

Pecha Kuchas - Biodiversity 02: Green infrastructure and urban forestry

<https://cslide.ctimeetingtech.com/eco21/attendee/confcal/show/session/78>

Session Type Pecha Kuchas

Date 02/24/2022

Session Time 02:00 PM - 03:00 PM

Room Hall A

ECOLOGICAL URBANISM AS A CONDITION FOR URBAN LIFE OF THE INTERNALLY DISPLACED PEOPLE IN COLOMBIA

Presenter Phoenix S. Paz (Colombia)

Lecture Time 02:00 PM - 02:05 PM

PRESERVING NATURE WITHIN REGULATION OF MILEŠEVKA RIVER

Presenter Borjan Brankov (Serbia)

Lecture Time 02:05 PM - 02:10 PM

MAKING CITIES GREENER APPLYING ENVIRONMENTAL (EP) AND GREEN PERFORMANCE TOOLS TO ASIAN AND EUROPEAN CITIES, USING THE EP TOOL TO DEVELOP A GREEN CITY ACTION-PLAN

Presenter Ogenis M. Brillhante (Netherlands)

Lecture Time 02:10 PM - 02:15 PM

THE OTHER FOREST: A NATURE-BASED TOOL FOR ECOLOGICAL AND SOCIAL REGENERATION

Presenter Adib Dada (Lebanon)

Lecture Time 02:15 PM - 02:20 PM

IMPACTS OF SOIL ENGINEERING ON EARTHWORM BIOTURBATION PATTERNS

Presenter Jeanne Maréchal (France)

Lecture Time 02:20 PM - 02:25 PM

GREENING URBAN AVENUES AND PARKS WITH RARE, ENDEMIC AND THREATENED TREES: KNOWLEDGE FROM WAYANAD DISTRICT OF KERALA, INDIA

Presenter Sivan V. Valarukattil (India)

Lecture Time 02:25 PM - 02:30 PM

MAPPING THE CLIMATE CONNECTIVITY OF FORESTS AROUND EUROPE

Presenter Qiyao Han (China)

Lecture Time 02:30 PM - 02:35 PM

A GREEN, INCLUSIVE AND SUSTAINABLE PROJECT IN THE NOVOLI DISTRICT, FLORENCE

Presenter Chiara Odolini (Italy)

Lecture Time 02:40 PM - 02:45 PM

Preserving nature within regulation of Mileševka river

Tijana Crnčević¹, Božidar Manić², Borjan Brankov³

The paper presents an urban planning approach to nature protection and riverbed regulation on the example of the Detailed regulation plan for the "Mileševka riverbed with a part of the protected environment of Mileševa monastery" which promotes nature protection and natural landscaping of the Mileševka riverbed and riverside, as well. The area covered by the Plan mostly consists of low urbanized or partially urbanized zones of the municipality of Prijepolje (which extends into the southwestern part of Serbia), while the southeastern part of the Plan encompasses rural area. The special significance of the Plan is in the presence of protected spaces – a part of the plan's area is located within the Protected Natural Area of the Mileševa Monastery, as well as in the ecological network of the ecologically important area "Uvac and Mileševka". Further, the existing land use of the area covered by the Plan includes green areas stretching from the central city park, throughout the undeveloped riverside of the Mileševka river and up to the protected surroundings of the monastery Mileševa. The Plan also includes residential areas with unevenly developed infrastructure (especially drinking water and sewage networks) and underdeveloped commercial facilities.

Aiming to preserve the riverside vegetation along Mileševka river in its natural and close to natural state, the planning solutions promote nature protection and, in that sense, support the formation of a green corridor – linear park that includes existing vegetation as well as forests and forest land. All landscape interventions correspond with the Project for the Mileševka riverbed regulation and imply, above all, the respect of the landscape naturalness so that the planning solutions are fitted into the environment and connect the subject area with the landscape. For the protective green corridor – linear park, the rules of arrangement and construction are conditioned by the width, position in space and gravitational area they serve. Thus, in addition to planting, on the surface of up to 5%, the planning solutions envisage pedestrian and bicycle paths, the construction of accompanying indoor facilities (places for rest, music and art pavilions, picnic points, etc).

Key words: *nature, preserving, river regulation, green corridor, Mileševka river*

1 Tijana Crnčević (✉), tijana@iaus.ac.rs, PhD., Senior Research Associate, Institute of Architecture and Urban&Spatial Planning of Serbia, Belgrade, Serbia

2 Božidar Manić, bozam@iaus.ac.rs, PhD., Research Associate, Institute of Architecture and Urban&Spatial Planning of Serbia, Belgrade Serbia

3 Borjan Brankov, borjan@iaus.ac.rs, Research Assistant, Institute of Architecture and Urban&Spatial Planning of Serbia, Belgrade, Serbia