

### Limno "kick-off" day

On Friday, 26 of September Limno "kick-off" brought all the divisions of our department together, thanks to collective efforts of Andrea-and-Co. It was a great opportunity for all of us to share important information with new people and to hear about ongoing research at Uppsala's Limnology department, Erken laboratory and Campus Gotland. Scientific presentations and group discussions were followed by a crayfish dinner and an impeccably-themed Limno party.



An entertainingly educational quiz run by Moritz during the dinner demonstrated that not only most of us know how many lakes there are on Earth, but we are also well aware of the lakes far away from our planet. Additionally, the quiz showed that the majority of Limnos didn't know the song "I'm on a boat". Yet Karolina and Simone knew how to rock the boat with the Limnologically-inspired cocktail bar while DJ Sobek provided some good boat-rocking music.

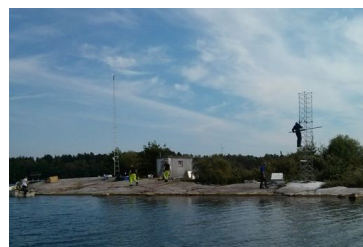
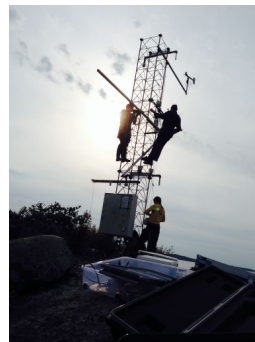


For the video of the month ask around those who recorded a team-building activity: our seniors, blindfolded, and attempting to make a perfect square with a rope. The activity once again demonstrated how fast problems are solved at Limno when Janne takes charge.



### News from Erken

On September 8th an Eddy Covariance tower was successfully installed on the Malma Islet in Lake Erken. The work was carried out by Erik Sahlée from the Geocentrum and professionals from the In-Situ Inc., with support from Erken's staff. The tower was moved from another field station within the infrastructure SITES, Skogaryd, to perform long-term measurements of greenhouse gases and heat fluxes in combination with chamber measurements. **Jovana** is studying the O<sub>2</sub> and CO<sub>2</sub> exchange from the sediments with an underwater EC at the same site. A starting point for developed automatic monitoring is making Erken and SITES a world-leading infrastructure for measuring inland water greenhouse gas fluxes.



Erken's profiling buoy is in full run as well and gives high frequency data on phytoplankton, cyanobacteria and oxygen concentrations.



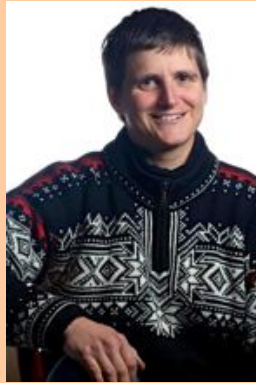
**Silke** starts her new position on October 1st and will from now on work 3 days a week in Uppsala and 2 days out at Erken.



**Leyden and Sari** visited Lammi biological station (University of Helsinki, Finland) for a field experiment. As a part of Leyden's PhD project, the experiment tested nitrogen fixation activity and potential in stratified humic lakes.

### Visiting researchers

Dr. **Ulrike Obertegger** from FEM Research and Innovation Centre, Italy, will visit Alex's group, 27-31 of October. Ulrike is funded by a COST action and will get training in NGS-based analyses of phytoplankton diversity.



### Conferences and Workshops

**Gesa, Marcus, Blaize** and **Jovana** participated in the workshop on *Advancing the science of gas exchange between fresh waters and the atmosphere*, held at Hyytiälä Forestry Field Station, Finland, on September 16-19.



**Alex** will be giving an invited talk at the CeMEB (Centre for Marine Evolutionary Biology) 12th assembly at Tjärnö about "The marine - freshwater transition in streamlined bacteria".

Jovana and Blaize, with colleagues from Geocentrum, Eva (right) and Audrey (center)

### Limno Teaching

This year's Limnology course (10 weeks, 15hp) has started in September with 19 students - a diverse group of 3rd year BSc students, 1st year MSc students, and exchange students from other universities worldwide.

Six students have started the Limnology Master Programme and will be around at the department during the coming two years for research training, thesis projects etc.



A group of Limnology students after hard fieldwork in the reed belt of Lake Strandsjön

Other courses that Limno teachers have started in September:

- Aquatic Ecosystems and Ecosystem Services 5hp: 16 engineering students on their 5th year (Environment and Water Management Programme)
- Water Conservation 10hp: distance/internet course, basic level, with 29 students
- The Baltic Sea Environment 10hp: distance/internet course, basic level, with 29 students

### People starting new projects at Limno

**Sophia Renes** and **Philipp Siegel** started their Master thesis projects in September with Silke as a supervisor at Uppsala University. They look at resilience in microbial communities in collaboration with Johanna Sjöstedt and Ingo Fetzer from Stockholm Resilience Centre.



**Annika Linkhorst** started her PhD on September 15. She is joining Sebastian's ERC-granted project on methane ebullition from hydroelectric reservoirs in Brazil. She will focus on the hydroacoustic detection of methane bubbles in the water column, and will investigate how their spatial distribution is affected by the processes in the sediments.

