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## Joint Operational Program "Black Sea Basin" 2014-2020 BSB27 MONITOX

"Black Sea Basin interdisciplinary cooperation network for sustainable joint monitoring of environmental toxicants migration, improved evaluation of ecological state and human health impact of harmful substances, and public exposure prevention"

### Agenda

#### MONITOX Cross-border regional workshop "Modelling of regional toxic pollution in Black Sea Basin"

On-line workshop programme  
17<sup>th</sup>-18<sup>th</sup> November 2020

#### Workshop Chairpersons - Project coordinating committee:

-  Dr. geol. **Oleg Bogdevich** - *Project Coordinator partner PP4*, Institute of Geology and Seismology, Chisinau, Republic of Moldova
-  Mem. cor. ASM, prof. dr. habil. biol. **Elena Zubcov** - *Project Coordinator partner PP2*, Institute of Zoology, Chisinau, Republic of Moldova
-  Prof.dr. habil. eng. phys. **Antoaneta Ene** - *Project Manager, Leader Partner LP1*- Dunarea de Jos University of Galati, Romania
-  Prof. dr. chem. **Thomas Spanos**- *Project Coordinator partner PP3*, International Hellenic University, Kavala, Greece
-  Dr. chem. **Liliana Teodorof** - *Project Coordinator partner PP5*, Danube Delta National Institute, Tulcea

**17<sup>th</sup> November 2020**

10:00h Venue at PP4 Institute of Geology and Seismology, Chisinau, Republic of Moldova  
On-line workshop

➤ **Moderators:**

Oleg Bogdevich, PhD, project coordinator, PP4 Institute of Geology and Seismology, Republic of Moldova (IGS-MD);  
Elena Zubcov, doctor habilitated, project coordinator, PP2 Institute of Zoology, Republic of Moldova (IZ-MD).

Opening presentation - Oleg Bogdevich, project coordinator PP4, IGS-MD;  
Elena Zubcov, project coordinator PP2, IZ-MD.

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**First session 10:00 - 12:30**

**Modelling of contaminants fate in environment, methodology of toxic substances mapping, and visualization using GIS technology**

**10:00 - 10:15 Registration of participants**

**Moderator: Oleg Bogdevich**

No	Presenter and authors <i>Institution of corresponding author</i>	Title	Time
1	Oleg Bogdevich, Elena Zubcov <i>Institute of Geology and Seismology, Chisinau, Republic of Moldova</i> <i>Institute of Zoology, Chisinau, Republic of Moldova</i>	The opening speech and introduction to the workshop	10:15 - 10:25
2	Oleg Bogdevich, Antoaneta Ene, Elena Zubcov, Thomas Spanos, Liliana Teodorof <i>Institute of Geology and Seismology, Chisinau, Republic of Moldova</i>	The using of GIS technology (ArcGIS, MapInfo, QGIS) for the mapping of toxic substances concentration and their fate in the water objects and other environment	10:25 - 10:45
3	Antoaneta Ene, Elena Zubcov, Thomas Spanos, Oleg Bogdevich, Liliana Teodorof, Ștefănuț Ciochină <i>Dunarea de Jos University of Galati, Romania</i>	Input data for QGIS maps of environmental radioactivity in the target areas of the Black Sea Basin	10:45 - 11:00
4	Cristian Trifanov, Liliana Teodorof, Adrian Burada, Cristina Despina, Daniela Seceleanu - Odor, Cosmin Spiridon, Mihaela Tiganus, Oleg Bogdevich, Antoaneta Ene, Elena Zubcov, Thomas Spanos <i>Danube Delta National Institute, Tulcea, Romania</i>	Mapping the Water Quality Parameters in the Lower Danube and along the Romanian Black Sea coastal area	11:00 - 11:15
5	Thomas Spanos, Antoaneta Ene, Christina Chatzichristou <i>International Hellenic University, Kavala, Greece</i>	Chemometrics applied for the evaluation of pollution sources and quality of groundwater in Northern Greece	11:15 - 11:30
6	Mihai Răzvan Niță, Ana Maria Popa, Gabriel Vanau <i>University of Bucharest, Romania</i>	Challenges in monitoring water quality in urban environments - Case study Bucharest	11:30 - 11:45
7	Questions, discussion, closing of the first session		11:45 - 12:30

Link <https://us02web.zoom.us/j/75034430579?pwd=T1BwT0pveHZ0WHYxNm9iMWPXRUpvQT09>

Conference identification: 750 3443 0579

Code: 6utgEZ

Name: MONITOX workshop "Modelling of regional toxic pollution in Black Sea Basin"

**12:30 - 14:00 Break**

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**Second session 14:00 - 16:00**

- Round table: The implementation of GIS technology for the study of toxic substances status in the environment in the target region
- Expert training: GIS/Q-GIS technology; case studies and applications (Part I)

**MONITOX project teams**

Moderator Elena Zubcov

No	Presenter and authors <i>Institution of corresponding author</i>	Title	Time
1	<u>Oleg Bogdevich</u> , Antoaneta Ene, Elena Zubcov, Thomas Spanos, Liliana Teodorof <i>Institute of Geology and Seismology, Chisinau, Republic of Moldova</i>	Mapping of contaminated sites for environmental risk assessment using GIS technology	14:00 - 14:15
2	<u>Ghenadie Syrodoev</u> , Oleg Bogdevich, Igor Nicoara <i>Institute of Geology and Seismology, Chisinau, Republic of Moldova</i>	The use of GIS technologies for creating databases on the example of the "Geological Monuments" database	14:15 - 14:30
3	<u>Emmanouilidou Elissavet</u> , Yusuf Yohannah, Sofia Mitkidou, Nikolaos Kokkinos <i>International Hellenic University, Kavala, Greece</i>	Investigation of petroleum hydrocarbon fingerprints of water and sediment samples of the Nestos River estuary	14:30 - 14:45
4	<u>Iakovoglou V.</u> , Gkiatas G., Pagonis G., Savvopoulou A., Kasapidis I., Zaimis G. <i>International Hellenic University, Greece</i>	Field measurements and GIS to find optimal locations for works to prevent soil erosion.	14:45 - 15:00
5	<u>Zaimis G.N.</u> , Gounaridis D., Symenonakis E., Iakovoglou V. <i>International Hellenic University, Greece</i>	Assessing the riparian vegetation of the Nestos Delta through Vegetation Indices and the Random Forest model.	15:00 - 15:15
6	<u>Oleg Bogdevich</u> <i>Institute of Geology and Seismology, Chisinau, Republic of Moldova</i>	Status of elaboration of GIS maps in the target region for selected toxicants	15:15 - 15:30
7	Questions, discussion, closing of the workshop		15:30 - 16:00

Link <https://us02web.zoom.us/j/83264344310?pwd=WUJRYVFsMUJSZi9OUTI4cDEvZitSZz09>

Conference identification: 832 6434 4310

Code: 413700

Name: MONITOX workshop "Modelling of regional toxic pollution in Black Sea Basin" second part

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18<sup>th</sup> November 2020

**Expert training  
GIS/Q-GIS technology; case studies and applications  
(Part II)**

10:00-12:00 h Venue at PP4 Institute of Geology and Seismology, Chişinău, Republic of Moldova

**Moderator:**

Oleg Bogdevich, PhD, project coordinator PP4,  
Institute of Geology and Seismology, Republic of Moldova, (IGS-MD)

Link <https://us02web.zoom.us/j/81486229283?pwd=dWRSclhkenJkWmtOaFZ1c1c0ejBDQT09>

Conference identification: 814 8622 9283

Code: 960712

Name: Expert training: GIS/Q-GIS technology; case studies and applications

18<sup>th</sup> November 2020

16:00-18:00 h Venue of PP4 Institute of Geology and Seismology, Chişinău, Republic of Moldova

**6<sup>th</sup> Steering committee meeting (SKYPE on-line meeting)**

➤ **Participants:**

Antoaneta Ene, doctor habilitated, Project manager, Lead Partner, “Dunarea de Jos” University of Galati, Romania (UDJG, RO),

Elena Zubcov, doctor habilitated, project coordinator, PP2, Institute of Zoology, Republic of Moldova (IZ-MD).

Thomas Spanos, PhD, project coordinator, PP3, International Hellenic University, Kavala, Greece (IHU-GR)

Oleg Bogdevich, PhD, project coordinator, PP4 Institute of Geology and Seismology, Republic of Moldova, (IGS-MD);

Liliana Teodorof, PhD, project coordinator, PP5, Danube Delta National Institute for Research and Development, Tulcea, Romania (DDNI-RO);

Financial managers and key responsables.

**Program:**

- the discussion of project status and preparation for the sixth project progress report;
- the status with the editing of guidelines and other deliverables for the project reporting;
- the status of financial situation by partners.

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