



DEVELOPMENT OF BACHELOR PROGRAM IN AGROECOLOGY
WITH DUAL EDUCATION IN KAZAKHSTAN

Let's save our land for the future

**Report on the Study Visit to Novi Sad and Transfer of Knowledge and
Skills to Stakeholders in Kazakhstan
Novi Sad, Serbia, May 21-25, 2024**

agrokaz.kineuprojects.kz



Project acronym	AGROKAZ
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Project number	101082564
Funding scheme	ERASMUS Lump Sum Grants (ERASMUS-EDU-2022-CBHE-STRAND-2)
Project start date	01/02/2023
Project duration	3 years

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Responsible Team members	Tatjana Brankov, University of Novi Sad, tatjana.brankov@ef.uns.ac.rs
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Abstract	This report is about the Study Visit to Novi Sad and Transfer of Knowledge and Skills to Stakeholders in Kazakhstan, Novi Sad, Serbia, May 21-25, 2024
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VERSIONING AND CONTRIBUTION HISTORY

Version	Date	Description	Responsible members
1.0	13/06/2024	First Draft	UNS
1.1	21/06/2024	Final	UNS

DISCLAIMER

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Introduction

The study visit to Novi Sad and transfer of knowledge and skills to stakeholders in Kazakhstan, organized by the University of Novi Sad, Serbia, was held from May 21 to May 25, 2024.

The number of participants was 20 from partner organizations in Serbia, Croatia, Greece, and Kazakhstan.

On the first day (May 21), as per the program, there was an update on the dissemination strategy. The session was attended by representatives from the University of Novi Sad, as well as colleagues from Greece who are responsible for Work Package 7, which deals with the dissemination and exploitation of project activities and results.

On the second day, through coordination between the Serbian Association of Agricultural Economists (SAAE) and the AGROKAZ team, an Agricultural Forum "Green Agenda and Agriculture" took place at the University of Novi Sad. The forum featured three panel discussions: "Green Agenda in Agriculture: Challenges and the Way Forward," "Innovations and Practices in Sustainable Agriculture," and "Education and Sustainable Agriculture."

During the first panel discussion, speeches were given by Tatjana Brankov, AGROKAZ coordinator, Tihana Sudaric from the partner institution UNIOS, Konstantinos Galanopoulos from the partner institution DUCH, and Viktor Kamkin from the partner institution PSU. Additionally, in order to encourage youth participation in the debate about the Green Agenda, students from the Faculty of Economics at the University of Novi Sad presented their research findings from a survey analyzing the perception and knowledge of youth regarding the Green Agenda and agriculture. This survey was the first of its kind in Serbia. In the second panel discussion, participants included Marija Nikolic and Olga Gavric from the Faculty of Agriculture at the University of Belgrade, Mirela Tomas Simin from the Faculty of Agriculture at the University of Novi Sad, and Gulsim Aitkhozhayeva from the partner institution KazNAU. The third panel participants were colleagues from university as well as Djura Karaglic from the company Login EKO. The forum was relatively well-received, with two broadcasts on the state television RTV and three publications of student papers on portals in Serbia, Slovenia, and Austria so far.

The third day was dedicated to visiting the Agricultural Fair in Novi Sad, which is the largest in the region and one of the biggest agricultural fairs in Southeast Europe. It is a gathering place for farmers to exchange experiences, purchase equipment and machinery, and acquire new knowledge and practices. Many interesting topics were covered through a series of lectures, round tables, and educational events.

On the fourth day (May 24), the AGROKAZ project team visited two farms. The first was a small family farm, Soskic, which is still capable of supplying supermarkets in Serbia with organic vegetables. The second was one of the largest and most highly IT-equipped organic farms, LoginEKO. LoginEKO addresses challenges in the food system from its 3,700-hectare organically certified farm by creating solutions to facilitate the transition to a sustainable food system, crafting a data-driven approach to sustainable agriculture, and working to simplify and automate farmers' daily tasks.



On the last day, participants finalized the results of the study visits and discussed the next steps in the project. Special focus was given on organizing upcoming meetings and addressing existing problems related to equipment procurement, laboratory accreditation, and dissemination issues.

Agenda

DAY I

May 21, Faculty of Economics UNS, Dr Sime Miloševića 16		
16 ³⁰ – 18 ³⁰ h	Registration of participants	
16 ³⁰ – 18 ³⁰ h	Update on Dissemination Strategy	TATJANA BRANKOV University of Novi Sad, AGROKAZ coordinator
		KONSTANTINOS GALANOPOULOS Democritus University of Thrace, Greece
		BOJAN MATKOVSKI University of Novi Sad AGROKAZ administrator
		SPYRIDON KOUTROUPAS Democritus University of Thrace, Greece

DAY II

9:30 – 10:00	Registration of participants	
10:00-10:30	Faculty Campus Tour	
Part I		
Opening and welcome speeches		
11:00-11:25	Welcome Speeches	<p>TATJANA BRANKOV, University of Novi Sad (UNS); AGROKAZ coordinator; President of the Serbian Association of Agricultural Economists (SAAE)</p> <p>MIRKO SAVIĆ, Faculty of Economics UNS, Head of the Center for National and International Projects</p> <p>BOJAN MATKOVSKI, AGROKAZ administrator; Head of the Department of Agricultural Economics and Agribusiness, Faculty of Economics, UNS</p> <p>BRANKO ĆUPINA, ViceDean for Science and International Cooperation, Faculty of Agriculture, UNS</p> <p>MILADIN ŠEVARLIĆ, University of Belgrade, Honorary Professor of the VolGAU, Volgograd, Russia; Honorary President of SAAE</p>



Part II
Panel discussions

11:25- 12:45

Panel discussion: Green Agenda in Agriculture: Challenges and the Way Forward

Moderator: Prof. dr Tatjana Brankov

Exploring the Nexus: National Agriculture and the Green Agenda - Serbia	TATJANA BRANKOV AGROKAZ coordinator President of the Serbian Association of Agricultural Economists
Exploring the Nexus: National Agriculture and the Green Agenda - Croatia	TIHANA SUDARIĆ Faculty of Agrobiotechnical Sciences, Osijek, Croatia; President of the Croatian Society of Agricultural Economists
Exploring the Nexus: National Agriculture and the Green Agenda - Greece	KONSTANTINOS GALANOPOULOS Democritus University of Thrace, Greece
Exploring the Nexus: National Agriculture and the Green Agenda - Kazakhstan	VIKTOR KAMKIN Toraighirov University, Pavlodar, Kazakhstan
Youth perspectives on the Green Agenda and sustainable development	DUŠAN NINKOV, STEFAN LJUBINKOVIC & BRANISLAV ŽERAVIĆ Students of the Faculty of Economics, University of Novi Sad

Discussion

13:00-13:30 Coffee break

13:30 -14:45

Panel Discussion: Innovations and Practices in Sustainable Agriculture

Moderator: Doc. dr Marija Nikolić

The Role of Cooperatives in Supporting Farmers' Pursuit of Organic Agriculture	MARIJA NIKOLIĆ University of Belgrade, Faculty of Agriculture
Implementing the Green Agenda: The Role of Robotics in Agriculture	ALEKSANDAR RODIĆ Robotics Laboratory, Mihailo Pupin Institute, Belgrade



Green economy development index as a unique measure of green economy implementation	OLGA GAVRIĆ University of Belgrade, Faculty of Agriculture
Exploring Institutional Support and Economic Perspective in Organic Agriculture	MIRELA TOMAŠ SIMIN University of Novi Sad, Faculty of Agriculture
Carbon farming – a way to sustainable agriculture	GULSIM AITKHOZHAYEVA Leading Specialist Kazakh National Agrarian Research University
<i>Discussion</i>	
14:45 – 15:00 Coffee break	
15:00-16:00	
<i>Panel Discussion: Education and Sustainable Agriculture</i>	
<i>Moderator: Prof. dr Tatjana Brankov</i>	
Food system transformation with agroecology	SRĐAN ŠEREMEŠIĆ Faculty of Agriculture, Novi Sad
Introduction to Soil Health and Organic Agriculture study programs at the Faculty of Agriculture, University of Novi Sad	MAJA MANOJLOVIĆ Faculty of Agriculture, Novi Sad
Land architecture dual programs at Faculty of Agriculture University of Novi Sad	LAZAR PAVLOVIĆ Faculty of Agriculture, Novi Sad
Market Demands in Agroecology and Organic Production: Corporate Insights for Shaping Educational Programs	ĐURA KARAGIĆ LoginEKO
<i>Discussion</i>	
16:00-18:30	
Welcoming Lunch	
TASTING EXPERIENCE	
<i>Exclusive Products from Kosovo and Metohija- Provided by the Government of the Republic of Serbia, Office for Kosovo and Metohija</i>	

DAY III

May 23, Visit to the Agricultural Fair, Hajduk Veljkova 11	
09:45-10:00	Registration of participants
10:00-14:00	Experiencing the Agricultural Fair - Hajduk Veljkova 11 Street
	<i>Free Time</i>



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19:00	<i>Dinner with music at 'Sokace' restaurant, Pap Pavla 11 Street. Note: This event is self-payment</i>
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DAY IV

May 24, Visit to Organic Farms	
08:00 – 8:05	Registration of participants
8:05	Departure from the university at 8 a.m.
9:15-15:00	Farm tour - Biofarma Šokšić and LoginEKO
15:00	<i>Free time</i>

DAY V

May 25, University of Novi Sad – The Rectorate Building, Dr. Zorana Đinđića 1		
09:00 – 9:15	Registration of participants	
9:15 -9:30	Project Management and Reporting	TATJANA BRANKOV, UNS, project coordinator
9:30-12:00	Comments by partner universities with special focus on lab equipment and accreditations	TIHANA SUDARIC, UNIOS ZHANAT JABASSOVA, KenEU SAMAL KAZYBAYEVA, PSU AZBAL ABDRAMANOV, KazNAU KONSTANTIONOS GALANOPOULOS, DUTH ALUA RYSBEKOVA, the Kazakh Research Institute for Plant Protection and Quarantine SANIYA TULKUBAYEVA, Agricultural experimental station “Zarechnoye”

Contacts:




Tatjana Brankov, UNS, Serbia,
+381641021696,
tatjana.brankov@ef.uns.ac.rs



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List of participants

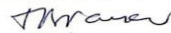
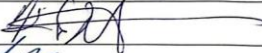









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STUDY VISIT - NOVI SAD

University of Novi Sad, Serbia
Participant list - 21 May 2024

No.	Name and Surname	Institution	Signature
1.	TATJANA BRANKOV	UNS	
2.	KONSTANTINOS GALANOPOULOS	DUTH	
3.	BOJAN MATKOVSKI	UNS	
4.	SPYRIDON KOUTROUMPAS	DUTH	

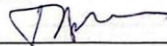







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STUDY VISIT - NOVI SAD

University of Novi Sad, Serbia
Participant list - 22 May 2024

Name and Surname	Institution	Signature
TATJANA BRANKOV	UNS	
KONSTANTINOS GALANOPOULOS	DUTH	
BOJAN MATKOVSKI	UNS	
SPYRIDON KOUTROUMPAS	DUTH	



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5.	MIRKO SAVIĆ	UNS	
6.	MARIJA JEREMIĆ	UNS	
7.	MAJA MANOJLOVIĆ	UNS	
8.	SRĐAN ŠEREMEŠIĆ	UNS	
9.	TIHANA SUDARIĆ	UNIOS	
10.	BRIGITA POPOVIĆ	UNIOS	
11.	VIKTOR KAMKIN	PSU	
12.	OXANA ERMAKOVA	PSU	
13.	NAZYMIGUL MUSTAFAEVA	PSU	



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14.	ZHANAT JABASSOVA	KENeU	
15.	VALENTINA LOBAZOVA	KENeU	
16.	GULSIM AITKHOZHAYEVA	KazNAU	
17.	ZHENISGUL BAKENOVA	KazNAU	
18.	ZHANAR KUSSAINOVA	KazNAU	
19.	BAKHYZZHAN DUISSEMBEKOV	NIIZKR	
20.	ALUA RYSBEKOVA	NIIZKR	
✓ 21.	ALIBEK USPANOV	NIIZKR	
22.	TULKUBAYEVA SANIYA	Zarechnoye	



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23.	Amangol Molekoyent 176 Sepeye	063 1064025 molekoyent49@gmail.com	Molekoyent
24.	ЖҮРА ҚАРАҒУЛ ЛОҒУН ЕКО	0691685-106	Жура
25.	MARCO BONADIES INTERN AT LOGINEKO	marcobona-dies@knu.nl	Marco Bonadies
26.	MARIJA NIKOLIC	0644644224	Marija Nikolic
27.	OLGA GAVNIC	063/888-93-63	Olga Gavnic
28.	MIKELA TOMAS CIMIN	062/240 123	Mikela Tomasi
29.	ЖАНА ЗУМАТОВИЧ	061146-93-91	Жана Зуматович
30.	Gabriela Kulik	062 686 115	Gabriela Kulik
31.	Sarka Mojzic	0644390599	Mojzic S.



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32.	Сара Амант	0612121815	Сара Амант
33.	Андрей Гречин	0611723-29-33	Гречин
34.	Елена Атанасова	062/9709943	Елена Атанасова
35.	Сандра Моргенштерн	066193263	Sandra Morgenstern
36.	Амант Риннов	066 052 602	Амант Риннов
37.	Франческа Аверант	085 2664 621	F. Averant
38.	Людмила Милованов	0611407312	Людмила Милованов



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STUDY VISIT - NOVI SAD

University of Novi Sad, Serbia

Participant list - 23 May 2024

No.	Name and Surname	Institution	Signature
1.	TATJANA BRANKOV	UNS	
2.	KONSTANTINOS GALANOPOULOS	DUTH	
3.	BOJAN MATKOVSKI	UNS	
4.	SPYRIDON KOUTROUMPAS	DUTH	



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5.	MIRKO SAVIĆ	UNS	
6.	MARIJA JEREMIĆ	UNS	
7.	MAJA MANOJLOVIĆ	UNS	
8.	SRĐAN ŠEREMEŠIĆ	UNS	
9.	TIHANA SUDARIĆ	UNIOS	 T. Sudarić
10.	BRIGITA POPOVIĆ	UNIOS	 B. Popović
11.	VIKTOR KAMKIN	PSU	
12.	OXANA ERMAKOVA	PSU	
13.	NAZYMGUL MUSTAFAEVA	PSU	



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GROKAZ		UNIVERSITAS STUDIORUM AGROKAZ NEOPLANTENSIS	Co-funded by the European Union
14.	ZHANAT JABASSOVA	KENeU	<i>[Signature]</i>
15.	VALENTINA LOBAZOVA	KENeU	<i>[Signature]</i>
16.	GULSIM AITKHOZHAYEVA	KazNAU	<i>[Signature]</i>
17.	ZHENISGUL BAKENOVA	KazNAU	<i>[Signature]</i>
18.	ZHANAR KUSSAINOVA	KazNAU	<i>[Signature]</i>
19.	BAKHYZZHAN DUISSEMBEKOV	NIIZKR	<i>[Signature]</i>
20.	ALUA RYSBEKOVA	NIIZKR	<i>[Signature]</i>
21.	ALIBEK USPANOV	NIIZKR	<i>[Signature]</i>
22.	TULKUBAYEVA SANIYA	Zarechnoye	<i>[Signature]</i>

GROKAZ		UNIVERSITAS STUDIORUM AGROKAZ NEOPLANTENSIS	Co-funded by the European Union
Project: 101082564 — AGROKAZ — ERASMUS-EDU-2022-CBHE			
STUDY VISIT - NOVI SAD			
University of Novi Sad, Serbia			
Participant list - 24 May 2024			
Name and Surname	Institution	Signature	
1. TATJANA BRANKOV	UNS	<i>[Signature]</i>	
2. KONSTANTINOS GALANOPOULOS	DUTH	<i>[Signature]</i>	
BOJAN MATKOVSKI	UNS	<i>[Signature]</i>	
SPYRIDON KOUTROUMPAS	DUTH	<i>[Signature]</i>	



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5.	MIRKO SAVIĆ	UNS	
6.	MARIJA JEREMIĆ	UNS	
7.	MAJA MANOJLOVIĆ	UNS	<i>M. Manojlović</i>
8.	SRĐAN ŠEREMEŠIĆ	UNS	<i>S. Šeremešić</i>
9.	TIHANA SUDARIĆ	UNIOS	<i>T. Sudarić</i>
10.	BRIGITA POPOVIĆ	UNIOS	<i>B. Popović</i>
11.	VIKTOR KAMKIN	PSU	<i>V. Kamkin</i>
12.	OXANA ERMAKOVA	PSU	<i>O. Ermakova</i>
13.	NAZYMGUL MUSTAFAEVA	PSU	<i>N. Mustafaeva</i>



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14.	ZHANAT JABASSOVA	KENeU	<i>Z. Jabassova</i>
15.	VALENTINA LOBAZOVA	KENeU	<i>V. Lobazova</i>
16.	GULSIM AITKHOZHAYEVA	KazNAU	<i>G. Aitkhozhayeva</i>
17.	ZHENISGUL BAKENOVA	KazNAU	<i>Z. Baknova</i>
18.	ZHANAR KUSSAINOVA	KazNAU	<i>Z. Kussainova</i>
19.	BAKHYZZHAN	NIIZKR	<i>B. Bakhytzhan</i>
20.	DUISSEMBEKOV ALUA RYSBEKOVA	NIIZKR	<i>A. Rysbekova</i>
21.	ALIBEK USPANOV	NIIZKR	<i>A. Uspanov</i>
22.	TULKUBAYEVA SANIYA	Zarechnoye	<i>T. Saniya</i>



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STUDY VISIT - NOVI SAD

University of Novi Sad, Serbia

Participant list - 25 May 2024

No.	Name and Surname	Institution	Signature
1.	TATJANA BRANKOV	UNS	
2.	KONSTANTINOS GALANOPOULOS	DUTH	
	BOJAN MATKOVSKI	UNS	
	SPYRIDON KOUTROUMPAS	DUTH	



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5.	MIRKO SAVIĆ	UNS	
6.	MARIJA JEREMIĆ	UNS	
7.	MAJA MANOJLOVIĆ	UNS	
8.	SRĐAN ŠEREMEŠIĆ	UNS	
9.	TIHANA SUDARIĆ	UNIOS	
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14.	ZHANAT JABASSOVA	KENeU	<i>[Signature]</i>
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	ALIBEK USPANOV	NIIZKR	<i>[Signature]</i>
	TULKUBAYEVA SANIYA	Zarechnoye	<i>[Signature]</i>



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Dissemination materials



Let's save our land for the future

Capacity
building in
higher education



DEVELOPMENT OF BACHELOR PROGRAM IN AGROECOLOGY WITH DUAL EDUCATION IN KAZAKHSTAN

The main goal of the project is to reduce the gap in the structure, volume and quality of labour resources from the real requirements of specific farms/enterprises and to educate professionals with competencies related to modern technologies.

Wider Objectives
The project's main objective is to develop the bachelor program in AE with DE in Kazakhstan to contribute to regional development, the improvement of the competitiveness of the agricultural sector, sustainable agroecology policy and practices, increase in innovation capacities, smart specialization strategies and support the development of lifelong learning culture using digital technologies.

Innovative Learning Environment
New educational program
New accredited/certified laboratory
Training of academic teachers in AE

The project aims to develop and implement the sustainable dual study undergraduate program in Agroecology at three universities in Kazakhstan as well as to establish lifelong courses for professionals.

Specific Objectives

- to analyse and synthesize the similarities and differences between various courses related to agroecology in Kazakhstan and best practices (programs) in DE and AE in Serbia, Greece and Croatia.
- to define desirable learning outcomes and competencies of experts on agroecology.
- to develop the new curriculum (program, syllabi of all the courses and the modules, and ECTS) consisting of 21 updated existing courses and 24 new courses at 3 HEIs in Kazakhstan.
- to fulfil all the necessary conditions for the implementation of the new program in agroecology at 3 HEIs.

Consortium
UE: 3 universities
KZ: 3 universities; 2 research partners; 6 associated partners

Erasmus+ CBHE
Project No: 101082564
Project coordinator: University Novy Sad <https://agrokaz.kineuprojects.kz/>

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Also, as a dissemination channel we used the social media and web-page of project:

Facebook: <https://www.facebook.com/share/rzBM1wzWhXe4NPr7/?mibextid=WC7FNe>

Instagram: https://www.instagram.com/agrokaz__?igsh=and5b243Ynd4andw

Web-page: <https://agrokaz.kineuprojects.kz/главная/>



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Appendix





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Međunarodni forum Agrokaz

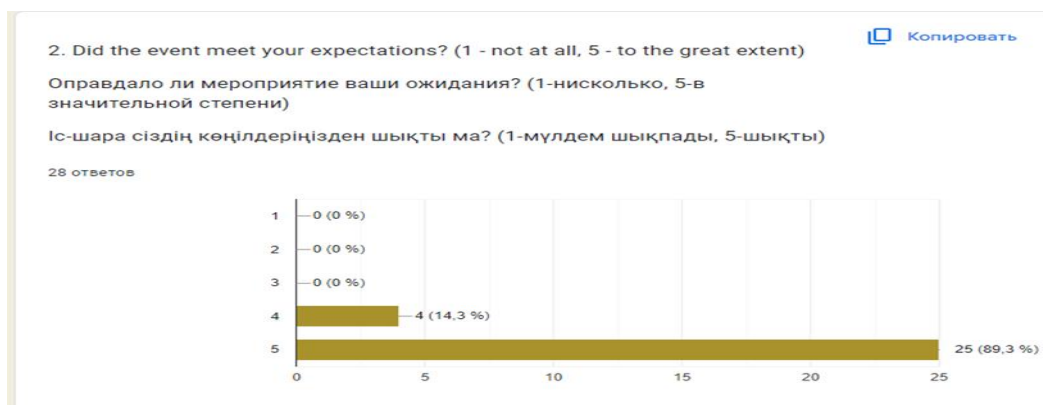
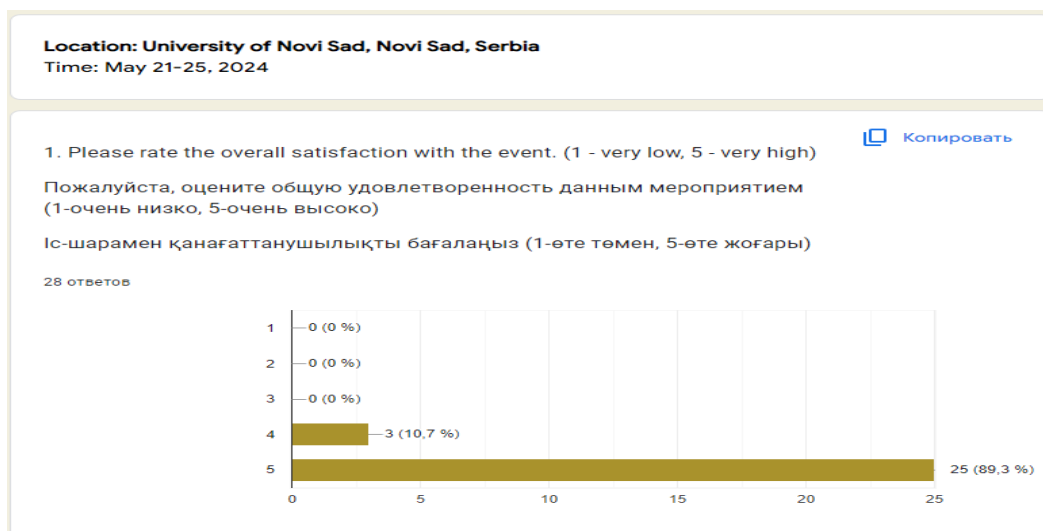




Participant Feedback (Survey Results)

To gather feedback about the study visit to Novi Sad, we used the same questionnaire for participants as we did for the workshops in Almaty and Pavlodar, developed by the project partner UNIOS.

The results showed the following:





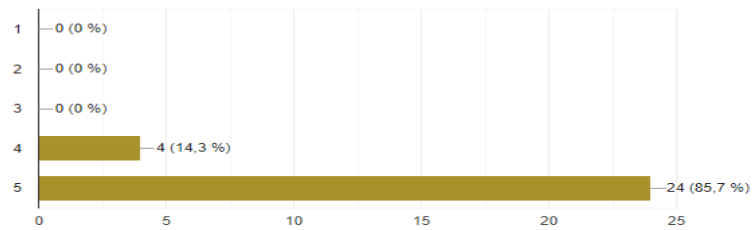
6. Please evaluate overall quality of the organization. (1 - very low, 5 - very high)

[Копировать](#)

Пожалуйста оцените общее качество организации мероприятия (1-очень низко, 5-очень высоко)

Іс-шараның жалпы сапасын бағалаңыз (1-өте төмен, 5-өте жоғары)

28 ответов



7. To what extent are you satisfied with:

[Копировать](#)

(1 - very low, 5 - very high)

Насколько вы удовлетворены (1-очень низко, 5-очень высоко)

Қаншалықты қанағаттысыз?

