





Duration: 1.10.2017 – 30.9.2020

Funding: The Interreg Baltic Sea Region Programme 2014-2020

Total budget: 3,2 million euros

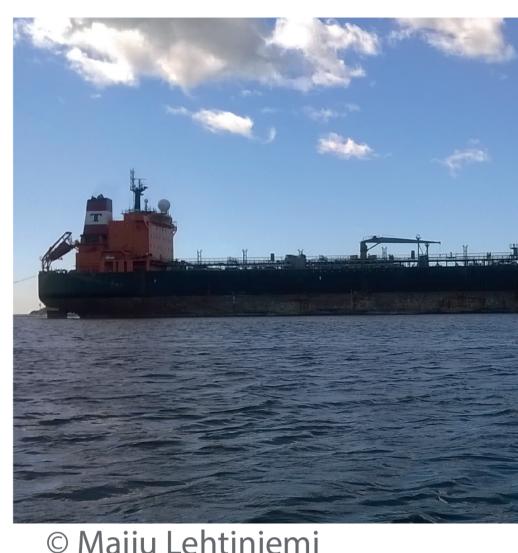
Further information to be available:

www.balticcomplete.com

Completing management options in the Baltic Sea Region to reduce risk of invasive species introduction by shipping.

COMPLETE is addressing one of the key challenges of the Baltic Sea Region by dealing with the complex problem of ballast water and ships' hull management. Shipping is global and the environmental problem caused by maritime transport cannot be solved without close transnational cooperation involving all maritime actors.

COMPLETE is aimed at minimizing the introduction and spread of harmful aquatic organisms and pathogens by shipping through the development of consistent and adaptive management strategies and tools for the Baltic Sea Region by addressing both major vectors: Ballast water and Biofouling. By addressing key challenges of the Baltic Sea Region, the ultimate goal of the project is to develop operational frameworks and provide user-oriented tools, in close cooperation with relevant stakeholders, in order to make shipping more environmentally friendly.



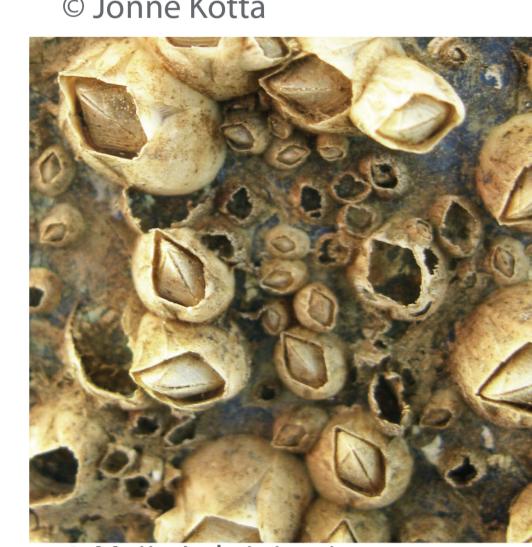
Maiju Lehtiniemi



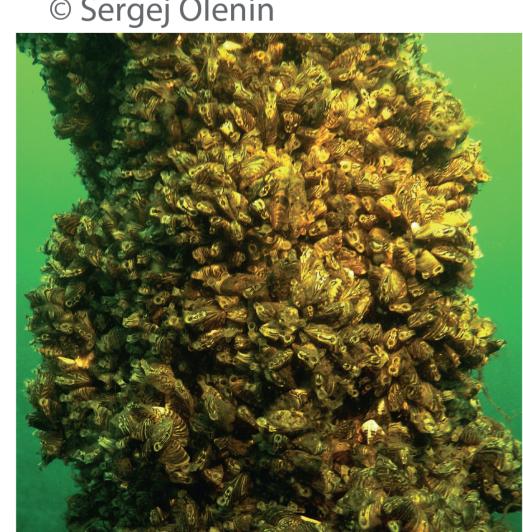
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POLICY DOCUMENTS

Framework

Directive

(MSFD)

HELCOM

Baltic Sea

Action Plan

Ballast Water

Management

Convention (BWMC)

IMO Biofouling

Guidelines

Mapping areas of risk to alien Marine Strategy species introductions

Developing molecular methods for detection of non-indigenous species

Improving target species selection criteria

Training for BWMC compliance monitoring

> Estimation of biofouling potential

Collecting baseline information of biofouling management: -legal aspects -best practices -waste quantities & handling -role of leisure boats

COMPLETE ACTIVITIES & DELIVERABLES

Recommendations for integrated monitoring system

> Information system of nonindigenous species

Operational early warning system on nonindigenous species

Improved online risk-assessment tool (HELCOM-OSPAR JHP)

Decision support system for ballast water management

Tools to optimize anti-fouling systems and cleaning methods

> Interactive map of hull cleaning services

Guidance for leisure boats

OVERALL GOALS

Harmonized monitoring of non-indigenous species

Harmonized implementation of Ballast Water Management Convention

> Proposal for a regional biofouling management strategy

> > ROADMAP



Kotka Maritime Research Association (KMRA) PARTNERS:

Klaipėda University, Marine Science and Technology Centre (KU) Baltic Marine Environment Protection Commission – Helsinki Commission (HELCOM) Finnish Environment Institute, Marine Research Centre (SYKE) University of Gdansk (UG)

University of Helsinki, Dep. of Environmental Sciences (UH)

Chalmers University of Technology, Dep. of Shipping and Marine Technology (Chalmers) Latvian Institute of Aquatic Ecology (LIAE) Federal Maritime and Hydrographic Agency (BSH)

South-Eastern Finland University of Applied Sciences (XAMK) University of Tartu, Estonian Marine Institute (UTARTU)

Keep the Archipelago Tidy Association (KAT)



























Represent Maritime and Environmental Ministries, their Agencies, relevant Private Companies (e.g. Shipping Companies, Shipowners, Port Authorities), Research Organizations and NGOs in the Baltic Sea Region.

