ISTITUTO NAZIONALE
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Subject: Revision to MARE/2008/03 lot 3 EMODnet Chemistry First Interim Report.

We carefully revised and modified the EMODnet Chemistry First Interim Report taking into account all the reviewers remarks. We appreciated the revision work and we hope to get inputs from them again in the future. In particular:

1. The list of acronyms has been added in Annex I.
2. The general description of WP2 activity (Section 2) has been extended (at page 7 and 8). In addition, we answered to the points:
    a. The completeness of the metadata is discussed for each regional data pool, as the situation is not homogeneous (see page 10, 17 and 18). The mapping of the metadata (including the measured parameters) with the SeaDataNet Common Vocabulary (in particular P021 Parameter Discovery Vocabulary and P011 Parameter Usage Vocabulary) is not difficult but complex and time consuming (see description on page 8 and 9). As an example, to add a new term to P011 vocabulary the method of measure, the matrix and the target spices has to be provided. For a selection of new SeaDataNet P011 Parameter Usage Vocabulary that have been added to handle EMODNET Chemical data you can see Annex II.
    b. The CDI inventory has been completed with a new table where the source of data (originator) is reported in addition to the NODC. In parallel, the role of the originator (public authorities, …) is given, to highlight the statistic on source of data. This is given in Annex III with the Legal Status/Activity Type of the Originators.

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c. The EMODNET partners are NODC and collect contributions from the agencies at national level. The CDI inventory (table with NODC and originators) provides the detailed picture of data contributors. As future step we planned to investigate all data sources outside the EMODNET network to reach additional data inputs.

d. The overview of CDI records for EMODNET chemistry including the Dataset Access Restriction code is given (page 22). More than 85 % of the EMODNET data can be downloaded by registered users without restrictions from the EMODNET CDI User Interface. The remaining part is available as metadata and has access restrictions. The data availability has to be discussed between the user and the provider when the user has submitted his/her data requests. In the meantime, we have contacted additional data sources and we started negotiation to get their data sets and metadata included in the EMODNET pool.

e. See text added to page 10. In particular, no additional data processing has been done. Metadata for the nutrients (phosphate and nitrate) are complete and for the rest we opted for an interim solution. In the coming months all partners will work on completing their national entries and we will compare the partners inputs with the ICES database to investigate if there are complementary data from other data sources at ICES.

f. Yes, see comments on page 18 and 19.

g. We choose the parameter set for EMODNET Chemistry (see First, Second and Fourth Progress Report) taking into consideration the regional indicators and the parameters monitored by all of the regional conventions (OSPAR, HELCOM, Black Sea Commission etc.). Fertilisers are mandatory in the Water Column only. In addition, the 99 % of phosphorus is inside the water column and just a small amount goes to the sediments. Only very specific regions are measuring phosphorus in the sediments and the data coverage is not uniform.

3. The Guideline are now available from the EMODNET portal under the section Metadata & Data. It was included in the private section waiting for partners

revision. During the Coordination group meeting (5-6 July 2010) it was discussed and made available.

4. It must be a misunderstanding that: "the report implies that it is not a requirement to visualise time-series of data." In fact, we only noticed that many data are time series of coastal monitoring and spatial interpolation is not the best way to present this information. The data coverage is highly different from one chemical parameter to the other and we are working on the definition of the possible data products per parameter. As part of that process we are preparing an Expert Workshop in September 2010.

We enclose a Portable Document Format (Adobe Acrobat) copy of the revised report.

Yours sincerely,

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