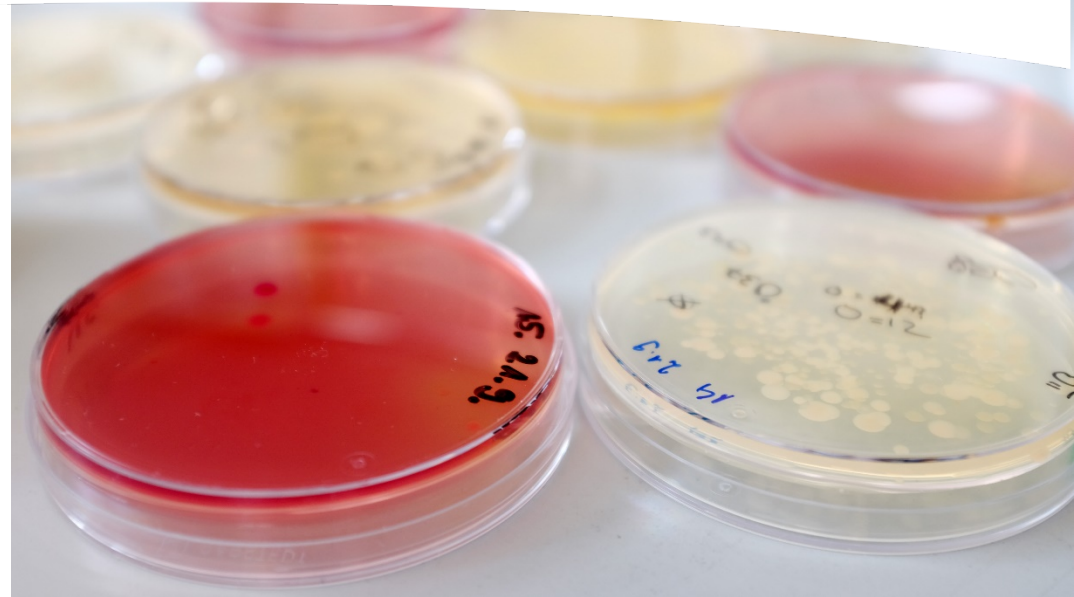
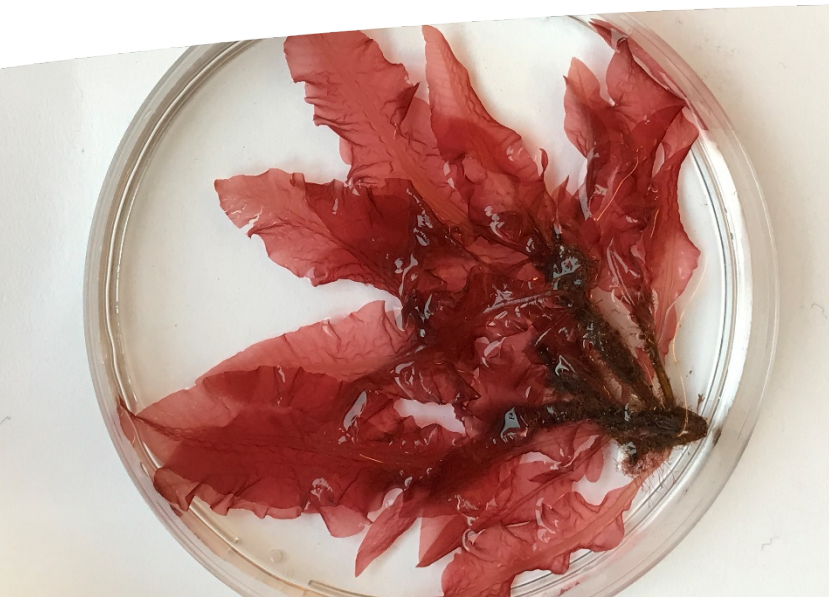


Blue biotechnology session



Efthalia Arvaniti

SUBMARINER Network for Blue Growth EEIG

7. November 2019 Berlin, Germany

Baltic Blue Biotechnology Alliance & **Alliance+**

Advancing marine
biobased product
development



Baltic Blue Biotech Alliance rationale

- Tremendous potential in the BSR in using marine organisms for developing innovative added-value products and services
- Abundant blue biotech R&D expertise in the BSR that can tackle challenges & directly benefit society
- Transnational networks supporting tech innovation are paramount in boosting innovation esp. in small countries

THE blue bioeconomy accelerator and innovation platform in the Baltics

Baltic Blue Biotech Alliance

- 3 years (2016-2019)
- 19 service providers (R&D institutions, business support organisations, SMEs)
- Set up a mentoring programme/accelerator service offer
- Piloted/validated with 26 cases service end-user “cases” (SMEs, start-ups, projects)
- Developed a business model
- Developed an Blue Biotech BSR R&D agenda

Creating a critical mass for action

1

Identifying actors, competences and initiatives

2

SUBMARINER match-making: website, newsletter, events, projects

3

Members connected to right partners - taking their idea further in joint initiatives



26 Alliance cases so far... and counting!



Hilary Karlson from DTI with Guldborgsund Municipality's mayor, John Brædder.
Courtesy Guldborgsund Municipality



Baltic Probiotics



Levent Piker, Coastal Research and Management (CRM), Case Owner and Mentor.
Photo courtesy of CRM

THE blue bioeconomy accelerator and innovation platform

- Alliance+ 1.5 years (2019-2021)
- Operationalise the business model of the Alliance
- Expand the network of mentors, experts & blue detectives to 50+
- Train new mentors/“blue detectives”
- Find sponsors, investors & supporters

Vision

- Make it a sustainable service offer under SUBMARINER
- Product development support for business corner
- Get 5 new “cases” per year
- Develop two pitching events per year
- Diversified portfolio and resources (incl. VC & angels on board)
- Project development (also R&D)

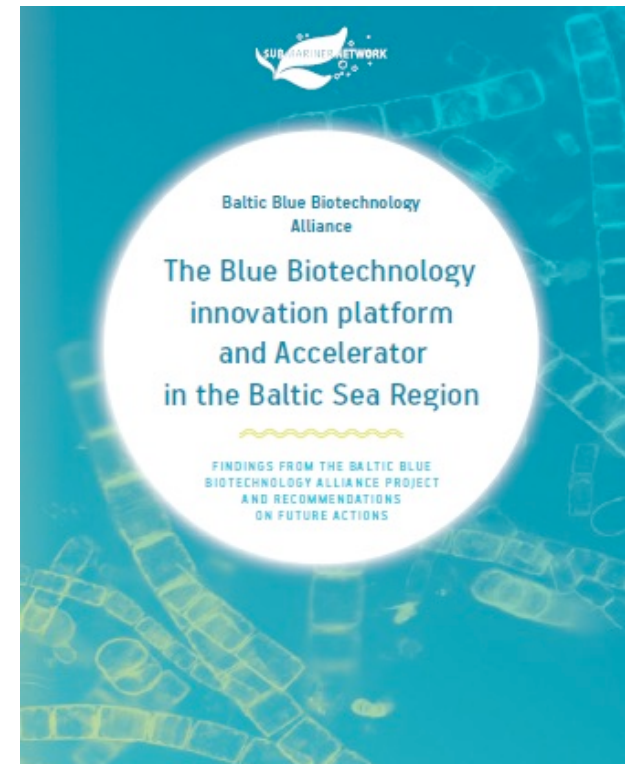
How to get involved today:

- Become
 - A mentor, service provider/expert (Various options: tech development/transfer, biomaterial, equipment, business, legal, marketing, financing)
 - A blue detective
- Invite a supporter/sponsor: Various options
- Bring new projects/cases that can directly benefit from the *Alliance*
- Join our 1st match-making event on 23-24. January 2020 in Helsinki
- Next match-making event on 4. June 2020 in Berlin

Blue biotechnology R&D agenda (2019)

– identifying R&D needs in the BSR

- Going to print in November
- Send to EUSBSR, BBF, HorizonEurope
- Recommendations:
 - Access to aquatic biological resources
 - Sustainable integrated biomass production systems relevant for the BSR
 - Design new materials supporting the circular economy
 - Align blue biotechnology R&D with product market trends, challenges and opportunities
 - Map capacities and resources to boost blue biotechnology R&D and innovation in the BSR
 - Cross-cutting issues: clustering, education, financing, communication



Who wants to get involved and how?

- Raise hands!
- Who wanna become service provider/mentor?
- Or a “blue detective”?
- Any direct linkages you can offer with other existing projects? E.g. CONTRA, Fucosan, Seafarm, GoJelly.....



THANK YOU

Become part of the movement!

ALLIANCE PARTNERS | Want to join?



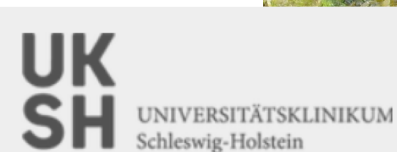


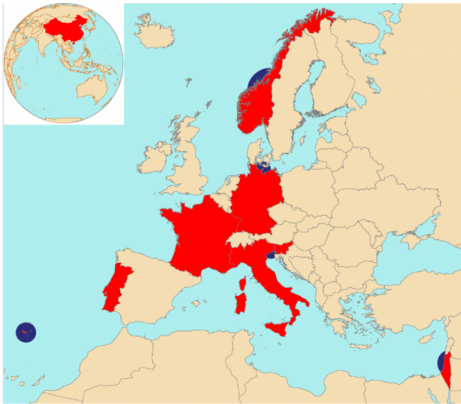
Interreg
Deutschland - Danmark



The FucoSan project aims to generate systematic knowledge of fucoidanes and their modes of action. In various test systems, the optimal fucoidan for each particular application should be found.

Recommendations for action...



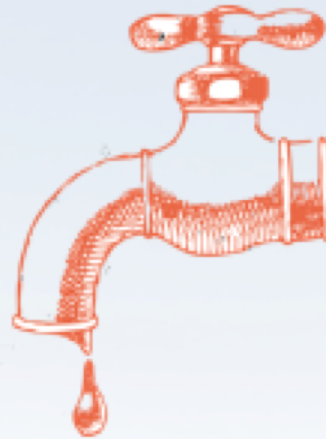


GoJelly



Biotech innovation

Cosmetics
Nutraceuticals
Medicine



Blue innovation

Use Jellyfish for a
microplastic filter



Green innovation

Jellyfish as food,
feed and fertilizer