

Minutes
AGM for CNC/SCOR
Monday, May 28, 2007, 9:05 – 12:10 at the CMOS Congress
Delta St. John's Hotel and Conference Centre

The meeting was convened at 9:05.

1. Welcome and Introductions

Attending: Gordon McBean, Allyn Clarke, Bjorn Sundby, Dick Stoddart, Rob Macdonald (by conference call), Paul Myers, Kim Schmidt (part time, for Leah Braithwaite), Susan Allen (by conference call), Yves Gratton (part time, by conference call), Dave Barber, Jinyu Sheng

Regrets: Brad de Young, Ian Perry, Maurice Levasseur, Christine Michel, Mike Stacey, Suzanne Roy, Ian Rutherford

2. Approval of 2007 Agenda

The draft agenda, sent to members on April 23, 2007, was approved subject to the addition of a couple of new items, namely 7viii Natural and Human-Induced Hazards, and 8iv Marine Sciences Geophysics.

3. Approval of May 28, 2006 Draft Minutes

The last CNC/SCOR AGM was held on May 28, 2006 in Toronto. The minutes of that meeting were distributed to members on June 2, 2006. No editorial changes to those draft minutes were suggested. It was **moved** by Bjorn Sundby, **seconded** by Jinyu Sheng that the draft minutes be adopted. **Carried.**

4. Review of 2006/2007 Actions

Most actions from the May 28, 2006 meeting were covered within the appropriate agenda items of this meeting. A status report on all the May 28th action items was provided to members in advance of the meeting. Issues requiring updates included:

- (i) The Chair will contact Peter Nicholson and/or Elizabeth Dowdeswell with the aim of exploring the possibility that the Scientific Advisory Board of the Council of Canadian Academies will examine various issues of CNC/SCOR concern in marine sciences, including such issues as marine environment / fisheries interactions, marine prediction in the offshore, marine services to ocean industries, and level of financial resources available in marine science. **Action: Gordon McBean.**
- (ii) Allyn Clarke will endeavor to write a short article for the Newsletter on key international programs in which Canadian oceanography must be included as a fundamental partner. **Action: Allyn Clarke.**
- (iii) It was noted that Jinyu Sheng had previously provided a Newsletter article on generic Dalhousie marine science programs. He agreed to provide a follow-up article which would profile more specific research programs associated with his group; such an article

might prove to be a catalyst for the future submission of similar articles from other university ocean scientists. **Action: Jinyu Sheng.**

- (iv) Leah Braithwaite reported that she would continue efforts to expand Newsletter contributions to include those from ocean policy makers. **Action: Leah Braithwaite.**
- (v) Leah Braithwaite will continue efforts to assess how best to entrain the interests of students in the various aspects of CNC/SCOR, including its Newsletter. **Action: Leah Braithwaite.**

5. CNC SCOR Finances

- (i) **CNC/SCOR revenues and expenses.** The CNC/SCOR surplus stands at \$49.9K (includes funds transferred from defunct CNC/ECOR). Income for CNC/SCOR in 2006/2007 was \$20K. Expenses for CNC/SCOR in 2006/2007 were:

- Travel		
	CNC/SCOR AGM	\$ 3.5K
	CNC/SCOR at IOC	\$ 0.8K
	CNC/SCOR Tour Speakers	\$ 5.3K
	International SCOR AGM	\$ 2.6K
- Scholarships		\$ 10.0K
- Secretariat Services		\$ 1.0K
	Total	\$ 23.2K

Expenses were slightly less than anticipated due to (a) about \$1.5K less than forecast costs to attend the SCOR AGM in Chile, (b) deferral of the February 2007 lecture tour of Rob Macdonald to the fall of 2007, and (c) deferral of a web services invoice to later in 2007. We expect that our surplus funds will continue to be drawn down in the coming years. Once our tour speakers settle down to 2/year we should have a more stable year-to-year budget.

- (ii) **Agreement with DFO.** The agreement between DFO and CMOS for continuing funding support through 2007/2008 has been completed.
- (iii) **Agreement with NRC.** The agreement between NRC and DFO, for NRC to pay the international SCOR fees (currently at \$US 19.1K for 2007), was renewed by NRC in 2005. It is valid for 5 years, ending in 2010.

6. CNC/SCOR Issues and Activities

- (i) **Remarks from CNC/SCOR Chair.** Gordon McBean noted that while he was able to represent CNC/SCOR on the Canadian Delegation to the IOC, because of the pressure of other issues he was not able to attend the SCOR Annual Meeting in Chile. He thanked Allyn Clarke for filling in for CNC/SCOR at the last moment by attending the Chile meeting. In order to maintain profile with DFO, it was agreed that a brief meeting should be sought by Gordon McBean and Bjorn Sundby with Wendy Watson-Wright, subsequent to the Bergen SCOR meeting, to debrief DFO on SCOR concerns, ongoing programs and new initiatives. **Action: Gordon McBean, Bjorn Sundby.**

- (ii) **Web site.** The CNC/SCOR web site (www.cncscor.ca) has been checked periodically for dead links. Several items on the web site are now somewhat dated; an overall review is required by the Secretary to eliminate some of the old material. Major items added since last year include: all CNC/SCOR Canadian Ocean Science Newsletters, international news, results from the Chile international SCOR meeting, summaries of all SCOR related programs, some new photos for the Canadian oceanographic photo archive, and ocean science theses titles/authors from various Canadian universities.
- (iii) **Newsletter.** Currently there are 410 subscribers. Mainly, the Newsletter had sufficient coverage and content, with:
- publication approximately every 6-8 weeks,
 - approximately 10 pages in length,
 - about 10-12 articles per issue,
 - contributors from DFO, universities and the private sector, and
 - feedback from subscribers that the Newsletter was welcome and interesting.

Every issue seems to be a challenge to have sufficient content to warrant maintaining the Newsletter. The previous suggestion to remind CNC/SCOR members of the date of the next issue has provided some relief in that the reminder has often generated a few last minute articles.

It was noted that the quadrennial report for IAPSO, prepared for CNC/IUGG, was nearing completion. These reports are usually fairly lengthy, up to 50 pages. It was suggested that the Secretary contact Bill Crawford to see if some portion of the report, either by summary or by splitting the report into several components, might be amenable to publication in the CNC/SCOR Newsletter. **Action: Dick Stoddart.**

- (iv) **Ocean Science Theses.** Canadian university contacts have all been approached to update their listings of university PhD and MSc ocean science theses. The web site now contains all listings received from this canvas. The Secretary is following up with delinquent responders (Dalhousie, Quebec Ocean) in an attempt to have as complete a listing as possible.

Previously it had been suggested that graduate students might be encouraged to provide a short write-up on their theses results, in language understandable to the scientific community in general, for use in the CNC/SCOR Newsletter. In fact this had been tried by Paul Meyers, but there had been no resultant follow-on by the community. It was agreed that the thought was still valid, in terms of informing the community on research results and in self-advertising for recent graduates, and should be tried again. **Action: CNC/SCOR University Members.**

- (v) **Lecture Tour.** CNC/SCOR sponsored lecture tours have included:

	Tour speakers going west	Tour speakers going east
2005	Marlon Lewis	Philippe Tortell
2006	Kevin Lamb	Andy Bush
2007	Erica Head	Rob MacDonald

It was agreed that the *ad hoc* tour speaker committee (Susan Allen, Paul Myers, Jinyu Sheng, Bjorn Sundby, Gordon McBean) would remain in place to select the 2008 tour

speakers. The Secretary will canvas members for the names of possible new lecture tour speakers and convene the *ad hoc* committee to discuss and select the 2008 speakers.
Action: Dick Stoddart, *ad hoc* lecture tour committee. It was noted that the timing of the tour speaker might in some instances be better in the April/May period rather than the February/March time frame.

- (vi) **Oceanographic Photos.** There are 47 photos currently (May 2007) in the on-line archive of Canadian oceanographic photographs. To see the latest additions visit www.cncscor.ca and look for the entry listed as “Historical Oceanographic Photos”. The site has a dedicated search engine to better help find individuals. This initiative was advertised again in the March 2007 CNC/SCOR electronic newsletter and the April 2007 CMOS Bulletin. There has been no response to these recent initiatives.
- (vii) **Scholarship Supplement.** In 2006 CNC/SCOR established, and presented, a new NSERC Scholarship Supplement for Ocean Sciences in the amount of \$5,000/year to a deserving student for a period of two years. For the 2nd competition just completed there was just one submission in ocean sciences. The CNC/SCOR supplement will be awarded at the CMOS Congress; the winning candidate is unable to be present in person to accept the award. An alternate to accept the award on behalf of the winner is being pursued. It was agreed that members should be more diligent in future years to disseminate more widely the availability of this Supplement so as to encourage more submissions for consideration. Paul Myers noted that he had previously tried to compile a contact list for graduate studies (Deans, executive secretaries, etc.) in universities having marine science programs. It was felt that, once completed, such a list would be an excellent starting point to alert the community on a timely basis of the existence and nomination procedure/deadline for the CNC/SCOR Supplement. Paul Myers agreed to complete such a list over the course of the summer and provide it to CNC/SCOR for their use.
Action: Paul Myers.
- (viii) **Membership.** In reviewing the membership of CNC/SCOR:
- it was noted that Allyn Clarke had been extended for 3 years (2007, 2008, 2009), Paul Myers had become a regular member (2007, 2008, 2009), and Yves Gratton had become the *ex-officio* member on behalf of the CMOS Scientific Committee.
 - it was agreed to extend the terms for an additional 3 years for David Barber, 2007, 2008, 2009 and Dick Stoddart 2008, 2009, 2010.
 - it was noted that replacements would have to be found for members whose terms expired in 2006, namely Christine Michel, Maurice Levasseur and Brad de Young.
 - it was noted that replacements would have to be found for those members who complete their second three-year term at the end of 2007, namely Susan Allen and Rob Macdonald.

With the above changes noted, the CNC/SCOR membership is presently:

Gordon McBean, Chair, UWO, 2006, 2007, 2008
Bjorn Sundby, Past Chair, UQAR 2003, 2004, 2005, 2006, 2007, 2008
Susan Allen, UBC, 2002, 2003, 2004, 2005, 2006, 2007
Rob Macdonald, DFO/IOS, 2002, 2003, 2004, 2005, 2006, 2007
Jinyu Sheng, Dalhousie, 2003, 2004, 2005, 2006, 2007, 2008
David Barber, Manitoba, 2004, 2005, 2006, 2007, 2008, 2009

Allyn Clarke, DFO/BIO, 2004, 2005, 2006, 2007, 2008, 2009
Paul Myers, UofA, 2007, 2008, 2009
Dick Stoddart, Secretary, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010
Ian Rutherford, *ex-officio*, (CMOS)
Ian Perry, *ex-officio*, DFO/PBS, (GLOBEC)
Mike Stacey, *ex-officio*, RMC (IAPSO)
Leah Braithwaite, *ex-officio*, DFO/HQ
Yves Gratton, *ex-officio*, INRS (CMOS Scientific Committee)

It was agreed that all members would consider making suggestions for new CNC/SCOR members to fill the vacancies noted above, keeping in mind needed balances in geography and discipline, and especially looking for prospective members who would be active participants in maintaining and expanding CNC/SCOR initiatives. **Action: All Members.** It was suggested that a (formal) student member would be a valuable addition to the membership of CNC/SCOR. Members should identify any such proactive student that might join CNC/SCOR, even if it were just for 1-2 years. **Action: All Members.**

“Nominated Members” to international SCOR from Canada are Bjorn Sundby, Rob Macdonald and Gordon McBean.

The CNC/SCOR Executive Committee remains as Gordon McBean, Bjorn Sundby and Dick Stoddart.

7. SCOR International

- i. **Remarks from SCOR President.** Bjorn Sundby updated members on recent events and concerns of international SCOR, including: preparations for the 2nd Symposium on the Ocean in a High CO₂ World (Monaco, Sept. 29 – Oct.1, 2008); the results of the Summit of International Marine Research Projects held in London in December 2006; and the formation of a SCOR Committee on Capacity Building aimed at developing a long term strategy for capacity building in marine science, coordinating SCOR’s capacity building efforts, raising visibility and funds for capacity building efforts, strengthening partnerships, advancing Regional Schools of Oceanography, and attempting to build a roster of eminent scientists with a passion for capacity building. He also noted that the 50th anniversary of SCOR would be celebrated at the 2008 SCOR meeting at Woods Hole; the meeting will be held in conjunction with a planned conference on The Changing Ocean, from Past to Future.

With respect to the efforts of SCOR capacity building, it was noted that a questionnaire had just been received from the SCOR Executive Director, polling “nominated members” on the capabilities and requirements of developed and developing countries. It was agreed that Bjorn Sundby would respond to the questionnaire on behalf of CNC/SCOR. In doing so, he would canvass a few key Canadian experts (such as Paul Samson, CIDA and Jean Lebel, IDRC) to ensure a comprehensive response. **Action: Bjorn Sundby.**

- ii. **Existing SCOR Working Groups** The status of all existing SCOR Working Groups (WG) was provided to members prior to the meeting via a detailed annotated agenda. It was noted that a potential source of articles for the CNC/SCOR Newsletter lay with Canadians associated with active SCOR Working Groups. It was agreed that CNC/SCOR members would approach these Canadians with a view to preparing an appropriate article sometime in the future; e.g. there is no particular urgency to prepare an article, just a commitment to prepare an article sometime in the next 1-2 years. CNC/SCOR members agreed to contact the Canadian WG members to try to obtain such a commitment, along with an estimate of the timeframe for the preparation of such an article. The roster of agreed CNC/SCOR contacts is as follows:

	Canadian Member	Action: CNC/SCOR Member
WG 115	Erika Head	Allyn Clarke
WG 119	Villy Christensen	Susan Allen
WG 121	Chris Garrett	Rob Macdonald
	fallback; Barry Ruddick	Allyn Clarke
WG 122	Ray Cranston	Allyn Clarke
WG 124	Roger Francois	Susan Allen
WG 125	David Mackas	Rob Macdonald
WG 126	Curtis Suttle	Susan Allen
WG 127	Dan Wright	Allyn Clarke
WG 128	Denis Gilbert	Bjorn Sundby
WG 129	Gordon Swaters	Paul Myers

The membership and terms of reference of these SCOR Working Groups may be found at: <http://www.jhu.edu/~scor/wkgroups.htm>

- iii. **SCOR Scientific Committees; e.g. GLOBEC, GEOHAB, etc** SCOR has been instrumental in the planning and coordination of large-scale ocean research projects for long-term, complex activities. SCOR provides a mechanism to bring together international scientists for this purpose. Details on each of these programs (GEOHAB, GEOTRACES, GLOBEC, IMBER, SOLAS) may be found at <http://www.scor-int.org/lgscale.htm> including details on membership, sponsors and terms of reference. It was noted that these programs had been the subject of articles by Canadians in the CNC/SCOR Newsletter, with the exception of SOLAS. Dave Barber will contact Maurice Levasseur to solicit a short article on C-SOLAS. **Action: Dave Barber.**
- iv. **SCOR Affiliated Programs; e.g. IMAGES, IOCCG, etc.** SCOR has developed a process for affiliation of research programs and long-term study committees with SCOR. SCOR does not provide financial support to these programs, but affiliation may increase a program's international visibility and access to scientists in SCOR member nations, as well as providing the benefit of SCOR advice on program committees and activities. Each affiliated program is reviewed for continued affiliation at each SCOR General Meeting and affiliation is terminated at the end of 10 years. Details on the current affiliated programs, Census of Marine Life (CoML), International Antarctic Zone Program (iAnZone),

International Marine Global Change Study (IMAGES), International Ocean Colour Co-ordinating Group (IOCCG), International RIDGE Studies (InterRidge), may be found at <http://www.scor-int.org/coop.htm>

- v. **2006 SCOR Annual Meeting.** The 2006 SCOR Annual Meeting was held in Concepción, Chile on October 23-26, 2006. Allyn Clarke represented CNC/SCOR at the meeting. Bjorn Sundby also attended in his capacity as SCOR President. Allyn's full report on the meeting was provided to members via the December 2006 CNC/SCOR electronic Newsletter.
- vi. **2007 SCOR Executive Meeting.** The 38th SCOR Executive Committee Meeting will take place in Bergen, Norway from Sunday, 26 August through Tuesday, 28 August 2007. National Committees for Oceanic Research and other international organizations are invited to be represented at the meeting at their own expense. Bjorn Sundby will attend the meeting as SCOR President (his expenses will be paid by international SCOR). It was agreed that Gordon McBean should attend the meeting on behalf of Canada. **Action: Gordon McBean.**
- vii. **New SCOR Working Groups.** Three new proposals will be considered at the 2007 SCOR Executive Committee meeting in Bergen, Norway. These proposals are now available at <http://www.scor-int.org/2007EC/2007EC.htm> Comments on these proposals are due by July 1, 2007. The proposals are:
 - a. [Proposal for SCOR Working Group on Land-based Nutrient Pollution and the Relationship to Harmful Algal Blooms in Coastal Marine Systems](#)
 - b. [Proposal for a SCOR Working Group on The Legacy of in situ Iron Enrichment: Data Compilation and Modeling](#)
 - c. [Proposal for a SCOR Working group on the Coral Triangle: The centre of maximum marine biodiversity](#)

Members discussed how best to solicit Canadian reviews of these three Working Group proposals. Several possible reviewers were mentioned: for "(a)" Kim Schmidt and Susan Allen each suggested a name; for "(b)" it was suggested that the reviews from last year would suffice since this was a resubmission of the same proposal as last year; and for "(c)" Jinyu Sheng, Bjorn Sundby and Allyn Clarke each suggested they might be able to solicit Canadian reviewers. It was agreed that potential reviewers should be contacted by CNC/SCOR members directly and request reviews be sent to the Secretary before the end of June. **Action: Kim Schmidt, Susan Allen, Jinyu Sheng, Bjorn Sundby, Allyn Clarke and any other member should they be able to identify a reviewer within the next few weeks.** The Secretary will in turn forward the reviews as a package to international SCOR for their use in the Bergen meeting this summer. **Action: Dick Stoddart.**

With respect to possible new working group proposals for next year, it was suggested that the previous idea to have a WG proposal on freshwater in the Arctic has likely been overtaken by events – namely ongoing IPY programs. Dave Barber mentioned that a future working group on organics in the Arctic might be timely.

- viii. **Natural and Human-Induced Hazards.** Gordon McBean reported on an upcoming new ICSU initiative on Natural and Human-Induced Hazards. The program is expected to be similar, by way of example, the WCRP in scope and size. Overall sponsorship of the program is not decided as of yet; e.g. discussions are underway with UNESCO and its IOC, WMO and International Social Sciences Council (ISSC) and endorsement of the UN International Strategy for Disaster Reduction. The program is expected to have a significant oceans component.

8. Inter-Relationships Between SCOR and CMOS

(i) Accounting, Secretariat, Web Site, Annual Report

- The CMOS office looks after revenues and expenses for CNC/SCOR. While this is not too onerous a task, a dozen or so transactions per year, the service is very much appreciated, particularly since the CNC/SCOR accounts are included in the formal annual audit of CMOS.
- While most secretariat functions are handled by the CNC/SCOR Secretary, the CMOS office helps significantly in several areas, such as the receipt of invoices, arrangements for conference calls, and liaison with DFO and NRC on the renegotiation of formal agreements.
- CMOS, through the very reliable and proactive efforts of Bob Jones, hosts the CNC/SCOR web site.
- CMOS, through their Annual Review, publishes the annual CNC/SCOR report.
- CNC/SCOR attracts members to CMOS and Congresses through co-location of meetings, publication of CMOS activities events through its electronic Newsletter, and promotion of ocean science nationally and internationally through channels not normally within the CMOS mainstream.

- (ii) **CMOS Awards.** In some previous years CMOS awards for eligible Canadian oceanographers have gone un-awarded due to lack of nominations. It was agreed that the practice should continue of CNC/SCOR members ensuring that nominations are put forward to ensure recognition of deserving oceanographers.

- (iii) **Congresses.** With the 2008 Congress being held in Kelowna, British Columbia CNC/SCOR members should consider any appropriate means to assist the Congress Scientific Committee to ensure interesting and comprehensive oceanographic coverage in the program. Previous suggestions included organizing sessions at CMOS with themes based on SCOR co-sponsored international projects, e.g. IMBER, GEOTRACES, or maybe more importantly based on SCOR working group topics as they reach their final stage. CMOS Congress still tends to be primarily 'physical'. When interdisciplinary sessions are organized they tend to be well attended; here is a potential role for CNC/SCOR to continue serving.

- (iv) **Marine Sciences Geophysics.** Paul Myers reported on a new initiative, namely the formation of the Canadian Societies for Earth System Science (CSESS). CSESS is a committee constituted by and reporting to the Canadian National Committee for the International Union of Geodesy and Geophysics (CNC/IUGG). An important goal of CSESS is to facilitate exchange amongst Canadian geophysical societies whose activities are aligned with the international associations comprising the IUGG, not the least of

which includes IAPSO. The Chair will alternate between the two largest society members, CMOS and CGU.

9. Timing and Location of Future Meetings of CNC/SCOR

It was agreed that the next CNC/SCOR AGM would be held in Kelowna in conjunction with the 2008 CMOS Congress. A conference call of CNC/SCOR members will be held on an “as needed” basis between AGMs.

10. Other Business

There was no other business identified.

11. Adjournment

The meeting was adjourned at 12:10.