

## 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*