



Document title	Additional substances proposed to be included in CHASE integration
Code	5-1
Category	CMNT
Agenda Item	5 - Follow up on development of the CHASE tool in BalticBOOST WP 2.1
Submission date	2.6.2016
Submitted by	Secretariat
Reference	HOLAS II 5-2016 (paragraph 4.10)

Background

The [HELCOM BalticBOOSTworkshop on the HOLAS II hazardous substance assessment](#) held in February 2016 proposed that the BalticBOOST project would develop a five test approaches (paragraph 67). The five approaches were supported by the State and Conservation 4-2016 meeting that also discussed the data reporting for HOLAS II purposes including the required data reporting to develop the coastal assessment (paragraph 3MA.8). The HOLAS II 5-2016 meeting considered the information need further and agreed to also request the Contracting Parties to inform on any additional substances to those included in the WFD assessment and the HELCOM core indicators that are desired to be included in the CHASE integration 'test approach 3' (paragraph 4.10).

Proposals on additional substances to be included in the CHASE integration was requested from the Contracting Parties by 10 May. Replies to the data call were received from Estonia, Finland, Germany, Lithuania, Poland and Sweden. The proposals on additional substances to be included and the thresholds to be used as informed by some respondents are summarized in this document.

Action required

The Meeting is invited to

- consider the use of 'additional substances' in the CHASE integration and provide guidance to BalticBOOST WP 2.1 on the issue.

Additional substances proposed to be included in the CHASE integration

Lithuania

Table 1. Additional substance that Lithuania would like to include in the CHASE integration of the contamination status in addition to the priority substances and HELCOM core indicators, and in cases where such a substance is proposed then to also provide the relevant threshold value with appropriate references.

Pollutants in bottom sediments:		
1	Copper (Cu) average annual concentration	<10 mg/kg
2	Lead (Pb) average annual concentration	<20 mg/kg
3	Zinc (Zn) average annual concentration	<60 mg/kg
4	Nickel (Ni) average annual concentration	<10 mg/kg
5	Cadmium (Cd) average annual concentration	<0,5 mg/kg
6	Chromium (Cr) average annual concentration	<30 mg/kg
7	Mercury (Hg) average annual concentration	<0,1mg/kg
8	Oil hydrocarbons average annual concentration	<100 mg/kg
9	Polycyclic aromatic hydrocarbons average annual concentration	<1 mg/kg
10	Polychlorinated biphenyls (PCBs) average annual concentration	<0,007 mg/kg
11	Organic tin compounds average annual concentration	<0,01 mg/kg

Sweden

Sweden proposes to include some additional substance from the PFAS-group (in addition to PFOS core indicator) as large amounts of fire-fighting foams are used during exercises at sea. Noting however that threshold values may be lacking for substances other than PFOS and PFOA which are mentioned in the core indicator report, however the issue ought to be further discussed among hazardous substance experts. Concentrations of PFOS and PFOA seem to be decreasing.

Copper (e.g. in sediments) should be included as inputs from marinas could be significant pollution to the marine environment.

DDE should be included and the OSPAR EAC used.

HCB (hexachlorobenzene) which is a priority substances should be included.

Finland

Finland only provided provisional comments, as the request was of more recent origin compared to other information requested in the data call. Finland provided two comments:

1. Whether PBDE and PFOS should be included to harmonize the CHASE integration should be discussed (the substances are core indicators, but not used "in harmony" in WFD assessments, due to "delay in force" (PBDE 2016, PFOS 2018) (data 2012-2014 soon ready, 2015 end summer, 2016 in winter 2017)
2. TBT in sediment (1,6 µg/kg dw; new GES proposal) or biota 15,2 µg/kg (TBT+TPHT, food safety target used in HOLAS I) (not much recent data within 12 miles, mostly before 2011. Some recent sediments but in open sea)