



THE NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT
ON MARINE GEOLOGY AND GEO-ECOLOGY

INTERNATIONAL SYMPOSIUM

**“Ancient and Present River-Delta-Sea Systems Modifications
Under Impacts of Human Interventions and Climate Change”**

**30 years of activity of the National Institute for Research and Development on
Marine Geology and Geo-ecology (GeoEcoMar)**

AGENDA

Tuesday, the 17th of October, 2023

Location: Aula “I. Heliade Rădulescu” of the Romanian Academy Library

Address: 125 Calea Victoriei

9:30-10:00 Registration

10:00-11:30 Festive Session. Part 1.

Adrian Stănică – GeoEcoMar - Brief introduction of the Day

GeoEcoMar – partnering with other Research and Higher Education Institutions

Brief speeches and interventions:

- *Romanian Ministry of Research, Innovation and Digitalization*
 - *Secretary of State Tudor Prisecaru*
 - *Secretary of State Andrei Alexandru*
- *British Embassy in Romania - HE UK Ambassador Andrew Noble LVO*
- *General Secretariat of the Sea / Prime Minister of France, IFREMER - Gilles Lericolais, Senior Scientific Officer*
- *European Commission, DG Research and Innovation - Elisabetta Balzi, Head of Unit “Blue Growth” (online)*
- *Romanian Academy:*
 - *Acad. Nicolae Zamfir, Vicepresident*
 - *Acad. Dumitru Murariu, Vicepresident*
 - *Acad. Ioan Dumitrache, General Secretary*

- *Sustainable Blue Economy Partnership (SBEP) - Margherita Cappeletto , SBEP Coordinator (Italian Ministry for Higher Education and Research) online*
- *Black Sea Assistance Mechanism – Common Maritime Agenda – Mihaela Mirea, coordinator (online)*
- *Council of the National Institutes for Research and Development in Romania - Mihaela Doni, President, Director General of ICECHIM*
- *Romanian Agency of Rescue of Human Life at Sea – Iulian Crețu, Director*
- *Romanian Black Sea Offshore Authority ACROPO – Robert Ciocioi, President*
- *Maritime Hydrographic Directorate “Captain Alexandru Cătuneanu” – Lucian Dumitrache, Cmdr.*

Brief speeches from representatives from Black Sea, European and Romanian Universities, National Research Institutes and other partner organizations and administrations and personalities.

11:45-12:15 Coffee/Tea Break

12:15-13:45 Festive Session. Part 2. 30 years of GeoEcoMar.

- Acad. Nicolae Panin
- Prof. Adrian Stănică – Director General GeoEcoMar
- Dr. Habil. Mihaela Melinte-Dobrinescu – Research Director GeoEcoMar

13:45-14:30 Lunch Break

14:30-16:00 Invited key notes

14.30 – 15.00: Gilles Lericolais – “A European perspective on ocean observation and monitoring of the marine and coastal environment”

15.00 – 15.30: Andrew Tyler – “Developments in Digital Observatories to Understand the River Sea Continuum”

15.30 – 16.00: Jos Brils – “20-years of SedNet: integrated sediment management from source to sink”

16:00-16:30 Coffee/Tea Break

16:30-18:00 Invited key notes (continuation)

16.30 – 17.00: Vangelis Papathanassiou - “Building Scientific Cooperation in the field of Marine Research in the Southern European Seas”

17.00 – 17.30: Paolo Favali - “The Marine Research Infrastructures in the European Marine Observation landscape: present and future perspectives”

17.30 – 18.00: Mihai Popa - "GeoEcoMar and the Doctoral School of Geology (University of Bucharest): a successful collaborative story“

19.30 - Festive dinner

Location:

“The Scientists Club” (Casa Oamenilor de Știință),
Piața Alexandru Lahovari 9, Bucharest.

Dress code: casual

ZOOM Link:

<https://us06web.zoom.us/j/83014787849?pwd=AbujeabQ3DDag0ChLmyCPaCkFNvO27.1>

Passwords:

Wireless Academie: Radulescu

Wireless GeoEcoMar: ge0ec0mar

Wednesday, the 18th of October 2023

Location: Aula "I. Heliade Rădulescu" of the Romanian Academy Library

Address: 125 Calea Victoriei

9:30-13:00 First Section of Oral Presentations

Present River-Delta-Sea Systems Modifications - Part 1.

Convenors: Laura Boicenco and Dan Vasiliu

9:30-9:45

BACTERIAL COMMUNITIES ASSOCIATED WITH THE TUBE-DWELLING
POLYCHAETE MELINNA PALMATA GRUBE, 1870 AND SEDIMENTS (STUDY
CASE: ROMANIAN BLACK SEA SHELF)

Selma Menabit, Paris Lavin, Tatiana Begun, Mihaela Mureşan, Adrian Teacă, Cristina
Purcarea

9:45-10:00

MICROPLASTIC INVESTIGATION IN THE SURFACE COASTAL WATERS AND IN
AUTOCHTHONOUS *ALOSA IMMACULATA* AND *MYTILUS GALLOPROVINCIALIS*,
WESTERN BLACK SEA, ROMANIA

Iulian Pojar, Teodora Baboş, Oana Dobre, Constantin Lazăr, Cornel Ioan Pop

10:00-10:15

OVERVIEW OF HEAVY METALS AND ORGANIC POLLUTANTS
ACCUMULATION IN THE MAIN LINKS OF THE FOOD CHAIN AT THE
ROMANIAN BLACK SEA COAST

Nicoleta-Alexandra Damir, Valentina Coatu, Andra Oros

10:15-10:30

CLIMATE CHANGE EFFECTS ON MESOZOOPLANKTON'S TEMPORAL AND
SPATIAL DYNAMICS IN THE BLACK SEA

Elena Bişinicu, Luminiţa Lazăr, Florin Timofte

10:30-10:45

DANUBE DELTA AND NW BLACK SEA: A STORY OF WATER COLOUR

Adriana-Maria Constantinescu, Liz Atwood, Stefan Simis, Adrian Stănică, Andrew Tyler,
Evangelos Spyarakos, Shenglei Wang, Thomas Jackson, Conor McGlinchey, Adrian Gherghe,
Naliana Lupaşcu, Cristian Teodoru, Albert Scriciu, Daniela Florea, Dan Vasiliu, Gabriela
Vlad

10:45-11:00

TRACE METALS ASSESSMENT IN THE SURFACE SEDIMENTS OF THE NW BLACK SEA SHELF, ROMANIA

Andra Bucşe, Dan Vasiliu, Naliana Lupaşcu, Sorin Balan, Daniela Florea, Teodor Muşat, Florina Rădulescu

11:00-11:15

ANALYSIS OF THE POTENTIAL FOR SUSTAINABLE USE OF VEGETATION SPECIFIC TO THE DANUBE-DANUBE DELTA-BLACK SEA SYSTEM -D3MN-

Ana Bianca Pavel, Albert Scriciu, Irina Catianis, Gabriel Iordache, Cătălin Gheablău, Naliana Lupaşcu, Daniela Florea, Adrian Stănică

11:15-11:30

THE FIRST SYNOPTIC SURVEY OF THE BLACK SEA TO ESTIMATE DENSITY AND ABUNDANCE OF DOLPHINS AND PORPOISES

Romulus-Marian Paiu, Ana Cañadas, Ayhan Dede, Galina Meshkova, Ayaka Amaha Ozturk, Dimitar Popov, Arda M Tonay, Costin Timofte, Natia Kopaliani, Pavel Gol'din, Simone Panigada, Dumitru Murariu

11:30-12:00 Coffee/Tea break

Present River-Delta-Sea Systems Modifications - Part 2.

Convenors: Gabriel Ion and Silviu Rădan

12:00-12:15

AN OVERVIEW OF ROMANIAN MARINE FISH BIODIVERSITY

Mădălina Galatchi, Victor Niţă, Magda Nenciu

12:15-12:30

META-ANALYSIS OF STUDIES USING EARTH OBSERVATION DATA IN WATER QUALITY INDICATORS ESTIMATION FOR DANUBE DELTA AND BLACK SEA

Marian Necula, Constantin Milea

12:30-12:45

MORE THAN 15 YEARS OF TSUNAMI RESEARCH AT THE NATIONAL INSTITUTE OF EARTH PHYSICS

Raluca Partheniu, Mihail Diaconescu, Iren Adelina Moldovan, Angela Petruţa Constantin, Andreea Craiu, Eduard Constantinescu, Constantin Ionescu

12:45-13:00

SALT, THE SEED OF LIFE: A GEOTOURISM ANALYSIS OF SALT AREAS IN THE BUZĂU LAND UNESCO GLOBAL GEOPARK, ROMANIA

Cristina Toma, Antoneta Seghedi, Răzvan-Gabriel Popa

13:00-14:00 Lunch Break

14:00-18:00 Second Section of Oral Presentations

Ancient River-Delta-Sea Systems Modifications – Part 1

Convenors: Mihaela Melinte-Dobrinescu and Antoneta Seghedi

14:00-14:15

QUATERNARY GEOLOGICAL EVOLUTION OF THE NW BLACK SEA CONTINENTAL PLATFORM: PALAEOGEOGRAPHICAL AND PALAEOECOLOGICAL IMPLICATIONS

Constantin Lazăr, Gabriel Ion, Mihaela Melinte-Dobrinescu

14:15-14:30

EMILIANA HUXLEYI AND BRAARUDOSPHERA BIGELOWII BLOOMS AND ABUNDANCE VARIATIONS IN QUATERNARY SEDIMENTS OF THE WESTERN BLACK SEA SHELF

Eliza Anton, Gabriel Ion, Andrei Briceag, Mihaela Melinte-Dobrinescu

14.30-14:45

ARCHITECTURE OF FAULT DAMAGE ZONE OF THE EASTERN CARPATHIANS, MOINEȘTI AREA

Cristian Mihalcea

14:45-15:00

A CHALLENGE TO THE CLASSIC UNDERSTANDING OF ROCK-FORMING BLUE QUARTZ

Adrian-Iulian Pantia, Marian Munteanu

15:00-15:15

A DETAILED CHRONOLOGY OF THE SEDIMENTATION IN THE DANUBE ABYSSAL FAN RECORDS MAJOR EPISODES OF THE LATE HOLOCENE BLACK SEA EVOLUTION

Maria Ilie, Tiberiu Sava, Alfred Vespremeanu-Stroe, Octavian Dului, Gabriela Cristea, Gabriel Ion, Dan Olteanu, Aritina Haliuc, Cristian Mănăilescu, Gabriela Sava

15:15-15.30

DIFFICULT CHRONOSTRATIGRAPHIC FRAMEWORK WITH MIXED DATASETS IN
EAST CARPATHIANS MIO-PLIOCENE FORELAND BASINS

Eugen Tudor, Ioan Munteanu, Victor Avram, Mihaela Melinte-Dobrinescu

15:30-16:00 Coffee/Tea break

Ancient River-Delta-Sea Systems Modifications – Part 2

Convenors: Marius Stoica and Andrei Briceag

16:00-16:15

GAMMA RAY SPECTROMETRY APPLIED TO GEOLOGICAL AND ECOLOGICAL
STUDIES IN THE RIVER-DELTA-SEA SYSTEM

Bogdan Alexandrescu, Sorin Ujeniuc, Iulian Pojar, Albert Scriciu, Rareș Șuvăilă

16:15-16.30

UPPER MIOCENE FORAMINIFERA AND OSTRACODS FROM EASTERN EUXINIAN
BASIN (BULGARIA)

Andreea-Georgiana Florea, Marius Stoica

16.30-16.45

IMPLEMENTING PHOTOGRAMMETRY IN ARCHAEOLOGY FOR 3D MODELING
OF ANCIENT SETTLEMENTS

Andrei-Gabriel Dragoș, Gabriel Iordache, Sorin Anghel

16.45-17.45

**Concluding remarks, discussions: Dr. Habil. Mihaela Melinte-Dobrinescu, Research
Director INCD GeoEcoMar**



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