

ICE SHEETS AND GLACIERS IN THE CLIMATE SYSTEM

25 May - 3 June 2022, Karthaus (northern Italy)

A course sponsored by

The Institute for Marine and Atmospheric Research, Utrecht University

The Netherlands Earth System Science Centre

&Trewitax – GlaciersAlive

The International Glaciological Society (IGS)

PROTECT (EU)

The Netherlands Polar Program (NWO-NPP)

Scope and Participation

The course is meant for Ph.D. students and 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 standard registration fee is **€ 800**. This covers lodging, full board, excursion and course material. The International Glaciological Society offers three fellowships to cover the registration for students that qualify but have difficulties to pay the fee (this requires a justification).

Lecturers include: T. Blunier, I. Hewitt, N. Karlsson, F. Pattyn, P. Stocchi, A. J. Oerlemans, C. Tijm-Reijmer, (*convenor*).

Website

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

Application

Send your application to the convenor (c.h.tijm-reijmer@uu.nl), before **15 January 2022**

You will be notified about the decision of the Selection Committee by **1 March 2022**

Your application should include:

- A statement why you want to participate in this course (~400 words)
- Affiliation, name of supervisor
- A description of your research project, including project title (~200 words)
- A curriculum vitae

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