

**Preparatory Actions for European Marine Observation and Data  
Network**

**SIXTH PROGRESS REPORT  
FOR THE PERIOD  
JUNE – JULY 2010**

**Service Contract No. “MARE/2008/03 - Lot 3 Chemistry –  
SI2.531432”**

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## 1. INTRODUCTION

This report gives an overview of the activities undertaken during two months of the project (4<sup>th</sup> of June 2010 – 3<sup>rd</sup> of August 2010). For continuity with the previous report we summarise also the activities undertaken during the previous two months of the project (4<sup>th</sup> of April 2010 – 3<sup>rd</sup> of June 2010), when the first interim report has been produced.

This period was very active, with several meetings and deadlines. All partners were asked to improve the data collection, the data formatting (including mapping with SDN standard vocabularies to harmonize the EMODNET data flow to the SDN infrastructure) for the production of ODV data files and CDI metadata files. Besides, the regional task leader finalised the first realisation of DIVA maps production.

The results obtained in the first year of the project, including the summary of data collected in the three regions, the demonstration of the Chemical portal, the overview of all available products and functionalities, the description of the difficulties encountered mainly linked to the complexity of the measurements related to different environments and to the heterogeneity of the sampling, has been presented to the second six-monthly progress meeting for ur-EMODNET preparatory actions, held in Copenhagen the 25<sup>th</sup> of May 2010.

The 5<sup>th</sup>-6<sup>th</sup> of July 2010 we organised the Fourth Coordination Group meeting, with the following objectives:

- Revision of the work plan of activities for the second year;
- Outline problems and possible solutions for data products generation in the three regions;
- Feedback from the last ur-EMODNET meeting with EC in Copenhagen (25th May 2010) and from the EMODNET group of experts (MODEG);
- Organization of the Expert group meeting (in September ?) for products presentation and validation.

The conclusions of the meeting are summarised in the Action list, given in the following.

## **2. FOURTH COORDINATION GROUP MEETING**

The Fourth EMODNET Chemical lot Coordination Group meeting was held at the StarHotels Savoia Excelsior Palace in Trieste (Italy), the 5<sup>th</sup> and 6<sup>th</sup> of July 2010. Participants were the Coordination Group members and a representative of the GHER group, referent for products publication on the EMODNET portal.

The first day was dedicated to recall the EMODNET Chemical lot results and the impact on the second year, to review the progress on data collection and products generation in the North Sea, in the Black Sea and in Mediterranean: results obtained, difficulties encountered and future steps (what do we have and what do we expect to produce).

The discussion was open while presenting the data availability and the connection between data sent to regional task leaders and the CDI's sent to Maris (to be included in the CDI data discovery service). The need to synchronize data collected in the regional data pools with the CDI was underlined and the related actions were defined.

The analysis and evaluation objectives were presented, underlying the activities that will start. A questionnaire and other web consulting systems to gather information relevant for WP5 were presented by the WP leader (NERC-BODC) and discussed.

Finally, the conclusions from last Copenhagen ur-EMODNET meeting, with input from other lots and the connection with Marine Conventions and EEA were reported, including feedback from EMODNET group of experts (MODEG).

The second day opened with a brief presentation of the QC/QA Guidelines and Products and a open discussion on measurements in biota and sediments. The main focus will be the harmonization of data products in the Black Sea and the Greater North Sea, taking into consideration the procedures applied in the Mediterranean. A document will be produced. A general consensus was reached on data products generation in the three regions and the consequent work plan of activities for the second year (reported in the action list).

For the organization of the Expert group meeting for products presentation and validation, the Coordinator proposes to organise it in Venice, during the week 20-24 of September 2010. The partners present express their consensus and availability.

The afternoon closed with the review of the project work plan for the second year and the administrative issues, the partner payments, the final synthesis and the action plan.

**EMODNET LOT 3 CHEMISTRY – MEETING OF COORDINATION GROUP**

**SUBJECT:** List of decisions and actions from meeting of Coordination Group  
**PLACE:** Hotel Savoia Excesior, Trieste – Italy  
**DATE:** 5<sup>th</sup>-6<sup>th</sup> July 2010  
**PARTICIPANTS:** OGS, HNODC-HCMR, MARIS, BODC, MHI, GHER

**Primary goal of this meeting has been to get agreement on the project activity for the second year, on product generation and delivery, on data collection and data quality methodology, partner involvement and link with expert group.**

**Action:** OGS will ask ICES to report the station number for Greater North Sea by country and data provider. Based on the report, all partners will be asked to produce CDI for their national stations. Two months to synchronize ICES database with CDI.

**Action:** OGS will ask NERI and ICES to specify which partner submitted nutrients data for the Greater North Sea. Ask for missing contributions.

**Action:** MHI will report to partners in the Black Sea on the QC with errors corrected and flags to improve the initial dataset of the partners.

**Action:** MHI will contact GHER to produce 4D NetCDF files with DIVA software.

**Action:** Ukrainian Scientific Center for Ecology of the Sea sent 11.143 CDI. Now they need to send Odv files to MHI (Dick will take contact).

**Action:** MHI will synchronize data in the Black Sea buffer with CDI. Two months to synchronize database with CDI.

**Action:** Dick will contact IO-BAS to get contact with the Monitoring national agency to ask for further data.

**Action:** Dick will contact BSC to get access to their data (after originators permission).

**Action:** Dick will contact Turkey NODC to get environmental data.

**Action:** MHI will check the NATO Black Sea database to check if there are additional data for products.

**Action:** Dick will contact Alexander Korshenko (SOI) to ask for additional new up-to-date data from monitoring.

**Action:** Mark will draft a questionnaire for the next meeting to gather information for WP5.

**Action:** BODC will check and send an overview of which products are available in OSPAR QSR. Look also to EEA visualisations. Two weeks.

**Action:** Maris, Ifremer, Awi and Gher will deal with the technical issues related to data points visualization on top of the maps, including the CDI metadata. October 2010

**Action:** Collect statistics on users from EMODNET portal, CDI Interface, Viewing interface for WP5. From beginning of June 2010 (will be reported at the end of phase 2).

**Action:** OGS will contact Gilbert to get more information on CAMIOON, about the catalogue format and how to populate it.

**Action:** OGS will put QC/QA guidelines on public section. Mention in the document that the work is coordinated with GE-BICH.

**Action:** Sissy will describe the procedure applied to get DIVA products (vertical interpolation, seasonal/annual means).

**Action:** OGS will update the data collection instructions (two weeks), include the table with P011 parameters used and distribute to partners. OGS will ask all partner to continue with data collection, data submission to the regional pools and CDI submission to Maris with all parameters in the water column, and then with sediment and biota (early September 2010).

**Action:** MHI, NERI and HCMR will prepare DIVA maps of nutrients in the water column, with seasonal/yearly fields at standard depths (end of July 2010)

**Action:** MHI, NERI and HCMR will complete DIVA maps in the water column looking to data distribution (22/09/2010), start product generation for sediments and biota (22/9/2010) and try to apply station trends plots - pilot sites? Gulf of Lion? (22/9/2010)

**Action:** OGS will check with ICES the possibility to combine the QC/QA workshop in Spring 2011 with the Expert group workshop

**Action:** OGS will ask Michele to continue with mapping between P011 and Medatlas parameter codes, which is still needed by the Mediterranean partners. Support the use of NEMO.