

### AQUARIUS TA projects in FINMARI research infrastructures

#### MEMOBALTIC: cruise on Aranda

A research cruise with RV Aranda in the Gulf of Riga and Latvian waters in the Baltic Proper in May 2026. The research focused on microplastics and resting stages of plankton in sediments.

[Read more HERE](#)

#### F-DOM: workshop: Comparison of sensors

Laboratory tests in June 2026 on performance of different optical sensors in the measurement of dissolved organic carbon, and in relation to temperature and factory calibration.

[Read more HERE](#)



© Ilkka Lastumäki



© Katri Kuuppo



© Katri Kuuppo

### User story

Josephin Lemke is a PhD student at Syke in project PHYTOTRANS. Her research focuses on how sinking particles affect the transport and long-term sequestration of carbon in coastal ecosystem of the Baltic Sea. A particular emphasis is the role of phytoplankton communities in shaping particle dynamics and the efficiency of the biological carbon pump in the sea.

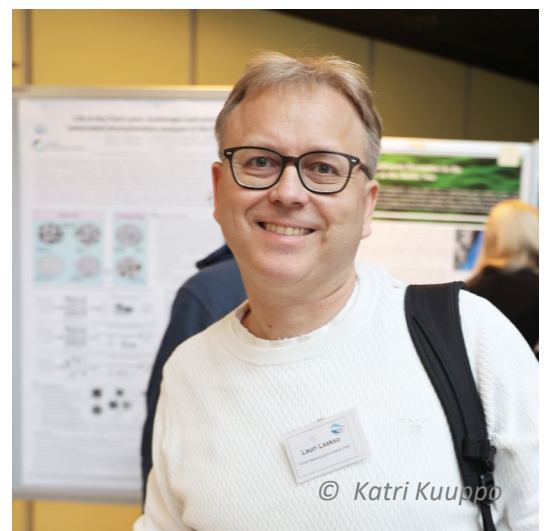
[Read more HERE](#)

### Who's who in FINMARI

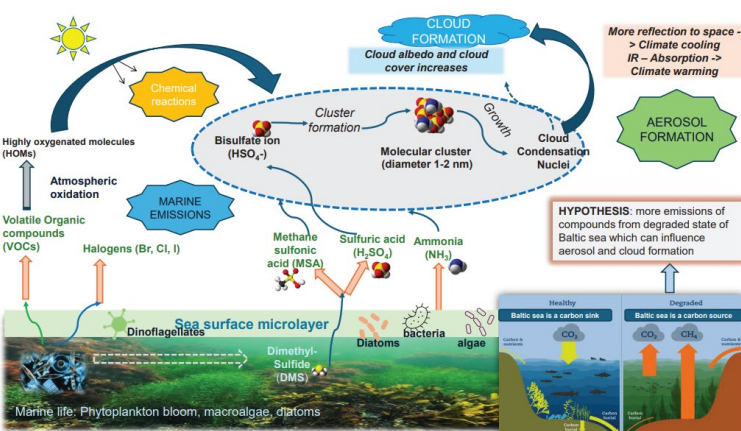
#### Lauri Laakso Finnish Meteorological Institute

Lauri is the Head of Marine Observatories and Measurement Techniques at the Finnish Meteorological Institute. His work focuses on how the sea and atmosphere interact, and how they can be measured and monitored. Lauri's team at FMI operates the ferrybox systems, ARGO floats, underwater gliders, buoys, radars, and coastal stations. Lauri is the main architect of the Utö marine and atmospheric research station.

[Read more HERE](#)



© Katri Kuuppo



Schematics showing the marine emissions, their sources and impact on atmospheric chemistry - concept of coastal SMEAR at Tvärminne (CoastClim)  
Source: Boreal Environment Research 30 (2025)

### Atmospheric observations linked with marine processes and biodiversity research

The CoastClim atmospheric and marine observatory, was established in 2022 at the Tvärminne Zoological Station complements the Utö Atmospheric and Marine research station in linking continuous atmospheric observations with marine processes, as well as the research of biogeochemical cycling and biodiversity. Utö and Tvärminne observatories now form a multi-scale research infrastructure continuum from coastal to the open-sea.

[Publication of the CoastClim is HERE](#)  
[Link to Utö observations is HERE](#)

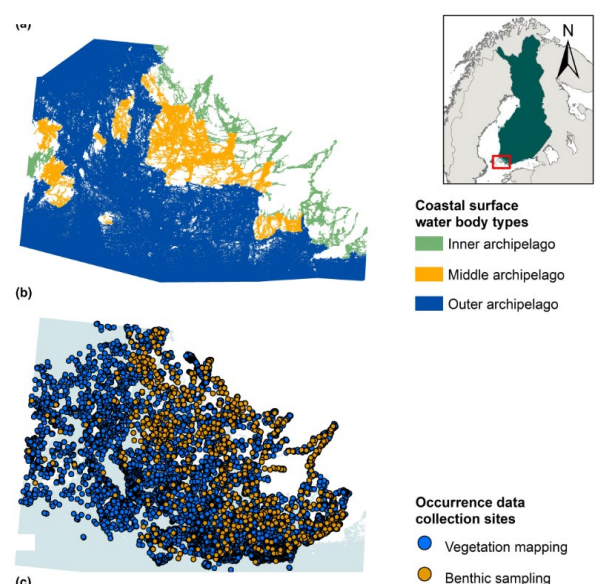
### New publication about Baltic biodiversity and modelling

Estimating responses of marine benthic communities to reduced nutrient loading using process-based and statistical modelling  
by Antti Takolander et al.

Data from Finnish Inventory Programme VELMU and Coastal Nutrient Load Model FICOS were used to estimate how nutrient load reduction affects benthic communities in the Archipelago Sea. The paper links policy targets (good ecological status) and nutrient reduction actions to tangible improvements in biodiversity.

The article is published in Journal of Applied Ecology (2026)

<https://doi.org/10.1111/1365-2664.70385>



Outer, middle and inner archipelago areas (WFD typologies) and occurrence data collection sites.  
Source: Journal of Applied Ecology 63 (2026)

### Recent and upcoming events in 2026

- 27-28.4. Baltic Sea Archipelagos Symposium in Turku. [Link HERE](#)
- 8.6. World Oceans Day Seminar, organized by Suomen Merentutkijat ry. [Link HERE](#)
- 17.6. PhD defence in Åbo Akademi "Arctic Benthic Seascapes: A trait-based perspective on benthic invertebrates around Greenland (Kalaallit Nunaat)" by Phoebe Armitage. [Link HERE](#)
- 27.8. Baltic Sea Day 2026. Events in Helsinki, Turku, Hanko and elsewhere. [Follow HERE](#)
- 24-26.11. Nordic Marine Science Meeting in Stockholm. The call for abstracts is open until 14.8. [Read more HERE](#)