

## ISOS on-site Seminar

# Do you know how the fish you eat is farmed? Sustainability Challenges and Technical Innovations in Aquaculture

Dr. Florian Nagel, Aller Aqua Research

Dr. Biniam Samuel-Fitwi, GMA & CAU

Johann Torno, GMA

Aline Hock, Sustainable Food

Stefan Schüning, mariCUBE

**01 July 2016 | 10:00h-15:00h**



This hands-on workshop introduces concepts and technologies to solve environmental problems of aquaculture. The highly productive aquaculture industry has been perceived ambiguously in the last decade. On the one hand, it is seen to provide sustenance and sustain economic growth. On the other hand increased inputs, energy demands and high levels of effluents make it environmentally not sustainable. In Büsum, several research projects tackle these challenges of sustainable aquaculture with innovative approaches. The workshop combines lectures and discussions with hands-on experience from industry experts and a tour on the modern aquaculture facilities of Aller Aqua Research and Gesellschaft für Marine Aquakultur (GMA) in Büsum.

### Contents:

- Sustainability challenges of aquaculture
- Innovative technological developments in aquaculture production systems: general background, Büsum examples (industrial aquafeed manufacturing, self-cleaning inert gas denitification reactor)
- The business side: Trends in maritime technology-transfer in the region
- Meet the business experts: Aline Hock, CEO of Sustainable Food (a start-up) and Stefan Schüning, manager of the mariCUBE maritime technology transfer center

### Venue:

Aller Aqua Research Facility & Gesellschaft für Marine Aquakultur (GMA) Facility, Büsum

Transport to and from Büsum will be provided: departure Kiel ~ 8:00h, return ~17:00h

*ISOS PhDs have priority in our courses.*

*Child care can be provided if we have two weeks advance notice.*

**Registration Deadline: 15 June 2016**

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