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AGROPATH Erasmus+

AGROPATH PROJECT JOINT WORKSHOP

"Modern Obligatory Skills and Knowledge in Geomatics and Precision Agriculture"

Grant Agreement: 101238034
Funding Agency: European Education and Culture Executive Agency (EACEA)
Programme: Erasmus+ International Capacity Building

MEETING OVERVIEW

Date: October 22, 2026

Host partner: Faculty of Land Management, National University of Life and Environmental Sciences of Ukraine

Address: Vasylkivska Street 17, Kyiv, 03040, Ukraine

Venue of the meeting: Block of study nr. 17, the 2nd floor, 234 Room

Form of meeting: Online (Zoom)

Link: https://nubip-edu-ua.zoom.us/j/82892356337?pwd=oaM4gOGkPkCvMdqfP4qxk9IiLJTtY8.1

ID: 828 9235 6337; Password: 081745

MEETING SUMMARY

The Joint Workshop "Modern Obligatory Skills and Knowledge in Geomatics and Precision Agriculture" (Event T5.4) is organised within Work Package 5 of the AGROPATH project to promote innovative teaching and evaluation methods in higher education and to strengthen cooperation among partner universities in the field of geomatics and precision agriculture.

The workshop will bring together academic staff, WP leaders, curriculum developers, and project partners to discuss the knowledge, practical skills, and digital competencies that should become essential learning outcomes for future specialists in geomatics and precision agriculture. Particular attention will be given to the integration of modern geospatial technologies, GNSS, UAVs, remote sensing, GIS, artificial intelligence, and data-driven decision-making into university education.

During the meeting, partners will exchange experience on innovative pedagogical approaches, including problem-based learning, challenge-based learning, digital laboratories, field-oriented practical training, competency-based assessment, and the use of micro-credentials and digital portfolios. The workshop will provide an interactive platform for identifying best practices and harmonising educational approaches across the consortium.

The expected outcome of the workshop is a shared AGROPATH Competence Framework outlining the modern obligatory skills and knowledge for graduates, together with recommendations for the implementation of innovative teaching and assessment methods within the newly developed and modernised curricula of partner universities.

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DETAILED AGENDA

Date: Thursday, October 22, 2026

Time: 10:00 - 14:00 (Kyiv time)

Host institution: National University of Life and Environmental Sciences of Ukraine (NUBiP of Ukraine)

Workshop objective

To identify the modern obligatory knowledge, practical skills, and digital competencies that should become core learning outcomes for graduates in geomatics and precision agriculture, and to develop common recommendations on innovative teaching and competency-based assessment within the AGROPATH consortium.

Workshop Leader & Moderator: Prof. Taras Ievsiukov (NUBiP of Ukraine)

Time (CET)	Session	Speaker
10:00 - 10:05	**Opening of the Joint Workshop**	**Prof. Taras Ievsiukov** (Moderator, NUBiP of Ukraine)
10:05 - 10:10	Welcome Remarks from the Host University	**Prof. Oksana Tonkha**, Vice-Rector for Scientific Work and Innovation, NUBiP of Ukraine
10:10 - 10:15	Welcome Speech from the Faculty of Land Management	**Assoc. Prof. Oleksandr Shevchenko**, Dean, NUBiP of Ukraine
10:15 – 10:20	Welcome Address & AGROPATH Project Perspective	**Prof. Borys Chetverikov**, Project Coordinator, AGROPATH (LPNU)
10:20 - 10:40	**Keynote:** *Future Skills for AgriTech Professionals: Stakeholders' Vision on Digital Competencies in Precision Agriculture*	**Bohdan Kruhlyk,** Strategic AgriTech Advisor
10:40 - 10:55	*Innovative Teaching Practices in Geospatial Education: Experience of Warsaw University of Technology*	**Prof. Joanna Pluto-Kossakowska** (WUT)

10:55 - 11:10	*Digital Competencies in the New Higher Education Standards: VNAU Case Study of Modernized Educational Programmes*	**Assoc. Prof. Vitalii Yaropud,** Dean of the Faculty of Engineering and Technology (VNAU)
11:10 - 11:25	*Developing GIS, Remote Sensing and Spatial Data Visualization Competencies at NUBiP*	**Assoc. Prof. Antonina Moskalenko** (NUBiP)
11:25 - 11:40	**Coffee Break**	
11:40 - 11:55	*Robotics and Autonomous Systems in Precision Agriculture: Educational Challenges and Opportunities*	**Assoc. Prof. Jurij Rakun** (UM)
11:55 - 12:10	*Remote Sensing and AI Competencies for Precision Agriculture*	**Thomas Alexandridis & Thomas Koutsos** (AUTH)
12:10 - 12:30	Interactive Poll & Discussion: *What are the Top 10 Essential Competencies for a Geomatics Graduate by 2030?*	Moderator: Taras Ievsiukov
12:30 - 13:00	Round Table Discussion: Innovative Teaching Methods and Competency-Based Assessment	All Partners & WP Leaders
13:00 - 13:20	Presentation of Workshop Conclusions and Draft **AGROPATH Competence Framework**	Borys Chetverikov & Taras Ievsiukov
13:20 - 13:35	Discussion and Adoption of the **AGROPATH Declaration on Modern Geomatics Education**	Consortium Partners
13:35 - 13:45	Online Voting & Approval of the Resolution	All Participants
13:45 - 14:00	Closing Remarks and Next Steps	Taras Ievsiukov & Borys Chetverikov