<table>
<thead>
<tr>
<th>Country / City</th>
<th>China</th>
</tr>
</thead>
<tbody>
<tr>
<td>University / School</td>
<td>Beijing Forestry University</td>
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<td>Academic year</td>
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<tr>
<td>Title of the project</td>
<td>Urban rationality from the perspective of river —the urban planning and design based on resilience landscape</td>
</tr>
<tr>
<td>Authors</td>
<td>Hu Yaqi, Yu Jialin, Yuan Yadi, Xu Zhicheng, Chen Xinyu, Gao Mengxue</td>
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PERFORMATIVE NATURE
Barcelona International Landscape Architecture Biennial

September 2018 - Barcelona
SCHOOL PRIZE

X International Landscape Architecture Biennial
Máster d’Arquitectura del Paisatge -DUOT - UPC
ETSAB- Escola Tècnica Superior
d’Arquitectura de Barcelona
Avenida Diagonal, 649 piso 5
08028 Barcelona-Spain

TECHNICAL DOSSIER

Title of the project: Urban Rationality from the Perspective of River
Authors: Hu Yaqi, Yu Jialin, Yuan Yadi, Xu Zhicheng, Chen Xinyu, Gao Mengxue
Title of the course: Landscape Architecture Studio
Academic year: 2016-2017
Teaching Staff: Zhang Jinshi, Cui Liu, Cui Qinwei, Li Liang, Zhang Yunlu
Department/Section/Program of Belonging: School of Landscape Architecture
University/School: Beijing Forestry University

With the process of the urbanization, river habitats are disappearing rapidly due to the land expansion and water wasting. City development seems to be in conflict with natural habitats. Lots of rivers and wetlands are unable to function well in developing cities.

The site, located in Changping District, Beijing, is an urban fringe area which is surrounded by wastelands and temporary building. Our urban planning is from the perspective of nature elements, such as rivers, and seek to find a solution based on the idea of resilience by establishing a place that can adapt to the natural change of time. All the green spaces, waterfront landscapes and ecological habitats will be changed fundamentally.

For further information
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URBAN RATIONALITY FROM THE PERSPECTIVE OF RIVER

----- The Urban Planning and Design Based on Resilience Landscape

GIS ANALYSIS

- Water area
- Vegetation coverage
- Landscape greening
- School distribution
- Soil quality
- Population density
- Park suitability
- Site selection of green spaces
- Suitability of residential area
- Site selection of park
- Business suitability
- Site selection of business

MASTER PLAN

TRANSPORTATION SYSTEMS PLANNING

- Road system
- Bus Station
- Traffic connectivity
- Non-motorized transport
- Connectivity of green spaces
- Connectivity of non-motorized transport
**DESIGN STRATEGY**

- Water resilient
- Waterfront resilient
- Urban resilient
- Water industry
- Construction suitability
- River system improvement
- Traffic system improvement
- Green space system

**REVETMENT DESIGN**

- Highway construction
- Roof garden construction
- Agricultural landscape
- Brownfield restoration
- Ecological assistance

**SILT RESILIENCE STRATEGY**

- Drain design
- Water use
- Water cycle
- Farmland irrigation

**AQUACULTURE SYSTEM STRATEGY**

- Residential area
- Industrial area
- High-tech area
- Agriculture
- School
- Business

- Entertainment
- Power generation
- Water cycle
- Irrigation
- Education
- Tourism