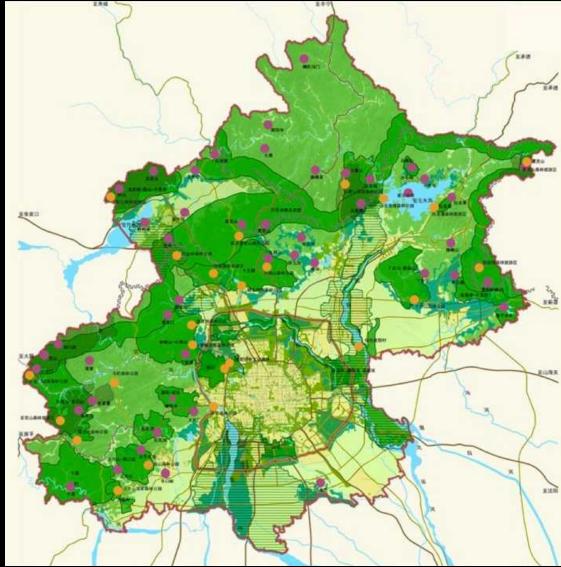
2020 Spring TSINGHUA & NUS Joint Studio

SHARING CITIES

EPMA Urban Design Studio

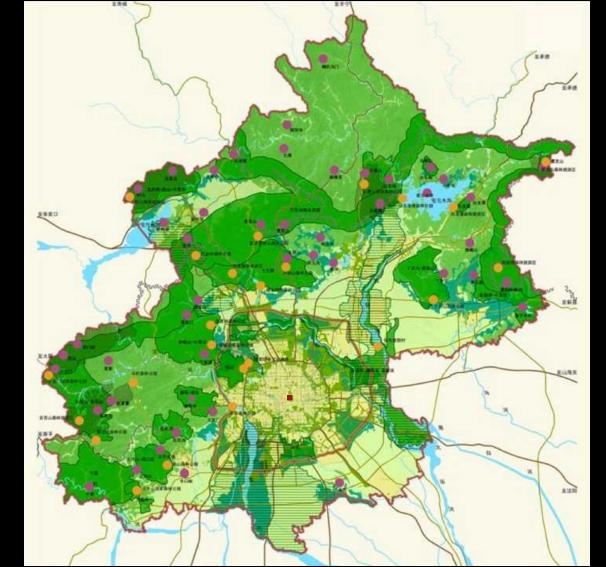
Beijing

2013-2020



area: 16 000 km2 (20x Berlin) (20x Singapore) (ca 70x Amsterdam)

population: ca. 40 Milion

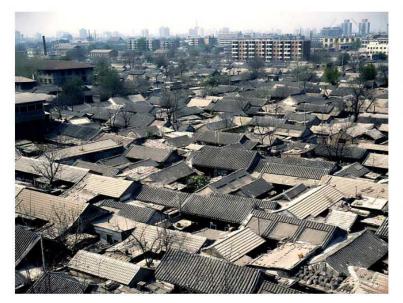


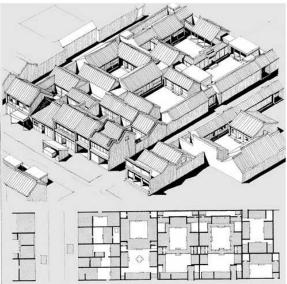


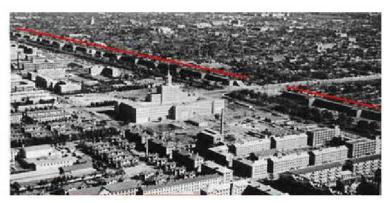


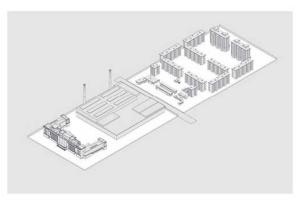






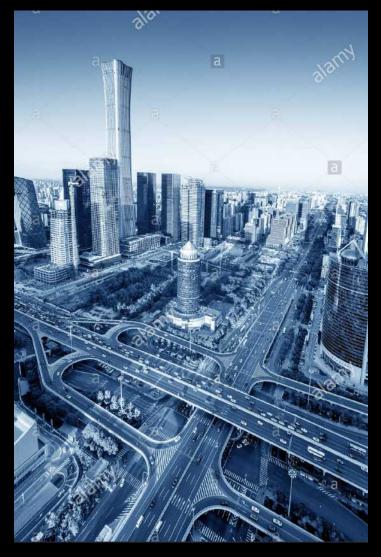


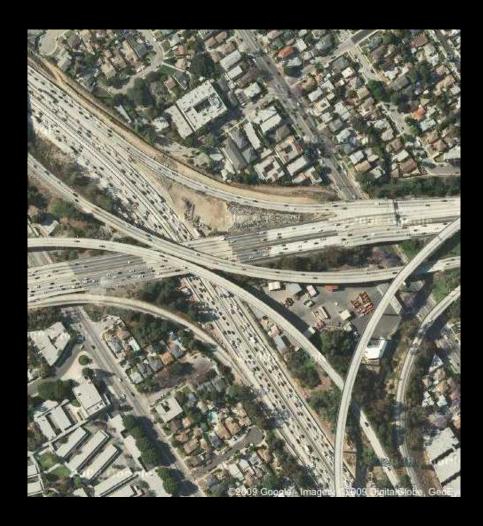














Los Angeles Beijing















2013 - Knowledge City
2014 - Water City
2015 - Healthy City
2016 - Edge City
2017 - Sharing History
2018 - Sharing Industry
2019 - Sharing Countryside
2020 - Sharing Guomao



2015

2013 - Knowledge City

2014 - Water City

2015 - Healthy City

2016 - Edge City

2017 - Sharing History

2018 - Sharing Industry

2019 - Sharing Countryside

2020 - Sharing Guomao

SHARING CITY 共享城市

Sharing Lifestyle and Urban Regeneration 共享生活与城市更新





UBER

EVERYONE'S PRIVATE DRIVER





PEOPLE PLACES

LOVE

AIRBNB









NUS-Tsinghua Joint Studio 2017 | Workshop 01, Beijing











Individual Grouping Site Study Exploration

NUS-Tsinghua Joint Studio 2017 | Workshop 01, Beijing











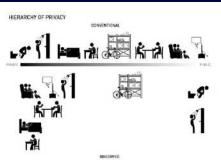


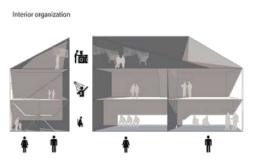




NUS-Tsinghua Joint Studio 2017 | Workshop 01, Beijing | Joint Design Charrette Review Panels

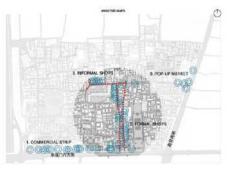






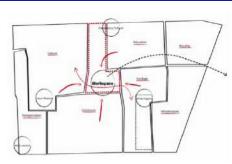




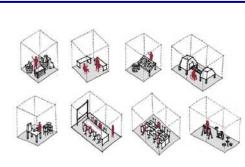


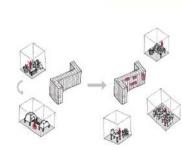














NUS-Tsinghua Joint Studio 2017 | Workshop 02, Singapore



















NUS-Tsinghua Joint Studio 2017 | Workshop 02, Singapore











NUS-Tsinghua Joint Studio 2017 | Workshop 02, Singapore















NUS-Tsinghua Joint Studio 2017 | Workshop 03, Beijing









共享经济与城

01 / Sharing Cities Seminar Guest Lectures and Discussion





NUS-Tsinghua Joint Studio 2017 | Workshop 03, Beijing















NUS-Tsinghua Joint Studio 2017 | Design week, Beijing

白埣弄再生计划 BAITASIREMADE







Profound impact of new concepts of for-prof sharing of trace everyday commodiles can be widely observed across the world. If change the ways we commist bits—and car sharing shop (astibible) amazzni) or work (co-working and redefities our thring (shared-housing, at onto), and issuring (e.g. open-online course odX and MODC) experiences. It redefities to need for us to own everything we want to use

The "Sharing Cities" stocks elies to provide solutions to emerging concept of sharing and responds to the idea of public space sharing and responds to the idea of public space sharing accounts and humanitarian perspectives. The studio brief has been designed to discuss to idea of charing in eight different themes, sharing having sharing worksharing attachming where worksharing commerce and straing heritage, sharing commerce and straing infrastructure. The National University of Singapore has selected two sites a site in the city denter where the radificial Nyonya culture originates. Josephia and a "sub-urban eith where a railway state and sub-urban eith where a railway state."

For the work presented here, we used the starting point for an urban reparent in mode straining the loty. The design preparation are thousand outcome at a joint design research cooperation between National University of Singapore and Teinghus University, regarding the topic of urban regeneration, with a specific focus of the influence of the Sharting economy of urban development. The cooperation include an 8-week joint design research studio and three complementary workshops with seminar

清华大学建筑 規划 景观设计数学丛书 SHARING CITIES 發熱 「從」和時町 雅傑

黄鹤 [荷]和马町 张烨 张悦 陈德钦 卢亨之兰由版社

当城市



We study sharing practices and we design shared spaces.

Sponsored by Ng Teng Fong Charitable Foundation (Hong Kong), NUS-Tsinghua Design Research Initiative for Sharing Cities (NT-DRISC) was jointly initiated by the Department of Architecture, National University of Singapore and the School of Architecture, Tsinghua University. The aim is to bring together scholars and students from the two top Asian architecture schools as well as experts and professionals having the same interests, exploring emerging space sharing practices and new dedicated typologies of shared spaces in the city.

With multi-disciplinary urban research expertise and excellence in design, we investigate on the spatial attributes of sharing practices and the economics, institutions, governance, and ethics of space sharing; develop insights on the conditions that the built environment of the city imposes on sharing practices and the transformation of urban spaces that sharing activities enable; and develop innovative design solutions that can encourage and promote meaningful sharing activities,

Initiated and presented by:



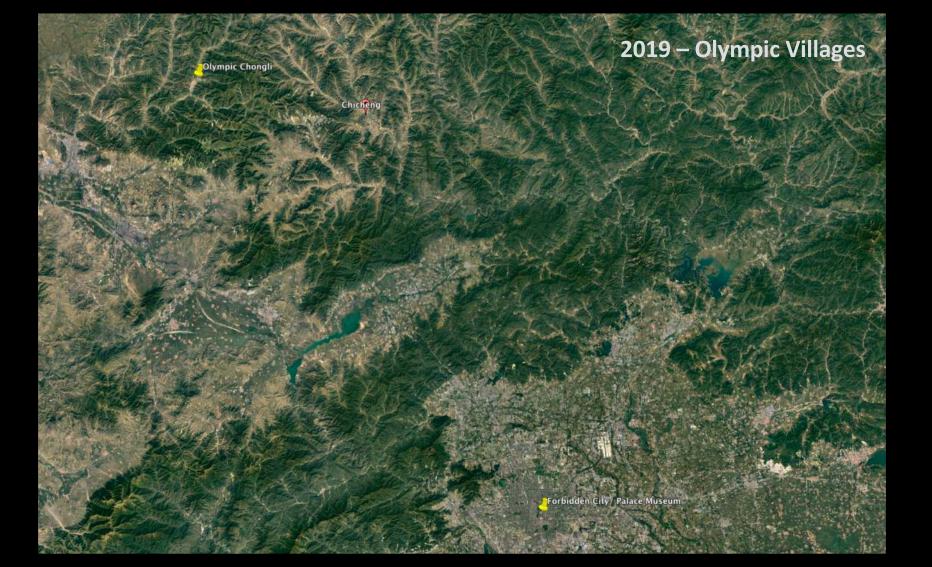


Sponsored by:



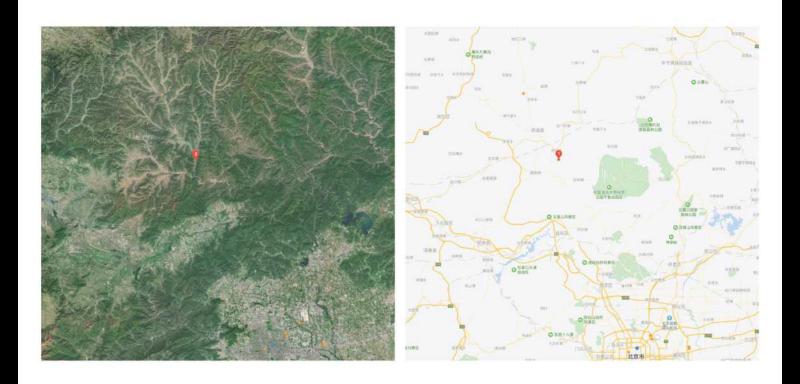
In a partnership with:







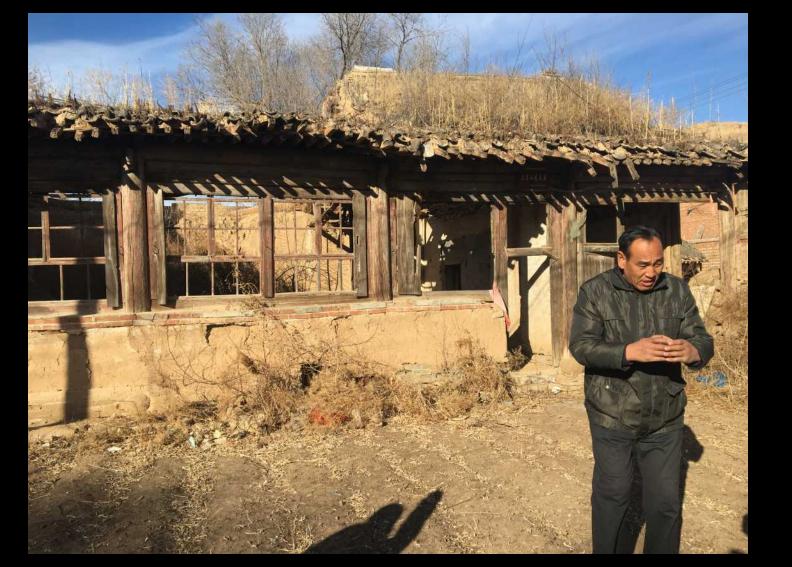
8_样田乡上马山村

















Mountain Village

Lorenzo, Jack, Aleksandra, Otmane, Qingqing

DESIGN STUDIO 3 Project Year: 2019

Location: Wanshuiquan village

Wanshusquan villag

Studenta:

Lorenzo Maritan, Jack Shi, Aleksandra Platova, Otimane Gutifa, Qingqing Hu

Design Studio Totors: Yue Zhang, He Huang, Martijn de Geus

Key words: river gathering spaces The idea is to transform this "exit way 2022 Olympics games village" to the Gateway Village. It can become the entrance of the region and of a bigger system.

TANG DINASTY WALL. As the first face of the village, the idea is to highlight the wall, it's history and materiality. The entrance is now a museum that will display the history of the village, a bus stop for the visitors and a gathering area for the villagers.

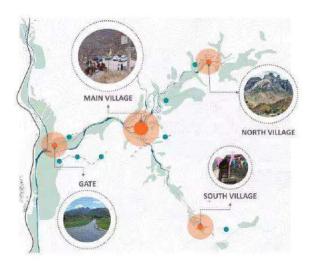
MAIN STREET. The street will represent the identity of the people living there and providing at the same time the new public function capable to welcoming people; restaurants, small shops, public spaces as well as services and facilities. For the village it will represent then the economical center.

GATEWAY HOUSE. The idea is to transform the fortress house to an indoon-welcoming place that will provide the basic facilities. The strategy is to use one plug-in that links street and courtyard, and one plug-in that connects users from the courtyard to the enterior.

QUARRY FOREST. Two quarries have damaged the landscape at the back of the village. The idea is to recover that land and transfrom it in a productive forest. Using both quarries, the idea is to create a series of terraces that will stabilized the ground and at the same time will suit the site for grow plants.

These forest are also the beggining of a hiking route that will connect the village with the LOOKOUT VALLEY, the cave houses, the 1000 year old tree, the old village and hills that surround Duanmugou.







TANG DINASTY WALL

We purpose activate it by put museum beside the wall and created the relation of the museum with every side of it. for example, in front is the bus stop. At the back is small public gathering space and the side that next to the wall it's provides another perspective for the great wall.

MAIN STREET

It represents the first image of the village beyond the touristic vision brought by the Olympic games. The street will represent the identity of the people living there and providing at the same time the new public function capable to welcoming people: restaurants, small shops, public spaces as well as services and facilities. For the village it will represent then the economical center.

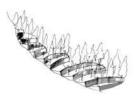
This can be possible opening some of the courtyards, using abandoned houses and secondary building to this new functions making all of them visible from the street. This new elements are activating the connection with the space from the outside to the inside.

GATEWAY HOUSE

The islea of the Gateway house is to transform the fortress house to an indoor-wedcoming place that will provide the basic facilities. The strategy is to use one plug-in that links street and courtyard, and one plug-in that connects users from the courtyard to the interior. While is at the same time both plug-ins are a linkage, they are also the facilities containers. The plug-in is design as a module which would hold facilities and gathering activities.

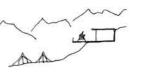
QUARRY FOREST

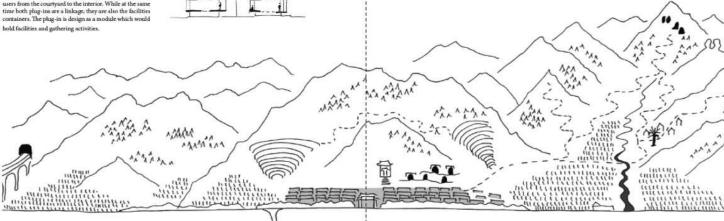
A forest park is designed within the two quarries. A single wall will be built, meandering through the quarries and reaching the top. It makes terraces in order to stabilize the ground and keep the water. An altur platform is located at the top, to have a Tajii session or to observe the stars. The whole park is connected by a pedestrian and planted path joining Duanmogou's main street.



LOOKOUT VALLEY

A forest park is designed within the two quarries. A single wall will be built meandering through the quarries and reaching the top. It makes terraces in order to stabilize the ground and keep the water. An altar platform is located at the top, to have a Tajij session or to observe the stars. The whole park is connected by a pedestrian and planted path ioning Duanmogou's main stream.

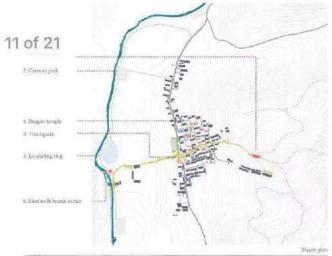


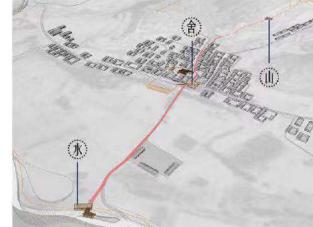












River - Home - Monagata / Master plan







3. Gazineay house - waste management system.



2. Alexa street life

н

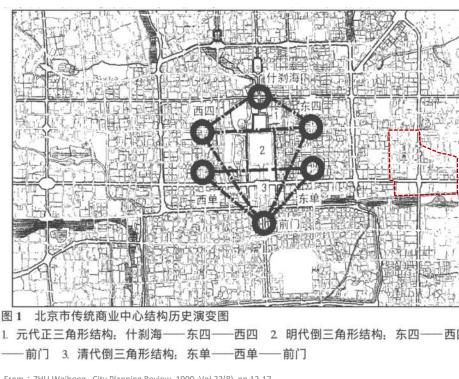
SHARING CITY

Smart, future, shared lifestyle in the modern city: Guomao









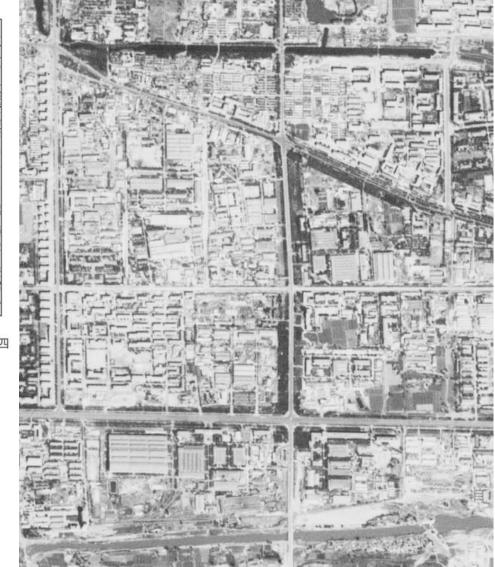
From: ZHU Weihong, City Planning Review, 1999, Vol.23(8), pp.12-17

Ancient commercial centers in Beijing City

Beijing CBD before development. (1967)

Image from:

https://en.wikipedia.org/wiki/Beijing_central_business_district#/media/File:Beijing_CBD_before_development_-_satellite_image_(1967-09-20).jpg





Since 2000, CBD and Financial Street District were planned as two core financial centers for Beijing

Financial Street District plan

CBD plan

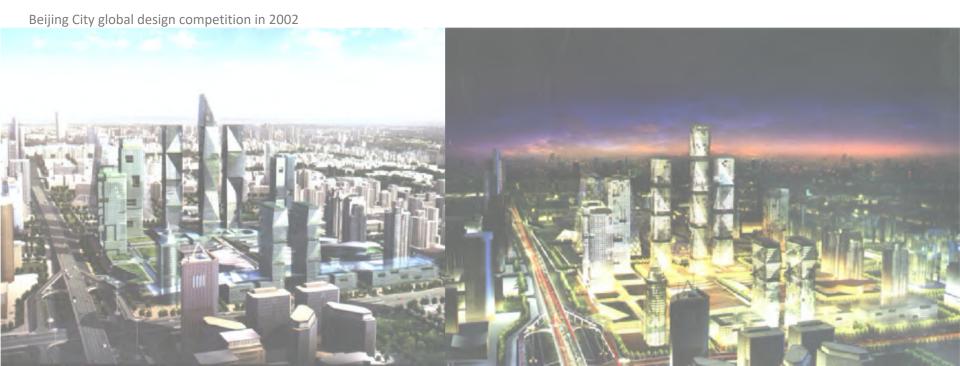


From Wang Yin , Beijing Urban Planning and Design Institute

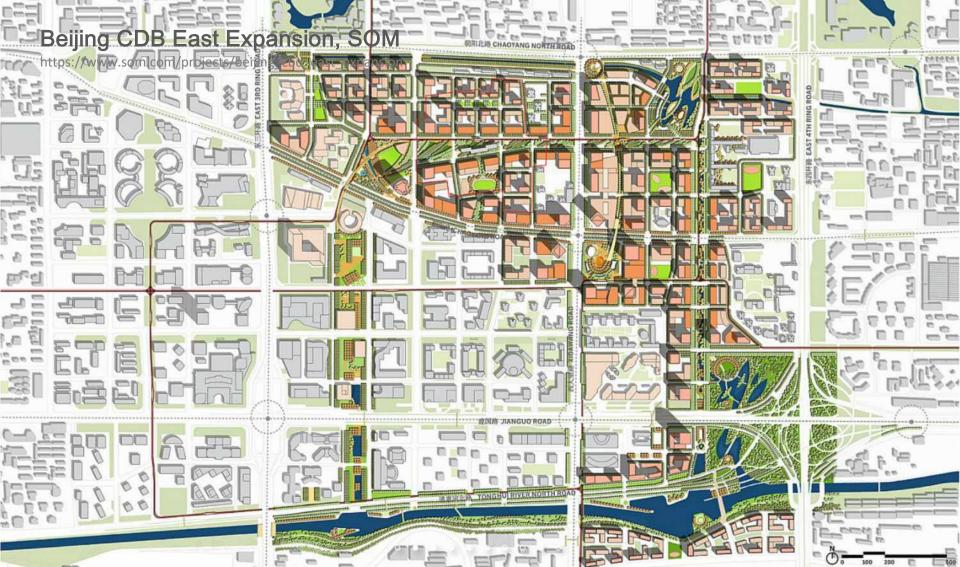
Beijing City global design competition in 2002 and 2009

In 2002, 11 design teams participated in the global competition for Beijing CBD. Pei Cobb Freed & Partners, SOM, China Architecture Design & Research Group, Tsinghua University Architecture Design Institute won the second prize with the vacancy of first prize.

In 2009, SOM won the first prize in the global design competition for CBD east expansion.











Land Use Plan

Legend



Railway

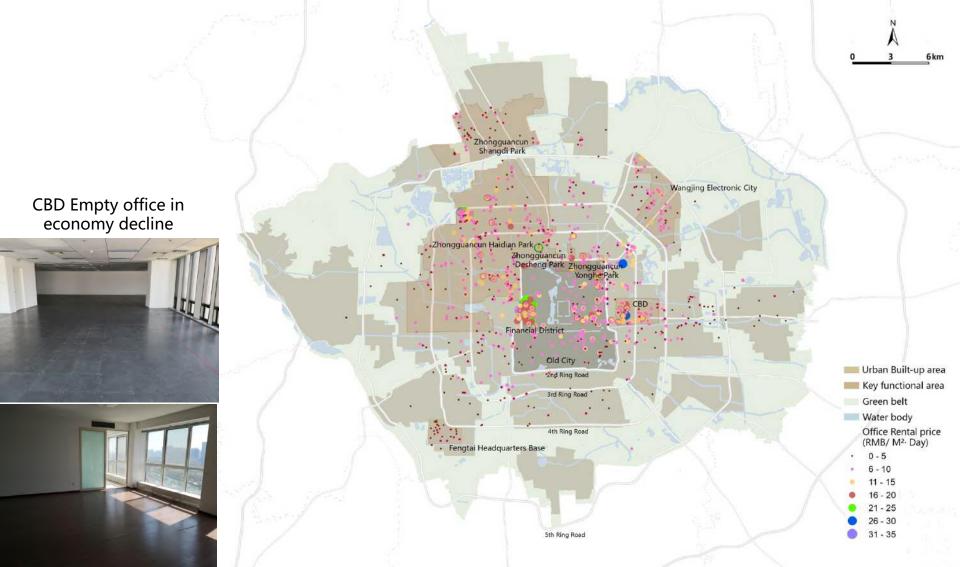


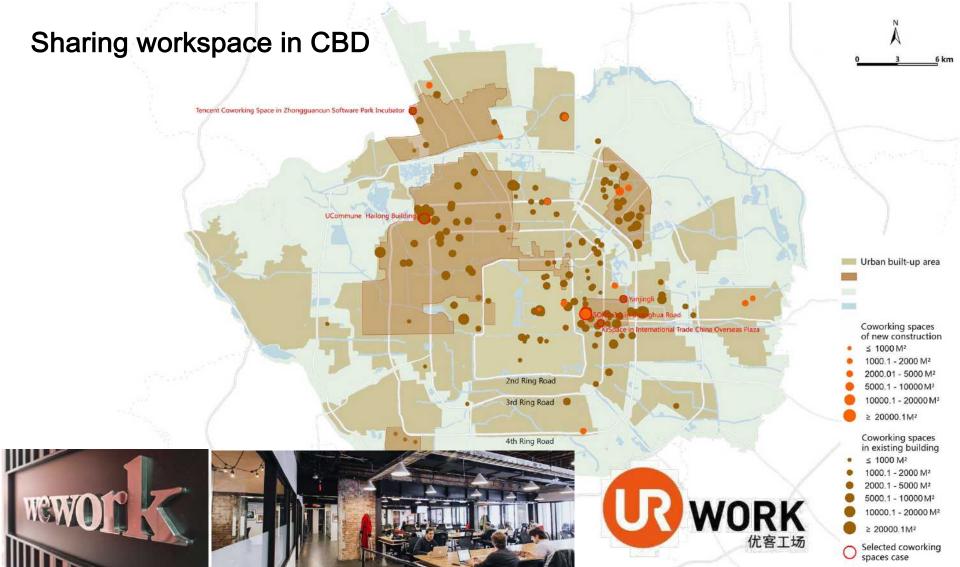
















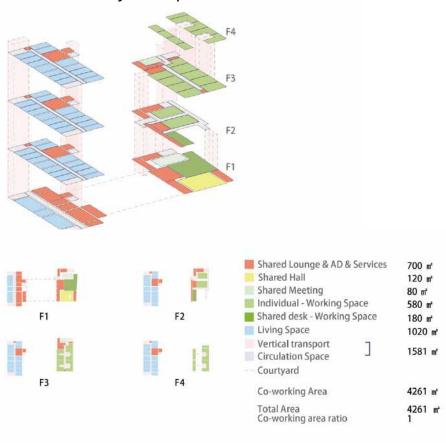






Sharing workspace in CBD

Co-exist with youth apartment



燕京里 Yanjingli







SHARING CITY

Smart, future, shared lifestyle in the modern city: Guomao EPMA Studio introduction + homework







The following is required for each group:

- 1.Case study: a globe case of sharing city life with urban regeneration or smart city design case, and a CBD case in your hometown or country;
- 2.General proposal of the whole site;
- 3. Detailed solution of the specific site.

Sharing cities cases:

sharing living:

- -Upgrading San Rafael-Unido (1st Global Holcim Awards Gold) by Silvia Soonets, Isabel Cecilia Pocaterra, Maria Ines Pocaterra/Proyectos Arqui 5, Urban Integration Project, Caracas, Venezuela
- · -Kozaza and Lobo, Korea
- -The Co-housing scheme of Copenhagen
- -Xiaomi YOU+ youth community in Beijing Suzhouqiao near North West Third Ring , China

sharing working:

- · -Wework in London South End , UK
- -The Hive in Singapore, Hong Kong, Bangkok
- · -KoHub in Koh Lanta, Thailand
- -Yanjingli in Beijing Chaoyang District, China

sharing transportation:

- · -Metro cable, Medellin, Columbia
- -Shared cycling scheme over a few decades in Copenhagen
- -Sweetch (sharing parking) in San Francisco, USA

sharing infrastructure:

- · -Urban Flood Protection Infrastructure (4th Global Holcim Awards Bronze) by BIG, New York City, USA
- -Urban Remediation and Civic Infrastructure Hub (3rd Global Holcim Awards Silver) by Alfredo Brillembourg, Hubert Klumpner/Urban Think Tank, São Paulo, Brazil
- -Marina Barrage, Singapore

Sharing commerce:

- · -Parkview Green, Beijing, China
- -Sino-Ocean Taikoo Li Chengdu, China

Sharing leisure:

- Millennium Park in Chicago, US
- Vessel in New York, US by Thomas Heatherwick
- -1000 trees , Shanghai, China by Thomas Heatherwick

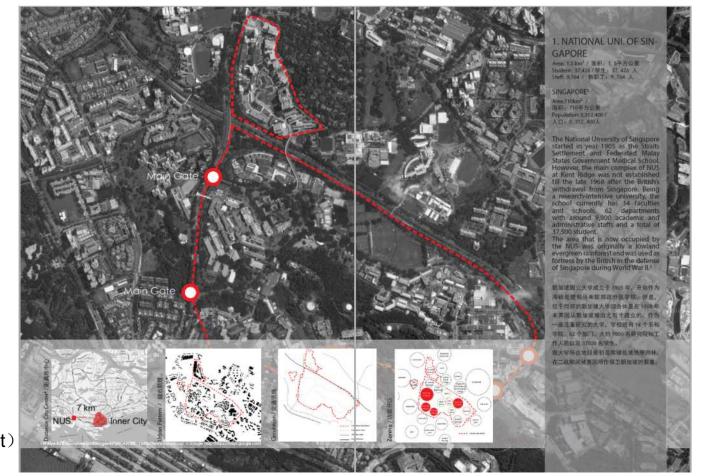
sharing service:

- Micro-Yuan'er (2016 Aga Khan Award for Architecture) by ZHANG Ke, Beijing, China
- - Madinat al Zahra Museum (2010 Aga Khan Award for Architecture) by Sobejano Architects S.L.P, Fuensanta Nieto & Enrique Sobejano, Cordoba, Spain
- Gaoligong Handcraft Paper Making Museum by HUA Li/ TAO Trace Architecture office, Yunan Province, China
- -Friendship Centre (2016 Aga Khan Award for Architecture) by Kashef Mahboob Chowdhury/Urbana, Gaibandha, Bangladesh

Smart cities cases:

- 1. Woven city, designed by BIG
- 2. Masdar city (https://masdarcity.ae)
- 3. New Songdo City, designed by KPF (https://www.kpf.com/projects/new-songdo-city)
- 4. Xiong'an New Area (http://english.xiongan.gov.cn)
- 5. Smarter London Together (https://www.london.gov.uk/what-we-do/business-and-economy/supporting-londons-sectors/smart-london/smarter-london-together)
- 6. Sidewalk Toronto (https://www.sidewalktoronto.ca)
- 7. Smart Seoul (http://digital.seoul.go.kr/eng/smart-seoul/strategy)
- 8. Kashiwa-no-ha Smart City (https://kashiwanoha-smartcity.com/en/)
- 9. Amsterdam Smart City (https://amsterdamsmartcity.com)
- 10. Smart Nation Singapore (https://www.smartnation.sg)
- 11. Smart City Wien (https://smartcity.wien.gv.at/site/en/smart-traffic-lights/)
- 12. Smart Cities New York (https://smartcitiesny.com)
- 13. SmartPORT "DIGITAL": Port of Hamburg (https://www.hafen-hamburg.de/de/presse/media/video/smartport-digital---37960)

Case study: 1. general information (information of city and population, brief introduction of the case, image of location, urban pattern, circulation, zoning, page 1)



Template of Indesign file (fixed layout)

Case study: 2. detailed information (image, photo, diagram, text, etc.. page 2)

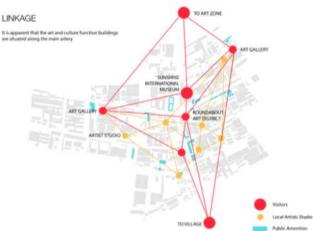
3. Brief study of your case (600-1000 words)



Template of Indesign file (free layout)

General proposal: system analysis and strategies for the whole site







Example: Edge City, 2016

Detailed Design: urban design of the specific site of the topic

