

COHIBA

CONTROL OF HAZARDOUS SUBSTANCES
IN THE BALTIC SEA REGION



PART FINANCED BY THE EUROPEAN UNION
(EUROPEAN REGIONAL DEVELOPMENT FUND)



Baltic Sea Region
Programme 2007-2013

COHIBA aims

- To identify the most important sources of the 11 selected substances
 - Case studies in each Baltic Sea countries
 - Screening of municipal and industrial waste waters, landfill effluents and storm waters
- To quantify the releases and inputs of the substances to the Baltic Sea
- To analyze the pathways of the substances from production, processes and uses to the marine environment



COHIBA

COHIBA aims

- To estimate the impacts of the substances on the marine environment
- To develop new tools for evaluating toxicity of the effluents
 - based on the Whole Effluent Assessment approach
- To develop cost-effective management options to reduce discharges/losses of substances
- To contribute to the development of national implementation programmes under the HELCOM Baltic Sea Action Plan



COHIBA

HELCOM Baltic Sea Action Plan

- COHIBA project supports the implementation of the HELCOM Baltic Sea Action Plan with regard to hazardous substances
- Adopted by Baltic Sea States and the EC in 2007
- Based on ecosystem approach
- Hazardous substances segment aims at the "Baltic Sea with life undisturbed by hazardous substances"
- Base for environmental pillar of the EU Strategy for the Baltic Sea Region



COHIBA

Target substances

1. Dioxins (PCDD), furans (PCDF) and dioxin-like PCBs	5. Hexabromocyclododecane (HBCDD)
2. Tributyltin compounds (TBT), triphenyltin compounds (TPhT)	6. Nonylphenols (NP), nonylphenol ethoxylates (NPE)
3. Pentabromodiphenyl ether (pentaBDE), octabromodiphenyl ether (octaBDE), decabromodiphenyl ether (decaBDE)	7. Octylphenols (OP), octylphenol ethoxylates (OPE)
4. Perfluorooctane sulfonate (PFOS), Perfluorooctanoic acid (PFOA)	8. Short-chain chlorinated paraffins (SCCP), medium-chain chlorinated paraffins (MCCP)
	9. Endosulfan
	10. Mercury
	11. Cadmium

Strategically important Baltic Sea project

- Budget around 4.9 million EUR
 - EUR 3.85 million to be allocated from the European Regional Development Fund
- Lead partner is Finnish Environment Institute (SYKE)
- Time span of three years (2009-2012)



Six work packages

- 1. Management and administration** (lead by Finnish Environment Institute)
- 2. Communication and Information** (lead by HELCOM Secretariat)
- 3. Innovative approaches to chemical controls of hazardous substances** (lead by Finnish Environment Institute)
- 4. Identification of sources and estimation of inputs/impacts on the Baltic Sea** (lead by IVL Swedish Environmental Research Institute)
- 5. Cost effective management options to reduce discharges, emissions and losses of hazardous substances** (lead by Federal Environment Agency of Germany)
- 6. Capacity building and knowledge transfer** (lead by Baltic Environmental Forum)

Partners in each Baltic Sea country

Finland	Helsinki Commission (HELCOM)
<ul style="list-style-type: none">• Finnish Environment Institute	Latvia
Denmark	<ul style="list-style-type: none">• Baltic Environment Forum• Latvian Institute for Aquatic Ecology
<ul style="list-style-type: none">• The Copenhagen Municipality• Copenhagen Waste Water Treatment Plants• Copenhagen Energy• Technical University of Denmark	Lithuania
Estonia	<ul style="list-style-type: none">• Baltic Environment Forum• Centre of Marine Research• Environmental Protection Agency, Ministry of Environment• Institute of Botany
<ul style="list-style-type: none">• Baltic Environmental Forum• Estonian Marine Institute, University of Tartu• Estonian Environmental Research Centre• Estonian Environmental Research Institute• Tallinn University of Technology	Poland
Germany	<ul style="list-style-type: none">• Institute of Ecology of Industrial Areas IETU
<ul style="list-style-type: none">• Federal Environment Agency of Germany• Mecklenburg-Vorpommern Ministry for Agriculture, Environment and Consumer Protection	Sweden
	<ul style="list-style-type: none">• IVL Swedish Environmental Research Institute• Swedish Chemicals Agency• City of Stockholm

Associated organisations in Russia

- St. Petersburg Scientific Research Center of Russian Academy
- Centre for Transboundary Cooperation – St. Petersburg
- Center of Laboratory Analysis and Technical Measurements of the Rostekhnadzor of the Russian Federation



More information

Project Manager

Ansa Pilke, Senior Researcher
Finnish Environment Institute (SYKE)

Phone: +358 (0)40 834 6537

E-mail: ansa.pilke@ymparisto.fi

HELCOM Secretariat

Ulla Ahonen, Communications Officer

Phone +358 (0)400 315 790

E-mail: ulla.ahonen@helcom.fi

www.cohiba-project.net



COHIBA