



Limnologen Aktuell December

NEWS FROM GOTLAND



The Ar research station has had a long-term (mid-September to mid-November) guest, **Anton Larsson** a master-student from SLU. Anton has sampled cormorant-pellets from several locations on Gotland and analysed the species composition in the diet by counting otoliths. The number of breeding cormorants at Gotland increased from just a few in the early 1990s to ca 9000 pairs nowadays and the question is to what extent they may influence the fish community and potentially affect the small-scale gotlandic fishery.



Above: (one pellet) included 143 otoliths; from cod, flounder, herring and gobies, and potentially the invasive round goby.

INTERNATIONAL TALKS

Andrea Bravo gave a talk "Organic matter composition controls mercury methylation in boreal lakes" at the the Swiss Geoscience Meeting in Geneva, Switzerland (<https://geoscience-meeting.ch/sgm2016/>) on November 19th.

On November 21st **Andrea** also gave an invited seminar "Using high throughput sequencing technology for deciphering mercury methylating microbial communities in the environment" at the Department F.-A. Forel for environmental and aquatic sciences, Geneva, Switzerland (<http://www.unige.ch/forel/en/evenement/seminaires/>).

VR RESEARCH GRANT

Gesa was awarded funding for a four year project dealing with: integrating differences in the functioning of lakes in the global carbon cycle for improved estimates of the terrestrial carbon sink. This project will examine the spatial and temporal variation in the functioning of lakes in the global and regional carbon cycles, specifically focusing on where and when lakes act as active carbon transformers vs. passive open channels. With this kind of information we will receive more precise estimates of the terrestrial carbon sink on which political decisions and carbon management strategies are based.



SINGEK

The Marie Skłodowska-Curie Innovation Training Network "SINGEK" has started! **Stefan Bertilsson** and **Xavi Florenza** attended the opening meeting in Barcelona Nov 6-9 to make plans for the next 3 years where a cohort of 15 PhD students from all over Europe (and their advisors) will use single cell techniques to study the ecology and evolution of unicellular eukaryotes. For more information see: <http://>



RECENT ACHIEVEMENT

Gesa has been elected as a member of the Royal Swedish Academy of Sciences within the Geoscience class. Thus, the limnology department now hosts two members of the academy, one in the geosciences (Gesa) and one in the biosciences class (Lars). This strong representation is unusual for a unit of our size. Being elected as a member of the Academy constitutes exclusive recognition of successful achievements. These could be prominent research in mathematics, natural science, engineering, social science or humanities, but also outstanding services to science.

SAMPLING CAMPAIGN

Last week, **Máté** and **Theresa** went out to sample some rock pools on Gräsö for their experiment. They want to look at the shifting microbial community composition in differently treated sediment samples. The plan is to do this in increasing time intervals over the course of approximately 1 year.



JOVANA'S PHD DEFENCE

On Friday Jan 20th at 9:15 in Ekmansalen **Jovana Kokic** will defend her thesis titled "Gas Exchange over Aquatic Interfaces and its Importance for Greenhouse Gas Emission". The "spikning" will occur during fika a few days before Christmas holidays and be accompanied by some julgodis.