

SVALI phd course/workshop at Center for Ice and Climate, University of Copenhagen:

Applications of radar data from ice sheets to understand ice flow processes

Dates: **12-16 March 2012 (week 11).**

Location: Center for Ice and Climate (CIC), Niels Bohr Institute, University of Copenhagen, Denmark.

Overview:

The aim of this course/workshop is to discuss radar data and how they can be interpreted to inform about ice processes. Radio-echo sounding (RES) of ice sheets provides information on ice thickness, stratigraphy, and bedrock conditions. Radar data are also used to characterize the physical properties of the ice, and InSAR techniques are used to generate surface velocity maps.

Themes to be discussed: understanding the nature and limitations of radar data, the physical properties causing radar reflections, snow radar, applications of radar data to reveal ice flow processes, such as folding, basal melting and refreezing, incorporation of basal material, and inferring the ice thickness and accumulation rate history from radar data.

Participants: Phd students, postdocs, other scientists interested in radar data and interpretations.

Credit: 2.5 ECTS (attending), additional 2.5 ECTS if there is a presentation during the course.

Format: Overview lectures, lectures, moderated discussions, presentations by the participants, poster session.

All participants are invited to present their current work and results, and to suggest topics for discussion sessions.

Excursions: CIC ice core laboratory and ice core collections.

Niels Bohr Institute and Archives (depending on the interest).

Registration: Send email to: ch@gfy.ku.dk with your name and contact details.

Please indicate whether you are planning to present your work (oral or poster), and the title of your presentation.

No registration fee. Travel, accommodation and meals are paid by the participants, except a few informal meals during the week. Updated information will be available through the SVALI homepage.

Registration deadline: 13 February 2012.

Organizer: Christine S. Hvidberg, University of Copenhagen. Contact: ch@gfy.ku.dk

SVALI - The Stability and Variations of Arctic Land Ice - is a Nordic Centre of Excellence (NCoE).

See the full announcement and read more at the SVALI homepage: www.ncoe-svali.org/phd_school