

Issue 17

1. SOLAS News

- A SOLAS Session will be held at the EGU General Assembly in Vienna, Austria, **April 2-7, 2006**. **13 JANUARY 2006 is the abstract deadline**. For info:

<http://meetings.copernicus.org/egu2006/>

Conveners: Lise Lotte Soerensen and Veronique Garcon

Session OS 6: SOLAS aims to achieve quantitative understanding of the key biogeochemical-physical interactions and feedbacks between the ocean and the atmosphere, and to understand how this coupled system affects and is affected by climate and environmental change. We seek contributions to this session in any area related to biogeochemical and physical processes at the air-sea interface, either on the theoretical, modelling or experimental aspects. Session objectives are to report on progress made on the knowledge of the state and variability of marine biogeochemistry, gas exchange rates, atmospheric trace gas chemistry and transport, and climate, thus covering the three SOLAS Foci.

- UK SOLAS Directed Programme - Announcement of Opportunity for Knowledge Transfer (KT). UK SOLAS is keen to increase the involvement of research users. More than £500k is available for CASE studentships and other KT activities. **Closing date: 9 February**. For full details and how to apply see: <http://www.nerc.ac.uk/funding/thematics/solas/aokt.shtml>

- The SOLAS Executive Committee will hold a two-day meeting prior to the AGU/ASLO/TOS Ocean Sciences Meeting in Honolulu (closed meeting).
- The SOLAS Scientific Steering Committee will hold a 3-day meeting in conjunction with Netherlands-SOLAS in Amsterdam on **May 8-10** (closed meeting).

2. Conferences / Meetings

- OS5 Open Session on the Marine Biogeochemical Cycles, EGU General Assembly in Vienna, Austria, **02-07 April 2006**. **13 January 2006** abstract deadline.
<http://meetings.copernicus.org/egu2006/>
This session invites contributions related to observations, experimental manipulations, predictive analyses and modelling studies of the biological, chemical, physical and geological processes involved in the marine biogeochemical cycles and the interactions between them. Conveners: Carol Robinson, Plymouth Marine Laboratory, crob@pml.ac.uk; and Baris Salihoglu, LEGOS/CNRS, baris.salihoglu@notos.cst.cnes.fr
- 17th Global Warming International Conference and Expo (GW17) **April 19-21, 2006**, Miami USA. Contact: gw17@globalwarming.net To register online, go to <http://www.globalwarming.net/register>
- Notice of 'Session OS05' on "Ocean-Atmosphere interaction and the Asian Monsoon: Recent observations, modeling and challenges" at the 3rd Annual Meeting of the

Asia Oceania Geosciences Society (AOGS 2006) from 10-14 July 2006 at the Singapore International Convention & Exhibition Centre.

Themes:

1. New insights from recent observational experiments (JASMINE, BOBMEX, ARMEX, SCSMEX, GAME, TWPICE and buoys, ARGO floats, etc).
2. Simulation and prediction of the variability of the Asian monsoon: Are coupled models essential?
3. Links of the Asian monsoon to ENSO and IOD.

For details: <http://asiaoceania-conference.org/>

Abstract submission closes on 1 February 2006

Convenors : P. N. Vinayachandran and Sulochana Gadgil, Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bangalore, E-mail:

vinay@caos.iisc.ernet.in; sulo@caos.iisc.ernet.in

- Session Announcement: "Linking the Nutrient Physiology of Marine Phytoplankton to Regional and Global Biogeochemistry" (TS-B08) American Society of Limnology and Oceanography (ASLO) Summer Meeting 2006, Victoria, British Columbia, 4-9 June 2006
For information: <http://aslo.org/meetings/victoria2006/>
A topical session entitled "Linking the Nutrient Physiology of Marine Phytoplankton to Regional and Global Biogeochemistry" will be held during the ASLO 2006 Summer Meeting in Victoria, B.C. Field, laboratory, and modeling studies that focus on new and regenerated primary production, carbon and silicate pumps, export production, nutrient uptake and limitation, Redfield ratios and their deviations, the emission of biologically-derived gases to the atmosphere, and related technological

advances are encouraged to contribute to this session. This session will bring together classic and recent studies that shed light on the implications of phytoplankton physiology on regional or global elemental cycles. Conveners: Diana Varela, University Victoria; Rebecca Shipe, UCLA

3. Jobs

- The Shipboard Technical Support division of Scripps Institution of Oceanography is recruiting for someone to manage its Instrument Calibration Lab. Description: Oversee operation of the calibration lab, design and fabricate instrumentation for chemical analyses and sample acquisitions, design and produce software for data acquisition, develop and maintain software for acquisition and processing of oceanographic data, develop processing algorithms for new instrumentation, maintain equipment and supplies, perform calibration of oceanographic and meteorological instrumentation, manage the digital calibration files, perform analysis of sea water samples for dissolved oxygen and precision salinity, assist in preparation for and participate on research cruises. http://joblink.ucsd.edu/bulletin/job.html?cat=engineering&job_id=38222
- The Institut d'Astronomie et de Geophysique Georges Lemaître of the Université Catholique de Louvain in Belgium invites applications for a postdoctoral fellowship in 3-D modelling of the sea-ice ocean system and biogeochemical cycles in the southern ocean. The

successful candidate will be in charge of the physical component of the model but will also take part in the coupling between the physical and biogeochemical modules as well as in the analyses of the results of the coupled model. The postdoc fellowship is for 12 months. Candidates should have a Ph.D. in physical oceanography, atmospheric science, applied mathematics, or related discipline. Include a CV, a letter describing relevant experience and research interests, and 2 letters of recommendation. **Review of applications will begin Wednesday, 1 March 2006 and will continue until a candidate is selected.** Applications and questions should be sent to:

Hugues Goosse

Institut d'Astronomie et de Geophysique G. Lemaitre

2, chemin du Cyclotron

B-1348 Louvain-la-Neuve

Belgium

Phone: 32-10-473295

Fax: 32-10-474722

Email: goosse@astr.ucl.ac.be

www.astr.ucl.ac.be/index.php?page=JobSouthernOceanModelling

- The University of East Anglia, School of Environmental Sciences is seeking to appoint to a Chair in Atmospheric Chemistry. Applications are invited from individuals working in any branch of the subject (field observations including space-based techniques, laboratory measurements, or modelling), and with interest in the troposphere and/or the stratosphere. Informal enquiries can be made to Professor Peter Liss (p.liss@uea.ac.uk or

telephone +44 (0)1603 592563). Closing date: 31 March.

More info at:

<http://www.uea.ac.uk/personnel/jobs/acad/ac603.htm>.

- The Department of Earth Sciences at Boston University and the Institute for Earth Oceans and Space at the University of New Hampshire are seeking a research associate at the postdoctoral level to work on process studies to quantify biogeochemical (particularly, carbon) fluxes at the ocean-land interface. The project entails using numerical models to couple terrestrial fluxes with ocean physics and property distributions available from coastal ocean models and observations in the Gulf of Maine. A background in ocean modeling, terrestrial runoff modeling, coastal biogeochemistry, or applying remote sensing data to model studies is a plus. Appointment is initially for 1 year, to start at the earliest. The researcher will work with BU and UNH, and will be a member of the Joint Center for Ocean Observing Technology (NOAA/UNH). Contact: Dr. Joseph Salisbury, Ocean Processes Analysis Laboratory, UNH, Durham, NH, phone: (603) 862-0849
- The University of Leicester is pleased to announce 20 new blood lectureships for high quality individuals. One of these positions will be associated with the internationally renowned Department of Physics and Astronomy at the University. Earth Observation Science/Earth System Science will be one of the core areas seeking to appoint a good candidate and applications are therefore sought from the physics, climate, meteorology, oceanography and surface science communities.

The adverts and further particulars can be found at:

<http://www.le.ac.uk/personnel/jobs/a&r.html>

<http://www.le.ac.uk/physics/index.shtml>

- Lecturer/Senior Lecturer in Climate Studies - **closing date 31st January 2006**, University of Sheffield, Department of Geography. Salary: £31,525 - £44,947 per annum, with the potential to progress to £52,107. Applicants should have, or be about to obtain, a PhD in Geography or a related discipline, and be committed to excellence in teaching and research. The appointee will develop research activities linked to our existing strength in climate and cryosphere, focusing particularly on climate modelling, or data-based climate change studies of the atmosphere or ocean.

For more details:

<http://www.shef.ac.uk/jobs/academic.html>

- Modelling cirrus cloud fields for climate and atmospheric chemistry studies - **closing date: 20th January 2006**
Supervisor: Dr. Rob MacKenzie, Reader in Atmospheric Science, Environmental Science Dept., Lancaster University. At Lancaster, we have developed a strategy for modelling cirrus that has been used successfully in recent tropical field campaigns. We now seek to develop the model further and expand its application to other parts of the globe, with a view to assessing the global radiative and chemical impact of cirrus. Candidates for this NERC quota studentship should have, or expect, a first-class or high 2:1 Honours degree in Meteorology, Physics, Chemistry, Environmental Science, or a related discipline.

<http://masters.es.lancs.ac.uk/index.php?/pg/resdegs/rdc>

urren For further information on making an application,
please email: es.pg@lancaster.ac.uk

4. Other Stuff

- On 1 January 2006, the LOICZ International Project Office will be housed at the Institute for Coastal Research at GKSS in Geesthacht, Germany. The new office address and staff contact details are:

LOICZ IPO

GKSS-Forschungszentrum

Institute for Coastal Research

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D-21502 Geesthacht, Germany

Phone: +49 4152/87-2009

Fax: +49 4152/87-2040

E-mail: loicz.ipo@loicz.org

Web-site: www.loicz.org

NEW e-mail addresses of IPO staff:

Hartwig H. Kremer- hartwig.kremer@loicz.org

Martin Le Tissier- martin.letissier@loicz.org

Hester Whyte- hester.whyte@loicz.org

Maike Paul- maike.paul@loicz.org

- The deadline for submission of IPY Full Proposals has been set for January 31st, 2006. Please see: www.ipy.org where there is a link to Recent IPY Actions and Frequently Asked Questions for further, detailed information on submitting Full Proposals.
- NSF Releases Solicitation for IGERT Program. The NSF has

released a revised solicitation for the Integrative Graduate Education and Research Traineeship (IGERT).

www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06525.

- “Dear colleagues:

Best wishes for a happy New Year 2006.

I would like to take this opportunity to welcome Carlos Nobre as the New Chair of the IGBP-Scientific Committee, and to thank all of you for your support during my 4 years as Chair of the SC. I'd like, in particular to thank all the members of the SC, the Chairs of our Projects as well as the Officers and members of the different Project Offices all around the world. My particular thanks go to the IGBP Secretariat in Stockholm and to the two consecutive Executive Directors, Will Steffen and Kevin Noone, with whom I have been privileged to interact. I am also grateful to the Chairs and Directors of the ESSP (Diversitas, IHDP, WCRP) as well as the Chairs and Directors of the ESSP Joint Projects (including START) with whom it has been a pleasure to interact since the Amsterdam Conference. I wish Carlos much success in his new role.

Cheers, Guy P. Brasseur, Director
Max Planck Institute for Meteorology
brasseur@ucar.edu

- From the USA: Representative Bart Gordon, D-TN, introduced a bill to increase funding for basic research in the physical, mathematical sciences and engineering by 10

percent per year. The increases, if sustained, would lead to a doubling of the National Science Foundation budget within seven years. The bill would also provide 200 new awards per year to early-career researchers, with each award worth \$500,000 over five years, and it would establish graduate fellowships, with 5,000 fellowships a year for individuals studying in areas of national need.

- From the USA: Federal investment in research and development will hit another record high of \$134.8 billion in 2006 - an increase of \$2.2 billion, or 1.7 percent, over 2005. But 97 percent of the increase will go to just two areas: weapons development and human space exploration. All other federal R&D programs will collectively suffer a two percent cut in funding after adjusting for inflation. The American Association for the Advancement of Science called the 2006 budgets of many large federal science agencies "disappointing." The National Science Foundation won a small increase but still has less in real terms for research than the last three years, the Department of Energy Office of Science budget will fall, and despite a large increase in development funding, the Department of Defense's budget for basic research will decline. Leaving out development, federal funding for basic and applied research increases 1.8 percent to \$57 billion, but NASA's research on new spacecraft for the Moon and Mars missions take up the majority of the increase, leaving most research agencies with increases that fall behind inflation, or cuts. Even at NASA, the focus on new vehicles leaves many other research areas such as space science and the biological sciences with cuts.

- EGU Education Session
ES5 Education and Public Outreach in support of International Scientific Years. International scientific years, such as the International Polar Year, the International Heliophysical Year, the Electronic Geophysical Year and other efforts, have great potential for galvanizing global interest in geosciences. Each of the international years serves to coordinate and focus scientific work within the discipline, but also intend to communicate with, inspire and educate the public. Realizing the potential of these efforts requires coordination not only between scientists and educators, but also between nations. While scientific research is increasingly conducted through international collaborations, the education and public outreach community has been historically local and national in scope. This session will provide members an opportunity to learn more about the communication and education plans of the international years, find interdisciplinary and international collaborators, and highlight projects intended to support these efforts. See:
<http://www.copernicus.org/EGU/EGU.html>
A number of other educational sessions are also being planned for EGU 2006. We anticipate a lively and informative set of sessions addressing aspects of geoscience education around the world.
- Susan Buhr, University of Colorado
Tara Arctic **2007-2008** is a French based project relying on a polar schooner called "Tara". This IPY project is also part of a more global project called Tara Expeditions (<http://www.taraexpeditions.org>).
For Tara Arctic 2007-2008, the boat will undertake a two-

year Nansen-like crossing of the Arctic Ocean, drifting from north of Siberia to Fram Strait. The boat will be trapped in the ice and will provide a secure ice station reachable by aircraft and ice breaker. The project will communicate information about global climate change by providing a platform for scientists, artists, journalists, and opinion leaders. Footage of the Arctic will be distributed through web cams, daily Internet reports, and production of documentary films to highlight the arctic activities of the IPY such as DAMOCLES. The Tara Arctic 2007-2008 ice station will provide facilities for science fieldwork, in-situ observations, and maintenance possibilities for probes and/or automated buoys. The project is a third party of DAMOCLES but will welcome other programs on the ice station. Scientists interested participating in this project should contact: Christian deMarliave, E-mail: christian@taraexpeditions.org