

Report on the dissemination
activities implemented
within the 3rd year of the project



New and Innovative Courses for Precision Agriculture



NATIONAL UNIVERSITY OF UZBEKISTAN NAMED AFTER MIRZO ULUGBEK

Dr. ABDUMANAP NASIROV

Joint Project: Capacity Building in the
Field of Higher Education ERASMUS+
2018

Co-funded by the
Erasmus+ Programme
of the European Union





Schedule of dissemination events (2021-2022)

No	Dissemination event	Dissemination method	Implementation date
1	Coordination meeting with Uzbek partner universities, TUIT, Tashkent, Uzbekistan	Event-based	2021
2	Project news on the NUU website, Tashkent, Uzbekistan	Web-based	Regularly
3	Coordination meeting with Uzbek partner universities, TUIT, Tashkent, Uzbekistan	Event-based, web-based	2021
4	Meetings with EU and UZ partners	Event-based, web-based	Every two months via video conferencing
5	Project Awareness building seminar	Event-based, web-based	Regularly
6	Erasmus+ Week, Tashkent, Uzbekistan	Event-based	2021
7	International GIS in Central Asia Conference – GISCA 2021. Online Conference, Tashkent, Uzbekistan	Event-based, web-based	May-June, 2021
8	Erasmus+ Information day, Tashkent, Uzbekistan	Event-based	2021
9	Regional meeting	Event-based	2021
10	Information about project related events, achievements, materials etc. on the web of:-Erasmus+ NICOPA project (https://nicopa.eu);-NUU (https://nuu.uz);-Social media and channels (http://facebook.com , http://telegram.org);-mass media (http://kun.uz , http://uza.uz , http://uzbekistan24.uz , http://daryo.uz)	Web-based	Regularly



Online Master Classes

Master Classes

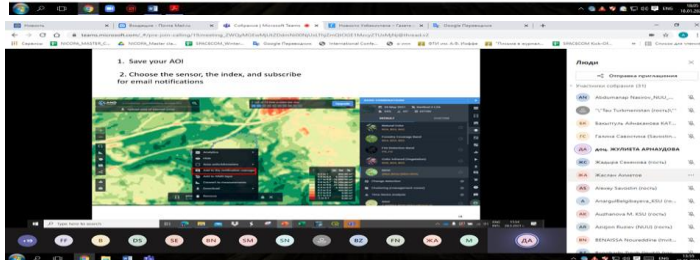
13 January - 28 May 2021

Online

Objectives:

1. General introduction of modern agriculture and business
2. Yield Sensors for Precision Agriculture
3. Global Navigation Satellite Systems (NAVSTAR, GLONASS, GALILEO, etc.)
4. Soft Skills for Engineers
5. Data from Drones - Application and Processing, Principles of Photographic Interpretation
6. Using Landsat and Sentinel Satellites for Agricultural field monitoring
7. CubeSat Technology
8. Use of spectral information
9. Introduction to the course, Soil importance & basics
10. Production Potential of Agriculture
11. Vegetation indices and color syntheses
12. Physical soil properties
13. Access to Sentinel Data
14. The role of innovation technologies for the production potential of agriculture
15. Access to Sentinel Data-part 2. SNAP toolbox and GIS data processing
16. Land Viewer, USGS GloVis

- <https://nuu.uz/nicopa-aniq-qishloq-xo'jaligi-uchun-yangi-va-innovatsion-kurslar/>
<https://nuu.uz/ru/nicopa-aniq-qishloq-xo'jaligi-uchun-yangi-va-innovatsion-kurslar/>
<https://nuu.uz/en/nicopa-aniq-qishloq-xo'jaligi-uchun-yangi-va-innovatsion-kurslar/>





Master class

Seminar

29-31 March 2021

Tashkent University of Information Technologies named after Muhammad Al-Kharizmi

A three-day master class on "SMALL SATELLITE SYSTEM ENGINEERING" was held on March 29-31, 2021 at the Tashkent University of Information Technologies named after Muhammad Al-Kharizmi within the framework of the Erasmus + program SPACECOM (New Curricula on Space Systems and Communication Technologies) and NICOPA (New Innovative Courses in Clear Agriculture).

<https://nuu.uz/eng/press/news/events/ev-international/1670>





Seminar

Seminar

8 April 2021

National University of Uzbekistan

Objectives:

1. Small Satellite system
2. Tracking of Uzbekistan Airways aircrafts
3. Remote Sensing mission for detection traffic jams on road and land use change in Tashkent

<https://www.youtube.com/watch?v=3z07YC0p0UI>





XV conference “Central Asia: Geographic Information Systems - GISCA 2021”

Conference

30 May- 2 June 2021

Offline/Online

XV conference “Central Asia: Geographic Information Systems - GISCA 2021” was held in a hybrid format with the regional distribution of Almaty, Bishkek, Dushanbe, Tashkent and Urumqi, May 30 - June 2, 2021.

<https://nuu.uz/rus/press/news/events/ev-international/1754>

<https://www.youtube.com/watch?v=R4eua26dr1o>



Cisco Webex Events | Event info | Hide Menu Bar

File Edit Share View Audio & Video Participant Event Help

Thom Abdulnaiman Alimera Nazarkulova Akybek Chymyratov Aljibir Kurban Ikhomjon Abdullayev Azugun Ruziev

Central Asia GIS Conferences
GISCA 2021
XV
May 30 - June 2

From Spatial Data to Spatial Infrastructure

Kazakhstan Mongolia
Georgia Azerbaijan Uzbekistan Kyrgyzstan
Turkmenistan Tajikistan China
Afghanistan Pakistan

<https://www.aca-gis-science.org/pages/gisca-2021>

Mute Stop video Share

Participants Chat

8:02 PM 6/1/2021



Regional meeting

Regional meeting

16 June 2021

National University of Uzbekistan

In this event was attended by NUU Vice-Rector for International Relations Shirinova R., Dean of the Faculty of Geography and Natural Resources Sharipov Sh., Head of the Department for Participation in International Ratings Torakulova A., NICOPA National Project Coordinator Nasirov A. and NICOPA Project Manager S. Kitaybekova, Project Manager for quality A. Baitelenova and the scientific supervisor of the project G. Satibaldieva.





Opening PAL-VCR laboratory

Opening PAL-VCR laboratory

16 June 2021

National University of Uzbekistan

At the NUU the official opening of a PAL -VCR took place, prospects for cooperation between higher educational institutions were discussed.



16.06.2021

NICOPA: инновационный подход к точному сельскому хозяйству



16.06.2021

NICOPA: инновационный подход к точному сельскому хозяйству



16.06.2021

NICOPA: инновационный подход к точному сельскому хозяйству



Opening PASO office

Opening PASO office

16 June 2021

National University of Uzbekistan

At the NUU the official opening of the PASO office took place, and certificates were awarded to participants in the 72-hour course.





ERASMUS+ WEEK IN UZBEKISTAN

“Photo and video exhibition of Erasmus+ CBHE projects”

19 October 2021

Online

Organisers: National Erasmus+ Office (NEO), National University of Uzbekistan, Erasmus+ CBHE projects team

All materials will be posted on the Facebook, Instagram and Telegram pages.



with the support of the
Erasmus+ Programme of the European Union

1st Place Certificate

This certificate is presented to

**Erasmus+ CBHE “NICOPA: NEW AND INNOVATIVE COURSES FOR
PRECISION AGRICULTURE”**

for outstanding demonstration of project results at the

“Online photo and video exhibition” within the Erasmus+ week in Tashkent

11-16 October 2021

Aziza Abdurakhmanova
Coordinator of National Erasmus+ Office
in Uzbekistan





ERASMUS+ WEEK IN UZBEKISTAN

“Testimonials of Uzbekistan Erasmus+ CBHE project participants”

11 May 2022

National University of Uzbekistan

Organisers: National Erasmus+ Office (NEO), National University of Uzbekistan, Erasmus+ CBHE projects team

Participants: academic and administrative staff, doctorates and students and Representatives of higher educational institutions (HEIs) from Tashkent



ERASMUS+ WEEK IN UZBEKISTAN

“Testimonials of Uzbekistan Erasmus+ CBHE project participants”

Date and time: Wednesday, 11 May 2022, 14.30

Venue: National University of Uzbekistan, main building, 1st floor, Library

Organisers: National Erasmus+ Office (NEO), National University of Uzbekistan, Erasmus+ CBHE projects team

Participants: academic and administrative staff, doctorates and students and Representatives of higher educational institutions (HEIs) from Tashkent

14:20-14:30 Registration

14:30-14:40 Opening by NUUz administration

14:40-15:00 Erasmus+ opportunities for Uzbekistan higher educational institutions: Capacity Building in Higher Education, opportunities for new comers, International credit mobility, Jean Monnet
Gulshoda Karlibayeva, NEO project manager
Q&A

15:00-15:10 Implementation of CBHE “DECIDE: Developing services for Individuals with Disabilities” project in Uzbekistan
Sherzod Gulamov, Tashkent University of Information Technologies
Q&A

15:10-15:20 Impact of CBHE “ITEM: Innovative Teaching Education in Mathematics” project
Javlon Karimov, National University of Uzbekistan
Q&A

15:20-15:35 Implementation of CBHE “NICOPA: New and Innovative Courses for Precision Agriculture” and “SPACECOM: New study program in space systems and communications engineering” projects
Abdumanap Nasirov, National University of Uzbekistan
Q&A

15:35-15:45 Results of CBHE “UNICAC: University Cooperation Framework for Knowledge Transfer in Central Asia and China” project
Nilufar Sadullayeva, National University of Uzbekistan
Q&A

15:45-16:00 Q&A Discussion

ERASMUS+ WEEK 2022

DATE	EVENT	VENUE/TIME
10 May (TUE)	<ul style="list-style-type: none"> Press-conference “Europe Days in Uzbekistan” Talk on Erasmus+ opportunities for students Session: Skills gained through Erasmus+ mobility 	<p>10.00</p> <p>Live stream on Instagram, 14.00</p> <p>Karshj Engineering-Economic Institute, 14.30</p>
11 May (WED)	<ul style="list-style-type: none"> Information Session “Erasmus+ opportunities for institutional cooperation” Testimonials of Uzbekistan Erasmus+ CBHE project participants 	<p>Management Development Institute of Singapore, 10.00</p> <p>National University of Uzbekistan, 14.30</p>
12 May (THU)	<ul style="list-style-type: none"> Information Session “Erasmus+ opportunities for institutional cooperation” Session “Best practices of Erasmus+ projects in Jizzakh” Testimonials from Erasmus+ beneficiaries 	<p>Tashkent State Pedagogical University, 15.00</p> <p>Jizzakh State Pedagogical Institute, 15.30</p> <p>Karakalpak Institute of Agriculture and Agrotechnology, 15.00</p>
13 May (FRI)	<ul style="list-style-type: none"> Information Session “Erasmus+ opportunities for institutional cooperation” Session “Best practices of Erasmus+ projects in Andijan” Storytelling: How Erasmus+ programme helped me to find my Career 	<p>Tashkent Financial Institute, 14.30</p> <p>Andijan Institute of Agriculture and Agrotechnology, 10.00</p> <p>Place to be confirmed, 16.30</p>
14 May (SAT)	<ul style="list-style-type: none"> Erasmus Mundus: scholarships for master’s studies 	<p>Live stream on Instagram, 15.00</p>



ERASMUS+ WEEK IN UZBEKISTAN

“Information session “Erasmus+ opportunities for institutional cooperation”

12 May 2022

Tashkent State Pedagogical University

Organisers: National Erasmus+ Office (NEO), Tashkent State Pedagogical University, Erasmus+ CBHE projects team

Participants: academic and administrative staff, doctorates and students and Representatives of higher educational institutions (HEIs) from Tashkent



ERASMUS+ WEEK IN UZBEKISTAN

Information session
“Erasmus+ opportunities for institutional cooperation”

Date and time: Thursday, 12 May 2022, 15.00

Venue: Tashkent State Pedagogical University, main building, 1st floor, 107 lecture room

Organisers: National Erasmus+ Office (NEO), Tashkent State Pedagogical University, Erasmus+ CBHE projects team

Participants: academic and administrative staff, doctorates and students and Representatives of higher educational institutions (HEIs) from Tashkent

14:45-15:00	Registration
15:00-15:10	Opening by TSPU administration
15:10-15:40	Erasmus+ opportunities for Uzbekistan higher educational institutions: Capacity Building in Higher Education, opportunities for new comers, international credit mobility, Jean Monnet <i>Gulshoda Karlibayeva, NEO project manager</i> Q&A
15:40-15:55	Implementation of CBHE “SPACECOM: New study program in space systems and communications engineering” project in Uzbekistan <i>Khabibullo Nosirov, Tashkent University of Information Technologies</i> Q&A
15:55-16:10	Impact of the “NICOPA: New and Innovative Courses for Precision Agriculture” project <i>Ilkhomjon Abdullayev, National University of Uzbekistan</i> Q&A
16:10-16:25	The importance of international experience through Erasmus+ mobility projects <i>Zebo Babakhanova, Tashkent Chemical-Technological Institute</i> Q&A
16:25-16:40	Q&A Discussion

ERASMUS+ WEEK 2022

DATE	EVENT	VENUE/TIME
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14 May (SAT)	<ul style="list-style-type: none"> Erasmus Mundus: scholarships for master’s studies 	<p>Live stream on Instagram, 15.00</p>



XVI conference “DESIGN OF GEOSPATIAL ECOSYSTEMS - GISCA 2022”

Conference
23 – 24 May 2022
Tashkent Institute of Irrigation and Agricultural Mechanization Engineers

In the conference participated organizations such as: ACA*GIScience, Eurasia-Pacific Uninet, Trimble, Vienna University, University of Salzburg, Eberswalde University for Sustainable Development, Germany, Ghent University, Belgium, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, Hongkong Baptist University, Southwest University of Science and Technology, Shaanxi Normal University, China, Xinjiang Normal University, China, Qufu Normal University, Rizhao, China, Wuhan University, China, Al-Farabi KazNU, S.Seifullin Kazakh Agro Technical University, Shokan Ualikhanov Kokshetau State University, North Kazakhstan State University Named After Manash Kozybayev, Institute of Geography and Water Security Committee of Science of the Ministry of Science and Education of the Republic of Kazakhstan, Institute of Water Problems and Hydro-energy Problems of the Kyrgyz Republic Academy of Sciences, Kyrgyz State University of Construction, Transportation and Architecture, Institute of water problems, hydropower and ecology of the National Academy of Sciences of Tajikistan, State Scientific Institution "Glacier Research Center" National Academy of Sciences of Tajikistan, Tajik Technical University, Tajik Agrarian University, Ulugh Beg Astronomical Institute of the Uzbekistan Academy of Sciences, National University of Uzbekistan, Tashkent State Technical University, Tashkent Institute of Irrigation and Agricultural Mechanization Engineers

<https://nuu.uz/en/geofazoviy-ekotizimlarni-loyihalash-mavzusida-xvi-markaziy-osiyoda-g%D0%B0t-gisca-2022-va-gi2022-qo%CA%BCshma-an%CA%BCanaviy-xalqaro-ilmiy-konferentsiyasi-bo%CA%BClib-o%CA%BCtdi/>





Training in VCR

Training on “Introduction to GIS and Spatial Analysis

12-25 July 2022

National University of Uzbekistan

The classes covered geoinformatics and Spatial Analysis methods in detail using interactive e-learning methods.

At the end of the training, the students presented the projects which they had prepared based on acquired knowledge, and were awarded with certificates..





Summer school

Through research toward practical application of precision agriculture

25-29 July 2022

Czech University of Life Sciences Prague

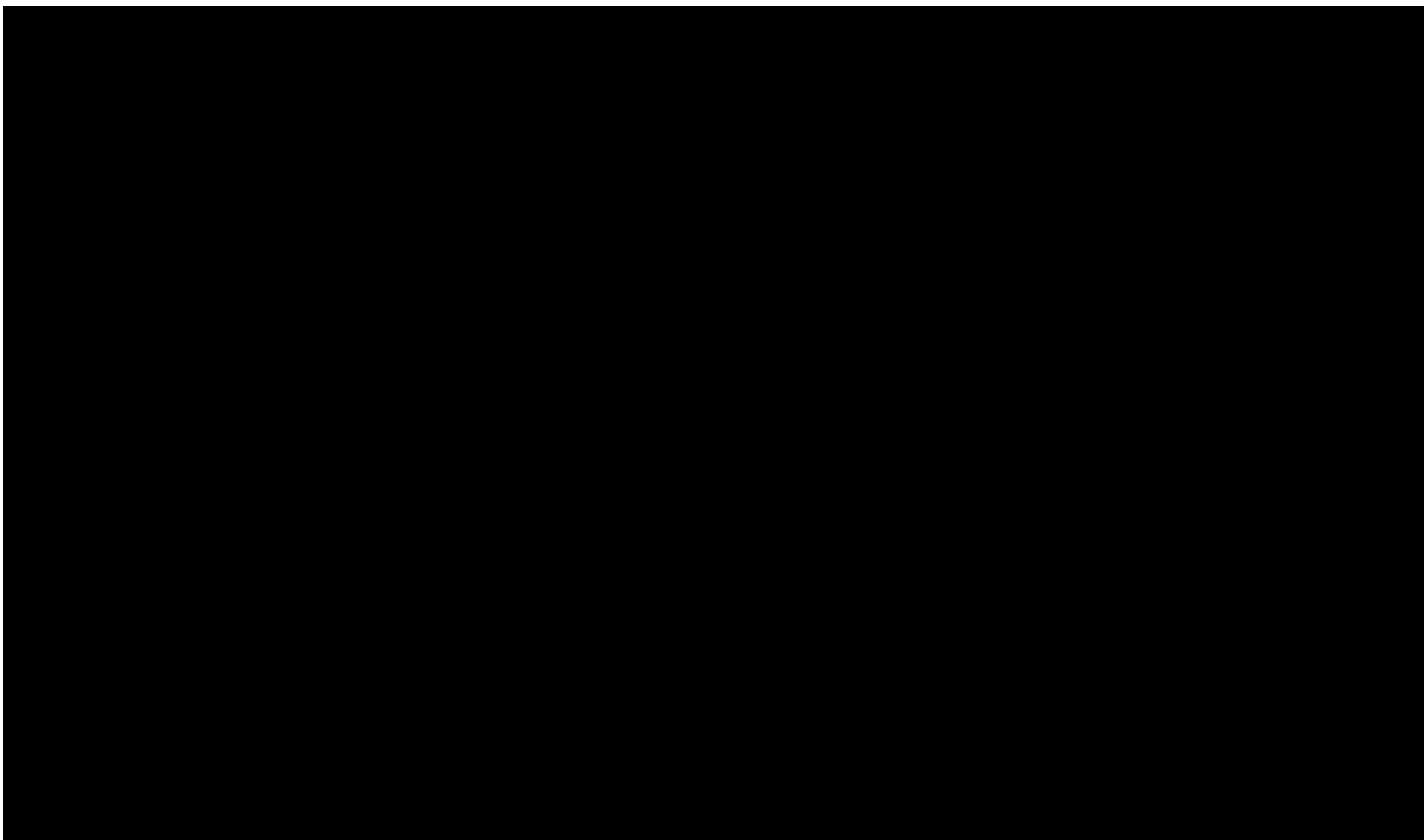
Introductory lectures:

- 1) New trends in Agricultural Machinery
- 2) Monitoring of crop production using satellite sensing
- 3) Soil infiltration properties





Dissemination





Dissemination (internet links)

В РУз общее число з... Почта Mail.ru Google Переводчик (5) Nicopa NUU | Face (5) Nicopa NUU | Fa X

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MIRZO ULUG'BEK NOMIDAGI O'ZBEKISTON MILLIY UNIVERSITETI
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1916

Nicopa NUU
@Nicopa.NUU - Не компания

Сообщение

Главная Отзывы Фото Информация Ещё

Нравится

Tender UZ



Information about the project

Information about the project is available on the University website (in English, Uzbek and Russian)

<https://nuu.uz/eng/info/nicopa>

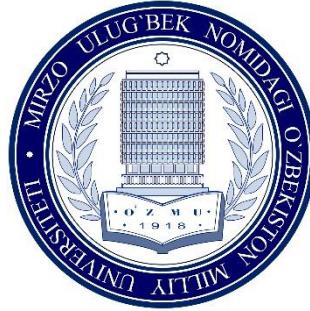
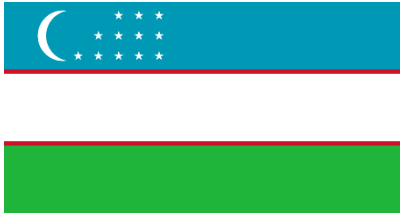
<https://nuu.uz/uzc/info/nicopa>

<https://nuu.uz/rus/info/nicopa>

The screenshot shows the Uzbek version of the NICOPA project page. The header includes navigation links for 'Электрон клубона', 'Маъофий фўтболи тизими', 'УзБ', and 'Махсус имкониятлар'. The main content area features the NICOPA logo and the title 'NICOPA: аниқ қишлоқ хўжалиги учун янги ва инновацион курслар'. Below the title, it specifies the project duration as 3 years (15.11.2018-14.11.2021) and the budget as 999,847 EUR. A sidebar on the right is titled 'Халқаро лойиҳа ва грантлар' and lists the project acronym (NICOPA), UNICAC, DSinGIS, SPACECOM, and the key action 'Key Action 1 - Mobility for learners and staff'. The footer contains a list of navigation links such as 'Барча аёнликлар', 'Воқеалар', 'Эълонлар', 'Конференциялар календары', 'УЎМ илмий журналлари', 'Интерактив хизматлари', 'Қидирув тизими', and 'RSS'.

The screenshot shows the English version of the NICOPA project page. The header includes navigation links for 'Electronic library', 'Distance learning system', 'ENG', and 'Special opportunities'. The main content area features the NICOPA logo and the title 'NICOPA: New and Innovative Courses for Precision Agriculture'. Below the title, it specifies the project duration as 3 years (15.11.2018-14.11.2021) and the budget as 999,847 EUR. A sidebar on the right is titled 'International Projects and Grants' and lists the project acronym (NICOPA), UNICAC, DSinGIS, SPACECOM, and the key action 'Key Action 1 - Mobility for learners and staff'. The footer contains a list of navigation links such as 'All news', 'Events', 'Announcements', 'Calendar of conferences', 'Scientific journals NUU', 'Interactive services', 'Search system', and 'RSS'.

The screenshot shows the Russian version of the NICOPA project page. The header includes navigation links for 'Электронная библиотека', 'Система дистанционного обучения', 'РУС', and 'Специальные возможности'. The main content area features the NICOPA logo and the title 'NICOPA: новые и инновационные курсы для точного земледелия'. Below the title, it specifies the project duration as 3 years (15.11.2018-14.11.2021) and the budget as 999,847 EUR. A sidebar on the right is titled 'Международные проекты и гранты' and lists the project acronym (NICOPA), UNICAC, DSinGIS, SPACECOM, and the key action 'Key Action 1 - Mobility for learners and staff'. The footer contains a list of navigation links such as 'Все новости', 'События', 'Объявления', 'Календарь конференций', 'Научный журнал ИЖЗ', 'Интерактивные услуги', 'Поисковая система', and 'RSS'.



Thank you for you attention!



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