


# CIRCULAR AQUACULTURE FOR SUSTAINABLE FOOD PRODUCTION

A side event at One Ocean Summit 2026, hosted by AQUAPHOENIX Partners



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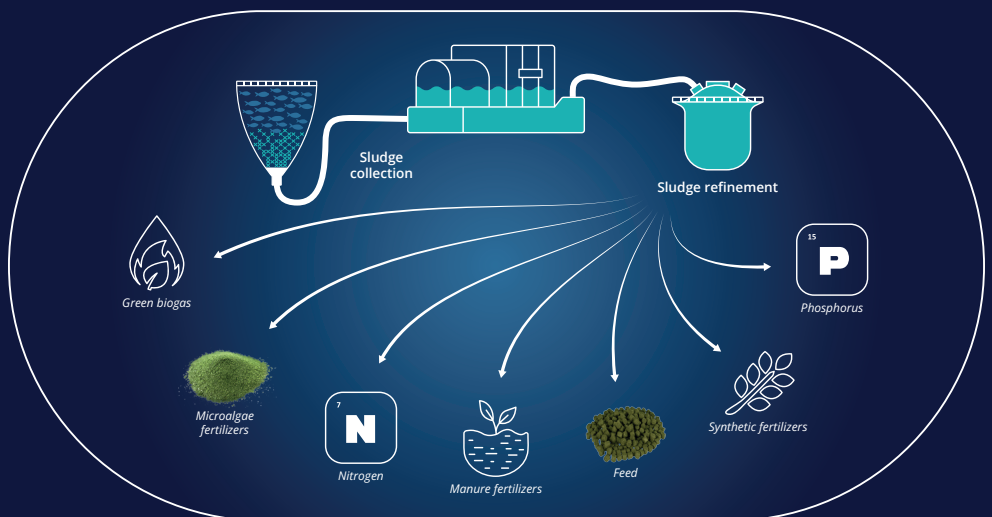
 Bergen Bryggens Museum

 20 April 2026 | 13:30 – 16:30



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Coastal ecosystems are under pressure from nutrient emissions in aquaculture. At the same time, the world needs more ocean-based food production to meet rising demand. Sustainable growth is only possible if aquaculture operates within safe ecological boundaries. Join this special session to explore how aquaculture can navigate these challenges, capitalise on sustainable innovation and circular solutions, and support policy and other enabling frameworks to progress from promising pilots to mainstream solutions.



## ➤ Welcome address

## ➤ Session 1: The Dilemmas of Sustainable Food Production

Nutrients like nitrogen and phosphorus are critical raw materials that, in excess, threaten marine ecosystems. The ability to recover and reuse these resources is therefore vital for food security, self-sufficiency, and environmental health. This session links the global ‘triple planetary crisis’—climate change, biodiversity loss, and pollution—to local coastal realities, showing how improved environmental management and circular aquaculture innovations are essential to maintaining healthy, productive marine ecosystems.

**Speakers include:** Stephanie Van Der Poel (United Nations Environmental Program), Frode Vikebø (Norwegian Institute of Marine Research) and Pär Larshans (Ragn-Sells).

## ➤ Session 2: Innovations for Circular Aquaculture

This session explores technology and system innovations enabling circular, sustainable aquaculture; including AQUAPHOENIX, a project working to collect and recycle sludge. Industry actors will present enabling technologies—next-generation production systems, advanced pumping and sludge-management solutions, nutrient upcycling, and phosphorus recovery—to show how circular principles are becoming operational realities to secure a regenerative future for aquaculture.

**Speakers include:** Hans Kleivdal (NORCE Research AS), Jan Svård (EasyMining AB) and Marvin Friesen (Friesen Group of Companies).

## ➤ Session 3: Drivers and Enablers for Circular Aquaculture

Key authorities and regional actors will discuss the frameworks needed to enable the scaling of circular aquaculture solutions from promising pilots to mainstream practice. What market drivers may impact the development of current food systems, and how must policy, regulation, incentives and collaboration support new initiatives, nutrient recovery, and reduced emissions? Participants will share perspectives on aligning national regulations with Nordic and international ambitions to see how circular solutions can be implemented at scale.

**Speakers include:** Frank Bakke-Jensen (Directorate of Fisheries for Norway), Ann-Cecilie Hansen (Norwegian Food Safety Authority) and Henrik Stensønes (North Sea Commission).

## ➤ Panel Discussion: The Way Forward

We will explore how stakeholders can accelerate circular aquaculture and what shared responsibilities emerge along and beyond the value chain.

**Moderator:** Pär Larshans (Ragn-Sells).