

# Baltic Blue Biotechnology Alliance

Advancing marine  
biobased product  
development



[www.balticbluebioalliance.eu](http://www.balticbluebioalliance.eu)

 #BalticBlueBioAlliance

# 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 Bio-technology



Wave Energy



Sustainable Fish Aquaculture



Combinations with Offshore Wind Parks



## strategic action fields

Actors



Baltic Sea actors and activities

Data



Data sets of Baltic Sea resources

Environmental Impacts



on water quality and habitats

Pilot sites



for empirical research

Energy



Regional solutions integrating marine resources

Ecosystem Services



Valuation and compensation of ecosystem services

Technology



Development and transfer of suitable technology for the Baltic Sea

Blue Bio-technology



BSR-wide systematic approach to Blue Bio-technology Research

Finance



Unlock financing for innovative uses of marine resources

Regulation



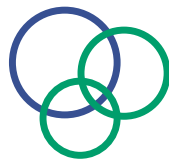
Create better legal and regulatory conditions

Image



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 well-being via new marine products

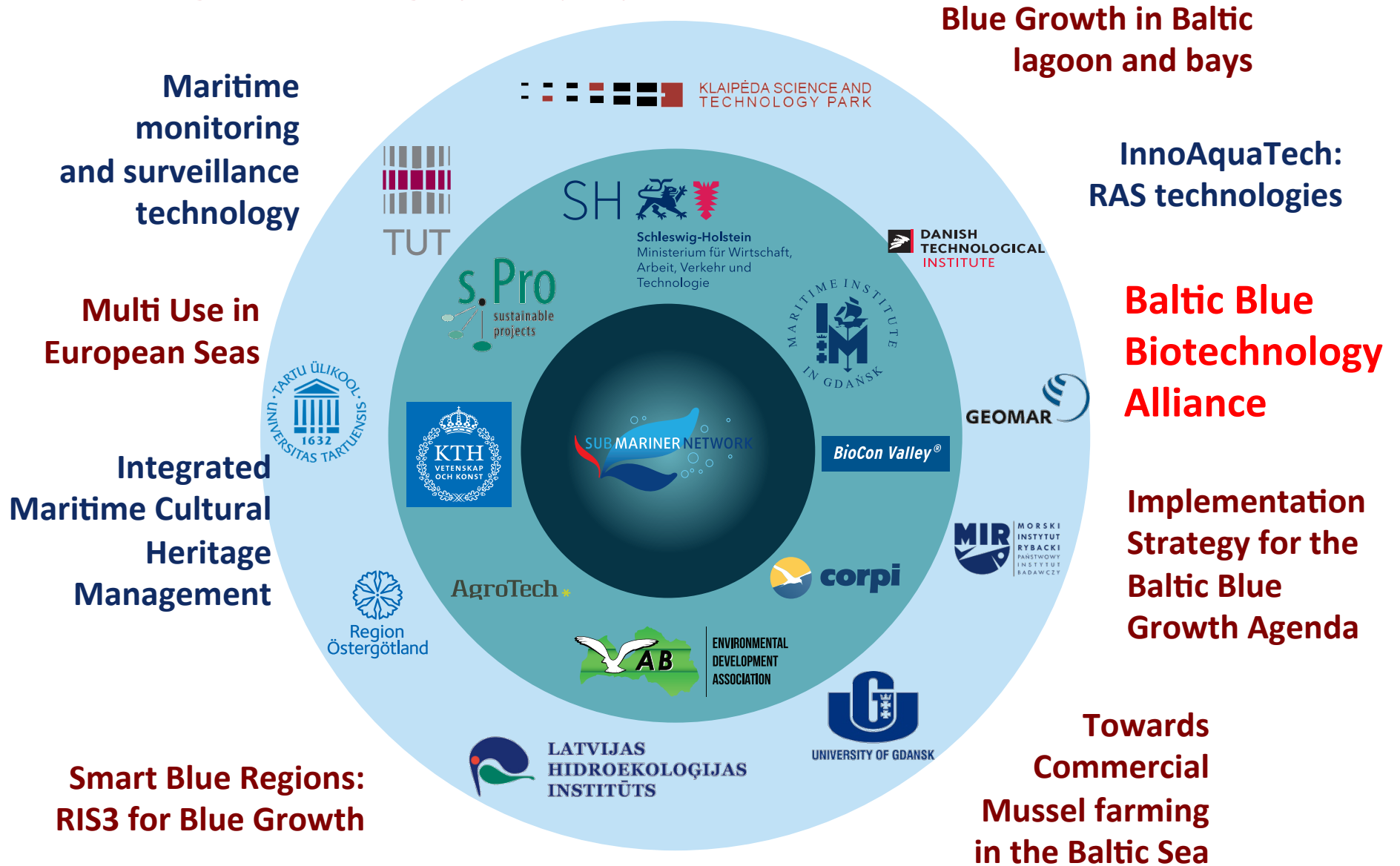


The Baltic Sea Region – a biobased innovation showcase

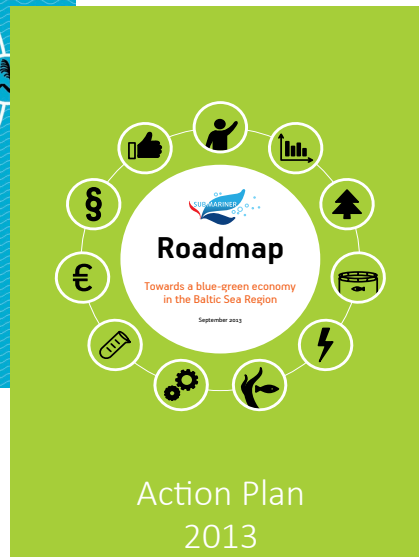
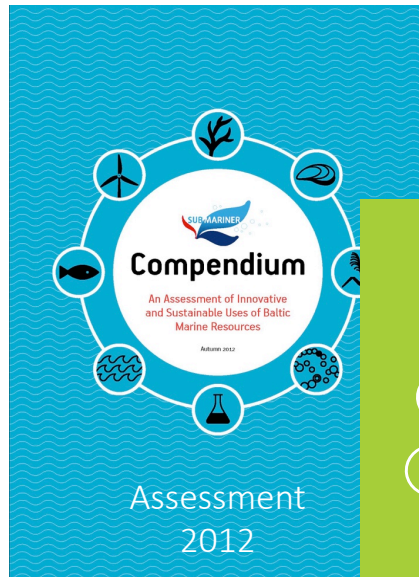
# Reaching out through joint projects



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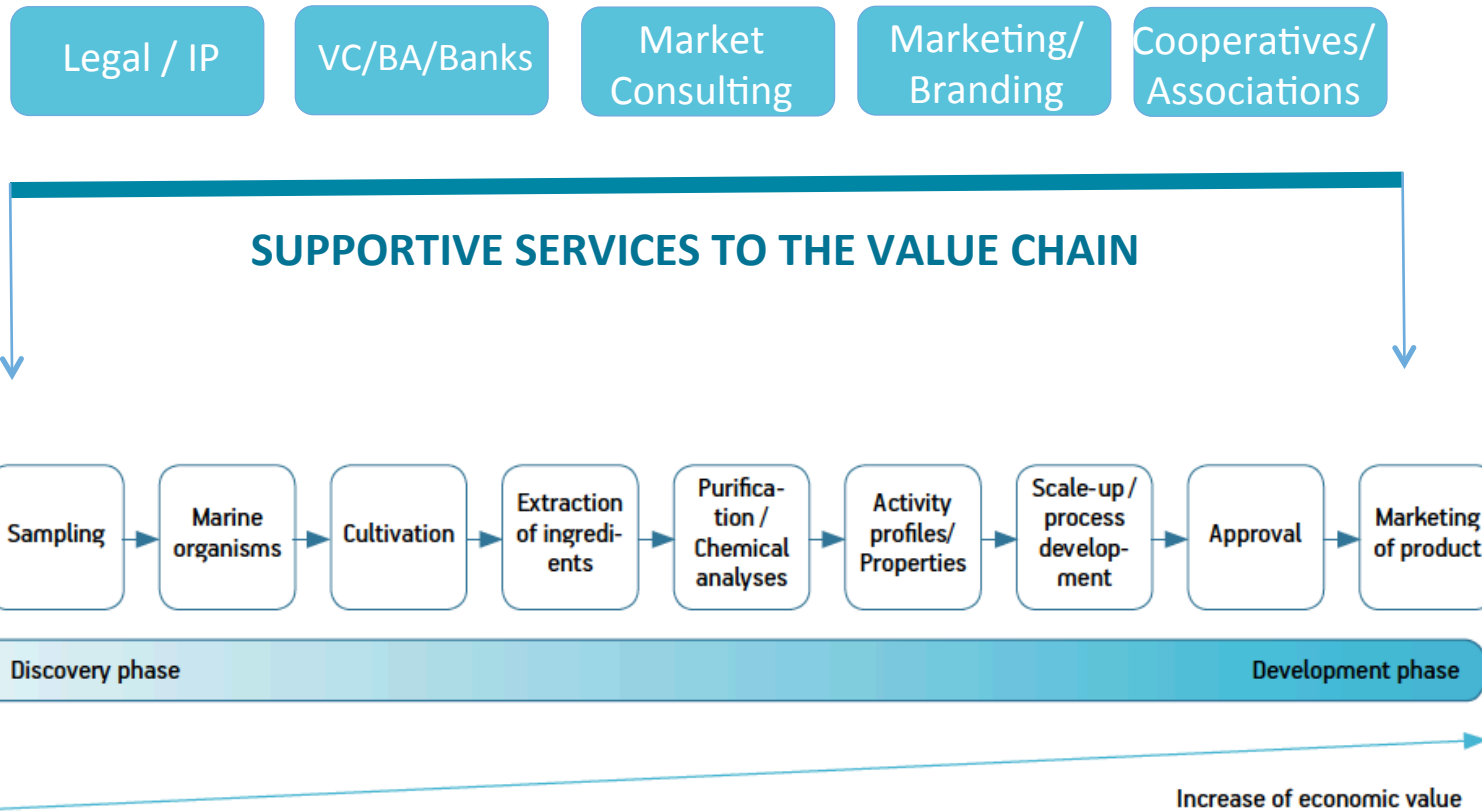
# Policy Background



Significant potential of blue biotechnology sector – but development depends on more strategic approach across the BSR...



# Blue Biotechnology value chain

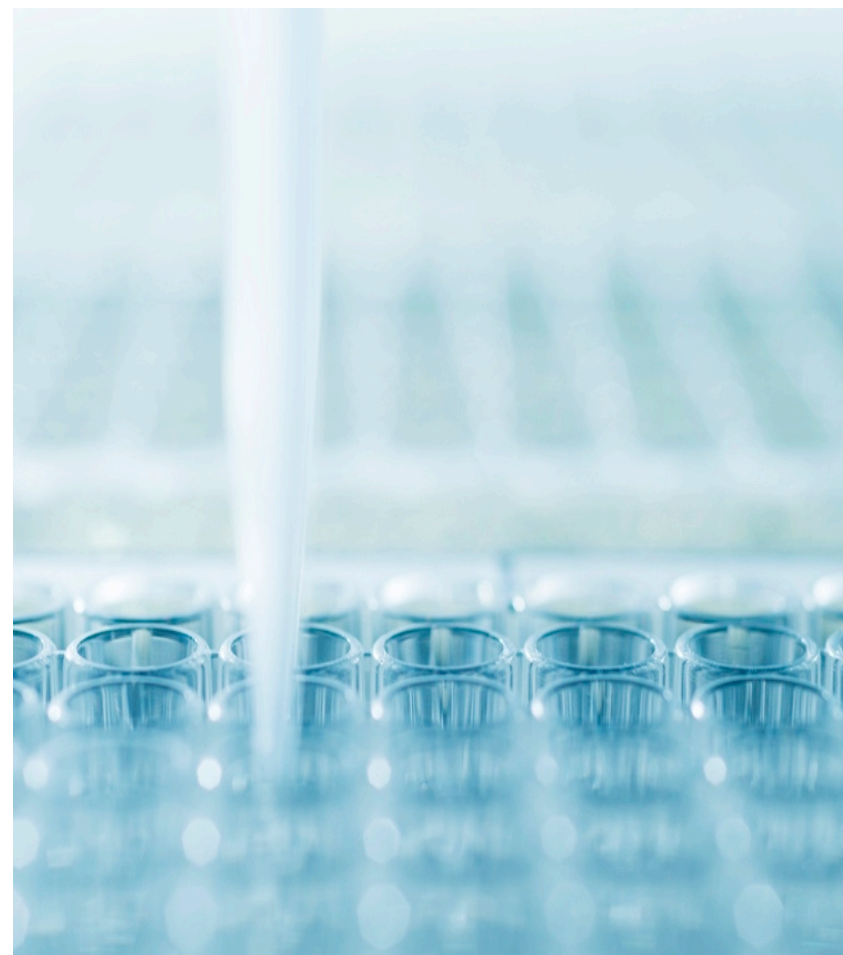


## Baltic Blue Biotechnology Alliance

*Accelerating the development of marine bio-based products through transnational collaboration of private & public partners*

- Create success stories !  
From research to companies ...
- Pro-active search for new actors:
  - Working through calls
  - Pitching events – international panel
  - Joint Marketing
- Info and service hub:
  - Where to find which resources, material, knowledge, test beds, laboratories, etc.
  - Overcome “soft” barriers: language, organisational, financial, legal issues

**Funding: BSR Interreg, 2016-2018, 3.7 Mio €**



# Current Alliance partners







# What we want to achieve



- Blue biotechnology **success stories** => as well as learn from failures ...
- An on-going, needs-oriented **service offer**
- **A self-sustaining network** of actors

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# The first generation cases

13



13 October | ERA-Net Stakeholder Meeting | Brussels



# Baltic macroalgae in global cosmetics



- New product based on macroalgae extracts,
- Application in cosmetics to protect skin from free radicals
- Alliance helping to find alternative extraction method



*“Working with scientific experts within the Alliance allows us to fast-track our product development process.”*

**Levent Piker** | CRM – Coastal Research & Management | Germany



Coastal Research & Management

## Biovento's search for algae inhibitors



- Start-up hopes to identify algae growth inhibitors in its microalgae collection
- Alliance helping with bioactivity testing, extraction methods and market research



*“As a start-up, Biovento is benefiting from the broad range of expertise and services on offer within the Alliance.”*

Natalia Kujawska | Biovento | Poland



# Exploring new uses for geothermal water



- How to valorise geothermal water?
- Possibilities range from aquaculture to health
- Alliance developing biological and business models for new uses



*“Becoming part of the Alliance has given us a chance to discover more creative ideas and scientific analysis of our potential.”*

Sigitas Petrauskas | UAB Geoterma | Lithuania



## Healthy fish, happy customers



- Company working on probiotics-based products applications in fish aquaculture
- Alliance helping with laboratory tests in applied testing phase



*“Our products will promote fish health and at the same time reduce the need for antibiotics in aquaculture.”*

Arta Bārdule | Baltic Probiotics | Latvia



baltic probiotics

# Microalgae facility for hire



- Putting an existing state-of-the-art microalgae test facility to new use as a test and research facility
- Alliance helping to develop concept and identify new users



*“Made-to-measure usage agreements are an exciting possibility of ensuring a future for our facility.”*

**Preben Thisgaard** | Kalundborg Utility | Denmark



# Alliance cases – the second generation

## 1<sup>st</sup> Baltic Blue Biotechnology Alliance call for ideas

Come and join the #BalticBlueBioAlliance – our experts will help you take your blue biotechnology idea to the next level!

### WHAT?



Expert support in marine biobased product and service development – from scientific and technical development to contractual and financial expertise to marketing. A budget pool of €142,000 to be divided between the selected new partners.

### FOR WHOM?



Start-ups, SMEs, larger companies, academic institutions and scientific groups, students with new product or service development ideas from marine biobased resources.

### WHEN?



Apply by **16 September 2016** **New deadline**

Pitch your idea to an international expert panel on **26–27 October 2016** in Helsinki, Finland, to join the Alliance.



Call extended:  
new deadline  
16 September 2016.  
APPLY NOW!

[balticbluebioalliance.eu](http://balticbluebioalliance.eu)  
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- 20 applications from 8 countries
- Wide range of fields
- 11 candidates short-listed for Alliance project partner status



# Upcoming event:

**#BalticBlueBioAlliance Matchmaking Event**

Helsinki, Finland  
26–27 October 2016

REGISTER NOW!

[balticbluebioalliance.eu](http://balticbluebioalliance.eu)  
[#BalticBlueBioAlliance](https://twitter.com/BalticBlueBioAlliance)

Interreg Baltic Sea Region ALLIANCE

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