



# Limnologen Aktuell December

## NEW PROJECT

**Sebastian** and **Don** got a new VR project granted! The idea is to develop a model for carbon burial in lake sediments, and to apply that model to all lakes globally using the ISIMIP framework ([www.isimip.org](http://www.isimip.org)). The project will allow to hire a post-doc for 2 years, with start in the first half of 2022.

## EUTROPHICATION

On November 17th **Eva** has been to an inspiration day for local water planning and gave a talk about how riding clubs can work against eutrophication. It was because the riding club where she is a member (Lurbo ridklubb) has had a project to work against eutrophication, and she was invited to talk about that.

## SAMPLING WITH...THE SEVENTH SEAL

On October 11<sup>th</sup> **Konstantinos** and **Pavel** collected soil and peat samples around Uppsala for the experiment on the respiratory quotient variability across the land-to-ocean continuum. The forest site was close to Fiby Urskog, the agricultural field was near to the Royal Mounds of Gamla Uppsala and the fen was only 5 km away from Gamla Uppsala as well. **Lars** found many similarities with the death and the knight from Bergman's movie, but we still don't know who is who...



## CONFERENCE

From the 23rd-24th of November **Anna** had the pleasure to actively attend the LIFE CONNECTS conference that took place in Lund, where she presented her project on 'Using plants to stabilize leakage of environmentally problematic substances from sediment at dam removal along the Rönne river'. The LIFE CONNECTS project aims to improve ecosystem functions and ecosystem services in seven southern Swedish rivers, including Rönne å, by removing human barriers to river network connectivity. This gave her the opportunity to be part of this event, enjoying a very stimulating community of people with different scientific backgrounds and learning very interesting things like that mussels can live up to 300 years! But, particularly, she really enjoyed eating in the elegant restaurant of the hotel hosting the conference (thanks LIFE CONNECTS!).



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



## SYMPOSIUM

**Liam** attended Eco-DAS XIV via zoom in late October (which is normally held in Hawaii). Eco-DAS is a symposium for people who have recently finished their PhD and standards for Ecological Dissertations in Aquatic Sciences. It is run by Paul Kemp and funded by ASLO. The aim is to bring recently graduated PhDs who's work focused on aquatic science from as wide a variety of backgrounds as possible (marine, freshwater, biogeochemistry, microbial, applied science, ecology, zoology, etc.). Everyone presented a project idea to the group at the start of the week and then spend the rest of the week discussing ideas and developing projects together. **Liam** highly recommends the symposium, because it is a fantastic opportunity to meet people from adjacent disciplines that he would likely never cross over with and is now involved with three projects and leading one of them.



## MASTER'S PROJECT



**Jonas Emanuelsson** is in his last year of the master's program Ecosystems and Aquatic Ecology. Together with **Sebastian Sobek**, Olle Calles (Karlstad University) and Karl Gullberg (County Administrative Board of Gävleborg) he is doing his master's thesis on the effects of river restoration on interstitial water conditions that are critical for the development and survival of embryos and alevins of salmon (*Salmo salar*). The project is done in cooperation with the County Administrative Board of Gävleborg who are attempting to re-introduce salmon to the Gysinge rapids of River

Dalälven, upstream of three different hydropower plants. Sampling of hyporheic water will begin in February when salmon eggs are stocked to the river, i.e. when it's cold as hell and conditions for field work couldn't be worse.

Fun fact: Even though **Jonas** spend a lot of his spare time fly fishing, he has never caught a salmon.