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Welcome to Beijing!

The 1st PAGES Open Science Meeting was held in London in 1998. The meeting consisted of 31 plenary talks and over 400 poster presentations.

Participants uniformly reported that it was one of the best scientific meetings they had attended. We hope the 2nd PAGES Open Science Meeting in Beijing in 2005 will be equally successful.

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Major Sponsors

Chinese Academy of Sciences
National Natural Science Foundation of China
U.S. National Science Foundation
National Oceanic & Atmospheric Administration
Swiss National Science Foundation



IAMAS Scientific Assembly

The PAGES meeting is being held alongside the 9th International Association of Meteorology and Atmospheric Sciences Scientific Assembly, which runs from 2-11 August. For more information see page 10.



PAGES

Past Global Changes (PAGES) encourages paleoenvironmental and paleoclimate research efforts directed at securing a quantitative understanding of natural and human-induced variations of the Earth system in the past, in order to make informed predictions of future climate, ecosystems and sustainability. PAGES' scope of interest covers the physical climate system, biogeochemical cycles, ecosystem processes, biodiversity and human dimensions on different timescales within the Quaternary period. The main areas of focus include facilitating and integrating international paleoresearch, encouraging research collaborations, strengthening involvement of scientists from developing countries, supporting educational programs, engaging with the climate modeling community, and providing access to paleo-data. Founded in 1991, PAGES, is a core project of the International Geosphere-Biosphere Programme and is funded by the U.S. and Swiss National Science Foundations, and the National Oceanic and Atmospheric Administration.

Local Organizing Committee

Yiyu CHEN.....National Natural Science Foundation of China
Tungsheng LIU.....Institute of Geology and Geophysics*
Pinxian WANG.....Tongji University
Zhisheng AN.....Institute of Earth Environment*
Panqin CHEN.....Bureau of Science and Technology for
Resources and the Environment*
Zhongli DING.....Institute of Geology and Geophysics*
Zhengtang GUO.....Institute of Earth Environment*
Cuiling LAN.....Center for Intl. Scientific Exchanges*
Jianguo CHE.....Institute of Geology and Geophysics*
Liping ZHOU.....Beijing University
Fahu CHEN.....Lanzhou University
Shu GAO.....Nanjing University

*Chinese Academy of Sciences

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Introduction

The title of the 2nd PAGES Open Science Meeting (OSM) is “Paleoclimate, Environmental Sustainability and Our Future”. The meeting will focus on understanding past processes and natural variability—within the topics of climate, environmental change and human impact—in order to develop predictive models of the future.

Aims

The main aim of the OSM is to encourage international collaboration and interdisciplinary science. By linking various disciplines, the meeting seeks to showcase paleoresearch, environmental history and modeling in a unique way. It is hoped that presenters will take the opportunity not only to present their own work but to highlight paleoscience in general.

Themes

- Future Change: Historical Understanding
- Humans and their Environment: Past Perspectives on Sustainability
- Ocean-Continent-Cryosphere Interactions: Past and Present
- Climate, Humans and the Environment in Asia
- PAGES Research Foci and Initiatives

Scientific Program

The OSM will consist of plenary lectures by invited speakers and poster sessions. The lectures are designed to provide geographical representation while balancing renowned senior scientists with young and upcoming researchers, well-known PAGES personalities with people totally new to PAGES. The majority of contributions from the international paleo-community will be in the form of posters, reporting research on one or more of the OSM themes. Some open slots have been reserved for short presentations by authors of meritorious posters from amongst the contributed abstracts.

PAGES will also be co-hosting symposia at the IAMAS meeting. For details, please see the schedule on the OSM website at www.pages2005.org.

Venue

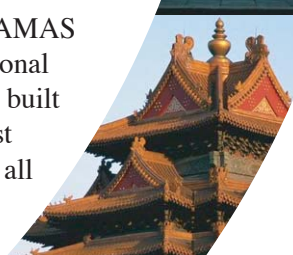
Evidence is now overwhelming that changes in greenhouse gas concentration and average temperature are a consequence of human activities superimposed on natural variation. How can we distinguish anthropogenic factors from natural variability? What will climate changes herald for the future of human societies? These are compelling and urgent questions, especially for areas with high population density and growth, such as on the Asian continent. By locating the 2nd OSM in Beijing, PAGES hopes to increase the visibility of paleoenvironmental research in Asia and provide opportunities for international collaborations.

Beijing

Beijing, the capital of China, is located in the north-east at 43.5 m above sea level. The city covers an area of 16,800 km², encompassing 18 districts and counties, with a population of about 11 million. The weather in August is usually warm with some rain. Temperatures range from 12–38°C (54–100°F), with an average temperature of 24°C (77°F). For more information about Beijing, please visit the OSM website at www.pages2005.org.

Convention Center

The OSM is being held alongside the 9th IAMAS Scientific Assembly at the Beijing International Convention Center (BICC). The BICC was built in August 1988 and is one of China's largest conference and exhibition centers, offering all modern congress facilities. It is located at 8 Beichendong Road in the Chaoyang District, within the Asian Games Village. For more information, visit the BICC website at www.bicc.com.cn.



Preliminary Schedule

The **Registration & Information Desk** in the lobby of the BICC will be open at the following times:
 Tuesday, 9 August 10:00 - 20:00
 Wednesday - Friday, 10-12 August 8:30 - 17:30

Talk Poster Social

Tuesday, 9 August 2005

19:00-21:00 **WELCOME RECEPTION** — Beijing International Convention Center
 Courtesy of Chinese Academy of Sciences, Institute of Geology and Geophysics

Wednesday, 10 August 2005

8:30-9:00 Welcome Lecture

Session 1. Future Change: Historical Understanding

9:00 John Dearing, UK — Human-Environment Interactions: Past, Present and Future

9:30 James Shulmeister, New Zealand — Interhemispheric Linkages in Climate Change: Paleo-perspectives on Modern Problems

10:00 Ricardo Villalba, Argentina — Long-term Variability in Tropical and High-latitude Circulation Modes of Climate in the Americas

10:30-11:00 COFFEE/TEA BREAK

11:00 Valerie Masson-Delmotte, France — Dynamics of Global Climate and Water Cycle Changes: Interest of Quantitative Paleoclimatic Reconstructions

11:30 Keith Alverson, France — Global Earth Observations - What Role for Paleorecords?

12:00 Mike Mann, USA — Insights from Comparing Empirically-estimated and Modeled Climate Change in Past Centuries

12:30-14:00 LUNCH

14:00 Julie Brigham-Grette, USA — Records of Past Polar Interglacials and Rapid Change

14:30-16:00 Open — Talks by presenters of meritorious abstracts

16:00-18:00 Posters I (with drinks and snacks)

Thursday, 11 August

Session 2. Humans and their Environment: Past Perspectives on Sustainability

9:00 Frank Hole, USA — Sustainability in the Period of Agriculture: The Near Eastern Case

9:30 Rick Battarbee, UK — Paleolimnology, Pollution and Climate Change

10:00 Charles Redman, USA — Human Impacts on Ancient Environments

10:30-11:00 COFFEE/TEA BREAK

11:00 Rudolf Brazdil, Czech Republic — Human Impacts of Climate Anomalies and Weather Disasters during the Past Millennium in Central Europe: Learning from the Past

11:30 Dan Olago, Kenya — The Cadence of Man and Climate through the Holocene in Africa

Session 3. Ocean-Continent-Cryosphere Interactions: Past and Present

12:00 Hubertus Fischer, Germany — Global Biogeochemical Cycles and Greenhouse Gas Emissions in the Ice Core Paleoperspective

12:30-14:00 LUNCH

14:00 Ralph Schneider, Germany — From Milankovitch to Rapid Climate Change, IMAGES Research

14:30 Zhimin Jian, China — Millennial-centennial-scale Climate Variability of the Low Latitude Western Pacific during the Late Quaternary

15:00 Patrick De Deckker, Australia — The Role of the Indo-Pacific Warm Pool on Global Climate Change during the Quaternary

15:30-17:30 Posters II (with coffee/tea and cakes)

19:00 CONFERENCE BANQUET

Friday, 12 August

9:00 Andrew Weaver, Canada — The Thermohaline Circulation in Past, Present and Future Climate

9:30 Paul Mayewski, USA — Reconstructing the Last 2,000 Years of Climate through ICARA (Ice-core Climate Archive Recovery Activity)

10:00 Olga Solomina, Russia — Climatic Events and Tendencies in the North-east Pacific Recorded by Trees and Glaciers during the Last 400 Years

10:30-11:00 COFFEE/TEA BREAK

Session 4. Climate, Humans and the Environment in Asia

11:00 Steve Burns, USA — Tropical Climate Change during the Late Pleistocene and Holocene as Recorded in Speleothems

11:30 Hitoshi Fukusawa, Japan — What Triggers have Caused Climatic Changes since the Last Glacial in East Asia?

12:00 Ashok Singhvi, India — Monsoon and Man in the Indian Sub-Continent

12:30-14:00 LUNCH

14:00 Zhisheng An, China — The Evolutional Process of Asian Dust and its Role for the Earth System in the Past

14:30-16:30 Posters III (with coffee/tea and cakes)

16:30-18:30 Plenary Discussion: PAGES Future Direction — Zhentang Guo, Julie Brigham-Grette

Registration

Please register online at www.pages2005.org. If electronic registration is not possible, please fill in the registration form on page 11 and return it to the address on the form.

Fees

The registration fee covers attendance at the meeting, one copy of the abstract volume and meeting literature, the welcome reception, banquet, coffee breaks, poster snacks and working lunches. The fee for accompanying persons covers the welcome reception, banquet and working lunches. Payment by credit card (VISA, American Express or Mastercard) is preferred.

Registration Fees

PLEASE NOTE:
A 4% credit card service fee will be added to your total.

	Early Before 15 May 2005	Late After 15 May 2005
Scientists	US\$250	US\$300
Students*	US\$200	US\$250
Accompanying Persons	US\$120	US\$120

*Students must provide a letter from their advisor confirming that they are currently enrolled at a university or college.

Social Events

The Meeting will begin on the evening of Tuesday, 9 August with a Welcome Reception at the BICC, courtesy of the Chinese Academy of Sciences, Institute of Geology and Geophysics. The Conference Banquet will be held on the evening of Thursday, 11 August. Several local tours to interesting historic sites in Beijing will be offered, as well as outstanding pre- and post-meeting excursions and post-meeting geological field trips. These events are at an additional cost. More information can be found at www.pages2005.org.

Abstract Submission

All contributed papers will be in the form of posters. Details on poster format will be sent together with the notification of poster session times. Please note that only one abstract per person may be submitted. Accepted abstracts will be published in an abstract book that will be distributed to attendees at the meeting. By submitting an abstract, you automatically grant PAGES permission to reproduce the abstract in any form in conference-related materials and publications. Please submit your abstract online at www.pages2005.org. If this is not possible, abstracts may be submitted by email to osm@pages.unibe.ch or by mailing a computer disk or CD to PAGES. It will not be possible to process non-electronic submissions.

Important Dates

Poster abstract submission deadline	31 March 2005
Notification of poster session time	30 April 2005
Notification of funding support	30 April 2005

Abstract Guidelines

Abstracts must be written in English in Times 12 pt font and should include, in this order and format:

Poster abstract title (centered, bold)

Authors' names (first name family name, ...)

Institutions and full addresses (italics)

First author's email, phone and fax numbers (italics)

Abstract text (max. 250 words, justified)

Keywords: (bold, separated by commas)

OSM theme (first and second choice, see page 4)

The abstract format must be strictly followed.

Please see www.pages2005.org for an example.

PAGES will award "Young Scientist" prizes for meritorious abstracts.

General Information

Travel

All participants should contact the Chinese Embassy or Consulate in their country for visa information. An official letter of invitation to attend the conference can be provided by PAGES, if it is necessary to obtain a visa. This letter does not imply that PAGES will cover any fees or expenses. Neither PAGES, the meeting organizers, nor the hotels or conference center can take any responsibility for injury or damage to persons or property during the OSM. You are therefore advised to take out travel insurance. Maps and directions on how to get to the conference center and hotels, as well as other general travel information, are available at www.pages2005.org.

Support

Limited travel support will be available for PhD students and scientists from developing countries.

Hotel Information

A number of hotel rooms, with a range of prices, have been reserved for OSM participants. However, the number of rooms is limited, so please book early. Booking information can be found at www.pages2005.org.

Hotel reservation deadline

1 July 2005

IAMAS Scientific Assembly

The OSM is being held alongside the 9th IAMAS Scientific Assembly, which runs from 2-11 August. The theme of the meeting is "The Fascinating Atmosphere: Changeable and Changing". The scientific program will cover all areas of meteorology and atmospheric sciences from the surface to the middle atmosphere, both for the Earth and for other planets. Many sessions will be of relevance to PAGES OSM participants. More information on the IAMAS meeting can be found at www.iamas2005.com or www.iamas.org.

Registration Form

Please register online at www.pages2005.org. COMPLETE THIS FORM ONLY IF ONLINE SUBMISSION IS NOT POSSIBLE.

Return it by fax or mail before **15 May 2005**.

CONTACT INFORMATION

Family Name: _____ First Name: _____
Institution: _____
Full Address: _____

Country: _____
Phone Number: _____ Fax Number: _____ Email: _____

REGISTRATION FEES

☐ Scientist ☐ Student (include proof)
No. of accompanying persons: _____ Names: _____

I am interested in the excursions, please send me information: ☐ Yes ☐ No

HOTEL RESERVATION

Arrival date: _____ Departure date: _____
Indicate, using the numbers 1, 2 and 3, your order of preference for choice of hotel:
__Beijing Continental Grand __Beijing Catic __Laodong Hotel
☐ Single ☐ Double; sharing with (Name): _____

PAYMENT DETAILS (a 4% service fee charged by the Bank of China will be added to your total)

Please charge my credit card: ☐ VISA ☐ Mastercard ☐ American Express

Name on Card: _____

Card Number: _____

Expiration Date: _____

Signature: _____

Your credit card will be charged in RMB (Chinese currency).

Please attach a photocopy of both sides of your credit card to this registration form.

☐ I cannot pay by credit card. Please contact me with details of alternatives.

ADDITIONAL ITEMS

I am a PhD student and/or a scientist from a developing country and I would like to apply for a travel grant: ☐ Yes ☐ No

Comments: _____

PLEASE NOTE: If you do not have access to the internet, all the information about the OSM is available by email, fax or mail by contacting PAGES IPO.

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