Green flows: connecting the post-industrial riverfront of Belgrade with the city

Graduation Studio “Flowscapes: Infrastructure as Landscape - Landscape as Infrastructure”_P5 presentation_03.07.2014_Anna Ioannidou
1. Introduction to the context

2. Problem statement

3. Research question

4. Context analysis

5. Precedents study

6. Design
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6. Design
Belgrade
City and riverfront
1. Introduction to the context

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6. Design
Disconnection
between the city of Belgrade and its riverfront
Historical and spatial development
Why and how is Belgrade disconnected from its riverfront?

1. Geomorphology
2. City growth
3. Industry location
4. Infrastructure
5. Land use
6. Accessibility
Geomorphology
City location
City growth
Radials
City growth
Connection with New Belgrade
City growth
Undeveloped part of the riverfront
Industry location
Land use

1. Green & Recreation
2. Industry & infrastructure
3. Residential use
4. Commercial & Business
1. Accessible
2. Medium accessibility
3. Inaccessible
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How can we spatially establish a connection / relation of the city of Belgrade with its riverfront?
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6. Design
Positive traits
Cultural - historic sites and monuments

[Map of cultural historic sites and monuments]
Positive traits
Green spaces
Problems
Lack of structure and connections of green spaces

Existing situation

Master plan for 2021
Problems
Economical Activity: Industry, Infrastructure etc.

Existing situation

Master plan for 2021
Opportunities
Relocation of transportation infrastructures

- Industrial port
- Central Railway Station
- Highway by-pass
Opportunities
Future redevelopment (master) plans
1. Ada Ciganlija (recreation & sports island)
2. Belgrade fairground
3. Central station
4. Savamala
5. Touristic port (Concrete Hall)
6. Kalemegdan fortress
7. Dorcol residential area
8. Marina Dorcol
9. Industrial port
10. Ada Huja (natural area mixed with industrial uses)
Neighborhoods
Spatial analysis

1. Ada Ciganlija (recreation & sports island)
2. Fairground
3. Central station
4. Savamala
5. Touristic port
6. Kalemegdan fortress
7. Dorcol residential area
8. Marina Dorcol
9. Industrial port
10. Ada Huja (natural area mixed with industrial uses)
Neighborhoods
Qualitative analysis

1. Ada Ciganlija (Recreation & Sports Island)
2. Belgrade Fair
3. Sava Amphitheater_ Railway Terminal
4. Savamala
5. Touristic port
6. Kalemegdan Fortress
7. Dorcol residential Area
8. Marina Dorcol
9. Industrial port
10. Ada Huja (Natural Area Mixed with Industrial Uses)
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Case studies
Toronto central waterfront

West 8
Case studies
Hafencity Hamburg
Strategies
Parallel connection

Toronto

Bordeaux

4. Primary Waterfront

5. Urban Corridors

Strategy 1: Horizontal connection
Strategy 1: Horizontal connection & Strategy 2: Vertical Connection
Strategies
Perpendicular connection

Toronto

Bordeaux
Strategies
Fill – in matrix

Bordeaux
Strategies
Anchor points

Toronto

Hamburg
Strategies
Connecting existing green spaces

1. Parks

2. Landscape Elements

Strategy 4: Points of Attraction

Strategy 5: Connecting Existing Green Spaces

Toronto
Slow movement recreational corridors:
- Bicycle
- Pedestrian
- Wetland
- Forest
- Intermediate zone (together with watercourse)

Master plan:
- All layers

Ecological corridors:
- Perpendicular green corridors
- City extension

Perpendicular connection strategy
Connecting existing green spaces strategy
Fill – in / matrix strategy
Parallel connection strategy
Anchor points strategy
Master Plan
Zones

Riparian zone

Parallel connection

Perpendicular connection

Green corridors

Connecting existing green spaces
Master Plan
Ecological corridors

- Wetland
- Forest
- Urban park
- Intermediate zone
- Perpendicular green corridors

Parallel connection
Connecting existing green spaces
Fill – in / matrix strategy
Perpendicular connection
Riparian zone
Slow movement recreational corridors / paths
Riparian zone
City edge

Fill – in / matrix strategy
Selected areas

Marina Dorcal

Touristic port

Industrial port
Selected areas
Industrial port

Touristic port

Industrial port
Selected areas
Industrial port

emptiness / monumental industrial heritage / unrefined / raw / out of human scale - proportion
Selected areas
Public spaces on the water edge - Industrial port
Selected areas
Public spaces on the water edge - Industrial port
Selected areas
Public spaces on the water edge - Industrial port
Selected areas
Public spaces on the water edge - Industrial port

Dissolving the borders between land and water / cracks / re – use of industrial heritage (cranes, silos, buildings etc.)
Network of public spaces for the neighborhood - Marina Dorcol
Network of public spaces for the neighborhood - Marina Dorcol
Network of public spaces for the neighborhood - Marina Dorcol
Network of public spaces for the neighborhood - Marina Dorcol
Touristic Port - Concrete Hall

Marina Dorcal

Touristic port

Industrial port
Touristic Port - Concrete Hall
Green parking terrace on the Concrete Hall
Green parking terrace on the Concrete Hall
Green parking terrace on the Concrete Hall
Green parking terrace (Touristic port)
Conclusions

Infrastructure

Natural landscape

Industry

Infrastructure and landscape

Urban landscape

Industry and landscape
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