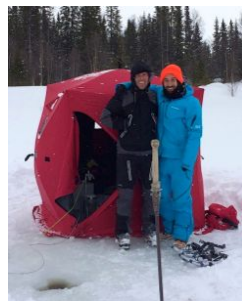


Sampling campaigns:

Lucas, Alex, Moritz, Sari, Martha and Pilar Hernández had a very successful sampling trip to Jämtland in March. This fieldwork was organized to collect data for Lucas's ICE project investigating genetic traits that allow aquatic microbes to cope with under-ice conditions. Finding 6 anoxic lakes for sampling turned out to be quite a challenge, but Lucas's team did it! Now it's time for DNA extraction, sequencing and further bioinformatics analysis. Good luck in the lab guys!



First steps: testing the equipment



Picture time after drilling the ice

At Lake Erken the winter sampling season was short this year since ice broke very early. Nevertheless, limited snow provided a unique opportunity to observe and study methane bubbles under the ice. **Monica** and **Blaize** took advantage of this and were able to track methane accumulation.



Recently published papers

Gunnel Ahlgren co-authored a paper "Bioaccumulation of microcystins in the food web: a field study of four Swedish lakes" (Inland Waters, 2014). Gunnel retired from our department several years ago but she is still working on interesting papers.

A new paper appeared in Nature with **Cristian Gudasz** in the author list! The paper is titled "Methane fluxes show consistent temperature dependence across microbial to ecosystem scales". An interesting commentary on it, "Methane minimalism", is in the associated links. You can read more here: <http://bit.ly/1igKSW5>

People

Lars will be in the USA (Princeton) from 29 March to 6 April, on a "nano-sabbatical", and to discuss research with Cristian, Francois, and Lars Hedin.

Lars, Sebastian and Gesa are involved in a EU application on lateral carbon fluxes to improve the global carbon model presently used for making political decisions.

Gesa talked about new types of student examinations at the pedagogical conference at Uppsala University.

Alex gave an excellent presentation at the Ocean Sciences Meeting in Hawaii attracting interest in his and Stefan's work and establishing new collaborations. See the abstract here: <http://bit.ly/1dMVNdi>

Rhiannon won the award for best scientific presentation at the EBC Graduate School Retreat. Congratulations, Rhiannon!

Anne is visiting Dr. Thorsten Dittmar's research lab for Marine Geochemistry in Oldenburg, Germany. This lab is famous for its ultrahigh resolution FT-ICR mass spectrometer. Anne is measuring black carbon to determine the drivers of combustion-derived polycyclic aromatics in freshwater systems.

Alina will also visit Oldenburg's lab in April to process samples from her experiment and take a closer look at changes in molecular structure of decomposing lake DOC.

Anastasija got a PhD position within Sebastian's ECR project focusing on organic matter sources and reactivity in sediments of tropical hydroelectric reservoirs. She will apply a combination of field observations, lab experiments and analyses of lipid biomarkers and stable isotopes. Congratulations, Anastasija!

Past Events

EDLA proved to be a success this year, with great food and entertaining activities.

It was a good opportunity for all of us to participate in the department's life and for new people to learn about the Golden Cod award!

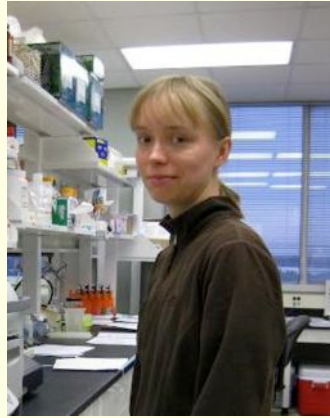


Välkommen!

People joining Alex Eiler's group:



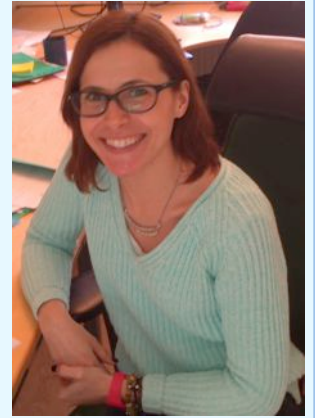
Sarahi Garcia will start as a PostDoc on the 12th of May working on the ecological role of abundant Actinobacteria in lakes, their evolution and population genetics.



Heli Juottonen is a PostDoc starting in the beginning of May. Heli will work on the microbial ecology of methane cycling in wetlands and boreal lakes.



Fazil Hussain will be a trainee in the lab and later will start a master's thesis project on the development and application of bioinformatic pipelines for metagenomic analysis.



Pilar Hernández started as a lab assistant and will process most of the group's samples for prokaryotic and eukaryotic diversity analysis.

More new people:



Johanna Sjöstedt will join us as a PostDoc, starting from April 15. Johanna is going to investigate how disturbances affect bacterial community composition, diversity and functionality. Additionally, she will look into the importance of composition and diversity for resistance and resilience of bacterial communities exposed to disturbances. Johanna will work together with Eva, Silke and Emma Kritzberg from Lund University.



Marloes Groeneveld is a master's student in Limnology. She will now start a research training project in limnology and carbon biogeochemistry, and explore traditional bench top and optical sensor techniques to assess changes to the quality of surface waters used as a source of drinking water.



Oskar Agstam is another master's student in Limnology. During 2014 he will be doing research training followed by master's thesis, supervised by Sebastian's research team. Presently, Oscar is training on a variety of laboratory techniques including the methods of sediment analysis.