



# Limnologen Aktuell June

## THESIS NAILING

On 24th of May **Theresa** nailed her thesis with the title "It's complicated: The role of timing in microbial community coalescence". The nailing was followed by fika outside in the sun. The defense will take place on the 14th of June.



## MESOCOSM EXPERIMENT

On 2nd of May the mesocosm experiment was started at lake Erken. The experiment studies functional and compositional consequences of different run-off regimes on plankton communities and is carried out during the spring in lake Erken, Bolmen and Skogaryd. The experiment was already carried out in lake Erken and Bolmen during the summer season last year.



## CONGRATULATIONS

On 2nd of May **Ana** defended her thesis "Modelling impact climate-related change on the thermal response of lakes". Now she is continuing in limno as PostDoc and is working with Sebastian on development of a process-based model on carbon burial in lakes and reservoirs to quantify global and spatial-resolved projected future anthropogenic perturbation of POC burial in sediments under different climate change scenarios using ISIMIP cross sectorial data. Before coming to Uppsala Ana did a Bachelor in Civil Engineering and a Master in Water Quality Science and Technology: Computational Techniques Applied to Water Quality at University of Granada. Outside of university, she likes to go hiking and cycling and playing board games.



**Leaving Limno?** Don't forget to fill out the 'checking out' document with your PIs if you're leaving the department this month.



## ZOOM A PHD STUDENT

In the spring, **Theresa** participated in “Zoom a PhD student” and found the experience to be very rewarding. Much like “Skype a Scientist”, “Zoom a PhD student” is a tool for doctoral students to engage with Swedish high school students about their specific research topic. The Zoom meetings can be held in Swedish and English and it is a great way to talk about your topic to a very interested audience. More information can be found in Karla’s interview last year: <https://mp.uu.se/web/nyheter/-/modell-for-samverkan-med-skolan>. Theresa would, therefore, like to strongly encourage other PhDs to invest the time: it’s really fun!



## PUBLICATION ALERT

**Inma** (visiting limno last year), **Jorrit**, and **Don** recently published a new paper describing a coupled catchment-lake model setup for Lake Erken in *Science of the Total Environment*. Using this setup, they ran climate scenarios until the end of the century, simulating for example lake thermal conditions and nutrient and chlorophyll concentrations. Such a coupled framework is a powerful tool for linking changes in a catchment to effects in a lake. The next step is to apply a similar framework to the Spanish Mar Menor lagoon, the main study site of the *Smartlagoon* project that funded this research. doi: 10.1016/j.scitotenv.2023.163946

## SMARTLAGOON

Some weeks ago, **Don**, **William**, and **Jorrit** were in Murcia, Spain for a project meeting of the SMARTLAGOON project. One of the things that happened was the official release of a promotional video, which shows the installation of a monitoring buoy on the Mar Menor lagoon. In the video, with motivational music and all, you can see **Don** and **William** work on the buoy and talk about the design plan and the potential use of the data that will be collected: <https://www.youtube.com/watch?v=161j6lk46pk>. They, also, upgraded and repaired their buoy since they have noticed

deteriorating data and extreme biofouling since they deployed it in last September. The solution was to cover everything in copper and hope for the best.



## WE'RE OUT OF HERE!

A big thank you to all of you wonderful people at Limno who welcomed us and made this department feel like a second home for the past year! We are happy to announce that we’re done with our master’s projects but unfortunately this means that we must leave. This doesn’t mean that this is the last you’ll hear from us! We will remember each one of you wherever we go and this time will always have a special place in our hearts <3 Have nice summer! **Evelina, Isak, Gabs** and **Charlotta**

