



# EAGE

EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS



## Technical programme Програма конференції

XVIII INTERNATIONAL SCIENTIFIC CONFERENCE  
"MONITORING OF GEOLOGICAL PROCESSES  
AND ECOLOGICAL CONDITION OF THE ENVIRONMENT" 1  
14 - 17 APRIL 2025, KYIV, UKRAINE

## General information

### VENUE ONLINE

Institute of Geology  
Taras Shevchenko National University of Kyiv  
90, Vasylykivska Street  
Kyiv

## Загальна інформація

### МІСЦЕ ПРОВЕДЕННЯ ОНЛАЙН

ННІ «Інститут геології»  
Київського національного університету  
імені Тараса Шевченка  
м. Київ, вул. Васильківська, 90



## PROGRAMME COMMITTEE / ПРОГРАМНИЙ КОМІТЕТ

S. Vyzhva – ESI “Institute of Geology” of Taras Shevchenko National University of Kyiv;

P. Zahorodniuk – Ukrainian Association of Geologists;

S. Zapototskyi – The Faculty of Geography of Taras Shevchenko National University of Kyiv;

O. Ivanik – ESI “Institute of Geology” of Taras Shevchenko National University of Kyiv;

O. Kendzera – Institute of Geophysics (IGP) of the National Academy of Sciences of Ukraine;

V. Maksymchuk – Carpathian Department, Institute of Geophysics (IGP) of the National Academy of Sciences of Ukraine;

R. Opimakh – The State Service of Geology and Mineral Resources of Ukraine;

V. Osadchiy – Ukrainian Hydrometeorological Institute of the National Academy of Sciences of Ukraine;

S. Payuk – State Committee on Reserves (DKZ) of Ukraine;

G. Tolstanova– Taras Shevchenko National University of Kyiv;

S. Shekhunova – Institute of Geological Sciences NAS of Ukraine);

O. Shchypstov – State Institution “Scientific Hydrophysical Centre of the National Academy of Sciences of Ukraine”;

O. Curas – British Geological Survey;

P. Pereira– Mykolas Romeris University;

Wei Wu – Institute of Geotechnical Engineering, University of Natural Resources and Life Sciences





**Dear participants of the 18<sup>th</sup> International Scientific Conference “Monitoring of Geological Hazards and State of the Environment”!**

It is our great pleasure to welcome you to our conference.

It is the seven time that our conference has been held under the auspices of EAGE and the fourth time that it has been held online.

The heroic struggle of the people of Ukraine for their independence and right to life has been going on for the fourth year.

Despite the military action, missile attacks, bombings, power and Internet outages, Ukraine survives, works, and recovers!

It is symbolic that for many years now, the conference has been held at Kyiv University. Universities are now centers of stability in Ukraine.

Taking into account the need to rebuild the infrastructure, provide resources for the strategic industries, monitor the environmental condition of the territories where hostilities are taking place, the topic of our conference is

and will remain relevant for many years to come.

The conference program includes more than 180 reports, which will be presented in 10 sections.

We are grateful to all our partners for their help and support in holding our conference. My special thanks go to the management of EAGE for the support and assistance provided to the participants from Ukraine.

I wish everyone fruitful work!

We believe in our victory!

**On behalf of the Program Committee of the conference,  
Professor Serhii Vyzhva**

**Шановні учасники XVIII Міжнародної науково-практичної конференції «Моніторинг геологічних небезпек та стану навколишнього природного середовища»,**

Ми раді вітати вас на нашій конференції. Уже сьомий раз наша конференція проходить під егідою EAGE і вчетверте – онлайн.

Вже четвертий рік триває героїчна боротьба народу України за свою незалежність і право на життя.

Незважаючи на військові дії, ракетні обстріли, бомбардування, відключення електроенергії та інтернету, Україна виживає, працює та відновлюється!

Символічно, що вже багато років конференція проходить у Київському університеті. Зараз університети є центрами стабільності в Україні.

Враховуючи необхідність відновлення інфраструктури, ресурсного забезпечення стратегічних виробництв, моніторингу екологічного стану територій, де ведуться бойові дії, тема нашої конференції є і залишатиметься актуальною ще багато років.

Програма конференції передбачає понад 180 доповідей, які будуть представлені в 10 секціях.

Ми вдячні всім партнерам за допомогу та підтримку у проведенні нашої конференції. Особливу подяку висловлюю керівництву EAGE за підтримку та допомогу, надану учасникам з України.

Бажаю всім плідної роботи!

Віримо в нашу перемогу!

**Від Програмного комітету конференції,  
Професор Сергій Вижва**



**XVIII International Scientific Conference “Monitoring of Geological Processes and Ecological Condition of the Environment”**

**14–17 April 2025, Kyiv, Ukraine**

**EAGE**

**Dear Colleagues,**

We are pleased to announce that for the fourth time, the **Monitoring Conference** will be held **online**.

This format provides greater accessibility, enabling more participants from around the world to join us. As authors, you'll have the opportunity to share your work with a wider audience and engage in valuable scientific exchange.

The conference will take place as scheduled, on **April 14–17, 2025**. To ensure a smooth experience, we have organized **three virtual halls** for oral presentations: **Hall 1, Hall 2, and Hall 3**.

You may join the sessions using the links below. If prompted, please enter the password: **2025**

[Hall 1](#)

[Hall 2](#)

[Hall 3](#)

Or our website available a schedule ([eage.in.ua](http://eage.in.ua)) with links to the Halls.

### **Privacy and Copyright Notice**

Please be aware that, due to the nature of online events, it is technically impossible to prevent viewers from recording their screens. Therefore, we kindly ask all presenters to **avoid sharing confidential or sensitive information** during their presentations, in order to prevent unintended public disclosure.

### **Important Note for Ukrainian Participants**

We understand that some participants may be joining the conference from regions affected by security risks.

In case of an **air alarm** or other emergency situation:

- **Your safety is our top priority.**
- If you are a **presenter** and need to leave for a shelter, please **notify the Session Chair via the Zoom chat** (a brief message such as "*air alarm, need to reschedule*" will be enough).
  - Your presentation will be **rescheduled** to the nearest available time slot — either during a break or after the final talk of the session/day.
- If you are a **listener**, you may also leave at any time for your safety. You are welcome to rejoin the session once the situation allows.

The Session Chair will continue to moderate the session, and we will make every effort to support your participation once you are safe.

We sincerely appreciate your commitment and resilience under such difficult circumstances.

**Please stay safe, and thank you for being part of the conference.**

**Organizing Committee  
Monitoring Conference 2025**



XVIII International Scientific Conference “Monitoring of Geological Processes  
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## PROGRAMME HIGHLIGHTS

Monday, April 14

9.30 - 10.30 Registration  
10.30 - 11.00 Opening of the conference  
11.00 - 13.00 Plenary Session  
14.00 - 18.20 Technical Sessions

Plenary Session – HALL 1  
Session Chair: Dr. Sergii Vyzhva

11.00 – 11.30 [\[Mon25-227\]](#) Geological Monitoring General Issues and Case-Studies: the Experience of the Institute of Geological Sciences, National Academy of Sciences of Ukraine  
S. B. Shekhunova, S. M. Stadnichenko, N. P. Siumar, M. V. Aleksieienkova (*Institute of Geological Science of Ukraine National Science Academy*)

11.30 – 12.00 [\[Mon25-060\]](#) Magnetic and geochemical analyses of soils from war-affected locations in Ukraine  
\*O. Menshov (*Taras Shevchenko National University of Kyiv*), K. Bondar (*The Institute of Geophysics, Polish Academy of Sciences*), D. Hlavatskyi, V. Bakhmutov, Ie. Poliachenko (*The Institute of Geophysics, NAS of Ukraine*), M. Mohylko (*Taras Shevchenko National University of Kyiv*)

12.00 – 12.30 [\[Mon25-194\]](#) Groundwater quality assessment using health risk-based weighting  
\*V. Bezsonnyi (*Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine*; V. N. Karazin Kharkiv National University, Kharkiv, Ukraine), O. Tretyakov (*State Non-Commercial Company «State University «Kyiv Aviation Institute»*), A. Nekos (*V. N. Karazin Kharkiv National University, Kharkiv, Ukraine*), L. Plyatsuk (*Sumy State University, Sumy, Ukraine*), R. Ponomarenko (*Institute of Scientific Research on Civil Protection of the National University of Civil Protection of Ukraine, Dmytrivka, Kyiv region*), O. Davydova (*Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine*)

12.30 – 13.00 [\[Mon25-126\]](#) Submarine landslides and assessment of slope stability in gas hydrate zones, Black Sea region  
\*O. Ivanik (*Taras Shevchenko National University of Kyiv*), V. Iemelianov, T. Kukovska (*SSI MariGeoEcoCentre NAS of Ukraine (MGEC), Ukraine*), N. Fedoronchuk (*SSI MariGeoEcoCentre NAS of Ukraine (MGEC), Ukraine, Odesa I.I. Mechnikov National University*), K. Hadiatska (*Taras Shevchenko National University of Kyiv*)

Technical session

14.00 – 18.00 Hall 1 MODERN TECHNOLOGIES OF GEOPHYSICAL MONITORING 16

14.00 – 18.00 Hall 2 MONITORING, FIXATION AND ASSESSING THE IMPACT OF THE WAR 13

Tuesday, April 15

9.00 - 18.00 Technical Sessions  
Hall 1 GEOHAZARDS MONITORING AND MITIGATION  
Hall 2 MONITORING OF ENVIRONMENTAL AND ECONOMIC RISKS  
Hall 3 GEOGRAPHIC INFORMATION SYSTEMS AND TECHNOLOGIES

Wednesday, April 16

9.00 - 18.00 Technical Sessions  
Hall 1 MONITORING OF AQUATIC ENVIRONMENT AND ATMOSPHERIC AIR  
Hall 2 MONITORING OF ENVIRONMENTAL AND ECONOMIC RISKS  
AEROSPACE METHODS OF MONITORING  
Hall 3 GEOPHYSICS IN ENGINEERING GEOLOGY, SOIL SCIENCE, ARCHAEOLOGY, ECOLOGY

Thursday, April 17

9.00 - 13.00 Technical Sessions  
Hall 1 MONITORING OF AQUATIC ENVIRONMENT AND ATMOSPHERIC AIR  
Hall 2 GEOLOGICAL MODELING AND MATTER OF THE EARTH  
Hall 3 MONITORING IN PROSPECTING AND DEVELOPMENT OF MINERAL DEPOSITS  
13.00 - 13.30 Hall 1 Conference Summarizing



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<b>MODERN TECHNOLOGIES OF GEOPHYSICAL MONITORING</b> <b>СУЧАСНІ ТЕХНОЛОГІЇ ГЕОФІЗИЧНОГО МОНИТОРИНГУ</b> Session Chair: <i>PhD Onyshchuk Victor</i>	
<b>14.00</b>	<a href="#">[Mon25-191]</a> The improved algorithm for statistical modeling of dataset in 3D area with «cubic» variogram on Rivne NPP example *Z. Vyzhva, V. Demidov, T. Shovkoplias ( <i>Taras Shevchenko National University of Kyiv</i> ), A. Vyzhva ( <i>UkrNDI-gaz</i> )
<b>14.15</b>	<a href="#">[Mon25-055]</a> Detection of seismic and infrasound signals from the explosion at the Kakhovka HPP Dam and estimation of its yield *O. Liashchuk, V. Osadchii, Y. Andrushchenko ( <i>Main Center of Special Monitoring</i> )
<b>14.30</b>	<a href="#">[Mon25-068]</a> Upgrading the seismic network in the Carpathian region of Ukraine: deployment and background noise analysis *T. Amashukeli ( <i>GFZ German Research Centre for Geosciences; Subbotin Institute of Geophysics of the National Academy of Sciences of Ukraine</i> ), L. Farfuliak, O. Haniiev, B. Kuplovskiy, V. Prokopyshyn, K. Petrenko ( <i>Subbotin Institute of Geophysics of the National Academy of Sciences of Ukraine</i> )
<b>14.45</b>	<a href="#">[Mon25-151]</a> Investigation of geodynamic anomalies during local earthquakes in the center of the Dnipro-Donets Basin V. Shliakhovyi, R. Shyian ( <i>Poltava Gravimetric Observatory of the Subbotin Institute of Geophysics of the NAS of Ukraine</i> ), R. Shliakhovyi ( <i>Main Office Pension Fund in Poltava Region</i> )
<b>15.00</b>	<a href="#">[Mon25-074]</a> Assessment of near-surface seismological conditions of the Litomerice area. *I. Viktosenko, M. Mazanec ( <i>Faculty of Science, Charles University</i> ), M. Dovbnich ( <i>Geophysical Department, Dnipro University of Technology</i> )
<b>15.15</b>	<a href="#">[Mon25-168]</a> Detailed fault mapping for geothermal exploration using gravity data in Ukrainian Carpathian Foredeep *R. Petrokushyn ( <i>Taras Shevchenko National University of Kyiv</i> ), G. Bancala ( <i>SLB</i> ), L. De Luca ( <i>SLB</i> ), D. Bezrodnyi ( <i>Taras Shevchenko National University of Kyiv</i> )
<b>15.30</b>	<a href="#">[Mon25-180]</a> The main features of the lithosphere deep structure according to the RomUkrSeis profile T. Burakhovych, I. Makarenko ( <i>S. Subbotin Institute of the Geophysics National Academy of Sciences of Ukraine</i> ), *A. Bondar ( <i>S. Subbotin Institute of the Geophysics National Academy of Sciences of Ukraine; Taras Shevchenko National University of Kyiv, ESI "Institute of geology"</i> )
<b>15.45</b>	<a href="#">[Mon25-140]</a> Assessment of Seismic Noise Levels for the Selection of a Permanent Monitoring Station: A Case Study of the KHRY Site in Ukraine *D. Levon ( <i>Taras Shevchenko National University of Kyiv, Kyiv, Ukraine</i> ), L. Farfuliak ( <i>Subbotin Institute of Geophysics of NAS of Ukraine, Kyiv, Ukraine</i> ), T. Amashukeli ( <i>Subbotin Institute of Geophysics of NAS of Ukraine, Kyiv, Ukraine; GFZ German Research Centre for Geosciences, Potsdam, Germany</i> ), O. Haniiev, K. Petrenko ( <i>Subbotin Institute of Geophysics of NAS of Ukraine, Kyiv, Ukraine</i> )
<b>16.00</b>	<b>Coffee Break</b>
<b>16.15</b>	<a href="#">[Mon25-090]</a> Non-standard approaches to the assessment of the lithological affiliation of rocks based on the well logging data (Transcarpathian Basin) *O. Karpenko, I. Virshylo, A. Chupryna ( <i>Taras Shevchenko National University of Kyiv</i> )
<b>16.30</b>	<a href="#">[Mon25-146]</a> Application of neural networks in solving inverse problems of oil and gas well electrometry. II. Radial component *M. Myrontsov ( <i>The Institute of Telecommunications and Global Information Space of the National Academy of Sciences of Ukraine, Center for Information-analytical and Technical Support of Nuclear Power Facilities Monitoring of the National Academy of Sciences of Ukraine</i> ), O. Klymenkov ( <i>The Institute of Telecommunications and Global Information Space of the National Academy of Sciences of Ukraine</i> ), I. Krasovska ( <i>M.E. Zhukovsky National Aerospace University "Kharkiv Aviation Institute"</i> )



16.45	<a href="#">[Mon25-164]</a> Features of the void space structure of Upper Visean and Lower Visean-Tournaisian reservoir rocks in the marginal zone of the Dnipro-Donets Basin I. Bezrodna, *V. Yemets ( <i>Taras Shevchenko National University of Kyiv</i> )
17.00	<a href="#">[Mon25-065]</a> The experience, problems, and opportunities of computer technologies in the study of complex carbonate reservoirs of the Lower Visean-Tournaisian deposits of the Dnipro-Donets Depression V. G. Kolisnichenko, *K. B. Tsybaliuk ( <i>Geounit LLC</i> )
17.15	<a href="#">[Mon25-048]</a> Predicting underground water levels from seismic exploration parameter – Vs30 using machine learning methods O. K. Tiapkin, *O. V. Piskunov ( <i>Dnipro University of Technology, Dnipro, Ukraine</i> ), S. A. Onyshchenko ( <i>Georozvidka, LLC, Lviv, Ukraine</i> )
17.30	<a href="#">[Mon25-024]</a> Estimation of the type of clay minerals by combination of radioactive logging methods *M. S. Bondarenko, V. V. Kulyk ( <i>S.I. Subbotin Institute of Geophysics of the National Academy of Sciences of Ukraine</i> )
17.45	<a href="#">[Mon25-171]</a> Accuracy assessment of open digital elevation models (DEM) for the territory of Ukraine and prospects for their improvement *A. Vivat, A. Bubniak, I. Bubniak, P. Boretskyy, K-O. Boiko ( <i>Lviv Polytechnic National University</i> ), O. Bochko ( <i>Lviv National University of Environmental Sciences</i> )
18.00	<a href="#">[Mon25-079]</a> Separation of gravitational fields by the selection method (modelling of the gravity field regional component) *S. E. Rozlovska ( <i>Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine</i> ), S. G. Anikeyev ( <i>Carpathian Branch of the S. I. Subbotin Institute of Geophysics of the National Academy of Sciences of Ukraine, Lviv, Ukraine</i> )
18.15	



<b>MONITORING, REGISTERING AND ASSESSING THE IMPACT OF THE WAR</b> <b>МОНІТОРИНГ, ФІКСАЦІЯ ТА ОЦІНКА НАСЛІДКІВ ВІЙНИ</b> Session Chair: <i>Dr. Shabatura Oleksandr</i>	
14.00	<a href="#">[Mon25-210]</a> Remote evaluation of post-military basin Moshchunka of Kyiv Oblast, Ukraine using spectral indices *I. Tsyhanenko-Dziubenko, H. Kireitseva, N. Ventsel ( <i>Zhytomyr Polytechnic State University</i> ), V. Ventsel ( <i>Zhytomyr Regional State Administration</i> ), L. Shevchuk, G. Skyba ( <i>Zhytomyr Polytechnic State University</i> )
14.15	<a href="#">[Mon25-117]</a> Assessment of War-Damaged Agricultural Landscape Degradation in Ukraine Using Satellite-Based Contrast Edge Changes S. L. Nikulin, *K. L. Sergieieva, O. V. Korobko ( <i>Dnipro University of Technology</i> )
14.30	<a href="#">[Mon25-130]</a> Remote assessment of shelterbelts damaged by military actions S. Stankevich, A. Kozlova, A. Andreiev, *A. Lysenko, S. Golubov ( <i>Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine</i> )
14.45	<a href="#">[Mon25-075]</a> Application of remote sensing methods for assessing land damage resulting from military operations A. Nemoshkalov ( <i>V. N. Karazin Kharkiv National University, Kharkiv, Ukraine</i> )
15.00	<a href="#">[Mon25-053]</a> Geoinformation modeling of the urban heat island in Kharkiv under wartime conditions *L. Kokosha ( <i>Taras Shevchenko National University of Kyiv</i> ), P. Trofymenko ( <i>T. H. Shevchenko National University «Chernihiv Colehium»</i> ), D. Liashenko, T. Malik ( <i>Taras Shevchenko National University of Kyiv</i> )
15.15	<a href="#">[Mon25-069]</a> Assessment of Soil Recovery Quality Disrupted by Military Actions Using Remote Sensing Methods O. M. Masiuk, *Y. R. Malenyk ( <i>Oles Honchar Dnipro National University, Dnipro, Ukraine</i> )
15.30	<a href="#">[Mon25-159]</a> Geospatial analysis of war-affected areas in Ukraine based on SAR and GIS technologies *O. Hrushko ( <i>Lviv Polytechnic National University</i> ), D. Zhytar, E. Ilkiv, M. Hrynishak, D. Kukhtar ( <i>Ivano-Frankivsk National Technical University of Oil and Gas</i> )
15.45	<a href="#">[Mon25-013]</a> Heavy metals spatial redistribution model for monitoring of soil contamination O. Halahan, N. Korohoda, T. Kupach, O. Kovtoniuk, N. Pohorilchuk, *Y. Braychevskyy ( <i>Taras Shevchenko National University of Kyiv</i> )
16.00	<b>Coffee Break</b>
16.15	<a href="#">[Mon25-098]</a> Estimation of seismic intensities caused by extraterrestrial explosions *V. Osadchy, O. Liashchuk, Yu. Andrushchenko ( <i>The Main Center of Special Monitoring, the National Center for Control and Testing of Space Facilities, SSA of Ukraine</i> )
16.30	<a href="#">[Mon25-184]</a> Impact of military operations on the fire status of lands in Kherson region *B. Savchuk, I. Stakhiv, A. Gordeev, T. Pastushenko, T. Mironchuk ( <i>Taras Shevchenko National University of Kyiv "Institute of Geology"</i> )
16.45	<a href="#">[Mon25-175]</a> Assessment of soil and geological environment contamination caused by hostilities in Mykolaiv region as a result of Russian military aggression against Ukraine R. Havryliuk ( <i>Institute of Geological Sciences of the National Academy of Sciences of Ukraine</i> ), I. Tymchenko ( <i>Luhansk Taras Shevchenko National University department of horticulture and ecology Poltava</i> ), V. Karamushka ( <i>Department of Environmental Studies, National University of Kyiv-Mohyla Academy</i> ), *D. Krynska ( <i>Department of Ecology, Petro Mohyla Black Sea National University</i> ), O. Samkova ( <i>Ukrainian Laboratory of Quality and Safety of Agricultural Products, National University of Life and Environmental Science of Ukraine</i> )



17.00	<p><a href="#">[Mon25-202]</a> <b>Assessment and monitoring of environmental risks from soil contamination by heavy metals due to the war</b>  <b>A. Kucher</b> (<i>Lviv Polytechnic National University; National Scientific Center “Institute for Soil Science and Agrochemistry Research named after O. N. Sokolovsky”</i>), <b>*A. Honcharova</b> (<i>National Scientific Center “Institute for Soil Science and Agrochemistry Research named after O. N. Sokolovsky”</i>)</p>
17.15	<p><a href="#">[Mon25-209]</a> <b>Bioremediation of contaminated soils due to the influence of military actions to minimize and prevent negative changes in the soils condition</b>  <b>*V. Samokhvalova, O.Naidonova</b> (<i>National scientific center «Institute for soil science and agrochemistry research named after O.N. Sokolovsky» of Kharkiv</i>)</p>
17.30	



TUESDAY, APRIL 15 – HALL 1 / ВІВТОРОК, 15 КВІТНЯ – ЗАЛ 1

GEOHAZARDS MONITORING AND MITIGATION

МОНІТОРИНГ НЕБЕЗПЕЧНИХ ГЕОЛОГІЧНИХ ПРОЦЕСІВ ТА ЗАХОДИ ДЛЯ ЗАПОБІГАННЯ  
ТА МІНІМІЗАЦІЇ РИЗИКІВ

Session Chair: *Dr. Ivanik Olena, PhD Kravchenko Dmytro*

9.00	Morning coffee
9.30	<a href="#">[Mon25-008]</a> Modeling of stress-strain state of anisotropic lithosphere near the earthquake focus *M. Lubkov ( <i>Poltava Gravimetric Observatory of Geophysical Institute of NASU</i> )
9.45	<a href="#">[Mon25-144]</a> Slope processes after landslide in Dniprovsky Uzviz Street and Askold's Mohyla, Kyiv M. Reva, *E. Danyliuk ( <i>Taras Shevchenko National University of Kyiv</i> ), V. Tsapok ( <i>LLC «Inzhenerni vyshukuvannya»</i> )
10.00	<a href="#">[Mon25-018]</a> Geodetic monitoring of the metro station tracks and platform deformations during the pile foundation arrangement for the shopping and entertainment center V. Tytarenko ( <i>Zaporizhzhia Branch of the State Research Institute of Building Constructions</i> ), *A. Banakh ( <i>Zaporizhzhia National University</i> )
10.15	<a href="#">[Mon25-019]</a> The vibrodynamic monitoring of the subway trains and motor transport traffic influence during the shopping and entertainment center construction and operation *A. Banakh ( <i>Zaporizhzhia National University</i> ), I. Yakovenko ( <i>National University of Life and Environmental Sciences of Ukraine</i> ), *V. Banakh ( <i>Zaporizhzhia National University</i> ), V. Polevetskiy ( <i>Yuriy Fedkovych Chernivtsi National University</i> ), K. Meshkov, D. Shtokal ( <i>Zaporizhzhia National University</i> )
10.30	<a href="#">[Mon25-071]</a> Weakness zones on a slope within a landslide-prone area: a case study of the Mykilska Brama site, Kyiv *A. Streltsov, T. Kril ( <i>Institute of Geological Sciences of the National Academy of Science of Ukraine, Kyiv, Ukraine</i> )
10.45	<a href="#">[Mon25-172]</a> Assessment of Forest Cover Dynamics in Landslide-Prone Areas of the Ukrainian Carpathians Using Remote Sensing Data *V. Rushchak, I. Chepurnyi ( <i>Ivano-Frankivsk National Technical University of Oil and Gas</i> )
11.00	Coffee Break
11.15	<a href="#">[Mon25-122]</a> Application of physics informed neural networks to solving problems of the non-homogeneous elasticity in geological environment *M. V. Lavrenyuk, D. V. Kravchenko ( <i>Taras Shevchenko National University of Kyiv</i> )
11.30	<a href="#">[Mon25-136]</a> Risks caused by the development of karst processes in the context of environmental assessment of Solotvyno Town territory S. Kosharna, *S. Trush ( <i>Taras Shevchenko National University of Kyiv, Institute of Geology</i> )
11.45	<a href="#">[Mon25-066]</a> Being timely warned - being prepared to act: the basic principle of effective disaster risk management *V. Manukalo, N. Samojlenko ( <i>Ukrainian Hydrometeorological Institute, Kyiv, Ukraine</i> )
12.00	<a href="#">[Mon25-167]</a> Hydrological Geoinformation Modeling of River Basins in the Context of Mudflow Process Monitoring in Eastern Transcarpathia *T. Chepurna, Ya. Fedyk, I. Chepurnyi ( <i>Ivano-Frankivsk National Technical University of Oil and Gas</i> )
12.15	<a href="#">[Mon25-103]</a> Tectonic zonation as a basis for spatial landslide analysis L. Shtohryn, *B. Tkachuk, D. Kasiyanchuk ( <i>Ivano-Frankivsk National Technical University of Oil and Gas</i> )
12.30	<a href="#">[Mon25-026]</a> The new construction impact on the existing and new buildings settlements in Kyiv and its monitoring *V. Shekhovtsov, V. Malakhov ( <i>Odesa State Academy of Civil Engineering and Architecture</i> ), I. Myronenko ( <i>Odesa National Maritime University</i> ), V. Lytvynenko ( <i>Odesa National Maritime University</i> ), I. Bichev ( <i>Odesa State Academy of Civil Engineering and Architecture</i> ), H. Slobodianyuk ( <i>Odesa National Maritime University</i> )



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12.45	<a href="#">[Mon25-016]</a> Assessment of the deformation and dynamic state of slopes in the “Pechersk Lavra” reserve area and the risks of natural and man-made loadings *L. Tustanovska, V. Nesterovskiy ( <i>Taras Shevchenko National University of Kyiv</i> ), S. Taranenko, I. Cherevko ( <i>National Preserve «Kyiv-Pechersk Lavra»</i> )
13.00	Lunch Break
13.45	<a href="#">[Mon25-042]</a> Comprehensive monitoring of monuments of the National Conservation Area “St. Sophia of Kyiv” *N. M. Molochkova ( <i>National Conservation Area “St. Sophia of Kyiv”</i> ), L. O. Nishchuk ( <i>National Conservation Area “St. Sophia of Kyiv”</i> )
14.00	<a href="#">[Mon25-106]</a> Spatial-temporal patterns and influencing factors of erosion processes in Madagascar: a comprehensive approach to morphostructural analysis O. Ivanik ( <i>Taras Shevchenko National University of Kyiv, Kyiv, Ukraine; University of Cincinnati, Cincinnati, USA</i> )
14.15	<a href="#">[Mon25-038]</a> Geospatial Assessment of Landslide Susceptibility Using Overlay Analysis: A Case Study of Transcarpathian region (Volovets District) K. Hadiatska, *M. Petrenko, O. Ivanik, D. Kravchenko ( <i>Taras Shevchenko National University of Kyiv</i> )
14.30	<a href="#">[Mon25-061]</a> Analyzing geomorphological features of landslide susceptibility in the Middle Dnieper Region using Remote sensing and GIS *R. Vilkhovyi, S. Omokhovskiy ( <i>Taras Shevchenko National University of Kyiv</i> )
14.45	<a href="#">[Mon25-095]</a> Efficiency of nano-anatase (TiO <sub>2</sub> ) based sorbents for 137Cs and 90Sr removal from simulated NPP wastewaters solutions B .H. Shabalin ( <i>State Institution “The Institute of Environmental Geochemistry of National Academy of Sciences of Ukraine”</i> ), O. M. Lavrynenko ( <i>State Institution “The Institute of Environmental Geochemistry of National Academy of Sciences of Ukraine”</i> , I.M. Frantsevich Institute for Problems of Materials Science of National Academy of Sciences of Ukraine”), *K. K. Yaroshenko ( <i>State Institution “The Institute of Environmental Geochemistry of National Academy of Sciences of Ukraine”</i> , Institute of Geological Sciences of National Academy of Science of Ukraine), N. M. Mitsiuk ( <i>State Institution “The Institute of Environmental Geochemistry of National Academy of Sciences of Ukraine”</i> )
15.00	<a href="#">[Mon25-203]</a> Statistical modeling of radioactinide activity with cesium-137 and strontium-90 using the ANS neural network O. Shabatura, *L. Mazuryk ( <i>Taras Shevchenko National University of Kyiv</i> )
15.15	<a href="#">[Mon25-073]</a> Specifics of determining the hydraulic conductivity of heterogeneous soils using empirical formulas for the management and forecasting of groundwater conditions *K. D. Kurta, O. Y. Koshliakov ( <i>Taras Shevchenko National University of Kyiv</i> )
15.30	



TUESDAY, APRIL 15 – HALL 2 / ВІВТОРОК, 15 КВІТНЯ – ЗАЛ 2

MONITORING OF ENVIRONMENTAL AND ECONOMIC RISKS  
 МОНІТОРИНГ ЕКОЛОГІЧНИХ ТА ЕКОНОМІЧНИХ РИЗИКІВ

Session Chair: *Dr. Horoshkova Lidia*

9.00	<b>Morning coffee</b>
9.30	<a href="#">[Mon25-195]</a> <b>Stochastic analysis of organic water pollution risks in the lower Danube</b> <i>*V. Bezsonnyi (Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine; V. N. Karazin Kharkiv National University, Kharkiv, Ukraine), O. Tretyakov (State Non-Commercial Company «State University «Kyiv Aviation Institute»), A. Nekos (V. N. Karazin Kharkiv National University, Kharkiv, Ukraine), L. Plyatsuk (Sumy State University, Sumy, Ukraine), R. Ponomarenko (Institute of Scientific Research on Civil Protection of the National University of Civil Protection of Ukraine, Dmytrivka, Kyiv region,), O. Davydova (Simon Kuznets Kharkiv National University of Economics, Kharkiv, Ukraine)</i>
9.45	<a href="#">[Mon25-052]</a> <b>Environmental assessment of the war impact on the surface waters of the Dnipro River in the Zaporizhzhia city</b> <i>*L. Horoshkova (National university of “Kyiv-Mohyla academy”), O. Menshov (Taras Shevchenko National University of Kyiv), D. Maslov (National university of “Kyiv-Mohyla academy”), S. Horoshkov (Taras Shevchenko National University of Kyiv)</i>
10.00	<a href="#">[Mon25-188]</a> <b>Monitoring the state and quality of water in the Trubizh river within the city of Pereiaslav</b> <i>E. Dzyubenko, *M. Ihnatenko, S. Kucherenko, L. Marmul, L. Levaieva, I. Marushchak (Hryhorii Skovoroda University in Pereiaslav)</i>
10.15	<a href="#">[Mon25-189]</a> <b>Environmental impacts of dredging operations on the condition of surface waters of the Danube River</b> <i>*L. Horoshkova, V. Zaitsev, I. Ryshykov (National university of “Kyiv-Mohyla academy”), T. Shovkopliias (Taras Shevchenko National University of Kyiv)</i>
10.30	<a href="#">[Mon25-220]</a> <b>Practical evaluation of the effectiveness of different samplers for microplastic analysis in seafloor sediments</b> <i>N. Fedoronchuk, Y. Nasiedkin, T. Kukovska (SSI MariGeoEcoCenter NAS of Ukraine (MGEC), Ukraine)</i>
10.45	<a href="#">[Mon25-141]</a> <b>Assessment of water resources needs for irrigation development under climate change in Ukraine</b> <i>S. Shevchuk (Boris Sresnevsky Central Geophysical Observatory), *T. Matiash (Institute of Water Problems and Land Reclamation), A. Krucheniuk (Boris Sresnevsky Central Geophysical Observatory)</i>
11.00	<b>Coffee Break</b>
11.15	<a href="#">[Mon25-087]</a> <b>Geocological consequences of the war for the steppe zone of the northwestern Azov Region (based on the example of the Pryazovskyi National Nature Park)</b> <i>*L. Horoshkova, Y. Korniiichuk (National university of “Kyiv-Mohyla academy”), S. Horoshkov (Taras Shevchenko National University of Kyiv)</i>
11.30	<a href="#">[Mon25-147]</a> <b>Post-project monitoring of irrigation influence on soil condition</b> <i>* A. Shevchenko, R. Bozhenko, Y. Mosiichuk (Institute of Water Problems and Land Reclamation of the National Academy of Agrarian Sciences)</i>
11.45	<a href="#">[Mon25-050]</a> <b>The group of protected anthropogenic geological and geomorphological objects of Podillia</b> <i>*V. V. Kanska (Vinnytsia Mykhailo Kotsiubynskyi State Pedagogical University), L. O. Bezlatnia (Pavlo Tychyna Uman State Pedagogical University), A. V. Lebedovskyi (Vinnytsia Mykhailo Kotsiubynskyi State Pedagogical University)</i>
12.00	<a href="#">[Mon25-223]</a> <b>Soil-to-plant transfer of <sup>137</sup>Cs in forest ecosystems: a case study from the Drevlyansky Nature Reserve</b> <i>*V. Ustymenko, L. Demchuk, I. Davydova, M. Korbut (Zhytomyr Polytechnic State University), O. Kratiuk (Polissia National University)</i>



12.15	<a href="#">[Mon25-035]</a> <b>Monitoring of environmental and economic risks in the regulation of the agricultural land market in times of war</b> *O. I. Rybina, N. O. Kapinos, V. V. Honcharov, N. I. Prokopenko, V. S. Kovalchuk ( <i>Sumy National Agrarian University</i> )
12.30	<a href="#">[Mon25-046]</a> <b>Formation of the natural and ecological framework of land use at the regional level: methodological and methodological approaches</b> A. Tretiak ( <i>Bila Tserkva National Agrarian University</i> ), V. Tretiak, N. Kapinos, V. Strelnyk, *N. Petrova ( <i>Sumy National Agrarian University</i> )
12.45	<a href="#">[Mon25-208]</a> <b>Modeling Soil Erosion and Approaches to Loss Minimization</b> A. Kot ( <i>V.N. Karazin Kharkiv National University</i> )
13.00	<b>Lunch Break</b>
13.45	<a href="#">[Mon25-212]</a> <b>Monitoring the impact of agricultural land use on the environment</b> S. Bortnyk ( <i>Taras Shevchenko National University of Kyiv; Jan Kochanowski University of Kielce, Poland</i> ), *T. Lavruk, O. Pidkova ( <i>Taras Shevchenko National University of Kyiv</i> ), L. Tymuliak ( <i>Institute of Geography of the National Academy of Sciences of Ukraine</i> ), T. Pryimak, O. Voitsekhovska ( <i>Taras Shevchenko National University of Kyiv</i> )
14.00	<a href="#">[Mon25-192]</a> <b>Mapping Degradation Hotspots of Highlands Geocomplexes in Chornohora under Recreational Pressure around Nesamovyte Lake (Ukrainian Carpathians)</b> *M. Karabiniuk, M. Saliuk ( <i>Uzhhorod National University</i> ), O. Burianyk ( <i>Ivan Franko National University of Lviv</i> ), Z. Hostiuk ( <i>Hutsulshchyna National Nature Park</i> ), V. Lutso ( <i>Uzhhorod National University</i> )
14.15	<a href="#">[Mon25-226]</a> <b>Risks of the information system for mobile monitoring of marine waters and coastal zones</b> *V. M. Trysnyuk, V. O. Shumeyko ( <i>Institute of Telecommunications and Global Information Space of the National Academy of Sciences of Ukraine</i> ), V. Yu. Tymchuk ( <i>Hetman Petro Sahaidachyi National Army Academy</i> ), O. O. Konetska, E. Yu. Pashchenko ( <i>Institute of Applied Control Systems of the NAS of Ukraine</i> )
14.30	<a href="#">[Mon25-187]</a> <b>Methods of environmental monitoring, analysis and assessment of the consequences of military actions</b> O. Maslak, *Y. Yakovenko ( <i>Kremenchuk Mykhailo Ostrohradskyi National University</i> ), M. Maslak ( <i>National Technical University Kharkiv Polytechnic Institute</i> ), O. Hlazunova, N. Hryshko, D. Pirogov ( <i>Kremenchuk Mykhailo Ostrohradskyi National University</i> )
14.45	<a href="#">[Mon25-107]</a> <b>Monitoring Economic Risks of the Security System Under Martial Law in Ukraine</b> *A. Yakymchuk, L. Kuzmych ( <i>Kherson State Agrarian and Economic University</i> ), M. Shvets ( <i>National University of Water and Environmental Engineering</i> ), N. Ostapiuk ( <i>Kyiv National Economic University named after Vadym Hetman</i> ), O. Zayachkivska, O. Savytska ( <i>National University of Water and Environmental Engineering</i> )
15.00	<a href="#">[Mon25-094]</a> <b>Applicability of the deep borehole concept for radioactive waste disposal in Ukraine</b> *I. Shybetskyi ( <i>State Institution «Radioenvironmental Centre of National Academy of Sciences of Ukraine»</i> ), I. Koliabina, K. Yaroshenko ( <i>Institute of Geological Sciences National Academy of Sciences of Ukraine</i> ), N. Shurpach, T. Borysova ( <i>State Institution «Radioenvironmental Centre of National Academy of Sciences of Ukraine»</i> )
15.15	<a href="#">[Mon25-101]</a> <b>Innovative marketing technologies in the management of critical mineral resources: challenges and prospects</b> M. Shestakov ( <i>Taras Shevchenko National University of Kyiv</i> )
15.30	



TUESDAY, APRIL 15 – HALL 3 / ВІВТОРОК, 15 КВІТНЯ – ЗАЛ 3

GEOGRAPHIC INFORMATION SYSTEMS AND TECHNOLOGIES

ГЕОІНФОРМАЦІЙНІ СИСТЕМИ І ТЕХНОЛОГІЇ

Session Chair: *PhD Demidov Vsevolod*

9.00	Morning coffee
9.30	<a href="#">[Mon25-109]</a> Water balance assessment using Google Earth Engine: case of the Dniester River Basin L. Davybida ( <i>Ivano-Frankivsk National Technical University of Oil and Gas</i> )
9.45	<a href="#">[Mon25-221]</a> Assessment of changes in the water surface area of the Shatsk lakes using GIS tools A. Prokopchuk, *O. Yanchuk ( <i>National University of Water and Environmental Engineering, Rivne, Ukraine</i> ), V. Martyniuk ( <i>Rivne State University of Humanities, Rivne, Ukraine</i> ), A. Lishchynskiy, Z. Nakonechna, N. Liuba ( <i>National University of Water and Environmental Engineering, Rivne, Ukraine</i> )
10.00	<a href="#">[Mon25-097]</a> Data-driven approach to updating crop water demand rates in Ukraine *T. V. Matiash, Ya. O. Butenko, V. M. Popov, N. V. Soroka, A. F. Salyuk, A. M. Smirnov ( <i>Institute of Water Problems and Land Reclamation of NAAS</i> )
10.15	<a href="#">[Mon25-014]</a> Mapping microclimate regulation in a Jeruzale neighbourhood, Vilnius (Lithuania) *P. Pereira, L. Pinto, M. Inacio ( <i>Mykolas Romeris University</i> )
10.30	<a href="#">[Mon25-156]</a> Geospatial data infrastructure for land monitoring in Ukraine *M. Malashevskiy, A. Tarnopolskiy ( <i>The National Academy of Agrarian Sciences of Ukraine</i> ), I. Kovalchuk, *O. Malashevskaya ( <i>National University of Life and Environmental Sciences of Ukraine</i> ), Y. Tarnopolskiy ( <i>The National Academy of Agrarian Sciences of Ukraine</i> )
10.45	<a href="#">[Mon25-154]</a> Geoinformation support for fire occurrence analysis: A case study of the Rivne Nature Reserve A. Prokopchuk, *V. Korbutiak, A. Lahodniuk, T. Bukhalska ( <i>National University of Water and Environmental Engineering</i> )
11.00	Coffee Break
11.15	<a href="#">[Mon25-132]</a> Modeling of the geographic information system for environmental monitoring O. Pomortseva, *V. Pankiv ( <i>V.N. Karazin Kharkiv National University</i> ), S. Kobzan ( <i>O.M. Beketov National University of Urban Economy in Kharkiv</i> )
11.30	<a href="#">[Mon25-067]</a> Remote sensing data-based analysis of the urban heat island phenomenon (case study in Kyiv) *S. Hlushchenko, Ye. Tsyhanok, Y. Temchenko ( <i>Taras Shevchenko National University of Kyiv</i> )
11.45	<a href="#">[Mon25-120]</a> Remote sensing-based quantitative assessment of vegetation dynamics in terrestrial ecosystems affected by the Kakhovka HPP destruction O. I. Lysenko ( <i>Teaching and Scientific Institute of Telecommunications Systems of Igor Sikorsky Kyiv Polytechnic Institute</i> ), E. O. Yakovlev ( <i>Institute of Telecommunications and Global Information Space of the National Academy of Sciences of Ukraine</i> ), S. M. Chumachenko ( <i>State Research Institute of Aviation of the Ministry of Defense of Ukraine</i> ), *I. O. Honcharenko ( <i>Sumy State University</i> ), I. O. Savchenko ( <i>National University of Food Technologies</i> )
12.00	<a href="#">[Mon25-182]</a> Geoinformation and cartographic support of water resources management on the example of the Tysa river basin V. V. Leta ( <i>Mukachevo state university</i> ), M. M. Mykyta, M. R. Salyuk, *V. V. Chyniak ( <i>Uzhhorod National University</i> )
12.15	<a href="#">[Mon25-150]</a> Geoinformation modelling of anthropogenic land transformation within the Rata River basin L. P. Kurhanevych ( <i>Ivan Franko National University of Lviv</i> ), I. P. Kovalchuk ( <i>National University of Life and Environmental Sciences of Ukraine</i> ), Yu. M. Andreychuk, O. Y. Blazhivska, *N. O. Vanyo ( <i>Ivan Franko National University of Lviv</i> )
12.30	<a href="#">[Mon25-176]</a> Monitoring coastline variability using global tidal model and Sentinel-2 imagery *R. Okhrimchuk, V. Demidov, K. Sliusar ( <i>Taras Shevchenko National University of Kyiv</i> )



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12.45	<a href="#">[Mon25-047]</a> <b>Monitoring using UAVs in precision farming technologies</b> *M. Samko, V. Zatserkovnyi, V. Vorokh ( <i>Taras Shevchenko National University of Kyiv</i> ), I. Tsyguliov ( <i>National University of Bioresources and Nature Management of Ukraine</i> ), A. Ilchenko ( <i>Taras Shevchenko National University of Kyiv</i> )
13.00	<b>Lunch Break</b>
13.45	<a href="#">[Mon25-029]</a> <b>Geoinformation mapping of the nature reserve fund of Ukraine: research results and prospects</b> *M. Kyrlyliuk ( <i>Scientific Hydrophysical Center of the National Academy of Sciences of Ukraine</i> ), E. Bondarenko ( <i>Taras Shevchenko National University of Kyiv</i> )
14.00	<a href="#">[Mon25-179]</a> <b>Geospatial integration of different types of geological data using Micromine Origin &amp; Beyond</b> N. Safronova ( <i>Softmine LLC</i> )
14.15	<a href="#">[Mon25-200]</a> <b>Transboundary cooperation for landscape planning and environmental monitoring</b> L. Bilous, O. Havrylenko, *A. Slipchuk ( <i>Taras Shevchenko National University of Kyiv</i> )
14.30	<a href="#">[Mon25-185]</a> <b>Generation of soil trafficability maps in QGIS</b> *M. V. Bortsova, O. O. Shyt, I. A. Taran, O. V. Vorobiov, S.A. Bezverkhyi ( <i>Ivan Kozhedub Kharkiv National Air Force University</i> )
14.45	<a href="#">[Mon25-204]</a> <b>Monitoring of post-mining phytotoxic areas to determine natural regeneration by remote methods</b> O. Masiuk, *Y. Tantsurina ( <i>Oles Honchar Dnipro National University</i> )
15.00	<a href="#">[Mon25-207]</a> <b>The use of geoinformation technologies for the analysis of spatiotemporal changes in natural components and the possibility of using data in environmental monitoring</b> *O. Taranovych, O. Pidkova ( <i>Taras Shevchenko National University of Kyiv</i> )
15.15	



<b>MONITORING OF AQUATIC ENVIRONMENT AND ATMOSPHERIC AIR</b> <b>МОНІТОРИНГ ВОДНОГО СЕРЕДОВИЩА ТА АТМОСФЕРНОГО ПОВІТРЯ</b> Session Chair: <i>Dr. Koshliakov Oleksii, PhD Kosharna Sofia</i>	
9.00	<b>Morning coffee</b>
9.30	<a href="#">[Mon25-088]</a> Environmental monitoring of groundwater from the "Centralna" coal mine in eastern Ukraine <i>O. Bohomaz (Technical University "Metinvest Polytechnic" LLC), *Y. Zbykovskyy, I. Shvets (Donetsk National Technical University)</i>
9.45	<a href="#">[Mon25-089]</a> Monitoring the quality of groundwater from wells in the Pokrovsk District of Donetsk region <i>*I. Shvets, Y. Zbykovskyy (Donetsk National Technical University), O. Bohomaz (Technical University "Metinvest Polytechnic" LLC)</i>
10.00	<a href="#">[Mon25-224]</a> Increasing the reliability of water supply to the population during possible natural and man-made emergencies or the introduction of martial law through protected groundwater (for Ukrainian cities with a population of over 100 thousand people) <i>Yu. Rudenko, N. Yurkova, *V. Saprykin, O. Gural (State Institution "Radioenvironmental Centre of National Academy of Sciences of Ukraine")</i>
10.15	<a href="#">[Mon25-009]</a> Monitoring of eutrophication of lakes in Volyn Polissya (on the example of Lake Turske) <i>*V. Fesyuk (Lesya Ukrainka Volyn National University), I. Moroz, M. Fedonyuk (Lutsk National Technical University), S. Polianskyi (Lesya Ukrainka Volyn National University)</i>
10.30	<a href="#">[Mon25-017]</a> Monitoring seasonal water physico-chemical conditions in Cedronas urban lake (Vilnius, Lithuania) <i>*P. Pereira, L. Pinto, E. Baltranaite, M. Meisutovic-Akhtarieva, M. Inacio (Mykolas Romeris University)</i>
10.45	<a href="#">[Mon25-020]</a> Monitoring the chemical composition of potable groundwater in Kherson in pre-war times <i>*T. Koshliakova, I. Kuraieva (M. P. Semenenko Institute of geochemistry, mineralogy and ore formation of the National Academy of Sciences of Ukraine)</i>
11.00	<b>Coffee Break</b>
11.15	<a href="#">[Mon25-001]</a> Assessment of the Styr River water quality according to the criteria of the content of specific substances <i>*P. M. Kuznietsov, O. O. Biedunkova, I. I. Statnyk (National University of Water and Environmental Engineering, Rivne, Ukraine)</i>
11.30	<a href="#">[Mon25-002]</a> Dynamics of the area of the Shatsk Lakes over a long-term period based on remote sensing data in connection with fluctuations in their level <i>V. K. Khilchevskyy, *L. V. Plichko (Taras Shevchenko National University of Kyiv), M. R. Zabokrytska (Lesya Ukrainka Volyn National University), N. P. Sherstiuk (Kryvyi Rih State Pedagogical University)</i>
11.45	<a href="#">[Mon25-123]</a> Biogenic Elements of Lake Sediments as Indicators of Natural and Anthropogenic Processes <i>*O. V. Ilyina, L. V. Ilyin (Lesya Ukrainka Volyn National University)</i>
12.00	<a href="#">[Mon25-133]</a> Remote monitoring of changes in the geo-ecological condition of lakes in Ukrainian Polissia <i>I. Kovalchuk (National University of Life and Environmental Sciences of Ukraine, Kyiv, Ukraine), V. Martyniuk (Rivne State University of Humanities, Rivne, Ukraine), T. Pavlovska (Lesya Ukrainka Volyn National University, Lutsk, Ukraine), I. Zubkovych (Nobel National Nature Park, Nobel, Ukraine), *V. Korbutiak (National University of Water and Environmental Engineering, Rivne, Ukraine), B. Zhdanyuk (Dubno Branch Higher Education Institution «Open International University of Human Development «Ukraine», Dubno, Ukraine)</i>
12.15	<a href="#">[Mon25-139]</a> Assessment of water quality indicators on the territory of the oil products storage base <i>*D. O. Lynnyk, H. M. Hrytsuliak, A. O. Kotsyubynsky, T. M. Marych, V. Ya. Shymanskyi, O. V. Bodnarchuk (Ivano-Frankivsk National Medical University)</i>



12.30	<a href="#">[Mon25-049]</a> Investigation of water eutrophication processes in the Sofiyivka Reservoir using RS (remote sensing) and GIS N. Magas, * K. Isaieva ( <i>Admiral Makarov National University of Shipbuilding</i> )
12.45	<a href="#">[Mon25-190]</a> Preliminary assessment of the water content of the rivers of Transcarpathia for the development of water management projects M. Goptsiy ( <i>Taras Shevchenko National University of Kyiv</i> )
13.00	Lunch Break
13.45	<a href="#">[Mon25-216]</a> Hydromorphological indicators as a basis for assessing changes and the possibility of restoring aquatic ecosystems N. O. Ivanova ( <i>Institute of Hydrobiology, NAS of Ukraine, Kyiv, Ukraine</i> )
14.00	<a href="#">[Mon25-056]</a> Historical puzzles of the Dnipro River V. I. Vyshnevskiy ( <i>Kyiv Aviation Institute, Central Geophysical Observatory</i> )
14.15	<a href="#">[Mon25-072]</a> Justification of groundwater share in water supply to the population of Ukraine *N. Lyuta, I. Sanina ( <i>State Institution "Radioenvironmental Centre of National Academy of Sciences of Ukraine"</i> )
14.30	<a href="#">[Mon25-137]</a> Experience in optimizing the process of practical application of mathematical modeling of groundwater flows *O. Dyniak, O. Koshliakov, I. Koshliakova ( <i>Taras Shevchenko National University of Kyiv</i> )
14.45	<a href="#">[Mon25-083]</a> Ecological assessment of groundwater quality based on the results of monitoring of springs in the city of Kharkiv (Ukraine) *N. Maksymenko, V. Peresadko, B. Chernikov, O. Peresadko, A. Krotko ( <i>V. N. Karazin Kharkiv National University</i> )
15.00	<a href="#">[Mon25-108]</a> Post-war reconstruction plan for hydromeliorative systems in Ukraine A. Kuzmych, A. Rokochynskiy, S. Kuzmych, *N. Prykhodko ( <i>National University of Water and Environmental Engineering</i> )
15.15	<a href="#">[Mon25-080]</a> Analysis of increasing 90Sr migration with groundwater from the Chernobyl NPP *I. Kovalenko, M. Panasiuk, N. Sosonna ( <i>Institute for Safety Problems of Nuclear Power Plants National Academy of Sciences of Ukraine</i> ), M. Buzynnyi ( <i>O. M. Marzeyev Institute of Public Health, Ukraine</i> ), I. Onyshchenko ( <i>Institute of Geological Science of Ukraine National Science Academy, Ukraine</i> ), L. Spasyonova ( <i>National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine</i> )
15.30	<a href="#">[Mon25-081]</a> Study of hydrogeological and hydrogeochemical conditions of the Kalush-Golynsky potash deposit *Ya. Malkova ( <i>State Institution "Institute of Environmental Geochemistry of the National Academy of Sciences of Ukraine"</i> ), M. Panasiuk, N. Sosonna ( <i>Institute for Safety Problems of Nuclear Power Plants National Academy of Sciences of Ukraine</i> ), S. Bagriy ( <i>Ivano-Frankivsk National Technical University of Oil and Gas</i> ), I. Kovalenko ( <i>Institute for Safety Problems of Nuclear Power Plants National Academy of Sciences of Ukraine</i> )
15.45	Coffee Break
16.00	<a href="#">[Mon25-148]</a> Hydrogeological and environmental aspects of groundwater use within Katanske village in Sumy region D. Chomko, S. Kosharna, *D. Zelenina ( <i>Taras Shevchenko National University of Kyiv</i> )
16.15	<a href="#">[Mon25-110]</a> Analysis of vertical channel deformations of rivers on the left bank of the Dnipro (within Ukraine) O. Obodovskiy ( <i>Taras Shevchenko National University of Kyiv</i> ), A. Fedenko ( <i>Ministry of Environmental Protection and Natural Resources of Ukraine</i> ), *V. Korniienko ( <i>Ukrainian Hydrometeorological Center</i> )
16.30	<a href="#">[Mon25-113]</a> The Hydrographic Network of the Left Bank of the Middle Dnipro: Historical Dynamics and Current State *S. P. Sarnavskiy ( <i>Poltava V.G. Korolenko National Pedagogical University</i> ), V. V. Grebin ( <i>Taras Shevchenko National University of Kyiv</i> )
16.45	



MONITORING OF ENVIRONMENTAL AND ECONOMIC RISKS  
 МОНИТОРИНГ ЕКОЛОГІЧНИХ ТА ЕКОНОМІЧНИХ РИЗИКІВ

Session Chair: *Dr. Horoshkova Lidia*

9.00	Morning coffee
9.30	<a href="#">[Mon25-170]</a> Life of Mine Plan preparation using optimization and strategic planning algorithms <i>N. Bariatska (Softmine LLC)</i>
9.45	<a href="#">[Mon25-010]</a> Analysing the ability of green spaces to mitigate the effects of Urban Heat Islands <i>*T. Kupach, S. Demianenko, S. Haidai, Y. Olishevskaya (Taras Shevchenko National University of Kyiv)</i>
10.00	<a href="#">[Mon25-044]</a> Modeling and Forecasting Environmental and Economic Risks of Enterprises in the Context of Natural Resource Management <i>U. Andrusiv (Ivano-Frankivsk National Technical University of Oil and Gas), A. Cherchata, *Yu. Orlovska (SEI «Prydniprovsk State Academy of Civil Engineering and Architecture» Ukrainian State University of Science and Technologies)</i>
10.15	<a href="#">[Mon25-165]</a> Environmental assessment of the implementation of a local wastewater treatment system at Korostyshiv Paper Mill LLC <i>L. Demchuk, *V. Ustymenko, I. Davydova, M. Korbut (Zhytomyr Polytechnic State University), M. Matusyak (Vinnytsia National Agrarian University)</i>
10.30	<a href="#">[Mon25-143]</a> Recycling Potential of Waste from the Zavallivsk Graphite Deposit for Ukraine’s Post-War Reconstruction <i>*I. Kravtsova (Uman National University of Horticulture), O. Sytnyk (Pavlo Tychyna Uman State Pedagogical University), V. Nikolaievskiy (TOV "ZAVALLIVSKYY HRAFIT"), B. Denysyk (Vinnytsia Mykhailo Kotsiubynskiy State Pedagogical University)</i>
10.45	<a href="#">[Mon25-162]</a> Investment attractiveness of the main copper occurrences of the Volyn ore region <i>V. Mykhailov, O. Andreeva, *V. Sydoruk (Taras Shevchenko National University of Kyiv)</i>
11.00	Coffee Break
11.15	<a href="#">[Mon25-118]</a> Mathematical model of the ecological process on the basis of ordinary differential equations <i>O. Mandryk, A. Olijnyk, *M. Khovanets, I. Tuts, B. Karpinskyi (Ivano-Frankivsk National Technical University of Oil and Gas)</i>
11.30	<a href="#">[Mon25-152]</a> Revitalization as a component of monitoring studies of disturbed ecosystems <i>T. Luzhanska, N. Pyatka, V. Leta, G. Iltyo (Mukachevo state university), *P. Kucher (Ivan Boberskiy Lviv State University of Physical Culture)</i>
11.45	<a href="#">[Mon25-177]</a> Utilization and post-treatment of domestic wastewater in the coastal recreational zone of Ukraine <i>V. O. Turchenyuk, *S. M. Kozishkurt (National University of Water and Environmental Engineering)</i>
12.00	<a href="#">[Mon25-153]</a> Scientific and methodological approach to assessing and forecasting sustainable energy development of Ukraine <i>*O. Komelina (National University «Yuri Kondratyuk Poltava Polytechnic»), A. Komelina, M. Lysenko (National University «Yuri Kondratyuk Poltava Polytechnic»)</i>
12.15	<a href="#">[Mon25-121]</a> Assessment of resilience and recovery potential of regional ecosystems under extreme conditions and sustainable management models <i>*O. Komelina, S. Shcherbinina, H. Kondratieva (National University «Yuri Kondratyuk Poltava Polytechnic»)</i>
12.30	



<b>AEROSPACE METHODS OF MONITORING</b> <b>АЕРОКОСМІЧНІ МЕТОДИ МОНІТОРИНГУ</b> <b>Session Chair: Dr. Zatserkovnyi Vitalii, PhD Plichko Ludmyla</b>	
14.00	<a href="#">[Mon25-104]</a> Assessment of provisioning ecosystem services of agricultural lands using batch processing of Sentinel-1 time series data <b>V. Udovychenko</b> ( <i>Taras Shevchenko National University of Kyiv</i> )
14.15	<a href="#">[Mon25-058]</a> Monitoring of the Chernobyl Exclusion Zone by remote sensing methods and projection of the radiohydroecological situation in its territory <b>*O. T. Azimov, O. V. Tomchenko</b> ( <i>Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine</i> ), <b>S. I. Kireev</b> ( <i>State Specialized Enterprise "Ecocentre"</i> ), <b>Ye. M. Dorofey</b> ( <i>Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine</i> )
14.30	<a href="#">[Mon25-040]</a> Land surface emissivity estimation technique based on NDVI/ASTER GED data correlation <b>*M. Lubskiy, A. Khyzhniak, I. Piestova, T. Orlenko</b> ( <i>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> )
14.45	<a href="#">[Mon25-054]</a> Gaussian Process Regression for D-InSAR Analysis of Vertical Surface Displacements Above Underground Structures <b>*V. Hudak</b> ( <i>Taras Shevchenko National University of Kyiv</i> ), <b>T. Kril</b> ( <i>Institute of Geological Sciences of the NAS of Ukraine</i> )
15.00	<a href="#">[Mon25-059]</a> Identification of paleocoasts on the Northwestern Black Sea Shelf using Sentinel-2 satellite data and water indices <b>V. Iemelianov, *T. Melnychenko, M. Ievlev, V. Golovatyi</b> ( <i>State scientific institution "Center for problems of marine geology, geoecology and sedimentary ore formation of the National academy of sciences of Ukraine"</i> )
15.15	<a href="#">[Mon25-129]</a> EO-Based Classification of Water-Related Ecosystems Using Surface Water Occurrence Analysis: A Case Study of the Dnipro River Delta <b>A. Kozlova, A. Andreiev, *M. Tymchyshyn, L. Lischenko</b> ( <i>Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine</i> ), <b>M. Prokopuk</b> ( <i>Institute for Evolutionary Ecology, National Academy of Sciences of Ukraine</i> )
15.30	<a href="#">[Mon25-062]</a> Monitoring of hydrocarbon pollution in the Black Sea and the Sea of Azov using remote sensing methods <b>*B. Tsibenko, T. Malik, D. Liashenko, I. Tsiupa, V. Kravchenia, O. Tsvyk</b> ( <i>Taras Shevchenko National University of Kyiv</i> )
15.45	<a href="#">[Mon25-070]</a> Spatial analysis of wildfire occurrence in the Emerald Network sites of Volyn and Zhytomyr Polissia (2012-2024) <b>*M. Fedoniuk</b> ( <i>Lutsk National Technical University</i> ), <b>I. Kovalchuk</b> ( <i>National University of Life and Environmental Sciences of Ukraine</i> ), <b>V. Fesyuk</b> ( <i>Lesya Ukrainka Volyn National University</i> ), <b>V. Fedoniuk</b> ( <i>Lutsk National Technical University</i> ), <b>O. Zhadko</b> ( <i>Lutsk National Technical University</i> )
16.00	<a href="#">[Mon25-030]</a> Forest fire hazard forecasting model based on open remote sensing data <b>I. D. Denkov</b> ( <i>V.M. Glushkov Institute of Cybernetics of National Academy of Sciences of Ukraine</i> )
16.15	<a href="#">[Mon25-112]</a> Evapotranspiration process assessment over the territory of Ukraine based on satellite data <b>L. A. Yelistratova, A. A. Apostolov, A. Ya. Khodorovskyi, *I. M. Onopchuk, Y. V. Zakharchuk</b> ( <i>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> )
16.30	



**WEDNESDAY, APRIL 16 – HALL 3 / СЕРЕДА, 16 КВІТНЯ – ЗАЛ 3**

**GEOPHYSICS IN ENGINEERING GEOLOGY, SOIL SCIENCE, ARCHAEOLOGY, ECOLOGY  
ГЕОФІЗИКА В ІНЖЕНЕРНІЙ ГЕОЛОГІЇ, ҐРУНТОЗНАВСТВІ, АРХЕОЛОГІЇ, ЕКОЛОГІЇ**

Session Chair: *Dr. Bondar Ksenia, Dr. Menshov Oleksandr*

<b>9.00</b>	<b>Morning coffee</b>
<b>9.30</b>	<a href="#">[Mon25-032]</a> Environmental trends in southern Ukraine over the last 450 ka: A multi-proxy study of the Sanzhiyka loess-palaeosol sequence *D. Hlavatskyi (Institute of Geophysics, NAS of Ukraine), O. Bonchkovskyi (Institute of Geography, NAS of Ukraine), V. Bakhmutov, S. Cherkes (Institute of Geophysics, NAS of Ukraine), I. Kravchuk (Taras Shevchenko National University of Kyiv), I. Poliachenko (Institute of Geophysics, NAS of Ukraine)
<b>9.45</b>	<a href="#">[Mon25-043]</a> Magnetic survey and archaeological research of the Iliv hillfort in Lviv region *R. Kuderavets (Carpathian Branch of Subbotin Institute of Geophysics of the NAS of Ukraine), A. Havinskyi (Ivan Krypiakevych Institute of Ukrainian Studies of the NAS of Ukraine), I. Chobotok (Carpathian Branch of Subbotin Institute of Geophysics of the NAS of Ukraine), A. Vivat (Lviv Polytechnic National University), N. Pyrizhok (Carpathian Branch of Subbotin Institute of Geophysics of the NAS of Ukraine)
<b>10.00</b>	<a href="#">[Mon25-082]</a> Slow vertical land motions at the geodynamic polygon in Poltava during 1987-2020 *V. G. Pavlyk, A. M. Kutnyi, T. M. Babych (Poltava Gravimetric Observatory of the Subbotin Institute of Geophysics of the National Academy of Science of Ukraine)
<b>10.15</b>	<a href="#">[Mon25-085]</a> Patterns of distribution of soil magnetic susceptibility in agricultural and natural landscapes O. Kruglov (NSC "Institute of Soil Science and Agrochemistry Research named after O.N. Sokolovsky" UAAS), *O. Menshov (Taras Shevchenko National University of Kyiv), B. Kruhlov (Scientific Research and Design Institute PJSC "Ukrnafta")
<b>10.30</b>	<a href="#">[Mon25-102]</a> Challenges of using gravity and magnetic fields for defining potential gas fields in Solotvyno depression (Transcarpathian) D. Akimova (Taras Shevchenko National University of Kyiv)
<b>10.45</b>	<a href="#">[Mon25-105]</a> Effectiveness and application of GPR in demining of territories from explosive objects *E. Talatynnyk, V. Onyshchuk (Taras Shevchenko National University of Kyiv), T. Bilyi, Y. Poliachenko (S.I. Subbotin Institute of Geophysics of the National Academy of Sciences of Ukraine)
<b>11.00</b>	<b>Coffee Break</b>
<b>11.15</b>	<a href="#">[Mon25-111]</a> Identification of areas of high humidity using a set of electrometric methods on the territory of section of the guest courtyard of the Kyiv Pechersk Lavra D. Bezrodnyi (Taras Shevchenko National University of Kyiv), I. Cherevko (National Reserve "Kyiv-Pechersk Lavra"), O. Korbutiak (LLC GEOFIZTEKS), *A. Lakko (Taras Shevchenko National University of Kyiv)
<b>11.30</b>	<a href="#">[Mon25-115]</a> Monitoring the environmental and geological-geophysical situation in the Ukrainian-Polish border area using satellite data *Yu. Starodub, B. Mykhalichko (L'viv State University of Life Safet), H. Połcik (Foundry Research Institute, Kraków, Poland), A. Havrys (L'viv State University of Life Safety), B. Kuplyovskiyi (Institute of Geophysics, National Academy of Sciences, Ukraine), O. Kozionova (Taras Shevchenko National University of Kyiv)
<b>11.45</b>	<a href="#">[Mon25-116]</a> Monitoring of soils' geochemical pollution near TPP ash dumps V. Klos (SE "Ukrainian geological company"), A. Mienasova (Taras Shevchenko National University of Kyiv), M. Heichenko (LLC "Ukr lithium mining"), *M. Smyrny (Institute of Geochemistry, Mineralogy and Ore Formation NAS Ukraine. AM.)
<b>12.00</b>	<a href="#">[Mon25-134]</a> Assessment of the agrophysical condition of chernozem typical under sustainable agricultural use practices O. L. Tonkha, O. V. Pikovska, *V. M. Kozak, D. V. Litvinov, D. M. Ruden (National University of Life and Environmental Sciences of Ukraine)



12.15	<a href="#">[Mon25-138]</a> Device for monitoring deformation of engineering structural elements of hydro technical structures with soil foundations *Y. A. Onanko ( <i>Institute of Water Problems and Land Reclamation NAAS</i> ), O. P. Dmytrenko, A. P. Onanko, T. M. Pinchuk-Rugal, M. P. Kulish ( <i>Taras Shevchenko National University of Kyiv</i> ), P. P. Il'in ( <i>National University of Life and Environmental Sciences of Ukraine</i> )
12.30	<a href="#">[Mon25-163]</a> Assessment of air pollution in Kyiv (2015-2018) based on magnetic and chemical analysis of air filters *I. Tsiupa ( <i>Institute of Geology Taras Shevchenko National University of Kyiv</i> ), K. Bondar ( <i>Institute of Geophysics, Polish Academy of Sciences</i> )
12.45	<a href="#">[Mon25-213]</a> Soil Bulk Density Parameters in Areas of Intensive Hydrocarbons Extraction D. Semenov, *A. Shemet ( <i>NSC "Institute for Soil Science and Agrochemistry Research named after O.N. Sokolovsky"</i> )
13.00	<a href="#">[Mon25-037]</a> Exploring D-InSAR Technology for Monitoring Soil Erosion: Case Study in Kharkiv Region *O. Kruglov ( <i>NSC "Institute of Soil Science and Agrochemistry Research named after O.N. Sokolovsky"</i> ), V. Hudak ( <i>Taras Shevchenko National University of Kyiv</i> ), B. Kruhlov ( <i>Scientific Research and Design Institute PJSC "Ukrnafta"</i> )
13.15	<a href="#">[Mon25-057]</a> Soil monitoring in precision farming technologies V. Zatserkovnyi, V. Vorokh, *O. Hloba, T. Mironchuk, I. Siuiva ( <i>Taras Shevchenko National University of Kyiv</i> )
13.30	<a href="#">[Mon25-015]</a> Geoinformation modeling of the risk of water erosion of soils A. Achasov ( <i>V. N. Karazin Kharkiv National University</i> ), A. Achasova ( <i>Research Institute for Soil and Water Conservation</i> ), *A. Siedov ( <i>State Biotechnological University</i> ), O. Seliverstov ( <i>V. N. Karazin Kharkiv National University</i> )
13.45	



<b>MONITORING OF AQUATIC ENVIRONMENT AND ATMOSPHERIC AIR</b> <b>МОНІТОРИНГ ВОДНОГО СЕРЕДОВИЩА ТА АТМОСФЕРНОГО ПОВІТРЯ</b> Session Chair: <i>Dr. Pushkar Hanna, PhD Kosharna Sofia</i>	
9.00	<b>Morning coffee</b>
9.30	<a href="#">[Mon25-149]</a> Risk analysis of groundwater quality assessment on the example of individual settlements in the south-west of Odessa Region *O. Miedviedieva ( <i>SI "REC NASU", Ukraine</i> ), O. Dyniak ( <i>Institute of Geology, Taras Shevchenko National University of Kyiv</i> ), O. Miedviediev ( <i>SE "Black Sea Center for Water Resources and Soils", Ukraine</i> )
9.45	<a href="#">[Mon25-169]</a> Prospects for Groundwater Utilization in Ukraine: Assessment of Reserves and Opportunities for Increased Extraction A. A. Pytel, Y. R. Kradozhon ( <i>Taras Shevchenko National University of Kyiv</i> )
10.00	<a href="#">[Mon25-031]</a> Geospatial model assessment of anthropization extent for aquatic-terrestrial landscapes *V. Samoilenko, L. Bilous, I. Dibrova ( <i>Taras Shevchenko National University of Kyiv</i> ), M. Grynova, L. Vishnikina ( <i>V.G. Korolenko National Pedagogic University of Poltava</i> )
10.15	<a href="#">[Mon25-214]</a> Flood frequency analysis: selection of distribution functions for modelling extreme floods on mountain rivers *S. Snizhko ( <i>Taras Shevchenko National University of Kyiv, Ukraine; Institute of Hydraulic Engineering and Water Resources Management, Vienna University of Technology, Austria</i> ), M. Bertola, G. Blöschl ( <i>Institute of Hydraulic Engineering and Water Resources Management, Vienna University of Technology, Austria</i> )
10.30	<a href="#">[Mon25-076]</a> The Swamps of the Volyn Region and Their Dynamics * O. V. Ilyina, L. V. Ilyin ( <i>Lesya Ukrainka Volyn National University</i> )
10.45	<a href="#">[Mon25-045]</a> Sediment traps as a tool for studying river suspended matter in water quality control and sediment management Ye. I. Nasiedkin, R. B. Havryliuk, G. M. Ivanova ( <i>Institute of Geological Sciences of the National Academy of Sciences of Ukraine, Kyiv</i> ), S. G. Fedoseenkov, *O. I. Shundel ( <i>State Institution "Scientific Hydrophysical Centre of the National Academy of Sciences of Ukraine", Kyiv</i> ), O. Yu. Goncharov ( <i>Biology Centre, Czech Academy of Sciences, České Budějovice</i> )
11.00	<b>Coffee Break</b>
11.15	<a href="#">[Mon25-091]</a> Regional climate modeling of the spatiotemporal distribution of annual surface air temperature in the Ukrainian plains S. Boychenko ( <i>National University of Kyiv-Mohyla Academy; S. Subbotin Institute of Geophysics of NAS of Ukraine</i> ), *N. Maidanovych ( <i>Leonid Pogorilyy UkrNDIPVT</i> )
11.30	<a href="#">[Mon25-160]</a> Monitoring of methane concentrations in the atmosphere based on remote sensing data (Kirovohrad Oblast Case Study) M. A. Tymchyshyn ( <i>SI "Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine"</i> )
11.45	<a href="#">[Mon25-036]</a> Monitoring the dynamics of the urban heat island over Lutsk V. Fedoniuk ( <i>Lutsk National Technical University</i> ), A. Pankevych ( <i>I. Horbachevsky Ternopil National Medical University</i> ), *D. Romaniuk ( <i>Lutsk National Technical University</i> ), O. Vovk, A. Fedoniuk ( <i>Lesya Ukrainka Volyn National University</i> )
12.00	<a href="#">[Mon25-166]</a> GIS-Based Analysis of the Dynamics and Factors of Sulfur Dioxide Air Pollution O. Sakal ( <i>Land Management Institute of National Academy of Agrarian Sciences of Ukraine, Institute of Rural and Agricultural Development, Polish Academy of Sciences (IRWiR PAN)</i> ), M. Bratinova ( <i>Land Management Institute of National Academy of Agrarian Sciences of Ukraine, National University of Life and Environmental Sciences of Ukraine</i> ), B. Zayachkivska ( <i>National University of Life and Environmental Sciences of Ukraine</i> ), *R. Derkul'skyi, R. Kharytonenko ( <i>Land Management Institute of National Academy of Agrarian Sciences of Ukraine</i> )



12.15	<a href="#">[Mon25-034]</a> Information panels as a tool for analyzing pollutant emissions *V. Semeniaka, V. Zatserkovnyi ( <i>Taras Shevchenko National University of Kyiv</i> ), O. Nikolaienko ( <i>National Aviation University</i> ), L. Ilyin ( <i>Lesya Ukrainka Volyn National University, Lutsk, Ukraine</i> ), A. Ilchenko ( <i>Taras Shevchenko National University of Kyiv</i> )
12.30	<a href="#">[Mon25-174]</a> Monitoring of Atmospheric Air Quality and the Impact of Renewable Energy Sources Using AI Data Analysis *M. Hurei, M. Mosiuk, Y. Adamenko ( <i>Ivano-Frankivsk National Technical University of Oil and Gas</i> )
12.45	<a href="#">[Mon25-205]</a> The projections of the Number of Ice Days in Ukraine in the 21st century *I. Kostyrko, O. Shevchenko, S. Zapototskyi, V. Pavlovskyi ( <i>Taras Shevchenko National University of Kyiv</i> )
13.00	

13.00	<b>SUMMARIZING / ПІДВЕДЕННЯ ПІДСУМКІВ</b>
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THURSDAY, APRIL 17 – HALL 2 / ЧЕТВЕР, 17 КВІТНЯ – ЗАЛ 2

GEOLOGICAL MODELING AND MATTER OF THE EARTH  
 ГЕОЛОГІЧНЕ МОДЕЛЮВАННЯ ТА РЕЧОВИНА ЗЕМЛІ  
 Session Chair: *PhD Virshylo Ivan, Dr. Shnyukov Sergii*

9.00	<b>Morning coffee</b>
9.30	<a href="#">[Mon25-114]</a> Regression models of saturation and formation effect of resistivity of tight Carboniferous terrigenous rocks of the Northern marginal zone of the Dnieper-Donetsk basin S. Vyzhva, *V. Onyshchuk, I. Onyshchuk, O. Shabatara ( <i>Taras Shevchenko National University of Kyiv</i> ), D. Onyshchuk ( <i>Alcon Ukraine LLC</i> )
9.45	<a href="#">[Mon25-012]</a> Geological conditions for oil and gas formation in flysch strata of the Precarpathian foredeep's central and southeastern regions M. Maniuk, V. Khomyn, *I. Piatkovska, O. Maniuk, B. Khomyn ( <i>Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine</i> )
10.00	<a href="#">[Mon25-173]</a> Efficiency of studying thin-layered reservoir rocks of Neogene sediments D. Fedoryshyn, *I. Piatkovska, S. Fedoryshyn, T. Linko, M. Lypchuk, O. Trubenko ( <i>Ivano-Frankivsk National Technical University of Oil and Gas</i> )
10.15	<a href="#">[Mon25-215]</a> Application of Rock Physics Modeling for Petrophysical Interpretation of Well Logging Data: A Case Study of the N Field *O. Bulakh, I. Bezrodna ( <i>Taras Shevchenko National University of Kyiv</i> ), V. Antoniuk ( <i>JSC "Ukrgezvydobuvannya"</i> )
10.30	<a href="#">[Mon25-217]</a> Geological modeling of tin placers of Sushchany-Perga zone using Micromine N. Ostafiichuk, *I. Tsyhanenko-Dziubenko, S. Bashynskiy, N. Ventsel ( <i>Zhytomyr Polytechnic State University</i> ), V. Ventsel ( <i>Zhytomyr Regional State Administration</i> )
10.45	<a href="#">[Mon25-039]</a> Modern magnetovariation studies of the Pre-Carpathian Trough *A. Yu. Stolpakov, A. M. Kushnir, V. A. Iliencko ( <i>S. I. Subbotin Institute of Geophysics National Academy of Sciences of Ukraine, Kiev, Ukraine</i> )
11.00	<b>Coffee Break</b>
11.15	<a href="#">[Mon25-201]</a> Mesostructural Analysis and Paleostress Reconstruction in the Tereblia-Rika HPP Region, Ukrainian Carpathians *A. Bubniak, I. Bubniak ( <i>Institute of Geodesy, Lviv Polytechnic National</i> )
11.30	<a href="#">[Mon25-078]</a> Defining natural trends in current environmental and climatic change based on comparative studies of interglacial successions *N. Gerasimenko ( <i>Taras Shevchenko National University of Kyiv</i> ), O. Bonchkovskiy ( <i>Institute of Geography of National Academy of Sciences of Ukraine</i> )
11.45	<a href="#">[Mon25-183]</a> Morphochronodynamic analysis of the geomorphosystem of the Korsun-Novomyrhorod district, which is promising for native and placer titanium and titanium-zirconium deposits. *O. Komliev ( <i>Taras Shevchenko National University of Kyiv</i> ), O. Remezova ( <i>Institute of geological sciences of NAS of Ukraine</i> ), O. Beydyk ( <i>Non-governmental organization Ukrainian Geographical Society</i> ), R. Spysia ( <i>Institute of Geography of National Academy of Ukraine</i> ), U. Naumenko, S. Vasylenko ( <i>Institute of Geological Sciences, NAS of Ukraine</i> )
12.00	<a href="#">[Mon25-181]</a> Geodynamic modeling of geoid changes in the geologic past A. Tserklevych, T. Badlo, *O. Zayats, O. Shylo ( <i>Lviv Polytechnic National University</i> )
12.15	<a href="#">[Mon25-219]</a> Routine monitoring of laboratory precision and accuracy as a tool for assessing analytical uncertainties in large geochemical databases on bulk-rock composition I. Lazareva, *S. Shnyukov, A. Vyrshylo, A. Omelchenko, V. Osypenko ( <i>Taras Shevchenko National University of Kyiv</i> )
12.30	<a href="#">[Mon25-196]</a> Electron beam stability in routine microprobe analysis of minerals: problems and some simple, but optimal solutions *Ye. Shniukova, S. Shnyukov, A. Omelchenko, I. Lazareva ( <i>Taras Shevchenko National University of Kyiv</i> ), O. Padusenko ( <i>SELMi, Sumy, Ukraine</i> )
12.45	



**THURSDAY, APRIL 17 – HALL 3 / ЧЕТВЕР, 17 КВІТНЯ – ЗАЛ 3**

<b>MONITORING IN PROSPECTING AND DEVELOPMENT OF MINERAL DEPOSITS МОНІТОРИНГ ПРИ ПОШУКАХ І РОЗРОБЦІ РОДОВИЩ КОРИСНИХ КОПАЛИН</b>	
<i>Session Chair: Dr. Karpenko Oleksii</i>	
<b>9.00</b>	<b>Morning coffee</b>
<b>9.30</b>	<a href="#">[Mon25-011]</a> Features of the interpretation of amplitude anomalies according to the data of seismic survey on the northern side of the Dnipro-Donetsk Depression <i>S. Vyzhva (Taras Shevchenko National University of Kyiv), *V. Kruhlyk, G. Lisny (Geounit LLC)</i>
<b>9.45</b>	<a href="#">[Mon25-206]</a> Rock physics and seismic data quantitative interpretation at Western-Ukrainian oil&gas region – a case study. <i>*O. Krasnikova (UkrNDIGas), V. Antoniuk (UkrGasVydobuvannya), P. Kuzmenko (UkrGasVydobuvannya; Taras Shevchenko University of Kyiv)</i>
<b>10.00</b>	<a href="#">[Mon25-197]</a> Time-Lapse Monitoring of Fluid Contacts In Low Salinity Formation Using Pulsed Neutron Data <i>*O. Petrokushyn (Weatherford, Taras Shevchenko National University of Kyiv), Y. Ignatochkina (DTEK Oil&amp;Gas LLC)</i>
<b>10.15</b>	<a href="#">[Mon25-022]</a> Estimation of oil and gas content prospects in Chorniivska area of the inner zone of the Precarpathian trough <i>N. V. Dubei, *T. D. Lishchynska (Ivano-Frankivsk National Technical University of Oil and Gas)</i>
<b>10.30</b>	<a href="#">[Mon25-021]</a> Increasing the efficiency of drilling intervals of wells composed of unstable rocks <i>M. Senyushkovych, I. Dudych, O. Martsynkiv, I. Vytvytskyi, *M. Semeliuk, O. Yatsiuk (Ivano-Frankivsk National Technical University of Oil and Gas)</i>
<b>10.45</b>	<a href="#">[Mon25-086]</a> Elements of research on the hydrocarbon potential of shale: (based on the visean strata of the Dnieper-Donets Basin) <i>*V. Kurtyi, O. Verpakhovska (S.I. Subbotin Institute of Geophysics of the National Academy of Sciences of Ukraine, Kyiv, Ukraine)</i>
<b>11.00</b>	<b>Coffee Break</b>
<b>11.15</b>	<a href="#">[Mon25-161]</a> On the spatial positioning features of the first aquifer in the south of Kryvbas <i>P. Pihulevskiy (S.I. Subbotin Institute of Geophysics of NAS of Ukraine, Kyiv, Ukraine), V. Svistun (Dnipropetrovsk Geophysical Expedition "Dniprogeofizika", Dnipro, Ukraine), *S. Yaremii (Dnipro University of Technology, Dnipro, Ukraine), L. Anisimova (M.S. Poliakov Institute of Geotechnical Mechanics of the NAS of Ukraine, Dnipro, Ukraine)</i>
<b>11.30</b>	<a href="#">[Mon25-064]</a> Substantiation of computer modeling conditions for monitoring deformations of the earth's surface in the mining area <i>*N. Kolesnik (National University of Life and Environmental Sciences of Ukraine)</i>
<b>11.45</b>	<a href="#">[Mon25-131]</a> Variations of Europium Anomaly Estimates in Lanthanide Spectras of Natural Monazite-Group Minerals <i>I. Mihalchenko (State Institution "The Institute of Environmental Geochemistry of National Academy of Sciences of Ukraine")</i>
<b>12.00</b>	<a href="#">[Mon25-033]</a> Mining and industrial geosites of the Middle Dniester region - adits for phosphorite mining of the nineteenth and early twentieth centuries <i>H. I. Denysyk, L. V. Ataman, *V. S. Kanskyi (Vinnytsia Mykhailo Kotsiubynskiy State Pedagogical University)</i>
<b>12.15</b>	<a href="#">[Mon25-218]</a> Hydrochemical prerequisites for the search for lithium in produced water of oil and gas fields in Ukraine <i>M. Reva (Taras Shevchenko National University of Kyiv)</i>
<b>12.30</b>	

