

KARTHAUS-2005

ICE SHEETS AND GLACIERS IN THE CLIMATE SYSTEM

13 September - 24 September 2005

Scope and participation

The course will provide a basic introduction to the dynamics of glaciers and ice sheets with a focus on ice-climate interactions (including ice cores). The course is meant for Ph.D. students that work on (or will soon start working on) a glaciology-related climate project. A few places are available for junior scientists. There is no registration fee. Those accepted for the course will have free lodging with full board. However, travel costs cannot be reimbursed.

Programme

Lectures will be given in the morning and exercises (including computer projects) in the afternoon. An excursion will be organised to nearby glaciers.

Topics include:

- continuum mechanics, ice flow and rheology
- analytical and numerical models of glaciers and ice sheets
- sliding and hydrology
- polar meteorology
- mass-balance modelling
- remote sensing
- ice cores
- valley glaciers and global warming
- geomorphology and mapping of paleo ice sheets
- ice sheets, geodynamics and sea level
- the role of ice sheets in the Cenozoic evolution of climate

Lecturers: D. Dahl-Jenssen, W. Greuell, H. Gudmundsson, A. Jenkins, H. Miller, T. Payne, G. Kaser, K. Lambeck, A. Fowler, A. Stroeven, J. Oerlemans, C. Reijmer, R. Mulvaney, E. Wolff.

Committee

The organising committee consists of J. Oerlemans (convenor, Utrecht University), C. Reijmer (Utrecht University), G. Kaser (University of Innsbruck) and A. Jenkins (British Antarctic Survey).

How to apply

Send your application by email to J. Oerlemans, Institute for Marine and Atmospheric Research, Utrecht University (j.oerlemans@phys.uu.nl), before 15 April 2005. You will be notified about the decision of the Committee by the end of May 2005.

Your application should include:

- A curriculum vitae
- Affiliation and name of supervisor
- A description of your research project (~200 words)

*Updated:
sitemap*