



1st International Seaweed Conference USA

Seagriculture

7 - 8 SEPTEMBER 2022
PORTLAND (ME), USA

Seagriculture conference will be held in North America for the first time!

For the first time the Seagriculture conference is being organized in the USA and will take place in the incredible Westin Portland Harborview in Portland, Maine, on 7 & 8 September. The Seagriculture conference in Europe has been successfully organized since 2012 and has built up a solid reputation as the leading conference for the seaweed industry, Seagriculture USA comes as an addition to the European edition.

Within 7 sessions and several keynote presentations some 27 seaweed experts from North America and Europe will be presenting numerous industry topics, which range from using seaweed to benefit the climate to innovative solutions for seaweed farming & processing, seaweed as a natural capital investment and much more. Some 300 conference attendees are expected to be in Portland for Seagriculture USA 2022!

Seagriculture USA is being supported and sponsored by our Exclusive Event Sponsors; the state of Maine.

Being the hotspot for the seaweed industry in North America the state of Maine is proudly supporting and sponsoring this first international seaweed conference in the USA. The conference is being supported and sponsored by **Maine Department of Economic and Community Development (DECD)**, **Maine Technology Institute (MTI)**, **Maine International Trade Center (MITC)** and **Maine North Atlantic Development Office (MENADO)**.

Seagriculture: where seaweed industry and academia meet!

The program of Seagriculture USA 2022 includes 2 dedicated sessions to the **ARPA-E's MARINER program** - Macroalgae Research Inspiring Novel Energy Resources program that seeks to develop the tools to enable the United States to become a global leader in the production of marine biomass. Presently, macroalgae is primarily used as food for human consumption, but there is a growing opportunity for the production of macroalgae for use as feedstock for fuels and chemicals, as well as animal feed.

Keynote Presentations

The first keynote by **Charles Yarish**, Professor from the **University of Connecticut**, will present seaweed aquaculture in the USA, its opportunities, directions, and challenges. **Silje Forbord**, a Norwegian Senior Research Scientist from **SINTEF**, will talk about upscaling and multiuse of ocean space projects conducted by SINTEF. Research Specialist from **Woods Hole Oceanographic Institution**, **Scott Lindell** will present summary results of 4 years of selectively breeding sugar kelp. **Jeff Hafting** from **Acadian Seaplants** will describe advancements in Canadian on-land seaweed cultivation.

MARINER program part I & II

The first and third sessions are dedicated to the ARPA-E's MARINER. During first session **Simon Freeman** and **Daniel Rogers** will start from investment and development activities of ARPA-E in macroalgal cultivation industry.

SESSION TOPICS

Session 1 & 3 MARINER program - part I & II *Macroalgae Research Inspiring Novel Energy Resources program seeks to develop the tools to enable the US to become a global leader in the production of marine biomass*

Session 2 - Offshore cultivation and scaling up production *Scaling up production can only be accomplished with the right cultivation technologies.*

Session 4 - Innovation Award *A jury incorporating international seaweed experts will select 3 nominees who offer the most innovative product, service, or invention.*

Session 5 - Seaweeds and climate change/ecosystem services/social aspects *Seaweeds provide environmental benefits, jobs, and much more.*

Session 6 - Investing in seaweed *Entrepreneurs will discuss possible ways to invest and get investment in the seaweed industry.*

Session 7 - Seaweed applications *Speakers will share their ways of using seaweed in different areas of life.*



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Eliza Harrison from **Ocean Rainforest** will talk about critical regulations for offshore seaweed cultivation and **Alyson Myers**, the President of **Fearless Fund**, - scaling seaweed for CO2 removal.

After the second session we will come back to the MARINER program to hear from **Nichole Price, Bigelow Laboratory for Ocean Sciences**, about cost-effective methods for verifying nutrient abatement by farmed seaweeds and from **Kristen Davis, University of California**, about MACMODS - a numerical tool to support the future of seaweed farming. Then **Tobias Dewhurst** from **Kelson Marine** will give a talk on observations from 5 years of modeling kelp cultivation structures in extreme environments, and **Clifford Goudey**, CEO of **TendOcean**, will present practical aspects of using catenary modules for seaweed farming.

Offshore cultivation and scaling up production

James Morris from **NOAA** will describe spatial planning infrastructure that will identify conflicts and opportunities early in the planning and permitting process. **Philip Kerrison**, a Netherlands Research Specialist from **Hortimare**, will discuss *Palmaria palmata* and its cultivation. **Julie Decker** will present **Alaska Mariculture Initiative** that expedites the growth of seaweed in Alaska and **Huibert-Jan Zweemer** will talk about Innovative solutions for seaweed farming & processing by **Murre Technologies**, a Netherlands-based company.

Innovation Award

3 nominees with the most innovative products, services, or inventions, selected by jury incorporating international seaweed experts, will be announced. In total 3 Innovation Awards will be presented: Gold, Silver, and Bronze. The Seagriculture Innovation Award is sponsored by our Exclusive Event Sponsors.

Seaweeds, ecosystem, and social aspects

Marc von Keitz from **Grantham Foundation** and **Jean-Baptiste Thomas**, a Swedish Researcher, from **KTH Royal Institute of Technology** will talk about how to use seaweed to benefit the climate review climate impacts from farmed kelp. **Bailey Moritz** from the **World Wildlife Fund** will present the potential of seaweed farming to act as a nature-based solution, while **Severine v T Fleming**, an activist-Organizer from **Seaweed Commons** will describe right-sized seaweed economy.

Investing in Seaweed

Three entrepreneurs, **Bobbie Lamont** from **Maine Angels**, **Gediminas Tamošaitis**, CEO of **Metal Production & Rocket Cluster**, **Megan Reilly Cayten** from **Oceans 2050**, will give a 5-minute pitch about investment opportunities in the seaweed industry and then discuss the future and business aspects with all the delegates in plenary discussions.

Seaweed Applications

Jessica Chalmers, the President of **Everything Seaweed**, will talk about the manufacturing of seaweed nano-fibers. **Julia Marsh** will share **Sway's** approach to solving the plastic problem with the power of seaweed. **Loretta Roberson** from Marine Biological Laboratory will describe best management practices across multiple sites in the Caribbean. President and CEO of **Atlantic Sea Farms**, **Briana Warner** will talk about line-grown seaweed as an umami-packed superfood and close the conference with a smashing Atlantic Sea Farms Live Cooking Event!

Seagriculture USA 2022 is organized by **DLG Benelux**, a subsidiary of the **DLG (German Agricultural Society)**.

For more information on the conference, the organizers, pictures, contact details of speakers for interviews, applications for press passes and barter deals, please refer to seagriculture-usa.com or contact us at info@dlg-benelux.com

The Netherlands, August 2022



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