

INTERNATIONAL GLACIOLOGICAL SOCIETY

**INTERNATIONAL SYMPOSIUM ON CRYOSPHERIC
INDICATORS OF GLOBAL CLIMATE CHANGE**

Cambridge, UK
21-25 August 2006



CO-SPONSORED BY
British Antarctic Survey
Scott Polar Research Institute
Scientific Committee on Antarctic Research
International Glaciological Society
IUGG-CCS
WCRP CliC

THIRD CIRCULAR
&
PROGRAMME

July 2006

Registered Charity

INTERNATIONAL GLACIOLOGICAL SOCIETY

PRESIDENT: A. Ohmura

VICE PRESIDENTS: E. Brun, Ian Allison and Eric Wolff

IMMEDIATE PAST PRESIDENT: E.M. Morris

SYMPOSIUM ON CRYOSPHERIC INDICATORS OF GLOBAL CLIMATE CHANGE

The International Glaciological Society will hold an International Symposium on Cryospheric Indicators of Global Climate Change in 2006. The symposium will be held in Cambridge, UK with registration on 20 August and sessions from 21 to 25 August 2006.

SYMPOSIUM ORGANIZATION

Magnús Már Magnússon (International Glaciological Society)

LOCAL ARRANGEMENTS COMMITTEE

Tom Lachlan-Cope (Chair), Gill Alexander, Liz Crilley, Vicky Lytle, Hilmar Gudmundsson, Glenda Harden, Magnús Már Magnússon, Ian Willis, Eric Wolf, Marzena Kaczmarek

SCIENCE STEERING AND EDITORIAL COMMITTEE

Martin Sharp (Chief Scientific Editor), Maria Ananicheva, Roger Barry, Cecilia Bitz, Ross Brown, Vicky Lytle, Chad Dick, Julian Dowdeswell, Claude Duguay, Greg Flato, Duane Froese, Jon Ove Hagen, Ola Johannesson, Andreas Käab, Seymour Laxon, Ellsworth LeDrew, Vin Morgan, Ellen Mosley-Thompson, Tony Payne, Mark Serreze, Koni Steffen

INFORMATION ABOUT THE SYMPOSIUM MAY BE OBTAINED FROM:

International Glaciological Society, Scott Polar Research Institute,

Lensfield Rd, Cambridge CB2 1ER, UK.

Tel: +[44] (0)1223 355 974

Fax: +[44] (0)1223 354 931

Email: igsoc@igsoc.org

Web: <http://www.igsoc.org/symposia/>

<http://www.antarctica.ac.uk/met/tlc/igs/>

LOCAL INFORMATION

The conference will be held in the Chemistry department of the University of Cambridge and the Scott Polar Research Institute (SPRI). The talks will take place in the Chemistry building, in lecture theatre 1 (Bristol-Myers Squibb Lecture Theatre, BMS), and in lecture theatre 2 (Wolfson Lecture Theatre) and the posters and Monday CliC reception will take place in the SPRI. The Department of Chemistry and SPRI are next door to each other and close to Downing College where many delegates are staying.

Registration will be open in the foyer of SPRI from 1600 on Sunday 20 August and will be open each day from then until 25 August. A map showing the location of Department of Chemistry, SPRI and Downing College is included below.

Cambridge is located within an easy (60 min) train journey of London (Kings Cross Station and Liverpool street station, <http://www.nationalrail.co.uk/times/fares/>) and can be reached by both train and bus (<http://www.nationalexpress.com/home/hp.cfm>) from London's airports.

THEME

The cryosphere, consisting of snow cover, sea-, lake- and river-ice, glaciers, ice caps and ice sheets, and frozen ground including permafrost, is a fundamentally important part of the global climate system. Many components of the cryosphere respond sensitively and very visibly to climate changes. Cryospheric changes provide important information about past climatic conditions in regions where other climate observations are sparse, and they have significant implications for global sea level, regional water resources and both terrestrial and aquatic ecosystems. Feedbacks between the cryosphere and other components of the climate system play a key role in how the climate system evolves over time. In situ observations, remote sensing, the analysis of proxy records and numerical modeling all contribute to understanding the dynamics of cryospheric change and cryosphere/climate interactions. Building on the foundation laid by the 1st CliC International Science Conference, held in Beijing in April 2005, this symposium will promote discussion of the evidence for changes in all components of the global cryosphere, their interdependence and causes, our current ability to model these changes, and what they tell us about changing global climate.

TOPICS

The suggested topics include:

1. Observed historical changes in the cryosphere.
2. Processes that lead to changes in the cryosphere and how these make interpretation difficult.
3. Actual records of climate in cryospheric regions, and their relation to changes in the cryosphere, including statistical/model interpretation.
4. Extension of climate records back in time, using observations of cryospheric changes.
5. Synthesis of records by geographical region, and ultimately globally.
6. Linkage of historical cryospheric records to palaeo-records of climate.
7. Modeling of all of the above. How well do models capture the observed changes?

SESSIONS AND POSTERS

Oral sessions are all located in the Department of Chemistry. Posters will be displayed in the Scott Polar Research Institute.

Oral presentations:

Oral presentations will be allowed 15 minutes *inclusive* of time for discussion. The session chairs will be asked to ensure that every presentation starts and finishes according to the schedule.

Presentations will be given in modern lecture theatres. An overhead projector, video and DVD players, and a PC running MS PowerPoint and Acrobat Reader 7.0 are available for presentations. Presentations should be uploaded from CD/DVD or USB memory stick/flash drive. **Please bring your presentation, on CD/DVD or USB memory stick/flash drive, to Sunday registration, as this is the ideal opportunity to upload presentations to the lecture theatre server.**

Poster presentations

Poster introductions will be allowed 1 minute and *one overhead*. PowerPoint presentations etc. are discouraged due to the additional time required.

The mounting boards for posters are A0 landscape (84cm x 118.8 cm). Velcro will be provided.

SOCIAL PROGRAMME

Sunday (16:00 - 20:00)	Main registration in SPRI (also throughout the week)
Monday (18:30 - 21:30)	CliC reception in SPRI
Tuesday (20:00 - 22:00)	Seligman Award Ceremony – talk by Richard Alley
Wednesday (13:30 – late afternoon)	Mid-week excursion.
Wednesday (19:30 - 23:00)	Banquet in St John's College

PUBLICATION

Selected papers from the symposium will be published by the Society in the *Annals of Glaciology*, volume 46. All papers (including those based on posters) will be refereed and edited according to the Society's regular standards before being accepted for publication. Final revised papers should be in Cambridge office by middle of October

EXCURSIONS

MID WEEK FIELD TRIP:

Option 1: Excursion to Ely Cathedral.

Option 2: Walking tour of Scientific Cambridge.

Option 3: Walking and punting tour of Cambridge

BANQUET

The IGS banquet will be held in the Main Hall at St. John's College on Wednesday evening starting at 19:30. The entrance is through the main gate in St. John's Street. See map below.

ACCOMPANYING PERSONS PROGRAMME

The accompanying person registration fee includes the mid week excursions, the CliC information evening and the banquet. Staff will be on the registration/information desk during the conference and will assist with further arrangements.

LOCATION, INTERNET AND WEATHER

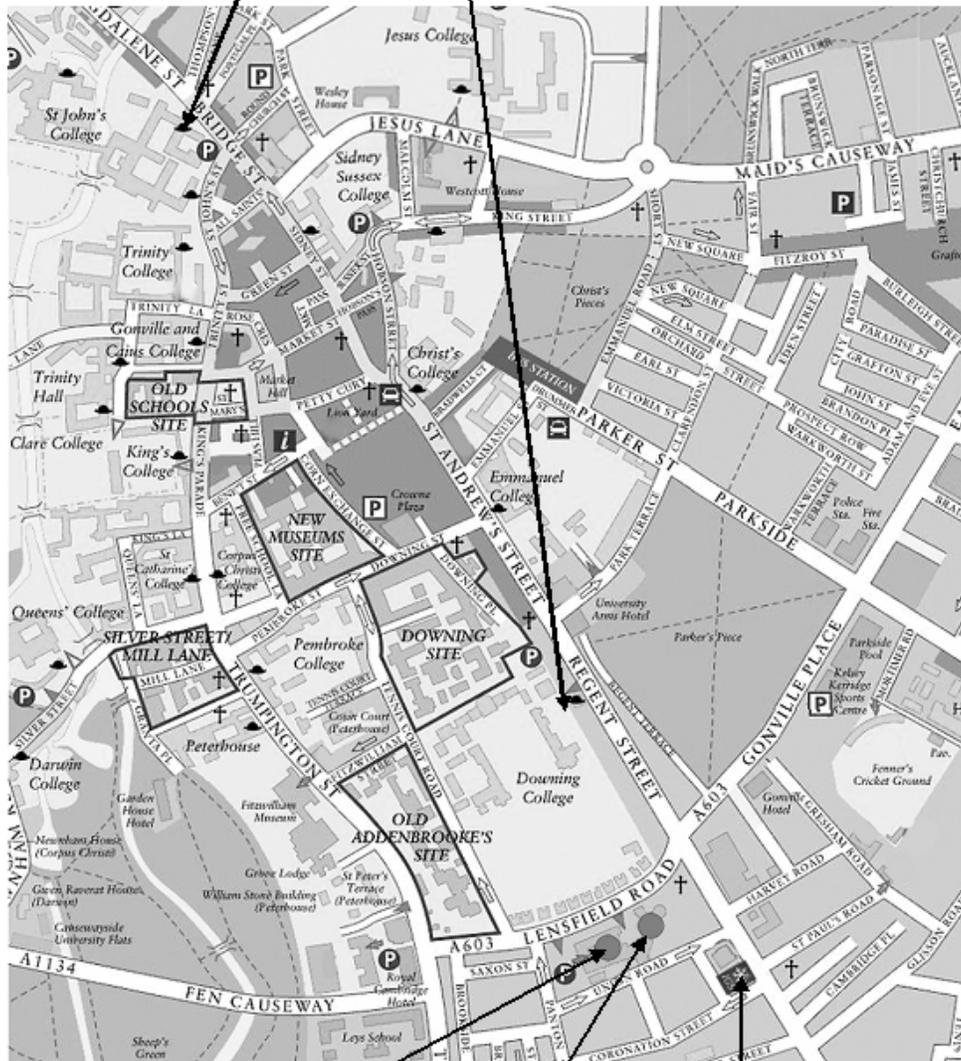
Cambridge is a city of contrasts - a place where more than 800 years of history are preserved unchanged in stone and brick, but which inspires ideas that have changed the world. The population of this medieval city is around 100,000. Although the area around Cambridge has the lowest rainfall in the UK, these things are relative and you should still pack waterproof clothing. The average temperature during August is 16.3°C but daytime temperatures are more likely to be around 20°C. All venues relating to the symposium are within easy walking distance of each other.

Delegates will have access to the internet through computers set up in the Remote Sensing Laboratory on the ground floor at SPRI. Please remember that there are a lot of delegates that need to access the Internet so please be considerate when you see other people waiting to get on a computer. Delegates staying at Downing College can access the internet from their rooms, information relating to that will be given when people check in at the Porters Lodge.

Wireless network will also be available throughout the foyer at SPRI. Because of University regulations, the IT department requires the names and MAC address of all laptop users. To get the MAC address, type `ipconfig /all` in a command prompt window and make note of the "physical address".

Delegates staying at Downing College should report to the Porter's Lodge on Regent Street upon their arrival where their keys will be waiting along with additional information relating to their stay.

St. John's College Downing College



Department
of Chemistry

Scott Polar
Research Institute

I.G.S.
(22 Hills Road)

The IGS Admin and Production Office is located at 22 Hills Road as indicated by the arrow.

NOTES

NOTES

NOTES