



Baltic Marine Environment Protection Commission

Working Group on the State of the Environment and Nature
Conservation

STATE & CONSERVATION
10-2019

Hamina, Finland, 6-10 May 2019

Document title	Rec 10/1: Information on a CMEMS service development application
Code	3MA-8
Category	INF
Agenda Item	3MA – Development and implementation of Recommendations
Submission date	26.4.2019
Submitted by	Estonia
Reference	State & Conservation 9-2018; Outcome 3MA.3

Background

The lead country (Estonia) for HELCOM Recommendation 10/1 'Abnormal situations in the marine environment' proposed at STATE & CONSERVATION 6-2017 to initiate co-operation between the HELCOM and Baltic CMEMS (Copernicus Marine Environmental Monitoring System), including operational data exchange on abnormal situations, and when such co-operation is established, to withdraw the REC 10/1. Representatives of BOOS/CMEMS and EMODnet Physics presented information on available operational services and data flows in the frames of their networks at STATE & CONSERVATION 7-2017. STATE&CONSERVATION 8-2018 invited lead country Estonia to further explore the possibility to apply for funding to develop a permanent CMEMS service for reporting on abnormal situations in the Baltic Sea to HELCOM through upcoming calls under CMEMS. STATE&CONSERVATION 9-2018 supported that, should a CMEMS project call open, interest in joining a regional consortium should be canvassed within State and Conservation.

Action requested

The Meeting is invited to take note on information provided.

Possible funding to develop a permanent service for reporting on abnormal situations (Recommendation 10/1)

Although the call for CMEMS user uptake was launched in December 2018, the topic of abnormal/extreme events did not fall within the listed preferred themes of the call. Thus, during the last call there was no options to apply for funding to develop a permanent CMEMS service for reporting on abnormal situations in the Baltic Sea as was proposed on earlier State & Conservation meetings.

Same time, a consortium of European research institutes and agencies led by GEOMAR (Germany) was formed to respond to a Horizon 2020 call BG-07-2019-2020 "[The Future of Seas and Oceans Flagship Initiatives](#)". The Danish Meteorological Institute and the Tallinn University of Technology have joined the H2020 project proposal and defined a task which includes a service development to produce quarterly or monthly assessment reports on extreme marine events.

The proposal was submitted in January 2019, and the outcome will be communicated to the applicants in May 2019. If the project application will be funded, a service will be developed within three years, and it will be up and running at least four years after the project ends. The service of reporting on extreme marine events in the Baltic Sea will be based on CMEMS products which are developed further by assimilating both BOOS (Baltic Operational Oceanographic Service) and HELCOM data into the operational and hindcast models.

Estonia will inform the State & Conservation asap on the results of application proposal. If the application will be successful, additional communication will be organised to discuss the details, gather the feedback and suggestions by State & Conservation for the planned H2020 project.