

ICE SHEETS AND GLACIERS IN THE CLIMATE SYSTEM

10-21 September 2019, Karthaus (northern Italy)

A course sponsored by

The Institute for Marine and Atmospheric Research, Utrecht University

The Netherlands Earth System Science Centre

The Bolin Centre for Climate Research (Stockholm)

The Alfred-Wegener-Institut (Bremerhaven)

Scope and Participation

The course provides a basic introduction to the dynamics of glaciers and ice sheets with a focus on ice-climate interactions.

Topics include: continuum mechanics, kinematics, ice rheology, sliding and hydraulics, numerical modelling, polar meteorology, ice-ocean interaction, ice cores, interaction of ice sheets with the solid earth, glacier fluctuations, etc.

Lectures will be given in the morning and exercises (including computer projects) in the afternoon. An excursion will be organised to nearby glaciers. The course is meant for Ph.D. students that work on a glaciology-related climate project.

Some places are available for junior scientists.

The registration fee is **€ 1000**. This covers lodging, full board, excursion and course material.

Lecturers include: T. Blunier, O. Eisen, I. Hewitt, N. Karlsson, F. Pattyn, G. Spada, A. Stroeve, C. Tijm-Reijmer, R. Winkelmann, J. Oerlemans (*convenor*).

Website

<http://www.projects.science.uu.nl/iceclimate/karthaus/>

Application

Send your application to the convenor (j.oerlemans@uu.nl), before **1 May 2019**

You will be notified about the decision of the Selection Committee by **1 June 2019**

Your application should include:

- A statement why you want to participate in this course
- Affiliation, name of supervisor
- A description of your research project (~200 words)
- A curriculum vitae

Please supply this information as **a single PDF file**.