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REPORT ON THE 2nd THEME-BASED TRAINING OF TEACHING STAFF FOR ACQUIRING NEW PRACTICAL SKILLS

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Curricula innovation in climate-smart urban development based on green
and energy efficiency with the non-academic sector

PROJECT INFO

Project title	Curricula innovation in climate-smart urban development based on green and energy efficiency with the non-academic sector
Project acronym	SmartWB
Project reference number	101081724
Funding scheme	Erasmus+ Capacity Building in Higher Education project ERASMUS-EDU-2022-CBHE
Web address	www.smartwb.ucg.ac.me
Coordination institution	University of Montenegro
Project duration	36

DOCUMENT CONTROL SHEET

Work package	WP3 Capacity building of WB HEIs
Ref. no and title of activity	T3.3 Theme-based training of teaching staff for acquiring new practical skills
Title of deliverable	Report on organized training
Lead institution	University of Nis
Author(s)	Milan Gocić
Document status	Final
Document version and date	v.01, 21-06-2023
Dissemination level	Sensitive

VERSIONING AND CONTRIBUTION HISTORY

Version	Date	Revision description	Partner responsible
v.01	21/06/2023	Creation of the document	UNI

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1. Introduction

This document reports the second theme-based training of teaching staff for acquiring new practical skills of the Erasmus+ Capacity Building in Higher Education project "Curricula innovation in climate-smart urban development based on green and energy efficiency with the non-academic sector" (SmartWB), held at the University of Nis in Nis, Serbia, from 14th to 16th of June 2023. The training was face-to-face event and chaired by Milan Gocić.

The purpose of the training was to:

- educate WB teaching staff about innovative teaching methods,
- improve the professional, pedagogical, and methodological knowledge, and
- acquire new practical skills in the field of CSUD.

The Training Agenda (Annex I) and the list of participants (Annex II) are attached herewith.

2. Training implementation

2.1 First day of training

The training started at 9 AM with the SmartWB participant's registration.

Milan Gocić introduced the host facility on behalf of host institution, wishing a successful training and a pleasant stay in Nis for all participants. He also presented short history of the University of Nis and the Faculty of Civil Engineering and Architecture.

First presentation on the schedule was given by Vuk Milošević with the title "Architectural covers as microclimate modifiers". He presented architectural covers such as non-enclosed and lightweight covers with illustrative examples. Structural and thermal properties were analysed with respect to the climate-smart urban development. Also, architectural covers as microclimate modifiers were presented in order to provide optimal comfort for the users.

Ljiljana Jevremović and Ana Stanojević presented the topic "Advances in Managing Built Heritage for Climate-Smart Development" including adaptive measures that address current vulnerabilities in the built heritage and interventions to reduce exposure and facilitate cultural heritage adaptation while preserving their authenticity.

Milan Gocić and Aleksandar Đorđević presented the topic "IoT and smart cities". They highlighted that smart cities use IoT devices such as connected sensors, lights, and meters to collect and analyze data to predict traffic movement, adjust signal timing to ensure smooth traffic flows, and help decrease commute time. Also, the concepts of 3P (public-private partnerships) and 4P (public-private-people partnerships) were presented.

2.2 Second day of training

The second day was oriented to practice and using different tools in educational purposes.

Milan Gocić and Milica Ćirić presented the topic “Augmented collaboration toolkit”. The augmented collaboration toolkit is being developed to support trainers and teachers within higher education and LLL programs, as a support for serious games to create a shared narrative, and for the skills to work in digital environments.

Different tools were presented:

- Digital tools: Miro, GroupMap and Howspace.
- Collaborative skill development tools: InterVision (peer-coaching) methodology, Deep Democracy (Lewis) and Culture Mapping Tool (Erin Meyer).

Practical exercise was done using Howspace tool.

Milan Gocić and Milica Ćirić presented the topic “E-Learning modules for serious games”. Due to the COVID-19 challenge, education leaders must swiftly design responses with specific contexts in mind transforming traditional learning into online using e-modules. It is needed to establish effective forms of online education that will free up institutional capacities and resources in order to redirect their focus on delivering alternative (online) learning methods for students and LLL practitioners. Online learners should be motivated to take the course, to complete the course or to come back and attempt to do better. Adding game mechanics in course designing and behavior-based solutions can be solutions to immerse learners wisely.

Especially, the development of e-learning modules was presented as well as six created modules.

Milan Gocić and Milica Ćirić organized multiplier event titled “Open training on eLearning with serious games” showing the use of GroupMap tool and RiskMap template.

2.3 Third day of training

Ljiljana Vasilevska presented the topic “Urban Resilience with Nature Based Solutions - Current Eco-oriented Approaches” including definitions, goals, common and specific characteristics, best management practices of Nature-Based Solutions, Ecosystem-Based Adaptation, Urban Green Infrastructure and Ecosystem Services.

Borislava Blagojević presented the topic “Urban hydrology - Nature-Based Solutions focused on urban water cycle” as well as how to organize a summer school for international students.

Mladen Milanović organized visits of laboratories of the Faculty of Civil Engineering and Architecture.

Annex I - Agenda

Wednesday, 14 th June 2023		
University of Nis, Univerzitetski trg 2, Nis (room 38)		
09:00-09:30	SmartWB participants registration	
09:30-09:50	Presentation of the University of Nis and the Faculty of Civil Engineering and Architecture	Milan Gocić
09:50-10:00	Agenda for the training activities at UNI	Milan Gocić
10:00-11:30	Architectural covers as microclimate modifiers Description: In addition to their other functions, architectural covers can also be used as microclimate modifiers in order to provide optimal comfort for the users. Non-enclosed and lightweight covers will be specifically examined and illustrative examples will be presented. Structural and thermal properties will be analysed with respect to the climate-smart urban development.	Vuk Milošević
11:30-12:00	Coffee break (room 38)	
12:00-13:30	Advances in Managing Built Heritage for Climate-Smart Development Description: Built Heritage is considered an essential vehicle for sustainable development. In this context, adaptive measures that address current vulnerabilities in the built heritage will be presented, including interventions to reduce exposure and facilitate cultural heritage adaptation while preserving their authenticity.	Ljiljana Jevremović, Ana Stanojević
13:30-15:00	IoT and smart cities Description: Smart cities use IoT devices such as connected sensors, lights, and meters to collect and analyze data to predict traffic movement, adjust signal timing to ensure smooth traffic flows, and help decrease commute time.	Milan Gocić, Aleksandar Đorđević
15:00-15:30	Conclusions of the day	

Thursday, 15 th June 2023		
University of Nis, Univerzitetski trg 2, Nis (room 38)		
9:30-11:00	<p>Augmented collaboration toolkit</p> <p>Description: The augmented collaboration toolkit is being developed to support trainers and teachers within higher education and LLL programs, as a support for serious games to create a shared narrative, and for the skills to work in digital environments. It has been jointly designed through the academia and Lifelong Learning programs.</p> <p>The toolkit is created using:</p> <ul style="list-style-type: none"> Digital tools: Miro, GroupMap and How space. Collaborative skill development tools: InterVision (peer-coaching) methodology, Deep Democracy (Lewis) and Culture Mapping Tool (Erin Meyer) 	Milica Ćirić, Milan Gocić
11:00-13:00	<p>E-Learning modules for serious games</p> <p>Description: Due to the COVID-19 challenge, education leaders must swiftly design responses with specific contexts in mind transforming traditional learning into online using e-modules. It is needed to establish effective forms of online education that will free up institutional capacities and resources in order to redirect their focus on delivering alternative (online) learning methods for students and LLL practitioners. Online learners should be motivated to take the course, to complete the course or to come back and attempt to do better. Adding game mechanics in course designing and behavior-based solutions can be solutions to immerse learners wisely.</p>	Milica Ćirić, Milan Gocić
13:00-14:00	Buffet lunch (room 38)	
14:00-16:00	Open training on eLearning with serious games	Milica Ćirić, Milan Gocić
16:00-16:30	General discussion	
19:00	Social event – Nišlijska mehana	

Friday, 16th June 2023

Faculty of Civil Engineering and Architecture, Aleksandra Medvedeva 14, Nis

9:30-11:00	<p>Urban Resilience with Nature Based Solutions - Current Eco-oriented Approaches</p> <p>Description: Nature-Based Solutions, Ecosystem-Based Adaptation, Urban Green Infrastructure and Ecosystem Services - definitions, goals, common and specific characteristics, best management practices.</p>	Ljiljana Vasilevska
11:00-12:30	<p>Urban hydrology - Nature-Based Solutions focused on urban water cycle</p> <p>Description: Global challenges to urban water cycle; Urban stormwater management solutions/approaches; Measures and elements in contemporary practices - emphasize on Low Impact Development (LID) elements installed in EPA Storm Water Management Model (SWMM); Examples.</p>	Borislava Blagojević
12:30-13:00	Coffee break	
13:00-14:30	Visits of laboratories of the Faculty of Civil Engineering and Architecture	Milan Gocić, Mladen Milanović
14:30-15:00	General discussion and closing the training	

Annex II – List of participants

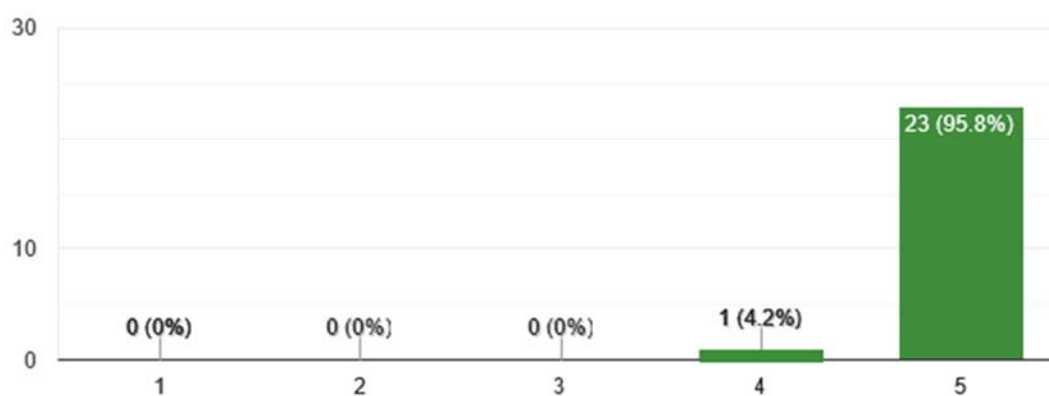
No.	Name	Institution acronym
1	Milena Ostojić	UoM
2	Olga Čalasan	UoM
3	Emina Hadžić	UNSA
4	Ammar Šarić	UNSA
5	Mili Selimotić	UNMO
6	Marko Čećez	UNMO
7	Aladin Crnkić	UNBI
8	Amel Totoman	UNBI
9	Otjela Lubonja	UET
10	Gazmir Hallaci	UET
11	Eduart Blloshmi	UPT
12	Bledar Sina	UPT
13	Arli Llabani	UPT
14	Sadmira Malaj	U_POLIS
15	Armela Reka	U_POLIS
16	Milan Gocić	UNI
17	Ljiljana Jevremović	UNI
18	Vuk Milošević	UNI
19	Aleksandar Đorđević	UNI
20	Milica Čirić	UNI
21	Ana Stanojević	UNI
22	Mladen Milanović	UNI
23	Ljiljana Vasilevska	UNI
24	Borislava Blagojević	UNI

Annex III – Evaluation report

Results of evaluation of the general organization of the event

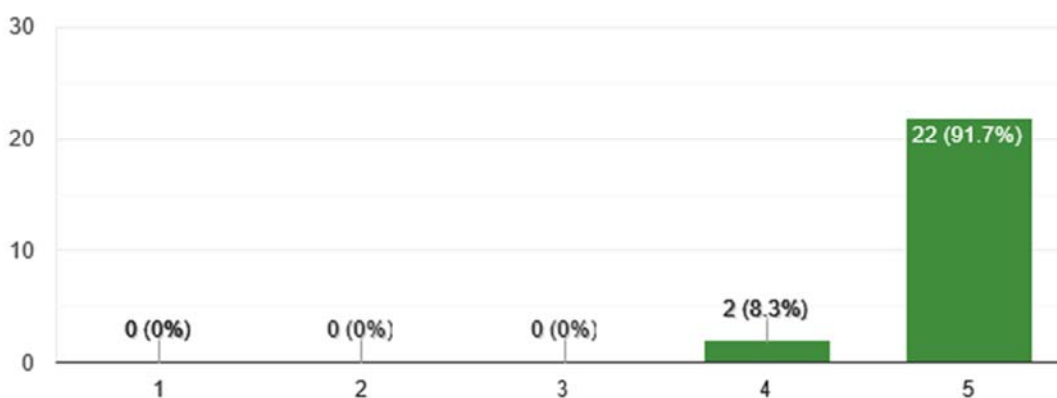
Logistic preparation and organization of event

24 responses



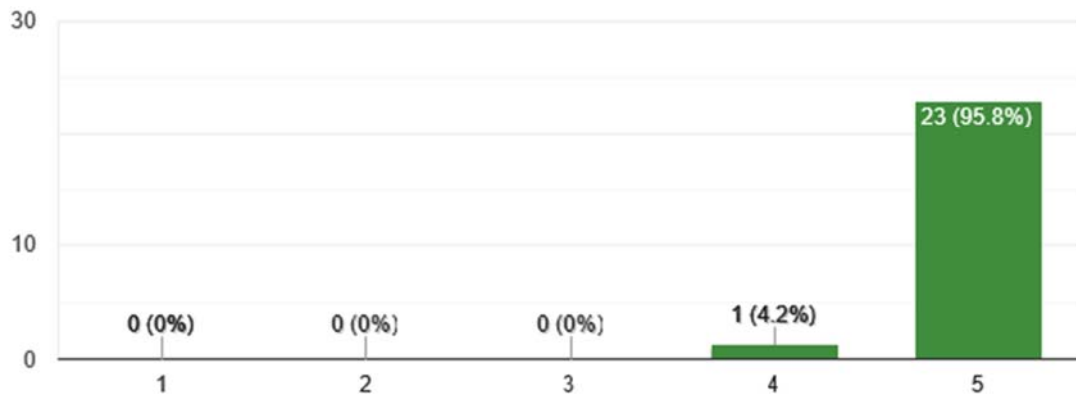
Content of the agenda

24 responses



Arrangements of the event (venue, equipment, etc.)

24 responses



Comment:

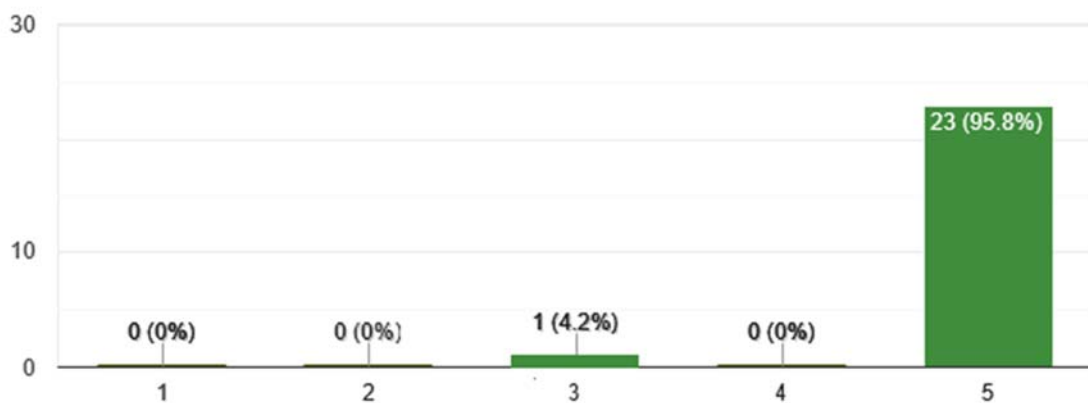
2 responses

- Very interesting training, workshop.
- Was good, but we didnt visit the laboratory of civil engineering and architecture

Results of evaluation of general working communication

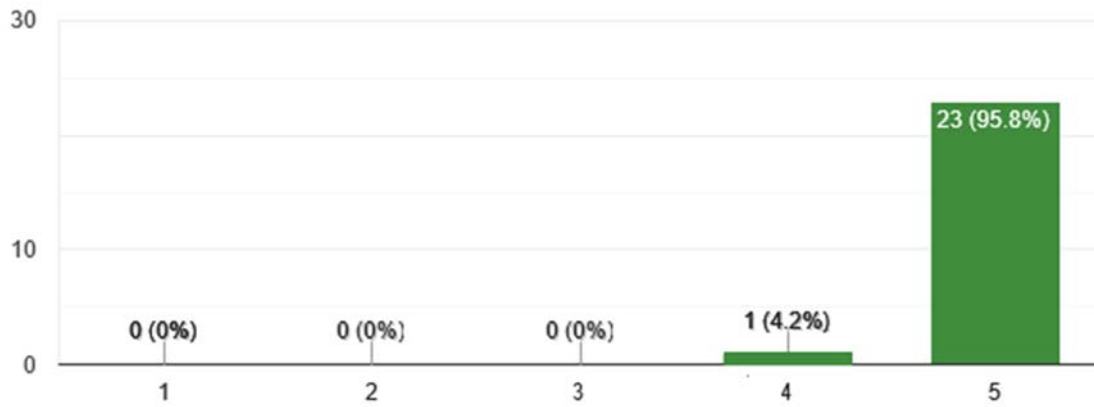
Communication during the event

24 responses



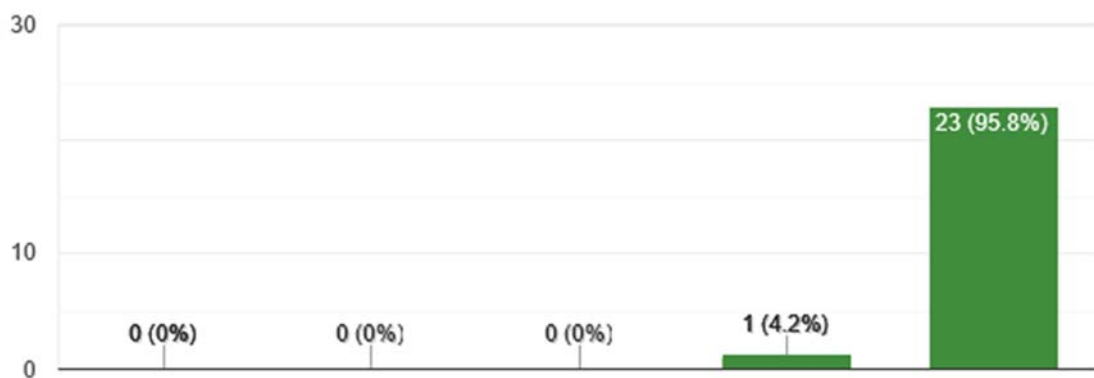
Duration and timetable of the event

24 responses



Quality of materials provided during the event

24 responses



Comment:

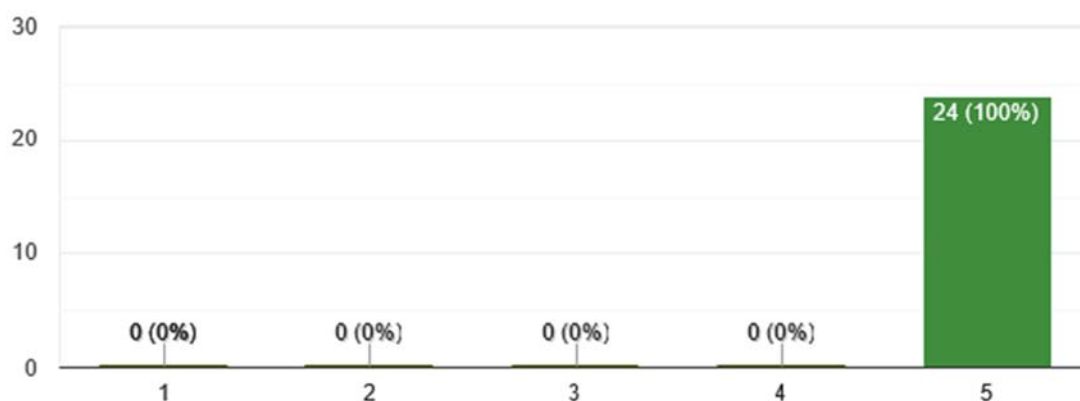
1 response

Everything was okay

Results of evaluation of overall success of the event

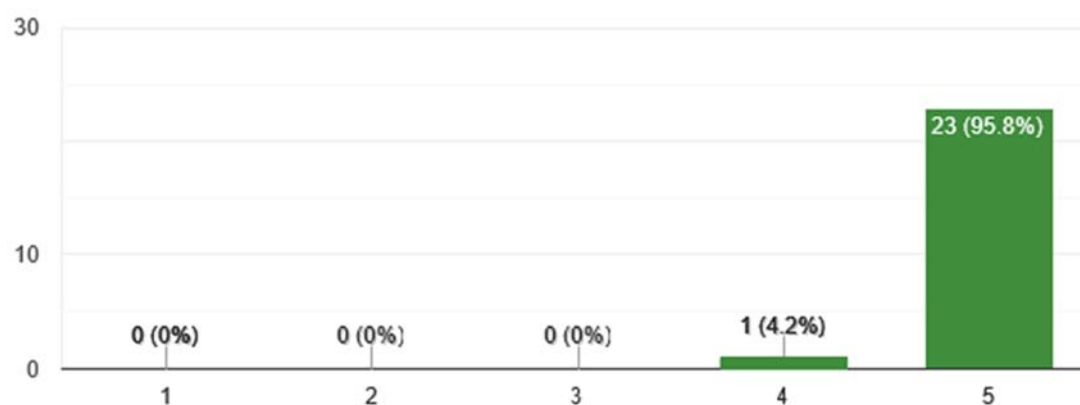
Mode of reaching the decisions at the event

24 responses



Opportunities to express your opinion and influence decisions

24 responses



Assessing the fulfilment of expectations regarding event

24 responses

