

EVENT PROGRAM

MONDAY, OCTOBER 02, 2023	
11 ¹⁰ -11 ⁴⁰	Ceremonial opening <i>Online Hall</i>
11 ⁴⁰ -13 ⁰⁰	Plenary session <ul style="list-style-type: none"> • [GeoTerrace-2023-048] Dynamics of erosion-accumulation processes in the Upper Dnister river basin systems based on the sediments runoff data O. Pylypovych (Ivan Franko National University of Lviv), Iv. Kovalchuk (National University of Life and Environmental Sciences of Ukraine), *A. Mykhnovych (Ivan Franko National University of Lviv), Ir. Kovalchuk (National University of Life and Environmental Sciences of Ukraine) • [GeoTerrace-2023-033] Enhancing BIM-GIS Integration through InfraWorks: a Comprehensive Application *E. Genovese, S. Calluso, M.P. Manti (Mediterranea University of Reggio Calabria) • [GeoTerrace-2023-017] Geoinformation analysis of mudflow danger and threat assessment for bridge structures within the territory of Transcarpathia T. Chepurna, A. Haydeychuk, *I. Chepurnyi, Y. Fedyk, V. Rushchak (Ivano-Frankivsk National Technical University of Oil and Gas) • [GeoTerrace-2023-010] SAR data spatial resolution enhancement for environmental monitoring tasks *A. Lysenko (State Institution "Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine") <i>Online Hall</i>
13 ⁰⁰ -14 ⁰⁰	Lunch break
14 ⁰⁰ -16 ⁴⁵	Oral session - 3d Modelling & Visualization for Geology & Mining <i>Online Hall</i>
16 ⁴⁵ -17 ⁰⁰	Coffee break
17 ⁰⁰ -19 ³⁰	Oral session - Land Cover Mapping & UAV <i>Online Hall</i>
TUESDAY, OCTOBER 03, 2023	
09 ⁰⁰ -13 ⁰⁰	Oral session - Fixation, Monitoring & Assessment of War Consequences and Post-War Reconstruction <i>Online Hall</i>
13 ⁰⁰ -14 ⁰⁰	Lunch break
14 ⁰⁰ -15 ³⁰	Oral session - Fixation, Monitoring & Assessment of War Consequences and Post-War Reconstruction <i>Online Hall</i>
15 ³⁰ -15 ⁴⁵	Coffee break
15 ⁴⁵ -19 ³⁰	Oral session - Earth Surface Processes & Geodynamics <i>Online Hall</i>
WEDNESDAY, OCTOBER 04, 2023	
09 ⁰⁰ -13 ⁰⁰	Oral session - Engineering Surveying & Deformation Monitoring <i>Online Hall</i>
13 ⁰⁰ -14 ⁰⁰	Lunch break
14 ⁰⁰ -15 ¹⁵	Oral session - Engineering Surveying & Deformation Monitoring <i>Online Hall</i>
15 ¹⁵ -15 ³⁰	Coffee break
15 ³⁰ -19 ¹⁵	Oral session - Remote Sensing & GIS for Spatial Territory Planning <i>Online Hall</i>
THURSDAY, OCTOBER 05, 2023	
09 ⁰⁰ -13 ⁰⁰	Oral session - Remote Sensing & GIS for Environmental Monitoring (Session 1) <i>Online Hall</i>
13 ⁰⁰ -14 ⁰⁰	Lunch break
14 ⁰⁰ -18 ¹⁵	Oral session - Remote Sensing & GIS for Environmental Monitoring (Session 2) <i>Online Hall</i>
18 ¹⁵ -18 ³⁰	Coffee break
18 ³⁰ -19 ⁰⁰	Summarizing the results of Conference <i>Online Hall</i>

In order to take part in the Conference in the online form, you need to register for free in the [Online Hall](#). Upon successful registration, a link to access all Conference events will be sent to the e-mail you provided.

MONDAY, OCTOBER 02, 2023

3d Modelling & Visualization for Geology & Mining (Online Hall) Chair of Section: <i>dr. I. Bubniak</i> Section Secretary: <i>dr. V. Lozynskiy</i>	
14 ⁰⁰ -14 ¹⁵	[GeoTerrace-2023-008] Palaeomagnetism of the Palaeoproterozoic basic rocks of the Volodarsk-Volynskiy massif, Korosten plutonic complex *S. Cherkes, V. Bakhmutov (Institute of Geophysics of the National Academy of Sciences of Ukraine), O. Mytrokhyn (Taras Shevchenko National University of Kyiv), I. Poliachenko, T. Skarboviychuk (Institute of Geophysics of the National Academy of Sciences of Ukraine)
14 ¹⁵ -14 ³⁰	[GeoTerrace-2023-035] Increasing the Accuracy of Magnetometric Measurements in a Wooded Area using GNSS and TPS Methods *R. Kuderavets (Carpathian Branch of Subbotin Institute of Geophysics of the NAS of Ukraine), A. Vivat (Lviv Polytechnic National University), I. Chobotok, A. Havinskyi (Carpathian Branch of Subbotin Institute of Geophysics of the NAS of Ukraine), N. Nazarchuk (Guild of geodesistengineers)
14 ³⁰ -14 ⁴⁵	[GeoTerrace-2023-036] Kamianytsia quarry as a geological training ground for geography students *M. Mykyta, M. Salyuk, *V. Chyniak, V. Leta, A. Zadorozhnyy (Uzhhorod National University)
14 ⁴⁵ -15 ⁰⁰	[GeoTerrace-2023-046] Development of the structure and creation of a database of the Geological Museum of the Taras Shevchenko National University of Kyiv *D. Zhurakovsky, H. Ostapenko, M. Shyts, D. Tovstonog, A. Mienasova (Taras Shevchenko National University of Kyiv)
15 ⁰⁰ -15 ¹⁵	[GeoTerrace-2023-078] Sedimentary Facies and Depositional Model of the Permian Fengcheng Formation in Kexia Area of the Northwest Margin of Junggar Basin F. J. Jia, *Zh. P. Wu (China University of Petroleum (East China))
15 ¹⁵ -15 ³⁰	Coffee break
15 ³⁰ -15 ⁴⁵	[GeoTerrace-2023-080] Extremely low magnetic susceptibility in the Lubny (S5, MIS 13) pedocomplex at the type locality Vyazivok (central Ukrainian loess belt) *D. Hlavatskyi (Institute of Geophysics of the National Academy of Sciences of Ukraine), N. Gerasimenko (Taras Shevchenko National University of Kyiv), V. Bakhmutov, I. Poliachenko, S. Cherkes (Institute of Geophysics of the National Academy of Sciences of Ukraine)
15 ⁴⁵ -16 ⁰⁰	[GeoTerrace-2023-086] The use of geoelectric data to create geological-tectonic basis for hydrogeological block of environmental monitoring system for mining regions (on the example of Southern Kryvbas) *P. Pihulevskiy, (Institute of Geophysics of NAS of Ukraine), O. Tiapkin, S. Yaremii (Dnipro University of Technology)
16 ⁰⁰ -16 ¹⁵	[GeoTerrace-2023-099] Lithology, geochemistry and magnetic susceptibility of the best developed Late Pleistocene loess-palaeosol sequence in north-western Ukraine, Novyi Tik *O. Bonchkovskiy (Taras Shevchenko National University of Kyiv), D. Hlavatskyi (Institute of Geophysics of the National Academy of Sciences of Ukraine), I. Kuraieva (Semenenko Institute of Geochemistry, Mineralogy and Ore Formation of the National Academy of Sciences of Ukraine), I. Kravchuk (Taras Shevchenko National University of Kyiv), A. Bonchkovskiy (Ukrainian Hydrometeorological Institute of the National Academy of Sciences of Ukraine)
16 ¹⁵ -16 ³⁰	[GeoTerrace-2023-106] Geoelectrical inhomogeneities of the Pre-Dobrudzha Depression and Northern Dobrudzha as markers of the Trans-European Suture Zone A. Kushnir, T. Burakhovych (Institute of Geophysics of the National Academy of Sciences of Ukraine), *A. Stolpakov (Taras Shevchenko National University of Kyiv)
16 ³⁰ -16 ⁴⁵	[GeoTerrace-2023-044] Methodological developments for taking into account of layer heterogeneity at the design stage of underground gas storage *N. Dubei (Ivano-Frankivsk National Technical University of Oil and Gas), M. Dubei (Lviv Polytechnic National University)

Land Cover Mapping & UAV (Online Hall) Chair of Section: <i>dr. I. Savchyn</i> Section Secretary: <i>dr. Kh. Maruszah</i>	
17 ⁰⁰ -17 ¹⁵	[GeoTerrace-2023-014] Preliminary accuracy assessment of low-cost UAV data processing results A. Annenkov, *Y. Medvedskiy, R. Demianenko, O. Adamenko, V. Soroka (Kyiv National University of Construction and Architecture)
17 ¹⁵ -17 ³⁰	[GeoTerrace-2023-029] Measurement Accuracy Assessment in 3D Models Derived from Drone Surveys *S. Calluso, G.M. Meduri, V. Gullace, M.P. Manti, E. Genovese (Mediterranea University of Reggio Calabria)

17 ³⁰ -17 ⁴⁵	[GeoTerrace-2023-032] Prototype of Eco-Sustainable Cargo Drone: National and International Regulations and Cost-Benefit Evaluation for Potential Operational Startups *E. Genovese (Mediterranea University of Reggio Calabria), G. Barrile (Libera Università Internazionale degli Studi Sociali Guido Carli), S. Calluso (Mediterranea University of Reggio Calabria)
17 ⁴⁵ -18 ⁰⁰	[GeoTerrace-2023-082] Chemical analysis of landfills leachate in the context of investigation its influence for hydrological ecosystems *O. Azimov (Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine), S. Karmazinenko (Institute of Geography of the National Academy of Sciences of Ukraine), I. Kuraeva (M.P. Semenenko Institute of Geochemistry, Mineralogy and Ore Formation of the National Academy of Sciences of Ukraine)
18 ⁰⁰ -18 ¹⁵	[GeoTerrace-2023-087] Assessment land use dynamics in the border areas of Ukraine and Poland: a case study of Ratne Territorial Community and Lenchna County *M. Semeniuk (Volyn JAS Regional Department), M. Fedoniuk (Lutsk National Technical University), O. Vovk (Lesya Ukrainka Volyn National University), V. Fedoniuk, I. Merlenko (Lutsk National Technical University)
18 ¹⁵ -18 ³⁰	Coffee break
18 ³⁰ -18 ⁴⁵	[GeoTerrace-2023-065] Method for determining the location of a radiation source *V. Burachek, (University of emerging technologies), S. Kryachok (Chernihiv Polytechnic National University), V. Belenok (National Aviation University)
18 ⁴⁵ -19 ⁰⁰	[GeoTerrace-2023-043] High-accuracy integration algorithm for attitude heading reference system *O. Sapehin, O. Pavlovskiy (Igor Sikorsky Kyiv Polytechnic Institute)
19 ⁰⁰ -19 ¹⁵	[GeoTerrace-2023-045] Walking hexapod for demining territory of post war Ukraine. General recommendations I. Platov, O. Pavlovskiy, Yu. Pavlovska, D. Pivtorak, *O. Sapehin (Igor Sikorsky Kyiv Polytechnic Institute)
19 ¹⁵ -19 ³⁰	[GeoTerrace-2023-019] Accuracy of determining the coordinates of location points according to images obtained from UAV V. Hlotov, M. Fys, *A. Hunina (Lviv Polytechnic National University)

TUESDAY, OCTOBER 03, 2023

Fixation, Monitoring & Assessment of War Consequences and Post-War Reconstruction (Online Hall) Chair of Section: dr. I. Zayats Section Secretary: dr. I. Savchyn	
09 ⁰⁰ -09 ¹⁵	[GeoTerrace-2023-027] River bed and floodplain of the Dnipro River within the Kakhovka reservoir: before its construction and after the dam blow up in 2023 *N. Rybak, L. Dubis (Ivan Franko National University of Lviv)
09 ¹⁵ -09 ³⁰	[GeoTerrace-2023-056] Monitoring, assessment and administration of war consequences and post-war reconstruction: remote sensing and GIS economical approaches *A. Yakymchuk (University of informational technologies and management), T. Byrkovych (Kyiv National University of Culture and Arts), S. Kuzmych (Institute of Water Problems and Land Reclamation)
09 ³⁰ -09 ⁴⁵	[GeoTerrace-2023-117] Assessment of the impact of military operations on agriculture (on the example of winter crops in Donetsk region) using satellite data *V. Lialko, L. Yelistratova, A. Apostolov, A. Khodorovskiy (State Institution "Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Science of the National Academy of Sciences of Ukraine")
09 ⁴⁵ -10 ⁰⁰	[GeoTerrace-2023-105] Monitoring and assessment of the scale of destruction by remote sensing methods during the war in Ukraine *Ye. Butenko, S. Petrychenko (National University of Life and Environmental Sciences of Ukraine)
10 ⁰⁰ -10 ¹⁵	[GeoTerrace-2023-084] GIS solutions for monitoring disasters and their impact on the assessment of land resources *I. Sadovyy, T. Anopriienko, D. Hoptsi, M. Grek, M. Savchenko (State Biotechnological University Kharkiv)
10 ¹⁵ -10 ³⁰	Coffee break
10 ³⁰ -10 ⁴⁵	[GeoTerrace-2023-070] Technical and Technological Features of the Drainage Systems Functioning of the Ukrainian Humid Zone During the War and Their Post-War Reconstruction *L. Kuzmych, H. Voropai, V. Poliakov (Institute of Water Problems and Land Reclamation), O. Furmanets (National University of Water and Environmental Engineering), O. Kharlamov (Institute of Water Problems and Land Reclamation)
10 ⁴⁵ -11 ⁰⁰	[GeoTerrace-2023-021] Identification of dangerous territories of Ukraine during armed aggression using GIS *Sh. Ibatullin, Y. Dorosh, R. Derkul'skyi (Land Management Institute of National Academy of Agrarian Sciences of Ukraine), Ye. Butenko (National University of Life and Environmental Sciences of Ukraine), M. Stetsiuk (National Aviation University)

11 ⁰⁰ -11 ¹⁵	[GeoTerrace-2023-042] Development of mortgage in the real estate market. The impact of the war in Ukraine *O. Pomortseva, S. Kobzan, S. Nesterenko, Ya. Nekrasov (O.M. Beketov National University of Urban Economy in Kharkiv)
11 ¹⁵ -11 ³⁰	[GeoTerrace-2023-091] Mapping of biodiversity changes in the temporary occupied territories of Ukraine (on the example of the National Nature Park “Oleshkivski Pisky”) *Y. Arutiunian, E. Bondarenko (Taras Shevchenko National University of Kyiv)
11 ³⁰ -11 ⁴⁵	[GeoTerrace-2023-063] Aspects of environmental assessment of urbanized areas *O. Zhukova, N. Negoda, I. Korduba (Kyiv National University of Construction and Architecture)
11 ⁴⁵ -12 ⁰⁰	Coffee break
12 ⁰⁰ -12 ¹⁵	[GeoTerrace-2023-047] Analysis of the Consequences of the Russian Occupation of Drained Lands of the Sumy Region, Ukraine *L. Kuzmych, H. Voropai, N. Moleshcha, O. Kharlamov, I. Kotykovich (Institute of Water Problems and Land Reclamation)
12 ¹⁵ -12 ³⁰	[GeoTerrace-2023-025] Assessment of the impact of flood caused by the destruction of Nova Kakhovka dam using remote sensing and GIS *Sh. Ibatullin, Y. Dorosh, *A. Dorosh, H. Kolisnyk, D. Melnyk (Land Management Institute of National Academy of Agrarian Sciences of Ukraine)
12 ³⁰ -12 ⁴⁵	[GeoTerrace-2023-041] Assessment of the quality loss, damage of forestry lands affected by military operations in 2021-2023 *M. Yakovenko (Kyiv National University of Taras Shevchenko), O. Tomchenko (State Institution "Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine»), I. Stakhiv, D. Liashenko (Kyiv National University of Taras Shevchenko)
12 ⁴⁵ -13 ⁰⁰	[GeoTerrace-2023-064] The research of the configurations in some locating acoustic system for geospatial modeling in GIS to increase the coordinate accuracy *V. Tymchuk (Hetman Petro Sahaidachnyi National Army Academy), O. Mediakov (Lviv Polytechnic National University), A. Poliakov (Hetman Petro Sahaidachnyi National Army Academy), O. Popov (AI108)
13 ⁰⁰ -14 ⁰⁰	Lunch break
14 ⁰⁰ -14 ¹⁵	[GeoTerrace-2023-072] Creation of the ecologically safe land use mechanism in the territories that were affected by military actions *S. Vynohradenko (State Biotechnological University), V. Gurskienė (Vytautas Magnus University), L. Makieieva, N. Mokierova, Y. Kniazev (State Biotechnological University)
14 ¹⁵ -14 ³⁰	[GeoTerrace-2023-101] Monitoring of the impact of combat actions on the state of water resources and soil using remote Earth sensing and GIS methods *V. Semeniaka, V. Zatserkovnyi, A. Mienasova, T. Shovkoplias, O. Demchuk (Taras Shevchenko National University of Kyiv)
14 ³⁰ -14 ⁴⁵	[GeoTerrace-2023-115] Land and Legal Relations Reconstruction in the De-Occupied Territories of Ukraine *M. Dubnytska, L. Datsenko, S. Titova (Taras Shevchenko National University of Kyiv)
14 ⁴⁵ -15 ⁰⁰	[GeoTerrace-2023-052] Use of geoinformation technologies for fixing the facts of ecocide in Ukraine *F. Hluhan, V. Mamariev, V. Ozhinskyi (National Space Facilities Control and Test Center), L. Yankiv-Vitkovska, B. Dzhuman (Lviv Polytechnic National University)
15 ⁰⁰ -15 ¹⁵	[GeoTerrace-2023-095] Classification of restrictions on the use of lands affected by military actions *I. Kupriianchyk, H. Kolisnyk (National University of Life and Environmental Sciences of Ukraine), R. Kharytonenko, D. Melnyk, M. Bratinova (Land Management Institute of National Academy of Agrarian Sciences of Ukraine)
15 ¹⁵ -15 ³⁰	[GeoTerrace-2023-113] Monitoring of soils contaminated by military activities during phytoremediation using Miscanthus x giganteus *R. Huminiłovych, V. Stadnik, M. Sozanskyi (Lviv Polytechnic National University), V. Pidlisnyuk (Jan Evangelista Purkyně University), A. Ivaniuk (Ukrainian National Forestry University)

Earth Surface Processes & Geodynamics ([Online Hall](#))

Chair of Section: dr. I. Brusak

Section Secretary: dr. V. Lozynskyi

15 ⁴⁵ -16 ⁰⁰	[GeoTerrace-2023-051] Relief of central Ukrainian Transcarpathians and tectonic factors of its formation in the late Neogene *A. Nazarevych (Carpathian Branch of S.I. Subbotin name Institute of Geophysics of NAS of Ukraine), L. Nazarevych (Institute of Geophysics by S.I. Subbotin name of NAS of Ukraine)
16 ⁰⁰ -16 ¹⁵	[GeoTerrace-2023-108] Trends in the development of deformations of the Turiya riverbed (Volyn Polissia) T. Pavlovska (Lesya Ukrainka Volyn National University), Iv. Kovalchuk (National University of Life and Environmental Sciences of Ukraine), *M. Fedoniuk (Lutsk National Technical University), Ir. Kovalchuk (National University of Life and Environmental Sciences of Ukraine), V. Fedoniuk (Lutsk National Technical University)

16 ¹⁵ -16 ³⁰	[GeoTerrace-2023-028] Active tectonics and the current stress field within local areas of the Dnieper-Donets Depression, taking into account the data of remote sensing of the Earth *O. Azimov (Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine)
16 ³⁰ -16 ⁴⁵	[GeoTerrace-2023-071] The use of highly specialized module and Remote Sensing to study the morphodynamics of the rivers of the Ukrainian Carpathians *G. Bayrak (Ivan Franko National University of Lviv)
16 ⁴⁵ -17 ⁰⁰	[GeoTerrace-2023-067] Automated system for stability diagnosis of hydro technical structures *Y. Onanko (Institute of Water Problems and Land Reclamation NAAS), O. Dmytrenko, A. Onanko, M. Kulish (Taras Shevchenko National University of Kyiv), A. Kuzmych (National University of Water and Environmental Engineering)
17 ⁰⁰ -17 ¹⁵	Coffee break
17 ¹⁵ -17 ³⁰	[GeoTerrace-2023-068] Estimation of residual resource of hydro technical structures using the acoustic emission method *Y. Onanko (Institute of Water Problems and Land Reclamation NAAS), O. Dmytrenko, A. Onanko, T. Pinchuk-Rugal (Taras Shevchenko National University of Kyiv), A. Kuzmych (National University of Water and Environmental Engineering)
17 ³⁰ -17 ⁴⁵	[GeoTerrace-2023-094] Monitoring of factors of the development of erosion processes in Boryspil District *L. Plichko, N. Polyakova, V. Zatserkovnyi (Taras Shevchenko National University of Kyiv)
17 ⁴⁵ -18 ⁰⁰	[GeoTerrace-2023-053] Monitoring of ground shock waves from industrial explosions at the Sevgor quarry (Kryvyi Rih) *S. Zabolotny (National Defence University of Ukraine)
18 ⁰⁰ -18 ¹⁵	[GeoTerrace-2023-054] Monitoring of air shock waves from industrial explosions at the Northern Mining and Concentration Plant quarry (Kryvyi Rih) *S. Zabolotny (The National Defence University of Ukraine)
18 ¹⁵ -18 ³⁰	[GeoTerrace-2023-089] Modern hydrographic research: a river basin from an ordered structure of watercourses to a complex co-evolutionary ecosystem *A. Selehieiev, V. Ovcharuk (Odesa State Environmental University)
18 ³⁰ -18 ⁴⁵	Coffee break
18 ⁴⁵ -19 ⁰⁰	[GeoTerrace-2023-066] Forms of lake basins of the Ukrainian Polissya region and their transformations in the process of accumulation of bottom deposits *O. Ilyina, L. Ilyin (Lesya Ukrainka Volyn National University)
19 ⁰⁰ -19 ¹⁵	[GeoTerrace-2023-049] Genesis of tangential mass forces caused by reorientation of the generalized figure of the lithosphere A. Tserklevych, O. Shylo, *Ye. Shylo (Lviv Polytechnic National University)
19 ¹⁵ -19 ³⁰	[GeoTerrace-2023-011] Differentiation of recent geodynamic processes within the Carpathian Mountains based on GNSS data *I. Savchyn, A. Bilashuk (Lviv Polytechnic National University)

WEDNESDAY, OCTOBER 04, 2023

Engineering Surveying & Deformation Monitoring ([Online Hall](#))

Chair of Section: dr. B. Dzhuman

Section Secretary: dr. I. Savchyn

09 ⁰⁰ -09 ¹⁵	[GeoTerrace-2023-100] Assessment of the zenith tropospheric delay accuracy determined by online PPP services *B. Kladochnyi, F. Zablotskyi (Lviv Polytechnic National University)
09 ¹⁵ -09 ³⁰	[GeoTerrace-2023-058] Assessment of the metro dynamic effects on geotechnical structures during the Poshтова Square reconstruction *O. Voloshkina, I. Sviatohorov, O. Shcherbakova, O. Zhukova (Kyiv National University of Construction and Architecture)
09 ³⁰ -09 ⁴⁵	[GeoTerrace-2023-055] Evaluation of the Base Ground Deformation of Riverside Slopes Fortification by Reinforced Concrete Slabs *S. Kuzmych (Institute of Water Problems and Land Reclamation), V. Guryin, M. Radchuk (National University of Water and Environmental Engineering)
09 ⁴⁵ -10 ⁰⁰	[GeoTerrace-2023-015] Increasing the accuracy of terrestrial laser scanning by using corrections determined from the calibration elements *B. Sossa (Kyiv National University of Construction and Architecture), A. Vivat (Lviv Polytechnic National University), M. Lisohor (PO Guild of Geodesist Engineers), S. Dzhurylo (Ltd. Navigation Geodetic Center)
10 ⁰⁰ -10 ¹⁵	[GeoTerrace-2023-001] Second-order effect of the ionosphere during geomagnetic storms *V. Kerker, S. Savchuk (Lviv Polytechnic National University)
10 ¹⁵ -10 ³⁰	Coffee break
10 ³⁰ -10 ⁴⁵	[GeoTerrace-2023-061] Comparative analysis of dilute aqueous solutions activity coefficients: experimental data and theoretical calculations *M. Kravchenko, Yu. Bereznytska, L. Vasylenko, S. Fedorenko (Kyiv National University of Construction and Architecture)

10 ⁴⁵ -11 ⁰⁰	[GeoTerrace-2023-062] Analysis of the impact of deformations of the foundation on rotor alignment *I. Trevoho, (Lviv Polytechnic National University), E. Ilkiv, M. Prykhodko, M. Halyarnyk, D. Zhytar (Ivano-Frankivsk National Technical University of Oil and Gas)
11 ⁰⁰ -11 ¹⁵	[GeoTerrace-2023-022] Combining geodetic and geophysical methods for studying landslide processes after construction completion *A. Vivat, A. Tserklevych (Lviv Polytechnic National University), N. Nazarchuk (Guild of Geodesist Engineers), Ya. Balabuk, Yu. Turba (Lviv Polytechnic National University)
11 ¹⁵ -11 ³⁰	[GeoTerrace-2023-018] Impact of limited horizon on positioning accuracy in RTK mode *I. Romanyszyn (Kielce University of Technology), O. Serant, S. Doskich, O.-M. Serant (Lviv Polytechnic National University)
11 ³⁰ -11 ⁴⁵	[GeoTerrace-2023-003] Application of the method of pseudo-rotation of matrices for applied problems of geodesy and land management Yu. Hubar, M. Fys, *V. Lozynskiy (Lviv Polytechnic National University)
11 ⁴⁵ -12 ⁰⁰	Coffee break
12 ⁰⁰ -12 ¹⁵	[GeoTerrace-2023-059] The cracks opening monitoring in the museum building during the Poshtova Square reconstruction in Kyiv *I. Sviatohorov (Kyiv National University of Construction and Architecture)
12 ¹⁵ -12 ³⁰	[GeoTerrace-2023-076] Method of installing the contact electrodes of a hydrostatic level I. Trevoho (Lviv Polytechnic National University), E. Ilkiv, M. Halyarnyk (Ivano-Frankivsk National Technical University of Oil and Gas), *O. Hrushko (Lviv Polytechnic National University), M. Yershov (Ivano-Frankivsk National Technical University of Oil and Gas)
12 ³⁰ -12 ⁴⁵	[GeoTerrace-2023-020] Increasing the accuracy of calculating angular values by linear measurements by placing the equipment M. Fys (Lviv Polytechnic National University), S. Łapiński (Warsaw University of Technology), A. Brydun, V. Lozynskiy, I. Pokotylo (Lviv Polytechnic National University)
12 ⁴⁵ -13 ⁰⁰	[GeoTerrace-2023-039] Formation of 3D models of tree trunks in the T. Masarik square in Uzhhorod built using the materials of TLS, terrestrial photogrammetry and their combination *Y. Vash, Yu. Hubar (Lviv Polytechnic National University)
13 ⁰⁰ -14 ⁰⁰	Lunch break
14 ⁰⁰ -14 ¹⁵	[GeoTerrace-2023-097] Cylindrical spirit bubble level with a bubble that is heavier than the filling liquid *E. Ilkiv, M. Prykhodko, M. Halyarnyk, I. Chepurnyi, M. Yershov (Ivano-Frankivsk National Technical University of Oil and Gas)
14 ¹⁵ -14 ³⁰	[GeoTerrace-2023-102] Comparative Analysis of Geodetic Surveys for Building Facad: Laser Scanning, Total station surveying and Smartphone Lidar *O. Shevchenko, I. Openko, R. Tykhenko, Y. Stepchuk (National University of Life and Environmental Sciences of Ukraine)
14 ³⁰ -14 ⁴⁵	[GeoTerrace-2023-083] Modeling of atmosphere light pollution *Yu. Semkiv (Ternopil Ivan Puluj National University), A. Bilinskyi (Ivan Franko National University of Lviv), L. Yankiv-Vitkovska, S. Doskich (Lviv Polytechnic National University)
14 ⁴⁵ -15 ⁰⁰	[GeoTerrace-2023-009] Phase section intervals investigation of the Berezhany linear base using creative observations with the Leica TCRP1201TotalStation S. Perii, V. Tarnavskiy, *K. Harbyzov, I. Oliinyk, N. Nester (Lviv Polytechnic National University)
15 ⁰⁰ -15 ¹⁵	[GeoTerrace-2023-030] Rapid Fixation and Digitization for Cultural Heritage Preservation in Conflict Zones *I. Savchyn, K. Tretyak, I. Brusak, V. Lozynskiy, M. Duma (Lviv Polytechnic National University)

Remote Sensing & GIS for Spatial Territory Planning [\(Online Hall\)](#)

Chair of Section: dr. Z. Ryzhor

Section Secretary: dr. Kh. Maruszah

15 ³⁰ -15 ⁴⁵	[GeoTerrace-2023-060] Using Satellite Agricultural Monitoring Data for Assessing the Natural Afforestation of Farmlands at the Regional Level in Ukraine *T. Ievsiukov, O. Pron, A. Horodnycha, Ya. Stepchuk (National University of Life and Environmental Sciences of Ukraine)
15 ⁴⁵ -16 ⁰⁰	[GeoTerrace-2023-088] Applying GIS in Strategic Environmental Assessment of Land Management Documentation in Ukraine *O. Dorosh (National University of Life and Environmental Sciences of Ukraine), O. Sakal, R. Derkul'skiy, V. Saliuta, Yu. Riabova (Land Management Institute of National Academy of Agrarian Sciences of Ukraine)
16 ⁰⁰ -16 ¹⁵	[GeoTerrace-2023-098] The Land Exchange Modeling for Land Consolidation *M. Malashevskiy (National Academy of Agrarian Sciences of Ukraine), O. Malashevska (National University of Life and Environmental Sciences of Ukraine), A. Tarnopolskiy (National Academy of Agrarian Sciences of Ukraine), Y. Mosiychuk (Independent researcher), Y. Tarnopolskiy (National Academy of Agrarian Sciences of Ukraine)

16 ¹⁵ -16 ³⁰	[GeoTerrace-2023-109] Methodology of using ArcGIS Online for land resources management in territorial communities *Z. Ryzhok, R. Stupen (Lviv National Environmental University), N. Stupen (Lviv Polytechnic National University), O. Stupen (Lviv National Environmental University)
16 ³⁰ -16 ⁴⁵	[GeoTerrace-2023-107] Improvement of the social infrastructure of residential areas by means of GIS *O. Pomortseva, S. Kobzan, V. Korotkov, Ju. Svyntarenko (O.M. Beketov National University of Urban Economy in Kharkiv)
16 ⁴⁵ -17 ⁰⁰	Coffee break
17 ⁰⁰ -17 ¹⁵	[GeoTerrace-2023-093] Methodological principles of the application of geoinformation systems for creating a geospatial database *R. Stupen, Z. Ryzhok (Lviv National Environmental University), N. Stupen (Lviv Polytechnic National University), O. Stupen (Lviv National Environmental University)
17 ¹⁵ -17 ³⁰	[GeoTerrace-2023-096] Data collection methods for land evaluation in Ukraine *I. Kupriianchuk (National University of Life and Environmental Science of Ukraine), M. Stetsiuk (National Aviation University), M. Bratinova, R. Kharytonenko, H. Shtogryn (National Academy of Agrarian Sciences of Ukraine)
17 ³⁰ -17 ⁴⁵	[GeoTerrace-2023-085] Some Aspects of the Implementation of the Land Plot Normative Monetary Valuation Methodology *Yu. Palekha (State Enterprise Y. Bilokon Ukrainian State Scientific-Research Institute of Urban Design "DIPROMISTO"), A. Tarnopolskyi, M. Malashevskiy (The National Academy of Agrarian Sciences of Ukraine), O. Malashevska (National University of Life and Environmental Sciences of Ukraine), Ye. Tarnopolskyi (The National Academy of Agrarian Sciences of Ukraine)
17 ⁴⁵ -18 ⁰⁰	[GeoTerrace-2023-110] Real estate market research in Ukraine. New trends in 2023 *O. Pomortseva, S. Kobzan, O. Shapochkin (O.M. Beketov National University of Urban Economy in Kharkiv), N. Panteleeva (Kryvyi Rih State Pedagogical University)
18 ⁰⁰ -18 ¹⁵	[GeoTerrace-2023-050] Application of spatial analysis tools in the ArcGIS environment for the analysis of urban settlement networks (in the example of the Ivano-Frankivsk region of Ukraine) L. Zahriichuk, *R. Lozynskyy (Ivan Franko National University of Lviv)
18 ¹⁵ -18 ³⁰	Coffee break
18 ³⁰ -18 ⁴⁵	[GeoTerrace-2023-040] Methodology of assessing walking accessibility of the recreation zones in mountainous area by applying data of the high-resolution aerial surveying with UAV and cadastral maps I. Kolb (Lviv Polytechnic National University), P. Kolodii, *I. Dydiv (Lviv National Environmental University), Ye. Ryzhov, V. Zhyvchuk (Hetman Petro Sahaidachnyi National Army Academy)
18 ⁴⁵ -19 ⁰⁰	[GeoTerrace-2023-024] 3D cadastre models for implementation in Ukraine *M. Melnyk, N. Stupen (Lviv Polytechnic National University)
19 ⁰⁰ -19 ¹⁵	[GeoTerrace-2023-005] Geoinformation support of territory stratification for the needs of mass land valuation *Yu. Moroz, A. Martyn, L. Hunko, N. Medynska (National University of Life and Environmental Sciences of Ukraine)

THURSDAY, OCTOBER 05, 2023

Remote Sensing & GIS for Environmental Monitoring (Session 1) (Online Hall) Chair of Section: dr. N. Lazorenko Section Secretary: dr. Kh. Maruszah	
09 ⁰⁰ -09 ¹⁵	[GeoTerrace-2023-002] Providing an educational component for the development of the National Geospatial Data Infrastructure Yu. Karpinskyi, A. Lyashchenko, N. Lazorenko, *D. Kin (Kyiv National University of Construction and Architecture)
09 ¹⁵ -09 ³⁰	[GeoTerrace-2023-013] Mapping the landscapes of the Ukrainian Carpathians using GIS for nature protection needs V. Brusak (Ivan Franko National University of Lviv), *I. Brusak (Lviv Polytechnic National University)
09 ³⁰ -09 ⁴⁵	[GeoTerrace-2023-012] Mapping of irrigated lands in the area of influence of the Kakhovsky Reservoir using GIS *A. Dorosh (Land Management Institute of National Academy of Agrarian Sciences of Ukraine), O. Dorosh (National University of Life and Environmental Sciences of Ukraine), O. Sakal, V. Saliuta, A. Trokhymchuk (Land Management Institute of National Academy of Agrarian Sciences of Ukraine)
09 ⁴⁵ -10 ⁰⁰	[GeoTerrace-2023-016] Forest roads restoration with biodiversity conservation using GIS *A. Kharchenko, V. Khrutba, (National Transport University), P. Trofymenko, I. Stakhiv, D. Liashenko (Taras Shevchenko National University of Kyiv)
10 ⁰⁰ -10 ¹⁵	[GeoTerrace-2023-077] The use of GIS technologies as an important tool for reducing the shadow economy level in agro-industrial production *I. Koshkalda, O. Dombrovska (State Biotechnological University), A. Celms (Latvia University of Life Sciences and Technologies), A. Rysanyanska, M. Zelenskyi (State Biotechnological University)

10 ¹⁵ -10 ³⁰	Coffee break
10 ³⁰ -10 ⁴⁵	[GeoTerrace-2023-090] Analysis of the natural recreation resources of the National Nature Park «Male Polysya» using GIS technologies *D. Sopov, I. Kyrpychova, V. Usenko, D. Lobok (Luhansk Taras Shevchenko National University), N. Sopova (Uman National University of Horticulture)
10 ⁴⁵ -11 ⁰⁰	[GeoTerrace-2023-092] Increasing the energy dependence of state facilities of critical infrastructure based on the use of geoinformation *A. Mishchenko (International Airport Kyiv), L. Skrypnyk, N. Ishchenko (National Aviation University), I. Novakovska, A. Koshel (National University of Life and Environmental Sciences of Ukraine)
11 ⁰⁰ -11 ¹⁵	[GeoTerrace-2023-104] Development of a software application for geoinformation mapping of forest cover in the territory of Ukraine using remote sensing data *L. Slichna, E. Bondarenko (Taras Shevchenko National University of Kyiv)
11 ¹⁵ -11 ³⁰	[GeoTerrace-2023-116] Using GIS to identify self-seeding forests for sustainable resource management *I. Openko, Ya. Stepchuk, R. Tykhenko, O. Tsvyakh, A. Horodnychcha (National University of Life and Environmental Sciences of Ukraine)
11 ³⁰ -11 ⁴⁵	[GeoTerrace-2023-075] Using Satellite Imagery as an Educational Tool: Experience on the example of the All-Ukrainian Summer School on Remote Sensing 2021-2022 S. Babiichuk, S. Pikul, *L. Davybidia, O. Tomchenko, O. Hordiienko (Junior Academy of Sciences of Ukraine)
11 ⁴⁵ -12 ⁰⁰	Coffee break
12 ⁰⁰ -12 ¹⁵	[GeoTerrace-2023-057] The application of web mapping for the research and documentation of historical and cultural heritage objects *B. Chetverikov, I. Trevoho (Lviv Polytechnic National University)
12 ¹⁵ -12 ³⁰	[GeoTerrace-2023-031] Theoretical aspects and practical implementation of creating geoportals *V. Romaniuk, O. Burin (Ivano-Frankivsk National Technical University of Oil and Gas)
12 ³⁰ -12 ⁴⁵	[GeoTerrace-2023-026] Use of modern digital technologies for documenting and preserving cultural heritage sites in Lviv *Z. Kuzyk, I. Kolb, I. Zajats (Lviv Polytechnic National University)
12 ⁴⁵ -13 ⁰⁰	[GeoTerrace-2023-037] GIS-oriented approach to analyzing the causes of water displays on hydraulic structures *A. Zyhar (Yuriy Fedkovych Chernivtsi National University), I. Zayats (Lviv Polytechnic National University), O. Zakrevskiy, (Yuriy Fedkovych Chernivtsi National University)
13 ⁰⁰ -14 ⁰⁰	Lunch break

Remote Sensing & GIS for Environmental Monitoring (Session 2) ([Online Hall](#))

Chair of Section: dr. L. Hebryn-Baidy

Section Secretary: dr. V. Lozynskiy

14 ⁰⁰ -14 ¹⁵	[GeoTerrace-2023-004] Determination of the main parameters of hydrological modelling of flooded zones based on remote sensing and GIS technologies Kh. Burshtynska, *I. Zayats, M. Halochkin (Lviv Polytechnic National University)
14 ¹⁵ -14 ³⁰	[GeoTerrace-2023-034] Land-Use and Land-Cover Changes in Kharkiv: Impact on Land Surface Temperature *L. Hebryn-Baidy (Scott Polar Research Institute)
14 ³⁰ -14 ⁴⁵	[GeoTerrace-2023-007] Elements of assessment of the anthropogenic impact of a coal mining mine on the site of the Emerald Network using methods of remote sensing of the Earth *O. Masiuk (Oles Honchar Dnipro National University), R. Novitskyi, H. Hapich, Ye. Chubchenko (Dnipro State Agrarian and Economic University)
14 ⁴⁵ -15 ⁰⁰	[GeoTerrace-2023-006] The use of GIS for mapping and analysis of changes in the vegetation cover of Chornohora (Ukrainian Carpathians) under the influence of the pasture farming *M. Karabiniuk (Uzhhorod National University), O. Burianyk (Ivan Franko National University of Lviv), Z. Hostiuk (Hutsulshchyna National Nature Park), I. Radysh, V. Romanko (Uzhhorod National University)
15 ⁰⁰ -15 ¹⁵	[GeoTerrace-2023-023] Power Line Vegetation Management using LIDAR K. Mikhulia (Taras Shevchenko National University of Kyiv), V. Poda (HMARA GIS agency)
15 ¹⁵ -15 ³⁰	Coffee break
15 ³⁰ -15 ⁴⁵	[GeoTerrace-2023-038] Deployment Technique of Radar Corner Reflector for SAR Observations K. Tretyak (Lviv Polytechnic National University), *D. Kukhtar, M. Prykhodko, V. Yatsyk (Ivano-Frankivsk national technical university of oil and gas)
15 ⁴⁵ -16 ⁰⁰	[GeoTerrace-2023-069] Combining Sentinel-1 and Sentinel-2 data for the identification of urban greenery *V. Belenok, L. Hebryn-Baidy, O. Zheleznyak (National Aviation University), S. Alpert (Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Science of the National Academy of Sciences of Ukraine)
16 ⁰⁰ -16 ¹⁵	[GeoTerrace-2023-112] Monitoring of heat islands based on the data of the Sentinel 2 MSI satellites: MultiSpectral Instrument, Level-1C and MODIS sensors on the example of the territories of Kyiv and Rome *S. Sakhniuk, V. Zatserkovnyi, A. Ilchenko (Taras Shevchenko National University of Kyiv), N. Odarchuk (Lesya Ukrainka Volyn National University), T. Mironchuk (Taras Shevchenko National University of Kyiv)

16 ¹⁵ -16 ³⁰	[GeoTerrace-2023-073] Monitoring of forest resources condition based on the remote sensing data of the Earth by means of GIS *A. Siedov (<i>State Biotechnological University</i>), N. Stoiko (<i>Lviv National Environmental University</i>), S. Smyrnova, A. Fedorova, V. Prokopenko (<i>State Biotechnological University</i>)
16 ³⁰ -16 ⁴⁵	[GeoTerrace-2023-079] Using remote sensing imagery in the study of long-term dynamics of water bodies in the buffer zone of Vyazivotskyi landscape reserve *V. Matsiuk (<i>Dnipro State Agrarian and Economic University</i>), O. Masiuk (<i>Oles Honchar Dnipro National University</i>)
16 ⁴⁵ -17 ⁰⁰	Coffee break
17 ⁰⁰ -17 ¹⁵	[GeoTerrace-2023-114] Application of remote sensing tools for analysis and assessment of anthropogenic transformations of reservoirs in the Volyn region *O. Hulko, M. Malanchuk, M. Kondratyshyn (<i>Lviv Polytechnic National University</i>)
17 ¹⁵ -17 ³⁰	[GeoTerrace-2023-111] Analysis of vertical ground displacements of the Lviv Citadel territory based on radar survey data *B. Chetverikov, M. Protsyk (<i>Lviv Polytechnic National University</i>)
17 ³⁰ -17 ⁴⁵	[GeoTerrace-2023-103] Geoinformation landscape and geographical mapping of lake-basin systems within the recreational and tourist direction of nature use *V. Martyniuk (<i>Rivne State University of Humanities</i>), I. Kovalchuk (<i>National University of Life and Environmental Sciences of Ukraine</i>), I. Zubkov (<i>Nobel National Nature Park</i>), V. Korbutiak (<i>National University of Water and Environmental Engineering</i>), O. Pylypovych (<i>Ivan Franko National University of Lviv</i>)
17 ⁴⁵ -18 ⁰⁰	[GeoTerrace-2023-081] Satellite monitoring of soil moisture: Applications, technologies and impact on agriculture and ecosystems *V. Sabadash, O. Lopushansky (<i>Lviv Polytechnic National University</i>)
18 ⁰⁰ -18 ¹⁵	[GeoTerrace-2023-074] Use of geodesic methods and GIS technologies in monitoring of polyprotective forest strips S. Mohylnyi, *D. Khainus (<i>State Biotechnological University</i>), N. Sopova (<i>Uman National University of Horticulture</i>), D. Sopov (<i>Luhansk Taras Shevchenko National University</i>), D. Makieiev (<i>State Biotechnological University</i>)
18 ¹⁵ -18 ³⁰	Coffee break
18 ³⁰ -19 ⁰⁰	Summarizing the results of Conference (Online Hall)