



Baltic Marine Environment Protection Commission

Tenth Meeting of the Seventh Baltic Sea Pollution Load
Compilation (PLC-7) Project Implementation Group

PLC-7 IG 10-2020

Gothenburg, Sweden, 10-12 March 2020

Document title	Content of the PLC-7 thematic report on inputs of hazardous substances to the Baltic Sea
Code	4-3
Category	CMNT
Agenda Item	Current activities of the PLC-7 project and coordination with other HELCOM activities including ACTION project
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Background

Input of selected hazardous substances is one of the main thematic reports of HELCOM PLC projects. Accordance to HELCOM PLC water guideline only heavy metals are mandatory monitored parameters in WWTP and industrial effluents. Only three of them – Hg, Pb and Cd – are mandatory substances for monitoring in rivers and annual reporting. Organic contaminants were not considered in the Guideline.

HOD 57-2019 in general support proposal to consider a more extensive list of hazardous substances in the HELCOM Pollution Load Compilation.

Action requested

The Meeting is invited to consider and discuss initial proposal on the content of the PLC-7 thematic report on hazardous substances.

Inputs of hazardous substances to the Baltic Sea

Input of heavy metals to the Baltic Sea.

1. Data coverage
2. Data handling and quality control
3. Total inputs of cadmium, mercury, and lead to the Baltic Sea 2016-2018
4. Total inputs of mercury, cadmium and lead per Baltic Sea basin 2016-2018
5. Inputs of cadmium, mercury, and lead via rivers and point sources 2016-2018
6. Waterborne inputs of cadmium, mercury, and lead to the Baltic Sea 1995-2018
7. Atmospheric deposition of cadmium, mercury, and lead (up to 2017)

Sources and pathways for cadmium, mercury and lead 2016-2018

Comparison on annual mean concentrations in riverine inputs with concentrations in the Baltic Sea

Atmospheric deposition of selected organic pollutants

1. Atmospheric deposition of Benzo(a) pyrene to the Baltic Sea (up to 2016)
2. Atmospheric deposition of polybrominated diphenyl ethers PBDEs to the Baltic Sea (up to 2016)
3. Atmospheric deposition of polychlorinated biphenyls (PCBs) to the Baltic Sea (up to 2016)
4. Atmospheric deposition of PCDD/Fs to the Baltic Sea (up to 2017)

The Sufficiency of Measures analysis

Outcome from the SoM analysis on Hg, PFASs and Diclofenac

Pharmaceutical residues

Not sure if there are more to include here?

Inputs of nonylphenols and PFASs via rivers and from direct point-sources

Assessment of results from data mining by the CPs

Input of POPs and micropollutants from direct point-sources

Assessment of results from data mining by the CPs on octylphenols, pharmaceutical residues and heavy metals