

# ICE SHEETS AND GLACIERS IN THE CLIMATE SYSTEM

24 May - 2 June 2023, 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)  
Dutch Polar Climate and Cryosphere Change Consortium (NWO-NPP)  
HiRISE (ENW-NWO)

## ***Organizing committee***

C. Tijm-Reijmer, I. Hewitt, N. Karlsson.

## ***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 **€ 900**. 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**

M. Bentley, T. Blunier, O. Eisen, I. Hewitt, N. Karlsson, B. Keisling, J. Oerlemans, F. Pattyn, R. Winkelman, C. Tijm-Reijmer.

## ***Website***

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

## ***Application***

Apply for the course here : <https://forms.gle/rRxoehfwoqd1gH8B9>  
The form also includes the application for the IGS support.

Deadline for applications is **15 January 2023**

You will be notified about the decision of the organizing Committee by **1 March 2023**

For more information contact C. Tijm-Reijmer ([c.h.tijm-reijmer@uu.nl](mailto:c.h.tijm-reijmer@uu.nl))