



## ICOS SWEDEN ANNUAL WORKSHOP UMEÅ/VINDELN 2-3 SEPTEMBER 2014

### Interactions between carbon and water cycles in boreal, arctic and sub-arctic ecosystems



ICOS Sweden is an infrastructure for research on greenhouse gases in northerly ecosystems. The 2014 workshop focuses on how the carbon and water cycle interacts in these ecosystems.

The carbon and water cycle is strongly interlinked as water is the essential medium in which biochemical processes take place. Water is also the medium that transports the raw material within the system and makes them available for chemical reactions. Water availability thereby influences the ecosystem carbon uptake and emissions and thus the global climate. The relationships are however complex and the understanding of the processes are essential for assessing the role of the ecosystems in the global carbon balance.

## Preliminary program:

### Tuesday 2/9 (start at 9h)

Presentation of the ICOS Research Infrastructure, of ICOS Sweden and the stations

User group discussions

Visits to the ICOS Sweden measurement stations Svartberget and Degerö in Vindeln

Hosted dinner in Umeå

### Wednesday 3/9 (9h-17h)

Scientific oral and poster presentations

Keynote presentation: Denis Loustau, INRA – French National Inst. of Agronomic Research.

## Venue:

The P-O Bäckström hall at Umeå campus of SLU, Swedish University of Agricultural Sciences and Vindeln for station visits.

## Registration:

<http://simpleeventsignup.com/event/43339-icos-sweden-annual-workshop-2014>

*Deadline for registration is **1 July 2014**. For oral and/or poster presentations, please send an abstract of max half a page by latest **1 July** to Maj-Lena.Linderson@nateko.lu.se.*

If you have questions please contact Maj-Lena Linderson at the same mail address as above.

**ICOS RI** — Integrated Carbon Observation System Research Infrastructure — is a European research infrastructure to quantify and understand the greenhouse gas balance of the European continent and of adjacent regions. ICOS is a collaboration between 17 European countries and provides long-term observations (20+ years).

**ICOS Sweden** is the Swedish contribution to this European effort and is a cooperation of Lund University (host), University of Gothenburg, Swedish University of Agricultural Sciences, Stockholm University, Uppsala University, and Swedish Polar Research Secretariat. The measurement sites are located at seven different sites, from north to south: Abisko-Stordalen (subarctic mire), Degerö (boreal mire), Svartberget (boreal pine and spruce forest), Norunda (boreal pine and spruce forest), Östergarnsholm (marine station), Lanna (agricultural land) and Hyltemossa (spruce forest).

Webpage: <http://www.icos-sweden.se/>



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