



**Coast
Clim** Coastal Ecosystem
and Climate Research



CoastClim is up and running!

CoastClim is up and running! Our aim is to connect coastal biodiversity to the atmosphere and explore the potential of coastal ecosystems as natural solutions to mitigate climate change. Our multidisciplinary team of marine ecologists, biogeochemists and atmospheric scientists work together to measure the feedbacks between the sea and the atmosphere.

The first seasonal field campaigns have already taken place with SCUBA divers working in close to freezing waters and now the newest atmospheric equipment is installed and up and running on the hub of our field site, Mammarella Island. Through these measurements, we can explore how underwater biodiversity and the links to different parts of carbon cycling change over the seasons.



We finally got to meet each other in late April when we had our first face-to-face kick-off meeting at Tvärminne Zoological Station.

Also, our website has been launched; go and have a look at www.coastclim.org.



During the 60-year celebration of Askö Laboratory 13/6, the rectors of University of Helsinki and Stockholm University signed an official agreement of a continued and stronger research collaboration between the two universities including CoastClim. Among the invited guests celebrating the anniversary were Victoria, Crown Princess of Sweden and representatives of major Finnish and Swedish foundations that support Baltic Sea research.



Short news at a glance

- Seminar “Östersjön i ett förändrat klimat”, 21/4 2022, Kolskjulet, Stockholm, about the Baltic Sea in a changing climate - can be read online (in Swedish only) or watched on Youtube.
- Passion for the Baltic, photo exhibition open at the Finnish Museum of Natural History, Helsinki, 19/5 – 30/10
- New CoastClim article published: Roth et al. (2022) High spatiotemporal variability of methane concentration challenges estimates of emissions across vegetated coastal ecosystems. Global Change Biology. Read an interview with Florian Roth!
- First CoastClim article at the interface of marine biology and atmospheric science published: Thakur et al. (2022) An evaluation of new particle

formation events in Helsinki during a Baltic Sea cyanobacterial summer bloom. Atmospheric Chemistry and Physics

- The 60-year celebration of Askö laboratory 13/6 2022.



Who are we?

Meet a CoastClim researcher:

Who are you?

My name is Camilla Gustafsson and I am a researcher and coordinator of CoastClim. My research interests lie in marine biodiversity and ecosystem functioning and I am particularly enthusiastic about underwater plant meadows consisting of seagrasses and other aquatic plants.

What are you doing in Coastclim and why?

I am excited to explore how the diversity of submerged plant meadows contribute to primary production and carbon dynamics in coastal environments across different seasons and areas. This research will increase our understanding of the important role that these underwater meadows play for ecosystem health and climate change mitigation.

My recommendation to you...

If you get a chance to dip your head underwater this summer, borrow a snorkeling mask or a pair of swimming goggles and enjoy the vivid life beneath. A website that I like describes a group of interdisciplinary researchers ([the Blue Carbon Lab](#)) working on blue carbon (carbon stored in oceans and coastal environments) in Australia.

[Meet the team](#) working in CoastClim!

CALENDAR:

19/5 – 30/10 Passion for the Baltic- 120 years of research at Tvärminne Zoological Station – Photo exhibition at [the Finnish Museum of Natural History](#).

5/7 Professors Alf Norkko and Christoph Humborg participate at [Almedalsveckan](#). See their program on [5th of July](#) and [6th of July](#). (in Swedish)

18-25/8 R/V Electra af Askö (from Stockholm University) visits Tvärminne for a joint expedition to continue measurements of greenhouse gases and seafloor scanning

25/8 [Baltic Sea Day](#) (Itämeripäivä, Östersjödagen)

3/9 Open house at Tvärminne Zoological Station

Available positions

Two positions open. For more details about the positions, please contact tom.jilbert@helsinki.fi

Postdoctoral researcher in sediment biogeochemistry

A position is available for a postdoctoral researcher in sediment biogeochemistry at University of Helsinki. The ideal candidate has experience working with organic geochemistry, including practical skills in the analysis of biomarker proxies in marine sediments. The position is based at Faculty of Science in Helsinki, with strong links to Tvärminne Zoological Station, Stockholm University and University of Edinburgh. The postdoc will collaborate with partners in CoastClim and play a key role in the supervision of the PhD researcher in sediment biogeochemistry. Initial duration 2 years.

PhD researcher in sediment biogeochemistry

A position is available for a PhD researcher in sediment biogeochemistry at University of Helsinki. The ideal candidate has a second-cycle degree (MSc or equivalent) in geosciences, environmental sciences, marine sciences or related disciplines. The position is based at Faculty of Science in Helsinki and Tvärminne Zoological Station. The PhD will carry out an independent research project in sediment biogeochemistry with close links to other projects in the collegium of CoastClim. Duration 4 years.



Spread the word!

Do you need information about CoastClim? We have flyers available in three languages: English, Swedish and Finnish. Get in contact with us at coastclim@helsinki.fi



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