

People

Peter Liss, Past Chair of the SOLAS Scientific Steering Committee (2001-2007) and former Chair of the Scientific Committee for the IGBP (1993-1997), formally received the Commander of the Order of the British Empire (CBE) from Prince Charles in March 2009. Peter was elected Fellow of the Royal Society in May 2008, and in June was on the Queen's birthday list of honours to receive the CBE for his services to science.



New Director of Communications at the IGBP Secretariat

In May **Owen Gaffney** joins IGBP as director of communications. Currently he is head of publications at the Natural Environment Research Council. NERC is the UK's largest funder of environmental science and makes substantial contributions to IGBP, largely through the SOLAS and GLOBEC programmes.



His background is in journalism and science writing. In what he feels is the dim and distant past he earned a degree in Aeronautic and Astronautic Engineering so when people ask if he is a scientist, he can truthfully say that he has a degree in rocket science. But it is not quite the same thing: it's engineering really.

For over ten years he has worked as a journalist, science writer and broadcaster. Within NERC he was the editor of the award-winning magazine *Planet Earth* and he recently launched the news site, Planet Earth online, www.planetearth.nerc.ac.uk. He has written for the BBC's Focus magazine and the American journal *Science*. He still occasionally writes for the Irish daily newspaper, the *Irish Examiner*.

He is very much looking forward to joining IGBP and moving to Stockholm. As environmental change continues to rise up the international agenda, the coming few years promise to be an

interesting and important time for this area of science and for IGBP.

E-mail: owen.gaffney@igbp.kva.se

New Executive Officer at IMBER

Lisa Maddison will take up the position of executive officer of IMBER at the end of April. She succeeds Sylvie Roy who has returned to Ottawa in Canada.

Lisa's background is in marine biology. She worked for several years as a researcher in the Marine Biology Research Institute at the University of Cape Town, and was involved with several projects relating to ecological processes and interactions and the sustainable utilization of intertidal resources. She has also worked as an environmental consultant. She writes: "One of the most exciting programmes that I worked on was the development of the Coastal Management Policy for South Africa. It was one of the first policy formulation processes that took into consideration the issues and values of the majority of South Africans. It was a wonderful process to be involved in, and the Integrated Coastal Management Act that culminated from the process is a really great piece of legislation."



She enjoys kayaking and cycling and is looking forward to doing both of these activities in Brest, on the Brittany coast of France, where the IMBER Core Project Office is located.

E-mail: lisa.maddison@univ-brest.fr

Pakistan NC translates the IGBP Science Plan into Urdu

Assistant professor Ghazala Nasim of Punjab University, Director Professor Dr. Rukhsana Bajwa, and Dr. Amir Mohammed, Rector of FAST National University of Computer and Emerging Sciences, have now completed a translation of the IGBP Science Plan (Report 55) into Urdu, the Pakistani national language.

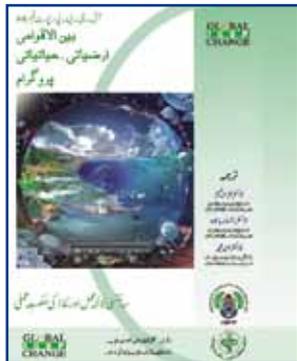
In translating IGBP titles the authors provide detailed information to the Pakistani scientific community on global change in general and the changing conditions in Pakistan in particular. The publication is also



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designed to help graduate and post-graduate students in the departments of environmental and other relevant sciences.

The announcement in the Punjab University Newsletter (Dec. 08) suggests that “we in Pakistan, categorizing our priorities, should award global environmental change a more central place in human affairs; thrust our science into the unfamiliar and uncomfortable role of a major player in a heated and potentially divisive international debate about the nature and severity of global change and its implications for ways of life.”



The report is dedicated to Waheeda Sultana (70 years old, shown in picture), mother of Ghazala Nazim, the lead translator. She had learned to use a laptop in order to type the IGBP manuscripts in Urdu.

The Urdu translation by the Punjab University Press is available at: <http://www.igbp.net/page.php?pid=222>

ICSU's former Executive Director chairs CGIAR Challenge Program

Thomas Rosswall, the former director and founder of IGBP, now chairs the Steering Committee of the CGIAR Challenge Programme “Climate Change, Agriculture and Food Security”



a major collaborative endeavour between the Consultative Group on International Agriculture Research (CGIAR) and their partners, and the Earth System Science Partnership (ESSP). The first meeting of the Steering Committee was held 29-30 April at ICSU in Paris.

Here he chats with Deliang Chen, his successor as Executive Director at ICSU.

New members IGBP Scientific Committees 2009 – 2011

Many new three-year terms started in January 2009: some members are new, and others have renewed their terms for another three years. We are pleased to welcome them all to the IGBP community, and thank them for the commitment they are willing to assume.

First, the Scientific Committee for the IGBP (SC-IGBP), the leading body for the programme, elected two new members and renewed four terms that begin this year. The SC-IGBP members are appointed by the International Council for Science (ICSU), our governing body.

IGBP Scientific Committee

Appointments renewed:

Chair: Carlos Nobre

Biosphere-atmosphere interactions, earth system science

Centro de Previsão de Tempo e Estudos Climáticos, Instituto Nacional de Pesquisas Espaciais Brazil

Vice Chair: Olga Solomina

Palaeoclimatology

Institute of Geography, Russian Academy of Sciences, Russia

Member: Henry Jacoby

Environmental economics

Joint Programme, Global Change, Massachusetts Institute of Technology, USA

New appointment:

Vice-Chair: Chen-Tung Arthur Chen

Chemical oceanography, biogeochemistry

SSC Member since 2008, Institute of Marine Geology and Chemistry, National Sun Yat-sen University, Taiwan

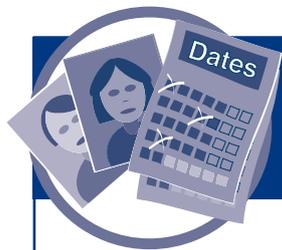
New SC Members:

Christiane Lancelot

Marine sciences, ocean-atmosphere interaction
Université Libre de Bruxelles, Belgium

Jan Willem Erisman

Atmospheric sciences, linking GEC science to policy
Energy Research Centre of The Netherlands



IGBP Core Projects

The Scientific Steering Committees (SSC) guide each Core Project. The members of these committees are appointed by the IGBP Officers (Executive group of the SC-IGBP) and the Chairs and Co-chairs are members of the SC-IGBP.

AIMES – Analysis, Integration and Modelling of the Earth System

New SSC Member:

Peter Cox

Climate system dynamics, modelling land-atmosphere interactions

School of Engineering Computing and Mathematics, Exeter University, United Kingdom

GLP – Global Land Project

Appointment renewed:

Chair: Anette Reenberg

Ecological cultural geography

Department of Geography, Geocenter Copenhagen, University of Copenhagen, Denmark

IGAC – International Global Atmospheric Chemistry

Co-Chair: Tong Zhu

Environmental chemistry, air-surface exchange of mass and energy

Cheung Kong Scholar Programme, Centre for Environmental Sciences, Peking University, China

New SSC Members:

Olga Mayol-Bracero

Analytical chemistry, atmospheric aerosols
Institute for Tropical Ecosystem Studies, University of Puerto Rico

Karla Longo

Atmospheric science, environmental model development

Space and Atmospheric Science Center, National Institute for Space Research–INPE, São José dos Campos, Brazil

Kobus Pienaar

Atmospheric chemistry, environmental management
Faculty of Natural Science, North-West University, Potchefstroom Campus, South Africa

iLEAPS – Integrated Land Ecosystem-Atmosphere Processes Study

New SSC Members:

Nobuko Saigusa

Boundary-layer meteorology, land-atmosphere interactions

National Institute for Environmental Studies, Tsukuba, Japan

Sonia I. Seneviratne

Land-climate interactions

Swiss Federal Institute of Technology (ETH), Zurich, Switzerland

IMBER – Integrated Marine Biogeochemistry and Ecosystem Research

New SSC Members:

Ken Drinkwater

Physical oceanography/marine ecosystem focus
Institute of Marine Research, Bergen, Norway

Eugene Murphy

Ecosystem modelling

British Antarctic Survey, Cambridge, United Kingdom

Hiroshi Ogawa

Marine biogeochemistry

Department of Chemical Oceanography, Ocean Research Institute, University of Tokyo

Katja Philippart

Marine ecology

Department of Marine Ecology and Evolution, Royal Netherlands Institute for Sea Research, Netherlands

Alberto Piola

Physical oceanography

Servicio de Hidrografía Naval, Dept of Oceanography, Buenos Aires, Argentina

Sinjaee Yoo

Biological oceanography

Marine Ecosystem Dynamics Laboratory, Korea Ocean Research and Development Institute, Republic of Korea.



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LOICZ - Land-Ocean Interactions in the Coastal Zone

New Chair: Alice Newton

Biological and chemical oceanography
University of Algarve, Faro, Portugal

New SSC members:

Zhongyuan Chen

Geomorphology
State Key Laboratory for Estuarine and Coastal Research, East China Normal University, Shanghai

Antonio Diegues

Anthropology
Research Center on Human Population and Environment, Universidade de Sao Paulo, Brazil

Remigius Laane

Marine biogeochemistry
Deltares, Marine and Coastal Systems Division, Delft, The Netherlands

Masumi Yamamuro

Marine geology, biogeochemistry
Department of Natural Environmental Studies, Graduate School of Frontier Sciences, University of Tokyo, Japan

PAGES – Past Global Changes

Co-Chair: Bette Otto-Bliesner

Palaeoclimate modelling
Climate and Global Dynamics Division, NCAR, USA

New SSC Members:

Fatima Abrantes

Paleoceanography
Marine Geology Dept., INETI, Portugal

Steven Colman

Geomorphology, limnogeology
Large Lakes Observatory & Dept. Geological Sciences, University of Minnesota Duluth, USA

SOLAS – Surface Ocean-Lower Atmosphere Study

New SSC Members:

Minhan Dai

Marine biogeochemistry
College of Oceanography & Environmental Science, Xiamen University, China

Cecile Guieu

Hydrology, biogeochemistry
Laboratoire d'Océanographie de Villefranche, Villefranche-sur-Mer, France

Patricia Quinn

Chemistry, atmospheric aerosols on climate and air quality
National Oceanic and Atmospheric Administration, Pacific Marine Environmental Laboratory, Seattle, United States

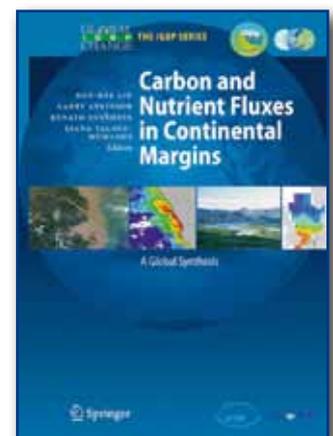
Rafel Simó

Marine biogeochemistry, chemical oceanography
Institut de Ciències del Mar, Barcelona, Spain

Products

Just published March 2009

Carbon and Nutrient Fluxes in Continental Margins: A Global Synthesis, by Liu, K.-K.; Atkinson, L.; Quiñones, R.; Talaue-McManus, L. (Eds.) Global Change - The IGBP Series, Springer, 2009, XII, 500 p. 278 illus., 90 in color. Hardcover, ISBN: 978-3-540-92734-1.

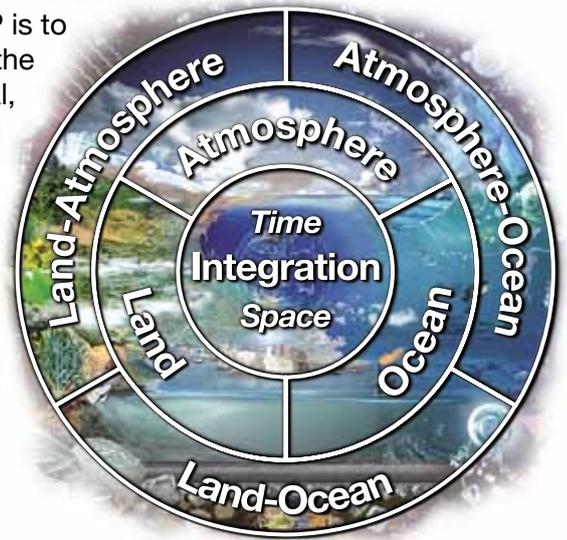


The book is the result of collaboration between the Joint Global Flux Study (JGOFS) and Land-Ocean Interactions in the Coastal Zone (LOICZ) projects through the Continental Margins Task Team (CMTT) and is written by 188 contributors.

IGBP scientists get a 10% discount. To order books at 10% discount, please send your order to Maurer@Springer.de Please note that the subject line should read: "IGBP series 10% discount". See also: <http://www.springer.com/earth+sciences/oceanography/book/978-3-540-92734-1>

The International Geosphere-Biosphere Programme

IGBP is an international scientific research programme built on inter-disciplinarity, networking and integration. The vision of IGBP is to provide scientific knowledge to improve the sustainability of the living Earth. IGBP studies the interactions between biological, chemical and physical processes and human systems, and collaborates with other programmes to develop and impart the understanding necessary to respond to global change. IGBP research is organised around the compartments of the Earth System, the interfaces between these compartments, and integration across these compartments and through time.

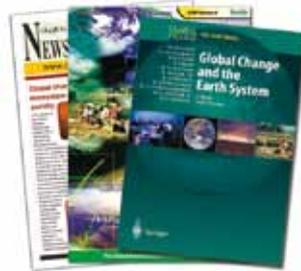


IGBP helps to

- develop common international frameworks for collaborative research based on agreed agendas
- form research networks to tackle focused scientific questions and promote standard methods
- guide and facilitate construction of global databases
- undertake model inter-comparisons
- facilitate efficient resource allocation
- undertake analysis, synthesis and integration of broad Earth System themes

IGBP produces

- data, models, research tools
- refereed scientific literature, often as special journal editions, books, or overview and synthesis papers
- syntheses of new understanding on Earth System Science and global sustainability
- policy-relevant information in easily accessible formats



Earth System Science



IGBP works in close collaboration with the International Human Dimensions Programme on Global Environmental Change (IHDP), the World Climate Research Programme (WCRP), and DIVERSITAS, an international programme of biodiversity science. These four international programmes have formed the Earth System Science Partnership (ESSP). The International Council for Science (ICSU) is the common scientific sponsor of the four international global change programmes.

Participate

IGBP welcomes participation in its activities – especially programme or project open meetings (see meetings list on website). To find out more about IGBP and its research networks and integration activities, or to become involved, visit our website (www.igbp.net) or those of our projects, or contact an International Project Office or one of our 74 National Committees.

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Contributions

The Global Change NewsLetter primarily publishes articles reporting science undertaken within the extensive IGBP network. However, articles reporting interesting and relevant science undertaken outside the network may also be published. **Science Features** should balance solid scientific content with appeal to a broad global change research and policy readership. Articles should be between 800 and 1500 words in length, and be accompanied by two or three figures or photographs. Articles submitted for publication are reviewed before acceptance for publication. Items for the **IGBP Network News** may include letters to the editor, short announcements such as new relevant web sites or collaborative ventures, and meeting or field campaign reports. These items should not exceed 250 words.

Photographs should be provided as TIFF or high resolution JPG files; minimum of 300 dpi. Other images (graphs, diagrams, maps and logos) should be provided as vector-based EPS files to allow editorial improvements at the IGBP Secretariat. All figures should be original and unpublished, or be accompanied by written permission for re-use from the original publishers.

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