

# Optimization of mussel mitigation cultures for fish feed in the Baltic Sea

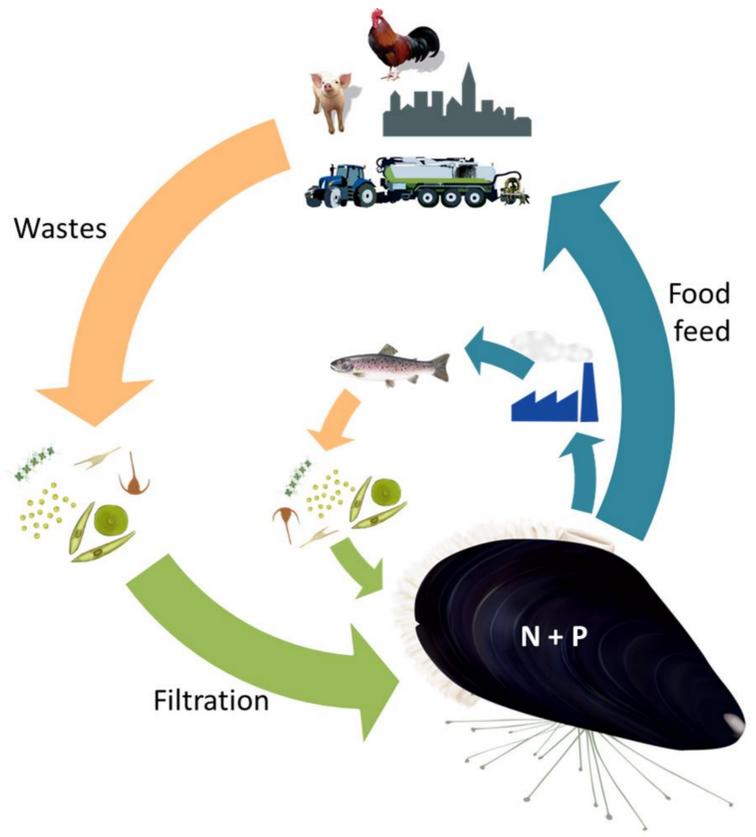
## Aim & objectives

The BONUS OPTIMUS project aims to provide robust evidence-based documentation (ecological, social, and economic) on optimized use of farmed mussel as a mitigation tool for eutrophication that in turn can be a sustainable protein-rich feedstuff for fish.

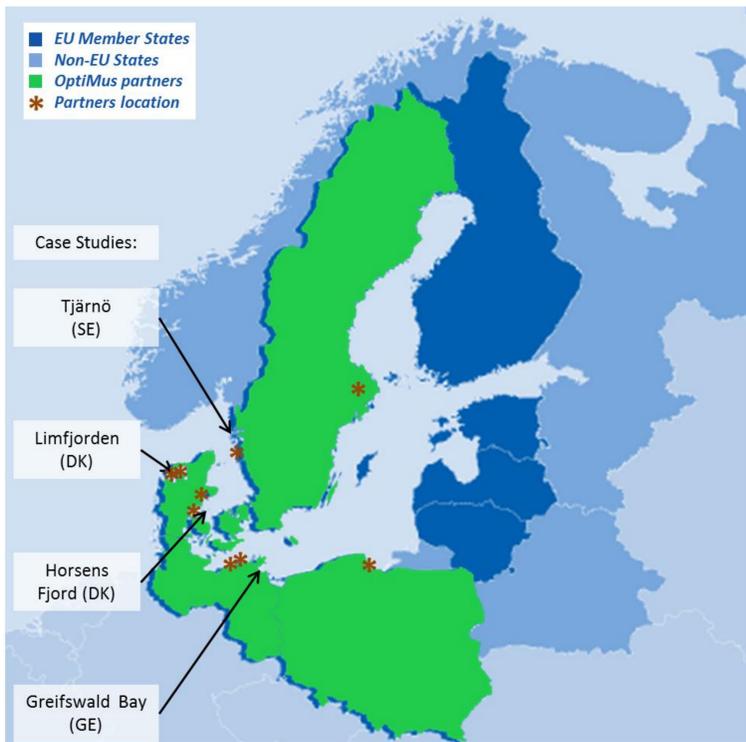
**Objectives:**

- Documentation of **ecosystem goods and services** by mussel farming.
- Assessment of impact and mitigation methods of mussel **bio-deposition** underneath mussel farms.
- Provision of multi-criteria optimal site selections of mussel farming as input to **marine spatial planning**.
- Optimization of the **production capacity, security and costs** of farmed mussels
- Development of **cost-efficient techniques** for processing mussels into fish feed.
- Testing mussel meal as a marine protein ingredient in **fish feed**.
- Exploration of the social-economic barriers, solutions and perspectives of the **mitigation concept**.

## Basic concept of BONUS OPTIMUS



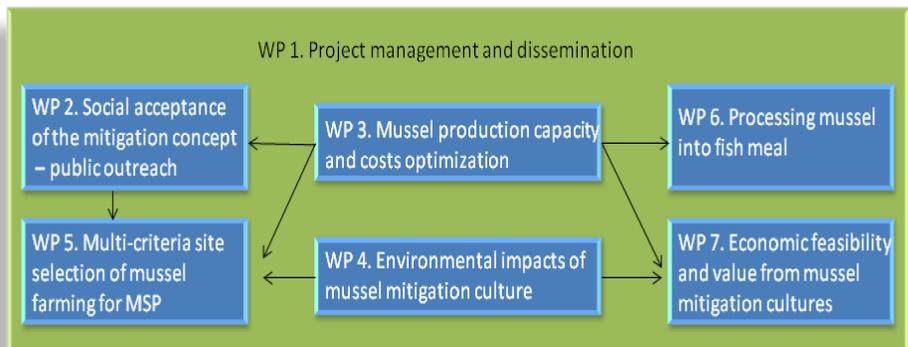
## Study sites



## Partners

- **Danish Technical University, National Institute of Aquatic Resources; Coordinator: Prof. Jens Kjerulf Petersen**
- Aarhus University, Denmark
- Leibniz-Institute for Baltic Sea Research Warnemünde, Germany
- EUCC – The Coastal Union Germany, Germany
- Swedish University of Agricultural Sciences, Sweden
- University of Gothenburg, Sweden
- Institute of Oceanology of the Polish Academy of Sciences, Poland
- GRAIN Wood A/S, Denmark
- Hjarnø Havbrug A/S, Denmark

## Structure



## Project facts

BONUS OPTIMUS receives funding jointly from the European Union's Seventh Programme for research, technological development and demonstration, and from Baltic Sea national funding institutions (BONUS, Art 185).

**Budget:** 2.9 Mio €      **Duration:** April 2017 - March 2020  
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