



Canadian National Committee for SCOR
Comité national canadien pour SCOR

Scientific Committee on Oceanic Research

CANADIAN OCEAN SCIENCE NEWSLETTER LE BULLETIN CANADIEN DES SCIENCES DE L'OCÉAN

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Global Ocean Ecosystem Dynamics (GLOBEC) Program activities in 2008

GLOBEC is now well-into its Integration and Synthesis phase, and a full calendar of activities are scheduled for 2008. These include:

ESSAS (Ecosystem Studies of Sub-Arctic Seas)

A series of ESSAS workshops is planned for 15-19 September 2008 in Halifax, Nova Scotia, in association with the 2008 ICES Annual Science Conference. The workshops will include sessions on predicting future climates in the ESSAS regions, advective processes, on assessing the best approaches to using models for comparing the ESSAS regions and their responses to climate change. Please see the GLOBEC web site www.globec.org for more information.

A special ESSAS session will be held at the 2008 Ocean Sciences Meeting in Orlando, Florida, USA, titled "Climate impacts on sub-polar seas: mechanisms of change and evidence of response" organised by George Hunt, Jr., Ken Drinkwater, Jeff Napp and Erica Head. The schedule is at: <http://www.sgmeet.com/aslo/orlando2008/sessionschedule.asp?SessionID=034>

A special issue of Deep-Sea Research II edited by George Hunt, Ken Drinkwater, Skip McKinnell and Dave Mackas has been published as a result of the ESSAS symposium on "Climate Variability of Sub-Arctic Marine Ecosystems" which was held in Victoria, Canada in May 2005. See the journal web site for the table of contents.

ICES-GLOBEC Cod and Climate Change Programme (CCC)

The CCC project will hold a Workshop on Cod and Future Climate Change from 24-26 May 2008 in Gijon, Spain, convened by K. Drinkwater (Norway), J. Dippner (Germany) and C. Schrum (Norway). For further information contact Keith Brander (keith@ices.dk). In addition, the ICES/GLOBEC Working Group on Cod and Climate Change will meet 22-23 May 2008, in Gijon, Spain, chaired by Geir Ottersen (Norway) and Kai Wieland (Denmark).

SO GLOBEC

A special Southern Ocean GLOBEC session will be held at the 2008 Ocean Sciences Meeting in Orlando, Florida, USA, 2-7 March 2008, titled "Synthesis of coupled physical-ecosystem dynamics and linkages to environmental forcing on event to climate scales", and organised by Enrique Curchitser, Hal Batchelder, Eileen Hofmann and Cabell Davis. See the link below for the schedule: <http://www.sgmeet.com/aslo/orlando2008/sessionschedule.asp?SessionID=052>

SPACC (Small Pelagics and Climate Change)

A synthesis book of the SPACC programme entitled "Climate change and small pelagic fish" and edited by Dave Checkley, Juergen Alheit, Claude Roy and Yoshioki Oozeki is due to be published in 2008 by Cambridge University Press. The book includes 16 chapters and has been authored by 88 scientists. If you are interested in purchasing a copy at a reduced cost please contact the GLOBEC IPO (globec@pml.ac.uk).

Effects of climate change on the world's oceans

This symposium, co-sponsored by GLOBEC, PICES, ICES and others will bring together results from observations, analyses and model simulations at a global scale, and will include discussion of climate change scenarios and the possibilities for mitigating and protecting the marine environment and living marine resources. The symposium web site is at:

http://www.pices.int/meetings/international_symposia/2008_symposia/Climate_change/climate_background_3.aspx

Eastern boundary upwelling ecosystems symposium

An international symposium on Eastern boundary upwelling ecosystems: integrative and comparative approaches, co-sponsored by GLOBEC/IMBER/SOLAS/EUR-OCEANS/IRD, will be held 2-6 June at Las Palmas, Gran Canaria, Spain. For further details see the webpage:

<http://www.upwelling-symposium.org/>

Symposium on “Coping with global change in marine social-ecological systems”

An international symposium on "Coping with global change in marine social-ecological systems" will be held 8-11 July 2008 at FAO Headquarters in Rome, Italy, co-sponsored by GLOBEC/FAO/EUR-OCEANS and convened by Ian Perry, Rosemary Ommer and Philippe Cury. The central goals of the symposium are to build relationships across natural and social science disciplines in regards to marine ecosystem changes, and to identify key next steps and common elements and approaches that promote resilience of marine social-ecological systems in the face of global changes. Details on abstract submission (deadline 1 February 2008) and registration (early registration until 1 April 2007) are available from the conference website:

<http://www.peopleandfish.org/>

Symposium on “Linking herring”

The linking herring conference, sponsored by GLOBEC, ICES and PICES and convened by Maurice Clarke, Mark Dickey-Collas and Aril Slotte will be held 26-29 August 2008, in Galway, Ireland. For further details see: <http://www.linkinherring.com/>

ASLO Summer Meeting 8-13 June 2008

There will be a special GLOBEC session at the 2008 ASLO Summer Meeting entitled “Basin-scale effects of climate change on North Atlantic marine ecosystems” organised by Roger Harris, Peter Wiebe and Brad de Young. See the meeting website for further details:

<http://aslo.org/stjohns2008/program.html>

2007 A.G. Huntsman award presented to Dr. Thomas Kiørboe



The A.G. Huntsman Foundation is pleased to announce that the winner of the 2007 A.G. Huntsman Award is Dr. Thomas Kiørboe from the Danish Institute of Fisheries Research, Charlottelund Castle, Denmark. The medal was presented by Dr. Andrew Miall, President of the Academy of Sciences of the Royal Society of Canada, during a special ceremony held at the Bedford Institute of Oceanography in Dartmouth, Nova Scotia on Wednesday 21 November 2007.

Dr. Kiørboe holds a Ph.D and a Dr. Scient from the University of Copenhagen. He is a member of the Royal Danish Society of Science and Letters, the Danish Academy of Natural Sciences and the European Union Network of Excellence in Climate and Marine Research. He is listed as “Highly Cited Author” by the Institute of Scientific Information and is on the editorial board of 5 international scientific journals.

Dr. Kiørboe, the thirty-first recipient of the A.G Huntsman Award, is recognized world-wide for his original and provocative thinking that has led to pioneering contributions in many areas of marine ecology. He developed innovative approaches for field, laboratory and modeling studies of how micro-scale physical processes interact with the responses of individual marine organisms to generate observed patterns in populations and food webs. He is a major intellectual force in the difficult but essential business of linking processes from the small to large scales. His work in other areas, such as larval fish metabolism and the impact of food quality on consumers, has had major and lasting impacts, in some cases helping to spur the development of new research areas such as ecological stoichiometry. Overall, Thomas Kiørboe has played a major role in changing the way scientists view the field of plankton ecology.

Le Prix A.G. Huntsman 2007 présenté au Dr. Thomas Kiørboe

La Fondation A.G. Huntsman est heureuse d’annoncer que le lauréat 2007 de la médaille Huntsman est le Dr. Dr. Thomas Kiørboe de l’institut danois de recherche sur les pêches, Charlottelund Castle, Danemark. La médaille a été présentée par le Dr. Andrew Miall, Président de l’académie des sciences de la société royale du Canada, pendant une cérémonie spéciale tenue à l’institut océanographique de Bedford à Dartmouth, N-É., mercredi le 21 novembre 2007.

Le Dr. Kiørboe détient un Ph.D et un Dr. Scient de l’université de Copenhagen. Il est membre de la société royale danoise des sciences et lettres, de l’académie danoise des sciences naturelles et du réseau d’excellence en recherche sur la climat et les sciences marines de l’union européenne. Il est listé comme auteur très cité par le ‘Institute of Scientific Information’ et est sur le comité éditorial de 5 journaux scientifiques internationaux.

Le Dr. Kiørboe, le 31ème lauréat de la médaille Huntsman, est reconnu mondialement pour son originalité qui a mené à des contributions pionnières dans plusieurs domaines de l'écologie marine. Il a développé des approches novatrices sur le terrain, en laboratoire et via la modélisation pour étudier les interactions à l'échelle microscopique entre les processus physiques et les réponses des organismes individuels marins, et montrer comment ces interactions génèrent des patrons observés au niveau des populations et des réseaux trophiques. Il est une force intellectuelle majeure dans un domaine difficile mais essentiel : lier les processus des petites aux grandes échelles. Ses travaux dans d'autres domaines, tel que le métabolisme des larves de poisson et l'impact de la qualité de la nourriture sur les consommateurs, ont eu des impacts scientifiques majeurs et durables, dans certains cas participant au développement de nouveaux domaines de recherche tel que la stoichiométrie écologique. En résumé, les travaux du Dr. Thomas Kiørboe ont changé la perception qu'ont les scientifiques de l'écologie du plancton.

Ian Perry becomes new chair of the international GLOBEC program



Dr. Ian Perry has become the new Chair of the GLOBEC Scientific Steering Committee, replacing Dr. Francisco Werner whose 6 year term had come to an end. Ian will serve as the Chair of the IGBP/SCOR/IOC Global Ocean Ecosystem Dynamics (GLOBEC) program from now until its completion in early 2010. Please see the accompanying article for a brief update of on-going GLOBEC activities.

Ian obtained his B.Sc. in Zoology and Ph.D. in Zoology and Oceanography with Dr. Timothy Parsons at the University of British Columbia in Vancouver. Upon completion, he worked as a Fisheries Oceanographer with Canada's Department of Fisheries and Oceans in the Marine Fish Division at the Biological Station in St. Andrews, New Brunswick. He spent seven years in St. Andrews, working and building collaborative programs between fisheries scientists and oceanographers, focusing on the Scotian Shelf, the Gulf of Maine, and Georges Bank. Work in these regions brought Ian into joint programs with the U.S. National Marine Fisheries Service and other scientists at Woods Hole, MA, which led to his involvement in the circulation and biological modelling studies funded in the first U.S. GLOBEC program, on Georges Bank.

Ian moved to the Pacific Biological Station (PBS), Nanaimo, B.C., in 1991. He currently conducts research on the influence of the environment on fish distributions and recruitment in the Pacific, and research on the structure, function, and processes of fish production in marine ecosystems. He developed a framework to provide stock assessment advice for new and developing fisheries, and presently conducts the stock assessments for green sea urchins along the B.C. coast. Recently, he has begun exploring ecosystem-based approaches to the study and management of marine systems in B.C.

Ian's collaborative projects among fisheries scientists and oceanographers brought increasing involvement with international programs such as GLOBEC and the North Pacific Marine Science Organisation (PICES). He served on the Scientific Steering Committee for the Canada

GLOBEC program, and was a member of the Executive Committee of the PICES Climate Change and Carrying Capacity (CCCC) program. He was also the Vice-Chair of the IGBP/SCOR/IOC GLOBEC program during its first six years, served as the first chair of its Focus 1 Working Group on retrospective analyses and time series studies, and presently serves as co-chair of GLOBEC's Focus 4 Working Group on the human dimensions of marine ecosystem changes. Ian has just completed a 6 year term as a Regional Editor for the journal *Fisheries Oceanography*, and has taught courses on fisheries oceanography at universities in Canada, Chile, and Portugal. He is looking forward to the opportunities and challenges of guiding the IGBP/SCOR/IOC GLOBEC program through its final years to its completion in 2009/2010.

Dick Hallgren Symposium on International Cooperation

Report from Geoff Holland, hollandg@sympatico.ca

The American Meteorological Society held its 88th Annual Conference in New Orleans, January 20 - 24, 2008 in New Orleans. One of the special events was the Dick Hallgren Symposium on International Cooperation, which took the form of several themes, each with invited panelists and a moderator. Amongst the invitees were Canadians Gord McBean, moderating the Panel on "Future of International Cooperation in Observing Systems", and Geoff Holland who was the ocean panelist for the theme "History and Current Status of International Cooperation in Atmospheric and Ocean Sciences". The special symposium was split over the first two days of the AMS Conference.

Second Workshop on Sustaining Arctic Observing Networks

The second workshop on Sustaining Arctic Observing Networks will be held on 9-11 April 2008, in Edmonton, Alberta, and will address the question: How will Arctic observing and data and information management activities be coordinated and sustained over the long-term?

Attendance is open to representatives of organizations with an interest in sustained arctic observations. The number of participants will be limited to approximately 200. Speakers will be selected by invitation, however poster contributions from all participants are welcome. Abstracts from invited and contributing authors will form part of the workshop documentation. The deadline for early registration is Monday, 3 March 2008, but organizers request notification of intent to attend as early as possible at: SAON2@ualberta.ca.

Plenary and break-out sessions include:

- Earth Observation Platforms
- Community-based Observations
- Coordination of International Arctic Observing Networks and of National Funding (governments and agencies)
- Operational Observing
- New and Emerging Technologies
- Integration Across Networks and Modeling - Observations, Modeling, and Data Management

Information about the conference program, registration, hotel booking, and travel advice will be provided at: <http://www.arcticobserving.org> The first workshop was held in Stockholm, Sweden, on 12-14 November 2007, and addressed the question: Are current Arctic observing and data and information management activities sufficient to meet users' needs? A third workshop is planned for 15-17 October 2008, in Helsinki, Finland. Reports from the first workshop and announcements and documentation for all three workshops are available at: <http://www.arcticobserving.org>.



Call for Nominations: 2008 A.G. Huntsman Award

The Huntsman Award was established in 1980 to honour individuals of any nationality who have had and continue to have a major influence on the development of marine science. The award for 2008 will be in the field of **Physical and Chemical Oceanography**, which should be interpreted broadly to encompass patterns and processes at all scales ranging from micro- to global scales and from the near shore to the deep ocean. The deadline for receipt of nominations is **March 15 2008**. Nominations may be submitted by mail, fax or e-mail (see below). An electronic version of this call and the nomination form can be found on the Huntsman website at: www.HuntsmanAward.org.

Nominees must meet the basic criteria of outstanding scholarship and excellence of contributions to marine sciences. Nominees should be actively involved in research programs and currently providing major leadership in their field. They must have demonstrated a major influence on the development of marine scientific thought and should be anticipated to continue having influence in the years to come. Thus, the **A.G. HUNTSMAN AWARDS** are targeted at marine scientists near the midpoint of their careers and whose reputation and outstanding contributions place them in the forefront of their field. As a guideline, we are seeking nominees whose postdoctorate research career to date has been of order of 15-30 years. The Awards are not intended to be for lifetime achievements.

The A.G. Huntsman Foundation recognizes the importance of interdisciplinary work in Marine Science. Therefore nominations are encouraged where the nominee's primary contribution is in the field of Physical and Chemical Oceanography and exceptional contributions have been made across two or more marine science disciplines or at the interface between oceans and other natural systems.

Please consider preparing a nomination for a colleague who you feel meets the criteria. Upon completion the nomination form is expected to be of order of 2-5 pages. If you do submit a nomination, please be sure to include a full curriculum vitae and publication list. Supporting letters or abbreviated nominations from 1-3 colleagues are desirable and can be provided as part of the nomination or submitted separately.



Appel de candidatures: Prix A.G. Huntsman 2008

Ce prix a été créé en 1980 afin de récompenser des scientifiques de toute nationalité qui ont eu, et qui continuent d'exercer, une importante influence sur l'évolution des sciences de la mer. Le Prix pour 2008 sera dans le domaine de **l'océanographie physique et chimique**, qui devrait être interprété largement comme comprenant les patrons et les processus à toutes les échelles, allant des échelles microscopiques à globales et du milieu côtier à l'océan profond. Nous vous serions gré de nous faire parvenir vos propositions de candidature (par voie postale, télécopieur ou courriel) au plus tard le **15 mars 2008**. Les nominations peuvent aussi être préparées et soumises via le site internet de la fondation Huntsman (www.HuntsmanAward.org).

Les candidats à ce prix doivent répondre à des critères de base, soit le caractère exceptionnel des recherches et l'excellence des contributions aux sciences de la mer. Ils doivent participer activement à des programmes de recherche et faire la preuve qu'ils exercent une grande influence dans l'élaboration de concepts scientifiques en sciences de la mer, influence qu'ils doivent perpétuer au cours des prochaines années. Par conséquent, le Prix A.G. HUNTSMAN vise les spécialistes des sciences de la mer qui sont arrivés à mi-chemin dans leur carrière et dont la réputation et les contributions remarquables les placent au premier rang dans leur discipline. Nous recherchons des candidats en carrière en recherche depuis 15-30 années. Ce prix n'est donc pas conçu pour couronner l'œuvre de toute une vie.

Le Prix A.G. Huntsman reconnaît l'importance des recherches pluridisciplinaires en sciences de la mer. Par conséquent, nous encourageons les candidatures pour lesquelles le champ d'expertise principal est l'océanographie physique et chimique et qui incluent des contributions exceptionnelles couvrant deux disciplines ou plus.

Nous vous incitons à présenter la candidature d'un collègue qui, selon vous, répond aux critères de sélection. Le formulaire de présentation de candidatures est joint à cet envoi. Une fois complété, le formulaire devrait faire de 2 à 5 pages. Si vous soumettez une candidature, n'oubliez pas d'inclure le curriculum vitae et la liste des publications du candidat. Des lettres d'appui ou des propositions abrégées de la part de 1 à 3 collègues peuvent être incluses dans la proposition ou soumises séparément.

Nominations for CMOS Awards

It is time to think about nominations for oceanographers for various CMOS awards; the deadline is February 15, 2008. See <http://cmos.ca/awards.html> for details on the various awards and the "call" for nominations for this year. In some years CMOS awards, for eligible ocean scientists, have not had any nominations; e.g. the Tully Medal, and the Prize in Applied Oceanography. A list of past winners is listed at <http://cmos.ca/pastaw.html>. Oceanographic nominations are encouraged for the Tully Medal, the Prize in Applied Oceanography, the President's Prize, Graduate Student Prizes, the Roger Daley Postdoctoral Publication Award, and Environmental Citations.

Another category for prestigious recognition by CMOS is that of electing CMOS Fellows. The deadline for nominations is March 15, 2008. Details on nominations and past elections may be found at: <http://www.cmos.ca/fellows.html>. The March 15, 2008 deadline is also applicable for

the Neil J. Campbell Medal for Exceptional Volunteer Service, see:

[http://www.cmos.ca/prizese.html#h\)%20The%20Neil%20J.%20Campbell%20Medal%20for%20Exceptional](http://www.cmos.ca/prizese.html#h)%20The%20Neil%20J.%20Campbell%20Medal%20for%20Exceptional)

Finally, CNC/SCOR through CMOS, provides a NSERC Scholarship supplement annually in the amount of \$5,000.00 for each of two years to a deserving student in ocean science. The submission deadline for the award is April 15, 2008 (see http://www.nserc.ca/sf_e.asp?nav=sfnave&lbi=2b_4 for details).

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Previous newsletters may be found on the CNC/SCOR web site.
Les bulletins antérieurs se retrouvent sur le site web du CNC/SCOR.

Newsletter #35 will be distributed on March 19, 2008. Please send contributions to dick.stoddart@sympatico.ca
Bulletin #35 sera distribué le 19 mars 2008. Veuillez faire parvenir vos contributions à dick.stoddart@sympatico.ca

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