

# EAGE

EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS



## XVI

International Scientific Conference  
«Monitoring of Geological Processes and  
Ecological Condition of the Environment»  
15-18 November 2022, Kyiv, Ukraine

### FIRST ANNOUNCEMENT

ESI “Institute of Geology” of Taras Shevchenko National University of Kyiv with the support of the European Association of Geoscientists and Engineers (EAGE) organizes a conference dedicated to monitoring of natural hazards, which include both geological hazards, and study the geological factors that can lead to environmental disasters.

The conference will include new approaches of using geological and geophysical methods for natural and man-made processes assessment, as well as ecological analysis of territories.

Due to the full-scale Russian invasion of Ukraine it is important to assess the impact of military action on the state of the geological environment and critical infrastructure, which can be considered by almost all sections of the conference.

Objective of this event is to facilitate exchange of valuable scientific experience, integration of different sectors of research, and improvement of interagency and international cooperation.

There will be a student program.

Participation in the scientific program is FREE for Ukrainians.

Citizens of the Russian Federation and the Republic of Belarus cannot participate in the conference in any format.

### ***IMPORTANT DATES***

**15 June – 15 September 2022**– Call for papers

**15 November 2022** – registration and accommodation of participants

**15–18 November 2022** – Conference

### ***PROGRAMME COMMITTEE***

S. Vyzhva - “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. Osadchyy - Ukrainian Hydrometeorological Institute of the National Academy of Sciences of Ukraine;

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

Tolstanova G. – 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

### ***PRESENTATIONS***

15 minutes are allocated for presentation (oral or poster) and 5 minutes for discussion. The main working language of the conference - English. Section rooms will be equipped with projectors.

Posters: size A0 (portrait orientation).

***Contributions could be presented both online and offline***

## **TOPICS OF THE CONFERENCE**

- **Modern technologies of geophysical monitoring**  
Observation systems for seismicity, geophysical fields and geodynamic processes.
- **Monitoring of aquatic environment and atmospheric air**  
Monitoring of pollutants in air and precipitation, surface and sea waters; groundwater research; sources of industrial emissions into the atmosphere; water bodies within protected areas.
- **Geohazards Monitoring and Mitigation**  
Methods and approaches to monitoring, modeling and analysis of the geoenvironment, assessment of natural hazards impact in the infrastructure, development of measures for the risk mitigation, ecosystem services.
- **Geophysics in engineering geology, soil science, archaeology, ecology**  
Theoretical and practical aspects of application of near-surface geophysical techniques and laboratory measurements of physical properties of rocks and soils are considered for the purposes of safety of construction, preservation of historical and cultural heritage, geoecology, soil science.
- **Aerospace methods of monitoring**  
Aerospace methods of studying and monitoring geological, natural, anthropogenic objects and processes.
- **Geographic information systems and technologies**  
GIS, digital cartography, models and visualization of spatial data, spatial analysis of data in GIS, technologies for creating vector maps, software.
- **Geological modeling and matter of the Earth**  
Modeling technologies, geological modeling in oil and gas and ore geology, geothermal energy and decarbonization projects.
- **Monitoring in prospecting and development of mineral deposits**  
Exploration work, monitoring the development of oil and gas fields, solid minerals, exploration geophysical work.
- **Monitoring of environmental and economic risks**  
Modeling and forecasting in nature management and environmental safety; advisory and methodological support. Environmental and economic risks.
- **Economic geology**  
Geological and economic assessment of subsoil use objects: international standards and domestic practice.

## **CONTACTS**

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