

Issue 18

1. SOLAS NEWS

- Work continues on the SOLAS website (www.solas-int.org). We aim to make this website a resource for the community, so please have a look and send us feedback.
- The SOLAS Implementation Plans for Focus 1 and Focus 2 are now available online:
<http://www.uea.ac.uk/env/solas/SPIS/SPIS1.html>;
- The Focus 3 Implementation Plan is being jointly developed with IMBER and will be posted very soon.
- Look for issue number 3 of the SOLAS Newsletter in your mailbox in late March / early April. This issue concentrates on SOLAS Focus 1 science.
- In the fall, SOLAS Focus 3 science will be highlighted. If you are a Focus 3 researcher and wish to contribute (or you wish to nominate someone), contact us at jeff.hare@uea.ac.uk
- Publishing a SOLAS paper? Please include the word “SOLAS” within the abstract of your journal article to enable your national SOLAS coordinator and the International Project Office to credit your contribution. This registration method also enables us to readily keep track of the progress of SOLAS science.
- SOLAS Science 2007: The next SOLAS Open Science

Conference will held in Xiamen, China, **6-9 March 2007**.
More details to come.

2. CRUISE NEWS

- Tara Arctic 2007-2008 is a French project on the polar schooner "Tara". Information can be found at: www.taraexpeditions.org. For two years, the ship will be trapped in the ice and drift. The project will communicate information about global climate change by providing a platform for scientists, artists, journalists, etc. Footage will be distributed through web cams, daily Internet reports, and documentary films to highlight IPY. The project welcomes other programs on the ice station. Scientists interested participating in this project should contact: christian@taraexpeditions.org
- Opportunity for researchers to join the James Clark Ross in **Jan 2007** to the tip of the Antarctic Peninsula. Over 2 weeks, CTD stations on the continental shelf and slope, into the deep ocean on the Weddell Sea side. The PI's would be happy to accommodate additional projects where feasible. There may be spare berths. We are seeking hands to help with watchkeeping. Details: <http://www.uea.ac.uk/~e280/adelie.pdf>
Contact: Prof. Karen J. Heywood, k.heywood@uea.ac.uk
- UK-SOLAS Cruise in the Guardian newspaper
<http://education.guardian.co.uk/higher/research/story/0,,1708632,00.html>

3. MEETINGS / CONFERENCES OF INTEREST

- Southern Ocean Gas Exchange Experiment (GasEx III) Open Informational Meeting, 8:00-10:00 pm, **Wednesday, February 22**, at the Hawaiian Convention Center Room 317A, during the Ocean Sciences Meeting in Honolulu. We will discuss location, scientific mission, technical requirements, and ship(s) requirements.
Moderators: David Ho, david@ldeo.columbia.edu; Dick Feely, richard.a.feely@noaa.gov.
- Second Argo Science Workshop Venice, Italy **Wednesday March 15th- Saturday March 18th 2006** Program for the Second Argo Science Workshop can be viewed at www.argo.ucsd.edu;
<http://earth.esa.int/venice06/programme.html>
- 2006 AGU Joint Assembly. **The abstract submission deadline is March 1, 2006**
<http://submissions5.agu.org/submission/entrance.asp>
- 36th Annual International Arctic Workshop; Institute of Arctic and Alpine Research (INSTAAR); University of Colorado, Boulder; **16-18 March 2006**; Registration and **Abstract Deadline: 22 February 2006**
Contact: ArcticWS@colorado.edu ;
<http://instaar.colorado.edu/AW>
- The ORION Program is having a Design and Implementation Workshop in Salt Lake City from **March 27-31, 2006**. See:

www.orionprogram.org/

- 2nd Network Training Workshop on Mathematical Modelling of POPs Environmental Fate and Behaviour, **3rd - 4th April 2006**, University of Birmingham. Invitation for up to 10 young POPs researchers. Apply to S.J.Harrad@bham.ac.uk. The workshop is free. Attendees at this workshop may apply for up to £50 towards costs of their overnight accommodation and/or travel. Apply at www.gees.bham.ac.uk/research/popsnetwork/youngscientists.htm
- NERC Earth Observation Conference 2006, Dynamic Earth, Edinburgh, **21 June**. **Abstracts Deadline 9 March 2006**. THEME: Biodynamics: Modelling and Observation of the Biosphere. Please email abstract submissions to eoconf@nerc.ac.uk; <http://www.nerc.ac.uk/funding/earthobs/conference> <http://www.geos.ed.ac.uk/research/eo>
- The Shelf Seas - Present Understanding and Future Challenges University of Wales, Bangor **10-12 April 2006**. Themes: Physical processes/biological responses, Shelf Sea Fronts, ROFIs & Estuaries, Linking large scale circulation to small scale mixing, Observing and modelling Turbulence, Observing/forecast systems, Polar Shelves www.sos.bangor.ac.uk/coastal2006 ; coastal06@bangor.ac.uk
- Session on "Aquatic Microbial Communities as Sources and Sinks of Climate-active Gases" at the ASLO meeting in Victoria **June 4-9**. Organizers: James Christian,

jim.christian@ec.gc.ca; Patricia Yager, pyager@uga.edu;
<http://aslo.org/meetings/victoria2006/> Travel Grants
Available, Scientific Committee on Antarctic Research

- Open Science Conference, **12-14 July 2006**, Hobart, Tasmania **Application Deadline: Tuesday, 28 February 2006**. Contact: Chuck Kennicutt, m-kennicutt@tamu.edu; Applications are sought from students, post-docs, and investigators at U.S. institutions for partial travel support. Young investigators, students, and members of under represented groups are especially encouraged to apply. <http://usscar.tamu.edu/scarosc> ; Conference details can be found at: <http://www.scarcomnap2006.org/>
- Sessions of SOLAS interest at the 2006 Western Pacific Geophysics Meeting, Beijing, China, **24-27 July**. **16 March 2006 is the abstract deadline**
 - A07: Asian Dust & its Impacts on Climate & Biogeochemical Cycles
 - A12: Aerosol & Climate: Regional/Global Energy/Water Cycles
 - A14: China SOLAS Session: Asian Dust & Pacific Ocean Ecosystems
 - B07: Marine Biogeochemical Cycles of Trace Elements & Isotopes
 - H25: Coupled Biogeochemical Processes
 - OS06: Biogeochemical & Physical Variability of Indo-Pacific Basin
 - OS11: Biogeochemical Approach to Purposeful CO₂ Ocean Storage<http://www.agu.org/meetings/wp06>

- Sixth Annual Meeting of the European Meteorological Society, 6th European Conference on Applied Climatology, Ljubljana, Slovenia, 4-8 Sept 2006.
<http://meetings.copernicus.org/ems2006>
- Session "Interface processes between the Ocean, Atmosphere, Sea Ice, and Snow in Polar Regions" at IGAC/CACGP/WMO Symposium; Capetown in September 2006. The deadline for submission of abstracts is in March 2006. Conveners: Jan Bottenheim, Harry Beine, Paty Matrai, Paul Shepson www.OASIShome.net
- Announcement of Workshop on Sustained Indian Ocean Biogeochemical and Ecological Research (SIBER) that will be held Oct 3-6, 2006 in Goa, India at the National Institute of Oceanography. Raleigh R. Hood, Planning committee chair, rhod@hpl.umces.edu
www.ian.umces.edu/siber
- Rapid Climate Change International Science Conference 24 - 27 Oct 2006. Birmingham, U.K. Topics: Observations of the Atlantic THC, Paleo data on past rapid climate changes, Modelling of past and possible future rapid climate change, Impacts of rapid THC change on climate and weather, Probability of rapid climate change, Impacts on society.
www.rapid.nerc.ac.uk/rapid2006
- The Young Scientist Global Change Conference, Nov 7-8 Beijing, prior to the ESSP Conference. See: www.essp.org/essp/ESSP2006/
Applications should be submitted electronically to Amy Freise at ysc@agu.org no later than March 1st.

www.start.org/links/announce_oppo/YSC_Application.doc

- The 4th Gordon Research Conference on Biogenic Hydrocarbons and the Atmosphere will take place on **Feb 25 - Mar 2 2007**, in Ventura, CA. Please contact Nick Hewitt; n.hewitt@lancaster.ac.uk; Chris Geron; Geron.Chris@epamail.epa.gov; See www.grc.org
- IUGG XXIV General Assembly, Perugia, Italy, **2-13 July 2007**.
<http://www.iugg2007perugia.it/>

4. JOBS

- A post-doc in physical oceanography is sought to participate in a collaborative project between WHOI and MIT to evaluate and utilize emerging global ocean state analyses of ocean circulation and air-sea fluxes derived through observations and numerical models. The arctic and subarctic regions are now being targeted. Contact: sjayne@whoi.edu
- Post-doc opportunity to work with CBLAST data at the University of Connecticut. Term of 1-2 years and would allow a post-doc to work on any number of projects using the CBLAST data. Contact: Jim Edson; james.edson@uconn.edu
- Postdoc in Atmospheric Photochemistry at the University of Bristol - **closing date 23 February 2006**. Position to work with Andrew Orr-Ewing, Mike Ashfold and Dudley

Shallcross on the atmospheric photochemistry of formaldehyde.

<https://www.bris.ac.uk/boris/jobs/ads?ID=46414>

<http://www.chm.bris.ac.uk/pt/laser/>

Email: a.orr-ewing@bris.ac.uk

- Ten Postdoc Fellowships Available, University of Alaska Presidential IPY Postdoctoral Fellowship Program.
Application Deadline: Saturday, 1 April 2006.
<http://www.alaska.edu/swacad/postdoc/>
Awardees choose any campus: Fairbanks, Anchorage, or Juneau.
- School of Environmental Sciences, Earth System Science Coordinator position at the Univ. East Anglia, in the Earth system modelling group.
 1. GENIEfy: creating a Grid ENabled Integrated Earth system modelling framework (see: www.genie.ac.uk)
 2. Quaternary QUEST: Regulation of atmospheric CO₂ glacial-interglacial timescales/coupling to climate change.Contact: t.lenton@uea.ac.uk; **Closing date: 10 Feb 2006**
<http://www.uea.ac.uk/env/vacancies.html>
- The Scottish Association for Marine Science (SAMS) have recently been awarded a multi-million pounds package of funding that will see the appointment of 10 academic and 14 support staff over the coming months. For further information: www.sams.ac.uk/
- GENIE/PRISM Computational Scientist - Earth System Modelling, CGAM, Univ. Reading - **Closing Date: 17th Feb**

2006

http://ncas.nerc.ac.uk/opportunities/cgam_genie_feb_06.asp

- Chair in Climate Systems, Univ. Exeter - Engineering, Computer Science and Mathematics. **Closing date 20 Feb 2006**. Interactions between Atmospheric Radiation and Climate Change; Non-linear Dynamics of the Climate Systems; Multi-scale processes in the Earth System; and the Role of the biosphere in the climate system.
www.ex.ac.uk/jobs2006
- Postdoc, Coastal Ecosystem Modeling, Univ. Washington, School of Oceanography, "River Influences on Shelf Ecosystems" (see www.ocean.washington.edu/rise). **Review of applications will begin on March 1, 2006**. Information: parker@ocean.washington.edu
www.ocean.washington.edu/people/faculty/parker/
- The announcement for the 2006 POGO-SCOR Visiting Fellowships for Oceanographic Observations is now available at http://www.ocean-partners.org/POGO_SCOR_Fellowships.htm.
- Director of the European Institute for Marine Studies (IUEM), Brest- France. Contact: direction.iuem@univ-brest.fr
- QUEST Positions in Earth System Modelling. 20 positions include research, modelling and computational scientists and project management posts. The positions are to be held at institutions across the UK. Three posts based at

- CGAM in Reading, to build a new Earth System model - **closing date 17 Feb 06**; 17 posts in Quaternary Palaeodata and Palaeoclimate Modelling **closing date 24 Feb 06**; Info: <http://quest.bris.ac.uk/>
- Postdoctoral and PhD Positions Available in Adaptive Mesh Ocean Modelling - **closing date 1 March 2006**. Positions available at Imperial College London, the University of Reading and the National Oceanography Centre, Southampton.
<http://amcg.ese.ic.ac.uk/ResearchPositions/oceannew.html>
 - Florida State University (COAPS) announces 3 Postdoc positions Review of applications will begin after **March 1, 2006**. Contact: Eric Chassignet
 - Postdoc Fellowship Available - Southern Ocean Modelling Institut d'Astronomie et de Geophysique Georges Lemaitre Universite Catholique de Louvain, **Application Review Begins: 1 March 2006**.
www.astr.ucl.ac.be/index.php?page=JobSouthernOceanModelling
 - The Environmental Research Institute (ERI) in Thurso, Scotland offers a number of new positions. Full details at: erionline.co.uk and impacttheworld.co.uk. Contact: Stuart.Gibb@thurso.uhi.ac.uk;
 - Research Fellow / Senior Research Fellows; Post-Doc Research Associate – Biogeochemistry; Technicians / Laboratory technician, ICT Technician; PhD Studentship

Post-doc position in carbon cycle climate modelling is available at the Bjerknes Centre for Climate Research (BCCR). Contribute to the development of the Bergen Climate Model (BCM) to an earth system model including terrestrial and marine carbon cycle components. Research is part of EU Integrated Project CARBOOCEAN

<http://www.carboocean.org>. Contact:

christoph.heinze@gfi.uib.no

<http://www.bjerknes.uib.no/vacancies>.

5. FOR STUDENTS

- Reading University, Department of Meteorology - now advertising new studentships for the 2006 entry to PhD Programme in Atmospheres, Oceans & Climate. See: www.met.rdg.ac.uk/phd/
- Research Experience for Undergraduates (REU) in China, Summer 2006, 11 weeks, **Application Deadline: Friday, 10 March 2006**
http://www.clarkson.edu/projects/reushen/reu_china/
- Seek junior or sophomore science or engineering students for the NSF-REU program in marine science and engineering.
http://www.clarkson.edu/projects/reushen/reu_china/
- Ph.D. Studentship Available, British Antarctic Survey, University of Cambridge, **Deadline: 10 March 2006**. Contact: rro@bas.ac.uk

- Studentships starting in October investigating the role of dust input into the Southern Ocean for glacial-interglacial CO₂ changes. For details, see:
<http://www.nerc.ac.uk/funding/students/>
- 3rd Urbino Summer School in Paleoclimatology. Course will focus on major climate changes during the Cenozoic Era. Title: Dynamics and Evolution of Cenozoic Climate; Location: Urbino, Italy; Dates: **July 19-August 2, 2006**; Closing date for pre-registration: **March 15, 2006**; Closing date for application: **April 15, 2006**;
<http://www.uniurb.it/ussp>; Contact: ussp@uniurb.it
- There is a new NSF REU site at UCI with a focus on Biogeochemistry and Climate Change.
<http://www.ess.uci.edu/~jkmoore/ucireuhomepage.htm>

6. OTHER STUFF

- NASA Research Opportunities in Space and Earth Sciences (ROSES) Proposal Due Dates: Starting **April 14, 2006** through **February 10, 2007**. <http://nspires.nasaprs.com/>
- NSF IPY Solicitation Released **Target Date: Monday, 1 May 2006** (link through menu listings "Solicitations" to "Open Solicitations.").
www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06534
Supported IPY activities can be found at:
<http://www.nsf.gov/od/opp/ipy/ipyinfo.jsp>

- NOAA's new Climate Program Office (CPO), created in **October 2005**, integrates the Office of Global Programs, the Arctic Research Office, and the Climate Observations and Services Program and coordinates climate activities across all NOAA. <http://www.cpo.noaa.gov/index.jsp>
- The WMO issued a statement in December reporting on the status of the global climate based on observations from weather stations, ships and buoys - see www.wmo.ch/index-en.html
- The Council of the AGU adopted a statement in **Dec 2005** in response to a US Commission on Ocean Research blueprint. "... AGU urges immediate development of a comprehensive ocean policy with a holistic approach to ocean environmental health and resource sustainability....AGU urges the US government to adopt the Commission's recommendations with respect to ocean research, research infrastructure, and education. These recommendations should be implemented as soon as possible."
- On **22 Dec** the UN General Assembly adopted a Resolution to proclaim 2008 as the UN Year of Planet Earth. This UN Year is the core year of the 2007-2009 triennium during which the International Year of Planet Earth (Earth Science for Society) will operate. This will be the first ever UN Year for the Earth Sciences.
- AMS has made all of their online publications prior to 5 years ago open access. The date will roll forward every year.

<http://ams.allenpress.com/amsonline/?request=index>

- A new daily air-sea latent and sensible heat flux analysis for the global oceans with one-degree resolution is now complete for the period from 01/01/81 to 31/12/02. The product integrates satellite observations with surface moorings, ship reports, and atmospheric model reanalyzed surface meteorology, and is developed by the OAFlux project at WHOI. The data and the project information can be found at <http://oaflux.whoi.edu>.