

## Common borders. Common solutions.

# BSB Net-Eco

## A Transnational BSB JOP Project

BSB Net-Eco is a 24 month's project (5th July 2013 - 4th July 2015) started under the Black Sea Basin Joint Operational Programme 2007-2013.

The project involves 6 partners (Universities and Institutions) coming from 5 European countries (MD, RO, GR, TR, UA).

The overall objective of the project is:

- A) to improve the ability of the black sea basin national and coastal authorities to respond timely and effectively to water pollution and
- B) strengthen the joint knowledge and information base needed among partners, target groups and final beneficiaries on addressing the common challenges of water pollution in black sea basin marine and river environment.

Throughout the project's life, the 6 partners will study and research specific issues of the water environment of the black sea basin, as well as formalise methodological, operational and computational tools on pollution prevention and monitoring. Project will be accompanied with training, seminars, workshops, study visits, academic actions and policy recommendations. The results of the project will be broadly disseminated and available in public.



Welcome to the inaugural issue of the official quarterly e-newsletter of the BSB Net-Eco project!

In this and subsequent issues, the e-newsletter will report on achieved results of BSB Net-Eco project activities, while also serving as a gateway for relevant stakeholders and the general public to learn more about the project.

The main activities foreseen to be implemented include:

- Study, monitoring and reporting on the surface, underground and waste waters from specific areas of the black sea basin.
- Research of laser induced fluorescence and spectral features of natural waters and development of fiber-optic laser fluorometer instrument appropriate to measurements in aquatic media for the real-time detection of organic pollutants, dissolved organic matter of natural origin and phytoplankton.
- Research and development of efficient sorbents with improved selectivity on base of specifically modified diatomite for defluorination of underground drinking water and potential oil pollution removal.
- Development of a 3-D oil spill transport and fate model for optimization of the necessary organizational and response actions by the oil pollution combating responsible authorities.
- Research of current state of biodiversity in coastal waters of the east part of Crimea and in rivers and inland waters of eastern black sea region of Turkey for assessment of water pollution impact on stability and functioning of ecosystems.

The project aim to address a broad range of interested parties (target groups and final beneficiaries), such as:

- national and EU bodies responsible for pollution prevention,
- port authorities, oil refineries, state and private companies involved in oil handling / transportation,
- public and business structures of the coastal areas,
- medical institutions,
- universities and research institutions,
- administrations for natural protected areas,
- population of partner countries and beyond,
- public and private entities specialized in: water treatment, sustainable tourism and recreation, fishery and fish farming, ecological agriculture, water treatment, oil spill response, ecological agencies.



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## Kick-off Meeting Held in Tulcea-Romania on 18.09.2013

The kick-off project Steering Committee Meeting took place in Tulcea (Romania) on 18th of September 2013 and has been hosted by the Danube Delta National Institute for Research and Development.

The meeting was opened by Mrs Liliana Török, Scientific Director of the DDNIRD, who made official welcome remarks on behalf of the host Institution.

Dr. Dmitri Dvornikov, project coordinator, expressed the expectations for good practical results and presented the overall project life-cycle in terms of managerial, financial and scientific procedures.

The meeting followed a definition of the base elements for the BSB Net-Eco project and its planning activities, introduced the members of the project teams and provided the opportunity to discuss the role and contribution of each project partner.

During the meeting, an extended discussion done on the risks and issues involved, particularly those that may affect project schedules and output/result indicators.

The meeting was, among others, a great chance for all partners to familiarize with each other and set the basis for a successful continuation.



## Project consortium 6 Partners from 5 EU Countries

The BSB Net-Eco consortium is composed by six partners (Universities and Institutes) coming from five European countries and all together will guarantee both the achievements of the BSB Net-Eco objectives and a large promotion and diffusion of the project approach and expected results.

The Institute of Electronic Engineering and Nanotechnologies of the Academy of Sciences of Moldova is the lead partner of the consortium, driven by Dr. Dmitri Dvornikov ([dvornikov@inbox.ru](mailto:dvornikov@inbox.ru)), scientific coordinator of the project, supported by Mrs. Lucia Botoroga.

The project team coming from the Danube-Delta National Institute for Research and Development, set in Tulcea-Romania, is led by Dr. Liliana Török ([liliana@indd.tim.ro](mailto:liliana@indd.tim.ro)), scientific director of the Institute, supported by Dr. Orhan Ibram & Mrs Raluca Bozagevici.

The research team of the Aristotle University of Thessaloniki (Greece) is coming from the Civil Engineering Department and is represented by Prof. Christoforos Koutitas ([koutitas@civil.auth.gr](mailto:koutitas@civil.auth.gr)), Lect. Antigoni Zafeirakou and Dr. Georgios Palantzas.

The Institute of Ecology and Geography, coming also from the Academy of Sciences of Moldova, is led by the project by Dr. Raisa Lozan ([rmlozan@yahoo.com](mailto:rmlozan@yahoo.com)) and Prof. Anatolie Tarita.

The Kerch State Maritime Technological University (Ukraine) is scientifically represented by the research team of Prof. Evgeniy Masyutkin, Dr. Vladislav Krakatitsa ([alevtina.1949@bk.ru](mailto:alevtina.1949@bk.ru)) and Dr. Irina Charova.

Lastly, the Karadeniz Technical University from Turkey is scientifically driven in the project by Prof. Kadir Seyhan ([kseyhan.1962@gmail.com](mailto:kseyhan.1962@gmail.com)) and Dr. Nigar Alkan, from the Faculty of Marine Sciences.



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## Calendar

### Upcoming events and actions

> *BSB Net-Eco website (10/2013)*

The project website ([www.ddni.ro/bsbneteco](http://www.ddni.ro/bsbneteco)) is under development and will provide all necessary information about the BSB Net-Eco project, its evolution and outcomes. It will be very soon in full operational mode.

> *Expert seminar (12/2013)*

To be organized by IEG in Chisinau on results and practices of monitoring of surface and underground waters in Lower Prut and Dniestr rivers.

> *Expert seminar (12/2013)*

To be organized by KTU in Trabzon on results and practices of monitoring of waters in Caglayan, Firtina and Ikizdere rivers.

> *Expert seminar (01/2014)*

To be organized by IEEN in Chisinau on optical and laser spectroscopy methods for environmental monitoring.

> *Expert seminar (03/2014)*

To be organized by DDNIRD in Tulcea on results and practices of monitoring of surface waters in Lower Danube.

> *Steering Committee Meeting (03/2014)*

To be organized and hosted by KTU in Trabzon.

For final dates please consult the online BSB Net-Eco calendar, available at project website.



#### Availability:

The e-newsletter is public available on the web at:  
<http://www.ddni.ro/bsbneteco>

#### Information:

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