



2nd Biannual and Black Sea SCENE EC Project Joint Conference

CLIMATE CHANGE IN THE BLACK SEA

**HYPOTHESIS, OBSERVATIONS, TRENDS,
SCENARIOS AND MITIGATION STRATEGY FOR THE
ECOSYSTEM**

BS - H  T' 2008

JOINTLY ORGANIZED BY

**THE COMMISSION ON THE PROTECTION OF THE BLACK SEA AGAINST
POLLUTION**

&

BLACK SEA SCENE – EC 6th FRAMEWORK PROJECT

With the support of

INSTITUTE OF OCEANOLOGY

GEF/UNDP/BSERP

BALKAN ENVIRONMENT ASSOCIATION

TUDAV

ISTANBUL UNIVERSITY

UNDER THE AUSPICE

Ministry of Environment and Water – Bulgaria
Bulgarian Academy of Sciences

Conference venue: Park-Hotel Moskva, Sofia, Bulgaria
Conference Dates: 6-9 October 2008



SCOPE

To initiate a concerted effort to use science, information technology and policy measures to understand and deal with the consequences of global warming in the Black Sea towards better governance, sustainable exploitation of resources and conservation of the marine environment.

OBJECTIVES:

- synthesize regional and basin-wide studies and provide a forum for the integration of climate change -related results, data and hypotheses;
- discuss and evaluate climate forcing mechanisms of physical, biological and biogeochemical processes at various time-spatial scales
- formulate projections and future scenarios of economic and sociological impacts of a changing ecosystem on the coastal communities and resource users
- frame scientific, technological and policy measures against global warming towards sustainable ecosystem management

Abstracts can be submitted for one of the 4 sessions until March 31st.

CONFERENCE SESSIONS

Day 1: Session 1. Climate forcing mechanisms in the Black Sea

Day 2: Session 2. Black Sea Ecosystem responses to climate change

Day 3: Session 3. Data availability and data base management – what data do we still need to find, digitize, and make available?

Day 3: Session 4. Economic and sociological impacts on the coastal Black Sea communities and resource users – management scenarios and measures

TOPICS

Session 1

- ✓ Hydrometeorological and physical changes in the Black Sea,
- ✓ Atmospheric pollution and biogeochemical cycles alterations

Session 2.

- ✓ [Coastal environment](#) vulnerability to climate change (natural hazards (flooding), sea level rise and coastal erosion)
- ✓ Climate change and cumulative impacts of multiple drivers on biological diversity
- ✓ Indicators of ecosystem changes (ecosystem biodiversity, productivity, structure, function, including measurable variables)
- ✓ Trophodynamic and spatial transitions in size-spectra and food web structure – matches and mismatches
- ✓ Processes controlling energy pathways changes: life-history strategies, turnover rates and physical habitat interactions

Session 3.

- ✓ Black Sea Environmental Data Bases – projects output, (data bases, services , results implementation)
- ✓ Data Quality Control and Data Quality Assessment
- ✓ Black Sea virtual data & information infrastructure (DQC Content Manangement System)

Session 4.

- ✓ Climate change and Black Sea living resources – challenges for sustainable exploitation
- ✓ Socio-economic impacts and policy scenarios
- ✓ Our responsibility under Global Warming

All sessions

- ✓ Information gaps – gaps in knowledge, data, policy and legislation

IMPORTANT DATES

Deadline for registration and abstract submission - 31 March 2008

Notification of abstract acceptance – 30 April 2008

Second Conference circular and preliminary program - 30 June 2008

Full paper submission – 31 July 2008

Final Conference program – 15 September 2008

INTERNATIONAL ORGANIZING COMMITTEE

Dr. Snejana MONCHEVA - IO-BAS Varna, Bulgaria

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Mr. Peter DAVIS – MARIS, The Netherlands

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Prof. Emil Stanev – GKSS Research Center, Geesthacht, Germany
Dr. Atanas Palazov – IO-BAS, Varna, Bulgaria

REGISTRATION FEE: 50 Euro

PhD students will be charged 25 Euro, please bring document certifying that you are student.
The Registration Fee will be paid at the Registration Desk. It will cover:
Conference Materials
Book of Abstracts and full paper on CD
Access to the Conference Sessions and Exhibition

Sponsorship: A number of young researchers/PhD students will be fully sponsored by the organizers. The selection will be based on the quality of the Abstract.

Publication: All authors (oral and poster presentations) will have an equal opportunity to publish the conference contributions in the B.EN.A International Journal on Environmental Protection and Ecology (**JEPE**). The selection will be based on peer-review of the manuscript by the members of the International Scientific Committee and an external expert. The manuscripts should be prepared according to the JEPE Author Guidelines.

CONTACT

"BS-HOT'2008" - Conference Secretariat
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LOCAL TECHNICAL COMMITTEE

Maria Teohareva – TUV, Varna, Bulgaria
Eleonora Racheva – IO-BAS, Varna, Bulgaria
Kiril Iliev, Black Sea Commission Permanent Secretariat
Sabina Salpagarova, Black Sea Commission Permanent Secretariat

ABSTRACT. Please, prepare the Abstract according to the format bellow

Only electronically submitted abstracts will be accepted, inserted as attachment in 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 lastname and the firstname 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-HOT'2008 Conference secretariat: bs-hot@io-bas.bg not later than **31 March 2008**. Or you may alternatively use the on-line Registration and Abstract submission on the WEB page of the Conference: www.blacksea-commission.org/bs-hot/

REGISTRATION FORM

2nd Biannual and Black Sea SCENE EC Project Joint Conference

Black Sea – HOT'2008

6-9 October 2008, Park Hotel Moskva, Sofia, Bulgaria

Title First name Last name

Institution Address

Country

Email address

Tel1, tel 2, fax

Title of paper* / Abstract*

Session

* Fields which are not mandatory