



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

### PROGRAM

<b>30 SEPTEMBER</b>	
8.00-17.00	Short course
<b>1 OCTOBER</b>	
8.00-17.00	Short course
10.00-18.00	Registration – Faculty of Geology and Geography, Mineralogy department, groundfloor
18.30-22.00	Welcome party at the Crama Domneasca restaurant voievodal, legend and history, str. Şelari 13-15
<b>2 OCTOBER</b>	
8.30	Registration – hotel Novotel Bucharest City Centre – 1-st floor
8.30	Posters and exhibition set up
9.00-10.30	Opening ceremony
11.00-13.00	Keynote speeches
14.30-17.45	Scientific sessions – two concurrent sessions
17.45	Busses depart to the National Museum of Geology
18.00-21.00	Aromanian cultural evening by Sutsata and visit of the Museum
21.00	Busses depart to hotel Novotel
<b>3 OCTOBER</b>	
9.00-18.00	Scientific sessions – two concurrent sessions
18.00	Visit the historical center of Bucharest
<b>4 OCTOBER</b>	
9.00-17.45	Scientific sessions
11.00-13.00	Meeting of the International ISGB board
17.45	Removal of posters
18.00-22.00	Farewell dinner at Caru' cu bere restaurant, Str. Stavropoleos 5
<b>5 OCTOBER</b>	
7.30	Departure for field trips
<b>8 OCTOBER</b>	
20.30	Return from field trips 1 and 2
<b>9 OCTOBER</b>	
20.30	Return from field trip 4



The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

<b>SCIENTIFIC PROGRAM AT A GLANCE</b>		
<b>Sunday 2 October 2011</b>		
<b>Conference Room Paris</b>		
9.00	<b>Opening ceremony</b>	
	Mircea Săndulescu Dragoş Ciuparu Mehmet Üzer Mikhail Gubarev Tamara Yegorova Ivan Zagorchev Shota Adamia Gary Ingram Gheorghe Oaie	
Morning	<b>Plenary session</b>	
	Chairs: Dan Rădulescu, William Cavazza	
<b>Lunch</b>		
	<b>Conference room Paris gauche</b>	<b>Conference room Paris droite</b>
Afternoon	<b>S1 – Tectonic evolution and geodynamics of the circum-Black Sea region</b>	<b>S9 – Petroleum geology of Black Sea region</b>
	Chairs: Mircea Săndulescu, Yücel Yilmaz	Chairs: Bogdan Popescu, Oxana Khriachtchevskaia
		<b>S9 – Petroleum geology of Black Sea region</b> Chairs: Dorina Țambrea, Stephen J. Vincent
<b>Monday 3 October 2011</b>		
Morning	<b>S2 – Tectonic evolution and geodynamics of the circum-Black Sea region – continued</b>	<b>S 10 – Basin analysis, mineral and energetic resources</b>
	Chairs: Shota Adamia, Ivan Zagorchev	Chairs: Corneliu Dinu, Georgi Georgiev
	<b>S3 – Basin inversion of the Black Sea: structural styles and basement controls</b>	<b>S 11 – Stratigraphy, palaeontology, sedimentology and paleoclimatology</b>
	Chairs: Randell Stephenson, Sergiy Stovba	Chairs: Mihai Popa, Jean-Paul Saint Martin
<b>Lunch</b>		



The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

Afternoon	<b>S3 – Basin inversion of the Black Sea: structural styles and basement controls</b>	<b>S 11 – Stratigraphy, palaeontology, sedimentology and paleoclimatology</b>
	<b>Chairs: Randell Stephenson, Sergiy Stovba</b>	<b>Chairs: Iuliana Lazăr, Hurye Demircan</b>
	<b>S4 – Geophysical investigation in the Black Sea region</b>	<b>S 12 – Petrology, volcanology, geochemistry, geochronology, mineral resources</b>
	<b>Chairs: Victor Mocanu, Tamara Yegorova</b>	<b>Chairs: Uwe Kasper, Aral Okay</b>
	<b>S5 – Integrated management of coastal areas</b>	
<b>Chairs: Adrian Stănică, Peter Barter</b>		
<b>Tuesday 4 October 2011</b>		
Morning	<b>S6 – Integrated management of coastal areas - continued</b>	<b>S 12 – Petrology, volcanology, geochemistry, geochronology, mineral resources - continued</b>
	<b>Chairs: Irina Dinu, Georg Umgieser</b>	<b>Chairs: Gavril Săbău, Orhan Yavuz</b>
	<b>S7 – Quaternary geology and sedimentology</b>	<b>S 13 – Paratethys Evolution</b>
	<b>Chairs: Nicolae Panin, Valentina Yanko-Hombach</b>	<b>Chairs: Dan Jipa, William B.F. Ryan</b>
	<b>S7 – Quaternary geology and sedimentology -</b>	
	<b>Chairs: Tatiana Begun, Lee Bradley</b>	
	<b>S8 – Ecology, paleoenvironmental change and human response</b>	
<b>Chairs: Dan Secrieru, Fulya Yücesoy Eryilmaz</b>		
<b>Lunch</b>		
Afternoon	<b>S8 – Ecology, paleoenvironmental change and human response</b>	<b>S 14 – Protected areas of the Black Sea region</b>
	<b>Chairs: Dan Secrieru, Fulya Yücesoy Eryilmaz</b>	<b>Chairs: Alexandru Andraşanu, Todor Todorov</b>
	<b>S8 – Ecology, paleoenvironmental change and human response</b>	
<b>Chairs: Adrian Teacă, Mustafa Eryilmaz</b>		



# The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

## 30 SEPTEMBER – 1 OCTOBER

### Short course, Conference room GeoEcoMar, 23-25 Dimitrie Onciul St.

Ron Steel, Cornel Olariu

8.00-17.00 Siliciclastic Shelf Margins Revisited: Source-to-sink within a sequence stratigraphy framework

## 1 OCTOBER

9.00-18.00 Registration at the Mineralogy Department, Faculty of Geology and Geophysics, University of Bucharest, Bd. Nicolae Balcescu 1, groundfloor

18.30 Welcome party, Crama Domneasca Restaurant voievodal, Şelari St. 13-15, in the historical enter of Bucharest

## 2 OCTOBER

9.00 -10.30 **Opening ceremony, hotel Novotel Bucharest City Center, Room Paris, 1-st floor**  
**Mircea Săndulescu**, Romanian Academy, Geosciences section  
**Dragoş Ciuparu**, President, National Authority for Scientific Research, Romania  
**Mehmet Üzer**, General Directorate of Mineral Research & Exploration, Turkey  
**Mikhail Gubarev**, ROSNEFT – NTC, Russian Federation  
**Tamara Yegorova**, Institute of Gephysics, National Academy of Sciences Ukraine  
**Ivan Zagorchev**, Bulgarian Academy of Science  
**Shota Adamia**, Tbilisi State University, Georgia  
**Gary Ingram**, OMV Petrom  
**Gheorghe Oaie**, GeoEcoMar

10.30-11.00 **Coffee break**

11.00 -13.00 **Plenary Session**

### Keynote lectures

**Chairs: Dan Rădulescu, William Cavazza**

11.00 – 11.45 **William B.F. Ryan**

Transformation of the Black Sea from Lakes to Seas and Back Again Since the Miocene

11.45 – 12.30 **Nicolae Panin**



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

International Centre for Advanced Studies “Danube River – Danube Delta – Black Sea Geo-System” – A Romanian Initiative for Creating an International Centre Dedicated to Rivers – Deltas – Seas Systems

12.30-13.00

**Valentina Yanko-Hombach**

The IGCP 521-INQUA 0501 project “Caspian-Black Sea-Mediterranean Corridor during the last 30 ky: sea-level change and human adaptive strategies”: an outline

**13.00-14.30 Lunch break**

### Room Rive Gauche

#### 2 OCTOBER

##### **S1 – Tectonic evolution and geodynamics of the circum-Black Sea region**

**Chairs: Mircea Săndulescu, Yücel Yilmaz**

14.30-15.10

**Shota Adamia, V. Alania, A. Chabukiani, R. Chagelishvili, O. Enukidze, G. Jaoshvili, A. Razmadze, N. Sadradze**

Tectonic Setting of Georgia (Caucasus)

15.10-15.50

**Yücel Yilmaz**

Tectonic Evolution of the Pontides

15.50-16.30

**Ivan S. Zagorchev**

Cenozoic Block Rotations in the Balkan Peninsula

**16.30- 16.50 Coffee break**

16.50-17.10

**Marc Sosson, Carla Muller, Lilit Sahakyan, Yann Rolland, Marc Hassig, Ara Avagyan, Ghazar Galoyan**

Stratigraphy and Tectonics of the Paleocene-Eocene Flexural Basin of the Lesser Caucasus (Armenia): Consequences on the Cenozoic Geodynamics of Eastern Black Sea Region

17.10-17.30

**Okan Tüysüz**

Cretaceous to Miocene Tectonic Evolution of the Western and Central Pontides

17.30-17.40

**Mihai Tănasă**

Stratigraphic and Structural Considerations of South Dobrogea

#### 3 OCTOBER

##### **S2 – Tectonic evolution and geodynamics of the circum-Black Sea region – continued**

**Chairs: Shota Adamia, Ivan Zagorchev**



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

- 9.00-9.20 **I. Gamkrelidze, D. Shengelia, T. Tsutsunava, G. Chichinadze**  
Main Stages of Formation of Pre-Alpine Continental Crust of the Black Sea - Central Transcaucasian Terrane
- 9.20-9.40 **Aral I. Okay**  
Geological Evolution of the pre-Jurassic basement of the Sakarya Zone, Pontides, Turkey
- 9.40-10.00 **Yavuz Bedi, Emil Vasilev, Christo Dabovski, Ali Ergen, Adil Doğan, Cengiz Okuyucu, Iliana Boncheva, Valeri Sachanski, Iskra Lakova, Daria Ivanova, M. Cemal Göncüoğlu**  
The Napped Structure of the Istranca Crystalline Complex in NW Turkey and SE Bulgaria
- 10.00-10.20 **Halil Yusufoglu, Yavuz Bedi**  
The Neotectonic Characteristics of the Malatya Basin, Eastern Anatolia, Turkey
- 10.20-10.40 **Antoneta Seghedi**  
Models for the Cimmerian Structure of North Dobrogea

### 10.40-11.00 Coffee break

- 11.00-11.20 **F. Maisadze, Tamara Tsutsunava**  
On the Role of Event Deposits in Study of Paleo-Catastrophic Events
- 11.20-11.40 **M. Cemal Goncuoglu**  
Stepwise Accretion of Gondwana-derived NW Anatolian Terranes To Laurussia During The Paleozoic

### S3 – Basin inversion of the Black Sea: structural styles and basement controls

Chairs: Randell Stephenson, Sergiy Stovba

- 11.40-12.20 **Søren B. Nielsen**  
European Basin Inversion: History, Observations and Tests of Models
- 12.20-12.50 **Sergiy Stovba, Oxana Khriachtchevskaia**  
Driving and triggering mechanisms of inversion tectonics in the Ukrainian Black Sea
- 12.50-13.00 **Valentina Gobarenko, Tamara Yegorova, Randell Stephenson**  
Local Seismic Tomography Model of the Crust South of Kerch Peninsula (Crimea, Ukraine) from Records of Local Seismicity

### 13.00-14.00 Lunch break

- 14.00-14.20 **Igor Popadyuk**  
Crimea Mountains: the inversion? Of what?
- 14.20-14.30 **A. Tolkunov, G. Sydorenko, Z. Voitsytskyi, V. Starostenko, T. Yegorova, R. Stephenson, V. Omelchenko, M. Pobedash, N. Olyvach**  
Geological Structure of the North-western Terminus of the Eastern Black Sea Rift from New Regional CDP Profile DOBRE-2

### S4 – Geophysical investigation in the Black Sea region

Chairs: Victor Mocanu, Tamara Yegorova



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

- 14.30-14.50 **A. Bocin, R. Stephenson, L. Matenco, V. Mocanu**  
Local Gravity and Magnetic Modelling in the Vrancea Zone South-eastern Carpathians.  
Inferences on Basement Affinity at the Edge of the East European Craton
- 14.50-15.10 **Mihail Diaconescu, Zina Malita**  
Seismic Sources in the Black Sea Area
- 15.10-15.30 **H. Mert Küçük, Derman Dondurur**  
Seabed Morphology and Erosional Processes Offshore of Zonguldak, Central Black Sea

### S5 – Integrated management of coastal areas and coastal dynamics

Chairs: Adrian Stănică, Peter Barter

- 15.30-15.50 **Samantha Box, Adrian Stănică, Andy Parsons, J. McConkey, H. Jay, Viorel G. Ungureanu, S. Constantinescu, N. Pontee**  
Strategic assessment of erosion risk for the Romanian coast
- 15.50-16.10 **Hakeem Johnson, Darren Price, Sin Nyap Tan, Andy Parsons**  
Regional modelling of nearshore wave climate and sediment transport potential for the Black Sea coast of Romania
- 16.10-16.30 **Andy Parsons, Samantha Box, Peter Barter, S. Tiganeşcu, Adrian Stanica, J. McConkey, N. Pontee, M. Vrabete, C. Morgan**  
Developing a strategic coastal management framework for the Romanian coast

### 16.30-16.50 Coffee break

- 16.50-17.10 **Michael Stickley, Peter Barter**  
A system for improving the efficiency of management, analysis and quality control of coastal data
- 17.10-17.30 **Marco Bajo, Irina Dinu, Georg Umgiesser, Adrian Stanica**  
Modelling of the Black Sea and of the Danube Delta
- 17.30-17.50 **Irina Dinu, Marco Bajo, Georg Umgiesser, Adrian Stănică**  
Analysis of the current circulation along the Romanian Black Sea coast

## 4 OCTOBER

### S6 – Integrated management of coastal areas and coastal dynamics - continued

Chairs: Irina Dinu, Georg Umgiesser

- 9.00-9.20 **Christian Ferrarin, Georg Umgiesser, Andrea Cucco, Aaron Roland, Marco Bajo, S. Davolio, A. Buzzi, O. Drofa, Adrian Stanica**  
Kassandra: storm surge forecast system for the Mediterranean and the Black seas
- 9.20-9.30 **Florin Tătui, Alfred Vespremeanu-Stroe**  
Nearshore Sandbars Behavior on Sulina – Sf. Gheorghe Beach (Danube Delta Coast)



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

- 9.30-9.50 **Alfred Vespremeanu-Stroe, Ștefan Constantinescu, Luminița Preoteasa, Florin Tătui, Liviu Giosan**  
Is the Evolution Pattern of St. George (Danube) Arm Mouth Changing Today?

### S7 – Quaternary geology and sedimentology

**Chairs: Nicolae Panin, Valentina Yanko-Hombach**

- 9.50-10.10 **H. Mert Küçük, Derman Dondurur**  
Seabed Morphology and Erosional Processes Offshore of Zonguldak, Central Black Sea
- 10.10-10.30 **Livius V. Popa, Cornel Olariu, Adrian Stanica**  
Short term (decadal) river derived sediment depocenters and sedimentation rates in front of the Danube Delta, Black Sea
- 10.30-10.40 **Keith Richards, Suzanne Leroy, Klaus Arpe, Fabienne Marret, Robert Hoogendoorn, Salomon Kroonenberg**  
Fluctuations in Caspian Sea Level During the Quaternary: New Evidence From Palynology, Ostracods and Climate Modeling

### 10.40-11.00 Coffee Break

### S7 – Quaternary geology and sedimentology - continued

**Chairs: Tatiana Begun, Lee Bradley**

- 11.00-11.30 **Hans H. Trutnau**  
New Insight on Pleistocene to Holocene Black Sea-Marmara Connections
- 11.30-11.50 **Valentina Yanko-Hombach**  
Pleistocene Water Intrusions from the Mediterranean and Caspian Seas into the Black Sea: Comparison of Evidence from Benthic Foraminifera and Speleothems
- 11.50-12.10 **Lee BRADLEY**  
Assessing Salinity Changes on the South-Western Shelf of the Black Sea during the Holocene: A Combined Palynological and Ostracod Approach
- 12.10-12.30 **Andrey Chepalyga**  
High resolution multiscale stratigraphy of the Black sea Quaternary: marine, alluvial and loess-soil consequences

### S8 – Ecology, paleoenvironmental change and human response

**Chairs: Dan Secrieru, Fulya Yücesoy Eryilmaz**

- 12.30-13.00 **Marian Traian Gomoiu**  
Assessment of the Black Sea bio-productive potential as source of sedimentary processes – Case study: continental shelf along the Romanian Coast

### 13.00-14.00 Lunch break





## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

### S8 – Ecology, paleoenvironmental change and human response - continued

**Chairs: Dan Secrieru, Fulya Yücesoy Eryilmaz**

- 14.00-14.20 **Valentina Yanko-Hombach, Evgeny Shnyukov, Evheny Larchenkov, Irena Motnenko, Ol'ga Likhodedova, Sergey Kadurin, Irina Kulakova, Nikolay Maslakov, Sergey Kakaranza, Anna Kravchuk, Svetlana Kovalyshina, Tatiana Kondaryuk**  
Geological Influences on Methane Emissions of the Black Sea Floor and the Impact of Emissions on Meiobenthos
- 14.20-14.40 **Glicherie Caraivan, Constantina Fulga, Priscila Opreanu**  
The Holocene evolution of the Tasaul Lake area – Romanian Black Sea shore
- 14.40-15.00 **Fulya Yücesoy Eryilmaz, Mustafa Eryilmaz, Engin Meriç**  
Sedimentological and Geochemical methods used to Explore the Traces of Urban Life by Shallow Marine, Coastal and River Sediments Interaction in Holocene: An example of Yenikapı (İstanbul-Turkey)
- 15.00-15.20 **Mustafa Eryilmaz, Fulya Yücesoy Eryilmaz, Zeynep Özdemir**  
Interpretation of Istanbul Strait, Black Sea and Sea of Marmara Exit Recent Sediment Heavy Metal Concentrations with Environmental Conditions
- 15.20-15.40 **Adrian Teacă, Tatiana Begun**  
Spatial Macrozoobenthic Distribution Patterns in Relation to Major Environmental Factors – a Case Study from the Front of Danube Mouths (NW Black Sea)
- 15.40-16.00 **Glicherie Caraivan, Radu Dimitriu, Costina Fulga, Constantin Chera**  
New Geoarchaeological Research around the Danubian Island Păcuiul Lui Soare
- 16.00-16.10 **Sorin - Corneliu Rădan, Silviu Rădan, Camelia Vărzaru**  
Magnetic Susceptibility Calibration and Lithological Characterisation of the Lake Sediments from the Black Sea Littoral Zone (Romania): Natural and Anthropogenic Inferences
- 16.20-16.30 **Priscila-Ana Opreanu**  
Ostracoda Assemblages and Environmental Interpretation of Sedimentary Formations in the Black Sea

**16.30-16.50 Coffee break**

### S8 – Ecology, paleoenvironmental change and human response - continued

**Chairs: Adrian Teacă, Mustafa Eryilmaz**

- 16.50-17.10 **Valentin Poncos, Delia Teleagă, Gheorghe Oaie**  
Ground Surface Deformation Monitoring of the Danube Delta Using Interferometric Synthetic Aperture Radar Techniques
- 17.10-17.20 **Andrei Briceag, Marius Stoica, Gheorghe Oaie, Mihaela C. Melinte-Dobrinescu**  
Microfaunas and nanofloras from the Holocene deposits of the NW Black Sea
- 17.20-17.30 **Ch. Anagnostou, H. Kaberi, A.P. Karageorgis, N. Kafousia, Ch. Garoufalia**



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

Geochemistry and Anthropogenic Signals in Sediments Influenced by the Danube River, NW Black Sea

17.30-17.40 **Aristeidis Mertzanis, Adrian Stanică, Francesco Marabini, Andreas Papadopoulos, Anastasia Pantera**

Eco-environmental impacts and geomorphological changes on the coastal zone due to the large dams and reservoirs construction: The cases of the Danube (Black Sea), Arachthos and Alfeios river (Western Greece)

### Room Paris Droite

#### 2 OCTOBER

#### S9 – Petroleum geology of Black Sea region

**Chairs: Bogdan Popescu, Oxana Khriachtchevskaia**

14.30-15.10 **Oxana Khriachtchevskaia, Igor Popadyuk, Sergiy Stovba**

How many petroleum systems within the Odessa Shelf?

15.10-15.30 **Sergey Vakarchuk, Alexander Kitchka, Mykola Kharchenko, Tetyana Dovzhok**

De- Mystifying Maykopian Legacy: Lessons from Subbotin Oil Field, South Kerch Peninsula Offshore, Ukraine

15.30-15.50 **H. Mert Küçük, Derman Dondurur**

Shallow Gas and BSR Distributions Offshore of Zonguldak-Kozlu Region, Central Black Sea

15.50-16.10 **Özkan Özel, Derman Dondurur, Günay Çifçi**

Analysis of Shallow Gas Accumulations on the Western Black Sea Continental Slope Using Complex Trace Attributes

16.10-16.30 **Lucia-Elena Soveja, Veronica Borosi, Alina Tulucan, Camelia-Stanuta Ovessea**

Central-Western Moesian Platform regional chronocharts

#### 16.30- 16.50 Coffee break

#### S9 – Petroleum geology of Black Sea region – continued

**Chairs: Dorina Țambrea, Stephen J. Vincent**

16.50-17.10 **Jaume Gallemí, Iuliana Lazăr, Gregori López, Ricard Martínez**

The Albian to Coniacian macrofaunal distribution in Northern and Southern Dobrogea (SE Romania) revisited. Preliminary results

17.10-17.20 **Li Guo, Stephen J. Vincent, A. Sami Derman, Vladimir Lavrishchev**

Late Jurassic Reefs in the Russian Western Caucasus, Crimea and Pontides: Implications for the Eastern Black Sea

17.20-17.30 **Mihail Gubarev, Sergey Proshlyakov**



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

- 17.30-17.35 Prediction of lithology and pore pressure of Tuapse trough (Black Sea)  
**R. Kruglyakova, N. Shevtsova, M. Kruglyakova, V. Artemenko**
- 17.35-17.40 On the Question of Fluids Migrations on Shatskiy Ridge in the Black Sea  
**Sunjay Sunjay**
- 17.40-17.45 Exploration and Exploitation Strategies of Shale Gas  
**Mousa Sadaoui, R. Chaouchi, L. Remichi, F. Amrouche, S. Hafid**
- Identification and characterization of levels Sources Rocks of Tindouf basin. Algerian Sahara

### 3 OCTOBER

#### S 10 – Basin analysis, mineral and energetic resources

**Chairs: Corneliu Dinu, Georgi Georgiev**

- 9.00-9.20 **Georgi Georgiev and Hristo Dimitrov**  
Correlation Between Main Seismic Sequences in the Western Black Sea Basin and its Kamchia and Histria Western Branches
- 9.20-9.40 **Ana Bratu, Paul V. Grech, Relu Roban**  
Upper Cretaceous Carbonate Facies of the Istria Depression, Black Sea, Romania
- 9.40-10.00 **Georgi Georgiev and Hristo Dimitrov**  
Structure and Geological History of Kamchia Depression
- 10.00-10.20 **Otilia Nicolescu, Corneliu Dinu**  
The Transition Point from the Danube Channel to the Distributary Channel Complex from the Mid-Danube Fan Resulted from Seismic Sections
- 10.20-10.40 **Alina Floroiu, Marius Stoica, Ioan Munteanu, Corneliu Dinu**  
Upper Miocene-Pliocene Integrated Stratigraphy of NW Black Sea Shelf (Romania)

#### 10.40-11.00 Coffee break

- 11.00-11.20 **Dorina Tambrea, Ioan Munteanu, Corneliu Dinu, How Kin Wong**  
Comparative Subsidence History of the Stratigraphic Sequences Developed in Western Black Sea Offshore
- 11.20-11.40 **Jordan Jordanov, Nikola Sechkariov**  
Geology of the South Bulgaria Offshore. New Ideas

#### S 11 – Stratigraphy, palaeontology, sedimentology and paleoclimatology

**Chairs: Mihai Popa, Jean-Paul Saint Martin**

- 11.40-12.00 **Huriye Demircan**  
Trace fossils of middle-upper Eocene in Thrace Basin (NW Turkey)
- 12.00-12.20 **Paraschiv Valentin**  
Middle Miocene fossil algae from the western part of the Forecarpathian Basin, Romania



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

- 12.20-12.40 **M. Cemal Goncuoglu**  
Late Permian (Tatarian) Deposits in NW Anatolia: Paleogeographic Implications
- 12.40-12.50 **Iuliana Lazăr, Mihaela Grădinaru, Cristina Panaiotu, Lucian Petrescu**  
Discontinuities and condensed horizons in the Middle-Upper Jurassic succession from Bucegi Mountains (SE Carpathians)
- 12.50-13.00 **Jean-Paul Saint Martin, Sylvain Charbonnier, Simona Saint Martin, Gheorghe Oaie, Antoneta Seghedi, Philippe Richir**  
Evidence of Microbial Mats in the Ediacaran Deposits of Dobrogea (Romania)

### 13.00-14.00 Lunch break

### S 11 – Stratigraphy, palaeontology, sedimentology and paleoclimatology – continued

Chairs: Iuliana Lazăr, Huriye Demircan

- 14.00-14.20 **Cornel Olariu, Ronald J. Steel, Safiya M. Hassan**  
Grain Size Distribution in Fluvial Dominated Delta Front Deposits; Case Study from the Upper Cretaceous Panther Tongue, Utah, USA
- 14.20-14.50 **Silviu Rădan**  
Lateritic Episodes and Related Continental Deposits in Dobrogea (Romania): Palaeoclimatic and Palaeogeographical Implications
- 14.50-15.00 **Bogdan Gabriel Răţoi**  
Facies associations of the Miocene Shallow-water depositional system from the Eastern Carpathian foreland basins in the Roman area (Neamţ county)
- 15.00-15.10 **Vladimir Piskunov, Sergey Rudko, Evgenij Baraboshkin**  
Sedimentology And Structure of Upper Jurassic Clastic And Carbonate Deposits Of Demerdzi Plateau (SW Crimea)
- 15.10-15.20 **E.J. Baraboshkin, S.V. Rudko, V.K. Piskunov, A.J. Guszhikov, V.V. Arkad'ev, M.I. Bagaeva, V.A. Perminov, A.G. Manikin**  
Sedimentology of Jurassic and Cretaceous Boundary Deposits in the Feodosiya region (Eastern Crimea)
- 15.20-15.40 **Nicoleta Aniţai**  
The Biodiversity of Early Cretaceous Deposits from Alimanu Area, South Dobrogea, Romania

### S 12 – Petrology, volcanology, geochemistry, geochronology, mineral resources

Chairs: Uwe Kasper, Aral Okay

- 15.40-16.00 **Ivan S. Zagorchev, Constantin Balica, Ioan Balintoni, Evgeniya Kozhoukharova, Radu Dimitrescu, Gavril Săbău, Elena Negulescu**  
New Isotopic Data on the Metamorphic Rocks in SW Bulgaria
- 16.10-16.20 **Constantin Balica, Ion Balintoni, Antoneta Seghedi**  
Megina metamorphic sequence, a new gondwanan, Peri-amazonian terrane in North Dobrogea, Romania



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

16.20-16.30 **Constantin Balica, Ion Balintoni, Antoneta Seghedi**  
Late-Neoproterozoic Cadomian Granites and End-Paleozoic Variscan Granites in North Dobrogea, Romania

### 16.30-16.50 Coffee break

16.50-17.10 **Ioan Seghedi**  
Permian Rhyolitic Volcanism Shifting from Subaqueous to Subaerial: Sirinia Basin (SW Romania)

17.10-17.20 **O. Dudaui, M.Togonidze**  
Mesozoic Magmatism of Georgia (the Caucasus)

17.20-17.30 **Valentina Cetean**  
Mineral Resources from Dobrogea – Between Quality and Final Use

## 4 OCTOBER

### S 12 – Petrology, volcanology, geochemistry, geochronology, mineral resources - continued

Chairs: **Gavril Săbău , Orhan Yavuz**

9.00-9.20 **Kateryna Shniukova**  
Magmatism in the Junction Zone of the Scythian Platform, Western Black Sea and Mountainous Crimea

9.20-9.40 **Ioan Seghedi, Paul R. D. Mason**  
Complex magmatic processes in the Miocene-Quaternary East Carpathian volcanic chain, Romania: a mineral chemistry and melt inclusion study

9.40-10.00 **Elena Negulescu, Gavril Săbău**  
A low variance mineral assemblage in the Bughița Albeștilor eclogites (Leaota Massif, South Carpathians)

10.00-10.20 **Orhan Yavuz, Yücel Yilmaz**  
Petrographic and Geochemical Characteristics of Volcano-Sedimentary Facies along the Black Sea Coasts of the Northwest Turkey

10.20-10.40 **Antoneta Seghedi, Gheorghe Oaie**  
Late Cretaceous volcanoclastic turbidites of the Coșuștea Nappe in the South Carpathians – Source Areas and Geotectonic setting

10.40-10.20 **Evgeny Shnyukov , Nikolay Maslakov, Valentina Yanko-Hombach**  
Gold content of sediments in the Ukrainian sector of the Azov-Black Sea basin

10.20-10.40 **Luminita Lazăr, Marian-Traian Gomoiu, Dan Vasiliu**  
Total organic carbon (TOC %) of the sediment surface layer covering the seafloor of the Romanian Black Sea coastal area

### 10.40-11.00 Coffee break

11.00-11.20 **Andra Oros, Marian-Traian Gomoiu**



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

Heavy metals in the components of the Romanian Black Sea Shelf ecosystem – an overview for the last decade

### S 13 – Paratethys Evolution

**Chairs: Dan Jipa, William B.F. Ryan**

- 11.20-11.45 **D.M. Cohen, W.B.F. Ryan, C.O. Major, S.L. Goldstein, L.D. Pena, P. Dimitrov, D. Dimitrov**  
Post Glacial Evaporative Drawdown of the Black Sea Lake
- 11.45-12.10 **Arjan de Leeuw, Wout Krijgsman, Klaudia Kuiper, Krzysztof Bukowski, Pasha Karami, Sorin Filipescu, Liviu Mațenco, Marius Stoica**  
Miocene Evolution of the Central Paratethys: Insights from Chronostratigraphic, Paleomagnetic and Numerical Modelling Studies
- 12.10-12.35 **Dan C. Jipa**  
Upper Neogene Source-to-Sink Systems in the Area between the Romanian Carpathians and the Black Sea Depression
- 12.35-13.00 **René R. Winter, Cornel Olariu, Ioan Munteanu, Otilia Nicolescu**  
Deep Water Deposits of the northwestern Black Sea: Impact of the Mediterranean Salinity Crisis

**13.00-14.00 Lunch break**

### S 14 – Protected areas of the Black Sea region

**Chairs: Alexandru Andrășanu, Todor Todorov**

- 14.00-14.30 **Marian Traian Gomoiu**  
Old, new and unwritten files in the Danube Delta book
- 14.30-15.00 **Brian Cooley**  
Sculpting Scientifically Accurate Dinosaur Sculptures
- 15.00-15.30 **Alexandru Andrășanu**  
Conservation of the Geological Heritage in Dobrogea
- 15.30-16.00 **Todor Todorov**  
PROGEO and its Major Project on Geoconservation in Europe
- 16.00-16.30 **Alexandra-Maria Hillebrand**  
Limanu And Movable Caves – Two Completely Different Natural Reserves, Parts of One Natura2000 Site

**16.30-16.50 Coffee break**

- 16.50-17.10 **Todor Todorov, Radoslav Nakov**  
Geoparks in Bulgaria: Dormant Present and Future Potential
- 17.10-17.30 **Antoneta Seghedi**  
Geological Heritage of North Dobrogea – Between Protection and Threat



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

### POSTERS – displayed from 2-4 October 2011

**Ch. Anagnostou, H. Kaberi, A.P. Karageorgis, N. Kafousia, Ch. Garoufalia**

Geochemistry and Anthropogenic Signals in Sediments Influenced by the Danube River, NW Black Sea

**Nicoleta Anițai**

The Biodiversity of Early Cretaceous Deposits from Alimanu Area, South Dobrogea, Romania

**Andrei Briceag, Marius Stoica, Gheorghe Oaie, Mihaela C. Melinte-Dobrinescu**

Microfaunas and nannofloras from the Holocene deposits of the NW Black Sea

**Valentina Cetean**

Mineral Resources from Dobrogea – Between Quality and Final Use

**O. Dudaui, M.Togonidze**

Mesozoic Magmatism of Georgia (the Caucasus)

**Valentina Gobarenko, Tamara Yegorova, Randell Stephenson**

Local Seismic Tomography Model of the Crust South of Kerch Peninsula (Crimea, Ukraine) from Records of Local Seismicity

**Li Guo, Stephen J. Vincent, A. Sami Derman, Vladimir Lavrishchev**

Late Jurassic Reefs in the Russian Western Caucasus, Crimea and Pontides: Implications for the Eastern Black Sea

**Viktor Kishliariuk**

Late Holocene reconstruction of facies from Low Dniester region

**Viktor Kishliariuk**

Antropotafocomplex from the ancient settlements of Low Dniester region

**Khvorosch Alex**

Landslides Formations In World Ocean

**R. Kruglyakova, N. Shevtsova, M. Kruglyakova, V. Artemenko**

On the Question of Fluids Migrations on Shatskiy Ridge in the Black Sea

**Mihail Gubarev, Sergey Proshlyakov**

Prediction of lithology and pore pressure of Tuapse trough (Black Sea)



## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

**Luliana Lazăr, Mihaela Grădinaru, Cristina Panaiotu, Lucian Petrescu**

Discontinuities and condensed horizons in the Middle-Upper Jurassic succession from Bucegi Mountains (SE Carpathians)

**Gilles Lericolais, Guillaume Soulet**

Seven major observations in the Black Sea in favour of a Holocene rapid transgression

**Sofia A. Mazlumyan, N. G. Sergeeva, M. N. Çağatay**

Taxonomical diversity of meiobenthic communities of the Istanbul Strait's (Bosporus) outlet area of the Black Sea

**Aristeidis Mertzanis, Adrian Stanică, Francesco Marabini, Andreas Papadopoulos, Anastasia Pantera**

Eco-environmental impacts and geomorphological changes on the coastal zone due to the large dams and reservoirs construction: The cases of the Danube (Black Sea), Arachthos and Alfeios river (Western Greece)

**Otilia Nicolescu, Corneliu Dinu**

The Transition Point from the Danube Channel to the Distributary Channel Complex from the Mid-Danube Fan Resulted from Seismic Sections

**Priscila-Ana Opreanu**

Ostracoda Assemblages and Environmental Interpretation of Sedimentary Formations in the Black Sea

**Vladimir Piskunov, Sergey Rudko, Evgenij Baraboshkin**

Sedimentology And Structure of Upper Jurassic Clastic And Carbonate Deposits Of Demerdzi Plateau (SW Crimea)

**Sorin - Corneliu Rădan, Silviu Radan, Camelia Vărzaru**

Magnetic Susceptibility Calibration and Lithological Characterisation of the Lake Sediments from the Black Sea Littoral Zone (Romania): Natural and Anthropogenic Inferences

**Bogdan Gabriel Rățoi**

Facies associations of the Miocene Shallow-water depositional system from the Eastern Carpathian foreland basins in the Roman area (Neamț county)

**Keith Richards, Suzanne Leroy, Klaus Arpe, Fabienne Marret, Robert Hoogendoorn, Salomon Kroonenberg**

Fluctuations in Caspian Sea Level During the Quaternary: New Evidence From Palynology, Ostracods and Climate Modeling

**Jean-Paul Saint Martin, Sylvain Charbonnier, Simona Saint Martin, Gheorghe Oaie, Antoneta Seghedi, Philippe Richir**

Evidence of Microbial Mats in the Ediacaran Deposits of Dobrogea (Romania)





## The 3-rd International Symposium on the Geology of the Black Sea Region – 3-rd ISGB

**Mousa Sadaoui, R. Chaouchi, L. Remichi, F. Amrouche, S. Hafid**

Identification and characterization of levels Sources Rocks of Tindouf basin. Algerian Sahara

**Sunjay Sunjay**

Exploration and Exploitation Strategies of Shale Gas

**Mihai Tănasă**

Stratigraphic and Structural Considerations of South Dobrogea

**A. Tolkunov, G. Sydorenko, Z. Voitsytskyi, V. Starostenko, T. Yegorova, R. Stephenson, V. Omelchenko, M. Pobedash, N. Olyvach**

Geological Structure of the North-western Terminus of the Eastern Black Sea Rift from New Regional CDP Profile DOBRE-2

**Stela Uruioc, Smaranda Mășu, Mariana Albulescu, Vesna Krstić**

Heavy metals distribution in soil developed on mining area from SW Romania and their transfer to spontaneous flora

**Dan Vasiliu, Laura Boicenco, Luminita Lazar, Marian Traian Gomoiu**

Seasonal dynamics of surface chlorophyll *a* in the Romanian inner shelf waters

**Lilia Yesina, Alex Khvorosch**

Formation and Evolution of Particular Features of the Sediment Strata in the Northeastern Part of Black Sea