A global multidisciplinary network on housing research and learning

TASK 3

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TASK 3 - Urban planning revitalization of riverfront area Kosančićev Venac - the vector of sustainable urban development for surrounding areas. On analysis of European practice of urban planning.
Urban riverfront regeneration

1. Analysis of the problem - the drama of development the territory

2. The definition zone of concentration - the definition most problematic area for urban revitalization

3. The analysis analogs practice town-planning which are most appropriate as examples. The focus on historical and a cultural aspect

Riverfronts are part of the existing urban fabric
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The most problematic areas for revitalization Kosančićev Venac are sites located in the inner part of area. This is due to the fact that there is a functional heterogeneity of the territory and architectural diversity of existing buildings and structures, that requires a fairly significant investments for regeneration of the territory.
Analysis of the existing urban planning context allows to define the main directions of urban planning revitalization Kosančićev Venac. Namely, the vector of urban development it is advisable to determine the riverside area. Analysis of the current urban planning practice has shown that revitalization of coastal territories gives an active social and economic impulse to the development of not only the surrounding areas of the city, but also the entire urban fabric.
Riverfronts are part of the existing urban fabric

Case studies

Kosančićev Venac, Belgrade

integrated

permeability

availability accessibility

environmental friendliness and hybrid

Projects of forming social and recreational areas of Volgograd embankments in connection with the city adjacent areas. The research part of the project. Thesis Project by T. Ilyukhina, supervisor – Professor E. Krasilnikova.
Principles of coastal territory public area urban planning arrangement

The peculiarities of landscape and urban planning structure of coastal territories defines certain principles of creating public area. The most important ones are:

- **Availability**;
- **Contextual innovation**;
- **Safety and bio-positivity**;
- **Hybridism** which means urban planning hybridism and flexibility of planning arrangement of the territory.

Availability of public areas must be provided by efficient transport infrastructure of a coastal territory in connection with the urban transport structure. Each public area regardless of its scale and purpose must be both available and convenient for citizens to visit. The arrangement of coastal territory transport structure must be based on integration of its public areas into the city system and represent itself as a united system of landscape improved communicative social and transport areas for pedestrians and cyclists.
Regeneration riverfront areas Kosančićev Venac can be based on the priority use of the principle of contextual innovation

The principle of contextual innovation - is based on the human scale and the environment, friendliness, permeability and historical context of the be created hybrid space, which should be reflect the regional and landscape features of the territory. The historical continuity, namely the conservation and rethinking the traces of history to left the memory of the past, and it preserves the identity of the areas with the formation of a new structure of urban space. The principle of contextual innovation is as the basis for the concept of the Sofia Embankment in Moscow. The adaptation of the project to its historical (monumental) surroundings is formed by the accomplishment pedestrian arteries and historical routes, crossing the proximal areas of the city, as well as by adapting the scales of new buildings to the neighboring buildings and green spaces.

Case studies

Crimean embankment in Moscow. 2013. Designers: MAAPI by name of academic Polianskiy and the Bureau Wowhouse, architect is Dmitry Lekin, Oleg Shapero.

Hybrid space

History

Culture + Urban

Nature - Landscaping

Public space is a priority
Public access is a prerequisite

Crimean embankment in Moscow. 2013. Designers: MAAPI by name of academic Polianskiy and the Bureau Wowhouse, architect is Dmitry Lekin, Oleg Shapero.

(Photo © E.Krasilnikova)
Case studies

Hybrid space

Belgrade Waterfront is developing

History

The historic identity gives character

Culture + Urban

Public space is a priority

Nature - Landscaping

Public access is a prerequisite

Zariadiye Park competition project. Moscow Embankment (Diller Scofidio + Renfo group of companies, Citymakers are the winners of the 2013 competition). http://archi.ru/russia/51824/proekt-parka-zaryade-v-detalyakh
Case studies

Hybrid space

History

Culture + Urban

Housing

Nature - Landscaping

Mixed use is a priority
Public access is a prerequisite

Quatier Massena, Paris, Christian de Portzamparc, 1995-2012
http://www.christiandeportzamparc.com/fr/projects/quartier-massena/
Case studies

Glass Bubble Neptuna – Malmö
Architect Monika Gora, 2006

Public access is a prerequisite

Donaukanal embankment in Spittelau district, Vienna. Slop playground, photo 2010

Glass Bubble Neptuna – Malmö
Architect Monika Gora, 2006

Climate greenhouse café, Malmö, B01 district, Sweden, photo 2008.
Case studies

Safety and bio-positivity (landscape and environmental adaptation)

The principle of the landscape and environmental adaptation - is the recovering of a natural priority in urban spaces. This principle is based on the application of theoretical concepts of landscape urbanism. Using the principle of the scenario approach formed a local "green" or "blue-green" network public and recreational spaces in the structure of the hybrid spaces. The maximum inclusion in the structure of the "green framework" of natural components of the landscape is formed by applying the biophylic approach. The structuring the social and recreational spaces takes place through the use of not only one of the main principles of the theoretical concept of landscape urbanism - the use of horizontal surfaces in the formation of a "green infrastructure". This process involves all buildings and facilities that be form the hybrid space, regardless of their functionality. The formation of a local green infrastructure of hybrid space (based on the scenario approach) is integrated with the transport system of the frame area and pedestrian connections - thus created (provided) connection to the surrounding territories.

http://www.amazon.com/gp/product/1597267155/ref=pd_lpo_sbs_dp_ss_2?pf_rd_p=1944687502&pf_rd_s=lpo-top-stripe-1&pf_rd_t=201&pf_rd_i=0470163348&pf_rd_m=ATVPDKIKXODER&pf_rd_r=0EE2FMQH4DDZ3V1T37J2
Public access is a prerequisite

RHONE RIVER BANKS
In Situ Architectes Paysagistes
Landscape Architecture: IN SITU Architectes Paysagistes (Annie
Safety and bio-positivity

Utilization of the “natural style” in floral decoration of a social and pedestrian area of the embankment backshore in Copenhagen, 2008.

Dania park in Malmö. Using the “natural style” in creating landscape compositions of the main pedestrian promenade at the Dania park embankment. Regional approach to the arrangement of the greening system of the park, 2008.
• Resourses

• 3. Heart of the City the project of the regeneration of the historical part of Kaliningrad, Korolevskaya Gora and Its Surroundings, http://www.tuwangste.ru/contests/contest_1/20141007_journal_10_02_body_web.pdf
• 5. Krasilnikova, E., Antjufeev A. Creation of costal and recreation spaces on coastal territories, Strategic decision making in spatial development., peer-reviewed collection of contributions, ROAD and SPECTRA Centre of Exellence EU, STU, Bratislava, pp 59-87, 2014

http://www.christianendeportzamparc.com/fr/projects/quartier-massena/
• http://belgraderednet.com/belgrade_history.html
• http://www.belgradian.com/sightseeing/savamala/
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• http://www.biophilicdesign.net/

http://www.amazon.com/gp/product/1597267155/ref=pd_lpo_sbs_dp_ss_2?pf_rd_p=1944687502&pf_rd_s=lpo-top-stripe-1&pf_rd_t=201&pf_rd_i=0470163348&pf_rd_m=ATVPDKIKX0DER&pf_rd_r=0EE2FMQH4DDZ3V1T37J2
• http://rijsoort.nl/en/projects/architecture/glass-bubble-malmo
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