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Upcoming disputations

Stefan Olin 8th of May

Ecosystems in the Anthropocene: the role of cropland management for carbon and nitrogen cycle processes

Claire McKay 5th of June

Benthic environmental responses to climatic changes during the late Quaternary: a micropalaeontological and geochemical approach

Upcoming LUCCI Lunch Seminars:

Next seminar is hosted by WP 1 on 17th of April, Håkan Wallander will give the talk "How soil is formed". It is followed by WP 5 on 22nd of May.

THE ANNUAL REPORT

The last date for contributions to the annual report is 15th of April. If you need more time or have questions, or ideas of what to add to the annual report beyond the general WP reports and papers, please contact Susanna.

The formation of a lake

Carl Alwmark at the Department of Geology, LU, is lead author in a new study confirming the impact crater hypothesis, published in journal *Geology* in February.

The origin of lake Hummeln in Småland, southern Sweden has for a long time been a topic of discussion, but now the arguing has come to an end. Hummeln is an impact crater. It has been a dispute since the 1820s, first believed to be an extinct volcano, but identified as a possible impact crater in the 1960s.

Abstract and article are available in journal *Geology*
Article at livescience.com

R3i organised After Work for all LUCCI members

To enhance the networking within LUCCI and between R3i and the more established researchers within the centre, Ylva and Niklas invited everybody to After Work on the 10th of April. A nice bunch of people showed up, and we hope for even better participation next time.

Water usage in plants

Maj-Lena Linderson is co-author in a recent publication in *Nature Climate Change*. The study calculated how much additional water is required for plants to enable them to take up another gram of carbon for their growth, and gives us information about how plants have adapted to the environment they grow in. If we know more about plant life today, we can better understand the relationship between the environment, climate and plants in the future.

ClimBEco 2015-2017 programme

The ClimBEco Graduate Research School is open for applications for the next programme 2015-2017.

Apply before 14th of April.

www.cec.lu.se/climbeco-graduate-research-school

Wenxin Zhang held his disputation on the 6th of February.

Vaughn Phillips had his docent lecture entitled "The Physics of Lightning" on the 19th February

Raimund Muscheler was on the 13th of March installed Professor of Quaternary Sciences

Congratulations to successful performances!

Håkan Wallander in climate magazine Effekt

Håkan Wallander is interviewed in the issue themed on catching carbon (1/2015). In the article "Can the carbon farmers solve the climate crisis?", Håkan shares his expertise on how to hold more carbon in the soil in farmlands.

-In the intensive agricultural management with fertilizers and where the ground is stirred, fungal communities are very much discouraged. However, if we can develop systems with less stirring - where there is perennial crops and we are trying to plow less - then fungal communities are more benefited: we get better humus content in the soil and the fungi are better able to retain carbon in the soil, he explains to Effekt.

LUCCI

Lund University Centre for Studies of
Carbon Cycle and Climate Interactions

www.lucci.lu.se



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Have you got news for the LUCCI web site, the newsletter or other outreach?
Please contact susanna.olsson@nateko.lu.se