



**Let's save our land for the future**

**Report on the Study Visit to Osijek and Workshop**  
**"Metrics for BA dual study programs and LLL program"**  
**Osijek, Croatia, May 26-30, 2024**

[agrokaz.kineuprojects.kz](http://agrokaz.kineuprojects.kz)

<b>Project acronym</b>	AGROKAZ
<b>Project full title</b>	Development of bachelor program in agroecology with dual education in Kazakhstan
<b>Project number</b>	101082564
<b>Funding scheme</b>	ERASMUS Lump Sum Grants (ERASMUS-EDU-2022-CBHE-STRAND-2)
<b>Project start date</b>	01/02/2023
<b>Project duration</b>	3 years

<b>TITLE OF DOCUMENT</b>	Report on the Study Visit to Osijek, and Workshop "Metrics for BA dual study programs and LLL program" Osijek, Croatia, May 26-30, 2024
<b>Work package</b>	WP 4. Preparation for implementation of new bachelor and LLL programs
<b>Deliverable</b>	Report
<b>Responsible Team members</b>	Tihana Sudarić, UNIOS, Croatia <a href="mailto:tihana.sudaric@fazos.hr">tihana.sudaric@fazos.hr</a>
<b>Due date</b>	21/06/2024
<b>File name</b>	Report
<b>Number of pages</b>	37
<b>Dissemination level</b>	SEN

<b>Abstract</b>	This report is about study visit to Osijek, Croatia and Workshop "Metrics for BA dual study programs and LLL program" - dual education in Kazakhstan: from concept to practice. During panels, workshop and presentations discussion from all partners was developed in order finalize the preparation of the Quality Control Manual Metrics for the study and lifelong learning programs.
-----------------	--

### **VERSIONING AND CONTRIBUTION HISTORY**

<b>Version</b>	<b>Date</b>	<b>Description</b>	<b>Responsible members</b>
1.0	21.06.2024.	First Report	UNIOS
1.1		Final	UNIOS

### **DISCLAIMER**

*Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency. Neither the European Union nor the granting authority can be held responsible for them.*

## **Table of contents**

Introduction

Agenda

List of participants

Dissemination materials

Appendix

Participant Feedback (Survey Results)

## Introduction

The aim of the study visit to Osijek (UNIOS) was to visit the University, become familiar with the scientific work in the agroecology field, and visit business entities in agriculture in Croatia. Special attention was given to organizing the workshop "Metrics for BA Dual Study Programs and LLL Program: Dual Education in Kazakhstan - From Concept to Practice." This event was organized by the University of Josip Juraj Strossmayer in Osijek, Faculty of Agrobiotechnical Sciences Osijek, from May 26 to May 30, 2024.

There were 22 participants from partner organizations in Serbia, Greece, Kazakhstan, and Croatia.

**The first day (May 26)** started with a study visit to the Kopački Rit Nature Park, followed by presentations at the Tikveš Educational Center. Kopački Rit Nature Park is located at the confluence of the Danube and Drava rivers. Depending on the water level, these two rivers constantly shape and change the appearance of Kopački Rit, creating a mosaic of lakes, canals, ponds, floodplain forests, reed beds, and wet meadows. It is one of the best-preserved floodplains in Europe and includes the Special Zoological Reserve, the most valuable part of the Park. Kopački Rit is characterized by exceptional landscape beauty and great biodiversity. The whole area is widely known as a habitat for numerous waterfowl birds, a population of deer, and its most significant inhabitant—the white-tailed eagle, which is also a symbol of the Park.

**On the second day (May 27)**, we had welcome speeches, followed by a panel discussion about the importance of agroecology in agriculture, with special attention given to the study program approval procedure in Croatia. This example was compared with those in partner countries (Serbia, Greece, and Kazakhstan). The university campus tour was led by Ivana Majić, Vice Dean for International Cooperation, and Brigita Popović, Vice Dean for Organization. Among all departments and units, special attention and interest were given to the Central Analytical Unit (CAAJ) and the Department for Plant Production and Biotechnology. In the afternoon session, we had presentations by Viktor Kamkin, Zhanat Jabassova, Gulsim Aitkhozhayeva, Alua Rysbekova, and Saniya Tulkubayeva about project partners' involvement in the project, with special attention to the implementation of curricula for dual study programs and the LLL program in Kazakhstan. We discussed the challenges and next steps in the project.

**The third day (May 28)** began with a field trip to two representative business sectors (Belje and Našički Ribnjaci). After presentations by representatives of these business entities, the participants from the project (Serbia, Greece, Kazakhstan, and Croatia) discussed many ecological problems that arise in areas with intensive agricultural activity and become significant obstacles to sustainable development. To balance the use of natural resources in agriculture (land, soil, and water), we concluded that knowledge is required, and the study of agroecology emphasizes the methods and possibilities of sustainable development within agriculture. The education of experts is crucial for sustainable development in agriculture, and the goal of this bachelor's study

program is to educate generations of agroecologists who will organize agricultural production in Kazakhstan in an ecologically acceptable and sustainable way.

**On the fourth day (May 29)**, we visited the experimental station of the Faculty of Agrobiotechnical Sciences Osijek (approximately 100 ha). These fields represent organizational units for part of the teaching process (professional practice), scientific research, and professional work within the Faculty's activities and for international cooperation. After that, we had the workshop "Metrics for BA Dual Study Programs and LLL Program: Dual Education in Kazakhstan - From Concept to Practice." The introduction speech was given by Tihana Sudarić (UNIOS), and afterward, all partners discussed the qualifications and competences required for the labor market in agroecology. During the workshop, the members of the Quality Committee approved a set of questionnaires for students, LLL students, teachers, and company mentors. All partners discussed the proposal (draft version) of the 'Quality Control Manual Metrics for the Study and LLL Programs,' and some changes were made.

**On the fifth day (May 30)**, participants finalized the results of the study visits and discussed the next steps in the project. Special focus was given to new and updated courses at three universities in Kazakhstan and the development of lifelong learning for professionals.

## Agenda

### DAY I

Time 11:00-18:00, location, Faculty of Agrobiotechnical Sciences Osijek, May 26, 2024		
11:00 – 12:00	Registration of participants	
12:00-13:30	Visit Kopački Rit Nature Park	Tihana Sudaric, University of Osijek
13:30-15:00	Presentation and education center Tikveš	Tihana Sudaric, University of Osijek
15:00-15:15	<i>Group Photo</i>	
16:00-18:00	<i>Welcome Lunch</i>	

### DAY II

Time 09:00-17:00, location. Faculty of Agrobiotechnical Sciences Osijek, May 27, 2024		
09:00-10:00	Registration of participants	
10:00-10:30	Welcome Speeches	Krunoslav Zmaić, dean of Faculty of Agrobiotechnical Sciences Osijek Ivana Majić, vice dean for International cooperation, UNIOS Tatjana Brankov, project coordinator University of Novi Sad, Tihana Sudaric, UNIOS
10:30-11:15	Importance of agroecology in agriculture	Brigita Popović, vice dean for organization, UNIOS
11.15-12.00	Study program approval procedure in Croatia	Andrijana Rebekić, vice dean for education and quality management, UNIOS
12:00-12:30	<i>Coffee-break</i>	
12:30-14:30	University campus tour - Faculty of agrobiotechnical sciences Osijek CAAJ – Central analytical agrobiotechnical unit Department for agroecology and protection of environment Department for animal production and biotechnology	Brigita Popović, vice dean for organization, UNIOS Daniel Haman. International office

	Department for plant production and biotechnology Department for bioeconomy and rural development Department for phytomedicine Department for agricultural mechanization and renewable energy resources	
14:30-15.30	<i>Lunch</i>	
15.30-17.00	Presentation about involment in project and resultes	Viktor Kamkin, Toraighyrov University
		Zhanat Jabassova, Kostanay Engineering and Economics University named after M. Dulatov
		Gulsim Aitkhozhayeva, Kazakh National Agrarian Research University
		Alua Rysbekova, The Kazakh Research Institute for Plant Protection and Quarantine
		Saniya Tulkubayeva, Agricultural experimental station "Zarechnoye"

### DAY III

Time 10:00-16:00, location, Faculty of Agrobiotechnical Sciences Osijek, May 28, 2024	
09 <sup>45</sup> – 10 <sup>00</sup>	Registration of participants
10:00-12:00	Belje - meeting with heads of farms
12:00-15:00	Žito grupa - meeting with heads of farms
15:00-16:00	<i>Lunch</i>
16.00 - 17.00	<i>City tour</i>
	<i>Free Time</i>

### DAY IV

Time 10:00-16:30, location, Faculty of Agrobiotechnical Sciences Osijek, May 29, 2024	
09 <sup>45</sup> – 10 <sup>00</sup>	Registration of participants
10:00-12.00	Tour of experimental station Tenja, FAZOS

12:00-13:00	Project Review	Tatjana Brankov, project coordinator
13:00-14:00	<i>Lunch</i>	
14:00-16:00	Workshop about metrix for quality assurance	Tihana Sudaric, University of Osijek Bojan Matkovski, Univeristy of Novi Sad Zhanat Jabassova, University Named after M.Dulatov Samal Kazybayeva, Toraighyrov University Azbal Abdramanov, Kazakh National Agrarian University Konstantionos Galanopoulos, Dimokritio Panepistimo Thrakis
16:00-16:30	Discussion	All partners

### DAY V

Time 10:00-15:00, location, Faculty of Agrobiotechnical Sciences Osijek, May 30, 2024	
09 <sup>45</sup> – 10 <sup>00</sup> h	Registration of participants
10:00-13:00	Finalizing AgroKaz work
14:00-15:00	Comments by partner universities
	<i>Free Time</i>

**Contacts:** Tihana Sudarić, Faculty of Agrobiotechnical Sciences Osijek, Vladimira Preloga 1, Osijek, Croatia +00385 91 224 2777, [tihana.sudaric@fazos.hr](mailto:tihana.sudaric@fazos.hr)





Co-funded by  
the European Union

Project: 101082564 — AGROKAZ — ERASMUS-EDU-2022-CBHE

## Dual Education in Kazakhstan: From concept to practice

Josip Juraj Strossmayer University of Osijek, Faculty of Agrobiotechnical Sciences Osijek  
Participant list - 26 May 2024

No.	Name and Surname	Institution	Signature
1.	Zhanat Jabassova	Kostanay Engineering and Economics University named after M. Dulatov	
2.	Valentina Lobazova	Kostanay Engineering and Economics University named after M. Dulatov	
3.	Gulsim Aitkhozhayeva	Kazakh National Agrarian Research University	
4.	Zhenisgul Bakenova	Kazakh National Agrarian Research University	

## List of participants



Co-funded by  
the European Union

No.	Name and Surname	Institution	Signature
5.	Zhanar Kussainova	Kazakh National Agrarian Research University	
6.	Viktor Kamkin	Toraighyrov University	
7.	Nazymgul Mustafayeva	Toraighyrov University	
8.	Oxana Yermakova	Toraighyrov University	
9.	Saniya Tulkubayeva	Agricultural experimental station "Zarechnoye"	
10.	Bakhytzhan Duissembekov	The Kazakh Research Institute for Plant Protection and Quarantine	
11.	Alua Rysbekova	The Kazakh Research Institute for Plant Protection and Quarantine	
12.	Alibek Uspanov	The Kazakh Research Institute for Plant Protection and Quarantine	

No.	Name and Surname	Institution	Signature
13.	Tatjana Brankov	University of Novi Sad	
14.	Bojan Matovski	University of Novi Sad	
15.	Srđan Sermešić	University of Novi Sad	
16.	Konstantinos Galanopoulos	Democritus University of Thrace	
17.	Spyridon Koutroubas	Democritus University of Thrace	
18.	Ivana Majić	Josip Juraj Strossmayer University of Osijek	
19.	Brigita Popović	Josip Juraj Strossmayer University of Osijek	
20.	Andrijana Rebekić	Josip Juraj Strossmayer University of Osijek	



Co-funded by  
the European Union

No.	Name and Surname	Institution	Signature
21.	Tihana Sudarić	Josip Juraj Strossmayer University of Osijek	<i>T. Sudarić</i>
22.	Krunoslav Zmaić	Josip Juraj Strossmayer University of Osijek	<i>Krunoslav Zmaić</i>



Josip Juraj Strossmayer  
University of Osijek

Faculty of  
Agrobiotechnical  
Sciences Osijek



Co-funded by  
the European Union

**AGROKAZ**  
DEVELOPMENT OF BACHELOR PROGRAM IN AGRICULTURE WITH DUAL EDUCATION  
IN KAZAKHSTAN




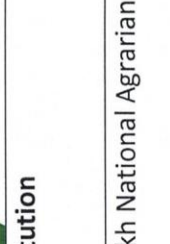

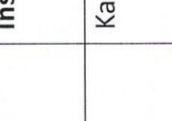

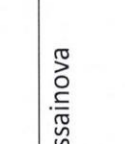
Project: 101082564 — AGROKAZ — ERASMUS-EDU-2022-CBHE

## Dual Education in Kazakhstan: From concept to practice

Josip Juraj Strossmayer University of Osijek, Faculty of Agrobiotechnical Sciences Osijek

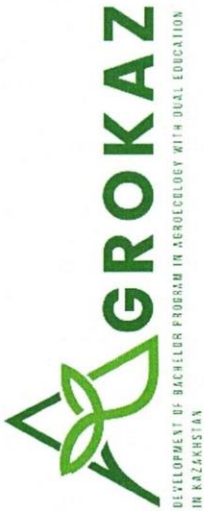
Participant list - 27<sup>th</sup> May 2024

No.	Name and Surname	Institution	Signature
1.	Zhanat Jabassova	Kostanay Engineering and Economics University named after M. Dulatov	
2.	Valentina Lobazova	Kostanay Engineering and Economics University named after M. Dulatov	
3.	Gulsim Aitkhozhayeva	Kazakh National Agrarian Research University	
4.	Zhenisgul Bakenova	Kazakh National Agrarian Research University	

No.	Name and Surname	Institution	Signature
5.	Zhanar Kussainova	Kazakh National Agrarian Research University	
6.	Viktor Kamkin	Toraighyrov University	
7.	Nazymgul Mustafayeva	Toraighyrov University	
8.	Oxana Yermakova	Toraighyrov University	
9.	Saniya Tulkubayeva	Agricultural experimental station "Zarechnoye"	
10.	Bakhytzhан Duissembekov	The Kazakh Research Institute for Plant Protection and Quarantine	
11.	Alua Rysbekova	The Kazakh Research Institute for Plant Protection and Quarantine	
12.	Alibek Uspanov	The Kazakh Research Institute for Plant Protection and Quarantine	



No.	Name and Surname	Institution	Signature
13.	Tatjana Brankov	University of Novi Sad	
14.	Bojan Matovski	University of Novi Sad	
15.	Srđan Sermešić	University of Novi Sad	
16.	Konstantionos Galanopoulos	Democritus University of Thrace	
17.	Spyridon Koutroubas	Democritus University of Thrace	
18.	Ivana Majić	Josip Juraj Strossmayer University of Osijek	
19.	Brigita Popović	Josip Juraj Strossmayer University of Osijek	
20.	Andrijana Rebekić	Josip Juraj Strossmayer University of Osijek	



Josip Juraj Strossmayer  
University of Osijek

**Faculty of  
Agrobiotechnical  
Sciences Osijek**



**Co-funded by  
the European Union**

No.	Name and Surname	Institution	Signature
21.	Tihana Sudarić	Josip Juraj Strossmayer University of Osijek	<i>T. Sudarić</i>
22.	Krunoslav Zmaić	Josip Juraj Strossmayer University of Osijek	<i>Krunoslav Zmaić</i>





Josip Juraj Strossmayer  
University of Osijek

Faculty of  
Agrobiotechnical  
Sciences Osijek



Co-funded by  
the European Union

Project: 101082564 — AGROKAZ — ERASMUS-EDU-2022-CBHE

## Dual Education in Kazakhstan: From concept to practice

Josip Juraj Strossmayer University of Osijek, Faculty of Agrobiotechnical Sciences Osijek

Participant list - 28<sup>th</sup> May 2024

No.	Name and Surname	Institution	Signature
1.	Zhanat Jabassova	Kostanay Engineering and Economics University named after M. Dulatov	
2.	Valentina Lobazova	Kostanay Engineering and Economics University named after M. Dulatov	
3.	Gulsim Aitkhozhayeva	Kazakh National Agrarian Research University	
4.	Zhenisgul Bakanova	Kazakh National Agrarian Research University	



No.	Name and Surname	Institution	Signature
5.	Zhanar Kussainova	Kazakh National Agrarian Research University	
6.	Viktor Kamkin	Toraighyrov University	
7.	Nazymgul Mustafayeva	Toraighyrov University	
8.	Oxana Yermakova	Toraighyrov University	
9.	Saniya Tulkubayeva	Agricultural experimental station "Zarechnoye"	
10.	Bakhytzhan Duissembekov	The Kazakh Research Institute for Plant Protection and Quarantine	
11.	Alua Rysbekova	The Kazakh Research Institute for Plant Protection and Quarantine	
12.	Alibek Uspanov	The Kazakh Research Institute for Plant Protection and Quarantine	

No.	Name and Surname	Institution	Signature
13.	Tatjana Brankov	University of Novi Sad	
14.	Bojan Matovski	University of Novi Sad	
15.	Srđan Sermešić	University of Novi Sad	
16.	Konstantinos Galanopoulos	Democritus University of Thrace	
17.	Spyridon Koutroubas	Democritus University of Thrace	
18.	Ivana Majić	Josip Juraj Strossmayer University of Osijek	
19.	Brigita Popović	Josip Juraj Strossmayer University of Osijek	
20.	Andrijana Rebekić	Josip Juraj Strossmayer University of Osijek	



Co-funded by  
the European Union

No.	Name and Surname	Institution	Signature
21.	Tihana Sudarić	Josip Juraj Strossmayer University of Osijek	
22.	Krunoslav Zmaić	Josip Juraj Strossmayer University of Osijek	



Josip Juraj Strossmayer  
University of Osijek

Faculty of  
Agrobiotechnical  
Sciences Osijek



Co-funded by  
the European Union

Project: 101082564 — AGROKAZ — ERASMUS-EDU-2022-CBHE


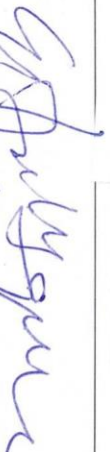





## Dual Education in Kazakhstan: From concept to practice

Josip Juraj Strossmayer University of Osijek, Faculty of Agrobiotechnical Sciences Osijek

Participant list - 29<sup>th</sup> May 2024



No.	Name and Surname	Institution	Signature
1.	Zhanat Jabassova	Kostanay Engineering and Economics University named after M. Dulatov	
2.	Valentina Lobazova	Kostanay Engineering and Economics University named after M. Dulatov	
3.	Gulsim Aitkhozhayeva	Kazakh National Agrarian Research University	
4.	Zhenisgul Bakenova	Kazakh National Agrarian Research University	

No.	Name and Surname	Institution	Signature
5.	Zhanar Kussainova	Kazakh National Agrarian Research University	
6.	Viktor Kamkin	Toraighyrov University	
7.	Nazymgul Mustafayeva	Toraighyrov University	
8.	Oxana Yermakova	Toraighyrov University	
9.	Saniya Tul Kubayeva	Agricultural experimental station "Zarechnoye"	
10.	Bakhytzhan Duissembekov	The Kazakh Research Institute for Plant Protection and Quarantine	
11.	Aliya Rysbekova	The Kazakh Research Institute for Plant Protection and Quarantine	
12.	Alibek Uspanov	The Kazakh Research Institute for Plant Protection and Quarantine	

No.	Name and Surname	Institution	Signature
13.	Tajana Brankov	University of Novi Sad	
14.	Bojan Matovski	University of Novi Sad	
15.	Srđan Sermešić	University of Novi Sad	
16.	Konstantinos Galanopoulos	Democritus University of Thrace	
17.	Spyridon Koutroubas	Democritus University of Thrace	
18.	Ivana Majić	Josip Juraj Strossmayer University of Osijek	
19.	Brigita Popović	Josip Juraj Strossmayer University of Osijek	
20.	Andrijana Rebekić	Josip Juraj Strossmayer University of Osijek	



Co-funded by  
the European Union

No.	Name and Surname	Institution	Signature
21.	Tihana Sudarić	Josip Juraj Strossmayer University of Osijek	
22.	Krunoslav Zmaić	Josip Juraj Strossmayer University of Osijek	





Josip Juraj Strossmayer  
University of Osijek

Faculty of  
Agrobiotechnical  
Sciences Osijek



Co-funded by  
the European Union

Project: 101082564 — AGROKAZ — ERASMUS-EDU-2022-CBHE

## Dual Education in Kazakhstan: From concept to practice

Josip Juraj Strossmayer University of Osijek, Faculty of Agrobiotechnical Sciences Osijek

Participant list - 30<sup>th</sup> May 2024

No.	Name and Surname	Institution	Signature
1.	Zhanat Jabassova	Kostanay Engineering and Economics University named after M. Dulatov	
2.	Valentina Lobazova	Kostanay Engineering and Economics University named after M. Dulatov	
3.	Gulsim Aitkhozhayeva	Kazakh National Agrarian Research University	
4.	Zhenisgul Bakenova	Kazakh National Agrarian Research University	





No.	Name and Surname	Institution	Signature
5.	Zhanar Kussainova	Kazakh National Agrarian Research University	
6.	Viktor Kamkin	Toraighyrov University	
7.	Nazymgul Mustafayeva	Toraighyrov University	
8.	Oxana Yermakova	Toraighyrov University	
9.	Saniya Tulkuabayeva	Agricultural experimental station "Zarechnoye"	
10.	Bakhytzhan Duissembekov	The Kazakh Research Institute for Plant Protection and Quarantine	
11.	Alua Rysbekova	The Kazakh Research Institute for Plant Protection and Quarantine	
12.	Alibek Uspanov	The Kazakh Research Institute for Plant Protection and Quarantine	



No.	Name and Surname	Institution	Signature
13.	Tajjana Brankov	University of Novi Sad	
14.	Bojan Matovski	University of Novi Sad	
15.	Srdan Sermešić	University of Novi Sad	
16.	Konstantinos Galanopoulos	Democritus University of Thrace	
17.	Spyridon Koutroubas	Democritus University of Thrace	
18.	Ivana Majić	Josip Juraj Strossmayer University of Osijek	
19.	Brigita Popović	Josip Juraj Strossmayer University of Osijek	
20.	Andrijana Rebečić	Josip Juraj Strossmayer University of Osijek	



Co-funded by  
the European Union

No.	Name and Surname	Institution	Signature
21.	Tihana Sudarić	Josip Juraj Strossmayer University of Osijek	
22.	Krunoslav Zmaić	Josip Juraj Strossmayer University of Osijek	

## **Dissemination**

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

**Instagram:** [https://www.instagram.com/agrokaz\\_\\_?igsh=and5b243Ynd4andw](https://www.instagram.com/agrokaz__?igsh=and5b243Ynd4andw)

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

### **FAZOS dissemination:**

**Facebook:** [https://www.facebook.com/FAZOSOsijek/?locale=hr\\_HR](https://www.facebook.com/FAZOSOsijek/?locale=hr_HR)

**Instagram:** <https://www.instagram.com/fazos.unios/>

**Web-page:** [poljoprivreda.fazos.hr/development-of-bachelor-program-in-agroecology-with-dual-education-in-kazakhstan](http://poljoprivreda.fazos.hr/development-of-bachelor-program-in-agroecology-with-dual-education-in-kazakhstan)



Co-funded by  
the European Union



## Appendix





Co-funded by  
the European Union





Co-funded by  
the European Union







Co-funded by  
the European Union





Co-funded by  
the European Union





Co-funded by  
the European Union



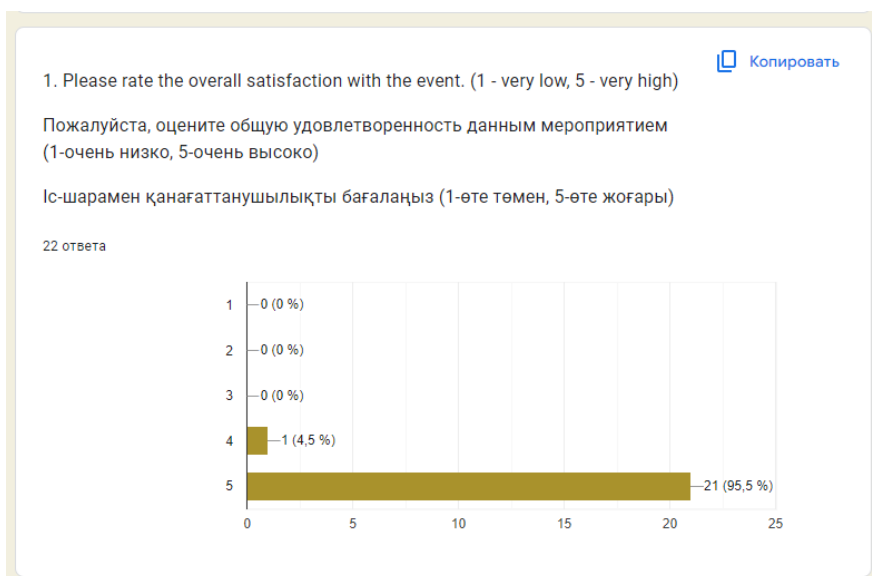


## Participant Feedback (Survey Results)

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


Evaluation form was developed by the project partner UNIOS.

The results showed the following:





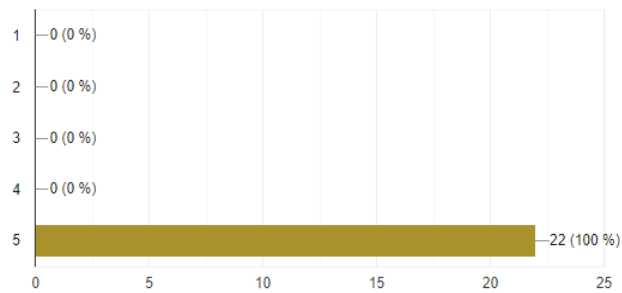
6. Please evaluate overall quality of the organization. (1 - very low, 5 - very high)

 Копировать


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

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

22 ответа



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?

