



# BONUS BASMATI

## Baltic Sea Maritime Spatial Planning for Sustainable Ecosystem Services

*Integrated and innovative solutions for Maritime Spatial Planning (MSP) from local to Baltic Sea scale*  
[bonusbasmati.eu](http://bonusbasmati.eu)

BONUS BASMATI is developing and testing **Baltic Explorer**, an interactive web-map application for facilitating discussions and negotiations in MSP. It enables **collaborative** capture, visualization, exploration and analysis of marine spatial data available in the Baltic Sea region. Its intuitive interface adapts to a **variety of devices** from smartphones to large multi-touch displays. The Baltic Explorer utilizes open source web technologies. The Baltic Explorer prototype is published at [balticexplorer.eu](http://balticexplorer.eu), and continuously developed in user tests.



The **MSP governance structures**, especially stakeholder integration and cross-border planning, are studied to build a **conceptual framework** for understanding and analyzing **conflicts and synergies** between stakeholder groups.

The project reviews how frameworks, scenarios, and tools, such as the Baltic Explorer, facilitate **the involvement of stakeholders** at different stages of the MSP process.

The project promotes **data availability**, based on the identification of current data gaps, stakeholder requirements, and the ecosystem service framework. Emphasis is put on **defining data standards/ minimum requirements** for MSP, and producing and acquiring data on ecosystem services, as well as on anthropogenic pressures. **The data produced in the case studies are published**, and utilized in e.g. the Baltic Explorer.

MSP is studied on the practical level at various spatial scales in **three case studies**. The case studies examine economic development and protection of marine habitats, focusing on **aquaculture** (SW Baltic), **marine protected areas** (Latvia), and **business perceptions** (pan-Baltic). The case studies support **ecosystem service concept integration** in MSP, and **functionality of stakeholder involvement** in Baltic Explorer.

**A framework for sustainability assessment** of MSP scenarios was developed. It combines the DPSIR model with ecosystem service cascade frameworks, allowing the **comparison of benefits and beneficiaries** between a baseline and a scenario. The framework is tested in local contexts as a tool assisting the **conceptualization of planning issues**, and it can be assisted by the Baltic Explorer visualization tools.

