Interreg Baltic Sea Region

EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND

EU STRATEGY FOR THE BALTIC SEA REGION
FLAGSHIP

COMPLETE

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

EUSBSR PA Ship Steering Committee meeting on the 28-29th of May 2019

Maria Hänninen, Kotka Maritime Research Association

COMPLETE

Interreg Baltic Sea Region

EUROPEAN UNION

EUROPEAN REGIONAL DEVELOPMENT FUND

EU STRATEGY FOR THE BALTIC SEA REGION FLAGSHIP

COMPLETE project in a nutshell

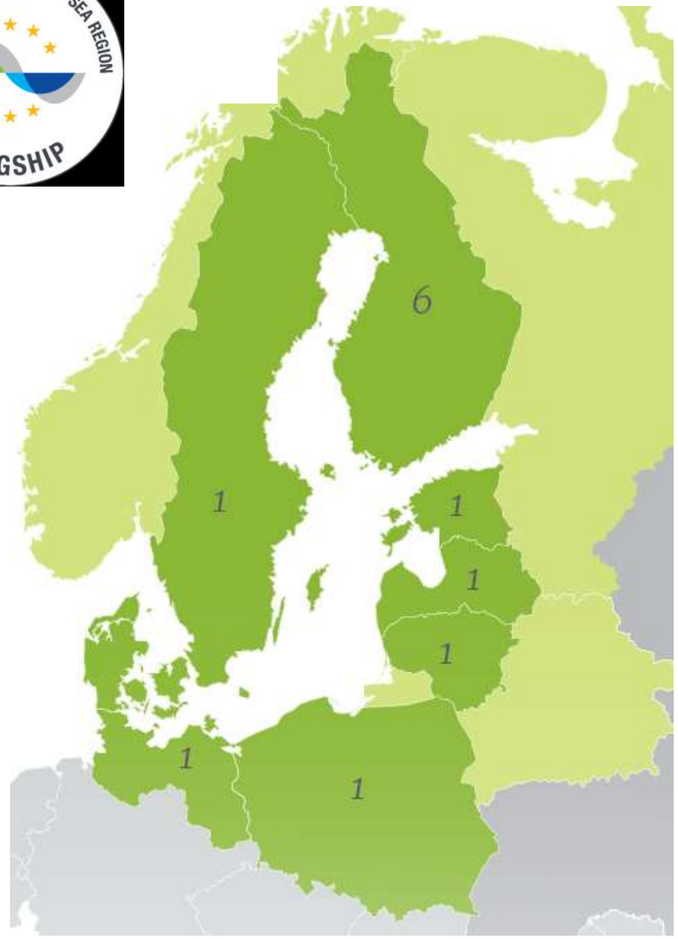
- *12 partners*
- *23 associated organizations*
- *10/2017 – 09/2020*

- *Harmonization of monitoring for non-indigenous species (NIS) / harmful aquatic organisms and pathogens (HAOPs)*
  → synergies with Marine Strategy Framework Directive (MSFD) and Ballast Water Management Convention (BWMC)

- *Regionally harmonized implementation and enforcement of BWMC*

- *Roadmap proposal for a regional biofouling management strategy*

- *Stakeholder involvement and participation*



- *Homepage: www.balticcomplete.com*
- *Twitter: @BalticComplete, #BalticComplete*

COMPLETE

Interreg Baltic Sea Region

EUROPEAN UNION

EUROPEAN REGIONAL DEVELOPMENT FUND

COMPLETE project status since the last PA Ship SC meeting

Harmonized monitoring of non-indigenous species

- Mapping areas of risk to alien species introductions
- Developing molecular methods for non-indigenous species detection
- Recommendations for integrated monitoring system
- Information system of non-indigenous species (AquaNIS)
- Operational early warning system

Harmonized implementation of Ballast Water Management Convention

- Improving target species (TS) selection criteria (COMPLETED)
- Improved online risk-assessment tool (HELCOM-OSPAR JHP)
- Decision support system for ballast water management
- Training for BWMC compliance monitoring (COMPLETED)

Proposal for a regional biofouling management strategy

ROADMAP

- Estimation of biofouling potential (shipping, leisure crafts)
- Collecting baseline information of biofouling management
- Tools to optimize anti-fouling systems and cleaning methods
- Interactive map of hull cleaning services
- Guidance for leisure crafts

Latest, most important activities

Target species (TS) selection criteria – proposal for revision finalized

- *The TS lists are needed for taking decision whether ballast water management exemption can be granted on ship voyages between selected ports or within a particular marine area. An exemption cannot be granted if there is a risk for the species, which is on TS list, to be spread by ballast water.*
- *The revised TS selection criteria were made available for the consideration by HELCOM-OSPAR TG Ballast in the last meeting on 13–14 December 2018 in Gothenburg.*
- *The meeting was invited to take note and discuss any relevant output of the COMPLETE project in this context.*
- *Meeting documents at the HELCOM meeting portal: https://portal.helcom.fi/meetings/HELCOM-OSPAR%20TG%20BALLAST%209-2018-556/default.aspx*

COMPLETE

Interreg Baltic Sea Region

EUROPEAN UNION

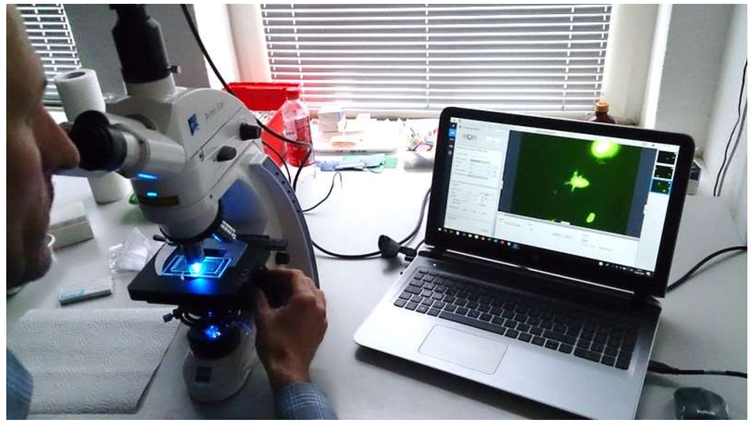
EUROPEAN REGIONAL DEVELOPMENT FUND

Latest, most important activities

COMPLETE ballast water sampling and analysis workshop organized on 08–10/05/2019 in Hamburg

COMPLETED

- *Aim: sampling the vessels for compliance control with the D-1 and D-2 standards of the BWM Convention*
- *Participants: from administrations and science of seven Baltic Sea countries.*
- *Supervised by: Dr. Matej David and Dr. Stephan Gollasch.*
- *For the first time, knowledge and practical hands-on exercises for all stages from planning to sampling to analysis were comprised in one seminar.*
- *Practical work in the laboratory and on board the TUI cruise liner „Mein Schiff 5“.*
- *In addition, a documentary film on the practical exercises together with interviews with the experts will be prepared.*



Photos: Katja Broeg / BSH

COMPLETE

Interreg Baltic Sea Region

EUROPEAN UNION EUROPEAN REGIONAL DEVELOPMENT FUND

Latest, most important activities

Attending the joint meeting of ICES/IOC/IMO Working Group on Introductions and Transfers of Marine Organisms (WGBOSV) and ICES Working Group on Ballast and Other Ship Vectors (WGITMO) on 04–08/03/2019 in Weymouth, Dorset,UK

- *Presentations about COMPLETE progress by SYKE, BSH, CHALMERS and LIAE.*

Photo: ICES

Latest, most important activities

Attending the IMO-GloFouling Inception workshop on 18–20/03/2019, London, UK

- *GloFouling: collaboration between the Global Environment Facility (GEF), the United Nations Development Programme (UNDP), and the International Maritime Organization (IMO), addressing the introduction of invasive alien species (NIS) via ships' hulls and other marine structures.*
- *BSH and Chalmers were in attendance (strategic partners in GloFouling together with HELCOM).*
- *COMPLETE presentation given by Annika Krutwa/BSH about activities related to biofouling.*
- *Press briefing: http://www.imo.org/en/MediaCentre/PressBriefings/Pages/05-glofouling-taskforce.aspx*
- *GloFouling web page: https://www.glofouling.imo.org/*

Photo: Lena Granhag / Chalmers

Latest, most important activities

Attending workshop for biofouling on 04–05/04/2019, Rotterdam, the Netherlands

- *HELCOM and OSPAR Contracting Parties, COMPLETE project partners and other stakeholders were invited to share experiences and ideas on biofouling management.*
- *Presentations:*
  - *Katja Broeg/BSH: 'Biofouling under the spotlight'*
  - *Annika Krutwa/BSH: COMPLETE project activities related to biofouling management*
  - *Greta Srebaliene/Klaipeda University: AquaNIS information system (poster)*

Photos: Miina Karjalainen / KMRA

Current activities

COMPLETE In-water cleaning workshop on 27–28/05/2019 in Hamburg

- *Participants: the invited responsible authorities and other stakeholders concerned*
- *Outcome: workshop report including*
  - *an overview of the national regulations of in-water cleaning and waste management in the BSR*
  - *good practices in the Baltic Sea Region and outside*
  - *the remaining gaps*
  - *the needs for action*
  - *suggestions for a way forward concerning in-water cleaning approval for BSR authorities*

COMPLETE

Interreg Baltic Sea Region

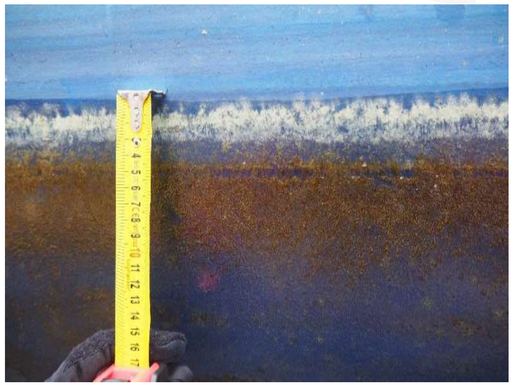
EUROPEAN UNION EUROPEAN REGIONAL DEVELOPMENT FUND

Current activities

Online questionnaire for leisure boat owners open

- *Collecting data on biofouling of leisure boats, antifouling strategies, cleaning procedures and facilities.*
- *Results utilized in estimating the biofouling potential, risk assessments and producing further guidance.*
- *Available in English, Finnish, German, Estonian, Latvian, Lithuanian, Polish and Swedish, soon also in Russian and in Danish.*
- *Questionnaire can be found at:*

https://linmantis60.bsh.de/limesurvey/index.php/835883?lang=en



Photos: Keep the Archipelago Tidy Association

COMPLETE

Interreg Baltic Sea Region

EUROPEAN UNION

EUROPEAN REGIONAL DEVELOPMENT FUND

1st announcement: COMPLETE stakeholder conference on 4–5/12/2019

- *Registration: opens in September 2019*
- *Conference webpage: https://www.balticcomplete.com/news/conference*

- *The aim of the conference: discuss potential solutions and sustainable management options to reducing the risk of invasive species introductions.*
- *Both the commercial shipping sector as well as the leisure boating sector viewpoints.*

- *The latest findings on the magnitude of the biofouling issue, and the current practices for biofouling management will be presented.*
- *Cost-effective solutions to harmonizing management actions across the region will be sought.*
- *Moreover, the need for an early warning system for harmful aquatic organisms and pathogens in the region, and the scientific support for harmonized implementation of the Ballast Water Management Convention will be clarified.*

COMPLETE

Interreg Baltic Sea Region

EUROPEAN UNION

EUROPEAN REGIONAL DEVELOPMENT FUND

Possible continuation of the Flagship

- *Interested in implementation of an extension stage project for COMPLETE, if call for extension stage applications is launched in October 2019 by the Interreg Baltic Sea Region Programme.*

Assistance/support from PACs and the Steering Committee

- *Support in distributing information about the project activities (workshops, stakeholder conference, questionnaires…)*
- *Welcomed to participate the project events and activities.*

Photo: Kimmo Heinonen / Vastavalo.fi

COMPLETE

Interreg Baltic Sea Region

EUROPEAN UNION
EUROPEAN REGIONAL DEVELOPMENT FUND

EU STRATEGY FOR THE BALTIC SEA REGION
FLAGSHIP

MERI KOTKA

TARTU ÜLIKOOL
UNIVERSITAS TARTUENSIS
1632

UNIVERSITY OF GDANSK

BSH
BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE

HELCOM

XAMK
South-Eastern Finland University of Applied Sciences

KEEP THE ARCHIPELAGO TIDY
FINLAND

LATVIJAS HIDROEKOLOĢIJAS INSTITŪTS

SYKE

UNIVERSITY OF HELSINKI

KLAIPĖDOS UNIVERSITETAS

CHALMERS
UNIVERSITY OF TECHNOLOGY

THANK YOU!