



Limnologen Aktuell Jan/Feb

LIMNO RETREAT

January 16 & 17th was the limno retreat to Sättra Brunn. We opened the retreat with a next generation poster session (pictured) in which posters were produced on the spot to explain our current research to colleagues. In addition to posters, we had a chance to discuss strengths and weaknesses within the department, see how limnology performs compared to other UU departments and make important predictions for next year (how many limno babies will be born?!). All of this was complemented by a historical tour of the grounds, good food, and some spa time to relax and chat with colleagues.



NEW FACE

Camilla Frösegård is a new MSc student who will do a thesis project focusing on alternative methods for removing biologically labile organic carbon from drinking water. She will work with FACS-based bioassays and optode-based respiration measurements and apply this to different water treatment plants in Stockholm.



GENOMICS WORKSHOP

From January 9th to 21st the Workshop on Genomics 2017 took place in Český Krumlov (Czech Republic). Amongst 81 participants, **Xavi** attended the course to learn a handful of methods and convenient tricks to handle and analyse data from high-throughput sequencing techniques. Hopefully these techniques will prove useful to him in the future.



SITES TagTags Workshop

During December, 7-8th **Kristiina**, **William** and **Maja** attended the SITES TagTags Workshop at Arlanda. One of the SITES cross-station activities to adapt protocols and the app to different field stations. TagTags is an app used for collecting field sampling data using android devices. The idea with this app (and the accompanying applications) is "to minimize manual handling of data and streamline the process of getting data from the field to a larger database." You can read more about this app at: <https://www.slu.se/en/departments/field-based-forest-research/experimental-forests/vindelns-experimental-forests/tagtags/>



Visit to Skogaryd

On January 25 and 26 **Pablo** and **Silke** visited the SITES station in Skogaryd (pictured above) to look at the experimental platform in Erssjön and discuss the SITES AquaNET mesocosm experiment with the station staff.



SO MANY GRANTS

FORMAS GRANT

Anna Sz was awarded funding for a three year project studying the effect of phages as top-down and bottom-up regulators of freshwater ecosystems. The project will analyse how the selective nature of viral lyses modify microbial diversity and functioning (top-down effect) and how the cell material resuspended through the viral shunt affects the organic matter and nutrient budget of freshwater ecosystems (bottom-up effect). The project will involve both lab scale experiments and analyses connected to the ongoing mesocosms projects. The project will allow us to have an empirical estimate of the role of phages in freshwater ecosystems, which will complement our general understanding of their biogeochemical cycles and multitrophic interdependencies.

OLSON BORGH GRANT

Andrea Bravo received an Olson Borgh grant to disentangle the effect of different organic matter sources on Hg methylation.

VR GRANT

Dolly Kothawala will be joining the limnology department in January 2017 to primarily work on two new projects. One study takes aim at resolving why diverging paradigms are emerging regarding the dominant factors controlling organic matter degradation across freshwater, soil and marine ecosystems. A second focuses on how extreme climate events influence organic matter cycling in boreal headwater catchments. She is keen to meet everyone in the limnology group and gives a big thanks to all for the warm welcome.



Pictured Above: Sarek National Park, Northern Sweden

LIMNO CALENDAR

Did you know we have a google calendar listing all our limno events? If you want to add it to your existing calendar you can do so using this link <https://calendar.google.com/calendar/ical/k5qs5uk145fiad8jl23gq21h8k%40group.calendar.google.com/public/basic.ics>

HIGH SCHOOL VISIT

On Dec 2nd, **Katrin, Sarahi, Raven,** and **Matilda** hosted ~40, 2nd and 3rd year students from a local high school. They gave a tour of the limno labs as well as an overview of ongoing research at the limnology department. The 3rd year students in particular were very enthusiastic and asked lots of great questions.



MANATEE SPRINGS

Anna Sz spent January in St Petersburg, Florida at her former lab with **Mya Breitbart**. Besides finishing some old projects, she helped start a new NSF funded project that will study the viral and microbial communities of Floridian freshwater springs. The first sampling was at Manatee Springs, where they met actual manatees (pictured left).



Pictured Above: Manatee Springs spring head with PhD students **Kema Malki** and **Katie Bruder** sampling in the only vessel allowed in there.