



## Baltic Marine Environment Protection Commission

Working Group on the State of the Environment and Nature  
Conservation

STATE & CONSERVATION  
15-2021

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<b>Document title</b>	List of existing and new HELCOM Baltic Sea Environment Fact Sheets
<b>Code</b>	5J-1
<b>Category</b>	INF
<b>Agenda Item</b>	5J – Baltic Sea Environment Fact Sheets
<b>Submission date</b>	27.9.2021
<b>Submitted by</b>	Secretariat

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### Background

The attached table shows the status of updating of Baltic Sea Environment Fact Sheets (BSEFSs).

The following updated BSEFS have been published since STATE & CONSERVATION 14-2021:

[Waterborne nitrogen and phosphorus inputs and water flow to the Baltic Sea 1995-2019](#)

[Wave climate in the Baltic Sea in 2020](#)

### Action requested

The Meeting is invited to take note of the information.

## List of existing HELCOM Baltic Sea Environment Fact Sheets

The BSEFS marked with strikethrough and grey colour have been agreed by STATE & CONSERVATION 9-2018 not to be updated any longer.

BSEFS title	Responsible institute/author	Category	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Population Development of Baltic Bird Species: Great Cormorant ( <i>Phalacrocorax carbo sinensis</i> )	DE, DK, SE, EE	Biodiversity								x	x	x			x					x		
Population Development of Baltic Bird Species: Sandwich Tern ( <i>Sterna sandvicensis</i> Lath., 1797)	DE, DK, SE, EE, PL	Biodiversity								x	x	x										
Population Development of Baltic Bird Species: Southern Dunlin ( <i>Calidris alpina schinzii</i> L., 1758)	DE, DK	Biodiversity										x										
Population Development of Baltic Bird Species: White-tailed Sea Eagle ( <i>Haliaeetus albicilla</i> )	DE, FI, SE	Biodiversity										x										
Abundance and distribution of Round goby ( <i>Neogobius melanostomus</i> )	CORESET project	Biodiversity											x					x	x			
Abundance and distribution of <i>Dreissena polymorpha</i> , Zebra mussel	CORESET project	Biodiversity											x									
Abundance and distribution of <i>Marenzelleria</i> species in the Baltic Sea	CORESET project	Biodiversity											x									
Biopollution level index	LT, FI	Biodiversity											x									
Observed non-indigenous and cryptogenic species in the Baltic Sea	HELCOM Secretariat	Biodiversity											x									
Atmospheric nitrogen deposition to the Baltic Sea	EMEP MSC-W	Eutrophication	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x		x	
Bacterioplankton growth	Umeå University	Eutrophication					x		x	x	x	x	x		x	x			x	x		
Cyanobacteria biomass indicator	PEG	Eutrophication										x	x	x	x	x	x		x	x	x	
Cyanobacterial blooms in the Baltic Sea	SMHI	Eutrophication			x	x	x	x	x	x	x	x	x	x	x	x	x	x				
Nitrogen emissions to the air in the Baltic Sea area	EMEP MSC-W	Eutrophication	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	
Phytoplankton community composition in relation to the pelagic food web in the open northern Baltic Sea (old name: Phytoplankton biomass and species succession in the Gulf of Finland, Northern Baltic Proper and Arkona Basin in 2003)	SYKE	Eutrophication	x	x	x	x	x	x	x	x	x	x				x						
Spatial Distribution of the Winter Nutrient Pool	SMHI	Eutrophication			x	x		x	x		x	x	x	x	x	x	x	x				

BSEFS title	Responsible institute/author	Category	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Waterborne nitrogen and phosphorus inputs and water flow to the Baltic Sea	DCE, BNI	Eutrophication																		x	x	x
Chlorophyll- <i>a</i> concentration		Eutrophication					x															
Cyanobacteria bloom index		Eutrophication							x													
Impacts of invasive phytoplankton species on the Baltic Sea ecosystem		Eutrophication								x												
Shifts in the Baltic Sea summer phytoplankton communities in 1992-2006		Eutrophication						x														
Unusual phytoplankton event		Eutrophication									x											
Atmospheric emissions of heavy metals in the Baltic Sea region	EMEP MSC-E	Hazardous substances	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	
Atmospheric deposition of heavy metals on the Baltic Sea	EMEP MSC-E	Hazardous substances	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	
Atmospheric emissions of PCDD/F in the Baltic Sea region	EMEP MSC-E	Hazardous substances												x				x				
Atmospheric deposition of PCDD/Fs on the Baltic Sea	EMEP MSC-E	Hazardous substances												x				x				
Atmospheric emissions of PCB-153 in the Baltic Sea region	EMEP MSC-E	Hazardous substances														x			x		x	
Atmospheric deposition of PCB-153 on the Baltic Sea	EMEP MSC-E	Hazardous substances														x			x		x	
Atmospheric emissions of benzo(a)pyrene in the Baltic Sea region	EMEP MSC-E	Hazardous substances															x		x		x	
Atmospheric deposition of benzo(a)pyrene on the Baltic Sea	EMEP MSC-E	Hazardous substances															x		x		x	
Liquid discharges of Cs-137, Sr-90 and Co-60 into the Baltic Sea from local nuclear installations	STUK	Hazardous substances												x								x
Total amounts of the artificial radionuclide caesium -137 in Baltic Sea sediments	MORS	Hazardous substances													x							
Trace metal concentrations and trends in Baltic surface and deep waters	Baltic Sea Research Institute, Warnemünde	Hazardous substances									x											
Depositing of dredged material in the Baltic Sea		Hazardous substances																		x		x

Temporal trends in contaminants in Herring in the Baltic Sea in the period 1980-2010	Jorgen Norrevang Jensen	Hazardous substances										x											
Hydrography and oxygen in the deep basins	SMHI	Hydrography	x	x	x	x		x	x		x			x	x	x		x					
Development of Sea Surface Temperature in the Baltic Sea	IOW	Hydrography		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
The ice season	FIMR/Finnish Meteorological Institute (FMI)	Hydrography				x	x	x	x		x	x	x										
Total and regional runoff to the Baltic Sea	SMHI	Hydrography	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						
Water exchange between the Baltic Sea and the North Sea and conditions in the deep basins	IOW	Hydrography	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x					
Wave climate in the Baltic Sea	FMI, SMHI & BSH	Hydrography				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Emissions from the Baltic Sea shipping	FMI	Maritime						x	x	x	x	x	x	x	x		x						
Illegal discharges of oil in the Baltic Sea	IWGAS	Maritime / hazardous substances															x						