



AlgeCenter Danmark

**15th Nordic
Seaweed
Conference**
*From Research
to Industry*

7-8th October 2026
Programme

15th Nordic Seaweed Conference

From Research to Industry

Nordic Seaweed Conference is held at Kysthotellet, Kystvej 26, Grenaa

Programme Wednesday 7th October:

10:00 – 11:00 Registration
11:00 – 11:15 Welcome from AlgaeCenter Denmark

Opening Keynote:

11:15 – 11:45 *Keynote: Assessing the Environmental Impacts of the European Seaweed Industry: From Cultivation to Wild Harvesting*, Sophie Corrigan, Institute of Marine Research, Norway

Session 1: Cultivation and Production (Chair: Annette Bruhn)

11:45 – 12:00 *SFI Seaweed – Centre of gravity for industrial seaweed research and innovation*, Jorunn Skjermo, SINTEF Ocean, Norway
12:00 – 12:15 *From Wild Harvest to Aquaculture: Developing the Biological Foundations for Bull Kelp (*Durvillaea*) Cultivation*, Lindsey White, Auckland University of Technology, New Zealand
12:15 – 12:30 *Biomass Monitoring of *Asparagopsis* spp. using Hyperspectral Imaging for Industrial Bioremediation of Salmon Effluents*, Sarah Julie-Christoffersen Bartels, Maripure & Technical University of Denmark, Denmark

12:30 – 13:30 Lunch

Session 2: *Fucus* in Focus (Chair: Kiara Franke)

13:30 – 13:45 *SeaKey – a new identification key for the seaweeds of the German coasts and beyond*, Svenja Heesch, GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany
13:45 – 14:00 *Beyond Wild Harvesting: Sustainable Approaches to *Fucus* Biomass Production*, Pamela Walsh, Queen's University Belfast, Ireland
14:00 – 14:15 *Substrate and timing are key to successful *Fucus* seeding in a natural bed*, Kiara Franke, Aarhus University, Denmark
14:15 – 14:30 *Macrophyte dispersal from Racetrack flume to the Baltic Sea*, Friederike Gronwald, GEOMAR Helmholtz-Centre for Ocean Research Kiel, Germany

Session 3: *Ulva*: Biology, Cultivation and Applications (Chair: Kristoffer Larsen-Ledet)

14:30 – 14:45 *Harnessing Green Tide *Ulva* Biomass for Carbon Dioxide Sequestration*, Taejun Han, Ghent University Global Campus / Ghent University, Korea
14:45 – 15:00 *Identifying the Bacterial Drivers of DMSP Cycling in the *Ulva* microbiome*, Catherine Philip, University of East Anglia, United Kingdom

15:00 – 15:30 Coffee break

Session 3, continued: *Ulva*: Biology, Cultivation & Applications (Chair: Kristoffer Larsen-Ledet)

15:30 – 15:45 *Beyond PAR: Blue Light and Water Motion as Design Principles for Land-Based *Ulva australis* Cultivation*, Hojun Lee, Ghent University Global Campus, Korea
15:45 – 16:00 *A Perspective on Biomass-Based Textiles for a Circular Textile System*, Jihae Park, Ghent University Global Campus, Korea
16:00 – 16:15 *On the other side: Seaweed cultivation and utilization in the German South Baltic*, Christian Schultz, Alles Alge e.V, Germany

16:15 – 16:30 Closing note:

Seaweed projects in Greenland, Success and failure, Ole Hertz, Alluitsup Paa, Greenland

16:30 - 17:00 Poster Session

17:00 – 18:00 Seaweed Happy Hour

19:00 – 23:00 Seaweed conference dinner at the Kattegatcentre, Færgevej 4, 8500 Grenaa

We meet at the hotel lobby at 19:00 and walk together to the Kattegatcentre.

Programme Thursday 8th October:

07:15 – 08:30 Industry visits: – PureAlgae OR Food Diagnostics OR Seaweed Safari with Annette Bruhn.
All groups depart from the lobby at 7:15.

08:50 – 09:00 Welcome back

Please, remember to check out no later than 10 o'clock.

Opening Keynote:

09:00 – 09:30 *What does it take to get seaweed on the menu?* Dorothy Dankel, SINTEF Ocean, Norway

Session 4: Consumers and Food (Chair: Susan Løvstad Holdt)

09:30 – 09:45 *Iodine in Seaweed: From Food Safety Challenge to Nutritional Opportunity*

Susan Løvstad Holdt, Technical University of Denmark (DTU Food), Denmark

09:45 – 10:00 *Elemental Fingerprints of Seaweed Genera: Integrating ICP-MS and Chemometrics for Nutrition and Food Safety*, Cynthia Adaku Chilaka, Queen's University Belfast, Northern Ireland, UK

10:00 – 10:15 *ValueKelp: Development of safe kelp-based food products*,

Caroline Østergaard Klein, University of Copenhagen, Denmark

10:15 – 10:30 *Aquafarm to food products: Life cycle assessment of seaweed in pesto and pepperoni*,

Manali Chakraborty, University of Copenhagen, Denmark

10:30 – 10:45 *Co-existence for large-scale Seafood: From sea to shore*,

Laura Redmond, Innovatum Science Park, Sweden

10:45 – 11:15 Coffee break

Session 5: Biorefinery and High Value Compounds (Chair: Malene Lihme Olsen)

11:15 – 11:45 Keynote: *Harvesting Value from Halophyte and Seaweed Biomasses in the Cascade Extraction-based Biorefinery*, Mette Hedegaard Thomsen, Aalborg University, Denmark

11:45 - 12:00 *Kelp Biorefining – Chemo-enzymatic Strategies for Improved Yields and Insights into Biomass Organization*, Paulina Sandberg Birgersson, Norwegian University of Science and Technology, Norway

12:00 – 12:15 *A Circular Biorefinery Approach for Fucus vesiculosus: from Extraction to Residue-Based Antifungal Products*, Carlotta Minadi, KU Leuven, Belgium

12:15 - 12:30 *Valorization of DMSP-rich Seaweed Waste for Microbial Production of 3-hydroxypropionic Acid at Industrial Scale*, Ndeye Bineta, University of East Anglia, United Kingdom

12:30 - 12:45 *Species-Specific Metabolomic and Polyphenolic Signatures in Four Sub-Arctic Brown Seaweeds from Northern Norway*, Sdena Nunes, Norwegian Institute of Bioeconomy Research, Norway

12:45 – 13:45 Lunch

Session 6: Markets and Innovation (Chair: Marianne Thomsen)

13:45 – 14:00 *Valorization of Ulva Biomass: Local Bioplastic Fabrication and Comparative Analysis Across Multiple Geographical Origins*, Eitan Salomon, Israel Oceanographic and Limnological Research, National Center for Mariculture (IOLR-NCM), Israel

14:00 – 14:15 *Baltic Sea Macroalgae for Ruminant Feeding: Sustainable Solutions for Animal Health and Regional Bioeconomy (Alg4Nut)*, Azam Omid, University of Rostock, Germany

14:15 – 14:30 *What Macro-environmental and Industry Structural Drivers and Barriers Influence Downstream Adoption, Commercial Viability, and Scalability of Macroalgae in the European Food and Nutraceutical Markets?*

Lacinia Melike Koktvedgaard Caesar, University of Copenhagen, Denmark

14:30 – 15:00 Keynote: *European Algae Biomass Association*, Pi Nyvall, OLMIX SA, EABA, France

15:00 – 15:30 Goodbye for now followed by coffee and cake

A huge thanks to our sponsors and partners!!

