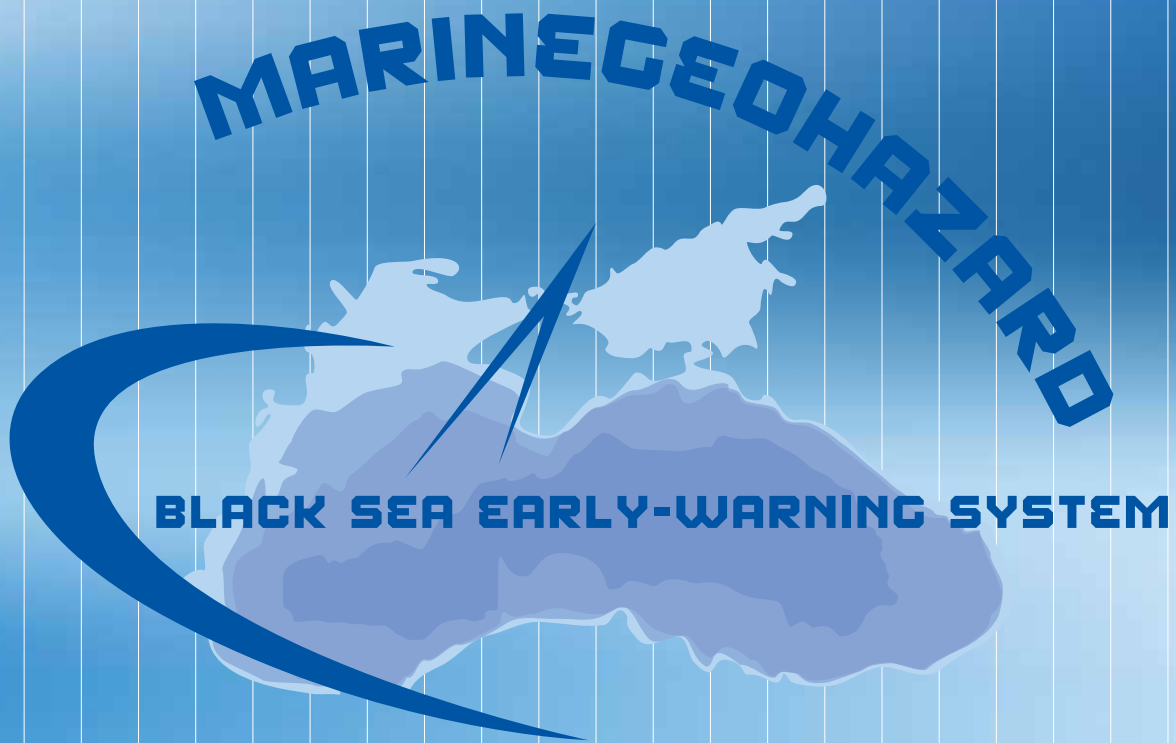




MARINE GEOHAZARD

Set-up and implementation of key core components of a regional early-warning system for marine geohazards of risk to the Romanian-Bulgarian Black Sea coastal area



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In this issue:

- MARINEGEOHAZARD, Progress Report
- MARINEGEOHAZARD in Romanian and international press

MARINEGEOHAZARD, Progress Report

The CBC Romania - Bulgaria project MARINEGEOHAZARD came into last month of deployment, the date of concluding the contract being June 2013. Currently, the intensive works are focused on commissioning of equipment within Euxinus and GeoPontica Networks, including the facilities for seismic and tectonic monitoring of the Romanian and Bulgarian coast of the Black Sea.

According with the contracts signed with the suppliers, during April-May 2013 were held a number of training courses, both for GeoPontica GNSS Net-

work equipment, as well as for specialized software and for the scripts stored in monitoring - warning centers from Constanta (Branch of NRD GeoEcoMar) and Varna (Headquarters of IO-BAS), as part of the EUXINUS Network. The courses were delivered by international experts with experience in marine geohazards. A final course module will be supported after the commissioning of the systems.

We have to emphasize that the courses organized by NRD GeoEcoMar and IO-BAS, were attended by representatives of the project partners, Inspectors for Emergency Situations of Staff of the Navy, Border Police, and specialists from universities and representatives of local communities .

In order to implement the project, in the last week of May, 2013, NRD GeoEcoMar, as coordinator of the project, will hold its final meeting of the Steering Committee and of the Advisory Board, to which were invited to attend personalities from the marine geohazards domain from the European Commission - Joint Research Centre (JRC), EMSO-ERIC and from universities (Turkey, Bulgaria).

According to the Achievement plan of the project, starting with the beginning of 2013, were implemented, as follows:

GeoPontica Network - 16 of 18 GNSS stations installed and tested;



Photo 1 - GeoPontica Network - GNSS Kaliakra Station (Bulgaria)

Strong motion seismometers - 5 of 5 systems installed, tested and ready to work;

Coastal gauge - delivered and installing;

EUXINUS network - 5 marine buoys - scientific sensors delivered and installing;

Coastal Network of Seismic Monitoring - 3 of 3 systems installed, tested and ready to work;



Photo 2 and 3 – Mangalia seismic station

Constanta and Varna Coordination Centers - 2 of 2 Coordination Centers, installed and ready to work;



Photo 4 and 5 – Constanta Coordination Centre

Extensometers - 5 of 5 systems installed, tested and ready to work (only Bulgarian area);



Photo 6 – Extensometer - Cape Kaliakra, Bulgaria



Photo 7 – Training courses - NRD GeoEcoMar, Constanta Branch

Assistance for adaptation and implementation of marine geohazard consequence assessment – training courses - 2 of 3 training courses done;

Ocean Bottom Seismometers – delivered, testing;

Marine seismic acquisition system - delivered and installed, on-board R/V *Mare Nigrum* testing, done;



Photo 8 – Crane for guns deployment



Photo 9 - Compressor



Photo 10 – Spooling the seismic streamer on winch



Photo 11 – Seismic Equipment rack 1 and 2



Photo 12 – Seismic acquisition laboratory - installing hardware and software

MARINEGEOHAZARD in Romanian and international press

During January – April 2013, the project MARINEGEOHAZARD was reflected in Romanian and international press, as follows:

Telegraf online Newspaper, from Constanta, published an article, on January 11th, 2013: http://www.telegrafonline.ro/1357855200/articol/222739/aflam_in_timp_real_cand_suntem_tinta_vreunui_tsunami.html

One radio interview, given by Dan Secrieru Phd, was broadcasted on January 17th, 2013, by Radio Constanta;

Between February 28th and March 1st a meeting with stakeholders of the MARINEGEOHAZARD project was organized in Constanta at Hotel Bulevard, Mamaia Avenue, no. 294. The meeting was attended by 63 participants out of which 5 were journalists.

For the event a press kit was prepared and distributed to the participants. The press kit contained: folder, flyer, pen, agenda, header and footer paper, in accordance with Visual Identity Guide.

Results of the stakeholders meeting:

- two press releases was published – one on the GeoEcoMar website www.geoecomar.ro and the other on the online website of free distributed press releases www.centruldepresa.ro;
- one press ad was published in national newspaper Romania Libera, Wednesday, February 27th;
- three articles were published in local media – Ziu de Constanta and Telegraf online;
- one article was published by the online newspaper: Ecomagazin;

- one interview conducted by Gheorghe Oaie, Project Manager, was published in the business magazine Market Watch;
- one radio interview was broadcasted in a scientific emission on Radio România Cultural on March 5th. The interview was conducted by Gheorghe Oaie Phd, Professor Nicolae Panin Correspondant Member of the Romanian Academy, Radu Dimitriu Phd;
- one TV interview was broadcasted by local television Digi Constanta. The interview was conducted by Dan Secrieru Phd and Vlad Radulescu.

Links related to the articles:

<http://www.geoecomar.ro/website/index.html>

<http://www.centruldepresa.ro/comunicatedepresa/science-research/workshop-deinformare-%C8%99i--consultare-pentru-beneficiarii-primului>

<http://www.ziuaconstantia.ro/stiri/actualitate/la-mangalia-va-fi-montata-o-statie-de-masuratori-costiere-sistem-de-alertare-in-cazul-unor-evenimente-de-exceptie-in-marea-neagra-450471.html>

http://www.telegrafonline.ro/1362175200/articol/227687/geohazardele_marine_anuntate_cu_30_de_minute_inainte.html

http://www.telegrafonline.ro/1362002400/articol/227465/geohazardele_din_marea_neagra_in_atentia_autoritatilor.html

<http://www.ecomagazin.ro/avertizare-in-timp-real-pentru-geohazardele-marine/>

http://www.marketwatch.ro/articol/12046/GeoEcoMar_a_dezvoltat_primul_sistem_de_monitorizare_avertizare_in_timp_real_a_geohazardele_marine_din_Marea_Neagra/



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