



FINMARI

news flash

September 2025

Upcoming event: Seminar of Particle Dynamics on coastal marine environments

[Register HERE](#), deadline is 30.10.2025.

Particle dynamics in coastal marine environments

GTK Headquarters, Espoo, Finland
Tuesday, 28 October 2025
09:00–16:00
On-site only | Language: English | Free participation

Join us for a full-day seminar exploring the role of particle dynamics and the biological pump in coastal environments. We welcome researchers, students, and professionals from science, government, and industry.

Confirmed invited speakers
Sören Ahmerkamp – Leibniz-Institute for Baltic Sea Research Warnemünde (IOW), Germany
Laurent Amoudry – National Oceanography Centre, UK
Karl Attard – University of Southern Denmark
Michael Fettweis – Institute of Natural Sciences, Belgium
Furu Mienis – NIOZ Royal Netherlands Institute for Sea Research

Registration and abstract submission deadline 30 September 2025
Register here: <https://forms.office.com/e/D0t9pex0PX>
Abstracts (max 200 words) for contributed talks can be submitted through the registration form.

Contact
Joonas Virtasalo (joonas.virtasalo@gtk.fi)
Kristian Spilling (kristian.spilling@syke.fi)



Suomen ympäristökeskus
Finnish Environment Institute



GTK

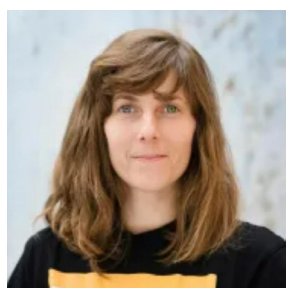


Research Council of Finland

Who's who in FINMARI

Laura Kauppi, Research Coordinator, Tvärminne Zoological Station (TZS), University of Helsinki

Laura coordinates researchers' visits at TZS, although still a part of her time is devoted to science. Her expertise is in benthic ecology, more specifically, biodiversity and ecosystem functioning, and how these are affected by environmental change on different temporal and spatial scales.



Laura is a deputy member of the management group of FINMARI and she represents Finland in the [EMO BON](#) working group in [EMBRIC](#). She manages the station's monitoring programs at TZS and wants to highlight the irreplaceable value of long-term datasets in detecting and understanding the changes we see in nature.

"I am just happy at sea, with my hands in the mud digging for worms."

Archipelago Sea Year 2025

The Archipelago Sea is a unique place on Earth, with its tens of thousands of islands and islets. Year 2025 is dedicated to this [biosphere reserve](#) of UNESCO and several events are organized to discuss and support a sustainable development of the area. Examples of past and upcoming events:

- [Science and culture days](#) 21.-23.8. on the island of Seili had themes from energy and climate change, eutrophication and restoration of the Archipelago Sea to societal questions, and art.
- [Risks and security seminar](#) 29.9. on the island of Seili discusses what the security situation in the Archipelago Sea looks like in 2025? What are the risks that the Archipelago Sea and people in the area may be facing and how can we prepare for these risks?

FINMARI in the Baltic Sea Day, 28th August 2025

The [Baltic Sea Day](#) was celebrated again on the last Thursday of August around Finland. FINMARI partners contributed to the events in Helsinki, Hanko, Turku and Parainen through open doors to research vessels, guided underwater tours, exhibition stands, library events and panel discussions.



Photos from RV Aranda on the Baltic Sea Day.

The Baltic Sea Day is the key occasion in Finland to discuss and raise awareness of topical issues related to the Baltic Sea. Many thanks to the John Nurminen Foundation for overall organization of this wonderful event!

Åboat takes EXO3 for a ride

This summer at Åbo Akademi University's Husö Biological Station offered an unusual sight – two laptops and an antenna set up on the shore, right beside drying wetsuits and tangles of fishing nets. ÅAU's IT team had arrived to test the Åboat, a remotely controlled boat, this time equipped with an EXO3 multiparameter sonde.

The EXO3 has been used before for stationary, long-term logging and, occasionally, from manned boats for spatial surveys.



But this may have been its first cruise aboard an unmanned platform, gliding across the bay while streaming real-time measurements of temperature, salinity, dissolved oxygen, pH, and turbidity together with high precision GPS positions enabled by an RTK-enabled GPS receiver that processes standard signals from Global Navigation Satellite Systems (GNSS) in conjunction with a correction data stream.

This collaboration between the subjects of Environmental and Marine Biology and Software Engineering aims to expand the spatial and temporal coverage of environmental observations and unlock new opportunities to analyze large-scale datasets, from tracking climate change impacts to identifying potential refuges for marine life. The first test was very promising and allowed a glimpse of how future fieldwork might blend classic hands-on methods with advanced autonomous technology.



Giannina Hattich ÅAU

Diving news from Tvärminne Zoological Station TZS

- [An Occupational scientific diver](#) course is currently underway at the at the Finnish Scientific Diving Academy at TZS. If you are interested in future diving courses, please read [HERE](#)



- FINMARI infra is going international again: Edd Stockdale, coordinator of the Finnish Scientific Diving Academy spent August surveying potentially polluting wrecks in the Salomon Islands, the Pacific Ocean.
- Visit Kolaviken snorkel trail: in the centre of Hanko, you can explore the life of the Baltic Sea below the surface. Follow the snorkel trail and discover the shells, fish and plants that live in the sea. Please read more [HERE](#)!



Geochimica et Cosmochimica Acta
Volume 400, 1 July 2025, Pages 227-247

Publication by Joonas Wasiljeff et al. Mineral phases and growth conditions of morphologically diverse shelfal ferromanganese concretions

Ferromanganese concretions in the shelf sea regions, such as the Baltic Sea, are of significant interest due to their geochemical properties, economic resource potential, and roles in benthic ecosystems. This study analyses the authigenic and detrital mineral phases and their provenance in the Baltic Sea concretions, as well as their formation mechanisms and diagenetic evolution.

The article is published in Geochimica et Cosmochimica Acta
<https://doi.org/10.1016/j.gca.2025.05.012>

nature communications



Article

<https://doi.org/10.1038/s41467-025-57254-2>

Publication by Roberto Danovaro et al. Assessing the success of marine ecosystem restoration using meta-analysis

Studies from the Archipelago Sea have contributed to a meta-analysis on 764 active restoration interventions across a wide range of marine habitats worldwide. The analysis shows that marine ecosystem restorations have an average success of ~64%. Marine ecosystem restoration success stories are needed to incentivize society and private enterprises to build capacity and stimulate investments.

The article is published in Nature Communications
<https://doi.org/10.1038/s41467-025-57254-2>

