



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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SCOR Working Group 125, “Global Comparisons of Zooplankton Time Series”

Updated Status Report from Dave Mackas, mackasd@pac.dfo-mpo.gc.ca

Most members attended the second WG 125 meeting, held 4-7 December 2006 in Miraflores Peru, prior to the Humboldt Current Symposium. Many were also able to participate in a brief supplementary WG meeting, held 26-27 May 2007 in Hiroshima Japan, prior to the 4th International Zooplankton Production Symposium. The Hiroshima Symposium also saw 14 papers authored/coauthored by WG125 members presented in the first of 10 topic sessions (“Global comparison of zooplankton time series”; convened by WG members Mackas and Valdes).

There were two main discussion topics during the May 07 WG meeting. The first was development and testing of “tool kit” software and statistical methodologies for calculating seasonal climatologies (and anomalies relative to these) for our variety of spatial and temporal sampling designs (single location time series vs. line transects vs. irregular grids within statistical regions). We now have access to three long zooplankton data sets with very high temporal resolution (Plymouth L4, Helgoland Roads, and Bay of Naples). By comparing complete vs. decimated versions of these time series, we expect to be able to evaluate which averaging methods are most robust to data gaps.

The second topic was where and how to present and publish our final working group results. We confirmed that the date and venue will be May 2008 in Gijon Spain, to coincide with the upcoming Symposium on “Effects of Climate Change on the World’s Oceans”, co-sponsored by SCOR, IOC, WCRP, ICES, PICES, and GLOBEC. Prior to the Symposium, we plan a 2-3 day final WG meeting at the Instituto Espanol de Oceanografia (home institution for WG members Valdes and Lopez-Urrutia). During the Symposium, we will present one jointly-authored summary paper in the Symposium plenary session on Impacts on Marine Ecosystems, and also request a half day workshop session on zooplankton time series. Papers on this topic will be collected for a special issue of *Progress in Oceanography* (editor-in-chief Cisco Werner has given us pre-approval for a special issue to appear in late 2008, and Pierre Pepin has agreed to serve as arms-length guest editor for the issue).

Eddy Carmack Awarded the 2007 Massey Medal

Reprinted by permission of Monique Roy-Sole, Canadian Geographic, July/August 2007

For his leading role in ocean science, Eddy Carmack has been awarded the 2007 [Massey Medal](#) for outstanding achievement in Canadian geography. Established by Governor General Vincent Massey in 1959, the award is administered by The Royal Canadian Geographical Society. A climate oceanographer with Fisheries and Oceans Canada in Sidney, B.C. at the Institute of Ocean Sciences, Eddy is an internationally respected expert on the Arctic Ocean. Over the past four decades, he has participated in more than 60 field studies in Western Canada, Siberia, Antarctica and the Arctic, including the first scientific crossing of the Arctic Ocean via the North Pole.



A creative thinker, Dr. Carmack has a knack for making science accessible. As a volunteer on Students on Ice expeditions to the Arctic and Antarctica, he has introduced teenagers to the complexities of ocean currents by having them drop beer bottles into the water to see where they end up (see "Message in a bottle," *Canadian Geographic*, [July/Aug 2006](#)). "He got the students switched on to ocean currents," says Geoff Green, executive director of Students on Ice. "He was explaining climate change to students way before it became the big issue that it is today."

For International Polar Year, Eddy Carmack is embarking on the most ambitious study yet of Canada's oceans. Scientists aboard two icebreakers will document the oceans' physical properties, such as currents, and life forms ranging from bacteria to whales. They will travel a 12,000-kilometre course, from Victoria through the Northwest Passage to Halifax. Their goal is to develop a large-scale picture of the ecosystems in the Arctic and subarctic seas. Geographic research usually implies things terrestrial, explains Carmack. "What we're exploring is a part of Canada that is very poorly explored. It's almost like the last wilderness area of the world ocean."

[ArcticNet, Fourth Annual Scientific Meeting](#)

The fourth [ArcticNet](#) Annual Scientific Meeting (ASM2007) will be held from December 11 - 14, 2007 at the [Blue Mountain Resort](#) in Collingwood, Ontario

The ASM is the major ArcticNet networking event of the year. Being the only occasion for the entire ArcticNet community to meet face-to-face, the meeting is the ideal venue to present research results (oral and poster presentations), hold project and theme workshops, and stimulate networking and partnership activities.

The meeting is open to anyone with an interest in the impacts of climate change in the Canadian Arctic and the work of ArcticNet and its partners. We welcome the participation of scientists, policy and decision makers, representatives of government and non-government organizations, and media.

Building on the success of previous Annual Scientific Meetings, we expect over 350 participants, with a great balance of senior researchers, students, partners and other participants from coast to coast to coast. Over 170 papers (oral and poster) representing all fields of Arctic research will be presented during the four-day meeting.

Arctic Council Working Group meeting of PAME

Contribution from Geoff Holland, hollandg@shaw.ca

Representatives from the Arctic countries met in Reykjavik, September 26 and 27, 2007 at an Arctic Council Working Group meeting of PAME (Protection of the Arctic Marine Environment), currently chaired by Chris Cuddy (DIAND). The meeting was preceded (September 24) by a Workshop on the Regional Programme of Action (RPA) that is being reviewed by PAME as part of its work program. The RPA is the regional response to the Global Programme of Action (GPA) on the Land Based Sources of Marine Pollution. The eight Arctic Countries had signed the original agreement in 1998 and wished to have it brought up to date in the light of new events, policies and priorities. The activity is being led by Canada and Iceland and the Workshop was jointly chaired by Hugi Olafsson (Iceland) and Peter Farrington (Environment Canada). The impact of global warming on the social, economic and environmental situation in the north was one of the most dominant concerns of participants. It was realised that the RPA was but one of the many governmental structures needed to protect the arctic marine environment from anthropogenic sources and that other regional actions would eventually be needed to address marine transportation, offshore resource development and fisheries. Other Canadian participants included Anne Blauvelde (Canadian Ambassador to Iceland), Maureen Copley (EC), Renee Sauve (DFO), Derek Mahoney (DFO), Ross MacDonald (TC) and Geoff Holland (consultant). The results of the Workshop will be used to draft potential changes to the existing RPA that will then be brought back to PAME for review and forwarding on to Senior Arctic Officials and to the Arctic Ministers.

CALL FOR PAPERS: CZC 2008

October 31, 2007 is the deadline for submitting abstracts to Coastal Zone Canada 2008, scheduled for 25-29 May 2008 in Vancouver, British Columbia. The Conference will be preceded by a Youth Forum on 23-25 May. The agenda will look at the advances and the setbacks in our understanding and management of coastal and ocean systems, both in Canada and globally. The Conference will also establish recommendations and actions for the immediate future and for the next thirty years -

http://www.czca-azcc.org/html/conferences/czc08_papers.html.

ATMOSPHERE-OCEAN invites submissions

Report by Asselin, Richard, AsselinR@DFO-MPO.GC.CA

The editors of ATMOSPHERE-OCEAN (<http://www.cmos.ca/pubs.html#Atmosphere-Ocean>) wish to remind readers that our Canadian journal is not limited to physical oceanography, but will also consider papers in chemical, biological and interdisciplinary oceanographic topics. Furthermore, A-O now has a second section highlighting applied research (in both meteorology and oceanography). A-O does not have a backlog of articles, so that publication can be achieved in as few as 6 months from initial submission. ATMOSPHERE-OCEAN has a good impact factor, occasionally ranking in the top ten oceanographic journals, according to ISI Citation Index reports.

Authors who are tempted to publish in journals that do not have page charges should consider that their library may no longer be able to buy subscriptions to these journals because they generally have very high subscription fees. On the other hand, A-O operates on a non-profit basis; its page charges are \$85 per page and subscription \$125, very modest costs.

Back Issues of OCEANOGRAPHY

FREE TO GOOD HOME. Back issues of OCEANOGRAPHY magazine, Vol 1, No 1 (July 1988) to Vol 19, No. 4 (Dec 2006) - missing only Vol 12, No. 1 and Vol 17, No. 4. Contact Paul LeBlond at leblond@gulfislands.com

The Sangster Award

The Canadian National Committee for CODATA (CNC/CODATA) is accepting applications for The Sangster Award. This award, valued at Can. \$3000, will enable a graduate student enrolled in a Canadian University, or a graduate who has completed his or her graduate degree within 3 years of the application deadline, to attend and present their work at the 21st International CODATA Conference, Scientific Information for Society – from Today to the Future, 5-8 October 2008, Kyiv, Ukraine.

It is expected that the award winner's field of study will support the general objectives of CODATA, namely, to help foster and advance science and technology through developing and sharing knowledge about data and data-related activities. **The deadline for Applications is March 31st, 2008.** For application guidelines and award details:

<http://www.codata.org/canada/sangster> For Conference details <http://www.codata.org> and follow the posted links.

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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 #33 will be distributed on December 6, 2007. Please send contributions to dick.stoddart@sympatico.ca
Bulletin #33 sera distribué le 6 décembre 2007. Veuillez faire parvenir vos contributions à dick.stoddart@sympatico.ca

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