

INNOAQUA: Algae-based innovation for next combined aquaculture production II



Online TEAMS event, Friday, September 11th 2026, 15.00 to 18.00 (CET)

Through its involvement in the EU Horizon Europe **INNOAQUA project**, and in partnership with the Instituto de Fomento Pesquero (Fisheries Development Institute) (**IFOP**), the European Aquaculture Society (**EAS**) is pleased to present this event on combined plant and animal aquaculture production technologies and the value added products from algal extracts.

Building from the first webinar that focussed on combined species production systems at pilot or near full scale from Europe and SE Asia, this workshop will focus on algal extracts and their potential food and non-food applications.

It will be followed by a panel discussion and audience Q&A that will discuss concept approaches, pilot successes and upscaling issues. Its principal objective is to share experience with experts on species, approaches and target end-products – paving the way for future cooperation and partnership.

Introduction



By the moderators: **Dorinde Kleinegris** (NORCE, Norway) and **Rodrigo Jaramillo** (IFOP, Chile).
Overview presentation from Dorinde on INNOAQUA and its objectives regarding algal-based products.

Case study presentation



Leila Hayashi (President of the International Seaweed Association and Research Scientist, Acadian Seaplants, Canada) - "The South American Seaweed "Marinescape": Cultivation and Market Trends"

Natrah Ikhsan (Microalgae Biota Technology and Innovation Group, Universiti Putra Malaysia) - "Harnessing Microalgae for Disease Control, Functional Nutrition and Integrated Aquaculture"

Juan Francisco Aldunce Meyer (Commercial Director, Seaweed Place, Chile) - "Innovative Approaches to the Utilization and Valorisation of Chilean Seaweed in the Food Sector"

Andrés Reyes (Laboratorios Bioluméa, Chile) - "Upcycling Forest and Coastal Biomass into CO₂-Capturing Nanocomposite Additives for Cosmetics and Coatings"

Derek Latil de Ros (ALGEMY, Spain) - "Innovative microalgae-based ingredients to meet food market demands"

Stive Pregent (Eranova, France) - "Algae-based packaging."

Panel



Panel discussion and open Q&A that will discuss concept approaches, pilot successes and upscaling issues.

Panel moderator: Patrick Sorgeloos (UGent, Belgium).

Closing comments



From the moderators.



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Our moderators



Dorinde Kleinegris



Dorinde Kleinegris is Principal Investigator Microalgae at NORCE in Norway and holds a part-time position as associate professor in Marine Biotechnology at the University of Bergen. She has a background in bioprocess engineering from Wageningen University. The research of Dr. Kleinegris focusses on microalgae strain selection and improvement, cultivation and process design, as well as techno-economic and life cycle assessment studies of the microalgae production chain. Next to scientific participation and supervision in projects, she has strong background in project management, both of EU and national projects as well as bilateral projects with industry.

Rodrigo Jaramillo Teufert



Rodrigo Jaramillo Teufert is a Marine Biologist, with an MSc in Environment and Biosecurity, and a researcher at the Instituto de Fomento Pesquero (Fisheries Development Institute) (IFOP), Puerto Montt office, with experience in the aquaculture and food industries. He currently works within the national monitoring program for *Didymosphenia geminata* (didymo), an invasive freshwater diatom. He complements this line of work with research in aquaculture biosecurity, including epiphyte management in *Gracilaria chilensis* cultivation and salmonid parasitology, directly linking his work to the seaweed industry and its sustainability. He is also a passionate birdwatcher.



Patrick Sorgeloos



Patrick Sorgeloos has a PhD in marine biology and set up the Artemia Reference Center at Ghent University in Belgium in 1978. He has been involved in brine shrimp Artemia projects and fish/shellfish hatchery developments in Europe, Africa, the Americas and Asia. Until his retirement as emeritus professor in 2013 over 350 Master (from > 50 countries) and 70 PhD alumni (from > 20 countries) graduated at Ghent University in the field of aquaculture. As Past-President of the World Aquaculture Society, and co-founder and board member of the European Aquaculture Technology & Innovation Platform, Patrick is a strong promoter of international networking in aquaculture and is still involved with many international aquaculture organizations. He was co-founder of the Ghent University spin-off company Artemia Systems that is now operating under the name of INVE Aquaculture. He received honorary awards in Belgium, China, Egypt, Greece, India, Malaysia, Russia, Thailand, USA, and Vietnam.



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Leila Hayashi



Leila Hayashi is a leading phycologist and research scientist specializing in seaweed biotechnology, cultivation, and commercial applications. She currently serves as the President of the International Seaweed Association (ISA) and brings her technical expertise to Acadian Seaplants Limited (ASL) in Canada, supporting their global research, development, and market initiatives. Over more than 20 years, her career smoothly bridges academic innovation and industry growth. She spent over a decade as a university professor and researcher at the Universidade Federal de Santa Catarina (UFSC) in Brazil, where she pioneered the introduction and environmental monitoring of Kappaphycus cultivation. Her dedicated work with local government bodies and the Ministry of Aquaculture and Fisheries laid the regulatory framework for sustainable seaweed cultivation in Southern Brazil, creating a viable new economic pathway for traditional coastal fishermen and shellfish producers.

Natrah Ikhsan



Natrah Ikhsan is a Professor and Head of the Department of Aquaculture, Faculty of Agriculture, Universiti Putra Malaysia (UPM). She also heads the Microalgae-Biota Technology and Innovation Group (ALBIC) in the university. She specializes in Aquatic Microbial Ecology, focusing on sustainable microbial management strategies through host-microbe interaction to improve fish health. Her research includes quorum sensing socio-microbiology, exploring both pathogenic and probiotic roles particularly in algae-bacteria interactions. Dr. Natrah currently leads projects funded by the International Development Research Centre (Canada), Global Affairs Canada, and the UK's Department of Health and Social Care (GAMRIF), focusing on the development of disease control strategies using microalgae and macroalgae for aquaculture industries and coastal communities.



Juan Francisco Aldunce Meyer



Juan Francisco Aldunce Meyer MV, MSc in Aquaculture, is a seasoned Commercial Director with over two decades of international experience in the aquaculture and food industries. Passionate about sustainability and biotechnology, he leads global market strategies for SEAWEED PLACE and AQUALINK, positioning Chilean seafood and seaweed products in competitive global markets. With deep cultural and commercial expertise spanning Asia, Europe, and the Americas, Juan Francisco excels at transforming innovative biotech and culinary products into successful, large-scale international business opportunities.



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Andrés Reyes



Andrés Reyes is a Microbiologist and Bioanalyst with professional experience in clinical diagnostics, immunohematology, and the medical technology sector. He is the Co-founder of Laboratorios Bioluméa SpA, where he contributes to the coordination of innovation projects and the development of collaborations between academia and industry. His work focuses on translating scientific research into practical and sustainable solutions, supporting the advancement of bio-based cosmetic technologies through interdisciplinary collaboration and innovation.

Derek Latil de Ros



Derek Latil de Ros is passionate about industrial biotechnology as a tool to make our lives better, healthier and more sustainable. He has close to 20 years of experience in biotech innovation, specifically in the field of microalgae. He has worked at all stages of product development from idea and concept generation to laboratory research, scale-up, bioactivity analysis, marketing and product launch. He is also experienced in collaborative research project management and private and public fundraising. Derek holds a PhD in microalgae biotechnology, an Executive Masters degree in innovation and a Professional Science Masters in Bioprocessing and Bioenergy.



Stive Pregent



Stive Pregent, PhD, is a Material Scientist and the R&D manager of Eranova. He has a MSc in Polymer Materials and a PhD in Biophysics. He has an extensive experience in using various polysaccharides in the food and cosmetic industry and has recently worked on the development of biomaterials based on seaweed extracts. His work now focuses on the incorporation of algae and other biobased materials into polymers to reduce the carbon footprint of plastics.

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