local context!!!

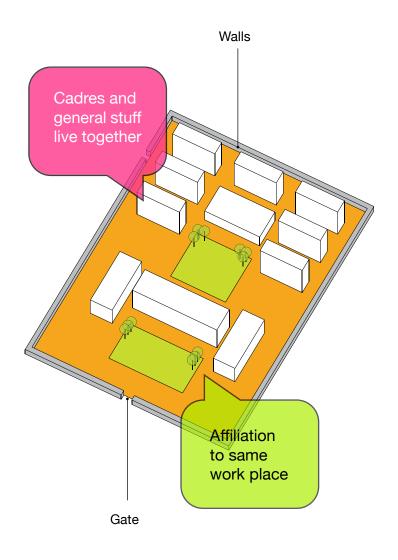
Neighbourhood development in China---Pre-socialist era (before 1949)

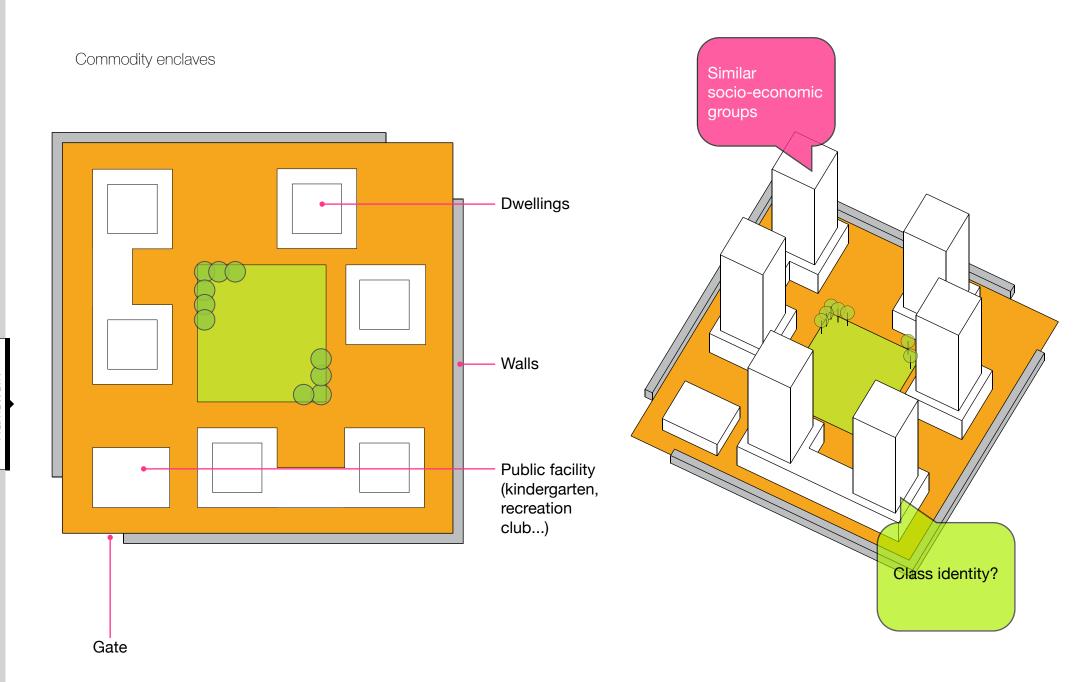


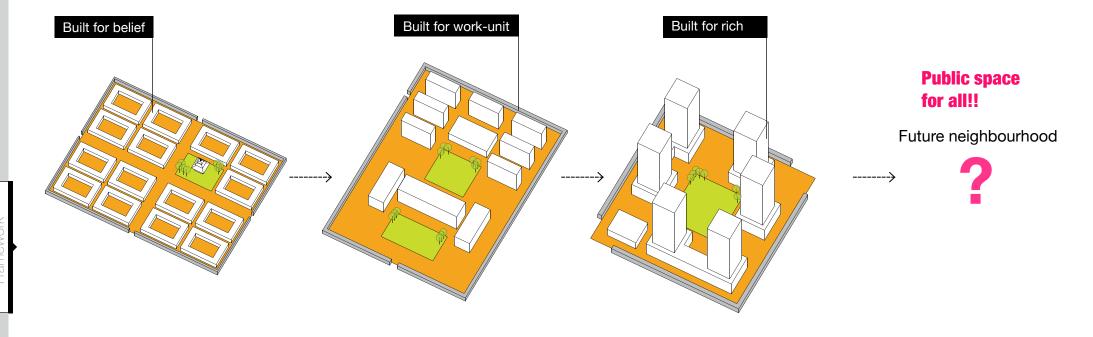


The typical spatial model of work-unit compounds Source: Zhang, Chai & Zhou, 2009









Aim







The New Urbanism views disinvestment in central cities, the spread of placeless sprawl, increasing separation by race and income, environmental deterioration, loss of agricultural lands and wilderness, and the erosion of society's built heritage as one interrelated community-building challenge.

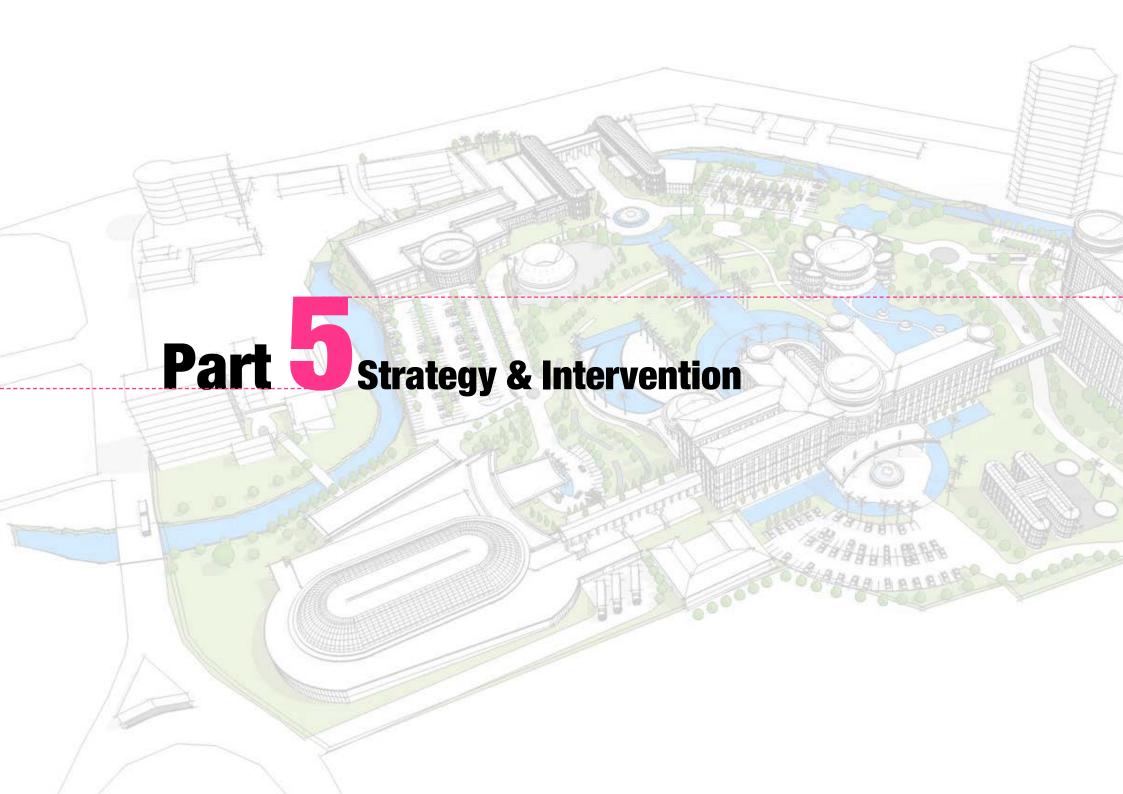
New Urbanism---creating enduring neighbourhoods

Principles

- 1) The neighbourhood, the district, and the corridor are the essential elements of development and redevelopment in the metropolis. They form identifiable areas that encourage citizens to take responsibility for their maintenance and evolution.
- 2) Neighborhoods should be compact, pedestrian friendly, and mixed-use. Districts generally emphasize a special single use, and should follow the principles of neighborhood design when possible. Corridors are regional connectors of neighborhoods and districts; they range from boulevards and rail lines to rivers and parkways.
- 3) Many activities of daily living should occur within walking distance, allowing independence to those who do not drive, especially the elderly and the young. Interconnected networks of streets should be designed to encourage walking, reduce the number and length of automobile trips, and conserve energy.
- 4) Within neighborhoods, a broad range of housing types and price levels can bring people of diverse ages, races, and incomes into daily interaction, strengthening the personal and civic bonds essential to an authentic community.
- 5) Transit corridors, when properly planned and coordinated, can help organize metropolitan structure and revitalize urban centers. In contrast, highway corridors should not displace investment from existing centers.
- 6) Appropriate building densities and land uses should be within walking distance of transit stops, permitting public transit to become a viable alternative to the automobile.
- 7) Concentrations of civic, institutional, and commercial activity should be embedded in neighborhoods and districts, not isolated in remote, single-use complexes. Schools should be sized and located to enable children to walk or bicycle to them.
- 8) The economic health and harmonious evolution of neighborhoods, districts, and corridors can be improved through graphic <u>urban design</u> codes that serve as predictable guides for change.
- 9) A range of parks, from tot-lots and village greens to ball fields and community gardens, should be distributed within neighborhoods. Conservation areas and open lands should be used to define and connect different neighbourhoods and districts.

Inspiration





Strategy

Strategy & Intervention

Dual city character



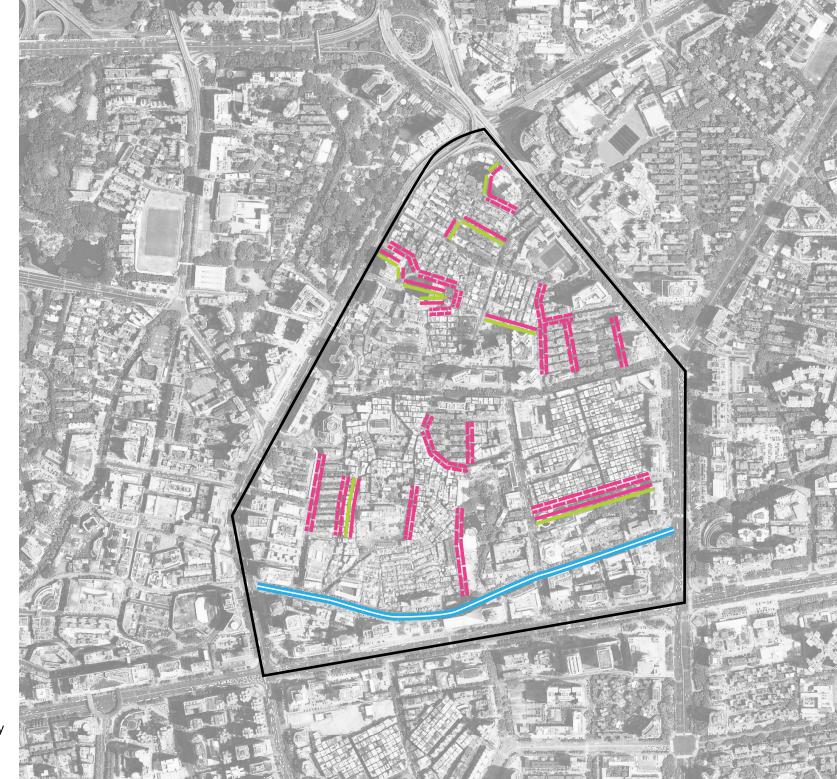
Dual city character

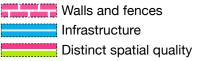






Physical boundary

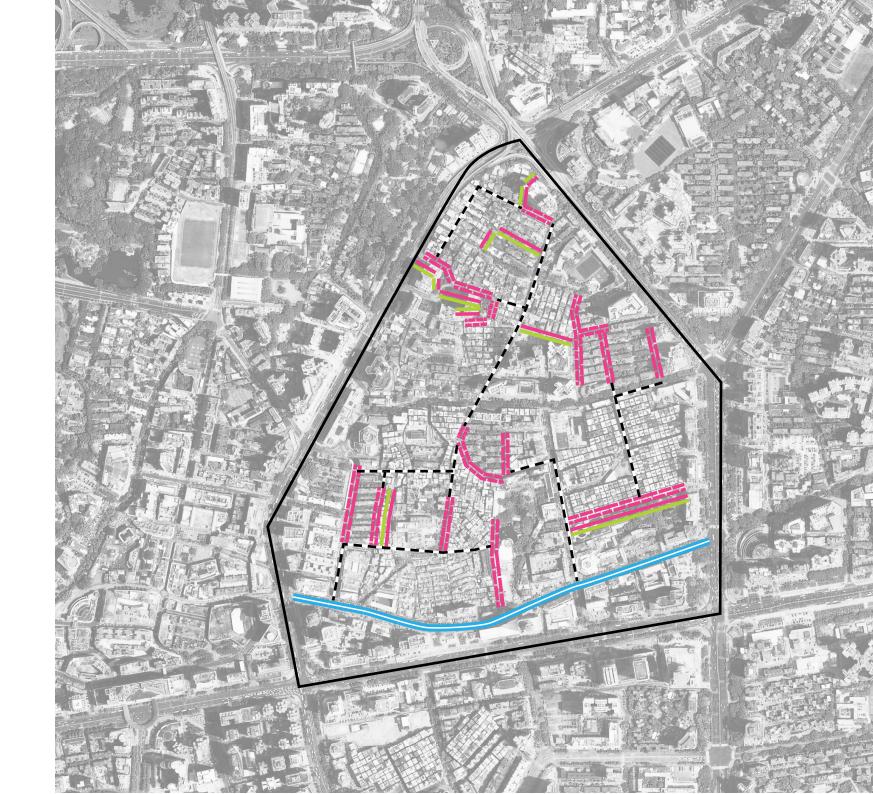




Physical boundary



Border involvement



Separated life circles





Restaurants



Supermarkets Tea room



Recreation



Informal market

Separated life circles



Daily supply network



Restaurants
Supermarkets



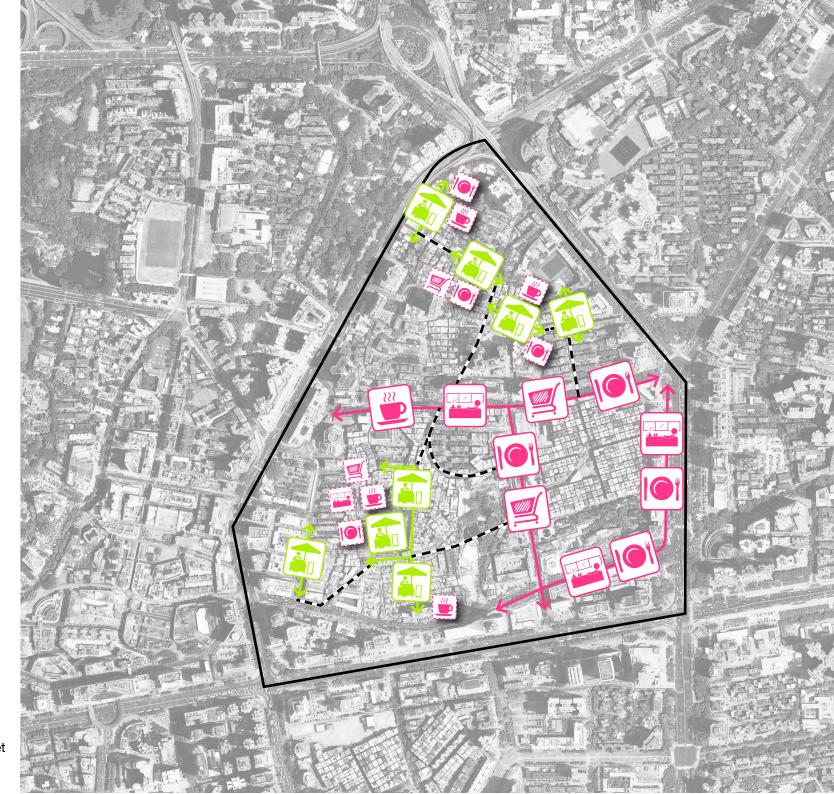
Tea room



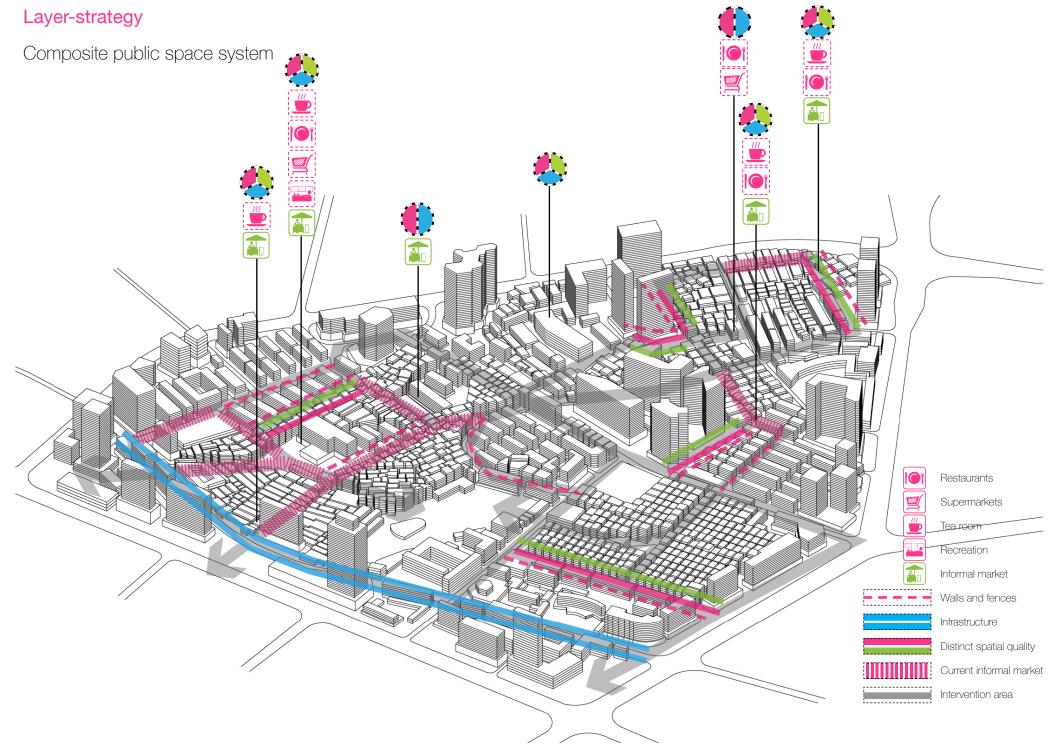
Recreation

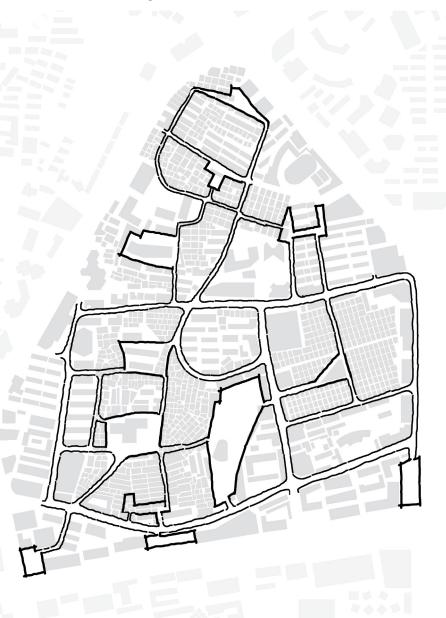


Informal market



Strategy & Intervention



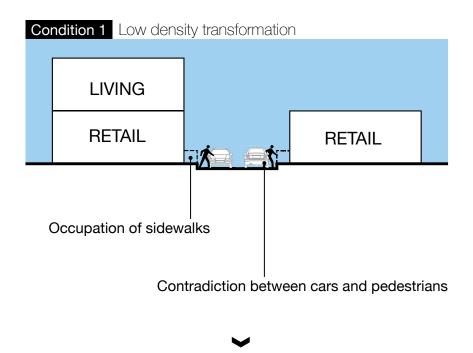


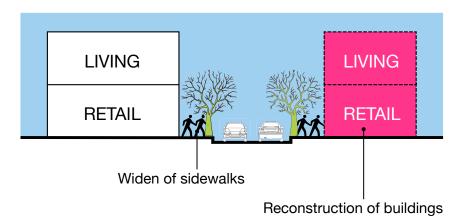


Strategy & Intervention

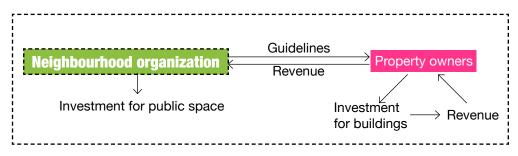
Toolbox for intervention

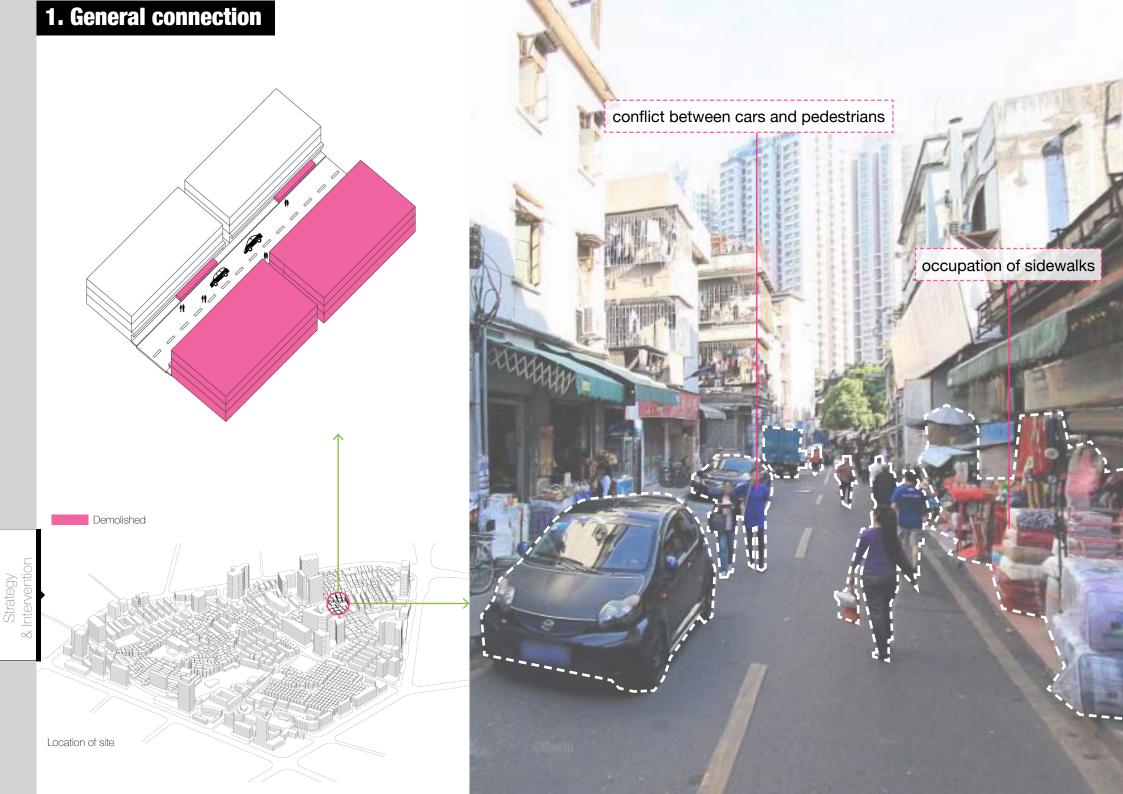
1. General connection





Self-organized Model





Current situation

Demolish

New construction of buildings

widen of sidewalks

Landscaping

Improved connection

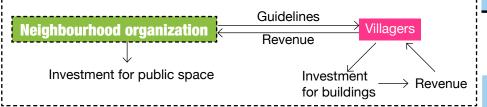


Strategy & Intervention



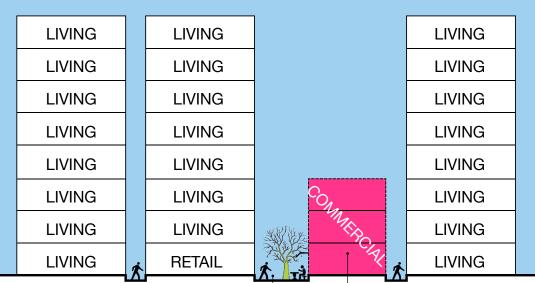
Added ot new elements

Self-organized Model



Condition 2

LIVING		LIVING		LIVING		LIVING	
LIVING		LIVING		LIVING		LIVING	
LIVING		LIVING		LIVING		LIVING	
LIVING		LIVING		LIVING		LIVING	
LIVING		LIVING		LIVING		LIVING	
LIVING		LIVING		LIVING		LIVING	
LIVING		LIVING		LIVING		LIVING	
LIVING	À	LIVING	ķ	LIVING	ķ	LIVING	
	LIVING LIVING LIVING LIVING LIVING LIVING	LIVING LIVING LIVING LIVING LIVING LIVING	LIVING	LIVING	LIVING	LIVING	LIVING



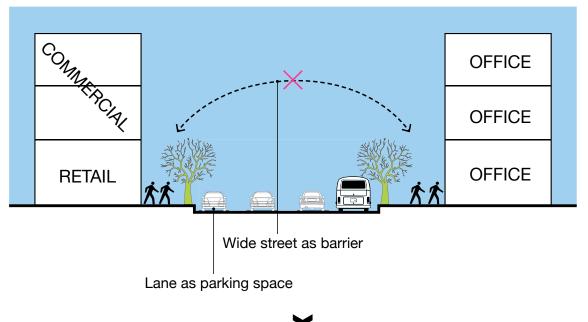
Reconstruction of buildings

Public facilities added

Strategy & Intervention

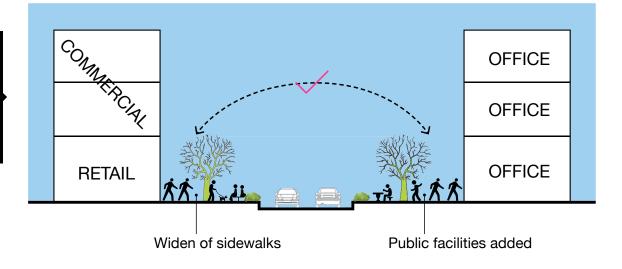
Toolbox for intervention

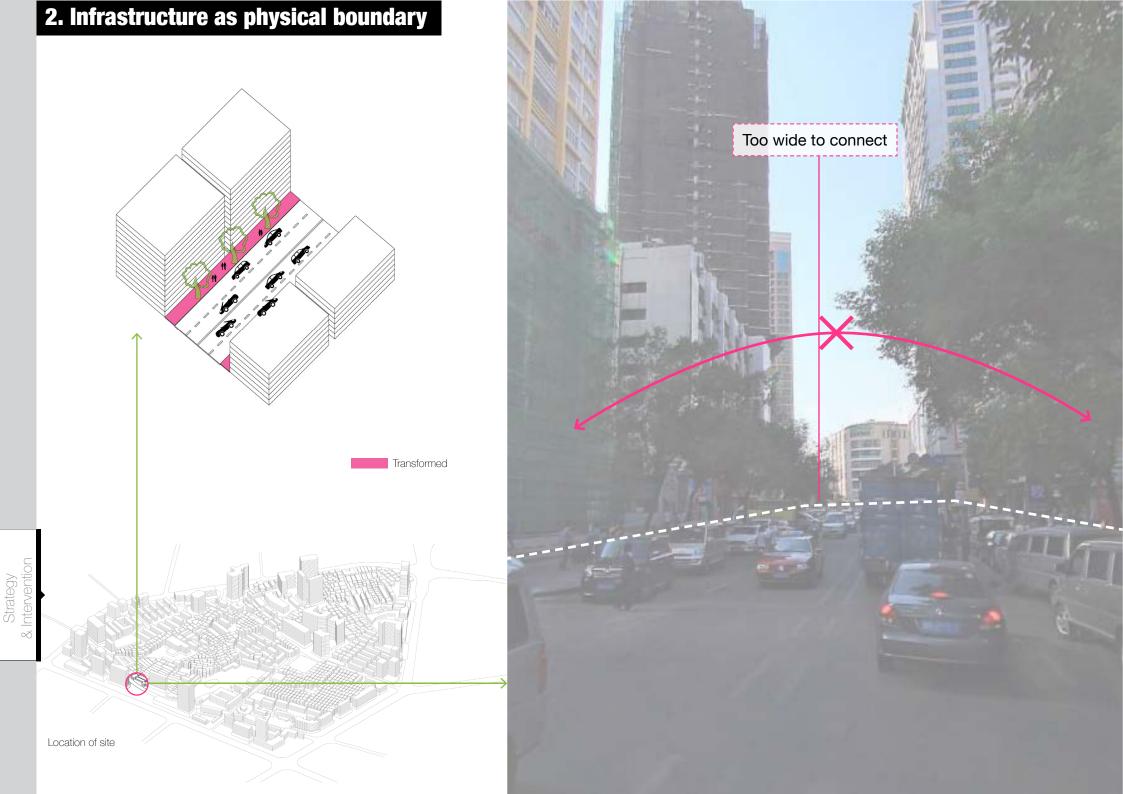
2. Infrastructure as physical boundary





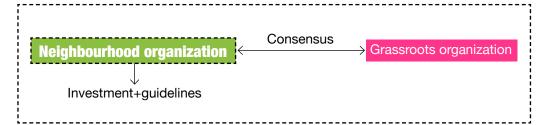


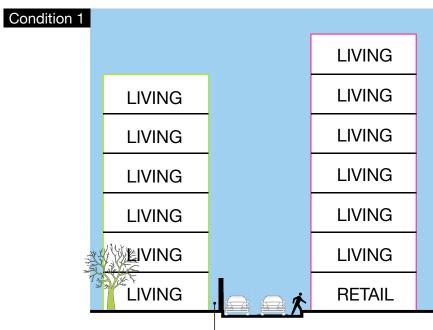




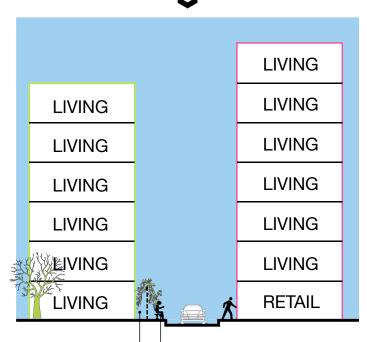


Consensus Model



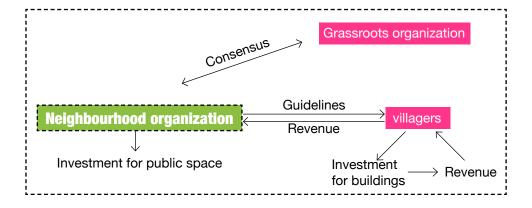


Walls as safe guard

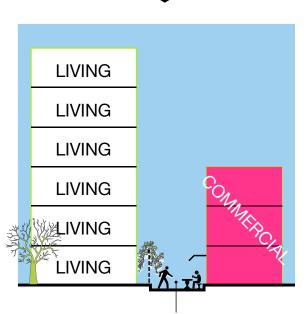


Landscaping public facilities added
Widen of sidewalks

Self-organized + Consensus Model



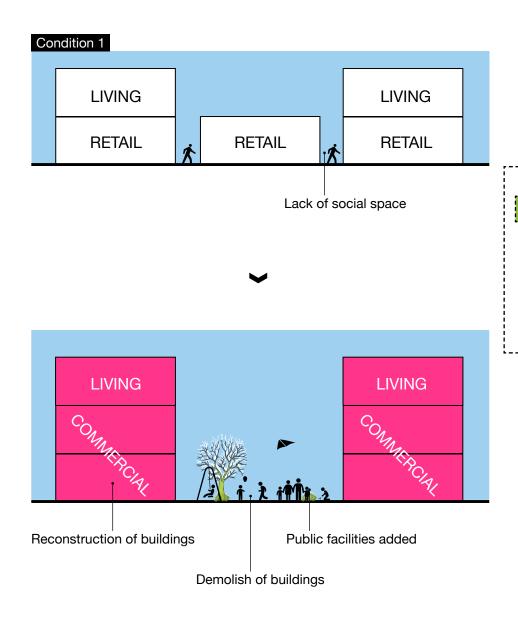
LIVING



Landscaping+ Reconstruction of buildings

Strategy

4. Social space making---limited space



Investment

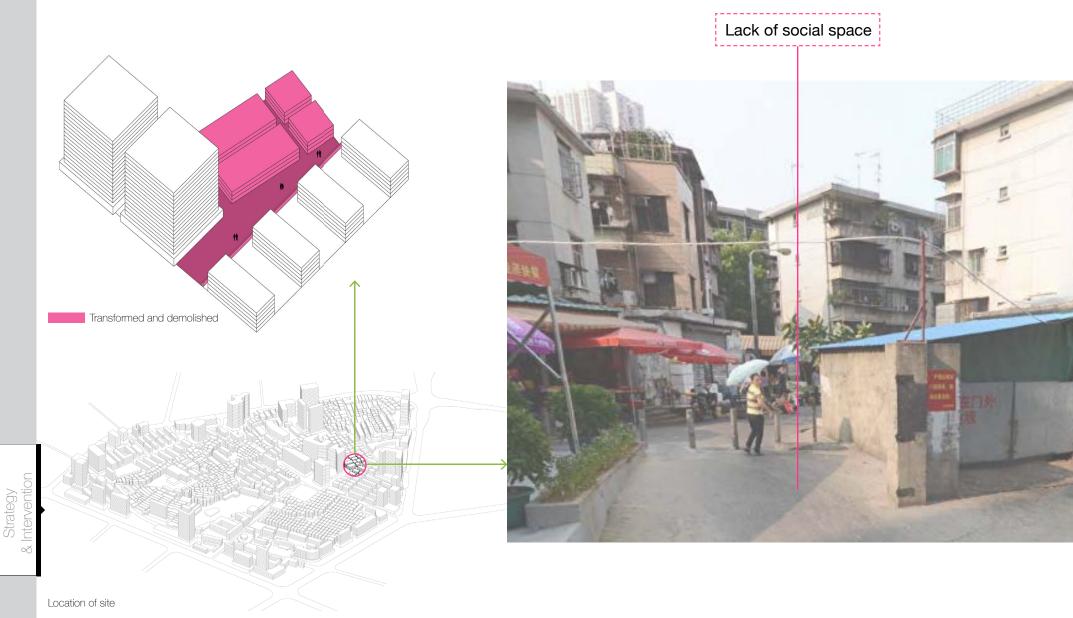
public space

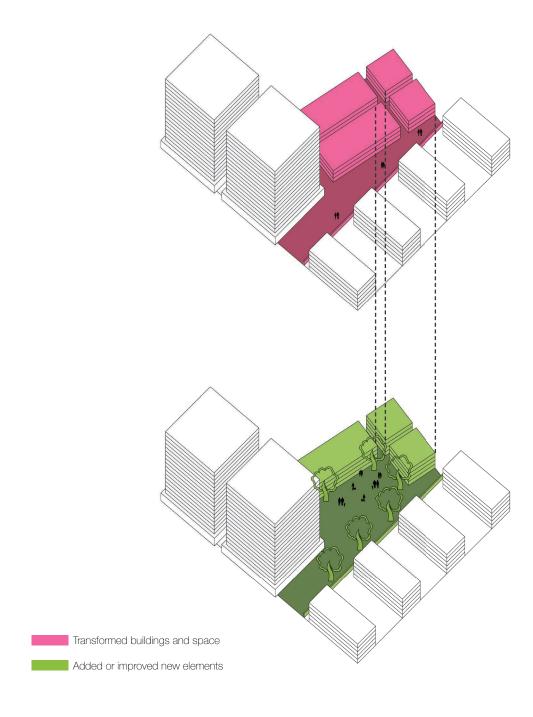
Property owners

for

Trade-off Model Guidelines Neighbourhood organization Property owners Revenue Investment for buildings

4. Social space making



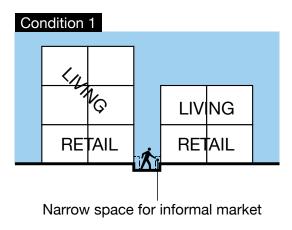


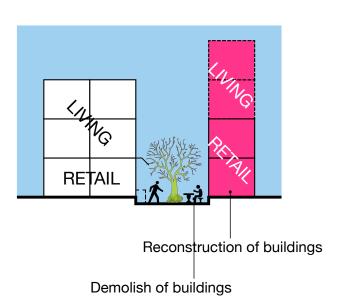




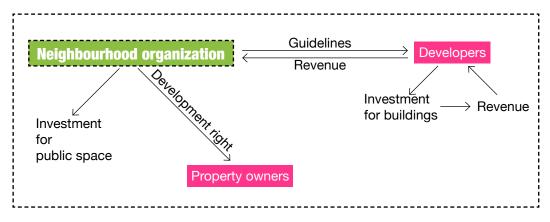
Toolbox for intervention

5. Informal market street---one-side intervention

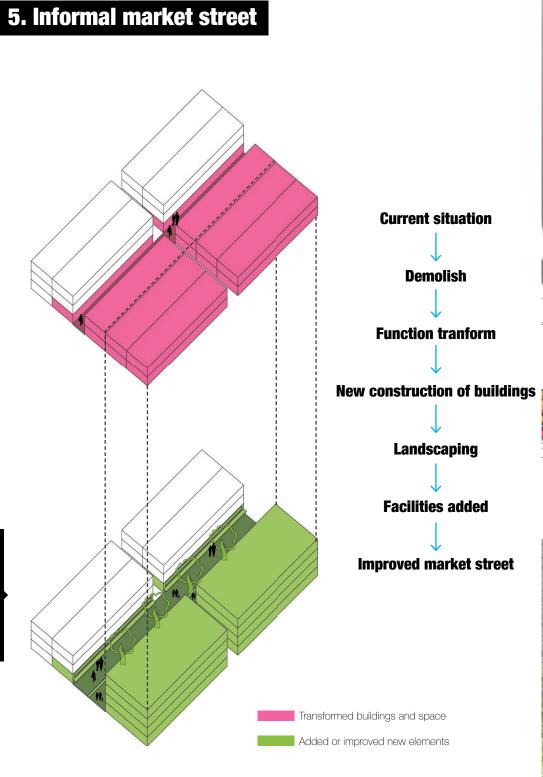




Trade-off Model



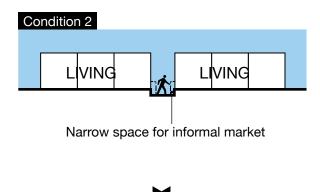


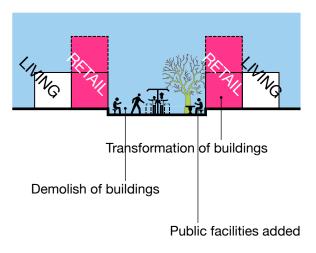




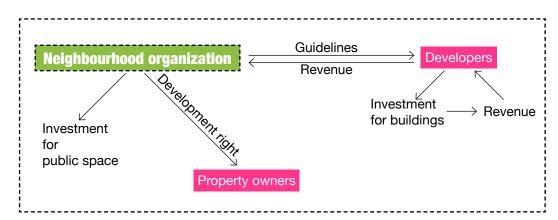
Toolbox for intervention

5. Informal market street---two-side intervention





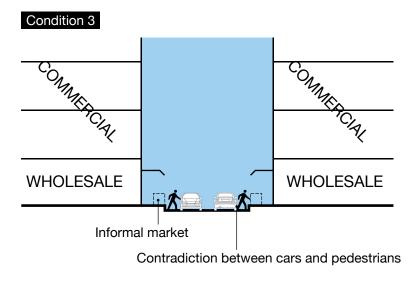
New developers involved Model

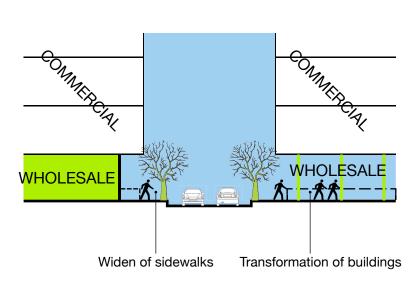




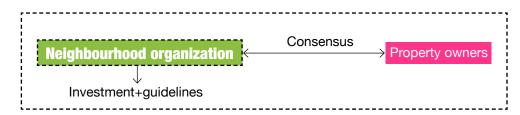
Toolbox for intervention

5. Informal market street---large scale public building





Consensus Model



Toolbox summary

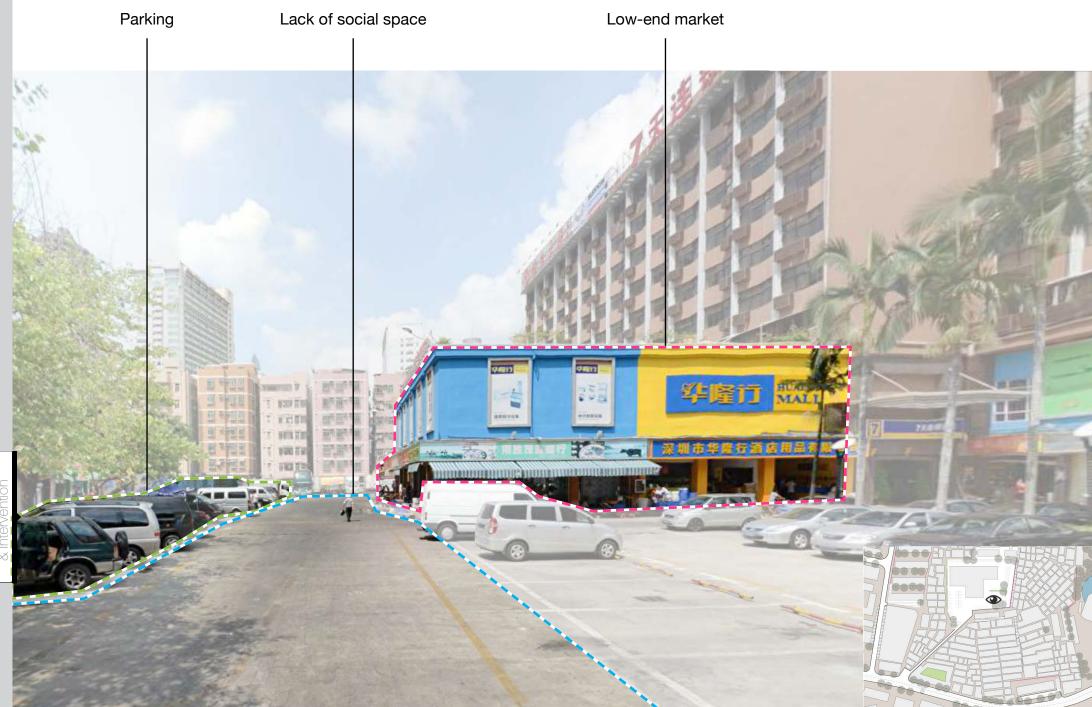


Transformation Type			Spatial Intervention	Interest-balance Model
1. General connection	Mixed-use streets		Widen of sidewalks; Reconstruction of buildings; landscaping	Self-organised
	Pedestrian routes		Reconstruction of buildings; Public facilities added; landscaping	Self-organised
2. Physical boundaryInfrastructure			Widen of sidewalks; Public facilities added; landscaping	Organization-supported
3. Physical boundary Walls & distinct spatial quality	Enough space		Widen of sidewalks; Public facilities added; Landscaping	Organization-supported + Consensus
	Limited space		Reconstruction of buildings; Function transformed; Landscaping	Self-organised + Consensus
4. Social space making			Transformation of buildings; Demolish of buildings; Public facilities added; Landscaping	Trade-off
5. Informal-market street	Mixed-use streets		Groundfloor transformation; Widen of sidewalks; Landscaping	New developer-involved
	Pedestrian routes	One-side transformation	Transformation of buildings; Demolish of buildings; Landscaping	New developer-involved
		Two-side transformation	Transformation of buildings; Demolish of buildings; Public facilities added; Landscaping	New developer-involved

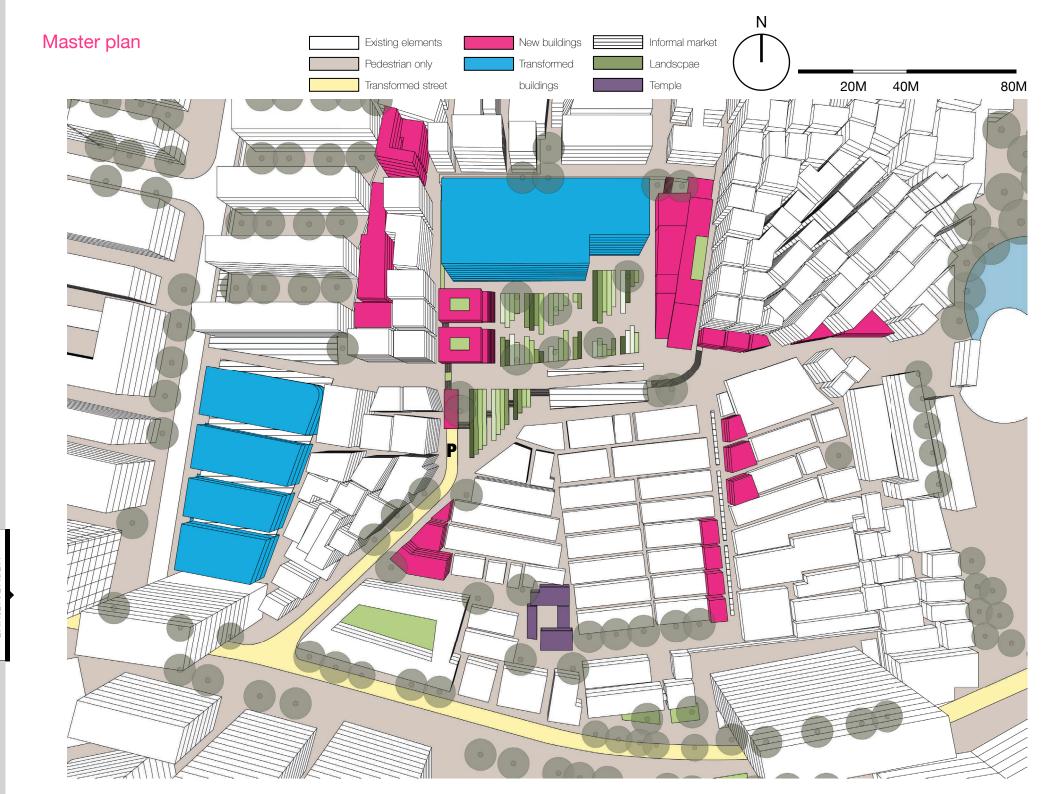
Where to start?

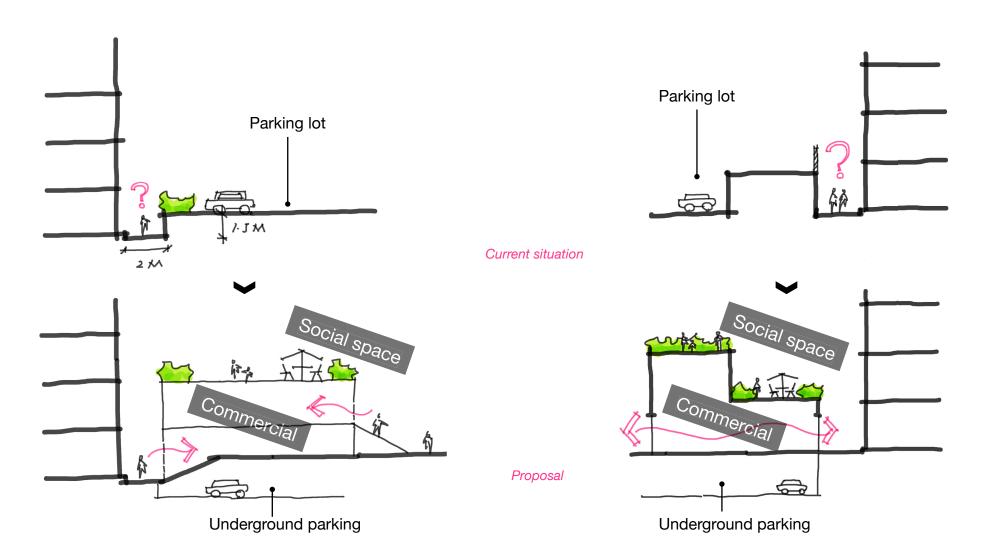


Current situation



Strategy



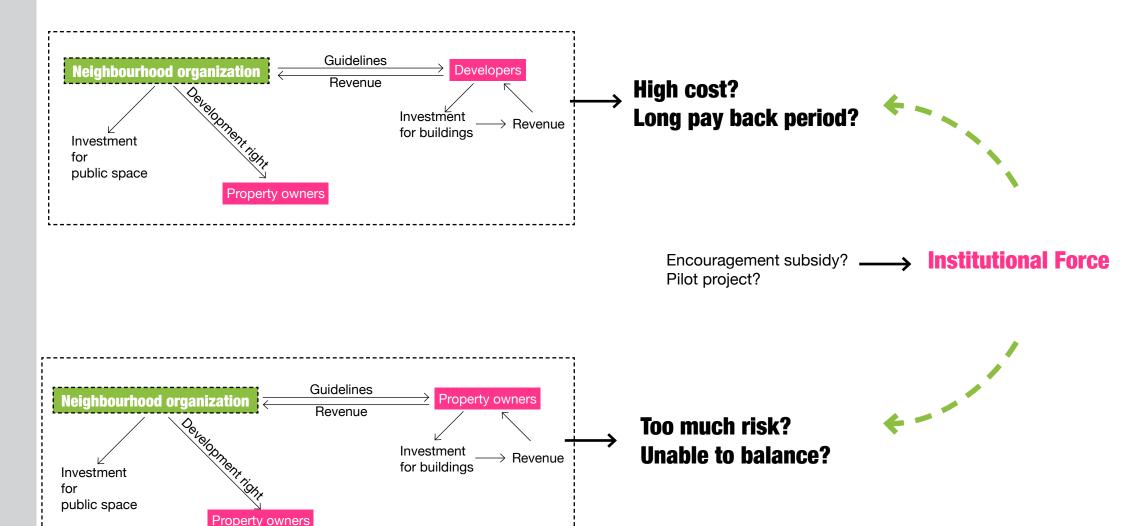






Part Conclusion & Reflection

Challenge



Thanks!