

The *SUBMARINER Network*
as facilitator for blue growth
cooperation, 2019



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Baltic Sea Mussel Farming and Nutrient Offset Conference, Malmö, 24 April. 2019

Members of the SUBMARINER Network

the hub
for promoting
a sustainable
marine (bio)
economy in the
Baltic Sea Region
and beyond



Member of:



Full
members

Associate
members

Flagship of:



SUB MARINER

Since its founding in 2014, the SUBMARINER Network family has been continuously growing. It currently consists of 15 members, representing 10 countries. The network covers the private sector of the maritime industry and many more. Our project...



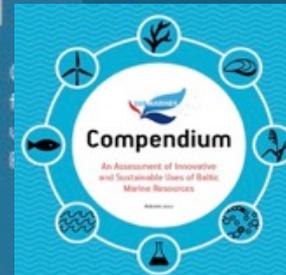
ROADMAP 2013



THE IDEA 2010

The project SUBMARINER (2010–2013) assessed, for the first time, the potential for innovative and sustainable uses of Baltic marine resources. It developed the idea for the network.

COMPENDIUM 2012



Combination with
Offshore Wind Parks

Sustainable Fish
Aquaculture

Macroalgae
Harvesting
and Cultivation

Mussel Cultivation

Reed Harvesting

Large-scale
Microalgae
Cultivation

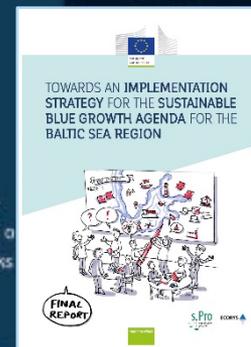
NETWORK 2014

Foundation of the
SUBMARINER Network
for Blue Growth EEIG



2017 SUBNET CONFERENCE DECLARATION

The 2nd SUBMARINER Conference "Better off Blue", hosted in Berlin on 27th–28th September 2017, marks another milestone.

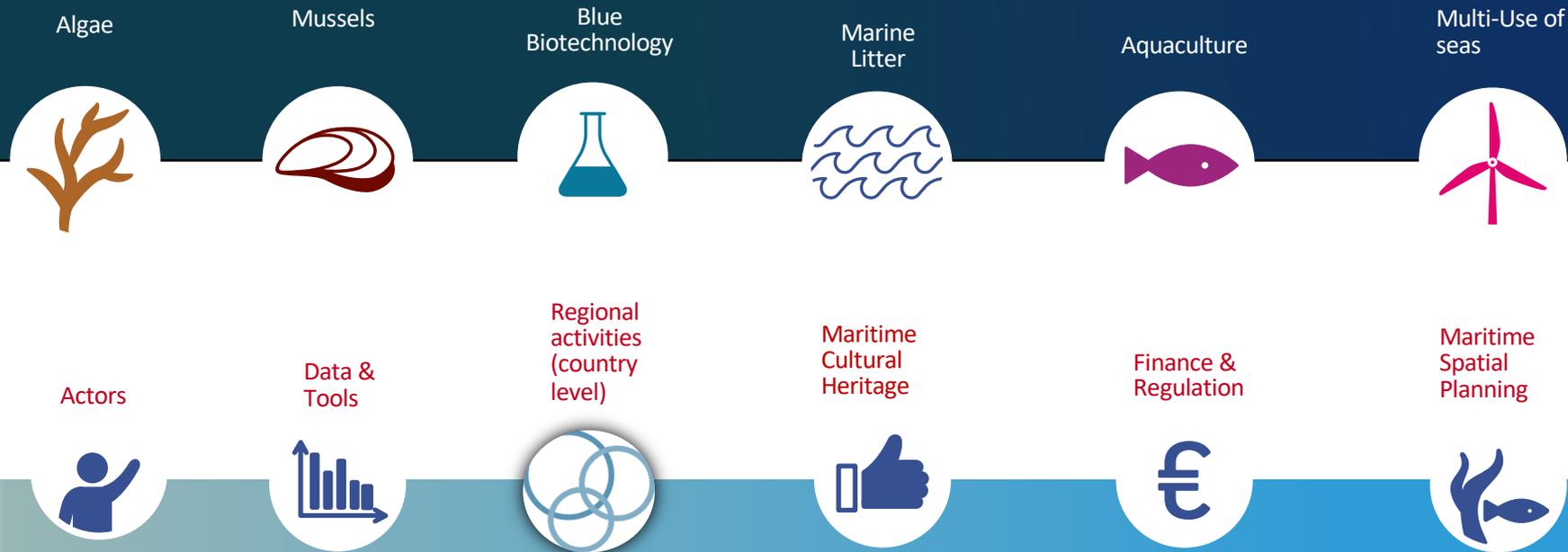


OUR VISION 2030

The Baltic Sea Region –
a biobased innovation
showcase

2016 ROADMAP STATUS REPORT

SUBMARINER thematic areas

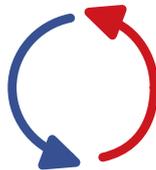


SUBMARINER vision 2030

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 biomass portfolio



Improve human well-being via new marine products



The Baltic Sea Region – a **biobased innovation showcase**

SUBMARINER projects

2015-2019

Baltic Blue Biotechnology Alliance



Advancing marine bio-based product development

1 3 4 5 6

InnoAquaTech



Cross-border development & transfer of innovative and sustainable aquaculture technologies

1 4 5 6

Baltic Blue Growth



Initiating full scale mussel farming in the Baltic Sea

1 2 3 4 5 6

Baltic RIM



Baltic Sea Region Integrated Maritime Cultural Heritage Management

1 3 5

Smart Blue Regions



Smart Specialisation and Blue Growth in the Baltic Sea Region

1 2 3 4 5 6

MUSES



Exploring the opportunities for Multi-Use in European Seas, including the scope for innovation and Blue Growth potential

1 2 3 4

2018-

Blue Platform



Capitalization on transnational blue bioeconomy project findings and capacity building

1 2 4 5 6

GRASS



Capacity building of public authorities on supporting macroalgae production and use

1 3 4 5

Blue Generation



Inspire and engage with young people to pursue a sustainable career within Blue economy sectors

2 3 4

Baltic Blue Biotechnology Alliance

Advancing marine bio-based
product development



InnoAquaTech



Cross-border development
& transfer of innovative and
sustainable aquaculture technologies



Baltic RIM



Baltic Sea Region Integrated
Maritime Cultural Heritage
Management



Smart Blue Regions



Smart Specialisation and Blue
Growth in the Baltic Sea
Region



MUSES



Exploring the opportunities for Multi-
Use in EU Seas, including the scope for
innovation and Blue Growth potential



Baltic Blue Growth

Initiating full scale mussel
farming in the Baltic Sea



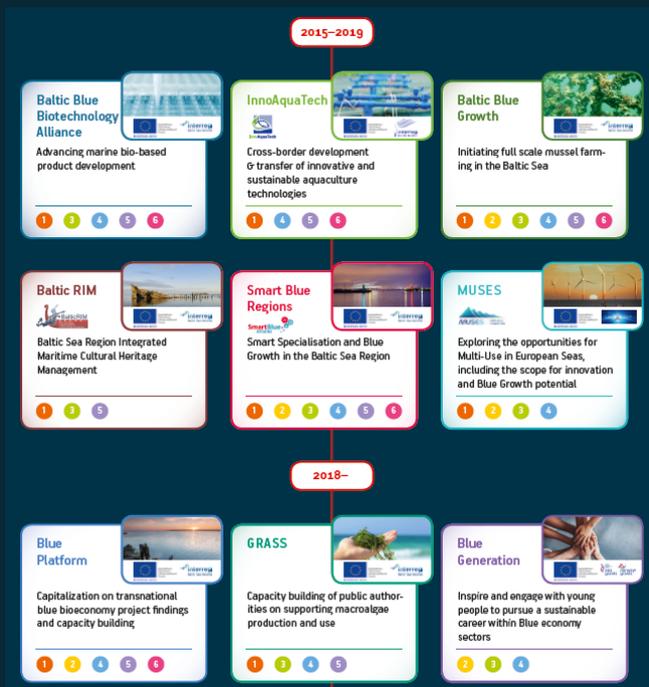
SUBMARINER: Capitalizing on 80+ Outputs

Blue Platform

Capitalization on
transnational blue
bioeconomy project findings
and capacity building



SUBMARINER 2019+ Projects and more



From project consortia to
SUBMARINER working groups

Financial mix:

- New topics with new projects
- Members investment
- Strategic funding

Companies' corner

Service & knowledge provision

Active SUBMARINERS

New! 4 NEXTGEN SUBMARINER WGs

Baltic Blue Biotechnology Alliance
Advancing marine bio-based product development



Other projects

Blue Biotech WG

1

InnoAquaTech
Cross-border development of innovative and sustainable aquaculture technologies



Other projects

Aquaculture Alliance WG

Smart Blue Regions
Smart Specialisation and Blue Growth in the Baltic Sea Region



Other projects

Blue Regions WG

1

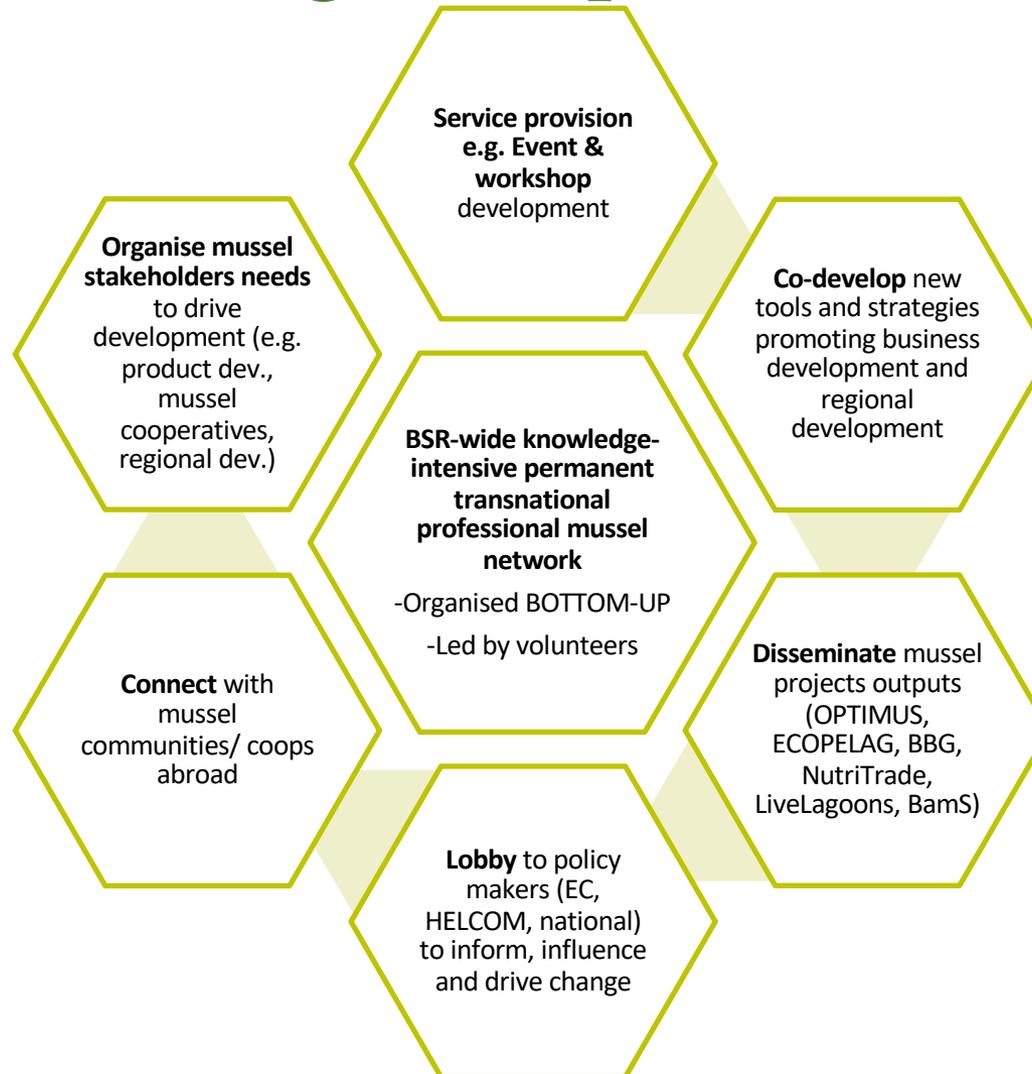
e.g. NutriTrade, OPTIMUS

Baltic Blue Growth
Initiating full scale mussel production in the Baltic Sea



Mussels WG

New! The BSR wide network: Mussel Working Group



New! Mussel Working Group



What you need to know:

- ONE mussel community of the BSR and ONE lobby
- SUBMARINER Members direct access and benefit
- Initiative needs content and drive by its WG members
- In-kind contributions are appreciated
- Start: 1-2 meetings per year on voluntary expert basis:
First meeting in 2019
- Project development is always in the financial mix, but only!
 - Service & knowledge provision
 - Event organising
- Mussel company corner

Mussel cultivation

A contribution towards counteracting eutrophication



PROJECTS

- + Baltic Blue Growth
- + OPTIMUS project
- + NutriTrade
- + LiveLagoons



REPORTS

- + 'Blue mussel farming costs, production amount and yield in the Baltic Sea' Sea'
- + 'Ecological impacts at the small-scale commercial mussel farms in the Baltic Sea' (coming soon)
- + 'Environmental monitoring of Baltic Sea mussel farms'



DATA & TOOLS

- + Operational Decision Support System (ODSS)

- + Tool 2
- + Tool 3

All data & tools



FINANCE & REGULATION

- + Legislation Issues Status Report
- + 'Blue mussel farming costs, production amount and yield in the Baltic Sea'
- + Ecosystem Services Payment Study (coming soon)

Website revamps!

-  Mussel Open portal to host the WG
-  Showcase factsheets, publications and tools
-  Profile community
-  Cross-synergies with other platforms (algae, IMTA, blue biotech)
-  Mussel news, opinions, and events (fed by all members!)
-  Newsletter service
-  2020: WG closed portal

News



Meet the farmer: Urmas Pau

[Read more](#)

Events

Meeting "Cultivation of mussels as an optional occupation for coastal inhabitants".
17 Apr 2019
Riga, Latvia

Baltic Sea mussel farming and nutrient offset conference
24 Apr 2019
Malmö, Sweden

Baltic Sea Science Congress
19 Aug – 23 Aug 2019
Stockholm, Sweden

[All events](#)

- **Workshop 1:** From Scientific Ideas to Blue Biobased Businesses
- **Time:** 16. May 11:45 – 13:15
- **Objective:** To showcase the challenges that scientists face when translating a lab-based innovation to a blue biobased business, and how networks such as BBA & BBBA can offer effective support to overcome such challenges
- **Organisers:** SUBMARINER Network (Baltic Blue Biotech Alliance) & BlueBio Alliance
- **Moderator:** Angela Schultz-Zehden



Workshop 2: Blue and green bioeconomy in the BSR from a youth perspective

Time: Thursday, 13 June 2019, 10:45 - 12:15

Objective: key trends and business support solutions on blue and green bioeconomy with a focus on youth.

Co-organisers NCM & SUBMARINER



Thank you very much!



www.submariner-network.eu