



Baltic Marine Environment Protection Commission

Making the HELCOM eutrophication assessment
operational (EUTRO-OPER)
Teleconference 3 September 2014

EUTRO-OPER 3-2014

Document title	Defining datasets and roles of institutions for the data flow
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Category	DEC
Agenda Item	3 – Setting up assessment data flow
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Submitted by	Secretariat, with input from ICES, Finland, Latvia, Poland, Russia and Sweden
Reference	EUTRO-OPER 2-2014, EUTRO-OPER subtasks 1a.i and 1b.i

Background

In work phase 1 of HELCOM EUTRO-OPER, the project has agreed to make preparations for work phase 2, where building up data streams and work flow will take place (EUTRO-OPER 1-2014, EUTRO-OPER subtasks 1a.i and 1b.i). This includes defining datasets, data streams and procedures for updating the present core indicators DIN, DIP, chlorophyll-a, Secchi depth and oxygen debt as well as identifying roles of institutes within contracting parties participating in the work flow.

This document presents a proposal on datasets to be included into the assessment data streams for the present core indicators, based on the information received from ICES on data reported to the ICES COMBINE database, and Contracting Parties on additional national datasets, via a questionnaire sent in June 2014 (information was received from Finland, Latvia, Poland, Russia and Sweden). It also includes a draft proposal for roles of institutions participating in the work flow, based on experiences in updating the previous eutrophication assessments under the intersessional CORE EUTRO activity.

Action required

The meeting is invited to discuss and agree on datasets and roles of institutions in the eutrophication assessment data and work flow.

Datasets to be included in the assessment data flow (first stage: present core indicators)

A draft list of coastal and open sea eutrophication datasets to be included into the assessment data stream is presented in ANNEX 1. Most of the datasets are already presently reported to the ICES COMBINE database, while more information on possible additional national datasets would still be welcome, especially in cases where coastal data is not under the same holder as presently reported open-sea data.

EUTRO-OPER test assessment dataset 2007-2011

A dataset has been collated for testing purposes under the EUTRO-OPER project, based on the datasets used in the 'Eutrophication status of the Baltic Sea 2007-2011 (BSEP 143)', together with data reported later into the ICES COMBINE database. The latter includes also Ferrybox-data reported by Finland and Poland. The data is visualized in Figures 1-4.

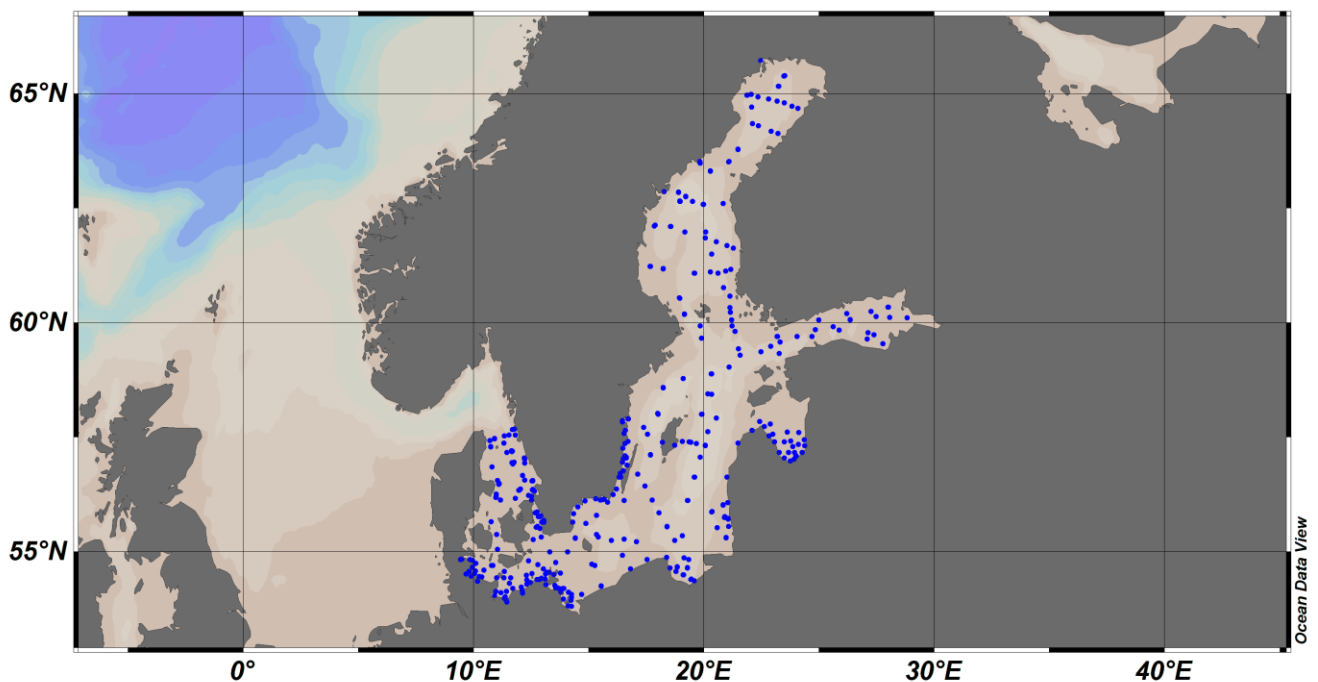


Figure 1. Nutrient observations made in winter (Dec-Feb) during the assessment period 2007-2011, based on information contained in the EUTRO-OPER test assessment dataset.

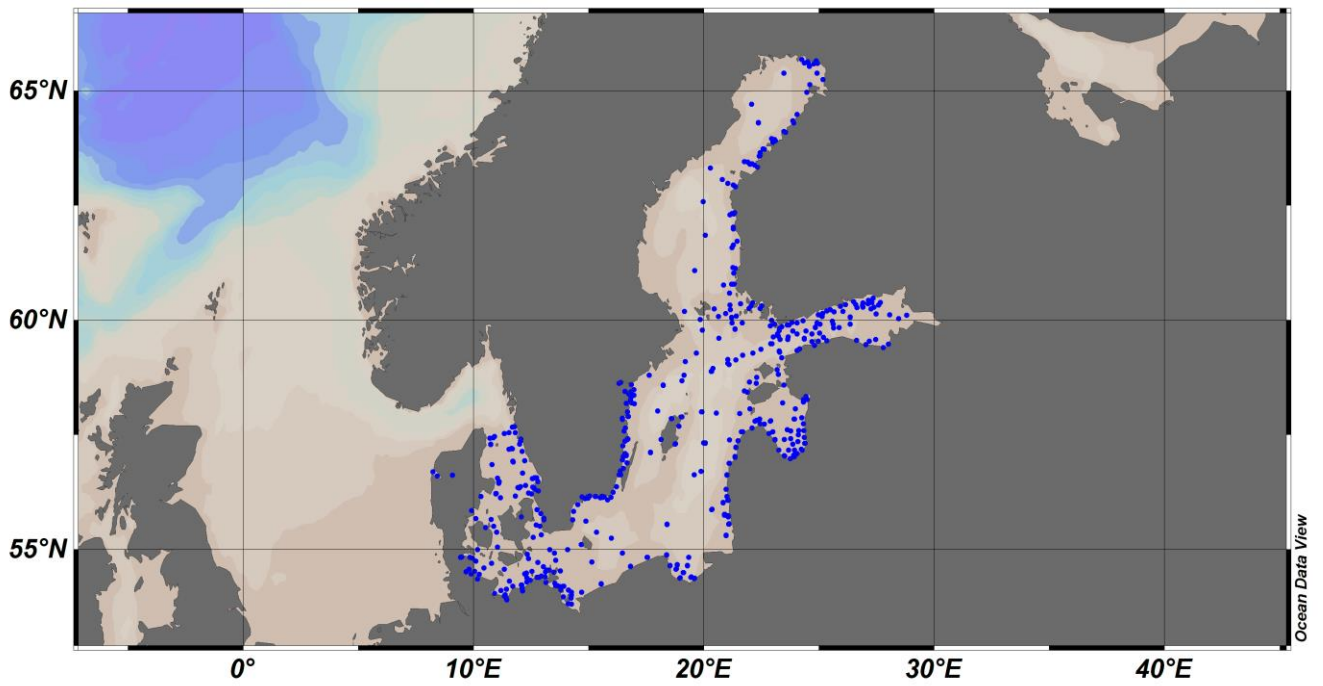


Figure 2. Chlorophyll-*a* observations made in summer (June-Sept) during the assessment period 2007-2011, based on information contained in the EUTRO-OPER test assessment dataset.

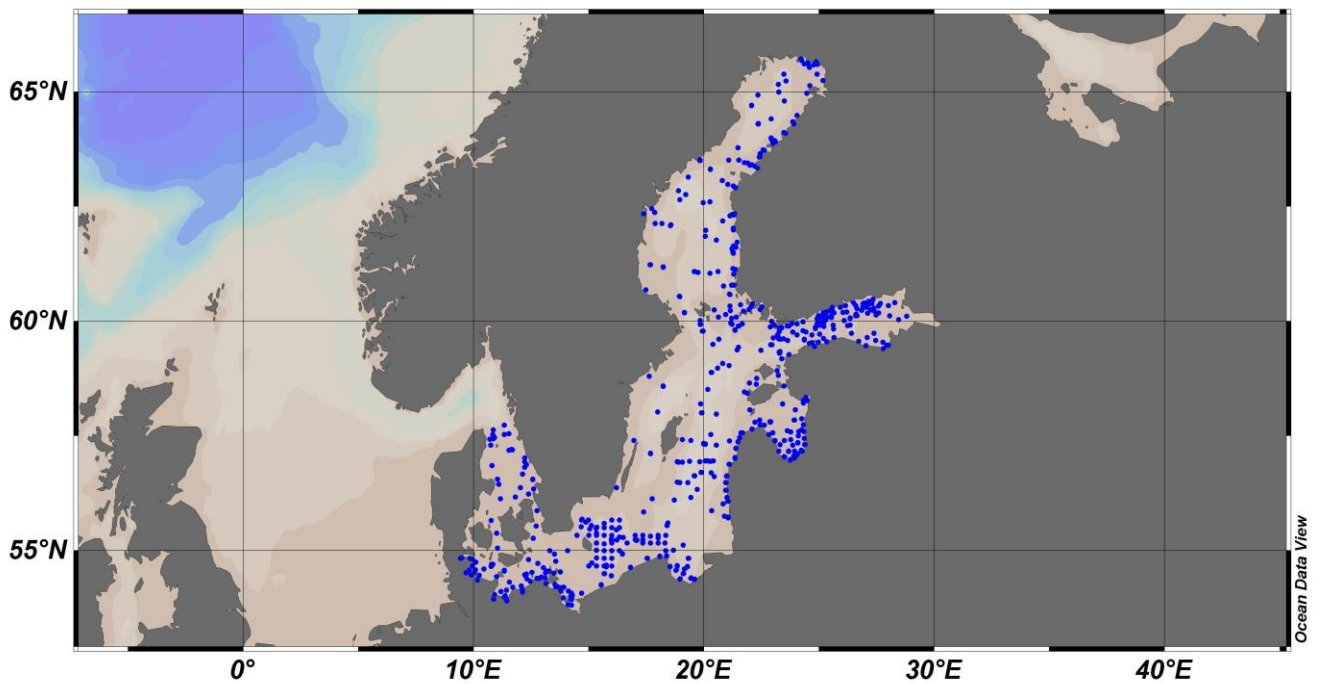


Figure 3. Secchi depth observations made in summer (June-Sept) during the assessment period 2007-2011, based on information contained in the EUTRO-OPER test assessment dataset.

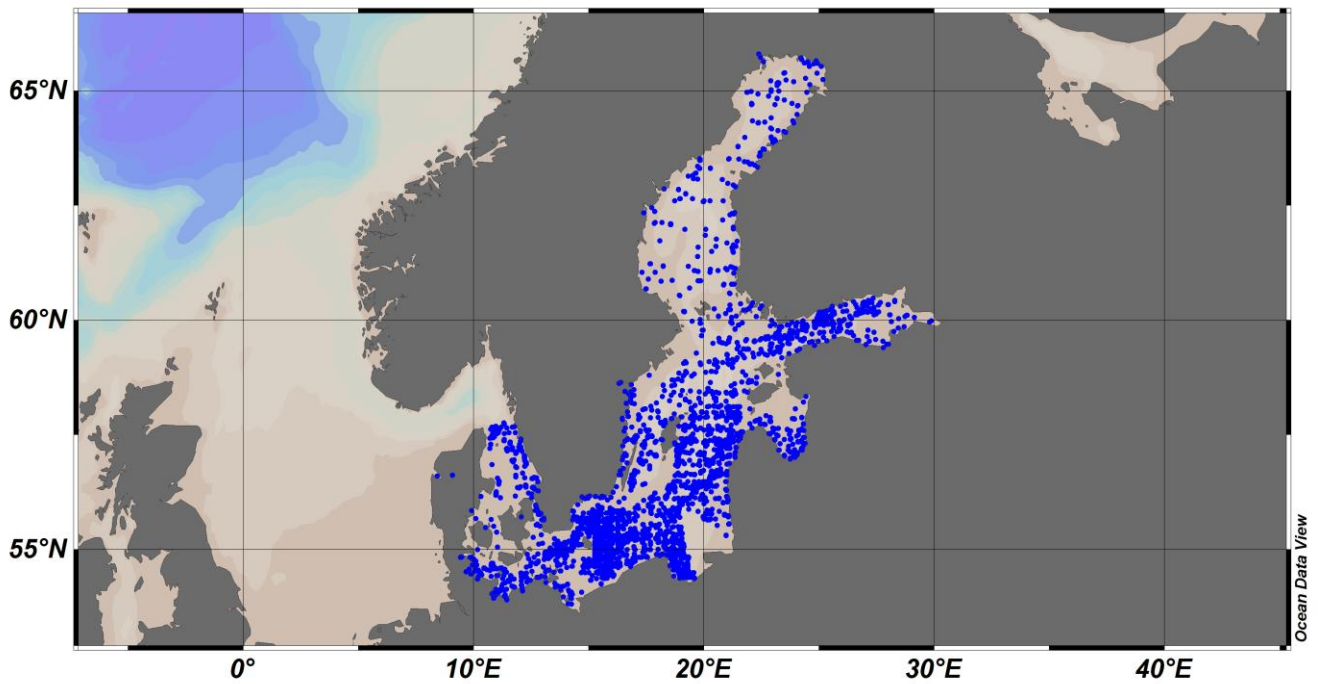


Figure 4. Oxygen observations during the assessment period 2007-2011, based on information contained in the EUTRO-OPER test assessment dataset.

Roles of institutions participating in the work flow

A draft of the roles of institutions in the work flow is presented in ANNEX 2. The cells are coloured with the same codes as in Figure 5, to help interpret the work flow. The roles are based on experience in updating the previous eutrophication assessments under the intersessional CORE EUTRO activity, and should be discussed further and agreed upon by EUTRO-OPER.

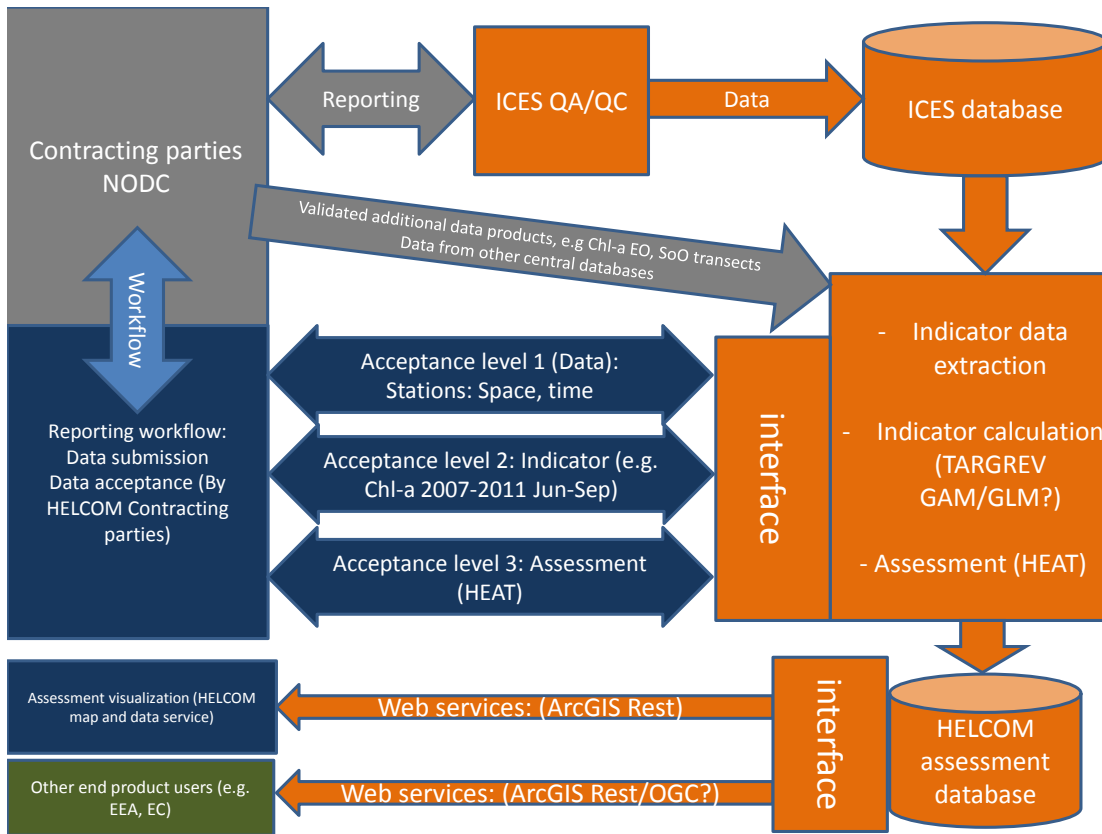


Figure 5. Eutrophication assessment data and work flow, as agreed by EUTRO-OPER 1-2014. The colors refer to: gray – HELCOM contracting parties, blue – HELCOM web portal, Orange – ICES and green – other unspecified end-users.