



4th Bi-annual Black Sea Scientific Conference



Black Sea - Challenges Towards Good Environmental Status

Back-to-back events

Celebration of the International Black Sea Day - 2013

International Symposium "Protection and Sustainable Management of the Black Sea – 3rd Millennium Imperative"- 6th Edition

Jointly organized by

The Commission on the Protection of the Black Sea Against Pollution (Black Sea Commission)

Ministry of Environment and Climate Changes of Romania

National Institute for Marine Research and Development “Grigore Antipa” (NIMRD)
Constanta, Romania

With the support of

Sponsors to be added in the 2nd announcement

Conference venue: Constanta, Romania

Conference dates: 28 – 31st October, 2013

SCOPE

To continue the concerted efforts initiated by the previous BSC scientific conferences to use science and information technology to understand and deal with the environment problems of the Black Sea, to strengthen science/policy interface and regional cooperation towards better governance of environment protection to preserve the Black Sea ecosystem as a valuable natural endowment of the region, while ensuring the sustainable use of its marine and coastal resources for the economic development, well-being, health and security of the population of the Black Sea coastal States.

The Conference will take place back-to-back with the Black Sea Day - 2013 and the NIMRD International Symposium “Protection and Sustainable Management of the Black Sea Ecosystem – 3rd Millennium Imperative” – 6th edition.

OBJECTIVES

- *Provide the opportunity to the scientific community to meet and to discuss their achievements in order to improve scientific basis for the implementation of the Black Sea Strategic Action Plan*
- *Update the knowledge on the Black Sea ecosystems identifying the gaps in the scientific data/information; revise the environment priorities and way forward to achieve good environmental status of the Black Sea*
- *Discuss and assess the climate forcing mechanisms of physical, biological and biogeochemical processes at various time-spatial scales*

- *Review the decision-support tools available in the Black Sea region and give recommendations for further developments and their use in the implementation of the BS SAP*
- *Continue the integration of science in decision-making in the field of marine environment protection*

CONFERENCE SESSIONS

Session 1: Pollution and eutrophication

Topics:

- ◆ oil pollution and oil spills
- ◆ land-based sources of pollution
- ◆ eutrophication
- ◆ contamination of water, sediments and biota (reference condition, target levels)
- ◆ methodologies for water quality towards GES
- ◆ environmental aspects of shipping

Session 2: Biodiversity and ecosystem functioning

Topics:

- ◆ plankton and benthic populations: long-term changes, distribution patterns and trends
- ◆ non-native species: trends in occurrence, spatial and temporal distribution
- ◆ food webs structure and functioning; long-term changes and trends
- ◆ marine habitats: present status and trends; habitats classification and mapping
- ◆ reference conditions and environmental targets
- ◆ biodiversity indicators development towards good environmental status of the Black Sea

Session 3: Socio-economic impact on marine environment

Topics:

- ◆ Fisheries and aquaculture, tourism, exploration and exploitation of non-living resources, oil and gas industry, alternative energy
- ◆ Marine industries and urban development
- ◆ policy and management options for recovery of the Black Sea resources

Session 4: Integrated Coastal Zone Management

Topics:

- ◆ Marine spatial planning, state of the Black Sea coast
- ◆ Marine and coastal protected areas
- ◆ Coastal erosion

Session 5: Climate change and its impact on marine ecosystems

Topics:

- ◆ Change in CO₂ fluxes, carbon sequestration, biogeochemical cycles, acidification, hydrology, hydrophysics

Session 6: Ecosystem modelling

Topics:

- ◆ Recent ecosystem modelling activities in the Black Sea region

All sessions

- ◆ Information gaps - identification of gaps in knowledge, policy, legislation

Special sessions (31st October, 2013):

- ◆ **Celebration of the International Black Sea Day - 2013**
- ◆ **Protection and Sustainable Management of the Black Sea Ecosystem – 3rd Millennium Imperative – International Symposium, 6th Edition**

The Conference sponsors will be offered the possibility to present their activities and achievements in the field of environment protection within the relevant sessions.

IMPORTANT DATES

First announcement: **March 2013**, including call for abstracts.

Second announcement: **May 2013**

Deadline for registration and abstracts: **31 July 2013**

Deadline for papers: **will be announced during the Conference**

Announcements will be on BSC website; projects linked with Black Sea will make announcement too, with link to the BSC website. Conference announcements will be widely distributed to all the project consortia working in the Black Sea.

ORGANIZING COMMITTEE

Permanent Secretariat of the Black Sea Commission (BSC PS)

National Institute for Marine Research & Development “Grigore Antipa” (NIMRD) Constanta, Romania

INTERNATIONAL SCIENTIFIC COMMITTEE (provisional)

Prof. Dr. Boris Alexandrov – IBSS-NASU, Odessa, Ukraine
Prof. Dr. Ferdinando Boero – University of Salento, Lecce, Italy
Prof. Dr. Marian-Traian Gomoiu – GeoEcoMar, Constanta, Romania
Dr. Mamuka Gvilava – GeoGraphic, Tbilisi, Georgia
Dr. Galina Minicheva – IBSS-NASU, Odessa, Ukraine
Dr. Snejana Moncheva – IO-BAS, Varna, Bulgaria
Dr. Eng. Simion Nicolaev – NIMRD, Constanta, Romania
Prof. Dr. Temel Oguz – METU, Erdemli, Turkey
Dr. Andra Oros – NIMRD, Constanta, Romania
Prof. Dr. Bayram Öztürk – Istanbul University, Turkey
Prof. Dr. Evangelos Papathanasiou – HCMR, Athens, Greece
Dr. Colpan Polat-Beken – TUBITAK, Marmara Research Centre, Turkey
Prof. Dr. Alexander Polonsky – IBSS-NASU, Sevastopol, Ukraine
Dr. Barış Salihoglu – IMS-METU, Erdemli, Turkey
Prof. Dr. Tamara Shiganova – P.P. Shirshov Institute, Moscow, Russian Federation
Dr. Valentina Todorova – IO-BAS, Bulgaria
Prof. Dr. Fokion Vosniakos – University of Thessaloniki, Greece
Dr. Eng. Tania Zaharia – NIMRD Constanta, Romania

REGISTRATION FEE

- ◆ 50 Euro to be paid at the Registration Desk of the Conference that will cover:
 - ✓ Conference materials
 - ✓ Book of Abstracts
 - ✓ Access to the Conference Sessions
- ◆ Graduate students will be charged 25 Euro (documents certifying the students status are needed)
- ◆ Participants from different projects are kindly expected to pay the Conference fee from their project budget.

PUBLICATION

All authors (oral and poster presentations) will have an equal opportunity to publish their conference contributions. The selection will be based on peer-review of the manuscript by the members of the International Scientific Committee and external experts. Final selection of papers for publication will take place after the conference based on paper content and presentation/poster given.

The BSC PS will explore the possibility to publish the selected papers in a peer-review international journal (preferably SCI indexed).

CONTACT

Permanent Secretariat of the Black Sea Commission (BSC PS) (conference@blacksea-commission.org)

LOCAL TECHNICAL COMMITTEE - NIMRD CONSTANTA, ROMANIA

Dr. Simion Nicolaev
Dr. Tania Zaharia
Dr. Luminita Buga
Dr. Florin Timofte
Dr. Valodea Maximov
Mr. Marius Nedelcu
Dr. Mariana Golumbeanu
Ms. Magda Nenciu

REGISTRATION FORM

Attached

ABSTRACT

The participants in the Conference are expected to prepare the Abstract according to the format bellow.

Title

**Your Paper's Title Starts Here: Please Center
use Helvetica (Arial) 14pt**

First Author^{1, a}, Second Author^{2, b} and Others^{3, c}

¹Full address of first author, including country

²Full address of second author, including country

³List all distinct addresses in the same way

^aemail, ^bemail, ^cemail

Keywords: List the keywords covered in your paper. These keywords will also be used by the publisher to produce a keyword index (Arial 11pt).

For the rest of the abstract, please use Times Roman (Times New Roman) 12pt. The text area for your abstract must be 17 cm wide and 25 cm high and centered in the sheet of A4 paper. Do not place any text outside this area. The paper size should be 21 x 29.7 cm (please do not change the document setting from A4 to letter). Your abstract will be reduced by approximately 20% by the publisher. Please keep this in mind when designing your figures and tables etc.

The abstracts should fit into one page.

There should be no section headings in the abstract, but the following information is mandatory: aim/hypothesis, materials and methods, major findings relevant to the topic of the session. Abstracts that do not conform to this format will not be considered.

Use *italic* for emphasizing a word or phrase. Do not use boldface typing or capital letters. Do *not* print page numbers.

Tables (Only 1) Table is allowed, presented as part of the text. The caption should be self-contained and placed *above or beside* the table. Units in tables should be given in square brackets [meV].

Figures (Only 1) also should be presented as part of the text, leaving enough space so that the caption will not be confused with the text. The caption should be self-contained and placed *below or beside* the figure. Generally, only original drawings or photographic reproductions are acceptable. Half-tone pictures should be in the form of glossy prints. If possible, please include your figures as graphic images in the electronic version. For best quality the pictures should have a resolution of 300 dpi (dots per inch).

Avoid equations in the abstract, but if crucial the Equations (refer with: Eq. 1, Eq. 2, ...) should be indented 5 mm (0.2"). There should be one line of space above the equation and one line of space below it before the text continues. The equations have to be numbered sequentially, and the number put in parentheses at the right-hand edge of the text. Equations should be punctuated as if they were an ordinary part of the text. Punctuation appears after the equation but before the equation number, e.g.

$$c^2 = a^2 + b^2. \quad (1)$$

Literature references (if necessary) are cited in the text just by square brackets [1]. Two or more references at a time may be put in one set of brackets [3,4]. The references are to be numbered in the order in which they are cited in the text and are to be listed at the end of the contribution under a heading *References* (Not more than 4 references in the Abstract).

Only electronically submitted abstracts will be accepted, as attachment to the Registration form. The abstract should be submitted in MS Word format (*.doc) and named as follows: ***Lastname_Firstname_x.doc*** where

Lastname and **Firstname** should be the last name and the first name of the first author
x - should be Number of the session

The Registration Form (together with the Abstract, if any) should be sent electronically to the address of the BS GES-2013 Conference (conference@blacksea-commission.org) not later than **31st July, 2013**.