

Minutes
AGM for CNC/SCOR
Sunday, May 25, 2008, 9:05 – 13:05 at the CMOS Congress
Kelowna, Grand Okanagan Lakefront Resort and Conference Centre

The meeting was convened at 9:05.

1. Welcome and Introductions

Attending: Gordon McBean, Bjorn Sundby, Dick Stoddart, Alfonso Mucci, Bill Crawford, Denis Gilbert (part time), Philippe Tortell, Rob Macdonald (observer), Paul Myers, Helen Joseph, Bob Jones (part time), Neil Campbell (observer)

Regrets: Allyn Clarke, Ian Rutherford, Jinyu Sheng, Ian Perry, David Barber, Yves Gratton

2. Approval of 2008 Agenda

The draft agenda, sent to members on April 2, 2008, was approved

3. Approval of May 28, 2007 Draft Minutes

The last CNC/SCOR AGM was held on May 28, 2007 in St. John's, Newfoundland. The minutes of that meeting were distributed to members on May 31, 2007. No editorial changes to those draft minutes were suggested. It was **moved** by Bjorn Sundby, **seconded** by Helen Joseph that the draft minutes be adopted. **Carried.**

4. Review of 2007/2008 Actions

Most actions from the May 28, 2007 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. Ongoing issues, not covered elsewhere in the minutes, include:

- (i) The Chair will continue efforts, likely through formal avenues of appropriate federal government departments, to explore the possibility that the Scientific Advisory Board of the Council of Canadian Academies might 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) 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. He reiterated by email prior the this meeting that he still would undertake the preparation of such an article when time permits. **Action: Jinyu Sheng.**
- (iii) Helen Joseph noted that she would continue efforts, previously being undertaken by Leah Braithwaite, to expand Newsletter contributions to include those from ocean policy makers. **Action: Helen Joseph.** Helen also agreed to continue efforts to assess how best to entrain the interests of students in the various aspects of CNC/SCOR, including its Newsletter. **Action: Helen Joseph.**

5. CNC SCOR Finances

- (i) **CNC/SCOR revenues and expenses.** The CNC/SCOR carry over funds stand at \$49.6K (includes funds transferred from the defunct CNC/ECOR). Income for CNC/SCOR in 2007/2008 was \$20K. Expenses for CNC/SCOR for 2007/2008 were:

- Travel	
CNC/SCOR AGM	\$ 3.0K
CNC/SCOR Tour Speakers	\$ 7.1K
International SCOR Ex. Meeting	\$ 3.2K
- Scholarships	\$ 10.0K
- Secretariat Services, web services, misc.	\$ 1.2K
Total	\$ 24.5K

It is expected that carry over funds will continue to be drawn down somewhat in the coming years.

- (ii) **Agreement with DFO.** The agreement between DFO and CMOS for continuing funding support through 2008/2009 has yet to be finalized, but no difficulties are foreseen.
- (iii) **Agreement with NRC.** The agreement between NRC and DFO, for NRC to pay the international SCOR fees (currently at \$US 19.6K for 2008), was renewed by NRC on September 19, 2005 and signed by Wendy Watson-Wright on October 12, 2005. It is valid for 5 years, ending in 2010. NRC has since introduced a new “Annual Performance Review of International Affiliations” requirement at the end of 2007. This 17 page questionnaire was completed and submitted to NRC, by DFO, in March 2008. Subsequent feedback from NRC indicated that CNC/SCOR received a score of 40 out of 45 (a pass was 27). Some 70, or so, groups were evaluated by NRC in this manner. It was reported, by Gordon McBean and Paul Myers, that similar evaluations of CNC/WCRP and CNC/IUGG had also received high marks and that it might be useful to exchange documents and ideas with these two sister groups.
Action: Helen Joseph.

It was noted that one of the criticisms of the NRC Review was the seeming lack of much private sector involvement in CNC/SCOR. One issue is the inability to document “where students go” after involvement in SCOR programs. The thought is that, because of their training many often end up in the private sector, but there is no “accounting” credit given to their parents, such as SCOR, CFCAS, university research programs, etc. Most university professors know where their graduate students end up; e.g. they keep track since the information is needed as part of their research grant applications. CFCAS has done some accounting (PDFs, students) to help make arguments of Canadian benefits, training, knowledge generation, as part of their request for continuation of funding. Bill Crawford noted that he had compiled some ocean science / industry linkages in response to the IAPSO portion of the NRC evaluation of CNC/IUGG. It might be possible for Canadian IAPSO to undertake some sort of review, in the future, on where scientists end up insofar as industry is concerned, either in the technology development field or in providing consulting services through contracts. It was suggested that CNC/SCOR raise with CFCAS at their AGM later that day (May 25, 2008) the issue science/industry interactions to see

if there might be some thoughts on how best to work together to come up with convincing data that could be used with funding agencies and assessments into the future. **Action: Dick Stoddart.**

6. CNC/SCOR Issues and Activities

- (i) **Remarks from CNC/SCOR Chair.** Gordon McBean noted that his main activity with respect to CNC/SCOR was to participate in the 38th SCOR Executive Committee Meeting in Bergen, Norway, August 26-28, 2007. The SCOR meeting took place before a conference on “Polar Dynamics: Monitoring, Understanding, and Prediction”. Gordon’s full report on the meeting was provided to members via publication in the CMOS Bulletin and through publication on the CNC/SCOR web site (www.cncscor.ca , Section B). Gordon also noted that he had raised SCOR and other related ocean science issues at meetings of DFO’s Strategic Advisory Committee (SAC).
- (ii) **Web site.** The CNC/SCOR web site (www.cncscor.ca) has been updated and checked periodically for dead links. The Secretary reviewed the entire web site over the winter and streamlined it considerably.

Some Representative Web hit statistics for CNC/SCOR

	2006	2007
Number of CNC/SCOR separate web pages	146	104
Overall hits	102.7K	66.5K
English Index Page	3.5K	2.9K
French Index Page	2.7K	2.3K
International News	3.0K	1.6K
Newsletters	2.3K	1.6K
Ocean Scholarship	???	1.2K
IAPSO Report	---	1.0K
Ocean Science Theses	1.4K	0.8K
Counted separately through CMOS web site hits		
Ocean Photos	???	22.0K

What do these statistics mean?

- They are an index of activity only, not necessarily trends.
- The reduction from 2006 to 2007 is mainly because the web site was streamlined to fewer pages.
- The site is probably visited about 8-10 times per day, on average.
- Individual pages are probably visited about 2-4 times per day, on average

- (iii) **Newsletter.** The Secretary noted that the electronic Canadian Ocean Science Newsletter was implemented on July 20, 2003, with approximately 7 issues published each year since then. Currently there are 445 subscribers. 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. Members identified a number of potential articles that might be candidates for future Newsletter articles. These

topics, potential authors and the CNC/SCOR member volunteered to contact such potential authors are as follows”

Topic	Potential Author	CNC/SCOR Member for Action
High Arctic Strategy	Helen Joseph	Helen Joseph
High Arctic Research Institute	Louis Fortier	Al Mucci
Pacific Region State of the Ocean	Bill Crawford	Dick Stoddart
Science, Technology and Innovation	David Fissel	Gordon McBean
IODP	Al Mucci	Al Mucci
WG 119	Villy Christensen	Philippe Tortell
WG 124	Roger Francois	Philippe Tortell
WG 125	David Mackas	Rob Macdonald
WG 126	Curtis Suttle	Philippe Tortell
WG 128	Denis Gilbert	Bjorn Sundby
WG 129	Gordon Swaters	Paul Myers

It was suggested that, to better reach the student community, the transmittal letter for the next Newsletter should contain a request that recipients should endeavor to pass the Newsletter to colleagues in general, and to students in particular. **Action: Dick Stoddart.**

- (iv) **Ocean Science Theses.** Canadian university contacts have all updated their listings of university PhD and MSc ocean science theses. The web site now contains all listings received from an early-2008 canvas. 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
2008	Alain Vezenia	Eric Kunze (postponed to the fall of 2008)

It was agreed that an *ad hoc* tour speaker committee be established (Jinyu Sheng, Bjorn Sundby, Gordon McBean, Al Mucci, Philippe Tortell) to select the 2009 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 2009 speakers. **Action: Dick Stoddart, *ad hoc* lecture tour committee.** It was noted that, with the already strong program of David Barber at the University of Manitoba, and the transfer of Ron Stewart to the University of Manitoba, there is now a community there with significant northern and ocean science links. The suggestion was made that Winnipeg might be a

future source of potential speakers as well as a possible stop-over location for CNC/SCOR tour speakers.

- (vi) **Oceanographic Photos.** There are approximately 50 photos currently 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. The site received very few new contributions over the past year. Members were encouraged, given the popularity of this part of the web site, as demonstrated by the some 20,000 hits noted in item 6(ii) above, to search their collections, and contact colleagues, to augment the existing archive of photos. **Action: All Members.**
- (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 3rd supplement competition just completed, the winner will be announced at the CMOS Congress. If 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 will be 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. Unfortunately, due to the complexity of the work item and the lack of dedicated student support, he was unable to complete the contact list over the past year. He suggested that a small amount of dedicated resources might be needed to complete the task, but he could not see a way ahead at this point in time. It was suggested, assuming the required financial resources were relatively modest, CMOS and CNC/SCOR, and possibly others, might be able to get this project back on track. **Action: Paul Myers, Dick Stoddart.** Such a list could be starting point to alert the community on a timely basis of the existence and nomination procedure/deadline for the CMOS Supplement awards.

- (viii) **Membership.** In reviewing the membership of CNC/SCOR:
- a. it was noted that Gordon McBean’s three years as chair will be completed at the end of 2008. Gordon agreed to extend his term by an additional year while the Executive Committee searched for a replacement Chair over the next year. **Action: Executive Committee.**
 - b. given the circumstances of the extension of the Chair’s term by one year, it was agreed that the Bjorn Sundby’s term of Past Chair should also be extended by one year.
 - c. given that a replacement had yet to be identified to replace the Secretary, it was agreed that Dick Stoddart would remain as Secretary to CNC/SCOR until the Executive Committee determined a replacement in conjunction with CMOS. An article in the electronic Newsletter might be one way to solicit interest. **Action: Executive Committee.**
 - d. it was agree that Helen Joseph would replace Leah Braithwaite on CNC/SCOR.

- e. given an email received from Jinyu Sheng that identified Markus Kienast as a possible Dalhousie representative at the end of Jinyu's term in 2008, it was agreed that the Secretary would contact Markus Kienast (markus.kienast@dal.ca) to solicit his possible interest in being a member of CNC/SCOR for the period 2009, 2010, 2011. **Action: Dick Stoddart.**
- f. given that there was one additional vacancy in the membership of CNC/SCOR, it was agreed that the Chair would approach Len Zedel, Memorial University to ascertain his interest in becoming a CNC/SCOR member for the period 2009, 2010, 2011. **Action: Gordon McBean.**
- g. in reviewing the list of *ex-officio* members on CNC/SCOR, it was agreed that Jay Cullen (UVic) should be approached to see if he would be willing to be an *ex-member* of CNC/SCOR to represent IMBER. **Action: Dick Stoddart,**

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

Gordon McBean, Chair, UWO, 2006, 2007, 2008, 2009
 Bjorn Sundby, Past Chair, UQAR, 2003, 2004, 2005, 2006, 2007, 2008, 2009
 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
 Alfonso Mucci, McGill, 2008, 2009, 2010
 Denis Chabot, MPO/IML, 2008, 2009, 2010
 Philippe Tortell, UBC, 2008, 2009, 2010
 Dick Stoddart, Secretary, 2002, 2003, 2004, 2005, 2006, 2007, 2008
 Ian Rutherford, *ex-officio*, (CMOS)
 Ian Perry, *ex-officio*, DFO/PBS, (GLOBEC)
 Bill Crawford, *ex-officio*, DFO/IOS (IAPSO)
 Helen Morgan, *ex-officio*, DFO/HQ
 Yves Gratton, *ex-officio*, INRS (CMOS Scientific Committee)

“Nominated Members” for international SCOR from Canada are Bjorn Sundby, Rob Macdonald and Gordon McBean. Once the Executive Committee determines who, if anyone, will represent CNC/SCOR at the upcoming SCOR AGM at Woods Hole (see agenda item #7(vi) below), that person should replace Rob Macdonald as a “nominated member” from Canada. **Action: Dick Stoddart.**

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: the movement of the SCOR secretariat from Johns Hopkins University to the University of Delaware; the approval of 2 new Working Groups at the last SCOR Executive meeting in Bergen; the preparation, with GESAMP, on a position statement on deliberate nutrient additions to the ocean; recent improved relations by SCOR with partners, most notably IOC and ICSU; preparations for the 2nd Symposium on the Ocean in a High CO₂ World (Monaco, Sept. 29 – Oct.1, 2008); and the upcoming 50th anniversary of SCOR to 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).

- (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 near future. The list of contacts for such articles is given under agenda item #6(iii) above. 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 some of these programs had been the subject of articles by Canadians in the CNC/SCOR Newsletter. A hard copy “Update on GLOBEC (Global Ocean Ecosystem Dynamics Program)”, prepared by Ian Perry, was provided to members at the meeting; this report will be reproduced in the next issue of the Newsletter. **Action: Dick Stoddart.** In keeping, with past practices it was agreed that Roger Francois should be approached to possibly contribute a Newsletter article on GEOTRACES. **Action: Al Mucci.** Likewise Susanne Roy should be approached for a GEOHAB article. **Action: Bjorn Sundby.**
- (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) **2007 SCOR Executive Meeting.** The 38th SCOR Executive Committee Meeting took place in Bergen, Norway from Sunday, 26 August through Tuesday, 28 August 2007. The SCOR meeting took place before a conference on “Polar Dynamics: Monitoring, Understanding, and Prediction”. Gordon McBean represented CNC/SCOR at the meeting. Bjorn Sundby attended in his capacity as SCOR President. Gordon’s full

report on the meeting was provided to members via publication in the CMOS Bulletin and through publication on the CNC/SCOR web site (www.cncscor.ca, Section B).

- (vi) **2008 SCOR Annual General Meeting.** The 2008 SCOR Annual Meeting will be held on October 22-24, 2008 at Woods Hole, Massachusetts, USA. 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). Gordon McBean reported that he had a conflict with the dates of the meeting as he had to make an ICSU presentation at that time in Mozambique. It was agreed that the CNC/SCOR Executive Committee would further discuss and decide who, if anyone, should attend the meeting on behalf of Canada. **Action: Executive Committee.** In conjunction with the SCOR AGM a symposium is being held on October 20-21, 2008 that is aimed at bringing together scientists who contributed to SCOR's history, as well as the new generation that will be entrusted with the field's future. Details on --*The Changing Ocean: From Past to Future*-- may be found at http://www.scor-int.org/2008GM/SCOR_50th_Anniversary.htm It was noted that the organizers were encouraging young scientists to attend the meeting and present their research in poster format. There will be a special poster session and reception for the poster presenters and students from Woods Ocean Oceanographic Institution and the Marine Biological Laboratory on the afternoon/evening of Oct. 19. It was agreed that CNC/SCOR should advertise in the next electronic Newsletter that they would be prepared to support, up to \$1,000.00, one such scientist from Canada to participate in the meeting. A deadline for such applications would be the end of July 2008. **Action: Dick Stoddart.**
- (vii) **New SCOR Working Groups.** The deadline for new SCOR Working Group proposals is May 31, 2008. At this time two new proposals have been received by the international SCOR office, namely:
- (a) “Develop a New Paradigm for Working with the Commercial Marine Fleets to Study and Monitor the Sub-surface Ocean and Marine Atmosphere” – no Canadians are listed in the proposal, but there are open spaces on the WG. The kind of person needed would be people who know about autonomous instruments, working with volunteer observing ships, equipment development, etc.
- (b) “Global Patterns of Phytoplankton Dynamics in Coastal Ecosystems: Comparative Analysis of Time-Series Observations” – no Canadians are listed in the proposal as of yet.

Sometime after the May 31st deadline these new proposals, along with any others received up to that date, will be posted on the international SCOR web site and national committees will be invited to review and comment on the proposals. Assuming the above two proposals remain as candidates after the May 31st deadline, it was agreed that Philippe Tortell would try and arrange for an appropriate review of both proposals from a Canadian perspective. **Action: Philippe Tortell.** Once all new proposals are available for review the Secretary will alert all CNC/SCOR members of the web-

location of the proposals and solicit members to identify and contact additional Canadian reviewers. **Action: Dick Stoddart.**

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 encouraging nominations to ensure recognition of deserving oceanographers.

(iii) Congresses. With the 2009 Congress being held in Halifax, Nova Scotia, 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.

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

It was agreed that the next CNC/SCOR AGM would be held in Halifax in conjunction with the 2009 CMOS Congress. A conference call of CNC/SCOR members will be held on an "as needed" basis between AGMs.

10. Other Business

Items of new business were reported under appropriate agenda items as they arose.

11. Adjournment

The meeting was adjourned at 13:05.