

e

e

Book of Abstracts

O

**Conference
Eco-friendly
Built Environment**

March 1-2, 2023
University of Belgrade -
Faculty of Architecture

Title of the publication |
**Book of Abstracts:
Conference Eco-friendly Built
Environment**

Editors |
**Aleksandra Milovanović
Aleksandra Đorđević
Mladen Pešić**

Publisher |
**University of Belgrade -
Faculty of Architecture**

For publisher |
Vladimir Lojanica

Number of copies |
100

Print |
**University of Belgrade -
Faculty of Architecture**

Place and year of issue |
Belgrade, 2023

ISBN-978-86-7924-326-3

Funded by



Co-funded by
the European Union

Erasmus+
Erasmus Mundus
Design Measures (EMDM)

Hosted and
organized by



Organizing Board |
Ana Nikezić
Vladan Đokić
Budimir Sudimac
Jelena Ristić Trajković
Aleksandra Milovanović
Aleksandra Đorđević
Mladen Pešić

In cooperation with



**RIGA TECHNICAL
UNIVERSITY**



**Università
di Genova**

Media support



GRADNJA
ODGOVOR KUĆU GRADI

gradnja.rs

ECOBUILT Project

The project entitled *Eco-friendly Built Environemtn* (ECOBUILT) is implemented as a part of the Erasmus+ Mundus Design Measures Action (EMDM) in the period from February 2022 to April 2023. The project is led by RTU in collaboration with researchers from UB-FA and UNIGE.

The reason for undertaking ECOBUILT Consortium is based on the recognition that the framework of research, practice and education in the field of architectural and urban design faces numerous eco-oriented challenges and thematic issues such as climate change, environmentally sensitive development, green economy, sustainable cities and human settlements, and preservation of biodiversity and ecosystems. Above mentioned challenges require vital research and continuous improvement of curricular and extracurricular activities in a higher education, which should, in order to have a successful outcome, be transnationally carried out.

Objectives

- To enhance the quality of the architectural and urban design higher education by pooling expert resources from three universities.
- To equip the future graduates of the programme with the knowledge, skills, and competences which will help them to set the trends in a dynamically changed environment.
- To embrace new concepts of teaching and learning in a subject field.
- To effectively work in different locations and cultures, and bridge Europe's skills and competences gap in Eco-friendly Built Environment.
- To enhance the employability of the graduates by providing various learning paths in accordance with the-state-of-the-art trends in green architecture and urban greening.
- To design and develop the tracks which will provide an opportunity to carry out the main goal of the EHEA initiative – to increase staff and student mobility and to increase graduates' attractiveness at the labour market through rendering talent and raising innovation.
- To secure sustainable impact on the human health and environment in the long run through graduates' conscious efforts to design buildings, natural zones, cities, and villages with minimum effect on the environment.

Editors Note

ECOBUILT (Eco-friendly Built Environment) Conference aims to gather participants of various profiles and expertise who will present current approaches, tendencies and thematic practices in the domain of sustainable built environment. The conference aims to encourage and open a dialogue between academia and practice with the idea of exchanging expert knowledge, methodologies and approaches in the educational and professional arena of architecture and urbanism. The thematic focus of the conference is on innovative practices and learning and teaching skills, as well as new approaches to higher education in the field of environmentally friendly built environment through four challenges: green architecture, urban design, landscape design and restorative design.

Consortium members

RTU: Riga Technical University, Latvia:

Dana Beļakova, Project coordinator + Andra Ulme, Manager for Dissemination + Edgars Kirilovs, Project expert + Ilze Baltiņa, Manager for Quality Control + Silvija Kukle, Project expert + Gunta Zommere, Project expert + Inese Ziemele, Manager for Sustainability

UB-FA: University of Belgrade - Faculty of Architecture, Serbia:

Ana Nikezić, Scientific coordinator + Vladan Djokić, Project expert + Budimir Sudimac, Project expert + Jelena Ristić Trajković, Project expert + Aleksandra Milovanović, Manager for Dissemination + Mladen Pešić, Manager for Quality Control + Aleksandra Djordjević, Manager for Sustainability

UNIGE: University of Genoa, Italy:

Vittorio Pizzigoni, Scientific coordinator + Christiano Lepratti, Project expert + Emanuele Sommariva, Project expert + Renata Morbiducci, Project expert + Giulia Sola, Manager for Dissemination

ECOBUILT Open House - Exhibition

ECOBUILT Open House represents the promotional activity of the results of the ECOBUILT project and is realized in the form of a thematic exhibition in the hall of the University of Belgrade - Faculty of Architecture.

The results presented through the exhibition are:

· **Analogous Maps Student Workshop** realized as part of the elective courses *Space and health: ecological, cultural and psychological influences* (teacher: Dr. Jelena Ristić Trajković, associate professor; 3rd year of bachelor studies) and *Contemporary Urban House* (teacher: Dr. Ana Nikezić, full professor; 1st year of master studies; 4th year of 5-cycle integrated studies) with the support of tutors (Dr. Aleksandra Đorđević, teaching assistant; Mladen Pešić, Ph.D., teaching assistant; Dr. Aleksandra Milovanović, research assistant; M.Arch. Dunja Dedić; M.Arch. Nenad Pavlovic).

· **Elective course *Urban oasis*** (teacher: Dr. Budimir Sudimac, associate professor; 1st year of master studies; 4th year of 5-cycle integrated studies).

The exhibition will be preceded by a session dedicated to the presentation of the concept and results of the ECOBUILT project as the result of the joint work of partner institutions.

Urban Oasis



Vesna Janković
Luka Vujović
Sofija Spaić
Mihajlo Neimarević
Katarina Milovanović
Milica Jočić
Marija Stojković
Filip Karzić
Jelena Joksimović
Eva Malinić
Tanja Tovilović
Teodora Bjelić
Aleksić Andrea
Sandra Draganić
Danica Vićanović
Sonja Trajković
Anamarija Mrđenovački
Dezire Tilinger

Student Participants

Analogous Maps Student Workshop



Igor Iljić,
Anja Paprikić



Danica Pop-Krstić, Anđela
Vučković



Marija Jocković



Mila Mitrović,
Filip Matović



Mia Đorojević,
Zagorka Golubović



Sofija Stojanović



Aleksandra Čolović,
Sofija Mihajlović



Tijana Pijevac



Veljko Radovanović,
Tara Tadić



Mladen Milosavljević,
Nađa Stanković



Nemanja Nasković,
Nikoleta Kralj



Anastazija Srbinovski,
Tamara Kuzmanović



Sara Jevtić,
Miljana Ćirić



Nikolina Jovanović,
Viktor Marković



Jovana Vasić



Sonja Jovanović

e

c

o

THEMATIC LECTURES

ECOLOGICAL APPROACH TO URBAN DESIGN: MEANINGS AND PATHWAYS

It has been widely assumed that responding to contemporary environmental challenges requires a shift towards an *ecological approach* to how we plan and design cities and that *ecological urban design* can bring positive changes to urban life and the environment. But in practice, “ecological design” is often interpreted in a simplistic way (e.g., as “green” technical solutions) and does not use the full potential of the urban design – ecology nexus.

The lecture provides an overview of different meanings of ecology and the ways they relate to urbanism in theory and practice. We explore how different *understandings* of “ecology” and “ecological” influence the purpose, scope, scale, and process of urban design. The aim is to reveal and discuss contemporary *pathways* to linking ecology and urban design and to outline the implications of the findings for architecture and urban design education.

We argue that a broader understanding of ecology is needed if we are to respond to environmental challenges in a creative and place-specific way through urban design. In the broad sense, ecology is about *relations and relationships* in different realms, at different scales and times. An ecological approach to urban design is, therefore, not only about knowing when and how to implement “ecological measures” as instant solutions, but also how to *creatively* restore broken links and develop strategies for the new, life-supporting *ecologies* to occur. By encouraging ecological thinking, academic education should help students develop ecological literacy and worldview.

=====
CIP - Каталогизација у публикацији
Народна библиотека Србије, Београд

692(048.3)
72.012:502.22 (048.3)

CONFERENCE Eco-friendly Built Environment
(2023 ; Beograd)

Book of abstracts / Conference Eco-friendly Built Environment, March 1-2, 2023, Belgrade ; [editors Aleksandra Milovanović, Aleksandra Đorđević, Mladen Pešić]. - Belgrade : University, Faculty of Architecture, 2023 (Belgrade : University, Faculty of Architecture). - 30 str. ; 30 x 11 cm

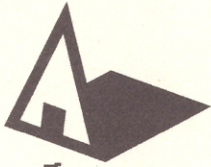
Tiraž 100.

ISBN 978-86-7924-326-3

а) Индустијска градња -- Апстракти б)
Грађевинске конструкције -- Апстракти в)
Архитектонско пројектовање -- Еколошки
аспект -- Апстракти

COBISS.SR-ID 109010185





Универзитет у Београду - Архитектонски факултет, Булевар краља Александра 73 / II, 11000 Београд, Србија
тел: +381 11 32 25 254, факс: +381 11 33 70 193, www.arh.bg.ac.rs
University of Belgrade - Faculty of Architecture, Bulevar kralja Aleksandra 73 / II, 11000 Belgrade, Serbia
tel: +381 11 32 25 254, fax: +381 11 33 70 193, www.arh.bg.ac.rs

To:

Jelena Živković

University of Belgrade

INVITATION LETTER

for International Conference "Ecofriendly Built Environment"

We are pleased to invite you to the International Conference "Eco-friendly Built Environment," scheduled from 1-2 March 2023 at the University of Belgrade — Faculty of Architecture. This Conference will be a joint effort of the ECOBUILT Consortium within the ERASMUS+ Mundus Design Measure (Lot 2) action project entitled "Ecofriendly Built Environment" (ECOBUILT).

Conference should provide an opportunity for sharing unique approaches in the field of the eco-friendly education. The main objective for organizing Conference is reflected in need to exchange different professional expertise, methodologies and approaches on the European level, and discuss on the direction of their development and implementation within both educational and professional arena of architecture and urbanism.

We believe that your contribution to this field is unparalleled and your contribution on this topic will be of great benefit. In this sense, it is an honor and privilege to invite you to participate in this Conference as Invited Lecturer.

We look forward to your contribution and cooperation through the Conference.



Ana Nikezic, PhD, Associate Professor
ECOBUILT Project Manager for University of Belgrade

University of Belgrade — Faculty of Architecture

ana.nikezic@arh.bg.ac.rs