

ICE SHEETS AND GLACIERS IN THE CLIMATE SYSTEM

10-21 September 2002, Karthaus (northern Italy)

A course organised and sponsored by the Institute for Marine and Atmospheric Research, Utrecht University, The Netherlands



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 and ice as an archive for climate and atmospheric composition.

The course is meant for Ph.D. students that work on (or will soon start working on) a glaciology-related climate project. Some places are available for junior scientists.

There is no registration fee. Lodging and food is free, but 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:

- 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
- ice sheets - climate feedbacks
- ice sheets, geodynamics and sea level
- the Last Glacial Maximum

Lecturers: M. van den Broeke, D. Dahl-Jenssen, W. Greuell, H. Gudmundsson, A. Jenkins, C. Mayer, G. Kaser, K. Lambeck, A. Fowler, H. Miller, J. Oerlemans, R. Mulvaney, R. van de Wal and others.

The Committee

J. Oerlemans, Utrecht (convenor)
G. Kaser, Innsbruck
D. Dahl-Jenssen, Copenhagen

Send your application by email to J. Oerlemans, Institute for Marine and Atmospheric Research, Utrecht University (j.oerlemans@phys.uu.nl), before 15 March 2002. You will be notified about the decision of the Committee by the end of April 2002.

Your application should include:

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