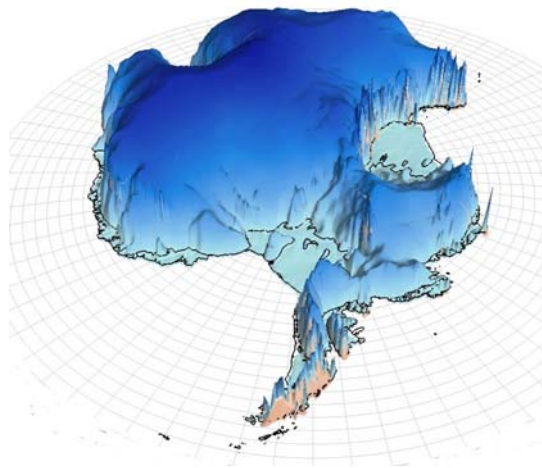


Antarctic Peninsula Climate Variability: History, Causes and Impacts



*Interdisciplinary Workshop
Cambridge, UK, September 16-18 2004*

First Circular and Call for Papers

The Antarctic Peninsula is one of the most rapidly warming areas on Earth. Understanding the cause of this dramatic regional change, its future predictability and likely impacts requires a truly interdisciplinary approach.

The Workshop

In April 2002, a workshop at Hamilton College, NY, brought together a group of environmental scientists from a wide range of disciplines with a common interest in understanding the processes that have controlled Antarctic Peninsula climate variability through the Holocene, establishing the predictability of future climate change and the impacts on the physical and living environment. Two years on, exciting new marine records are available, our understanding of the regional climate dynamics has increased dramatically, ice shelves have continued to retreat, and we have gained new insights into the rapidly changing ecology of the region – a second workshop is now planned.

This workshop will examine the climatic history of the Antarctic Peninsula from the Last Glacial Maximum to the present day. Attention will also be focussed on the mechanisms that drive climate variability in this region and on the impact of regional climate change on the cryosphere and on marine and terrestrial ecosystems.

The Programme

The programme will have sessions addressing seven key science areas, each introduced by an invited speaker and with a few short oral presentations. Significant time will be allotted to poster sessions.

A key part of the meeting will be discussion sessions focussing on major research questions and aimed at developing new syntheses of palaeoclimate data, instrumental observations and model results. An anticipated outcome of the meeting is the production of a report to be made available for use by the IPCC 4th Scientific Assessment panels.

The seven key science areas and invited speakers are:

<p>1. Palaeoclimate reconstructions from marine records</p>	<p>Eugene Domack, Hamilton College</p>
<p>2. Palaeoclimate reconstructions from terrestrial records</p>	<p>Dominic Hodgson, BAS</p>
<p>3. Ice shelf retreat</p>	<p>Ted Scambos, NSIDC/Colorado</p>
<p>4. Impacts on ecosystems</p>	<p>Andrew Clarke, BAS</p>
<p>5. Climate history from the instrumental record</p>	<p>Phil Jones, University of East Anglia</p>
<p>6. The role of the oceans and sea ice in controlling Antarctic Peninsula climate variability</p>	<p>John Klinck, Old Dominion University</p>
<p>7. Climate modelling and analysis</p>	<p>Michiel van den Broeke, University of Utrecht</p>

The meeting will open for registration at 1100 on Thursday, 16th September and will close after lunch on the Saturday, 18th.

Submission of Abstracts

Those intending to take part in the workshop are invited to submit short (less than 300 words) abstracts by email to kms@bas.ac.uk in Word, PDF, or ASCII format. Please include “Antarctic Peninsula Workshop Abstract” in the subject field of the message. **The deadline for submission of abstracts is 29 February 2004.** Please include the following with your abstract: 1. Names and affiliations of authors, 2. Contact details (phone, fax, email) for presenting author, 3. Preference for oral or poster presentation, 4. Any special requirements (the lecture theatre is equipped with computer, overhead and 35mm slide projectors).

The time available for oral presentations is limited and the Programme Committee will select abstracts for oral presentation. Other papers will be presented as posters that will be given their own sessions. Presenters will be notified of the Programme Committee’s decision by 1 April 2004.

Registration

A registration and accommodation booking form can be downloaded from www.antarctica.ac.uk/met/AP2004 or may be requested by email from the Workshop Administrator (kms@bas.ac.uk). Registration forms and payment should be returned by **29 February 2004, after that date we cannot guarantee availability of accommodation at Downing College.** The workshop fee of £130 covers buffet lunches and refreshments, evening receptions and the Workshop Dinner on 16th September.

The Venue

The workshop will be held in the historic university city of Cambridge. Sessions will take place in the heart of the city at the Scott Polar Research Institute; with accommodation available within five minutes walk at Downing College (www.dow.cam.ac.uk). A block of 80 study-bedrooms with en-suite facilities has been reserved. Rooms will be available from 15 September to 19 September to facilitate flexible travel arrangements. For those wishing to make their own arrangements, Cambridge offers a variety of hotel accommodation of all grades.

Cambridge can be reached easily by road or rail and there are good public transport connections to all of London’s major airports. Full travel information will be sent on registration.

A Workshop Dinner will be held at Jesus College on the evening of 16th September.

Organising Committee

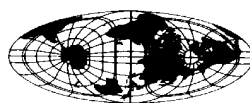
D.G. Vaughan, BAS (Chair)

J.C. King, BAS

M.J. Bentley, Durham

J.A. Dowdeswell, SPRI

Workshop Administrator Mrs. K. Salisbury, BAS



SCOTT POLAR RESEARCH INSTITUTE
University of Cambridge

