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smartWB

REPORT on T3.3: 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: 101081724 — SmartWB — ERASMUS-EDU-2022-CBHE

Type of event	<i>Theme-based training</i>
Venue	<i>Faculty of Science and Technology, NMBU, Ås, Norway DOSCON AS, Østre akers vei 19, Oslo, Norway</i>
Date	<i>29-31 August 2023</i>
Organizer	<i>Norwegian University of Life Sciences (NMBU)</i>
Reporting date	<i>07-Sep-2023</i>
Report author(s)	<i>Rasha Hassan, Agnieszka Cuprys, Harsha Ratnaweera</i>

Event description

with special reference to goals and outcomes

Number of participants at the event	17
Number of institutions	8
Description:	
<p>The staff training “Theme-based training of teaching staff for acquiring new practical skills” took place in Ås and Oslo, Norway from 29th August 2023 to 31st August 2023.</p> <p>This training in Norway brought together participants from three Western Balkans countries: Albania, Bosnia and Herzegovina, and Montenegro along with Norway. The participants represented different universities from the consortium: UET, U-Polis, UNBI, UOM, UNSA, UNMO, UPT, NMBU. They also came from different backgrounds in engineering which enriched this multidisciplinary activity and opened the space to exchange expertise and best practices in education related to Climate-Smart Urban Development (CSUD).</p> <p>The broader objective of SmartWB is to improve the existing education in climate-smart urban development by building professional and technical capacities of Western Balkans higher education institutions, applying innovative teaching methods and ICT in the education process, and creating permanent links with the non-academic sector. Therefore, this intensive three-day training aimed to:</p> <ul style="list-style-type: none"> • Equip participants with essential practical skills geared towards enhancing the quality of higher education in the field of climate-smart urban development (CSUD). • Provide the necessary space for attendees to network, connect and share the related practices in the education of CSUD. <p>The outcome of this event was a successful knowledge transfer experience where participants received insightful ideas through presentations and site visits on best practices of CSUD and innovative digital tools for education in Norway. The participants showed high interest in adopting and applying the takeaways from this event in their practices as educators.</p> <p>Under the overarching theme of climate-smart urban development, the training program encompassed a diverse array of agenda items, categorized into three main sessions:</p> <ul style="list-style-type: none"> • First session in Ås –Sustainable architecture, geomatics and internationalizations which included presentations on these topics presented by NMBU professors. 	

- Second session in Oslo- Urban design in practice: water and building management. This was carried out through site visits to different places in Oslo to show practical examples of green and blue infrastructure.
- Third session in Oslo- Innovations in education and water management where the participants were introduced to the innovative practices in water quality management by DOSCON as well as the innovative practices in education including using the ChatGPT and the digital tools.

“The training session in Norway turned out to be training also for the host, NMBU, as well. It is the most multidisciplinary activity I was involved in and surprised how much I and my team learned from the sessions. The training gave a whole new understanding on how sustainable urban activities could be built around water. It was a daunting task to satisfy the expectations of such a heterogenous group, but we felt we managed not only to satisfy the expectations of the SmartWB team, but also to create lifelong memories. The event strengthened the social bonding among the participants which laid a solid foundation for an even stronger sustainability of the project. We wait impatiently for the next gathering. “Said Prof. Harsha, the organizer of the event from NMBU, as a reflection on the event.

“The highly different professional backgrounds of the participants posed a difficult task in front of Prof. Harsha's team. However, they succeeded in making an agenda that would fulfil everyone's expectations and professional curiosity. The participants were, in particular, delighted by the NMBU campus tour, guided by Agnie and Rasha, looking at students' activities and the support they get from their teachers.

The organizers succeeded in comprehending all aspects needed to improve education in the climate-smart urban development field in this three-day event.

Above all, our NMBU colleagues strengthened our interpersonal relations and made the SmartWB team more coherent by creating a positive and pleasant atmosphere, encouraging everyone to actively participate and express their particularities and uniqueness.

I was personally moved by the warm hospitality of Prof. Harsha and his team, which exceeded all my expectations regarding this event. I am more than grateful for having such "hearts" in our consortium, and I sincerely appreciate everything they have done for the project so far.” Said Prof. Marija Jevrić, the coordinator of SmartWB from University of Montenegro.

Attachment

Agenda (pdf)	Uploaded on the Google Drive and presented in the event description.
Attendance list (pdf)	Uploaded on the Google Drive and added to the annex below.
Presentations (pdf)	Uploaded on the Google Drive.
Other personal remarks: Photos from the training	

* Please note that a few media files (photo, video or audio) should be attached to this document as an integral part of this report and uploaded together with this .doc file.

Problems encountered during the event preparation phase

Please add your comments, if any:

No problems were encountered in the implementation of this training as the training was delivered according to the agenda with the presence of all participants.

Strengths and limitations of the event (please include comments received)

Strengths of the event and contributions or activities by participants	<p><i>The main strength of this event came from the multidisciplinary backgrounds of participants which increased the impact of this training.</i></p> <p><i>The three-day training was well set and organized to match the diverse interests in the room. It was delivered through a combination of presentations and site visits in Oslo and Ås to show the best practices implemented in different aspect of climate-smart urban planning in Norway.</i></p> <p><i>The presenters from NMBU and Doscon AS were able to convey the best practices carried out in education and industry in Norway.</i></p> <p><i>Finally, the participants showed their appreciation to the Norwegian team's hospitality and clear communication.</i></p>
Suggestions for the improvement	<p><i>The participants were satisfied with the training, so no suggestions were provided.</i></p>
Comments	<p><i>The comments of the participants were positive for this knowledge transfer event. They showed their interest in applying the takeaways in their own educational practices.</i></p>

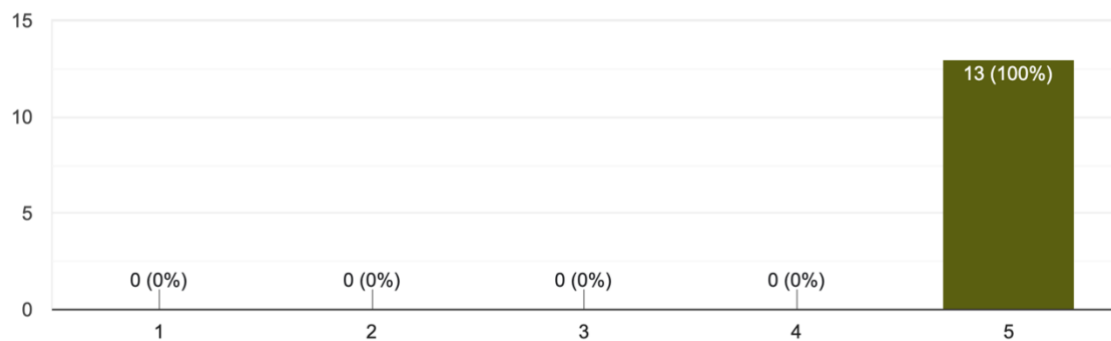
Event details

Results of evaluation of the general organization of the event

Description
<p>The evaluation form was sent online after concluding the event to the 14 participants from the Western Balkans, and NMBU team received 13 responses. Therefore, the responses reflect strongly the collective opinions about the event.</p> <p>The participants were satisfied with the delivery of the event. This was shown in their high ranking for the logistics and arrangements of the event as well as the content of the agenda. Additionally, the participants showed their appreciation to the Norwegian team's for their well-organization for the event.</p>
Figure

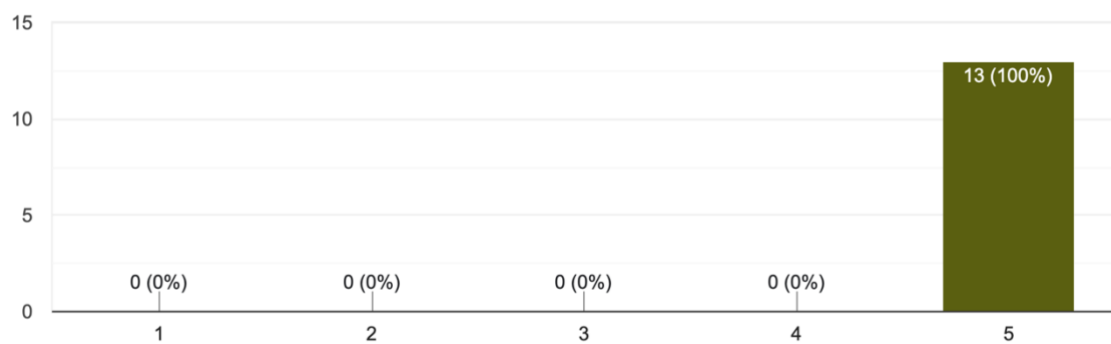
Logistic preparation and organization of event

13 responses



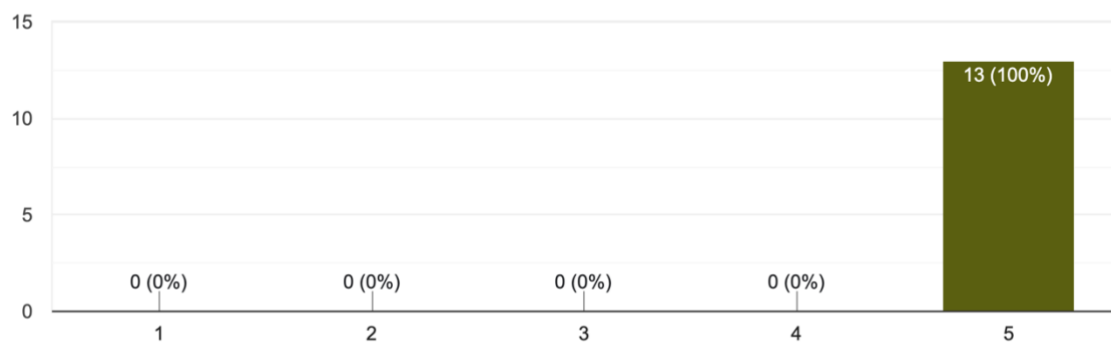
Content of the agenda

13 responses



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

13 responses



Comment:

7 responses

Everything was organized perfectly!

Everything great and useful

Thank you 😊

Very well organized training with relevant lectures

Everything was perfectly organised

Everything was excellent prepared.

Organization of staff training at exceptional level. Thanks for everything,

Results of evaluation of general working communication

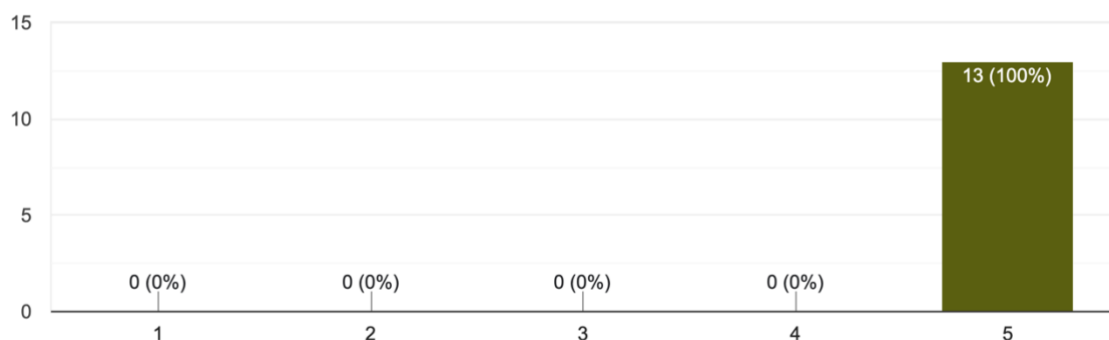
Description

The responses showed that the communication process during the event was clear and effective as it was able to outline the vision of the event, expectations and the possible constraints like the weather.

Figure

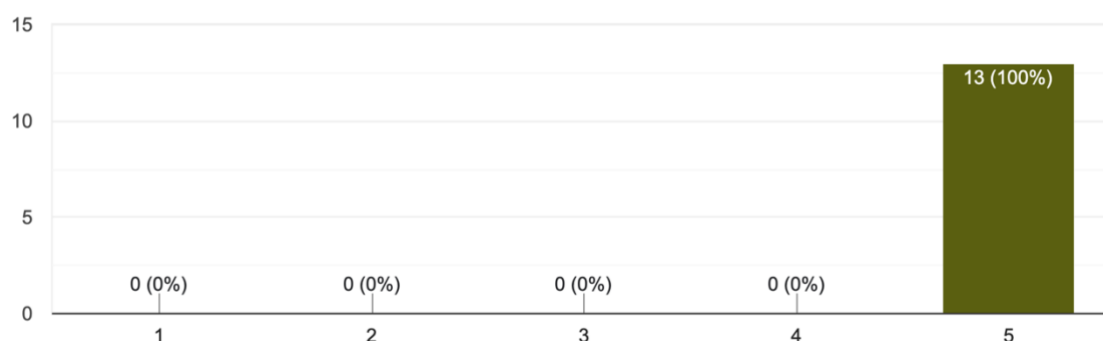
Communication during the event

13 responses



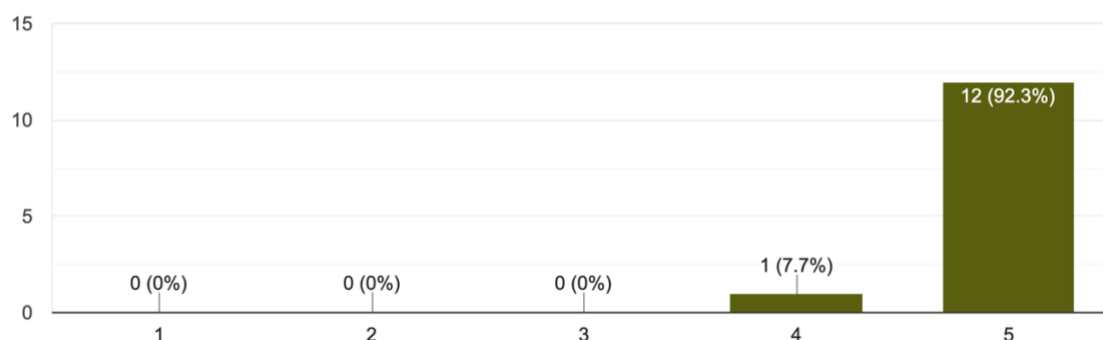
Duration and timetable of the event

13 responses



Quality of materials provided during the event

13 responses



successfully

Comment:

3 responses

Excellent atmosphere!

Very warm and communicative group and environment

Staff training according to the planned plan and program, Lecture topics very interesting.

Results of evaluation of overall success of the event

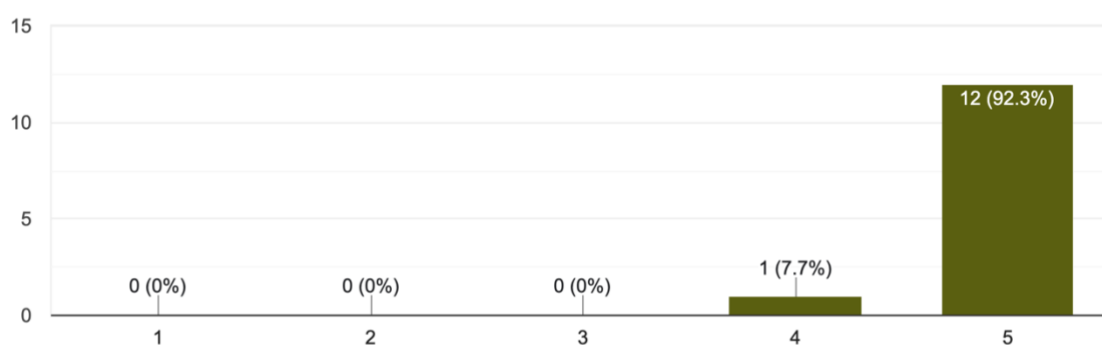
Description

An overall view of the responses show that the training was held successfully in Norway and the participants were fulfil and able to make great memories and get useful takeaways and best practices related to CSUD education.

Figure

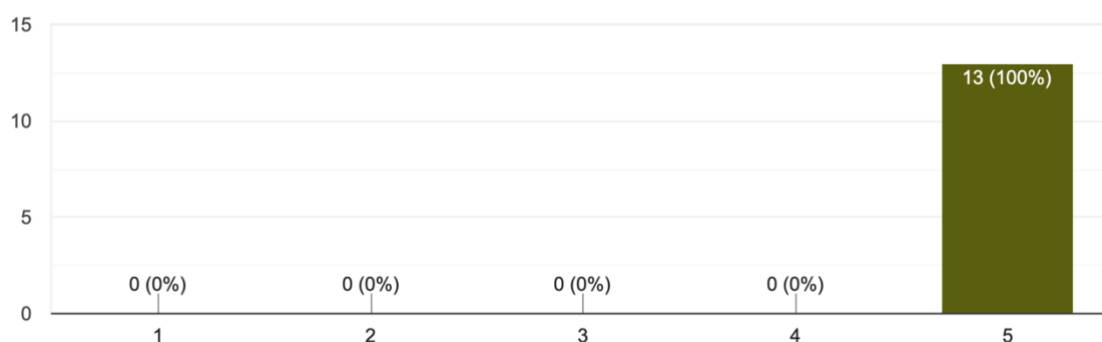
Mode of reaching the decisions at the event

13 responses



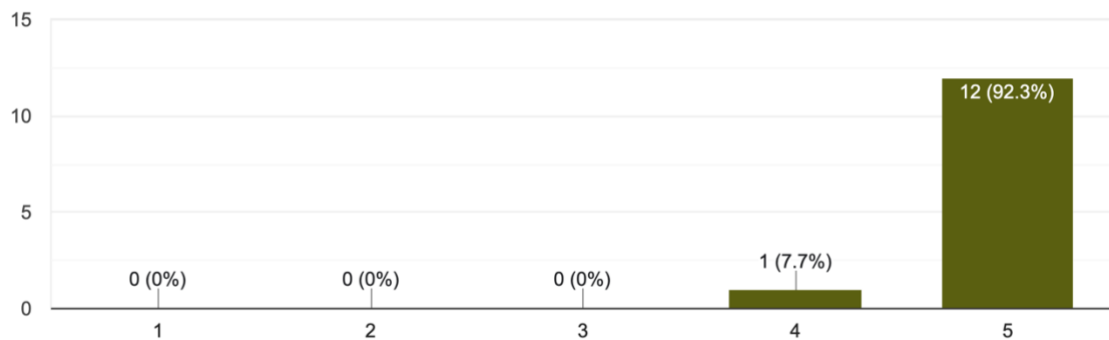
Opportunities to express your opinion and influence decisions

13 responses



Assessing the fulfilment of expectations regarding event

13 responses



Comment:

4 responses

Thank you, Harsha and the team, you have been the best hosts ever!

Very interesting and well prepared event

Thank you Harsha, for all, it was really an unforgettable experience! Thanks also to Agnieszka and Rasha :)

We adopted new knowledge and experiences of urban planning,

Please indicate your suggestions for further event's improvement:

Annex (A): The extensive description of the agenda was as follows:

Tuesday, 29 th August 2023		
Meeting room Alfa, RealTek- NMBU, Drøbakkveien 31, Ås		
09:00-09:10	SmartWB participants registration & coffee	
09:10-09:20	Welcome, Anne Cathrine Gjærde, Dean of the Faculty of Sciences & Technology, NMBU	
09:20-09:30	Introduction to the SmartWB project, Marija Jevric, Coordinator	
09:30-09:50	Self introduction to participants: affiliation, specialities and interests	
09:50-10:00	Brief introduction and logistics info on the workshop, Harsha Ratnaweera	
10:00-10:15	Coffee break	
10:15-11:00	Project management issues, Dr Marija Jervic	
First session –Sustainable architecture, geomatics and internationalisations		
11:00-12:00	Timber as a sustainable urban building materials with a low carbon-footprint: presentation & discussion	Prof. Anders Q Nyrud
12:00-13:00	Lunch	
13:00-14.00	Visit to labs and pilot facilities	Dr Agnieszka Cuprys
14:00-15:00	Teaching activities on Geomatics at NMBU	Prof. Ivar Maalen-Johansen
15:00-16:00	SITRAP - Centre for Excellence in Education (SFU)	Prof Elin Børrud
16:00-17:00	International Project development at NMBU	Prof Harsha Ratnaweera
19:15	Dinner hosted by NMBU: Brasilia restaurant, Kronprinsesse Märthas plass 1, 0160 Oslo	

Wednesday, 30th August 2023

	<i>Meet at various places as noted in links</i>	
Second session – Urban design in practice: water and building management		
10:00-12:30	Management of Climate Change impacts: Klosterenga park . Buildings, storm water management and sculptures in harmony with urban living	Tbc
12:30	Lunch (own arrangements)	
14:00-18:00	Sustainable urban architecture & water management in buildings with historical conservation values- in harmony with culture, local community and urban setting	
14:00	Site 1: Voldsløkka school, Uelands gate 85, 0462 Oslo <ul style="list-style-type: none">• Marit R Myklestad, Landscape Architect, LARK architects• Øystein Johansen, Project Manager, Oslo municipality	Dr Leif D Houck, NMBU
16:00	Site 2: Faculty of Justice- Domus Juridica, University of Oslo, Kristian Augusts gate 19, 0164 Oslo	Dr Chandani Ratnaweera, Senior Architect, University of Oslo
19:00	Dinner hosted by NMBU. Benares Restaurant, Tordenskiolds gate 8, 0160 Oslo	

Thursday, 31st August 2023

	<i>Meet at DOSCON AS, Østre akers vei 19. Opposite Økern Metro</i>	
Third session – Innovations in education and water management		
09:00-10:00	Innovations in water quality surveillance	Dr Natalia Sivchenko, Project Manager, DOSCON
10:00-11:00	Innovative process control in water utilities	Dr Abhilash Nair, Project Manager, DOSCON
11:00-12:00	Design and planning of sewers	Hristian Naumovski, Project Manager, ROSIM
12:00-13:00	Lunch	
13:00-14:30	ChatGPT in Education: opportunities and challenges	Dr Kim A Paus, NMBU
15:00-16:30	Digital tools in education	Dr Zakhar Maletskyi, NOM
16:30-17:00	Evaluation and conclusions	Harsha
19:00	Dinner – own arrangements	

Annex (B): Photos from the event





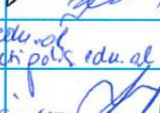

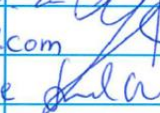

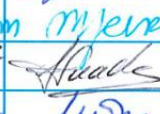
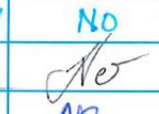
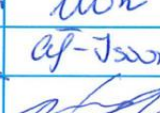
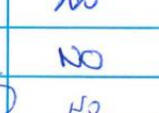
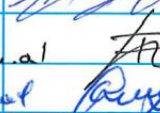
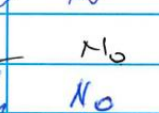
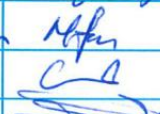



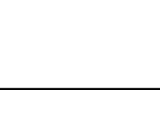







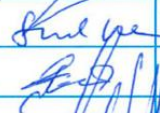
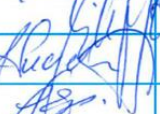
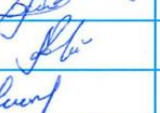
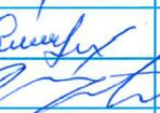
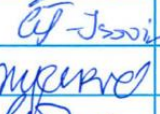

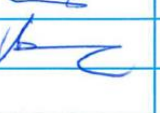







Annex (c): The attendance lists









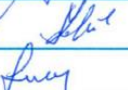



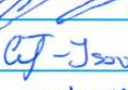





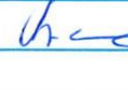







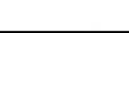





Type of event	Theme-based training of teaching staff for acquiring new practical skills
Venue	Faculty of Science and Technology, NMBU, Drøbakveien 31, Ås, Norway
Date	29.08.2023
Organizer	Faculty of Science and Technology, NMBU

No.	Name	Institution acronym	E-mail	Signature	I would like to opt out from being photographed at the event
1	Jani Petro	UET	jani.petra@uet.edu.al		
2	Flora Lussuqi	U-POLIS	flora_kresnigi@universitypoli.edu.al		
3	Elona Karafili	U-POLIS	elona_karafili@universitypoli.edu.al		
4	Atif Hoxha	UNBI	atif.hoxha@unbi.edu.al		
5	ALADIN CRNKIC	UNBI	aladin.crnkic@hotmail.com		
6	SERDAR NINA	UoM	ninas@ucg.ac.me		
7	MARIJA JERIC	UoM	marija.klej@gmail.com		NO
8	Suada Sulejmanovic	UNSA	suada.sulejmanovic@gmail.com		NO
9	Emina Hadzic	UNSA	eminahd@gmail.com		NO
10	Merima Sahinagic-Isovic	UNMO	merima.sahinagic@unmo.ba		NO
11	MARKO CECER	UNMO	marko.cecer@unmo.ba		NO
12	Freshida Abuzaj	UPT	freshida.abuzaj@fin.edu.al		NO
13	Genti Gjergji	UPT	genti.gjergji@univ.edu.al		NO
14	Namir Koplaku	UPT	nkopliku@gmail.com		NO
15	Agneszka Cuperi	NMBU	agnieszka.cuperi@nmbu.no		
16	Rasha Hassan	NMBU	rasha.ih@gmail.com		
17	Harald Rasmussen	NMBU	harald.rasmussen@nmbu.no		
18					
19					
20					

Type of event	Theme-based training of teaching staff for acquiring new practical skills
Venue	Klosterenga skulpturpark, St. Halvards gate 30, 0656 Oslo Voldsløkka school, Uelands gate 85, 0462 Oslo Faculty of Justice- Domus Juridica, University of Oslo, Kristian Augusts gate 19, 0164 Oslo
Date	30.08.2023
Organizer	Faculty of Science and Technology, NMBU

No.	Name	Institution acronym	E-mail	Signature	I would like to opt out from being photographed at the event
1	Atif Hucic	UNBI	atif.hucic@gmail.com		<input checked="" type="checkbox"/>
2	ALADIN CONKIC	UNBI	aladin.conkic@hotmail.com		<input checked="" type="checkbox"/>
3	SERDAR NINA	UoM	minas@ucp.ac.me		<input checked="" type="checkbox"/>
4	Flora Kresnigic	U-POLIS	flora.kresnigic@universityofpolice.edu		<input checked="" type="checkbox"/>
5	Elona Karafili	U-POLIS	elona.karafili@universityofpolice.edu.al		<input checked="" type="checkbox"/>
6	Suada Sulejmanovic	UNSA	suada.sulejmanovic@gmail.com		<input checked="" type="checkbox"/>
7	Jani Petro	UET	jani.petro@uet.edu.mk		<input checked="" type="checkbox"/>
8	Namir Kopliku	UPT	nkopliku@gmail.com		<input checked="" type="checkbox"/>
9	Freshida Abazaj	UPT	freshida.abazaj@gmail.com		<input checked="" type="checkbox"/>
10	Genti Qirjazi	UPT	genti.qirjazi@fineduc.edu.mk		<input checked="" type="checkbox"/>
11	MARKO CECER	UNMO	marko.cecer@unmo.ba		<input checked="" type="checkbox"/>
12	Merima Sahinagic-Boric	UNMO	merima.sahinagic@unmo.ba		<input checked="" type="checkbox"/>
13	MARIA JEVRE	UoM	marija.jevre@gmail.com		<input checked="" type="checkbox"/>
14	EMINA KADIC	UNSA	eminakadica@gmail.com		<input checked="" type="checkbox"/>
15	Rasha Hassan	NMBU	rasha.ith@gmail.com		<input checked="" type="checkbox"/>
16	Agnieszka Cupis	NMBU	agnieszka.cupis@nmbu.no		<input checked="" type="checkbox"/>
17	Harshy Potanawong	NMBU	harshy.potanawong@gmail.com		<input checked="" type="checkbox"/>
18					
19					

Type of event	Theme-based training of teaching staff for acquiring new practical skills
Venue	DOSCON AS, Østre akers vei 19, Oslo, Norway
Date	31.08.2023
Organizer	Faculty of Science and Technology, NMBU

No.	Name	Institution acronym	E-mail	Signature	I would like to opt out from being photographed at the event
1	Atif Holidic	UNBI	atif.holidic@gmail.com		
2	ALADIN CRNKIC	UNBI	aladin.crnkic@hotmail.com		
3	SERDAR NINA	UoM	minas@ucg.ac.me		
4	Flora Krasnjic	U-POLIS	flora.krasnjic@universityofpolice.edu.pl		
5	Elona Karafilic	U-POLIS	elona.karafilic@universityofpolice.edu.pl		
6	Suada Sulejmanovic	UNSA	suada.sulejmanovic@gmail.com		
7	Jani Petro	UET	jani.petro@uet.edu.al		
8	Nemik Kopliku	UPT	nkopliku@gmail.com		
9	Freshida Ahmetaj	UPT	freshida.ahmetaj@gmail.com		
10	Genti Qirpaz	UPT	genti.qirpaz@fin.edu.al		
11	MARKO ĆEČEĆ	UNMO	marko.cecex@unmo.ba		
12	Merima Sahinagic-Ibovic	UNMO	merima.sahinagic@unmo.ba		
13	MARJA JEVRIĆ	UoM	marja.jevric@gmail.com		
14	EMINA HADŽIĆ	UNSA	emimahd@gmail.com		
15	RASHA IBRAHIM	NMBU	rasha.ibrahim@gmail.com		
16	Agneska Cupra	NMBU	agnieska.cupra@gmail.com		
17	Harsli Rahman	NMBU	harsli.rahman@nmbu.no		
18					
19					
20					