

Report on the dissemination  
activities  
implemented within the 2<sup>nd</sup>  
year of the project

## New and Innovative Courses for Precision Agriculture



TIAME



NICOPA



**TASHKENT INSTITUTE OF IRRIGATION AND AGRICULTURAL  
MECHANIZATION ENGINEERS (TIAME),  
FACULTIES: LAND MANAGEMENT, HYDROMELIORATION, MECHANIZATION**

MR. ILHOM ABDURAHMANOV

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 (2020)



No	Dissemination event	Diss. method	Period
1	Coordination meeting with Uzbek partner universities, TUIT, Tashkent, Uzbekistan	Event-based	March
2	International Earth Day, TIAME, Tashkent, Uzbekistan	Event&web-based	April
3	Annual Republican XIX practical-scientific conference of young scientists, MSc and BSc students on topic "Modern problems of agriculture and water resources", TIAME, Tashkent, Uzbekistan	Event&web-based	May
4	International GIS in Central Asia Conference – GISCA 2020 InterCarto.InterGIS 2020, DSinGIS GI 2020 Conference, TIAME, Tashkent, Uzbekistan	Event&web-based	June
5	Result of Summer School, Czech University of Life Sciences Prague, Czech Republic	Web-based	July
6	Presentation about project and its achievements, seminar for the students, TIAME, Tashkent, Uzbekistan	Event&web-based	September
7	Result of training, Agricultural University of Plovdiv, Bulgaria	Event&web-based	October
8	Erasmus+ Info Day	Event&web-based	October
9	International GIS day, TIAME, Tashkent, Uzbekistan	Event&web-based	November
10	Information about project achievements on Scientific and technical journal "Sustainable agriculture"	Traditional	December
11	Information about project related events, achievements, materials etc. on the web of: - Erasmus+ DSinGIS project ( <a href="http://geoinformatics.uz/dsingis/">http://geoinformatics.uz/dsingis/</a> , <a href="http://dsingis.eu">http://dsingis.eu</a> ); - TIAME ( <a href="http://tiame.uz">http://tiame.uz</a> ); - Social media and channels ( <a href="http://facebook.com">http://facebook.com</a> , <a href="http://telegram.org">http://telegram.org</a> ); - mass media ( <a href="http://kun.uz">http://kun.uz</a> , <a href="http://uza.uz">http://uza.uz</a> , <a href="http://uzbekistan24.uz">http://uzbekistan24.uz</a> , <a href="http://daryo.uz">http://daryo.uz</a> )	Web-based	Regularly

# Meeting at the Obuda University



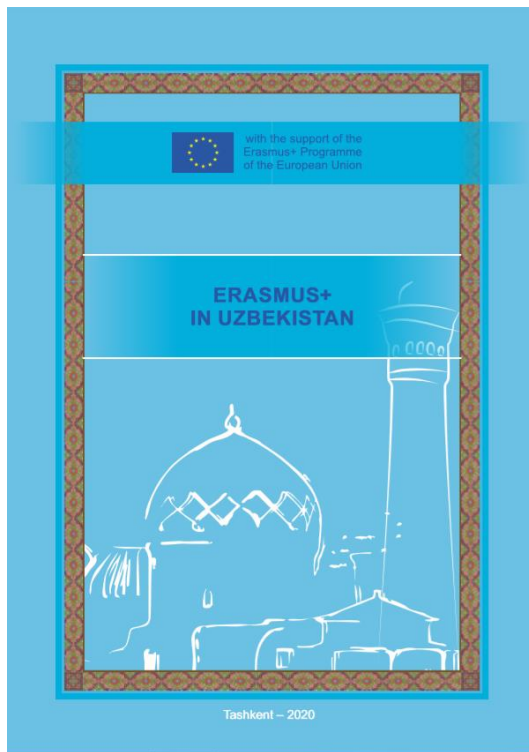
Presentation about the Project NICoPA done by Ilhom Abdurahmanov during the introduction meeting with the staff and students at the Obuda University on February 18, 2020

# UZ Coordination Meeting at TUIT



Coordination meeting with Uzbek partner universities, TUIT, Tashkent, Uzbekistan, 04 March, 2020

- Paper with the title “Project Management, Curriculum and Achievements of the NICoPA project” in the proceedings “Erasmus+ in Uzbekistan”: <http://www.erasmusplus.uz/images/shared/file/ERASMUS+ IN UZB 2020 print.pdf> (page#119)



Then Anvar Nizamov, module leader in Team University, spoke on “Training and development as a part of Human resource management”, and Anvar Shirinov gave a lecture on “Recent changes in labor legislation in Uzbekistan”.

Topics were discussed by speakers and participants of the seminar.

The seminar was organized at a high level and was widely disseminated through social networks and the media (<https://buxdu.uz/index.php/en/activity-en/international-cooperations/active-projects/2757-talent-project-https://youtu.be/n7IW3bRvvVA>).

In conclusion, the project results will serve to satisfy public and civil organizations with qualified HR managers soon. In this regard, local organizations are trying to prepare their HR managers according to the program formulated by the TALENT project team.

## Project Management, Curriculum and Achievements of the NICoPA project

*Arnold Sterenhart<sup>1</sup>, Elena Engorn<sup>1</sup>  
Abdumanap Nostrov<sup>2</sup>, Komil Tashv<sup>2</sup>, Temurbek Kuchkorov<sup>2</sup>, Ilhom  
Abdurahmanov<sup>3</sup>*

<sup>1</sup> Technische Universität Berlin (TUB), Berlin, Germany,

<sup>2</sup>Tashkent University of Information Technologies (TUIT), Tashkent,  
Uzbekistan,

<sup>3</sup>National University of Uzbekistan (NUU), Tashkent, Uzbekistan,

<sup>4</sup>Tashkent Institute of Irrigation and Agricultural Mechanization Engineers,  
Tashkent, Uzbekistan

\*Corresponding author: [ilhom.isakovich@gmail.com](mailto:ilhom.isakovich@gmail.com)

**Abstract:** The aim of the Erasmus+ project “NICoPA: New and Innovative Course for Precision Agriculture” is to modernize curricula in precision agriculture using new technologies such as Geographic Information System (GIS), Big Data and Remote Sensing. Project is addressed to improve the quality of higher education and enhance its relevance for the labor market and society, the level of competences and skills in HEIs by developing new and innovative education programs, support the modernization and internationalization of the HE in precision agriculture in the targeted Universities in Kazakhstan, Uzbekistan and Turkmenistan through innovation of two cycles curricula. The information about the project management, curriculum and output activities done within the project NICoPA are given in this paper.

Based on the obtained skills of NICoPA project and experience of EU universities, the following new BSc and MSc programs have been established and they have started admission of students from the 2020/2021 academic year.:

- Geoinformation systems and technologies, MSc Program, Tashkent university of information technologies named after Muhammad al-Khwarizmi;
- Innovative technologies in Remote Sensing of Land Resources, BSc Program, Tashkent Institute of Irrigation and Agricultural Mechanization Engineers.

Prospective BSc and MSc students will study on modern curriculum which is developed in collaboration with highly experienced European partner universities (Technical University of Berlin, Agricultural University Plovdiv, Czech University of Life Sciences Prague). Specialization modules that are Geoinformation systems, Remote sensing technologies and applications, SENTINEL-1-2-3 imagery processing, Computer vision, Web technologies for geo-portal, geo-services and geo-analytical systems, Precision agriculture basics, Artificial intelligence in geoinformation systems, WebGIS, Digital Photogrammetry, 3D Modelling in GIS, Space Geodesy, Geospatial Data Visualization, Spatial Data Analysis, Decoding Spatial Images and other subjects are included in the curriculum.

According to the statistics of the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan: 19 applicants with a bachelor degree submitted their documents to continue the study in MSc program in Geoinformation systems and technologies, and 3 of them have been accepted to study in this program at TUIT; more than 300 applicants submitted their documents to study in BSc program in Innovative technologies in Remote Sensing of Land Resources, and 29 of them have been accepted to study in this program at TIAME. It is planned opening the new PAL (Precision Agriculture Lab) laboratory and VCR (Virtual Classroom) for BSc and MSc students to study modules and conduct their researches effectively using modern hardware and software tools.

To complete BSc program in Innovative technologies in Remote Sensing of Land Resources students should score 240 ECTS, and to get MSc degree in Geoinformation systems and technologies, they should score 120 ECTS at all. Credits are divided into the three modules that are general (21%), major (48%) and elective (31%) subjects in MSc program.

## References

1. Erasmus+ CBHE Project “DSinGIS: Doctoral Studies in Geoinformation Sciences” (<http://www.dsingis.eu>), <http://www.dsingis.eu/>.
2. Erasmus+ CBHE Project “Environmental Protection In Central Asia (EPICA): Disaster Risk Management With Spatial Methods”, <http://www.epica.eu/>.
3. Erasmus+ CBHE Project “NICoPA: New and Innovative courses for Precision Agriculture”, <http://www.nicopa.eu/>.



# News about the PMB meeting on the web of TIAME



<http://tiame.uz/en/article/16-08-20-1>

The screenshot shows the TIAME website with the following details:

- Header:** TASHKENT INSTITUTE OF IRRIGATION AND AGRICULTURAL MECHANIZATION ENGINEERS. Navigation links: Admission 2020, Virtual tour, News, Adverts, Institut's sites, Sitemap, Feedback. Search bar.
- Left Sidebar:** MAIN PAGE, STRUCTURE, TECHNIKUMS, EDUCATION, STUDENT, MAGISTR, FACULTIES, DEPARTMENTS, CENTER AND DEPARTMENTS, SCIENTIFIC ACTIVITY, WOMEN'S ADVISORY BOARD.
- Article Title:** The next online meeting of the Erasmus + NiCoPA project
- Date:** 18:47 / 16.08.2020 1055
- Text:** On August 10, the Zoom platform hosted the next online management meeting of the Erasmus + project "NiCoPA: New and Innovative Courses for Clear (Coordinated) Agriculture". The meeting was attended by partners of the project in Germany, the Czech Republic, Bulgaria, Kazakhstan, and Uzbekistan (TIAME, UZNU, TUIT), as well as an external reviewer of the project, expert Dr. Andrei Girenko.
- Image:** A Zoom meeting screenshot showing participants: Thom Abdur... kumhala, Sara Kitaibek, Anastasiya Ta...

The screenshot shows the TIAME website with the following details:

- Header:** TASHKENT INSTITUTE OF IRRIGATION AND AGRICULTURAL MECHANIZATION ENGINEERS. Navigation links: Admission 2020, Virtual tour, News, Adverts, Institut's sites, Sitemap, Feedback. Search bar.
- Left Sidebar:** MAIN PAGE, STRUCTURE, TECHNIKUMS, EDUCATION, STUDENT, MAGISTR, FACULTIES, DEPARTMENTS, CENTER AND DEPARTMENTS, SCIENTIFIC ACTIVITY, WOMEN'S ADVISORY BOARD.
- Article Title:** The next online meeting of the Erasmus + NiCoPA project
- Date:** 18:47 / 16.08.2020 1055
- Text:** On August 10, the Zoom platform hosted the next online management meeting of the Erasmus + project "NiCoPA: New and Innovative Courses for Clear (Coordinated) Agriculture". The meeting was attended by partners of the project in Germany, the Czech Republic, Bulgaria, Kazakhstan, and Uzbekistan (TIAME, UZNU, TUIT), as well as an external reviewer of the project, expert Dr. Andrei Girenko.
- Image:** A Zoom meeting screenshot showing participants: Thom Abdur... kumhala, Sara Kitaibek, Anastasiya Ta...

# GISCA2020 International Conference



## ‘GIS IN CENTRAL ASIA’ CONFERENCE – GISCA 2020, “Applied Geoinformatics for Sustainable Development”, Online, June 1-2, 2020

### PRESS RELEASE

‘GIS IN CENTRAL ASIA’ CONFERENCE – GISCA 2020  
“Applied Geoinformatics for Sustainable Development”  
Online, June 1-2, 2020

### GISCA Conferences

Geographic Information Science and Technologies have evolved into a key instrument for managing our societies, environments and infrastructures, as well as individuals’ daily lives. Continued success of this development depends on cooperation across disciplines, open information policies and a highly educated workforce.

The GISCA series of conferences aims at building a Central Asian network of GIS professionals supporting the sustained development of this region into an environmentally friendly, secure and prosperous society. It serves as a platform for communication, collaboration and learning in Geographic Information Science, GIS and related sciences and technologies. GISCA was launched by the Austria-Central Asia Centre for GIScience in 2005.

The main objectives of this English language conference are to bring together geospatially oriented academics, researchers and practitioners in the Central Asian countries and encourage international cooperation and knowledge exchange in GIS education.

### GISCA 2020

In 2020, GISCA is focused on the theme “Applied Geoinformatics for Sustainable Development”. Geographic Information Science as a conceptual foundation, Geoinformatics as the methodology and GIS as software technologies are powerful instruments for linking information across different sources by location. This is exactly what is needed to successfully manage our environments and natural resources, our economies and ultimately our societies.

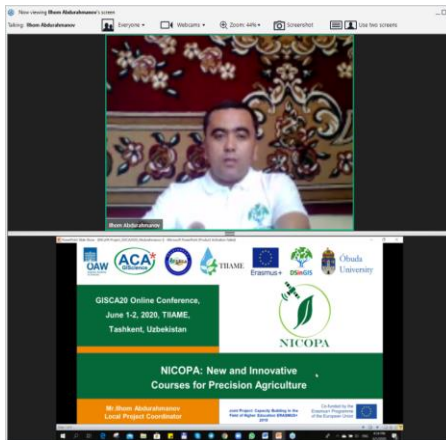
GISCA 2020 is being organized by the Austria-Central Asia Centre for GIScience (ACA\*GIScience) jointly with the Erasmus+ DSinGIS project led by the Alba Regia Technical Faculty, Óbuda University, Hungary and the Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME).

GISCA 2020 is supported by Trimble International, GeoTwo and the Austrian Academy of Sciences. The conference originally was planned to be held in Tashkent, Uzbekistan, but due to current circumstances has been scheduled entirely online as a virtual conference on June 1-2, 2020.

The GISCA conference series and its publications are managed by ACA\*GIScience supported by Eurasia-Pacific Uninet and the Austrian Academy of Sciences’ Commission for GIScience.

### Key topics of the GISCA 2020

- Key themes** (additional themes and sessions are welcome) of the conference are:
- GIS for regional Sustainable development



- Development of Spatial Data Infrastructure
- GIS for management in the field of environmental protection
- GIS for the prevention and elimination of emergency situations
- GIS for water resources management
- GIS in agriculture
- New trends and technologies in geodesy, cadastre and land management
- Professional and farther education in the field of geoinformatics
- GIS in Hydrotechnical Construction and Melioration
- GIS in Mechanization and Automatization of Agriculture and Water Resources.

### Participants

**Participants:** Erasmus+ DSinGIS and NiCoPA Project Partners (staff and students), BSc, MSc and PhD students in GIS related specialities, GIS related organisations and companies.

### Organizers

- Austria-Central Asia Centre for GIScience (ACA\*GIScience);
- Erasmus+ DSinGIS project;
- Universität Salzburg, Austria;
- Alba Regia Technical Faculty, Óbuda University, Hungary;
- Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME).

### Contacts

**Contact to TIAME – Local organizers (Uzbekistan)**

Conference secretary: **Mr. Ilhom Abdurahmanov**, [gisca2020@aca-gis-science.org](mailto:gisca2020@aca-gis-science.org)

Tel.: +998712371909, Fax: +998712373879

Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME)

Kory Niyoziy Str. 39, Tashkent 100000, UZBEKISTAN

**Contact to ACA\*GIScience (Kyrgyzstan):**

**Dr. Akylbek Chymyrov**, [akylbek.chymyrov@aca-gis-science.org](mailto:akylbek.chymyrov@aca-gis-science.org)

Tel.: +996-312-545602, Fax: +996-312-545136

Kyrgyz State University of Construction, Transport and Architecture (KSUCTA)

Maldybaev Str. 34 “b”, Bishkek 720020, Kyrgyzstan

**Contact to GISCA coordinator (Austria):**

**Academician Prof. Josef Strobl**, [Josef.Strobl@sbg.ac.at](mailto:Josef.Strobl@sbg.ac.at)

Department of Geoinformatics, University of Salzburg &  
GIScience Commission of the Austrian Academy of Sciences

# IX International Scientific and Practical Conference



## IX annual International Scientific and Practical Conference, "Forest ecosystems in the conditions of climate change", Online, September 15-16, 2020

### PRESS RELEASE

IX annual International Scientific and Practical Conference

"Forest ecosystems in the conditions of climate change"

Online, September 15-16, 2020

### About the Conference

Volga State University of Technology is organizing the IX annual Scientific and Practical Conference, which will be held remotely on the Zoom platform. During the event, topical issues of scientific research and practice, monitoring and remote assessment of forest management, international projects and technologies in the field of forest ecosystems in a changing climate will be discussed.

The conference will bring researchers to address the issues of reforestation, monitoring and remote sensing of forest management, to explore and discuss opportunities and strengths related to forest ecosystems in the conditions of climate change. Several individual sessions of the event will be informed by several keynote speakers with extensive expertise in the field. Contributions are welcome on any aspect of modern forest science, including focused empirical, theoretical and practical contributions to forest management in the conditions of climate change. The conference is held in the framework of two international projects [SUFORGIS](#) (Erasmus+) and [GEMOECO](#) (BRICS).

### Key topics of the Conference

Themes of presentations:

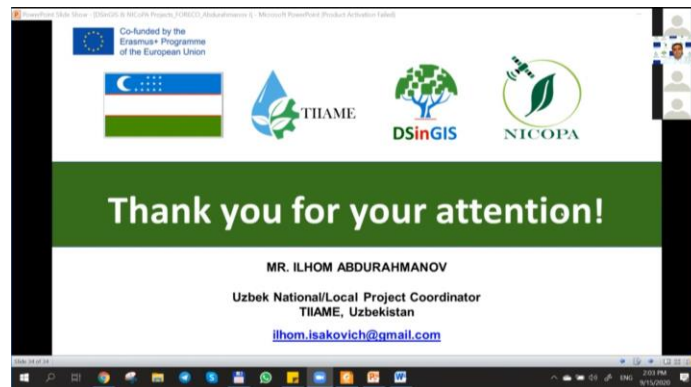
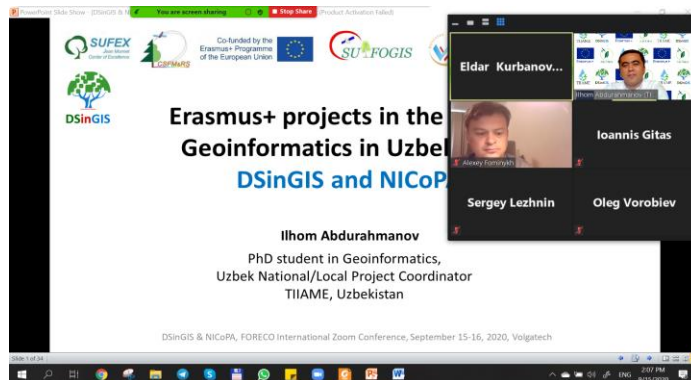
1. Biological productivity of forests.
2. Assessment of ecosystem disturbances.
3. Technologies for artificial reforestation.
4. The ecological role of forests.
5. Forest inventory and planning.
6. GIS and remote monitoring of ecosystems.
7. Forest conservation and protection.

### Conference Publication

The conference proceedings are considered for publication in the annual Compendium ["Forest Ecosystems under Climate Change: Biological Productivity and Remote Monitoring"](#). Manuscripts are also welcomed for submissions to the Special Issue of Journal of Remote Sensing ["Remote Sensing of Burnt Area Monitoring"](#).

### Organizers

Jean Monnet [Center of Excellence](#), [Center for Sustainable Forest Management and Remote Sensing](#).



### INTERNATIONAL ZOOM CONFERENCE

"Forest ecosystems in the conditions of climate change: biological productivity and remote sensing"

15-16 September 2020

### Programme

#### 15 September

8:00 – 9:40 Plenary session 1: Official opening of the conference, Welcome from Volgatch, CET (Central European Time) Please use this link to schedule your time: <https://time.is/CET>

**Chair:** Abraham Thomas (Council for Geoscience, South Africa)

- 7:50 – 8:00 Opening and welcome.
- 8:00 – 8:25 Extraction and modeling of main trunk of individual *Pinus densata* based on point cloud data Jiangping Zhang, Jinhong Wang, Guangjie Liu (Yunnan Normal University, China)
- 8:25 – 8:50 Regional Scale Soil Organic Matter Estimation Based on a Geographic Detector Model using Landsat Data, Pingtan Island, Fujian, China Junlan Fang, Xiaomei Li, Jingming Sha, Jiali Shang, Zhaofeng Dong, Yung-Chih Su, Na Jie, Yun Wu (Fujian Normal University)
- 8:50 – 9:15 Mapping of land use / land cover of KOSH region for the years 2019 & 2020 using Sentinel-2 data Abraham Thomas (Council for Geoscience, South Africa)
- 9:15 – 9:40 Estimation of Land surface temperature and drought indices for the KOSH region during summer and spring seasons of year 2019 Nobuyoyu Datamashi, Abraham Thomas (Council for Geoscience, South Africa)
- 9:40 – 10:00 Break
- 10:00 – 12:30 Plenary session 2.
- Chair:** Eldar Kurbanov (Volgatch)
- 10:00 – 10:25 Forest Phenological Trends in the Middle and High Latitude of the Northern Hemisphere Using GIMMS, NDVI3g, Phenology Data Huang Jingfeng, Zhejiang University (China)
- 10:25 – 10:50 Ecological Vulnerability Assessment Based on SRP Model – Taking Pingtan in Fujian Province as an Example Jingming Sha (China)
- 10:50 – 11:15 On the fly land cover mapping using machine learning with multispectral satellite imagery on Google Earth Engine Stefanos Papathanassiou, AUTH (Greece)
- 11:15 – 11:40 Combining remote sensing and national forest inventory data for large scale forest structure assessment Christof Pacher, BOKU (Austria)
- 11:40 – 12:05 Erasmus+ projects in the field of Geoinformatics in Uzbekistan: DSinGIS and NICoPA Ilhom Abdurahmanov, TIAME (Uzbekistan)
- 12:05 – 12:30 Questions, discussion



# Online field monitoring meeting with NEO UZ



## Online field monitoring meeting with NEO UZ, October 9, 2020



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



ERASMUS+ Capacity Building in the Field of Higher Education (CBHE)

### NICOPA PROJECT

«New and Innovative Courses for Precision Agriculture» (NICOPA)  
597985-EPP-1-2018-1-KZ-EPPKA2-CBHE-JP

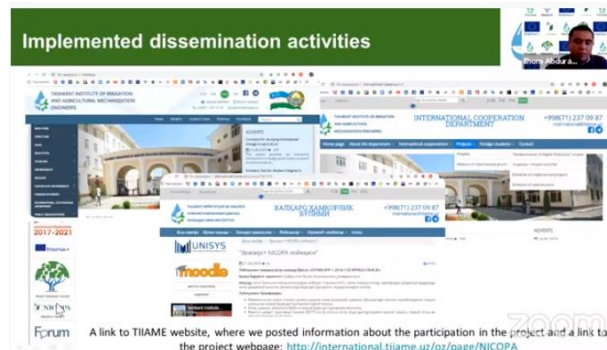
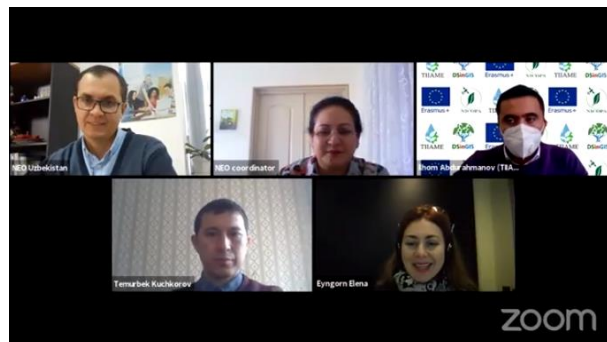
Advisory monitoring meeting (Online)

9 October 2020 at 14.30 (Tashkent time)

Online communication details: <https://us02web.zoom.us/j/81960206603>

### MEETING AGENDA

14:30-14:40	Opening speech	Raima Shirinova, Vice-rector for International Relations of NUU
14:40-14:50	Objectives of the Advisory Monitoring visit	Aziza Abdurakhmanova, NEO coordinator Kudratkhon Bakhadirov, NEO expert
14:50-15:20	Activities performed of NICOPA project in TIAME	Ilhom Abdurahmanov, Institutional coordinator of NICOPA project
15:20-15:50	Activities performed of NICOPA project in TUIT	Temurbek Kuchkorov, Institutional coordinator of NICOPA project
15:50-16:20	Activities performed of NICOPA project in NUU and, in general, in Uzbekistan	Abdumanap Nasirov, National coordinator of NICOPA project
16:20-16:35	On the progress of work on the NICOPA project in partner universities of Uzbekistan	Anastasiya Tatarintseva - Project Manager, EXOLAUNCH GmbH, Berlin, Germany, Sara Kitaibekova - Project coordinator, S. Seifullin KATU, Kazakhstan
16:35-17:00	Discussion	All participants
17:00-17:10	Conclusions and preliminary recommendations of the monitoring	Aziza Abdurakhmanova, NEO coordinator Kudratkhon Bakhadirov, NEO expert



A link to TIAME website, where we posted information about the participation in the project and a link to the project webpage: <http://international.tiame.us/ot/page/NICOPA>



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



ERASMUS+ Capacity Building in the Field of Higher Education (CBHE)

### NICOPA PROJECT

«New and Innovative Courses for Precision Agriculture» (NICOPA)  
597985-EPP-1-2018-1-KZ-EPPKA2-CBHE-JP

Advisory monitoring meeting (Online)  
9 October 2020 at 14.30 (Tashkent time)

### List of participants

Organisation	Name, surname, position, email of authorized representatives
National University of Uzbekistan	Raima Shirinova, Vice-rector for International Relations of NUU <a href="mailto:r.shirinova@nuu.uz">r.shirinova@nuu.uz</a> Abdumanap Nasirov, Associate professor, National coordinator, <a href="mailto:anasirov1962@mail.ru">anasirov1962@mail.ru</a> Ilkhomjon Abdullaev, Senior Lecturer, Local Manager, <a href="mailto:ilkhomjon.abdullaev@gmail.com">ilkhomjon.abdullaev@gmail.com</a> Pavel Parchinskiy, Associate professor, project member, <a href="mailto:pavelphys@mail.ru">pavelphys@mail.ru</a> Azizjon Ruziev, Senior Lecturer, project member, <a href="mailto:azizjon.ruziev34@gmail.com">azizjon.ruziev34@gmail.com</a> Andrey Nebeay, Blogger of the project, <a href="mailto:nebeay-andrey@yandex.ru">nebeay-andrey@yandex.ru</a>
Tashkent University of Information Technologies	Temurbek Kuchkorov, Associate professor, Local coordinator <a href="mailto:timanet4u@gmail.com">timanet4u@gmail.com</a> Zamira Allamuratova, Lecturer, project member, <a href="mailto:zamira74@mail.ru">zamira74@mail.ru</a> Mexrididdin Raximov, Associate professor, project member, <a href="mailto:rahimov022@gmail.com">rahimov022@gmail.com</a> Nozima Atadjanova, Teacher assistant, project member, <a href="mailto:nozimasatadjanova@gmail.com">nozimasatadjanova@gmail.com</a>
Tashkent Institute of Irrigation and Agricultural Mechanization Engineers	Ilhom Abdurahmanov, Researcher, Local Coordinator, <a href="mailto:ilhom.isakovich@gmail.com">ilhom.isakovich@gmail.com</a> Mamanbek Reimov, Researcher, Local Manager, <a href="mailto:maman1990@mail.ru">maman1990@mail.ru</a> Zolhid Mamatkulov, Researcher, project member, <a href="mailto:zolhid2095@gmail.com">zolhid2095@gmail.com</a> Ilhomjon Aslanov, Assistant Professor, project member, <a href="mailto:ilhomaslanov@gmail.com">ilhomaslanov@gmail.com</a>
EXOLAUNCH GmbH	Anastasiya Tatarintseva, Project Manager <a href="mailto:anastasiya@exolaunch.com">anastasiya@exolaunch.com</a>
S. Seifullin KATU, Kazakhstan	Sara Kitaibekova, Project coordinator, <a href="mailto:saraorazbek@gmail.ru">saraorazbek@gmail.ru</a>
National Erasmus+ Office (NEO) in Uzbekistan	Aziza Abdurakhmanova, NEO coordinator, <a href="mailto:coordinator@erasmusplus.uz">coordinator@erasmusplus.uz</a> Kudratkhon Bakhadirov, NEO expert, <a href="mailto:expert@erasmusplus.uz">expert@erasmusplus.uz</a> Gulshoda Karlibaeva, NEO project manager, <a href="mailto:neo@erasmusplus.uz">neo@erasmusplus.uz</a>

# News about the Field monitoring meeting by NEO



<https://telegra.ph/Erasmus-project-New-and-Innovative-Courses-for-Precision-Agriculture-NICOPA-2018-2021-10-09>

## Erasmus+ project New and Innovative Courses for Precision Agriculture (NICOPA) (2018-2021)

October 09, 2020

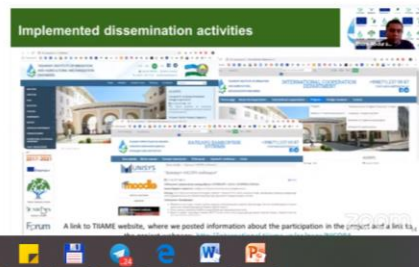
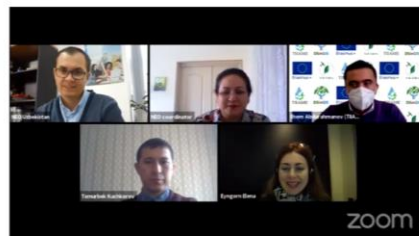
The online field monitoring meeting with the project teams of Erasmus+ CBHE NICOPA took place on 9 October 2020. The regional project involving universities of Germany, Bulgaria, Czech Republic, Kazakhstan, Turkmenistan and Uzbekistan is aimed on modernization and internationalisation of BA/MSc studies in precision agriculture using new technologies including besides machines Geographic Information System (GIS), big data and remote sensing in targeted universities in Central Asian countries through innovative two cycles curricula in line with the Bologna and principles, market demand and best practice..

The project teams of National University of Uzbekistan, Tashkent University of Information Technologies, Tashkent Institute of Irrigation and Agricultural Mechanization Engineers have already developed majority foreseen courses in precision agriculture together with EU partners. The project website <https://www.nicopa.eu/> provides detailed information about the project activities. .

The information about the project is also available in the [Erasmus+ Project Results Platform](#).

innovative-Courses-for-Precision-Agriculture-NICOPA-2018-2021-10-09

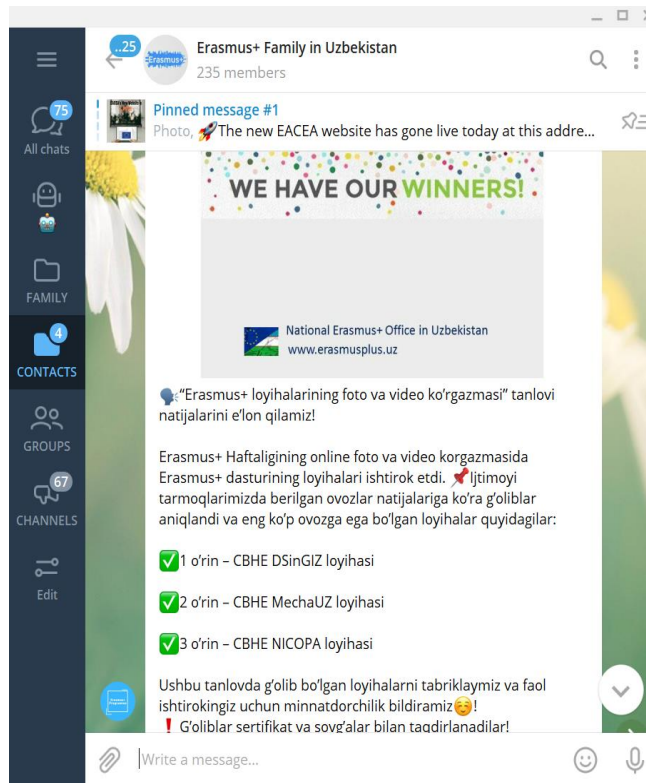
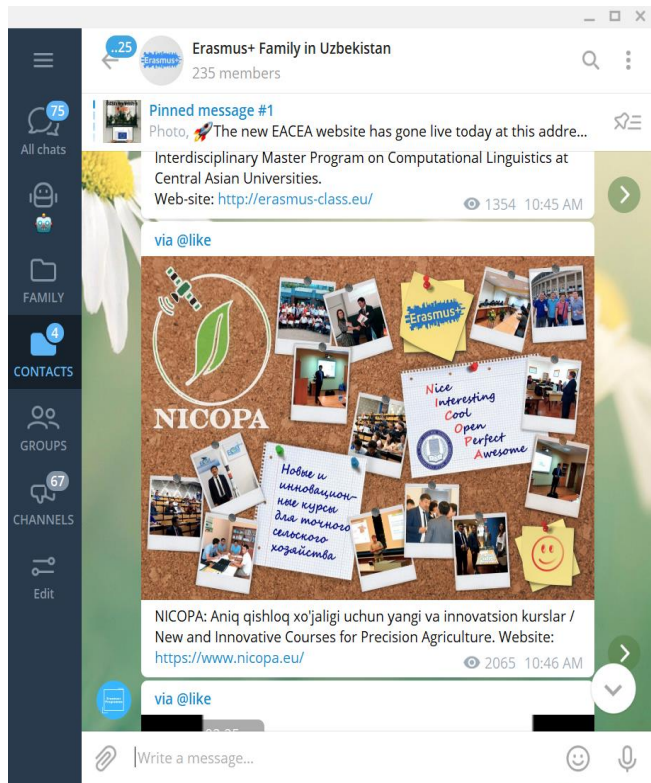
The information about the project is also available in the [Erasmus+ Project Results Platform](#).



# Erasmus+ Info Week 2020



## Erasmus+ Info Week, online, on Telegram group, October 12-17, 2020





# NICoPA+ Agreements



## NICoPA+ Agreements

✓ 6 (six) NICoPA+ agreements have been signed so far with the following non-academic stakeholders:

- “Azimut GEO” LLC;
  - “GEO EXPERTS” LLC;
  - “GRAND-PERFECT-PROJECT” LLC;
  - “Development Experts” LLC;
  - “Innovations and Scientific Research Cluster”;
  - “GEOINFORM ENGINEERS GROUP” LLC.
- 4 (four) planned to be signed.

<p>СОГЛАШЕНИЕ "NICOPA University-Enterprise"</p> <p>№ <u>2020-02/42</u></p> <p><u>Соглашение</u> <u>"NICOPA University – Enterprise"</u></p> <p>“Новые и инновационные программы по точному сельскому хозяйству”</p> <p><u>Стороны Соглашения</u></p> <p>Настоящее Соглашение заключено между Университетом - участником консорциума проекта “NICOPA”, именуемым в дальнейшем “Университет”, с одной стороны</p> <p>Ташкентский институт инженеров ирригации и механизации сельского хозяйства (ТИИМИСХ), Республика Узбекистан, 100000, г. Ташкент, ул. Кори Нивезий 39</p> <p>и неакадемической организацией</p> <p>“Кластер инноваций и научных исследований по устойчивому развитию”, Республика Узбекистан, 100000, г. Ташкент, ул. Кори Нивезий 39</p>	<p>Cooperation Agreement “NICOPA University – Enterprise”</p> <p><u>Cooperation Agreement</u> <u>“NICOPA University – Enterprise”</u></p> <p>“New and Innovative Courses for Precision Agriculture”</p> <p><u>Parties to the Agreement</u></p> <p>This is a cooperation Agreement among the consortium members of “NICOPA”, hereinafter referred to as “University” on the one hand</p> <p>Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME), str. Kary Niyazi, 39, Tashkent 100000, Uzbekistan</p> <p>and a non-academic organization</p> <p>“Innovations and Scientific Research Cluster”, str. Kori Niyazi, 39, Tashkent 100000, Republic of Uzbekistan</p>	<p>Cooperation Agreement “NICOPA University – Enterprise”</p> <p><u>Cooperation Agreement</u> <u>“NICOPA University – Enterprise”</u></p> <p>“New and Innovative Courses for Precision Agriculture”</p> <p><u>Parties to the Agreement</u></p> <p>This is a cooperation Agreement among the consortium members of “NICOPA”, hereinafter referred to as “University” on the one hand</p> <p>Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME), Kary Niyazi, 39, Tashkent 100000, Uzbekistan</p> <p>and a non-academic organization</p> <p>“Development Experts” LLC, Yunusobod-12, 11/27, Tashkent 100000, Uzbekistan</p>	<p>Cooperation Agreement “NICOPA University – Enterprise”</p> <p><u>Cooperation Agreement</u> <u>“NICOPA University – Enterprise”</u></p> <p>“New and Innovative Courses for Precision Agriculture”</p> <p><u>Parties to the Agreement</u></p> <p>This is a cooperation Agreement among the consortium members of “NICOPA”, hereinafter referred to as “University” on the one hand</p> <p>Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME), Kary Niyazi, 39, Tashkent 100000, Uzbekistan</p> <p>and a non-academic organization</p> <p>“GEOINFORM ENGINEERS GROUP” LLC, Yashnabod, Street Parkent, 6, Tashkent, Uzbekistan</p>
<p>СОГЛАШЕНИЕ "NICOPA University-Enterprise"</p> <p>№ <u>2019-02/42</u></p> <p><u>Соглашение</u> <u>"NICOPA University – Enterprise"</u></p> <p>“Новые и инновационные программы по точному сельскому хозяйству”</p> <p><u>Стороны Соглашения</u></p> <p>Настоящее Соглашение заключено между Университетом - участником консорциума проекта “NICOPA”, именуемым в дальнейшем “Университет”, с одной стороны</p> <p>Ташкентский институт инженеров ирригации и механизации сельского хозяйства (ТИИМИСХ), Республика Узбекистан, 100000, г. Ташкент, ул. Кори Нивезий 39</p> <p>и неакадемической организацией</p> <p>“GEO EXPERTS” ООО, Республика Узбекистан, 100000, г. Ташкент, ул. Шарк, квартал-1, 1/3</p>	<p>Cooperation Agreement “NICOPA University – Enterprise”</p> <p><u>Cooperation Agreement</u> <u>“NICOPA University – Enterprise”</u></p> <p>“New and Innovative Courses for Precision Agriculture”</p> <p><u>Parties to the Agreement</u></p> <p>This is a cooperation Agreement among the consortium members of “NICOPA”, hereinafter referred to as “University” on the one hand</p> <p>Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME), str. Kary Niyazi, 39, Tashkent 100000, Uzbekistan</p> <p>and a non-academic organization</p> <p>“GEO EXPERTS” LLC, str. Shark, block-1, 1/3, Tashkent 100000, Uzbekistan</p>	<p>Cooperation Agreement “NICOPA University – Enterprise”</p> <p><u>Cooperation Agreement</u> <u>“NICOPA University – Enterprise”</u></p> <p>“New and Innovative Courses for Precision Agriculture”</p> <p><u>Parties to the Agreement</u></p> <p>This is a cooperation Agreement among the consortium members of “NICOPA”, hereinafter referred to as “University” on the one hand</p> <p>Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME), str. Kary Niyazi, 39, Tashkent 100000, Uzbekistan</p> <p>and a non-academic organization</p> <p>“Azimut GEO” LLC, str. 2-Darkhortepe, 7, Tashkent 100000, Uzbekistan</p>	<p>Cooperation Agreement “NICOPA University – Enterprise”</p> <p><u>Cooperation Agreement</u> <u>“NICOPA University – Enterprise”</u></p> <p>“New and Innovative Courses for Precision Agriculture”</p> <p><u>Parties to the Agreement</u></p> <p>This is a cooperation Agreement among the consortium members of “NICOPA”, hereinafter referred to as “University” on the one hand</p> <p>Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (TIAME), str. Kary Niyazi, 39, Tashkent 100000, Uzbekistan</p> <p>and a non-academic organization</p> <p>“GRAND-PERFECT-PROJECT” LLC, str. Farnux, 4/22, Tashkent 100000, Uzbekistan</p>





# Thank you for you attention!