

GRASS project (Growing Algae Sustainably in the Baltic Sea)



BALTIC MACROALGAE CONFERENCE
The GRASS Final Conference
6-7 May 2021 | Registration now open



SUBMARINER Network and

the GRASS project (Interreg BSR)

proudly present the

Baltic macroalgae conference

Date: 6-7. May

Time: 09.30-14.00 CET

Macroalgae are game-changing biomass resources for producing food, cosmetics and energy without competing for arable land, depleting fresh water and adding fertiliser. However, the sector is still in its infancy in the Baltic Sea Region and there is a lack of in-depth and wide-spread knowledge on the potential benefits of macroalgae. The GRASS project conference will gather experts, from the Baltic Sea and beyond, with knowledge, initiatives, stories and practices. The aim to place seaweed in the heart of the Baltic Sea Region, to raise awareness, also among public authorities, on the arising benefits and opportunities of macroalgae and pave the way for future innovation and product development. For this the conference will give voice to the triple helix of innovation - industry, academia and government. During the conference, delegates will have the opportunity to elaborate on a developing policy paper.

Themes of the conference:

- State of play and prospects of macroalgae production and use in the BSR
- Benefits, risks, opportunities and barriers in innovation, production and product development
- How to bridge supply and demand for marketing algae products? Understand the industry needs to upscale production
- The role of algae in contributing to EUs contribution to SDGs: nutrient recycling, GHG emission uptake, biodiversity
- How to best link up with the European wide 'Algae' initiatives
- Harvesting beach-wrack: a problem or a resource?
- What comes AFTER GRASS – how to continue work as the SUBMARINER Algae working group

Organising committee:

- Efthalia Arvaniti, Frederick Bruce, Angela Schultz-Zehden - SUBMARINER Network (DE)
- Jonne Kotta Uni Tartu EE
- Daniel Franzen KTH SE
- Tomasz Kulikowski NMFRI PL

Preliminary agenda

Latest changes are highlighted: Session 3 shortened, and conference closing earlier @13:45.

Day 1: 6. May

Time	Agenda item
09.30-10:25	<p>Setting the scene</p> <p>– Hosted by Angela Schultz-Zehden SUBMARINER Network for Blue Growth</p> <p>50 in in total</p>
	<ul style="list-style-type: none"> • Welcome & house rules - Angela Schultz-Zheden SUBM <p>5 minutes</p>
	<ul style="list-style-type: none"> • Welcome from GRASS project Lead partner – Fredrik Gröndahl, KTH Royal Institute of Technology in Stockholm <p>10 minutes</p>
	<ul style="list-style-type: none"> • Algae in the EU policy context - Maris Stulgis, DG MARE <p>10 minutes</p>
	<ul style="list-style-type: none"> • Safe Seaweed Coalition - Vincent Doumeizel, Lloyd's Register Foundation/ UN Global Compact <p>10 minutes</p>
	<ul style="list-style-type: none"> • SUBMARINER Roadmap 2021-2027 on macroalgae and beach wrack – Angela Schultz-Zheden & Efthalia Arvaniti SUBM <p>15 minutes</p>
	<ul style="list-style-type: none"> • Macroalgae policy paper – why/how to – Efthalia Arvaniti SUBM <p>5 minutes</p>
10:25-10:35	<p>Bridge session</p> <p>– presented by Frederick Bruce SUBMARINER</p> <p>Joint understanding among ALL participants:</p>

	<ul style="list-style-type: none"> • Suggestions for the scope, and setup of the NEW Macroalgae Working Group (WG)? (Jotform) • Opening of the Experts Survey for the conference position paper (Sli.Do) <p>10 min</p>
<p>10:35-10:40</p>	<p><i>Short comfort break</i></p> <p>5 min</p>
<p>10:40-12:00</p>	<p>Session 1: State of play of macroalgae market pull in the Baltic Sea Region</p> <p>- Chaired and moderated by Fredrik Gröndahl, KTH, Sweden</p> <p>80 minutes in total</p> <ul style="list-style-type: none"> • The macroalgae Baltic market – Tomasz Kulikowski, National Marine Fisheries Research Institute, Poland <p>15 min</p> <ul style="list-style-type: none"> • Unlocking the potential of using macroalgae for food purposes – Moona Rahikainen, University of Turku, Finland <p>10 min</p> <ul style="list-style-type: none"> • Fucoidans in ocular health – bio-activities with high (market) potential - Alexa Klettner, University Medical Center Schleswig-Holstein (UKSH), Germany <p>10 min</p> <ul style="list-style-type: none"> • Why we invest in seaweed – Linn Anne Bjelland Brunborg, Orkla Ocean, Norway <p>10 minutes</p> <p>Industry pitch:</p> <ul style="list-style-type: none"> • Algenladen- Michael Hofmann, Germany <p>5 min</p> <p>Session 1 panel Discussion with Q&A:</p> <p>Trends on business models combining ecosystem services and market products; market barriers, new food regulation; Baltics in the focus.</p> <p>focus.</p> <p>Panelists:</p> <ul style="list-style-type: none"> • Linn Anne Bjelland Brunborg, Orkla Ocean, Norway • Michael Hofmann, Algenladen GmbH, Germany • Tomasz Kulikowski, National Marine Fisheries Research Institute, Poland • Moona Rahikainen, University of Turku, Finland • Alexa Klettner, University Medical Center Schleswig-Holstein (UKSH), Germany

	<ul style="list-style-type: none"> ● Maris Stulgis, EC DG MARE <p>30 minutes</p>
12:00-12:20	<p><i>Long comfort break – Fill in Sli.Do. & take photo!</i></p> <p>20 min</p>
12:20-13:40	<p>Session 2: State of play and main barriers of macroalgae production in the BSR</p> <p>- Chaired and moderated by Jonne Kotta, University of Tartu, Estonia</p> <p>80 minutes</p> <ul style="list-style-type: none"> ● Mapping macroalgal production and farming challenges in the Baltic Sea region – Francisco Rafael Barboza Gonzalez, University of Tartu, Estonia & Daniel Franzen, KTH, Sweden <p>15 min</p> <ul style="list-style-type: none"> ● Macroalgae production in GRASS and SUSCULT countries: Issues on regulating a noble blue biomass – Teresa Camarena Gómez, Finnish Environment Institute (SYKE), Finland <p>15 min</p> <ul style="list-style-type: none"> ● Seaweed for food, feed, climate and the marine environment – Annette Bruhn, Aarhus University, Denmark <p>10 min</p> <p>Industry pitches:</p> <ul style="list-style-type: none"> ● Pure Algae Denmark - Esben Rimi Christiansen, Denmark ● Nordic Seafarm – Simon Johansson, Sweden <p>10 min</p> <p>Session 2 panel Discussion with Q&A:</p> <p>Main barriers and good practices of macroalgae production in the BSR.</p> <p>Panelists:</p> <ul style="list-style-type: none"> ● Francisco Rafael Barboza Gonzalez, University of Tartu, Estonia ● Daniel Franzen, KTH, Sweden ● Teresa Camarena Gómez, Finnish Environment Institute (SYKE), Finland ● Annette Bruhn, Aarhus University, Denmark ● Esben Rimi Christiansen, Pure Algae, Denmark ● Simon Johansson, Nordic Seafarm, Sweden <p>30 minutes</p>
13:40-14:00	<p>Closing for the day</p> <p>- by Efthalia Arvaniti</p>

	<p>Wrap up so far & main points collected for the position paper (from the Sli.Do ongoing survey)</p> <p>See you tomorrow at 09:30 CET</p>
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Day 2: 7. May 09:30 – 14.00 CET

Time	Agenda item
09.30-09:50	<p>Welcome back and explaining the reminding of the position paper – Sli.Do.</p> <ul style="list-style-type: none"> - by Efthalia Arvaniti SUBM <p>20 minutes</p>
09:50-10:50	<p>Session 3: Good practices for Baltic seaweed production</p> <ul style="list-style-type: none"> - Chaired and moderated by Kristian Spilling, Finnish Environmental Institute – SYKE <p>80 minutes in total</p>
	<ul style="list-style-type: none"> ● Environmental impact of macroalgae cultivation and wild harvesting in the Baltic Sea – Ieva Barda, Latvian Institute of Aquatic Ecology <p>10 minutes</p>
	<ul style="list-style-type: none"> ● Sea Multi-use with seaweed aquaculture – Eef Browsers, North Sea Farmers, the Netherlands <p>10 minutes</p>
	<p>Industry pitches:</p> <ul style="list-style-type: none"> ● Havhøst – Joachim Hjerl, Denmark ● Kieler Meeresfarm – Tim Stauffenberger, Germany <p>15 minutes</p>
	<p>Session 3 panel discussion with Q&A:</p> <ul style="list-style-type: none"> ● Tech transfer from other regions and sectors to secure benefits. <p>Panelists:</p> <ul style="list-style-type: none"> ● Ieva Barda, Latvian Institute of Aquatic Ecology ● Eef Browsers, North Sea Farmers, the Netherlands ● Tim Stauffenberger, Kieler Meeresfarm, Germany ● Joachim Hjerl, Havhøst, Denmark <p>30 minutes</p>

<p>10:50-11:00</p>	<p><i>Short comfort break– Fill in Sli.Do.</i></p> <p>10 min</p>
<p>11:00 – 12:10</p>	<p>Session 4: Beach-wrack: problem or resource?</p> <ul style="list-style-type: none"> - Chaired and moderated by Efthalia Arvaniti, SUBMARINER <p>70 min in total</p> <ul style="list-style-type: none"> ● Socio economic benefits of beach wrack harvest & management - Hanna Nathaniel, KTH, Sweden <p>10 minutes</p> <ul style="list-style-type: none"> ● Closing the nutrient loop with harvesting beach wrack and applying digestate on land - Jörgen Held, Baltic Energy Innovation Centre, Sweden <p>10 minutes</p> <ul style="list-style-type: none"> ● Value creation and opportunities in beach wrack management & the formation of a beach wrack Network- Jens Almqvist, Krinova, Sweden & Jane Hofmann, EUCC, Germany <p>15 minutes</p> <p>Industry pitches:</p> <ul style="list-style-type: none"> ● Origin By Ocean – Mikael Westerlund, Finland <p>5 minutes</p> <p>Panel Discussion with Q&A:</p> <ul style="list-style-type: none"> - What are the main barriers for scaling up sustainable collection and for business creation? <p>Panelists:</p> <ul style="list-style-type: none"> ● Hanna Nathaniel, KTH, Sweden ● Jane Hofmann, EUCC, Germany ● Mikael Westerlund, Finland <p>30 minutes</p>
<p>12:10-12:30</p>	<p><i>Long comfort break</i></p> <p>20 min</p>
<p>12:30-13:30</p>	<p>Consolidation session: launching SUBMARINER Macroalgae Working Group with first policy position paper</p> <ul style="list-style-type: none"> - Moderated by Efthalia Arvaniti with Angela Schultz-Zehden & Frederick Bruce - SUBMARINER <p>60 minutes in total</p> <ul style="list-style-type: none"> ● Results on survey on the Setup ● Next steps of the NEW Macroalgae WG (Jotform)

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	<ul style="list-style-type: none"> ● Endorsement of key points of the macroalgae position paper with next steps by the SUBMARINER Macroalgae working group <p>15 minutes</p>
	<ul style="list-style-type: none"> ● Experts to endorse the key messages, vision and next steps: <ul style="list-style-type: none"> ○ Maris Stulgis, EC DG MARE ○ Vincent Doumeizel, Lloyd's Register Foundation /UN Global Compact ○ Seaweed for Europe Coalition members from the Baltic/Nordic region ○ Baltic Ministries ○ Balti Regions & municipalities ○ Baltic R&D ○ Industry, incl. startups ○ Seaweed investors <p>45 min</p>
<p>13:30 – 13:45</p>	<p>Wrap-up, other BoB events, and see you soon</p> <ul style="list-style-type: none"> - Hosted by Efthalia Arvaniti SUBMARINER <p>15 min</p>