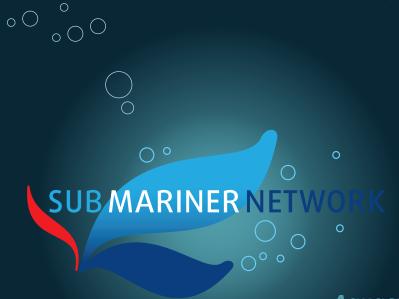




The SUBMARINER Network - a facilitator for sustainable & innovative Blue Growth cooperation



Lisa Simone de Grunt
Blue Platform
Aquaculture Legislation Workshop
Helsinki, Finland
6 - 7 February 2020



OUR APPROACH





4

SUBMARINER Network for Blue Growth

- Durable result of a BSR Interreg project
- Flagship project under EUSBSR Priority Area "Innovation"
- Transnational umbrella for initiatives with different funding sources
- Information sharing, match-making, marketing, project development
- Bottom-up, self-financing network of public and private actors and stakeholder
- Currently 27 members
- Organised as a non-profit EEIG –
- Permanent Secretariat in Berlin



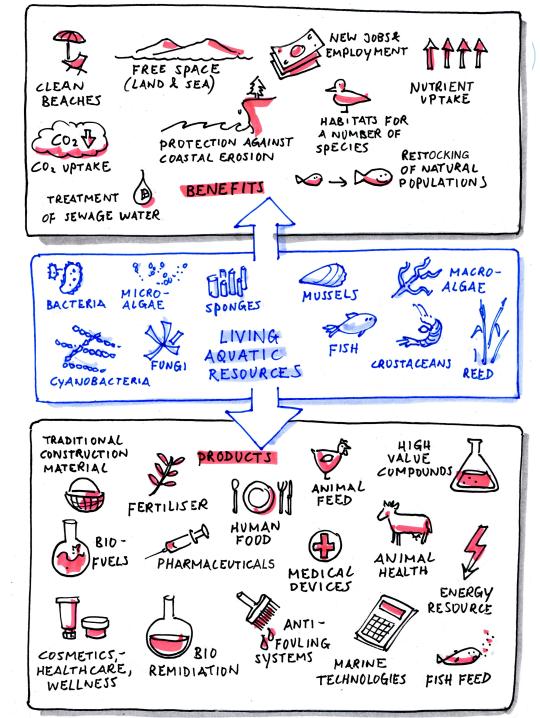




What is the 'Blue Bioeconomy'?

Commercial use and conversion of living aquatic resources into a wide variety of **products and services** such as environmental friendly food, feed, biobased materials and bioenergy.





SUBMARINER topics

Macroalgae harvesting and cultivation

Mussel Cultivation Reed & Beach Cast

Marine Cultural Heritage Blue Biotechnology

Marine Litter Sustainable Fish Aquaculture

Combinations with Offshore Wind Parks

















strategic action fields

Actors & Match-Making

Data & Tools

Sub-regional activities

Access to Pilot sites & facilities

Training & Capacity Raising

Technology Transfer

Finance & Funding

Regulation

Awareness& Marketing



















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

Baltic Sea Region vision for 2030

A clear, consistent and harmonised regulatory framework in place



Commercial macroalgae cultivation for numerous algae-based products.

A diversified tourism industry which closely cooperates with local business & stakeholders

Numerous marine bio-based products available on endconsumer markets.

Skilled labour is in place for all key blue industries

Effective & efficient monitoring & information

Recirculating aquaculture systems have enabled a steep increase of fish production and other high-value seafood.



Digitalisation & green shipping in place



Mussel farms
improve water
quality and
supply highvalue feed
products





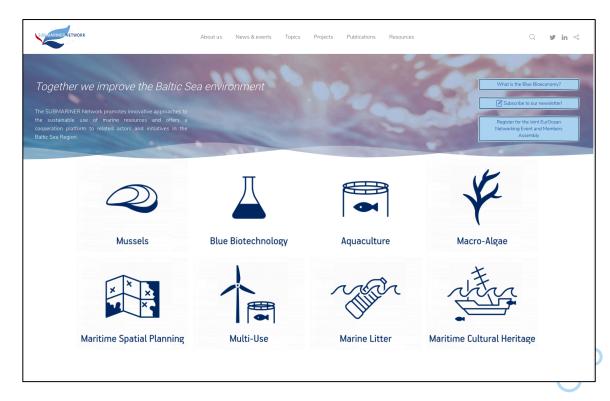
- Communication and dissemination
- Network meetings and regular pitching & matchmaking events
- Expert advice and coaching
- Promotion of members' competences
- Position & policy papers & lobby
- Leading project development
- Not a one-off, but a post-project long-standing & growing network
- Blue & diverse regional & global mutual interest
- Bottom-up Member approach with dedicated Secretariat in Berlin

Blue Platform: from website to info-portal on Baltic Blue Bioeconomy



- Reports, data, guidelines, tools, training material, projects, links
 - Events, Workshops
 - Study tours
 - News, opinions
 - 'Who is who' members, incl. business corner
 - Match-making / cooperation requests
 - Training opportunities, summer schools
 - Newsletter service
 - Closed section for members

https://www.submariner-network.eu





Blue Platform



Creating a critical mass for action



Identifying actors, competences and initiatives

- SUBMARINER match-making: website, newsletter, events, projects
- Members connected to right partners taking their idea further in joint initiatives









Taking action via projects (2016-2019)



Interreg



Baltic Blue Biotechnology Alliance

Advancing marine bio-based product development



InnoAquaTech

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



Baltic Blue Growth

Initiating full scale mussel farming in the Baltic Sea



Baltic RIM

Baltic Sea Region Integrated Maritime Cultural Heritage Management



SmartBlue

Smart Specialisation and Blue Growth in the Baltic Sea Region



MUSES Multi-the in

Exploring the opportunities for Multi-Use in European Seas



Taking action via projects (2019-2021)



Capitalization on transnational blue bio economy project findings and capacity building



GRASS

Capacity building of public authorities on supporting macroalgae production and use



Blue **Seneration**

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



Alliance+

Operationalising the innovation platform and mentoring programme for Blue Biotech SMEs



UNITED

Demonstrating Multi-Use in Atlantic, North and Baltic Sea



Capacity4MSP

Strengthening the capacity of MSP stakeholders and decision makers







A joint initiative of the SUBMARINER Network secretariat, 7 of our members & the Coordinator of the EUSBSR PA Bioeconomy

- Sept 2021
- € 1 Mil
- All BSR partners



Blue Platform capitalizes on the outputs of complementary transnational projects and facilitates increased cross-exchange and cooperation between Baltic Blue Bioeconomy actors

Blue Platform



Advancing Blue Bioeconomy Capacities in the Baltic Sea Region



POLICY AREA 'INNOVATION'











Blue Platform activities

Optimise frameworks for streamlining funding and legislation

Information
dissemination and
deepen knowledge
about project
outputs

Creating targetgroup oriented synergy products from projects

Capacity building

Increasing effects of projects and their products

Sharing best practices













Outputs

- An online "Blue Platform" containing a repository of products, up-todate information and actors
- A manual with joint standards for blue bioeconomy interventions in the BSR
- Two policy papers on the alignment of funding and legislation respectively
- A transnational and cross-sectoral "Better off Blue 2.0" conference
- Blue Platform Roadmap 2020









Four permanent SUBMARINER Working Groups (2019)



Baltic Blue Biotech Alliance

50+ Blue Biotech Actors
Match-making; pitching events;
marketing; mentor training &
mentorship for any new member /
case



Aquaculture WG

Study tours, match-making for SMEs, summer schools, Decision Support Tool, consulting, demo facilities, technoeconomic data



Blue Regions WG

Workshops & stakeholder meetings on demand-driven priority-list topics for unlocking the potential of blue growth



Mussels WG

Cooperation of Baltic Mussel Farmers & Supporters: joint monitoring standards, data sharing; joint work on legislation & lobby for nutrient payment; joint business planning for building cooperative approaches for joint use of equipment and supply to downstream



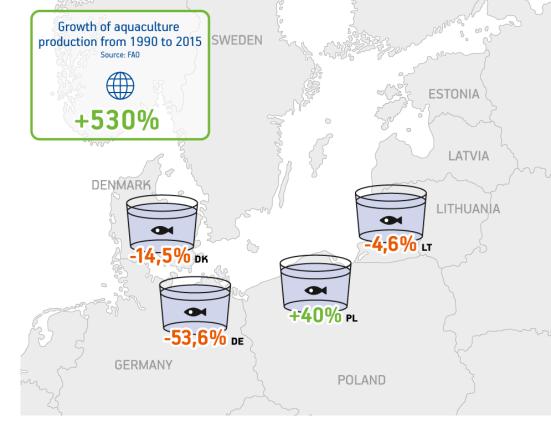






4 Pilot cases - each focusing on a specific RAS technology





Promoting RAS

SUB/MARINER NETWORK

- Identifying best practices of integrated aquaculture systems
- Created a network of stakeholders
- Implemented an SME service package (match-making; trainings; study visits; innovation check tool)



News & events

Projects

Publications

Resources







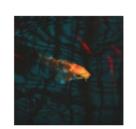


Aquaculture in the Baltic Sea

The SUBMARINER Network coordinated the InnoAquaTech project (2016-2019) and now coordinates the Baltic Aquaculture Cooperation which works to promote sustainable aquaculture in the Baltic Sea Region. This webpage presents the key facts, reports, networks and other relevant information on aquaculture in the Baltic Sea, including fish aquaculture but

InnoAquaTech flyer

Join the Baltic Aquaculture Cooperation



Regular teleconferences between key Baltic aquaculture actors



One-stop-shop for relevant information on sustainable aquaculture

> environmental and economical dimensions of aquaculture



A unified 'lobby' at events of strategic interest and developing position papers

Support with communication and dissemination activities

matchmaking events for aquaculture practitioners to find the right Baltic Sea Region partners to complete product development value chains

Cross-sectoral interlinkage to actors from other blue bioeconomy thematic fields, e.g. blue biotechnology, mussel farming, algae, multi-uses of sea, beach cast, marine litter etc.



identification of funding and investment opportunities and dedicated partner collaboration in proposal development

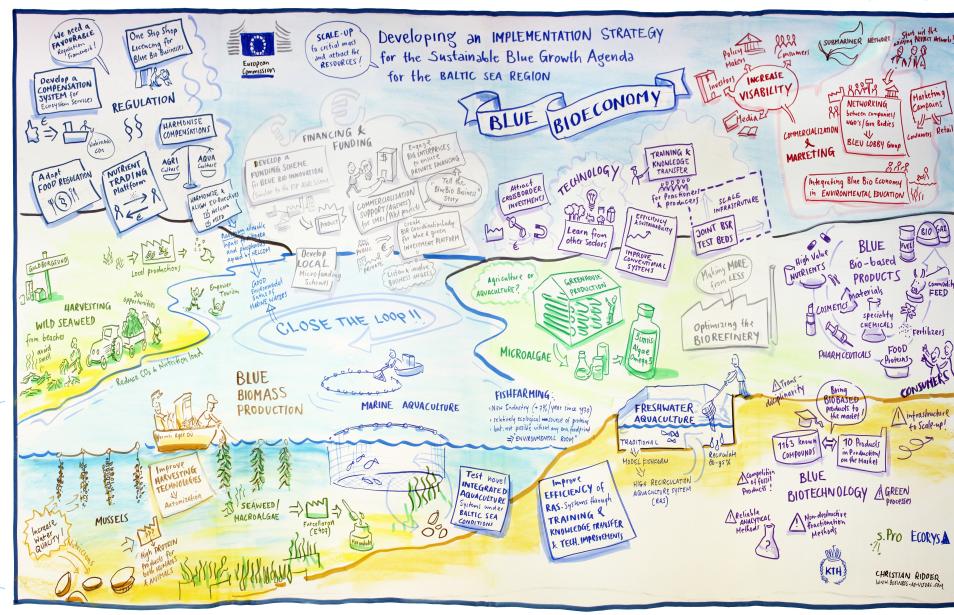


Access to the InnoAquaTech Decision Support Tool, which addresses technological,

facilities.

connection to R&D, regional development actors as well as industry innovators

But still a lot needs to be done





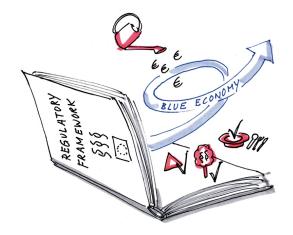


Blue Platform

Overcoming regulatory barriers

- Clarify and align regulatory framework
- Create multi-disciplinary interministerial group
- Develop & test economic incentives for provision of ecosystem services by blue biomass production
- Revise and strengthen certification labels.
- Simplify licensing







Technology and Knowledge Development & Transfer

- Blue technology development and optimisation
- Accessible infrastructure for scaling up
- Demonstration plants
- Improve efficiency of technology transfer structures



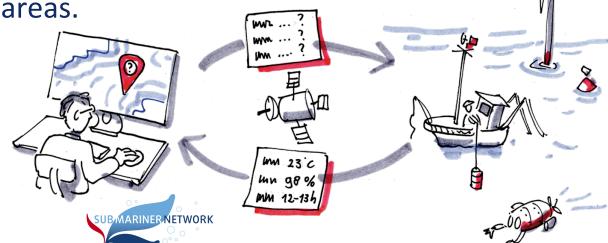


Blue Platform

Data and information needs

- Sufficient body of data & info on Baltic Sea resources prerequisite for well-grounded decisions,
- Pan-Baltic mapping of blue bioeconomy actors' data and information needs,
- 'Fit for purpose' data & info available to select optimal sites

 Make use of BSR potential in environmental and monitoring technologies and data analysis tools create system test areas.



Examples of possible challenges

We are looking for challenges that realise products, processes, technologies and solutions to improve the circularity, reusability or sustainability of a company - or those that address wider challenges or opportunities in the Baltic Blue Bioeconomy. Possible themes could include:

Climate Change

Market trends

Circular economy

Connecting sectors/multi-use

CO2 reduction

Waste stream valorisation

(Innovation

Upscaling/Commercialisation

Digitalisation / blockchain / new technologies

Food, feed, pharmaceuticals, cosmetics





3ave the Datel 4-5 APRIL 2020 KRISTINEBERG, SWEDEN



The SUBMARINER
Network is inviting
Baltic companies and
institutes to present
challenges to
be solved by multidisciplinary teams
of students from our
SUBMARINER members.

Submit your challenge NOW and register as a mentor or expert!

The SUBMARINER Network is organising the first-ever Baltic Blue Bioeconomy Hackathon to collect innovative and creative ideas to promote, accelerate and shape the future of the Blue Bioeconomy in the Baltic Sea Region. We are inviting Baltic Blue Bioeconomy companies and institutes to present challenges to multi-disciplinary teams of students from our SUBMARINER members => these teams will be given 48h to present possible solutions to these challenges in a creative environment. The teams will be judged by a panel of experts on a range of indicators, including creativity, possibility for implementation and consideration of whole value chains.







Register as an expert

Submit a challenge Register a a mentor

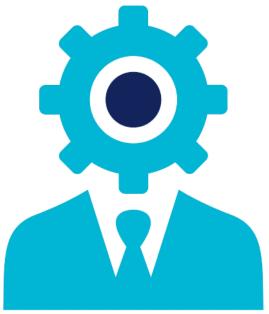


So what are we doing today and tomorrow?

Blue Platform

- Input presentations: State of Play
 - What can we learn from each other?
- Discussing in small groups
 - 4 sub-topics
 - How can we put Baltic aquaculture more on the map?
- Input for Hackathon
- Co-developing position paper
 - influence EU and other legislation
- What are our recommendations?







Thank you!

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