

## An integrated approach to energy efficient retrofits of historical buildings **After 100 years of Art Nouveau, European Renovation Wave Meets Heritage**

International Seminar to the Interreg Danube II project  
Oradea, 8<sup>th</sup> of December 2022

### **Context**

Sustainability and resources efficiency, as well as reducing the overall carbon footprint is looking a lot towards buildings. Among those, generally, in Europe listed buildings have a different degree of protection and exception from the retrofit measures for energy efficiency. The rest of the historical buildings are mostly treated just like any other modern one, endangering their value in course of the needed retrofits.

### **Objective**

Bringing together the state of things in several countries (Romania, Austria, Slovakia, Slovenia, Czech Republic) on historical buildings renovation approaches, from a cultural, professional and governance perspective.

The conference will present and debate on an integrated approach that is facing the energy efficiency demands and resources as a suitable transition, with guidance for the choice of the most effective measures. The result will target recommendations for the general approach, technical and legal framework, transposition of EU directives, based on showcases from the architectural and engineering practice, the national and European regulation.

*Venue - Oradea City Assembly Hall  
9h00 Registration & coffee*

9.30 Welcome, agenda of the day - Eugen Pănescu - moderator and coordinator

9.40 - 9.50 Mayor Mr. Florin Birta  
*Oradea and its leading national role in heritage renovation*

9.50-10.00 - Director Ms. Adriana Lipoveanu and Mr. Sebastian Bonis  
*Interreg Danube II project presentation and Heritage regulation for historical buildings in Oradea*

### **Module 1 - Regulation framework and guidelines**

10.00 - 10.15 (RO) – Dr.arch. Anca Ginavar - director Ministry for Development, Public Works and Administration

*PNRR measures, Renovation Wave and the Green Deal in Romanian transposition (strategies, public policies and law changes) - (online)*

10.15 - 10.30 (RO) vice-directors arch. Alexandra Stoica - National Heritage Institute (RO)  
*National Methodology for energy efficient renovation of historical buildings*

Moderated debate 20min

## Modul 2 - Central European showcases and perspectives

10.50-11.15 (AT) Arch.Dipl.Ing. Daniel Fuegenschuh - President Austrian Federal Chamber of Architects and Engineers Bundeskammer ZT Arch.+Ing.

*Architectural projects for deep renovation in Central European context*

11.15 - 11.35 (CZ) Ing. arch. Hana Maršíková, BcA Michal Babic, Ing. arch. Kateřina Kočová

*My Bata House – experiences with reconstructions of Bata houses in Zlín*

11.35 - 12.00 (SK) Ing. arch. Karolína Sásiková – PhD student at Faculty of Architecture and Design STU Bratislava, Slovakia – Partner Danube Programme

*The specificity of sustainable design in heritage protected structures*

12.00-12.30 (SI) Dr.univ.dipl.inz.arh. Aleksandar Ostan – Ljubljana University, Slovenia Partner Danube Programme (online)

*Settlement heritage: between energy, ethics and esthetics - case studies from Slovenia*

Moderated debate 30min

13.00-14.00 Networking lunch

14.15 - 14.30 (UK) – Dr.arch. Judit Kimpian - Architect's Council of Europe - Chair ESA workgroup (online)  
*EPBD Directive renewal, Value of Architecture from an energetic perspective, impact on existing valuable stock*

## Module 3 - Architecture and Engineering are rowing the same boat

14.30 - 15.00 (RO) Dr.arch. Ștefan Bâlici - president - Romanian Order of Architects

*How efficient historical buildings really are?*

15.00-15.20 (RO) eng. Andrei Ceclan - Technical University Cluj Napoca

*Case studies of listed public buildings retrofit*

15.20 - 15.40 (RO) eng. Vlad Ciobanu - passive house planner - Zecaph (online)

*Good and bad practice in achieving energy efficiency in historic buildings*

15.40-16.00 (RO) Asst.prof.Dr. Eng. Ancuța Măgurean - Technical University Cluj Napoca

*Energy renovation of historical monument buildings in the context of the race for decarbonization - technical challenges considering aesthetic limits*

Moderated debate and conference wrap-up - 30 min

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**Guided Local walk - 16h30-18h00**

Rehabilitated ArtNouveau buildings in the Oradea central area and one proposed for renovation. (From City hall on Republicii street)