

MINUTES OF ACZISC MEETING #43

Atlantic Coastal Zone Information Steering Committee

Date: Thursday, 16 September 2004

Location: Marysville Place, Fredericton, NB

PARTICIPANTS (¹ indicates ACZISC member; ² indicates Advisory Committee member)

Name	Affiliation	Tel. No.
Tim Anderson ¹	Fisheries and Oceans Canada, NL Region, Oceans and Habitat Branch	709-772-2852
Joe Arbour	Fisheries and Oceans Canada, Maritimes Region, (for Carol Ann Rose ^{1,2} , Oceans and Habitat Branch and Faith Scattolon ¹ , RDG Office, Maritimes Region)	902-426-3894
Tara Barnable	Government of Newfoundland and Labrador, Department of Environment and Conservation (for Ken Dominie ¹)	709-729-5932
Michael Butler ² , Chair	ACZISC Secretariat	902-494-1977
Dolores Durant	Natural Resources Canada, GeoConnections	613-992-4333
Cst Gary Frail ¹	RCMP, Coastal Watch Program	902-458-2237
Heather Gibson	Centre for Community-Based Resource Management	506-529-4553
Randy Gillespie ¹	Canadian Centre for Marine Communications	709-579-4872
Michel Goguen	Public Works and Government Services Canada (for Bill Blight ¹)	506-851-6784
Darren Hicks ¹	Government of Newfoundland and Labrador, Department of Natural Resources	709-729-6584
Larry Hildebrand ¹	Environment Canada, Sustainable Communities and Ecosystems Division (and for Réal Daigle ¹ , Meteorological Service of Canada and Bill Horne ¹ , Environmental Emergencies Section	902-426-2131
Don Hogan	Atlantic Canada Opportunities Agency, Policy and Coordination	709-772-2954
Justin Huston ^{1,2}	Government of Nova Scotia, Department of Agriculture and Fisheries	902-424-2996
Marianne Janowicz ¹	Government of New Brunswick, Department of the Environment and Local Government	506-457-4846
Martin Kaye	Bay of Fundy Marine Resource Centre	902-638-3044
Claudette LeBlanc	ACZISC Secretariat	902-494-1977
Geoff Lewis ¹	Industry Canada, Energy and Marine Branch	902-426-9475
Dick MacDougall ¹	Fisheries and Oceans Canada, Canadian Hydrographic Service - Atlantic	902-426-3497
Chris Morry	Fisheries and Oceans Canada, Gulf Region, Oceans (for John Legault ¹)	506-851-3338
Herb Ripley	Hyperspectral Data International Inc	902-461-2161
Brent Rowley ²	Private Sector, EIT Group	902-420-1435

Name	Affiliation	Tel. No.
Andy Sherin	Natural Resources Canada, Geological Survey of Canada (for Bob Taylor ¹)	613-995-0525
LCdr Bob Thwaites ¹	National Defence, Defence Research and Development Canada - Atlantic (and for Cdr Paul Earnshaw ¹ , Trinity JOSIC)	902-426-3100 (ext 153)
Cameron Wilson ¹	Natural Resources Canada, GeoConnections	613-996-6377

1. **WELCOME and INTRODUCTION OF PARTICIPANTS**

Mike Butler, ACZISC Secretariat, called ACZISC Meeting #43 to order at 0830 hrs on Thursday, 16 September 2004. He welcomed members and observers and thanked Marianne Janowicz for making arrangements for the meeting room and the lunch. A roundtable introduction of all of the participants followed.

2. **ADOPTION OF AGENDA, AND REVIEW AND APPROVAL OF MINUTES FOR MEETING #42**

The provisional Agenda for ACZISC Meeting #43 was reviewed and approved (attached).

The draft minutes of ACZISC Meeting #42 were reviewed. Chris Morry advised that the minutes contained an incomplete statement in the EC report on page 16: "Chris Morry indicated that PSSAs have official designation under the International Maritime Organization." *should read* "Chris Morry indicated that the term PSSA is sometimes used incorrectly and not in accordance with the official designation of the International Maritime Organization."

The minutes were approved with the above correction. The revised minutes will be posted on the ACZISC website at <http://www.dal.ca/aczisc/docs>.

3. **STATUS OF ACTION ITEMS**

The Action Items from Meeting #42 were reviewed and will be reported under the relevant agenda item. All of the Action Items were either carried out or are in progress, other than the following. Mike Butler stated that he would send a reminder to both Réal and Kathryn.

ACTION 42.13: Réal Daigle and Kathryn Parlee to organize a presentation for Public Works and Government Services Canada personnel on the impacts of sea-level rise on the Department's activities and programs

4. **UPCOMING ACZISC MEETINGS**

The upcoming ACZISC meetings are scheduled for:

ACZISC Meeting #44: 19-20 January 2005, Halifax, NS

ACZISC Meeting #45: 18-19 May 2005, Charlottetown, PEI

ACZISC Meeting #46: 14-15 September 2005, St. John's, NL

ACZISC Meeting #47: 18-19 January 2006, Fredericton, NB

Bob Thwaites, who had previously offered DND as host of ACZISC Meeting #44, stated that the meeting would be held at the historic Cambridge Military Library located in the Royal Artillery Park (corner of Queen and Sackville streets). Efforts will be made to organize a tour of interest to ACZISC members, in conjunction with the meeting. Bob suggested that he and the Secretariat staff meet this fall to plan the event.

Justin Huston suggested that an update on the Species-at-Risk Act could be the topic of a presentation at an upcoming meeting. Larry Hildebrand suggested that Transport Canada, co-chair of the Integrated Oceans Management pillar of the Oceans Action Plan, be invited to present at an upcoming meeting.

ACTION 43.1: ACZISC Secretariat to meet with LCdr Bob Thwaites to organize ACZISC Meeting #44 scheduled for 19-20 January 2005 at the Cambridge Library, Royal Artillery Park, Halifax

5. ACZISC ADMINISTRATION AND OPERATION

ACZISC ADVISORY COMMITTEE: The ACZISC Advisory Committee consists of a representative from each sector represented on the Committee: academia (Lois Whitehead); federal departments (Carol Ann Rose); private sector (Brent Rowley); provincial governments (Justin Huston, chair); and the Secretariat (Mike Butler). Mike Butler reported that a meeting of the Advisory Committee had not taken place recently due to conflicting schedules. However, he has spoken to members individually.

ACZISC MEMBERSHIP: The following changes to ACZISC membership were announced:

- Government of New Brunswick: David Finley, Service New Brunswick, has resigned from the ACZISC. A replacement is being identified within the Department of Agriculture, Fisheries and Aquaculture.
- Government of Prince Edward Island: David Younker will be retiring from the PEI Government as Director of Fisheries and Aquaculture at the end of September. A replacement will be identified.
- Industry Canada: Mike Sheen, Senior Industry Development Officer, has replaced Brian McShane on the ACZISC. He joins Geoff Lewis in representing the Department.
- National Defence: LCdr Bob Thwaites has become a member of the ACZISC, in addition to Cdr Paul Earnshaw and Carol Lee Giffin. Bob has recently transferred to National Defence and Research Canada – Atlantic located in Dartmouth.
- Natural Resources Canada: Gordon Isaacs, Head of the Atlantic Client Liaison Unit of Geomatics Canada, based in Amherst, has become a new member of the ACZISC. He joins Bob Taylor and Cameron Wilson (alternate: Dolores Durant) in representing NRCan. Andy Sherin will continue his role as chair of the COINAtlantic Task Group.

The Saltwater Network will be sponsoring personnel to attend ACZISC meetings. Martin Kay, Bay of Fundy Marine Resource Centre, and Heather Gibson, Centre for Community-Based Resource Management, St. Francis Xavier University, are attending today's meeting. The bi-national Saltwater Network was formed to enable groups in coastal communities around the Gulf of Maine to work collaboratively on community-based conservation and resource management.

Members identified other potential members of the ACZISC, including: First Nations; Agriculture and Agri-Food Canada; and Public Security and Emergency Preparedness Canada. Mike Butler stated that invitations to attend ACZISC meetings as observers were sent regularly to potential members.

Tara Barnable enquired if there were criteria for membership in the ACZISC. Mike responded that the primary requirements included: an interest in, and responsibilities related to, the

ACZISC mission, namely “to promote, facilitate and influence information management, policies and programs that enhance integrated coastal management in Atlantic Canada”. In addition federal and provincial departments and agencies are expected to pay dues to support the Secretariat. Non-government members contribute significantly by providing their time and paying their own expenses to travel to meetings.

ACTION 43.2: ACZISC Secretariat to continue to follow up with regard to suggested new members

An up-to-date list of ACZISC members is attached.

ACZISC BUDGET, FINANCIAL REPORT AND FUNDING: The ACZISC 2004-2005 budget, as of 31 August, was distributed and reviewed (copy attached). Mike reported on the funding:

Federal Funding:

- The federal departments are currently circulating a three-year Letter of Agreement (LOA) for federal funding of the ACZISC for the period 2004-05 to 2006-07. The Secretariat will re-issue invoices as required with regard to outstanding federal dues.

Provincial Funding:

- From 1992 to 2002, the major portion of the provincial contributions to the ACZISC on behalf of NB, NS and PEI were made on a quarterly basis via the Council of Maritime Premiers (now Council of Atlantic Premiers – CAP). Following a program review, CAP recommended that provincial funding of the ACZISC become the responsibility of the beneficiary provincial departments. CAP volunteered to act as the ‘banker’ to facilitate payment.
- To initiate this ‘devolution’ process, the provincial members advised that meetings be held in each Province with senior government personnel in relevant departments to brief them on the benefits of ACZISC activities and to request funding support for the ACZISC.
- Meetings have been held in NL (29 June), PEI (27 July), and NB (15 September) to seek provincial financial support for the ACZISC. NL has agreed to fund the ACZISC. The Secretariat will communicate with the PEI and NB members re outcomes of their respective meetings and subsequent discussions.
- Justin Huston is organizing a meeting with NS personnel in early November. The Secretariat will meet with Justin and Ed Light to ‘strategize’.

Contracts:

- \$15K has been secured for participation by the Secretariat in the National Secretariat of the Ocean Management Research Network (OMRN): \$10K for 2003-2004 and an additional \$5K (retroactive) for organizing the workshops at the 2003 OMRN Conference in Ottawa
- \$14K has been secured for participation by the Secretariat with Aerde Environmental Research (Dirk Werle) in the “Capacity Study of the Earth and Environment Sector in Atlantic Canada” for the Canadian Space Agency (CSA).
- \$1.5K will be paid upon the completion of the GeoConnections metadata contract.
- An unsolicited proposal has been submitted to ACOA by the Secretariat in collaboration with Canmac Economics Ltd for a study on the “Value of the Ocean Technology Sector in Atlantic Canada”.

Discussion:

Larry Hildebrand enquired if the ACZISC finances would be at a critical stage in a few months.

Mike Butler replied yes and added that this was the case last year also. The situation was ‘saved’ by a \$50K one-time grant from ACOA.

Chris Morry commented that the ACZISC should consider approaching both foundations, e.g., the Pew Charitable Trust, and corporations for funding.

Mike Butler stated that the Secretariat had a listing of foundations that could be approached by

the ACZISC for funding. The application for charitable status, generally a requirement to obtain funding from foundations, is in progress.

ACTION 43.3: *Members to review the ACZISC Association budget/financial statement 2004-2005 (attached) and provide comments to the Secretariat*

ACTION 43.4: *ACZISC Secretariat to follow up ASAP with regard to outstanding federal dues*

ACTION 43.5: *ACZISC Secretariat to meet with Justin Huston and Ed Light to plan the ACZISC presentation scheduled for a meeting of senior NS Government personnel in Halifax*

ACTION 43.6: *ACZISC Secretariat to communicate with NB and PEI members ASAP re provincial funding for the ACZISC, following recent presentations by the Secretariat to senior personnel of both Provinces*

ACZISC COMMUNICATIONS: Mike Butler invited participants to review and comment on the ACZISC display set-up in the meeting room. The display, produced for the Coastal Zone Canada Conference, will be used for other events. He thanked Norval Collins and the Champlain Institute for loaning the display board.

Discussion:

Andy Sherin suggested that a few photos would make the display more appealing.

Geoff Lewis stated that he like the flexibility provided by the display's small components.

Mike reported that the 2003-2004 ACZISC Annual Report had recently been distributed. Larry Hildebrand commented that the content and format made the Annual Report an effective briefing tool when seeking support for the ACZISC.

ACZISC WORKPLAN: The 2004-2005 ACZISC Workplan was distributed. Members reviewed and discussed the status of activities and deliverables.

Chris Morry requested that the Workplan be distributed electronically.

ACZISC ASSOCIATION: Mike Butler reported the following:

- The ACZISC Association was registered under the NS Societies Act in November 2003.
- The Directors of the ACZISC Association are: Norval Collins, Brad Fay, Randy Gillespie, Brent Rowley (chair of the Board) and Lois Whitehead (Vice-chair). Government personnel are not eligible to serve as Directors.
- The MoU between the ACZISC and the Association has been signed by Justin Huston, Chair of the ACZISC Advisory Committee and Brent Rowley, Chair of the ACZISC Association Board of Directors.
- The 1st AGM of the ACZISC Association will be held in Halifax on 19 January 2005 in conjunction with ACZISC Meeting #44.
- Liability insurance has been purchased for the Directors. This has been included in the ACZISC 2004-2005 budget (\$1K).
- The 3rd Board of Directors meeting will be held this fall.

Mike distributed a list of ACZISC Association members, a membership form and a schematic outlining the relationship between the ACZISC Committee, the ACZISC Advisory Committee,

the ACZISC Association and the Secretariat (attached).

Chris Morry enquired why there were so few members of the ACZISC Association. Mike reminded participants that the Association was established to act as the fiscal agent for the ACZISC Committee and that membership was not encouraged. Herb Ripley suggested that increased membership would be beneficial to promote ACZISC activities.

The pros and cons of increasing membership in the Association were discussed. It was suggested that this be discussed by the Association Board of the Directors and the ACZISC Advisory Committee when they next meet.

ACTION 43.7: ACZISC Secretariat to review the pros and cons of 'promoting and increasing' membership in the ACZISC Association with the ACZISC Advisory Committee and the Association Board of Directors. Secretariat to report at ACZISC Meeting #44

ACTION 43.8: ACZISC Secretariat to organize the 1st AGM of the ACZISC Association in conjunction with ACZISC Meeting #44

6. PRESENTATION: ACOA - TOWARDS THE DEVELOPMENT OF AN OCEAN TECHNOLOGY STRATEGY

Don Hogan, Senior Economist, ACOA, briefed participants on the development of the Ocean Technology Development Strategy. He reported on basic assumptions and guiding principles; the federal government's Oceans Action Plan; the development of an Industry Portfolio initiative; and ACOA's ocean technology development strategy.

Basic Assumptions:

- Much of what is referred to as the ocean technology "market" is in fact governments, research institutes and research foundations - not the private sector.
- The receptivity of the Canadian government departments to purchase ocean technology products is lacking. There is a disconnect between the private sector ocean technology development and government procurement. This has been recently identified by the authors of the IBM "Going Forward" study of the Marine Information and Communications Technology Sector (January 2004).
- A coherent integrated Government of Canada approach to ocean technology development is lacking.
- The Oceans Action Plan exercise represents a significant window of opportunity to move towards such an integrated approach.
- It is hoped that ACOA will be provided with funds to launch Round III of the Atlantic Innovation Fund (AIF) or an equivalent program. Funds may be used for ocean technology development and commercialization - as part of ACOA's contribution to the implementation of the Oceans Action Plan.

Guiding Principles:

- To date, the Ocean Technology Development and Commercialization "pillar" has been technology driven. ACOA has and will continue to push for an "objectives" driven or customer focused approach to identification of technologies to be commercialized.
- Canada, a wealthy country with considerable ocean property, would be better to focus on made-in-Canada solutions to Canadian ocean challenges, rather than to ignore Canadian needs and solely focus on global opportunities.
- Regulatory and line departments will look to ACOA (and Western Development) to provide advice on the economic viability of proposed ocean technology development plans. As

such, ACOA's role in the Oceans Action Plan should be to identify and build the business case for the development of existing and potential ocean technologies.

The four pillars of the Oceans Action Plan are:

- International Leadership, Sovereignty and Security:
 - Co-chaired by the Department of Foreign Affairs and International Trade (Robert Hage, DG, Legal Affairs Bureau) and Fisheries and Oceans Canada (Lori Ridgeway, DG, Policy)
 - Focusing on implementation of UNCLOS; maritime security; oceans governance and regulation; and sovereignty over the Arctic and extension of jurisdiction over continental margin.
- Integrated Oceans Management for Sustainable Development:
 - Co-chaired by Fisheries and Oceans Canada, Oceans Sector (Dan McDougall, DG, Oceans) and Transport Canada (Gerard McDonald, DG, Marine Safety)
 - Focusing on marine conservation – ecosystem-based management; Aboriginal participation; sustainable development of fisheries and aquaculture; and multiple use oceans management, e.g., oil and gas, tourism, shipping, fisheries and aquaculture
- Health of the Oceans:
 - Co-chaired by Fisheries and Oceans Canada, Oceans (Camille Mageau, Director, Oceans) and Environment Canada (Trevor Swerdfager, DG, Canadian Wildlife Service)
 - Focusing on the establishment of MPAs; aquatic species at risk; issues related to pollution prevention; and streamlining of environmental regulatory processes.
- Oceans Science and Technology Commercialization:
 - Co-chaired by the National Research Council (Mary Williams, DG), Industry Canada (Bruce Bowie, DG, Energy and Marine Branch) and Fisheries and Oceans Canada (Joan Kean-Howie, DG, Science)
 - Focusing on fostering the environment for ocean technology sector development; implementation of NRC's Technology Road Map; ocean mapping for UNCLOS - building Canadian seabed mapping expertise; and providing science advice to support modern oceans management.

Industry Portfolio Initiative – Ocean Technology Strategy Initiative (OSTI):

- Bringing together key IP agencies/departments
- To build 2-3 major consortia initiatives to develop made-in-Canada 'integrated technology solutions' in support of implementing the Oceans Action Plan
- Key oceans departments must say what it is they want and need
- Want to bring together government departments with industry and academics to explore what is possible
- Meeting next week and again in October in Victoria (in conjunction with Innovation 2004)
- Momentum is building
- A copy of the draft OSTI WG report will be provided to the Secretariat for distribution to members.

ACOA Strategy Development:

- Paul Mills appointed VP Champion for Ocean Technology in February
- Don Hogan tasked with ACOA's ocean technology development strategy
- Working Group established.
- OTSI will be part of ACOA's plan - one of the 'strategies'.
- Other strategies include facilitation of greater interaction between key government department decision makers and their needs and industry capabilities.
- Intend to submit a draft plan (options) to ACOA's Executive Committee in early December 2004.

Discussion:

Joe Arbour stated that a briefing to the OSTI WG by DFO Maritimes on the Oceans Programs, e.g., the Eastern Scotian Shelf Management Initiative, an outgrowth of Integrated Management, would help to foster collaboration re ocean technology development. A presentation has been made to the NS Federal Council and one is scheduled for the Atlantic Federal Council in October.

Bob Thwaites commented that it was important to 'develop' customers to create demand for technologies and then supply the products. He added that the federal government in Ottawa had funds to assist the development of technologies for marine security. He briefed participants on the following:

- Stealth Buoy: developed at DRDC; used for military and national security applications. Can potentially be used to detect illegal fishing activities, monitor the pollutant emissions of passing ships, or track the movements of whales, dolphins and other marine mammals.
- Slocum Glider: a self-propelled gliding vehicle designed to support a wide range of acoustics and non-acoustics sensors; can carry out surveillance in coastal waters for up to two months between battery changes - during this period it can travel up to 2000 km.
- Under ice survey equipment.
- See http://www.atlantic.drdc-rddc.gc.ca/factsheets/03_sensors_actuators_e.shtml.

ACTION 43.9: Don Hogan to provide the ACZISC Secretariat with a copy of the draft Ocean Technology Strategy Initiative (OSTI) Working Group report for distribution to members

7. ACZISC TASK GROUP and WORKING GROUP REPORTS

COASTAL AND OCEAN INFORMATION NETWORK – ATLANTIC TASK GROUP: Andy Sherin, chair of the COINAtlantic Task Group, reported the following:

- A COINAtlantic Forum was held yesterday (15 September) in this location. The Forum was facilitated by André Chiasson using the Open Space Technology facilitation method. Andy thanked Environment Canada for supporting André's participation and travel.
- The goal of the Forum was to discuss the COINAtlantic Concept Paper, identify and prioritize issues, and articulate the relationship and different roles of COINAtlantic and the ACZISC, as per the recommendations of the ACZISC COINAtlantic Task Group.
- Issues were identified and prioritized by the Forum participants in plenary. The individual issues were then addressed in detail by breakout groups.
- Forum participants recommended that a session on COINAtlantic be organized in conjunction with the next ACZISC meeting on 19-20 January 2005 in Halifax.
- The Secretariat and Andy will prepare a draft summary of the Forum and circulate it to participants for review and comment.
- A conference call of the Task Group will be organized to discuss the next steps.

Discussion:

Geoff Lewis enquired re the anticipated level of effort needed to implement and sustain COINAtlantic.

Bob Thwaites replied that, based on discussions at yesterday's Forum, the resources required would be ~ one person working full-time for 5 years, operating funds and free office space, which is less than initially anticipated.

Andy Sherin stated that options were discussed yesterday, including the resources needed to facilitate transactions, identify partners re data acquisition, etc. These and other resource options will be discussed further.

Chris Morry suggested that the ACZISC could consider a secondment as a means of securing personnel for COINAtlantic. He added that governments favoured secondments, as these were mutually beneficial.

ACTION 43.10: *ACZISC Secretariat and Andy Sherin, Task Group Chair, to prepare and circulate to participants a draft summary of the COINAtlantic Forum held in Fredericton on 15 September*

ACTION 43.11: *Participants to review the summary of the COINAtlantic Forum and provide the ACZISC Secretariat with suggested revisions, additions, etc.*

ACTION 43.12: *ACZISC Secretariat and Andy Sherin to organize a conference call for Task Group members and other interested ACZISC members:*

- *to organize a COINAtlantic session in association with the ACZISC Meeting in Halifax in January 2005*
- *to consider the steps that could be taken prior to the January ACZISC Meeting for the implementation of COINAtlantic*

GEOMATICS WORKING GROUP: Dolores Cameron, GeoConnections Secretariat, briefed participants on yesterday's Working Group discussions re the Atlantic Coastal Information Portal (ACIP).

- ACIP will replace the Atlantic Coastal Database Directory and become Atlantic Canada's window on the GeoConnections Discovery Portal (GDP), with emphasis on coastal and marine applications.
- GeoConnections can provide a programmer (max. 5 days) to the ACZISC to build ACIP.
- Feedback re the design of ACIP, e.g., the different search options, is needed from all ACZISC members. An email will be sent to that effect.

ACTION 43.13: *Dolores Durant to send an email to ACZISC members requesting feedback on the specifications for ACIP based on the functionality of the GDP (<http://geodiscover.cgdi.ca>)*

ACTION 43.14: *ACZISC members to review the GDP search functions and provide feedback to Dolores (ddurant@nrca.gc.ca) by 4 October 2004 on desired search options for ACIP*

ACTION 43.15: *Geomatics Working Group and ACZISC Secretariat to develop specifications for the proposed ACIP, based on feedback, by 31 October 2004*

INTEGRATED COASTAL MANAGEMENT WORKING GROUP: Mike Butler reported that the Working Group is co-chaired by a federal and by a provincial government member. Carol Ann Rose is the federal co-chair. Marianne Janowicz expressed interest in becoming the provincial co-chair, following Leslie Grattan's transfer from the ML provincial government to the private sector. She will consult with her Department head in this regard.

Marianne reported that Working Group discussions were held yesterday on challenges to government agencies and the need for a more structured approach for implementing ICM. Larry Hildebrand commented that the implementation of a database of ICM initiatives and practitioners in Atlantic Canada – a "Community of Practice" – would assist in addressing these issues. He suggested that a conference call be held to consider the terms of reference, cost sharing and maintenance requirements to implement such a "Community of Practice". The following expressed interest in participating in the conference call: Tim Anderson, Joe Arbour, Tara Barnable, Larry Hildebrand, Justin Huston, Martin Kaye, Bob Thwaites and Cameron Wilson.

ACTION 43.16: ACZISC Secretariat to organize a conference call with interested ACZISC members, prior to the next ACZISC meeting, to consider the implementation of a "Community of Practice" database

COMMUNICATIONS WORKING GROUP: Mike Butler reported that the Communications Working Group is currently co-chaired by Marianne Janowicz and Geoff Lewis. The Working Group has not met since the last meeting. If Marianne becomes the co-chair of the ICM Working Group, the position of provincial co-chair of the Communications Working Group will become vacant.

Mike added that the ACZISC Secretariat would be reviewing the format of minutes of ACZISC meetings and the design of the ACZISC website with the Communications Working Group with the view of making them more user-friendly and effective.

ACTION 43.17: Communications Working Group and Secretariat to review the design of the ACZISC website and the format of the minutes of ACZISC meetings in order to promote readership

8. *ROUNDTABLE REVIEW OF COASTAL ACTIVITIES and UPDATES ON ACZISC RELATED PROGRAMS*

BAY OF FUNDY MARINE RESOURCE CENTRE: Martin Kaye reported the following:

- The MRC is a community-based and community-run charitable organization. Its mandate is to protect, enhance and develop new and existing initiatives within the marine environment of the Bay of Fundy.
- The Centre offers services to all sectors of the marine economy and ecosystem, including fishermen's organizations, government agencies, schools, processors, aquaculture operators, marine ecotourism operators, First Nations, environmental groups, youth and researchers. Services include but are not limited to: information and referral services; technical assistance; GIS services and training; large format plotting; access to learning opportunities; facilitation; organizational support; and facilities.
- The bi-national Saltwater Network was founded by and for Gulf of Maine organizations as a means of supporting community-based management and conservation work around the Gulf of Maine by means of grant making, convening meetings, education, capacity building, fundraising, and collaboration. The Saltwater Network receives its funding from the Kendall Foundation.
- The MRC and the Saltwater Network are helping to establish and support new marine resource centres around the Bay of Fundy. The goal is to have a network of resource centres that provide services and resources to coastal communities for the development of community-based resource management and the sharing of information and data on marine issues and subjects. At present, three new centres are being established.
- In the coming months the MRC will be working to establish a Database Management Service in the region in partnership with a local business and an Ottawa-based company. This is response to the need identified by community organizations, researchers and government agencies to have access to information and/or an ability to integrate databases for research or analyses purposes. Partners are being sought to participate in a pilot project on decision-making using a variety of databases and the Cognos software (<http://www.cognos.com>).

ACTION 43.18: Participants wanting further details on the pilot project to contact Martin Kaye - email martink@bfmrc.ns.ca

NATURAL RESOURCES CANADA: Cameron Wilson, GeoConnections Secretariat, reported the following:

- The GeoConnections Policy Node and the Geomatics Industry Association of Canada (GIAC) are holding a series of workshops across the country on the "Future of Geomatics Policy in Canada". One is scheduled for 29 September in St. John's. Participants address key issues, including: What data should be maintained as a public good? and How can access, distribution, and archiving of data be improved? Workshop reports will be prepared and made available.
- Last year GeoConnections issued a call for proposals from Canadian organizations (public and private sector) for projects that enable new applications that support a community of practice. As a result 12 communities of practice have received funding and 31 projects will be publishing data. A total of \$3.1 million will be provided by GeoConnections.
- The GeoConnections Discovery Portal (GDP) has been redesigned in response to last years' online usability survey according to "user-centred design" principles.
- The Gulf of Maine Mapping Portal (GoMMaP), available at <http://www.gommap.org>, is designed as a single point of access to Gulf of Maine maps. It utilizes web mapping services to dynamically integrate multiple distributed online data sources from Canada and the US into one or several map images. GoMMaP was funded by the Federal Geographic Data Committee (FGDC) and GeoConnections.
- GeoConnections Phase 1 will end on 31 March 2005. The focus for Phase 2 is being discussed.
- The 100th anniversary of the Atlas of Canada in 2006 will be the focus of several events in Ottawa, including GeoTech and the annual conferences of the Canadian Cartographic Association and the Association of Canadian Map Libraries and Archives. The ACZISC could consider meeting in Ottawa also.

Andy Sherin, Geological Survey of Canada, reported the following:

- The updated Earth Science Sector Business Plan is available on the ESS website at http://ess.nrcan.gc.ca/pri/esst_plan.2002_2005.update2004_e.pdf. The document was circulated for review.
- The CoastGIS 2001 Proceedings are now available for purchase from CRC Press at http://www.crcpress.com/shopping_cart/products/product_detail.asp?sku=TF1714&parent_id=404&pc= (see attachment). Abstracts and papers not included in the published proceedings are available at http://www.coastgis.org/01_index.htm.
- Arrangements for CoastGIS 2005 (Aberdeen) and 2006 (Australia) are underway (see attachments). A call for papers for the 2005 Conference is expected soon. Information is available at <http://www.coastgis.org>.
- C-CIARN Atlantic's 4th Regional Workshop entitled "Climate Change Adaptation in Atlantic Canada: Ecosystems, Protected Areas, Ecotourism" is scheduled for 27-28 September 2004 in Ingonish Beach, NS. The Workshop will focus on adaptation to the potential impacts of climate change on wildlife, biodiversity, ecosystems, parks, protected areas, and ecotourism in Atlantic Canada. Details, including a Workshop background, are available at <http://www.dal.ca/~cciarn/workshops/4/index.html>.

Andy Sherin reported the following on behalf of Bob Taylor, Geological Survey of Canada – Atlantic:

- A summary of the scientific results for the CCGS Matthew cruise in the Bras d'Or Lakes, including multibeam images of bottom features, and a recent paper from Fisheries Research (Elsevier) on the method used for stock evaluation using high-resolution acoustics for seabed mapping are available. These were circulated for review.
- A large part of Placentia Bay is being mapped with multibeam following a successful field season. Scientists at GSCA are now looking for partners to collaborate on the habitat mapping interpretation of the data. For information, email John Shaw at johnshaw@nrcan.gc.ca.
- After several attempts over the last few years, a multibeam survey of the Bouctouche area

on the NB Gulf coast has been completed as part of the GSC Atlantic contribution to the study of the Impacts of Sea-Level Rise and Climate Change on the Coastal Zone of Southeastern NB. Initial interpretations indicate substantial differences in the supply of offshore sand between the Gulf coast of PEI and NB. These differences might lead to different responses to forcing from climate change.

ENVIRONMENT CANADA: Larry Hildebrand, Sustainable Communities and Ecosystems Division, reported the following:

- Atlantic Coastal Action Program (ACAP):
 - The annual ACAP Conference - Innovation and the Future - is taking place this week in St. John's, NL. It was preceded by a 'retreat' of the ACAP Executive Directors to identify the future needs and opportunities of the ACAP Program.
 - Options for an ACAP site in Labrador have been analyzed. A federal/provincial meeting will be held in November to discuss preferences and build support. An announcement is expected by the end of the calendar year.
- Sustainable Communities Initiative:
 - The NS Sustainable Communities Initiative (SCI) won a silver medal for excellence in Innovative Management at a national competition hosted by the Institute of Public Administration of Canada (IPAC). SCI is a partnership of more than 40 federal, provincial, municipal and First Nations' organizations to address complex issues in the watersheds of the Bras d'Or Lakes and the Fundy/Annapolis Basin.
 - Preliminary discussions have taken place between EC and NB personnel in regards to starting a Sustainable Communities Initiative in the Province.
 - There is considerable interest to broaden the initiative nation-wide.
- The EC Deputy Minister has requested that a concept document be developed based on 'results outcomes' for a regional component for GEOSS (Global Earth Observation System of Systems) for the Great Lakes / St Lawrence / Gulf of St Lawrence region.
- Larry was in Cuba this July to evaluate a US \$10 million UNDP project. One of the project components is the creation of a database. Based on the ACZISC experience, he recommended building a decentralized metadata system.

Larry reported the following on behalf of Réal Daigle, Meteorological Service of Canada:
Study of the Impacts of Sea-Level Rise and Climate Change on the Coastal Zone of Southeastern NB:

- A Project website has been launched on the Green Lane at <http://atlantic-web1.ns.ec.gc.ca/slr/> (see attachment).
- The development of digital elevation models (DEMs) and associated flooding scenarios is progressing well.
- A Climate Change and Communities Workshop and Open House are being planned for Bouctouche, NB on 11-14 Nov 2004. The sponsors are the NB Environmental Trust Fund, C-CIARN Coastal Node, OMRN - Linking Science to Local Knowledge Node, and the Southern Gulf of St. Lawrence Coalition on Sustainability. The objectives are:
 - To discuss and bring together lessons learned from current and past projects involved with research on climate change scenarios and adaptations in Canada's coastal ecosystems; and to link these with the local knowledge of community members. The main goal from these discussions is to determine what researchers need from community groups and how community groups can contribute to the monitoring of their coastlines and how they can better access and utilize the data collected from research studies.
 - To present the preliminary results on climate change scenarios, potential impacts and possible adaptations to the communities of the region covered by the CCAF NB Sea Level Rise Project and to discuss results, new ideas, reactions, potential responses from communities and research gaps in relation to the presentations of the results.

Larry reported the following on behalf of Bill Horne, Environmental Emergencies Section:

- A new national Environmental Emergencies Management System (EEMS) is being established by Environmental Emergencies. The EEMS is a mapping program that will include features such as mapping resources, shoreline assessment, videos, etc. The anticipated completion date is April 2005.
- Technical Workshops are scheduled on 5-6 October 2004 in St. Andrews, NB in support of CANUSLANT (Canada US Atlantic Contingency Planning for Emergencies).
- The Regional Environmental Emergencies Team (REET) will be meeting on 3-4 November 2004 in St. John's, NL (contact: Annie MacNeil – annie.macneil@ec.gc.ca).
- Environmental Emergency Regulations (E2 Regulation) under part 8 of CEPA (Canadian Environmental Protection Act): These new regulations are requiring the preparation and implementation of environmental emergency plans to manage toxic and other hazardous wastes (contact: Sinc Dewis – sinc.dewis@ec.gc.ca). Further information is available at <http://www.ec.gc.ca/ee-ue/>.
- Other ongoing issues that Environmental Emergencies is involved with include:
 - The development of a Strategy for Ballast Water and Invasive Species (contact: Sinc Dewis – sinc.dewis@ec.gc.ca). The initiative is led by Transport Canada.
 - The use of satellite to detect pollution at sea (contact: Joe Pomeroy – joe.pomeroy@ec.gc.ca).

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR: Darren Hicks reported the following:

- Three NL departments, Natural Resources, Environment and Conservation, and Fisheries and Aquaculture, are working collaboratively to address several CZM policy and integrated management issues in the Province. A paper prepared primarily by Tara Barnable (DEC) and Patrick Shea (DFA) is circulating within the Government. Natural Resources would like to provide input.
- The Burgeo Development and Diversification Board (BDDB), a local development corporation, has recognized the importance of their marine and coastal environment. The area is economically depressed and the utilization of the marine and coastal environment is being studied as a potential resource to be exploited. The BDDB is considering a National Marine Conservation Area (NMCA) designation for the region and has carried out a feasibility study in this regard with funds provided by the Legacy Nature Trust. Although Parks Canada has been contacted about this interest, the Agency is waiting for the community/board/area to approach them with a specific request.
- Positive feedback has been received in regards to the Coastal Zone Canada 2004 Conference held in St. John's at the end of June. A meeting of the organizing committee will be held to review and 'analyze' the event, finalize documentation and the payment of invoices, etc.

Chris Morry commented that Newfoundland was the 1st province in Canada for which an ICM policy was documented. The policy document was prepared by Grover Fugate when he was a student at Memorial University. Chris added that he would provide the Secretariat with a copy for distribution to members.

ACTION 43.19: Chris Morry to provide the ACZISC Secretariat with a copy of the Newfoundland ICM Policy (Grover Fugate, 1985), the 1st in Canada, for distribution to members

CENTRE FOR COMMUNITY-BASED RESOURCE MANAGEMENT: Heather Gibson reported the following:

- The Saltwater Network has agreed to sponsor representatives from the Marine Resource Centres in the Bay of Fundy to attend ACZISC meetings to raise relevant community issues and projects as well as to transfer information back to the MRCs.

- Maria Recchia and Heather are in the process of setting up the Passamaquoddy Marine Resource Centre in St. Andrews, NB. The Passamaquoddy MRC will complement existing Centres such as the Marine Resource Centre in Cornwallis and the Cobscook Bay Resource Centre.
- The Passamaquoddy MRC (Maria and Heather) currently acts as coordinator for the Saltwater Network.
- Current issues and projects include the proposed LNG terminal at Sipayik (Pleasant Point) in Maine - a Passamaquoddy First Nation community. There is opposition to the proposed terminal from residents in Maine and Canada and from the Passamaquoddy First Nation. The community has expressed a need for information on LNG in general and also on the logistics of navigating a super tanker through narrow channels and the dangers posed to nearby communities.
- Options for community-based geotourism and for a fish marketing program linking the independent inshore fishery and tourism are being explored. Recent work for the Centre for Community-Based Resource Management (CCBRM) in St. Andrews has included capacity building for the Fundy North Fishermen's Association (including proposal writing, membership drive, communication strategy) and working with the Passamaquoddy First Nation in Canada (development of a communication and information initiative and a petition for the federal and provincial governments).

Discussion:

Marianne Janowicz stated that the Eastport LNG study carried out in the late 1970s/early 1980s may be of interest. The experts involved in the study and the reports would be a valuable resource.

Mike Butler added that Dr. David Scarratt, retired from DFO, was involved in the study and would have access to the reports. Dave's contact information will be emailed to Heather.

Chris Morry added that Dave was also involved in a deep-water oil port study at that time.

Justin Huston suggested that Heather contact the Guysborough Regional Development Authority (<http://www.gcrda.ns.ca/>) in regards to their dealings with fishermen, the sustainable aquaculture initiative and the oil pipeline landfall in the area.

ROYAL CANADIAN MOUNTED POLICE: Cst Gary Frail, Coastal Watch Program, reported the following:

- The RCMP was responsible for security during the Tall Ships celebrations in Halifax at the end of July.
- The RCMP is participating in projects with the Integrated Border Enforcement Team and the Canada Border Services Agency. It is a member of the Maritime Security Operations Centre (MSOC) located in Halifax.
- Significant resources have been allocated to monitoring the fishing dispute in the Miramichi.
- A new 75 ft aluminium catamaran has been acquired for use as a patrol vessel in the Maritimes. It is an ideal platform for testing equipment. Requests are welcome and should be directed to Gary – tel 902-458-2237 – email gary.frail@rcmp-grc.gc.ca.
- The RCMP would like to obtain Environment Canada's Environmental Emergency Mapping Program as a tool for MSOC and other applications.

CANADIAN CENTRE FOR MARINE COMMUNICATIONS: Randy Gillespie reported the following:

- A number of activities are taking place centred on the COIN concept, including a project in the St. Lawrence led by Technopole Maritime du Québec in Rimouski, and COIN Pacific in BC.
- A pilot project for Placentia Bay to demonstrate the COIN concept in a smaller geographic area is at the feasibility study stage. It would be linked to the Oceans Action Plan.
- A 'national' COIN is being proposed to the federal government. A meeting will be held with John Efford, Minister of Natural Resources.

- The COIN concept is being marketed internationally, in collaboration with the CCG, in Turkey (Black Sea), the Philippines (Manila Bay) and the Caribbean. Strong government involvement is needed upfront.
- Ocean Innovation 2004 is scheduled for 25-27 October 2004 in Victoria, BC. The theme for this year's event is *Achieving a Balance: Ocean Development and Environmental Health*. The Conference will focus on various aspects of innovation in the ocean environment, among them, issues related to technology, investments, partnerships and human resource requirements. For information, access <http://www.oceaninnovation.ca>.

GOVERNMENT OF NEW BRUNSWICK: Marianne Janowicz, Environment and Local Government, reported the following:

- The NB Department of the Environment and Local Government (DELG) is presently developing the implementation process for the Coastal Areas Protection Policy. The enabling legislation is in place through amendments to the Clean Environment Act but regulations under that Act and changes to the Community Planning Act are still to come. The team working with the Coastal Areas Protection Policy has responded to 276 queries for information or project reviews since May of this year.
- Development on wetlands is presently approved through the requirements of the Watercourse and Wetlands Alteration Regulation under the Clean Water Act (amended to include wetlands). Responsibility for wetlands is shared between DELG and the Department of Natural Resources (DNR). DELG handles the regulatory and science components and DNR is responsible for education and stewardship.
- Three departments - DNR, DELG and Agriculture, Fisheries and Aquaculture (DAFA) - are working closely together to identify the short-term actions required to move toward a New Brunswick marine planning and management framework. A steering committee from the three departments has been created to identify the development phases and to keep senior management apprised of activities. As well, the Province is working with the federal government to develop an Oceans Strategy that fits both provincial and federal needs. A working group of the various agencies meets on a regular basis to identify actions for moving forward.
- DAFA and DFO are embarking on a marine resource planning process to develop a conflict resolution mechanism for aquaculturalists and traditional fishermen. Working sessions will be held this fall and winter.
- Marianne is a participant in the National Programme of Action for the Protection of the Marine Environment from Land-based Activities (NPA) Atlantic Team. Recent activities have included studies on fish plant effluents (prompted by effluent problems in Lamèque) and dredged spoil disposal. Pilot studies have been initiated.

Discussion:

Chris Morry added that the NPA studies included microbial source tracking.

Larry Hildebrand stated that the Clean Annapolis River Project (CARP) ACAP site was carrying out similar work.

Justin Huston reported that the Guysborough Sustainable Aquaculture Initiative had similar concerns. Information on the initiative is available on the Guysborough County Regional Development Authority website (<http://www.gcrda.ns.ca/Fisheries/fisheries.html>).

Chris Morry added that Stephen Chase, now on secondment with DFO, is responsible for developing MoUs and better collaboration between DFO and the provinces.

NATIONAL DEFENCE: LCdr Bob Thwaites, DRDC, reported the following:

TRINITY:

- In April 2004, the Government of Canada presented a blueprint for a new Canadian Security Policy. Included was the concept and mandate to create a Maritime Security Operations Centre (MSOC). TRINITY is actively implementing MSOC in Halifax. MSOC will be a joint centre comprising DND, RCMP, the Canada Border Services Agency (CBSA) and CCG.

- Installation of the Canadian Coast Guard INNAV system at Trinity is completed. Trinity has successfully integrated the Canadian Coast Guards INNAV system into the Global Command and Control System – Maritime (GCCS-M) Recognized Maritime Picture.
- The Atlantic Littoral Intelligence Surveillance Reconnaissance Experiment (ALIX) flights have taken place. As part of the experiment, shoreline erosion data was collected for NB and PEI and data in the Torngat Mountains for Parks Canada. The Torngats are the site of a proposed National Park Reserve.
- Formation Environment is focusing on locating old munitions dumpsites off Nova Scotia.
- Cdr Paul Earnshaw will be retiring in November 2004. His replacement has not been announced.

Defence Research and Development Canada (DRDC):

- DRDC operates 5 laboratories across Canada and has a staff of 2,000. DRDC Atlantic has a staff of 220, of which 150 are scientists.
- The DRDC vision is to be known worldwide as the best in defence R&D. Its mission is to ensure that the Canadian Forces remain technologically prepared and relevant by:
 - Facilitating and enhancing the ability of decision-makers to make informed decisions on defence policy, force generation and procurement by providing expert S&T knowledge;
 - Contributing to the success of military operations by pursuing R&D activities that provide improved support, knowledge, protection and response to potential threats;
 - Enhancing the preparedness of the Canadian Forces by assessing technology trends, threats and opportunities and by exploiting emerging technologies;
 - Contributing to the creation and maintenance of a Canadian defence S&T industrial capability that is internationally competitive, by contracting-out to industry, by transferring technology to industry, and by entering into contractual relationships in which cost and risk are shared; and
 - Conducting S&T projects for clients external to DND, in order to assist the agency in developing and maintaining its defence-related technological capabilities.

INDUSTRY CANADA: Geoff Lewis, Energy and Marine Branch, reported the following:

- Mike Breen has replaced Brian McShane as the 2nd IC member on the ACZISC.
- There have been staff changes at the senior level at IC: Neil Yates (formerly with the Government of Saskatchewan) has replaced David Fransen as the Assistant Deputy Minister of Industry Sectors. Fransen is now the ADM of Policy.
- IC is participating in international trade shows, conferences and missions, including the ACOA-led Ocean Tech mission to Brest, France (Sea Tech Week) plus Oceans Techno Oceans in Kobe, Japan (Canadian workshop, reception, etc) and Ocean Innovation in Victoria, BC (organized by CCMC). Other Energy and Marine Sector trade events this year include Shipbuilding and Marine Equipment (Hamburg); Ship Repair and Conversion (London); Fish Expo Work Boat Atlantic (Providence, RI); and CORE (Halifax). Next February IC will be working with International Trade Canada on a Geomatics - Ocean Tech Mission to Stennis Space Centre in Mississippi.
- The Working Group for Ocean Science and Technology Commercialization of Canada's Oceans Action Plan is making input to a Memo to Cabinet. As part of this MC the Working Group would like to include Early Action Measures. Suggestions would be most welcome.
- The report entitled "Energy from Waves and Tidal Currents: Towards 20yy ?" presents an overview of the main developments in ocean energy from waves and currents and a proposal for the development of an Ocean Energy Technology Network in Canada. Copies of the report are available from Geoff.

ACTION 43.20: Input is being sought by the 'Working Group for Ocean Science and Technology Commercialization' of Canada's Oceans Action Plan on ideas for action and early measures. For details, contact Geoff Lewis - tel 902-426-9475

ACTION 43.21: Participants wanting a copy of the report “Energy from Waves and Tidal Currents: Towards 20yy ?” (either digital or hard-copy) to contact Geoff Lewis

HYPERSPECTRAL DATA INTERNATIONAL INC: Herb Ripley, President of HDI, reported the following:

- HDI has employed a newly acquired casi550 hyperspectral scanner system in recent projects. Some sample data from these projects is available on the HDI website at <http://www.hdi.ns.ca>.
- HDI continues to be active in coastal related projects, especially mapping benthic habitat with a focus on invasive species. HDI flew Mahone and Lunenburg Bays in 2002 with its casi system in conjunction with Dalhousie University; in August 2004 Mahone Bay was re-flown with the new casi550.
- Dr. Patrick Gagnon, a benthic ecologist, has been hired by HDI following the awarding of an NSERC Industrial Postdoc position to HDI earlier this year. Dr. Gagnon will work closely with both Dalhousie University and the University College of Cape Breton; his work will focus on using hyperspectral data for benthic habitat mapping.
- HDI is the major commercial partner on a CFI funded project to study and map the littoral zone using both airborne hyperspectral scanner and digital camera data. Dr. Bruce Hatcher is the CFI grant recipient.
- HDI continues to work on in-house R&D activities that focus primarily on optical bathymetry.
- A call for abstracts has been issued for the “8th International Conference on Remote Sensing for Marine and Coastal Environments”, sponsored by the Alliance for Marine Remote Sensing (AMRS). The organizers are also seeking sponsors and volunteers for the Organizing Committee. The event is scheduled for 17–19 May 2005 in Halifax. Information is available at <http://www.waterobserver.org/event-2005-05/>.

GOVERNMENT OF NOVA SCOTIA: Justin Huston, Agriculture and Fisheries, reported the following:

23rd Annual International Submerged Lands Management Conference:

- The Conference is scheduled for 19-24 September 2004 in Halifax. Conference themes include: jurisdiction and ownership of submerged lands; surveying, mapping and legal issues; public trust doctrine; commercial and recreational uses; fish habitat and aquaculture issues; navigation and shipwrecks; marine protected areas; hazard mitigation and coastal planning (<http://www.gov.ns.ca/natr/land/slmc>).

Sustainable Coastal Strategy for Tourism:

- The Tourism Industry Association of Nova Scotia (TIANS) is partnering with the Nova Scotia Tourism Partnership Council (NSTPC) and the Department of Tourism, Culture and Heritage (NSTCH) to initiate a Sustainable Coastal Strategy for Tourism. NS has a goal of increasing tourism revenue by 100% by 2012. Given the fact that tourism in the Province is strongly oriented to the coastal zone, the partnership is taking action to ensure that tourism plays a role in overall coastal planning in NS. A visioning session was held in early September, during which representatives from the tourism industry, community organizations, and provincial and municipal departments discussed the principles and elements of a strategy. The next step is the development of a preliminary Sustainable Coastal Strategy for Tourism and accompanying business case, which will be made available for stakeholder input and consultation. An update on the progress of this initiative will be made at the Tourism Summit and Expo on 5-7 December 2004 in Halifax (<http://www.conferenceontourism.com>).

Bras d'Or Lakes Collaborative Environmental Planning Initiative (CEPI):

- The Bras d'Or Lakes Collaborative Environmental Planning Initiative (CEPI), in conjunction with the University College of Cape Breton (UCCB) Integrative Health and Healing Project,

will hold a community workshop in Wagmatcook on 7-8 October. The purpose of the workshop is to bring together representatives from community groups, First Nations, federal and provincial agencies, municipalities and industry to gain a better understanding of the myriad of environmental issues facing the Bras d'Or Lakes, and to develop the foundation for an integrated and unified planning and management process that will ensure the sustainability of the Lakes for present and future generations. The Unama'ki Institute of Natural Resources in Eskasoni is serving as Secretariat for this initiative as it moves forward.

Student Internships for Marine Affairs Program:

- Sponsors are needed to provide 6-week internship programs next spring for students of the Marine Affairs Program (<http://www/dal.ca/map>) at Dalhousie University. Sponsors need only provide resources such as equipment, office space, etc. Participants wanting further details should contact Becky Field, MAP Administrator

ACTION 43.22: Participants wanting further details on the 6-week internship programs next spring for students of the Marine Affairs Program to contact Becky Field, MAP Administrator - tel 902-494-3555 - email marine.affairs@dal.ca

FISHERIES AND OCEANS CANADA: Chris Morry, Oceans, DFO Gulf Region, reported the following on behalf of John Legault:

Bay-by-Bay Assessments (NB):

- The Bay-by-Bay Aquaculture Site planning initiative carried out in conjunction with the Government of NB will hold public consultations in October 2004. Several meetings will be held with stakeholders to present the plans for two bays (Tabusintac and Richibucto) and to get feedback. The process will lead to finalizing plans and approaches for the ongoing management of aquaculture development and to setting the agenda for these two bays for the future. The initiative may be continued for two other bays yet to be identified. It is the intention that these plans will be revisited every 5 years (contact: John Legault – email legaultj@dfo-mpo.gc.ca).

Gulf of St. Lawrence Integrated Management (GOSLIM):

- The Ecosystem Overview Report (EOR) for the Gulf of St. Lawrence is entering the peer review phase in which departmental and academic "experts" will review the report for gaps and misinterpretations. The EOR includes an Environmental Assessment for the entire Gulf of St. Lawrence for specific activities: Oil and Gas Exploration; Marine Transportation; Commercial Fishing; Land-based Activities; Aquaculture; and Climate Change (contact: Mireille Chiasson - email chiassonmi@dfo-mpo.gc.ca).

Seafood Processing Plants:

- Dr. Graham Gagnon and colleagues working under the auspices of the Canada Research Chair in Water Quality and Treatment at Dalhousie University's Centre for Water Resource Studies have just completed an exhaustive study entitled "Preliminary Assessment of Effluents Generated by Seafood Processors in the Atlantic Region". This study examined Canadian and international legislation pertaining to effluents from seafood processing, reviewed the existing technologies that are applicable to the treatment of such wastes and carried on with the assessment of Atlantic Canada seafood processing operations first begun with the NPA study entitled "Management of wastes from Atlantic Seafood Processing Operations". It is hoped that this report, delivered to Environment Canada as co-funder of the Chair with NSERC, will soon be published and made accessible (contact: MT Grant, EC – mt.grant@ec.gc.ca and Graham Gagnon, Dalhousie University – graham.gagnon@dal.ca).
- The NB Seafood Processing Effluent Working Group is in the final stages of preparing a

funding proposal to carry out a number of pilot tests of the Best Management Practices (BMP) methodology developed and published in January 2004 for control of seafood processing effluents in the Province. It is hoped to carry out these tests in four or five seafood processing plants employing different technologies to treat different species (contact: Chris Morry, DFO – morrycj@dfo-mpo.gc.ca and Angéline Cool, NB Seafood Processors Association - nbspa@cme-mec.ca)

- EC's Environmental Protection Office of Enforcement (Dave Aggett, Manager) has recently completed an underwater video survey conducted using a Remotely Operated Vehicle (ROV) to provide a visual record of the extent and impact of outfalls from seafood processing operations along the Gulf coast of NB. This information will be available to regulators and other concerned government offices in the near future (contact: Dave Aggett, EC - dave.aggett@ec.gc.ca)
- The 49th Annual Atlantic Fisheries Technology Conference takes place in Halifax, NS on 26-29 September 2004. The agenda includes two presentations on seafood processing effluents: one synoptic review of progress in Atlantic Canada over the past two years by Chris Morry and another by Margaret Walsh concerning the study by Dalhousie University mentioned above (contacts: Chris Morry, DFO - morrycj@dfo-mpo.gc.ca and Margaret Walsh, Dalhousie University).

Richibucto River Enhancement Project:

- The Elsipogtog First Nation has begun to explore measures needed to restore, conserve and enhance the Richibucto River watershed. The funding (approximately \$1M over the next 18 months) is from the Marshall agreement. The First Nation has sought input from DFO, EC and the Richibucto River Authority. It is anticipated that a planning process, centred on a workshop to be held possibly in December 2004, will help to develop the optimal strategy to pursue this goal. A second sum of funding for aquaculture development (also in the order of \$1M over 18 months) will augment the river enhancement initiative and cover the watershed from headwaters to the estuary and adjacent coast (contact: Pierre Mallet, DFO – malletp@dfo-mpo.gc.ca).

Invasive Species:

- The Aquatic Invasive Species Task Group of the Canadian Council of Ministers of Fisheries and Aquaculture (CCFAM) is completing a National Strategy for Aquatic Invasive Species for delivery to the Ministers in September 2004. This Strategy, which forms part of an overall National Strategy for Invasive Species dealing with all species, terrestrial as well as aquatic, is expected to be the launch pad for the development over the next 12 months of an Action Plan to address this critical problem affecting Canada's coastal and freshwater resources, ecosystems and economy (contact: Sylvain Paradis, DFO-HQ - paradiss@dfo-mpo.gc.ca).
- The Canadian Science Advisory Secretariat (DFO) will be carrying out an assessment and peer review of the suitability of current and proposed ballast water exchange zones on the east and west coasts of Canada in October 2004. This forms part of the regulatory review process led by Transport Canada to institute regulations governing mandatory ballast water exchange in marine waters commensurate with the requirements of the new International Convention on Ballast Water, which was proclaimed by the International Maritime Organisation in February 2004 (contact: Jake Rice, DFO-HQ – ricej@dfo-mpo.gc.ca).

Tim Anderson, Oceans and Habitat Branch, DFO NL, reported the following:

- The Coastal Zone Canada 2004 Conference, held on 27-30 June in St. John's, was considered a success by the participants. More than 300 people from over 20 countries attended the event. All participants will receive a CD-ROM of outcomes, including the conference resolution, a summary, the background paper, a set of abstracts, and other documents. The ACZISC meeting participants congratulated the organizers of CZC 2004 for the excellence of the Conference.

- As part of the reorganization of the Oceans and Habitat Branch in the NL Region, consultations are being undertaken with federal/provincial departments and industry. The aim of this exercise is to develop a structure for oceans management and the Oceans Action Plan in the Region.
- The three Atlantic RDGs are scheduled to give a presentation on oceans management to the Atlantic Federal Council in early October.
- Work is beginning on providing regional input and ideas into the development of the Oceans Action Plan.

Discussion:

Geoff Lewis commented on the excellence of the ACZISC panel on Data, Information and Knowledge for ICM, held during CZC 2004. The well-attended session featured presentations by ACZISC members followed by discussions between the panellists and audience. The panellists addressed the challenges associated with identifying, accessing and sharing data and information to address their responsibilities within the context of ICM.

Dick MacDougall, Canadian Hydrographic Service - Atlantic, reported the following:

- DFO continues to struggle with budget issues and the reallocation of funding to higher priority and new government initiatives. The CHS Atlantic salary budget now takes up 100% of its budget allocation. CHS operation is contingent on funding being re-allocated to CHS by Science, or the DFO Region or on external funding from Joint Project Agreements. The Science Branch, of which CHS is part, is facing a \$10M shortfall in funding for vessels. The outlook for the immediate future is rather bleak as DFO addresses the vessel issue, the contribution to the Government's planned \$12B re-allocation of funding and creating a sustainable balance between salary and operational funding. Decisions have not yet been made on how to achieve this objective.
- The CHS Atlantic hydrographic survey season was cut short in mid July when the CCGS Matthew struck a charted shoal while surveying the approaches to Cow Bay, NL. The new multibeam system transducer was lost and the hull damaged. The CCG decided not to drydock the ship for immediate repairs and will wait for a scheduled drydocking later this year. Prior to the accident, the Matthew conducted revisory surveys in Pictou, Charlottetown, Summerside, Val Comeau, Belledune, Argentinia and Marystown.
- CHS, using the CCGS Creed, spent 2 months in Placentia Bay collecting multibeam data for the Geological Survey of Canada in support of their Geoscience for Ocean Management program. This combined effort will contribute to the Technology Roadmap demonstration project in Placentia Bay.
- CHS and the Surveys and Mapping Division of the NL Department of Environment and Conservation have used funding under the National Search and Rescue Secretariat's New Initiatives Fund (NIF) to obtain aerial photography to improve shoreline mapping along the Northern Labrador Coast.
- UNCLOS was ratified in November 2003 and \$70M funding announced in the budget. A submission has been made to Treasury Board to profile the funding over 10 years. The funding will be shared by DFO and NRCan. The general plan is to have a small project office (3 - 5 people) at the Bedford Institute with a project manager reporting to a Management Board made up of the Director of the Geological Survey and the Director of the Canadian Hydrographic Service. The work will be contracted whenever possible or practical. Technical experts in hydrography, geology and geophysics will be brought into the project office as needed to do specifications, evaluations and quality control. Roughly 2/3 of the funding is for geological work and 1/3 for hydrographic work. The funding split for Atlantic / Arctic is about 1/3 - 2/3. The plan is to start the bathymetric survey of a 4800 km by 40 km wide strip in Atlantic Canada next summer, assuming the funding can be accessed and a contract is in place for an equipped and staffed hydrographic vessel to collect and process the multibeam data. The plan in the Arctic is to partner with Denmark for refraction seismic work on Losomov Ridge north of Ellesmere Island and Greenland. That work likely will start with on-ice work in the winter of 2006 and continue from

icebreakers in 2007. It will help identify where bathymetric and reflection seismic surveys are required. This is scheduled to be done between 2008 and 2012.

- SeaMap was identified as a component of the "Technology and Innovation" portion of the Oceans Action Plan. The Plan has named Large Ocean Management Areas (LOMAS) that may be candidates for Seamap type work. As yet, this portion of the Oceans Action Plan is not funded but the profile it is receiving is encouraging.
- CHS has been asked by the Deputy Minister to prepare a business case to assist him and his management team to decide if CHS should go forward to Treasury Board asking to be considered for Special Operating Agency (SOA) status. In December it was announced that the CCG would become a SOA. CHS and Small Craft Harbours are now being considered as well because they are unique and have a well-defined mandate. SOA status will clearly state mandate, deliverables and accountability and can provide additional flexibility for CHS to manage a national program.

Joe Arbour, DFO Maritimes Region, reported the following:

- Ocean Use Mapping has been identified as a requirement for DFO to carry out integrated management. A project is underway to develop a methodology for ocean use mapping. One of the objectives is to arrive at a consistent format.
- An inventory of marine managed areas for the Gulf of Maine is being developed by DFO, in collaboration with NOAA (Brad Barr). DFO is providing data and NOAA the funds.
- The initiative in the Bras d'Or Lakes described earlier by Justin Huston, is an excellent example of integrated management and of collaboration between First Nations and the various levels of government.
- The Eastern Scotian Shelf Integrated Management (ESSIM) initiative is moving forward in developing an objective-oriented integrated management plan. A draft plan will be available for the next ESSIM Forum scheduled for 22-23 February 2005 in Halifax.
- A workshop was held in June on macro-scale marine ecozone boundaries. The technical report will be available in 2 weeks. The ACZISC workshop on large marine ecozone boundaries held in September 2003 at BIO had a significant influence on discussions.

EARTH INFORMATION TECHNOLOGY GROUP: Brent Rowley, President, EIT Group, reported that EIT is halfway through implementing a new geomatics centre at the Listigouche First Nation in Gaspé, QC (across from Campbellton, NB). The focus of their mapping will be on traditional knowledge. The centre should be operational by the end of the year.

UPDATES ON ACZISC RELATED PROGRAMS

GULF OF MAINE COUNCIL ON THE ENVIRONMENT / GLOBAL PROGRAMME OF ACTION COALITION FOR THE GULF OF MAINE:

Joe Arbour reported that the Gulf of Maine Summit, a joint effort of the Gulf of Maine Council and the Global Programme of Action Coalition for the Gulf of Maine (GPAC), was scheduled for 26-29 October 2004 in St. Andrews, NB. A State of the Gulf Report has been produced based on information from both local watershed forums and scientific literature. The report documents environmental, economic, and social trends and conditions for three primary issues – contaminants, fisheries, and patterns of development. The report will be used as a basis for discussion by Summit participants. (For information on the Summit, access <http://www.gulfofmainesummit.org>.)

OCEAN MANAGEMENT RESEARCH NETWORK: Mike Butler reported that the OMRN and the Coastal Zone Canada Association had signed a Letter of Agreement (LOA) at the CZC 2004 Conference. The LOA states that, in general and when appropriate, the two organizations will work together to support each other's conferences and profile each organization.

The next OMRN National Conference is scheduled for the fall of 2005 in Ottawa. A call for papers will be issued soon. (For information on the OMRN, access <http://www.omrn.ca>.)

SOUTHERN GULF OF ST. LAWRENCE COALITION ON SUSTAINABILITY: Marianne Janowicz reported that the Coalition was helping to organize a workshop on the carrying capacity in the Gulf of St. Lawrence, in collaboration with the Southern Gulf Research Network (Mike Chadwick). The Workshop is scheduled for 16 November 2004 at the Gulf Fisheries Centre in Moncton. (For information on the SGSLCS, access <http://www.coalition-sgsl.ca>.)

9. **ADJOURNMENT**

ACZISC Meeting #43 adjourned at 1645 hrs on Thursday, 16 September 2004.