

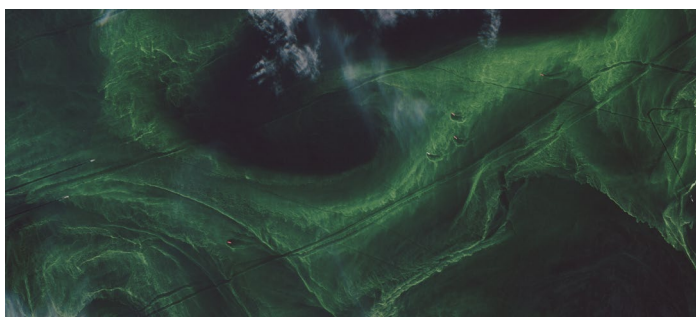
FINMARI

news flash

June 2023

Summer blooms of cyanobacteria: forecast for 2023

The risk of extensive cyanobacteria blooms in Finnish sea areas is forecasted as the nutrient levels in the Baltic Sea continue to favor their appearance. The risk is considerable this summer in the Gulf of Finland, the Bothnian Sea, and in most of the Archipelago Sea. Read more, also about the weekly observations [HERE](#)



Surface blooms of blue green algae in the Gulf of Finland in 2022. Source: [Tarkka](#) service.

Events:

Baltic Sea Science Congress in Helsinki

21-25.8.2023 brings together scientists working on issues related to the Baltic Sea Region. The specific focus is on the UN Decade of Ocean Science for Sustainable Development. Registration is open until 14.7. Read more [HERE](#)

Baltic Sea Day 31.8.2023 around Finland

The traditional Baltic Sea Day, organized by John Nurminen Foundation for celebrating the Baltic Sea in many ways and events is open for all. More information and updaters can be found [HERE](#).

Open doors of RV Aranda in Klaipeda, Liepaja, Helsinki and Tallinn

Aranda is open for visitors on the 31.8. between 12 and 19 o'clock at Pakkahuoneenlaituri, Helsinki. On its [Baltic tour](#) Aranda was open to public in Klaipeda and Liepāja already 14-15.6., and in Tallinn Estonia the research vessel will visit between 1-2. September.

Who's
who in
FINMARI



Laura Tuomi Head of Unit Marine Research Finnish Meteorological Institute

Laura has >20 years' experience in physical oceanography of the Baltic Sea. Her areas of expertise are oceanographic modelling and sea surface layer dynamics. Currently she also leads the Marine Research Unit at FMI. Laura is a member of the FINMARI management group, and she participates in several international networks and working groups related to marine research infrastructures and operational oceanography: e.g., EuroArgo, BOOS, EuroGOOS.

"New automated measurement platforms, such as Argo floats and underwater gliders, provide a vast amount of data that we can use to better understand physical and biogeochemical processes of the Baltic Sea" says Laura.

Link to Laura's scientific publications is [HERE](#)

Observation platforms:

Utö has become a significant site for real-time measurements of marine physics, chemistry and biology



Photo Katri Kuuppo

Utö Atmospheric and Marine Research Station is located on Utö island at the outermost edge of the Archipelago Sea, facing the Baltic proper. Marine measurements date back to 1900, being one of the longest in the whole Baltic Sea. Today, the Utö research station is a modern place for diverse marine real-time observations both above and below the sea surface. Read more in the links [HERE](#) and [HERE](#) and the excellent article written by Lauri Laakso FMI [HERE](#) (in Finnish).

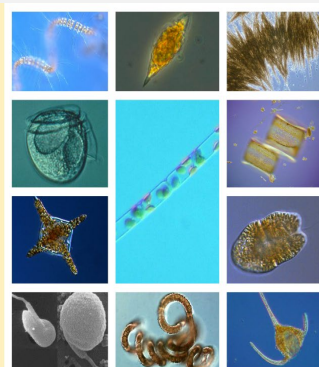
Publication news:

DNA Metabarcoding - Guidelines to monitor phytoplankton diversity and distribution in marine and brackish waters

Jacqueline Jerney¹, Heidi Hällfors¹, Hans Jakobsen², Ivetta Jurgensone³, Bengt Karlson⁴, Anke Kremp⁵, Sirpa Lehtinen¹, Markus Majaneva⁶, Kristian Meissner¹, Veera Norros¹, Sirje Sildever⁷, Sanna Suikkanen¹, Karolin Teeveer⁸

1. Finnish Environment Institute (Syke), Finland
2. Danish Centre for Environment and Energy, Aarhus University (AU), Denmark
3. Latvian Institute of Aquatic Ecology (LHEI), Latvia
4. Swedish Meteorological and Hydrological Institute (SMHI), Sweden
5. Leibniz Institute for Baltic Sea Research Warnemünde (IOW), Germany
6. Norwegian Institute for Nature Research (NINA), Norway
7. Tallinn University of Technology (TalTech), Estonia
8. University of Tartu (UT), Estonia

Photographies in the collage by Seija Hällfors, Sirpa Lehtinen, Bengt Karlson and Ann-Turi Skjævik. The photographs have different scales.



A new report presents guidelines for DNA-based identification of prokaryotic and eukaryotic phytoplankton, designed to support existing joint monitoring and environmental protection frameworks such as The Baltic Marine Environment Protection Commission (HELCOM) and The Convention for the Protection of the Marine Environment of the North-East Atlantic (OSPAR). Link to the publication is [HERE](#)

Research Council of Finland has decided to fund science done at the FINMARI research infrastructures

Professor **Veijo Jormalainen**, University of Turku: Research [project](#) "Ecology and evolutionary biology of invasions: from adaptive responses to ecosystem function".

Dr **Kristian Spilling**, Finnish Environment Institute and Dr **Karoliina Koho**, Geological Survey of Finland: Research [project](#) PHYTOTRANS - The impacts of phytoplankton community composition and particle transport pathways on the biological carbon pump in coastal seas under the changing climate.

Dr **Eeva Eronen-Rasimus**, Finnish Environment Institute: [Academy Research Fellowship](#): Winter time greenhouse gas dynamics in the coastal polar seas – microbial pathways and processes in sea ice methane and nitrous oxide cycling (WICE).

Dr. **Dana Hellemann**, Finnish Environment Institute: [Postdoctoral Researcher](#) position "Benthic nitrous oxide (N2O) cycling in a changing coastal sea (BENNO)"

CONGRATULATIONS!