DISCUSSION ON THE URBAN DESIGN OF GUBEI AREA UNDER THE BACKGROUND OF WUHAN HISTORICAL CITY

亢晶晶 Kang Jingjing

Wuhan Land Use and Urban Spatial Planning Research Center (WLSP)
2018年12月
武汉整体概况

Wuhan Contents
Wuhan, also known as "River City", is the capital of Hubei province and the National Central City in central China.
As a national geographic center of China, Wuhan is located in the middle reaches of the Yangtze River. And it has always been hailed as the “thoroughfare to nine provinces”.

从地理区位来看，
武汉地处江汉平原，长江中游，
是承东启西、接南转北的国家地理中心，
自古就有“九省通衢”之称。

武汉整体概况 | Wuhan Contents
武汉整体概况 | Wuhan Contents

从历史人文来看，武汉是国家历史文化名城、楚文化的重要发祥地。拥有丰富的历史文化资源。

As the birthplace of Chu Culture, Wuhan is also a famous city of history and culture with abundant historic and cultural resources.
The Yangtze River and its largest tributary, the Han River, converges in Wuhan, and forming the urban pattern of three towns standing across the rivers, with Turtle Mountain and Snake Mountain on each side, which is rare in the world.
两江交汇，三镇鼎立、龟蛇锁大江的城市山水格局

three towns standing across the rivers with Turtle Mountain and Snake Mountain on each side
龟北片的重要地位及基本情况

Guibeil Area Contents
地理区位的中心
THE CENTER LOCATION OF WUHAN
区域地理位置得天独厚，武汉三镇核心之地

龟北片的重要地位 | Significant of Guibe Area
地理区位的中心
THE CENTER LOCATION OF WUHAN
区域地理位置得天独厚，武汉三镇核心之地
龟北片的重要地位 | Significant of Guibei Area

景观意向的核心
LANDSCAPE CORE AREA OF WUHAN
拥有两江一山一湖的自然生态景观资源，占武汉主城区的45%

Yangtze River
Han River
龟北片的重要地位 | Significant of Guibei Area

景观意向的核心
LANDSCAPE CORE AREA OF WUHAN
与长江南岸的蛇山遥相呼应，形成了“龟蛇锁大江”的核心城市意向
THE ORIGIN OF URBAN DEVELOPMENT OF WUHAN

武漢城市空間拓展以兩江交匯的龜北片為原點，南北沿長江藍軸，東西沿東西山脈綠軸向外不斷向外延伸。
龟北片的重要地位 | Significant of Guibei Area

自98年特大洪水后，龟北地区的开发建备受市委市政府和广大市民的密切关注。历经多轮国际规划征集和比选，市政府决定对该地区进行“留白性保护”。

Since the catastrophic floods in 1998, the development and construction of Guibei area has received close attention from the government and the public. After many rounds of international planning collections, government has decided to carry out "blank reserve" in the area.

历年方案总结：1998年 - 至今
“留白性保护” 的龟北及南岸嘴
“Blank Reserve” in Guibeik Area
Basic Situation of Guibe Area
龟北片现状概况 | Basic Situation of Guibei Area

现状用地情况：现状用地包括南岸嘴滨江公园，龟山公园，汉阳造文创产业园（鹦鹉磁带厂）、特种汽车制造厂、国棉一厂等工业遗产，以及约65公顷的可开发用地等。

There are Nananzui Park, Turtle Mountain Park, three industry heritages , and about 65 hectares of exploitable land.
Three Key Issues: Inconvenient Transportation

龟北片现状概况 | Basic Situation of Guibe Area

城市设计需关注的重点问题：一是交通问题，该地区交通通而不达，一直处于“灯下黑”的困境。
Three Key Issues: Ineffective Utilization of Historical Resources

城市设计需关注的重点问题：资源利用问题，该地区历史人文资源缺乏有效地整合，未能得到有效利用。
Three Key Issues: Inaccessibility of Waterfront Public Space

龟北片现状概况 | Basic Situation of Guibe Area

城市设计需关注的重点问题：滨水景观问题，该地区受到防洪等因素的影响，临水不见水。
城市设计竞赛方案
Urban Design Student Competition Proposal
城市设计竞赛 | Urban Design Student Competition Proposal

今年5月，市国土规划局、市地空中心携手联合国人居署，围绕“提高井缝合城市中心公共空间、复兴城市滨水空间、复兴工业遗迹、促进社会包容性及创新性城市旅游目的地”四大主题，举办武汉历史之城（龟北片）国际学生城市设计竞赛。

In this May, WLPB, WLPS invited United Nations Human Settlements Programme to organize the International Student Urban Design Competition for this area.
城市设计竞赛 | Urban Design Student Competition Proposal

共收到来自全球数十个国家的学生作品，共计53份，其中境外32份。

A total of 53 student works have been received from dozens of countries around the world, of which 32 are from abroad.
**Urban Design Student Competition Proposal**

评审专家团队由联合国人居署专家、地空中心专家及历史之城项目组、高校教授共同组成。

Review expert team = UN-HABITAT + WLSP + Historic city Team + University Professor

<table>
<thead>
<tr>
<th>等级</th>
<th>No.</th>
<th>Name of team leader</th>
<th>Designing Themes</th>
<th>Nationality</th>
<th>Countries of where the team is studying</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>155</td>
<td>Meher Afjun Faria</td>
<td></td>
<td>Bangladesh</td>
<td>Bangladesh</td>
</tr>
<tr>
<td></td>
<td>69</td>
<td>Mariam Kassem Bazzi</td>
<td></td>
<td>Lebanese</td>
<td>Lebanon</td>
</tr>
<tr>
<td></td>
<td>148</td>
<td>Siti Anura Binti Che Nasir</td>
<td></td>
<td>Malaysian</td>
<td>Malaysia</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>Tasnuva Zaman</td>
<td></td>
<td>Bangladesh</td>
<td>Bangladesh</td>
</tr>
<tr>
<td></td>
<td>119</td>
<td>Nikola Mitrovic</td>
<td></td>
<td>Serbian</td>
<td>Serbia</td>
</tr>
<tr>
<td>2</td>
<td>120</td>
<td>Md. Saiful Alam</td>
<td>Urban Heritage and Transformation</td>
<td>Bangladesh</td>
<td>Bangladesh</td>
</tr>
<tr>
<td></td>
<td>94</td>
<td>Daniel Janssen</td>
<td>From the heart of China to the centre of the world</td>
<td>Australian</td>
<td>Australia</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>Huang Chi Ho</td>
<td>Cultural Furnace</td>
<td>China Hong Kong</td>
<td>China Hong Kong</td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>YANG Kun</td>
<td>Co-Existence City</td>
<td>Chinese</td>
<td>China</td>
</tr>
<tr>
<td></td>
<td>49</td>
<td>YUAN Jingda</td>
<td>Xing Sheng</td>
<td>Chinese</td>
<td>China</td>
</tr>
<tr>
<td></td>
<td>143</td>
<td>Gao Tongxi</td>
<td>Symbiosis with natural and cultural context</td>
<td>Chinese</td>
<td>China</td>
</tr>
<tr>
<td></td>
<td>157</td>
<td>MA Xiaosong</td>
<td>Fluidity and Symbio</td>
<td>Chinese</td>
<td>China</td>
</tr>
<tr>
<td>1</td>
<td>151</td>
<td>Muhammad Syahmi Bin Sallehadin</td>
<td>Creative Industrial Park</td>
<td>Malaysian</td>
<td>Malaysia</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>LIU Ruoshui</td>
<td>Wuhan’s Wilder Heart</td>
<td>Chinese</td>
<td>USA</td>
</tr>
<tr>
<td></td>
<td>107</td>
<td>WANG Fujing</td>
<td>Breathing Link</td>
<td>Chinese</td>
<td>China</td>
</tr>
</tbody>
</table>
The design scope of this scheme is north of Guishan Mountain in Hankou, east of Hankou avenue to the south bank mouth, for a total planning area of 167 hectares. This project intends to construct a public activity axis system in Guibi District, in order to integrate the abundant natural resources and cultural resources such as Qintai Cultural Center, Third Park, Guishan, Nan anzi, Qingchuan Pavilion, Yangtze River, forming a complete cultural belt and constructing a new city center and city card of Wuhan.

In combination with the status quo of the base, fully tapping the existing foundation, we divided the public activity zone into different areas, giving different meanings. From west to east, it is the commercial transportation complex, creative cultural industry leisure belt, industrial area transformation large-scale public activity belt, Hankou folk custom...
城市呼吸带 | Urban Breathing Link
02 武汉野心 | Wuhan Wild Heart
Wuhan Wild Heart

Natural Cooling Units

Since Wuhan is one of the hottest cities in China, people need to have a cool spot while going on a trip. We set up a series of places on the mountain for people to escape from the heat during summer time. The reason we choose to locate these shading units on the mountain is that the temperature is lower compared to the bottom, and also Guisan mountain is close to many famous cultural sites so that residents and tourists can get to the natural-cooling places easily.

The Maze:
Using wood material and steel to build a maze for children and young people to play games and wander.

Industrial Entertaining Units

Our site is located in an industrial site, therefore, there are some industrial relics located among residential buildings. So we’re going to build up entertaining units on the base of these relics using old metal materials and structural steel frames.

Roller Game:
This game is using rollers arranged in lines for children to touch, move and change the composition of numbers and signals on the rollers.
02 武汉野心 | Wuhan Wild Heart
Wuhan Wild Heart

Made in Hanyang to Made in Wuhan:
AHP Oriented Central Cultural District Design

View Point:
The intersection of the Yangtze River and the Han River

Wuhan Wild Heart

Intangible Cultural Heritage Performance Area

Food Factory: Intermittent Food Area

Food Factory: Traditional Food Area

Sponge & Musical Park

Tortoise Mount TV Tower

Hanyang Park: For Recreation and Nature & Environmental Education

River Bank Corridor:
A walkway decorated with installation arts related to Hanyang’s proud industrial history
龟山创意工业园 | Turtle Mountain Creative Industry Park
03 龟山创意工业园 | Turtle Mountain Creative Industry Park

滨水区
waterfront layer
龟山创意工业园 | Turtle Mountain Creative Industry Park

陆地区
land layer
龟山创意工业园 | Turtle Mountain Creative Industry Park

山地

mountain layer
关注重点方面：
需明确规划价值评判和目标体系，重点考虑便捷可达、生态滨水、历史遗存、功能定位等方面。

- Convenient and accessible public space 便捷及可达的公共空间
- Ecological Waterfront Places 生态滨水公共空间
- Historical Remains and Public Space 历史遗存与公共空间
- Public Space with Complex Functions 功能复合的城市中心区公共空间
Convenient and accessible public space

- 优化区域交通 | Optimize Regional Transportation
- 协调内部交通 | Coordinate Internal Traffic
01 优化区域交通 | Optimize Regional Transportation

50-Co-Existence City
Coordinate Internal Traffic

143-Symbiosis With Natural And Cultural Context
Coordinate Internal Traffic
Coordinate Internal Traffic

Symbiosis With Natural And Cultural Context
02 Coordinate Internal Traffic

143-Symbiosis With Natural And Cultural Context
Ecological Waterfront Public Places

- 海绵景观设计 | Sponge Landscape Design
- 滨水活力轴线 | Waterfront Dynamic Axis
- 三镇未来地标 | Future Landmarks of Wuhan
海绵景观设计 | Sponge Landscape Design

107-urban Breathing Link
Sponge Landscape Design

54-Cultural Furnace
The whole design adheres to the principle of green and sustainable design by making full use of the natural landscape terrain, compactly distributing buildings and retaining large natural areas to construct buildings, preserving the landscape, and utilizing green materials effectively, and intervening the least facilities, thus achieving sustainable development.
02 滨水活力轴线 | Waterfront Dynamic Axis

157-Fluidity and Symbio
03 Future Landmarks of Wuhan

54-Cultural Furnace
三镇未来地标 | Future Landmarks of Wuhan

50-Co-existence City
三镇未来地标 | Future Landmarks of Wuhan

50-Co-existence City
Historical Remains and Public Space

- 传统文化继承与创新 | inheritance and innovation of culture
- 工业遗产的利用 | the utilization of industrial heritage
01  传统文化继承与创新 | inheritance and innovation of culture

- 晴川夕照
- 禹祠古柏
- 古渡秋风
- 金沙落雁
- 江汉朝宗
- 桃源渔歌
- 古城却月
- 月湖夜月
- 大别晚翠
- 鹤楼晴眺
02 工业遗产的利用 | the utilization of industrial heritage

151-Creative Industrial Park
Industrial heritage utilization | the utilization of industrial heritage

Wuhan Wild Heart

Natural Landscape

Due to Wuhan's extensive industrial history, it has become a popular tourist destination and recreational area. The city's urban landscape is a reflection of its past industrial heritage, with numerous cultural and historical sites scattered throughout the city. The utilization of industrial heritage is not only a way to protect and preserve the city's cultural heritage but also a means to revitalize the city's economy and promote tourism. The integration of industrial heritage into urban planning helps to create a harmonious and sustainable cityscape.

Industrial Heritage

The integration of industrial heritage into urban planning requires a careful balance between preserving the historical value of the sites and adapting them to meet modern-day needs. This approach not only preserves the city's industrial legacy but also contributes to the city's economic development by attracting tourists and investors.

Industrial Features

The utilization of industrial heritage should be guided by an understanding of the industrial features and their historical context. This approach involves the preservation of the industrial features and the integration of new functions to create a vibrant and dynamic urban environment.

Industrial Landscape

The industrial landscape is characterized by a mix of historical and modern elements, creating a unique and dynamic urban environment. This approach not only preserves the historical value of the sites but also contributes to the city's economic development by attracting tourists and investors.

Industrial Spirit

The utilization of industrial heritage should be driven by a spirit of innovation and creativity, allowing the city to adapt to the changing needs of its citizens. This approach involves the preservation of the industrial heritage while simultaneously adapting it to meet modern-day needs.
the utilization of industrial heritage
Public Space with Complex Functions

功能复合的城市中心区公共空间

活力的城市中心区域 | vibrant urban central area
01 vibrant urban central area

107-Urban Breathing Link

50-Co-existence City
Findings
THANK YOU