Working together to improve the Baltic Sea environment and economies:

Innovative approaches to the sustainable use of marine resources

A pan-Baltic maritime cluster initiative

SUB MARINER NETWORK

Angela Schultz-Zehden EP Brussels | 13 October 2016

The SUBMARINER Network

- EU Strategy for the Baltic Sea Region
 - Priority Area Innovation
 - Umbrella flagship: numerous actions and initiatives
- Flagship leaders:
 - Ministry of Economic Affairs Schleswig-Holstein (Germany)
 - Swedish Agency for Marine and Water Management
 - Maritime Institute in Gdańsk (Poland)
 - Organised as **European Economic**Interest Grouping (EEIG)
 - **Permanent Secretariat** in Berlin
- Rationale: Reaching the critical mass for action – which not available in one country alone





SUBMARINER topics

Macroalgae harvesting and cultivation

Mussel Cultivation Reed Harvesting Large-Scale Microalgae Cultivation

Blue Biotechnology

Wave Energy

Sustainable Fish Aquaculture

Combinations with Offshore Wind Parks

















strategic action fields

Actors

Data

Environmental Impacts

Pilot sites

Energy

Ecosystem Services

Technolog

Blue Biotechnology

Finance

Regulation

Image



Baltic Sea

actors and

activities









Regional solutions marine resources

Valuation and compensation integrating of ecosystem services

Development and transfer of suitable technology for the Baltic Sea

BSR-wide systematic Blue Biotechnology

Unlock financing for approach to innovative uses of marine Research resources

Create better legal and regulatory conditions

Create positive image for products and services from marine resources

vision 2030



A smart Baltic Sea Region making use of blue-green combined solutions



Maintaining the Baltic Sea Region's natural capital



Marine resources as part of the BSR sustainable energy and biomass portfolio



Improve human wellbeing via new marine products



The Baltic Sea Region - a biobased innovation showcase

3

Reaching out through joint projects

Region Östergötland

Maritime monitoring and surveillance technology

Multi Use in European Seas

Integrated
Maritime Cultural
Heritage
Management

KLAIPĖDA SCIENCE AND DANISH TECHNOLOGICAL GEOMAR **SUB MARINER** BioCon Valley® RYBACKI corpi AgroTech.

ENVIRONMENTAL DEVELOPMENT ASSOCIATION

UNIVERSITY OF GDANSK

Blue Growth in Baltic lagoon and bays

InnoAquaTech: RAS technologies

Baltic Blue Biotechnology Alliance

Implementation
Strategy for the
Baltic Blue
Growth Agenda

Towards
Commercial
Mussel farming
in the Baltic Sea

Smart Blue Regions





Reaching out through joint projects

Maritime monitoring and surveillance technology

Multi Use in **European Seas**

Integrated Maritime Cultural Heritage Management

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ENVIRONMENTAL

DEVELOPMENT ASSOCIATION

UNIVERSITY OF GDANSK

Implementation Strategy for the **Baltic Blue Growth Agenda**

> InnoAquaTech: **RAS** technologies

> > **Baltic Blue Biotechnology Alliance**

Blue Growth in Baltic bays

Towards Commercial Mussel farming in the Baltic Sea

Smart Blue Regions





AB



in the Baltic Sea Region

Smart Blue Regions seeks to enhance blue growth opportunities based on increased capacity of Baltic Sea Regions to implement Research and Innovation Strategies for Smart Specialisation (RIS3).



Motivation of / Challenges for the 6 Smart Blue Regions



- © Correct focus areas?
- RIS3 evaluation?
- Priorities in other regions?
- RIS3 management in other regions?
- What to learn, what to give?
- Smart specialisation in the regions?
- Transnational projects?



The aims of Smart Blue Regions



The partners want to





Work packages



- WP2 Building operational capacity for RIS3 implementation (how to work with and implement RIS3) ->
 - Multi-level Implementation Scheme
 - Blue Growth M&E System
- WP3 Incorporating new blue growth policy measures into RIS3 implementation (how to drive Blue Growth) →
 - Optimised <u>blue</u> RIS3 implementation plans
- WP4 Identifying macro regional synergies and initiating transnational cooperation (initiating transnational cooperation projects) ->
 - → Study and map identifying <u>blue</u> cooperation opportunities.
 - Transnational cooperation projects (private & public stakeholders)





The Baltic Blue Growth Agenda Towards an implementation strategy



September 2016 – April 2017

Develop a stakeholder-driven "Implementation Plan" for 4 key maritime focus areas identified in the "Blue Growth Agenda":

- Blue bio-economy
- Shipping
- Environmental & Monitoring Technology
- Tourism & Maritime Experience Industry

Aims:

- To push the boundaries of strategic transnational cooperation for the maritime economy in the BSR
- To kick-start the implementation of the Baltic Blue Growth Agenda
- To raise mutual understanding, create ownership and stimulate the systematic interplay between the actors throughout the region





A 6-step process





Desk research will provide an initial overview of existing actors, projects and initiatives to identify the most important development trends and action gaps in each of the chosen opportunity areas.



4 Scoping papers will be developed for each of the four opportunity areas to capture the results of the three previous steps and identify the most important development fields that have the biggest potential for sustainable growth.



2 Surveys will be carried out to verify and complement the desk research.

The surveys will be open to all stakeholders.



Four interactive discussion workshops will be held to discuss and agree on the identified entrepreneurial opportunities, industry challenges and to explore the necessary transformative steps and structures as to finalise the strategic transformation maps for each of the chosen opportunity areas.



Interviews will be held with selected stakeholders to gain deepened insight on priorities and possible actors.



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The implementation strategy will be published, outlining possible activities, projects and interventions for the above-mentioned areas.





Thank your for your attention

