



CANADIAN OCEAN SCIENCE NEWSLETTER

LE BULLETIN CANADIEN DES SCIENCES DE L'OCÉAN

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The 2013 Eastern Lecture Tour

Dr. Susan Allen will talk at Eastern Centres between the 18 and 22 November.

Title: From Dynamics to Hindcasting to Prediction: A Coastal Bio-Physical Model Does it All.

Abstract: What causes the interannual variability in phytoplankton growth and timing, in nutrient levels and in pH in a coastal ocean? How has that changed in the past? Can we predict what will happen this year? These types of questions can be answered by coupled biological-chemical-physical models provided they contain the physical oceanography that causes interannual variations and the biology and chemistry that determine the impacts on phytoplankton and on carbon.

Designed for deep estuaries, SOG is such a model. As models go, it is simple: a one-dimensional, vertical model with all two-dimensional processes parameterized. In order to constrain and evaluate coupled bio-chem-physics models, detailed knowledge of the system is needed. The Strait of Georgia is an excellent test-bed: a deep estuary in British Columbia that has been observed, studied and modelled over many years with a large surrounding population interested in its health. This talk will present the basis of the SOG model and then highlight two applications: 1) the prediction (and hindcast) of the spring phytoplankton bloom and 2) the processes driving the seasonal and interannual variation of pH in the Strait.

Professor Susan Allen is a physical oceanographer. Trained as a physicist, applied mathematician and fluid dynamicist, her early, and one of her continuing focuses is the dynamics of rotating flow over topography with particular emphasis on submarine canyons. Using theory, laboratory experiments, numerical simulations and collaborating with observationalists she has generated an overall picture of the pattern and strength of upwelling over submarine canyons. By invitation from a International Science Council's Scientific Committee for Oceanographic Research (SCOR) working group she co-wrote a review paper on the role of submarine canyons in ocean/shelf exchange. Her other major area of research is the biological, physical and chemical processes in the upper water column of the

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The Canadian National Committee of the Scientific Committee for Oceanic Research (CNC-SCOR) fosters and facilitates international cooperation. It is a non-governmental body that reflects the multi-disciplinary nature of ocean science and marine technology.

Le Comité national canadien du Comité scientifique de la recherche océanographique (SCOR) favorise et facilite la coopération internationale. Il reflète la nature multidisciplinaire de la science océanique et de la technologie marine.

Strait of Georgia for which her group produces predictions for timing of the spring phytoplankton bloom each year. She was the recipient of the 2013 Francois Saucier Prize in Applied Oceanography.

Susan Allen was a member of the steering committee of Canada GLOBEC, has sat on a number of CMOS committees including current membership on the Science Committee and is a member of the Neptune Scientific Advisory Committee. She has held a faculty appointment at UBC since 1990 where she teaches physical oceanography, ocean and atmosphere dynamics and numerical techniques.

Schedule:

City	Date	Location
Montréal	Monday 18 Nov 2:00 PM	UQAM, President Kennedy building, room PK-7605
Québec	Tuesday 19 Nov 11:00 AM	ULaval, Pavillon Alexandre-Vachon, room 3068
Ottawa	Wednesday 20 Nov 12:00 PM	Rideau Canal Junior Ranks Mess, 4 Queen Elizabeth Dr.
Halifax	Thursday 21 Nov 10:00 AM	BIO, Needler Boardroom, room VS427
Halifax	Thursday 21 Nov 3:30 PM	Dalhousie U., LSC building, room 3655
St. John's	Friday 22 Nov 3:00 PM	MUN, Chemistry-Physics building, room C2045

Call for Session Proposals for the 2014 Congress of the Canadian Meteorological and Oceanographic Society

The 48th CMOS Congress will be held at the Hôtel Rimouski, in Rimouski, Quebec, 1-5 June 2014. More detailed information will be posted as it becomes available on the Congress website at <http://www.cmos.ca/congress2014/index.php/en/>

The theme of this congress is *Northern Exposure: The implication of changes in cold environments*, and scientific sessions are being invited on this theme but also for all areas of interest to CMOS.

At this time, we are inviting interested persons to propose and to take the lead on organizing any special session or workshop of interest to you, particularly on topics related to the Congress theme which focusses on natural and anthropogenic change in cold environments. Session organizers are expected to recruit participants and to chair the session. Sessions will be organized into 1½-hour blocks of six 15-minute presentations. Organizers may choose to allocate 30-minutes for a lead speaker and four 15-minute presentations. Multiple 1½-hour sessions are welcome if the number of submitted abstracts warrants it.

To plan a special session for the 2014 Congress, please submit your proposal through <https://www1.cmos.ca/abstracts>. The proposal should include the *session title* (up to 40 characters), information about the session convener or co-convenors, and a short paragraph of up to 300 words describing the scientific content of the session. All session proposals should be received by 15 November, 2013. On-line abstract submissions will then be accepted between 15 January and 15 February 2014.

Scientific and plenary sessions of the Congress will take place from Monday, 2 June through Thursday, 5 June, 2014. In addition, time and venue space have been set aside on Sunday, 1 June for related workshops, business meetings, courses and other Congress-related events, as well as an icebreaker reception to be held that evening. Parties interested in making such arrangements should contact Scientific Program Committee Chair Michael Scarratt (Michael.Scarratt@dfo-mpo.gc.ca).

Appel pour des propositions de sessions pour le congrès de la Société canadienne de météorologie et d'océanographie 2014

Le 48^{ième} congrès de la SCMO aura lieu à l'Hôtel Rimouski, à Rimouski, Québec, du 1^{er} au 5 juin 2014. De plus amples renseignements seront publiés à mesure de leur disponibilité sur le site Web du congrès à <http://www.cmos.ca/congress2014/index.php/fr/>

Le thème de ce congrès est *Le Nord vulnérable : Implication des changements dans les environnements froids* et vous êtes invités à proposer des sessions scientifiques portant sur le thème du congrès mais également sur tous les domaines d'intérêt de la SCMO.

Aujourd'hui, nous invitons les personnes intéressés à proposer et à organiser une session spéciale ou un atelier d'intérêt pour vous, en particulier sur des sujets liés au thème du Congrès qui met l'accent sur les changements naturels et anthropiques dans les environnements froids. Les organisateurs de session seront responsables du recrutement des participants à leur session et agiront comme président. Les sessions seront organisées en blocs d'une heure et demie comprenant six présentations de 15 minutes. Les organisateurs pourront choisir d'allouer 30 minutes pour un conférencier thématique, et quatre présentations de 15 minutes. Plusieurs sessions d'une heure et demie sont possibles si le nombre de résumés soumis le justifie.

Pour proposer une session lors du congrès de 2014, veuillez soumettre votre proposition via notre page web <https://www1.cmos.ca/abstracts>. La proposition doit inclure le *titre de la session* (jusqu'à 40 caractères), des renseignements sur le président et co-président, ainsi qu'un court paragraphe (jusqu'à 300 mots) décrivant le contenu scientifique de la session. Toutes les propositions de session doivent être reçues au plus tard le 15 novembre 2013. La soumission en ligne des résumés se fera ensuite entre le 15 janvier et le 15 février 2014.

Les sessions scientifiques et plénières du congrès auront lieu du lundi 2 au jeudi 5 juin 2014. En outre, des créneaux horaires et des locaux ont été réservés le dimanche 1^{er} juin pour les ateliers associés, les réunions d'affaires, les cours de formation et autres événements reliés au congrès, de même que la tenue d'un cocktail de bienvenue en soirée. Les personnes voulant profiter de cette journée afin de tenir une réunion sont invitées à communiquer avec le président du comité du programme scientifique, Michael Scarratt (Michael.Scarratt@dfo-mpo.gc.ca).

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