

MAP MATTERS

The Newsletter of the Marine Affairs Program, Dalhousie University



CZC 2014 Issue

OUR COASTS

15-19 JUNE, 2014 | HALIFAX, NS

LEGACIES & FUTURES



The Marine Affairs Program was well represented at the [Coastal Zone Canada 2014](#) conference held in Halifax, NS on June 15-19. Students, faculty, alumni, visiting researchers and friends (from the Arctic to the Caribbean) took part in volunteering, attending, presenting and interacting with the 400 delegates. Tim Hall, MMM 2002 and Regional Manager, Oceans and Coastal Management division of Fisheries and Oceans Maritimes region, was Co-Chair of the conference along with Susanna Fuller of the Ecology Action Centre. During CZC 2014, the [Bay of Fundy Ecosystem Partnership](#) (BoFEP) held the 10th Fundy Science Workshop with the theme of “Sustaining the Bay of Fundy: Linking Science, Communication, Policy and Community Action”.

Coastal zone management has changed since the Coastal Zone Canada Association was incorporated in 1993, with new technology, increasingly diverse information, governance challenges and climate change issues that affect the world's oceans and coasts. CZC 2014 returned to Halifax as the 11th Coastal Zone Canada conference. The first conference, held in 1994, brought together delegates from around the world following the adoption of Agenda 21 of the Rio Declaration on Environment and Development held in Rio de Janeiro in 1992.

A wide range of constituents attended CZC 2014 to learn about and discuss the complex realm of coastal zone management. It was an opportunity for members of the MAP family to engage with coastal zone researchers, students and decision makers.



Tim Hall, CZC 2014 Co-Chair (left) with Peter Ricketts, President of CZC and Francis Zwiers, Keynote Speaker and Bureau member of the



Members of the MAP Family at CZC 2014

Cuban and Colombian LACREG Colleagues at MAP for Coastal Governance Workshop

Three colleagues participating in an AUCC-funded LACREG project with Lucia Fanning (MAP) attended a LACREG workshop at MAP during the period June 12-29. The LACREG project focuses on coastal governance and is developing an indicator framework for assessing the effectiveness of linkages between land-use planning and integrated coastal zone management in Eastern Cuba and the Caribbean coast of Colombia. While in Halifax, these researchers also presented their work at CZC 2014.

~ Camilo Mateo Botero from the Universidad Sergio Arboleda Santa Marta in Colombia presented a paper entitled “Indicators to Measure Governance Linked to Risk Management in Coastal Cities of Colombian Caribbean” in the *Coastal Risk Management* session.

~ Celene Milanes from Universidad de Oriente in Santiago de Cuba presented on “A New Cuban Method for Integrated Coastal Zone Management and Land-Use Planning” in the *Integrated Coastal Zone Management* session.

~ Jose Planas (MMM 1996), also from Universidad de Oriente in Santaigo de Cuba presented on “A Strategy for Local Capacity Building and Integrated Coastal Zone Management in the South east Region of Cuba”, also in the *Integrated Coastal Zone Management* session.

Coastal Zone Canada 2014 MAP participation

Opening Plenary Panel – “Legacies”

Moderator: Larry Hildebrand (‡), WMU

Panelists

- ◇ Paul Yeatman, Geospectrum
- ◇ Karen Traversy, Coastal Coalition of Nova Scotia
- ◇ Charlie Dennis, Unama’ki Institute of Natural Resources
- ◇ David VanderZwaag, Marine & Environmental Law Institute, Dalhousie University
- ◇ Ratana Chuenpagdee, Department of Geography, Memorial University of Newfoundland
- ◇ Robert Fournier (^), Marine Affairs Program, Dalhousie University

Legend

Bold Type—Title of Session

MMM student (●)

MMM Alum (◆)

MAP Faculty (^)

MAP Adjunct Professor (‡)

MAP Post-Doc (*)

Underlined text indicates presenter

[Full conference program and abstracts](#)



Jessica MacIntosh, Oceans-NS, Christine Stortini, SRES and Lisette Muaror-Wilson, MAP & Oceans NS

Coastal Knowledge and Reporting

Strengthening Ocean Education in Nova Scotia High Schools: Building Our Future Ocean Champions

Devitt, Karen; Archibald, Melissa; Froese-Stoddard, Alison; Stortini, Christine; Iadipaolo, Amanda; Goudy, Christina; MacIntosh, Jessica (◆)

Marine Protected Areas

Canadian Tools of the Trade for Ocean Management and Marine Conservation: A Decade of Innovation and Integration in the Gully MPA

Macnab, Paul; Aker, Jana (◆); Doherty, Penny; Fenton, Derek; Herbert, Glen (◆); Koropatnick, Tanya; Westhead, Maxine

Incorporating Participatory Approaches into the Enforcement of Musquash Estuary Marine Protected Area
Corkum, Jessica (◆)

DFO Maritimes’ Regional Oceans Plan: Current Directions in Oceans and Coastal Management

Chair: Glen Herbert (◆), Fisheries and Oceans Canada – Maritimes Region

A Regional Oceans Plan for the Scotian Shelf, Atlantic Coast and Bay of Fundy

Naug, Jason; Herbert, Glen (◆); Maclean, Melanie (◆); Breeze, Heather

Ecologically and Biologically Significant Areas: Prioritization for Management in the Scotian Shelf Bioregion
Koropatnick, Tanya; Breeze, Heather; Herbert, Glen (◆)

Bioregional Marine Protected Area (MPA) Network Planning

King, Marty; Fenton, Derek; Maclean, Melanie (◆); Westhead, Maxine

Marine Planning

Chair: Tim Hall (◆), Fisheries and Oceans Canada – Maritimes Region

Chemical Pollution

Gulfwatch - Chemical Contaminant Monitoring by the Gulf of Maine Council on the Marine Environment
Wells, Peter G. (‡) ; Harding, Gareth C.H.; Jones, Stephen H.; Krahforst, Christian

On Common Ground: The Role of Communities in Conservation and Stewardship

Leader: Anthony Charles (‡), Saint Mary's University

Emerging Swells: How Research Makes a Difference for People and the Environment on Canada's Atlantic Coast

Moderator: Rick Howe, The Rick Howe Show

Panelists

- ◇ Anthony Charles (‡), Saint Mary's University
- ◇ Ratana Chuenpagdee, Memorial University of Newfoundland
- ◇ Lucia Fanning (♦) (^), Dalhousie University
- ◇ Barbara Neis, Memorial University of Newfoundland

BoFEP Fundy Science Workshop—Does Information Matter? A Critical Question for the Future of Coastal Zone Management

Bridging the Science-Policy Gap in Marine Environmental Management

MacDonald, Bertrum H.; Wells, Peter G. (‡); Soomai, Suzuette S. (♦); De Santo, Elizabeth M.

Measuring Use of Fisheries Information in Policy-Making for Fisheries Management.

Soomai, Suzuette S. (♦)

Panel Discussion – Does Information Matter?

Identifying Critical Issues Related to Information Use in ICOM (Integrated Coastal and Ocean Management)

Wells, Peter G. (‡); Soomai, Suzuette S. (♦); De Santo, Elizabeth M.; MacDonald, Bertrum H.



Amiee Gromack, Stantec Consulting Ltd.

Mapping and Coastal Ecology

An Evaluation of Eelgrass Mapping Methods: Case Study from Flora Bank, British Columbia
Gromack, Aimee (♦)

The Coastalshed Debate: Is Geography Holding Us Back—Coastal Zone, Watershed, Coastalshed—Does it Matter?

Lead Organizers: Paul R. Boudreau, Michael J.A. Butler (‡), Claudette LeBlanc, International Ocean Institute-Canada, and Alexi Baccardax Westcott, ACZISC Secretariat

Communities: Culture, Values and Planning

Identifying Best Practices for Incorporating Traditional Ecological Knowledge into Natural Resource Development Projects: An Assessment of Two Marine-related Case Studies

Fanning, Lucia (♦)(^); Giles, Amber (♦); Denny, Shelley



Amber Giles, MAP Fish WIKS Project

Incorporating Data Derived from Historic Documentation into the Development of Modern Coastal Management Plans

Aporta, Claudio (^); Reid, Michael (♦)



Mike Reid, MAP Research Associate

Coastal Risk Management

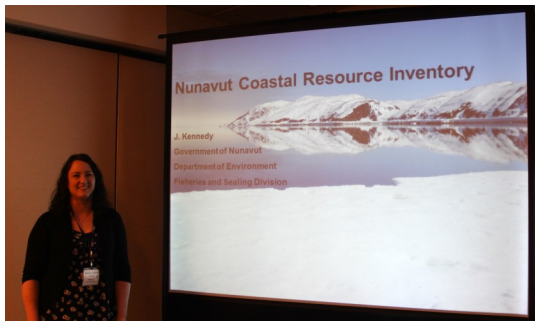
Risk Management in the Coastal Zone: Uses and Abuses
Pelot, Ronald (^)

BoFEP Fundy Science Workshop: Aquatic Ecosystem Health

Chair: Peter G. Wells (‡), Dalhousie University

Economic Development in the Arctic and Coastal and Marine Planning

Nunavut Coastal Resource Inventory
Arsenault, Lilianne; Kennedy, Janelle (◆); Nuyalia, Corenna; Young, Angela



Janelle Kennedy, Science Advisor, Government of Nunavut

BoFEP Fundy Science Workshop: Emerging Issues for Coastal Peoples

Emerging Environmental Issues in the Gulf of Maine and Bay of Fundy - A Sequel for the Gulf of Maine Council on the Marine Environment
WELLS, Peter G. (‡)

Integrated Coastal Zone Management

Chair: Glen Herbert (◆), Fisheries and Oceans Canada – Maritimes Region

The Application of the Coastalshed Concept on a Bay-wide Scale in St. Margaret's Bay, Nova Scotia, Canada
Boudreau, Paul; Butler, Michael (‡); Leblanc, Claudette; Baccardax Westcott, Alexi; LeBoutillier, Geoff

An Evaluation of the Marine Zoning and Aquaculture Plans in the Great Sandy Region, Australia: Indicators for Successful Integrated Coastal Zone Management

Scriven, Danielle (●)



Danielle Scriven, MMM student

The Past and Potential Future Impact of the Atlantic Coastal Zone Information Steering Committee on Coastal Zone Management in Atlantic Canada
Sherin, Andrew; Baccardax Westcott, Alexi; Boudreau, Paul; Butler, Michael (‡); Leblanc, Claudette

Joining Forces: A Joint Session on the Useful Application of Deliverables from Two International Community University Research Alliances

Panel and Roundtable Discussion: Dr. Colleen Mercer Clarke (C-CHANGE), Chair

Planning for a Changing Coastal Environment: Effectiveness, Opportunities and Challenges
Panelists

- ◇ Dr. Anthony Charles (‡), ParCA, Saint Mary's University
- ◇ Dr. Danika van Proosdij, ParCA, Saint Mary's University
- ◇ Dr. Don Lemmen, Natural Resources Canada
- ◇ Dr. Daniel Lane, C-Change-Canada, University of Ottawa
- ◇ Dr. Patrick Watson, C-Change- Caribbean, University of the West Indies

Climate Change Adaptation: Atlantic Canada

Climate Change Impacts, Risks and Adaptation: A Municipality Perspective
Deacoff, Cameron (◆)

Fisheries Science and Management

Development and Testing of a Fisheries Indicator Framework with Application to Analyzing the Distribution of Benefits with an Atlantic Canadian Fishing Community

Mombourquette, Daniel; Charles, Anthony (‡); Stephenson, Robert

Decision Making and Western Knowledge Systems in Canadian Fisheries Management

Boudreau, Stephanie A. (*); Fanning, Lucia M. (☼) (^)

Exploring the Influence of Public Opinion on Fisheries Policy

Chamberlain, Sarah (●)



Sarah Chamberlain, MMM student

Enduring Legacies: Indigenous Communities and the Future of Canada's Coasts

Organizers: Anthony Charles (‡), Saint Mary's University and Marianne Janowicz, BoFEP

Educating the Public about the Oceans

Organizer: Michael Butler (‡), International Ocean Institute-Canada

Moderator: Robert Fournier (^), Marine Affairs Program, Dalhousie University

Panelists

- ◇ Robert Fournier (^): The Ultimate Goal is to Change Human Behaviour
- ◇ Michael Butler (‡): The Role of Short-term Training Programs for Professionals
- ◇ Lynne Gillis: Fundamentals of Communicating the Oceans to the Public School Programs
- ◇ Christine Stortini: "Oceans 11" in Nova Scotia High Schools: A Rejuvenation
- ◇ Paul Boudreau: The Role of Social Media, MOOCs, TEDs etc.
- ◇ Coffen Smout, Scott (◆) [presented by Glen Herbert (◆)]: Ocean Information: The Roles of Primary/Grey Literature and Mapping

Fisheries Science and Management

The Diversity of Fisheries Management of Mi'kmaq Communities in Nova Scotia

Giles, Amber (●); Chamberlain, Sarah (●); Wirz-Held, Mirjam (◆) (●)

The FAO's Voluntary Guidelines for Securing Sustainable Small-scale Fisheries

Charles, Anthony (‡)



Tweet from Robert Chisholm, MP Dartmouth– Cole Harbour regarding the presentation of Amber Giles and Sarah Chamberlain

The Ocean We Want—Youth Session

The Ocean We Want, lead by Alexi Baccardax Westcott of the ACZISC Secretariat, was an opportunity for students from secondary school and university to engage with young professionals and mentors to discuss their vision for the future ocean. MAP contributors were Sonia Jind (●), Jessica MacIntosh (◆), Lisette Muaror-Wilson (◆), Anna Naylor (◆) and Tamara Wilson (◆).

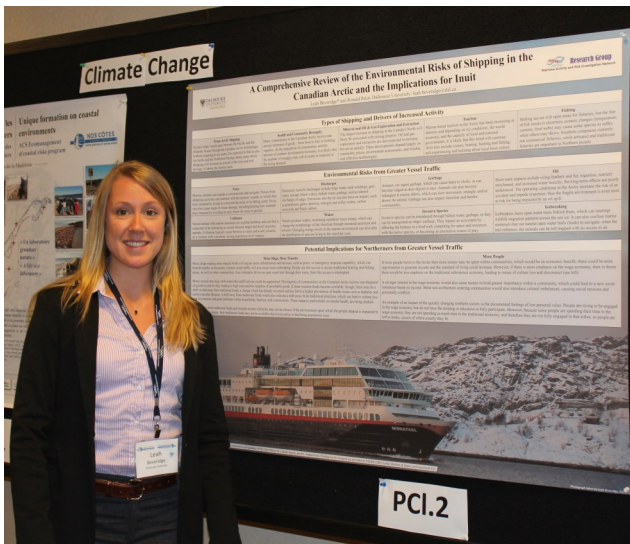


Educating the Public About Oceans panel members (l to r): Robert Fournier, Lynne Gillis, Glen Herbert, Paul Boudreau, Christine Stortini, Michael Butler

Posters

Shipping in the Canadian Arctic: The Risks to the Environment and the Implications for People

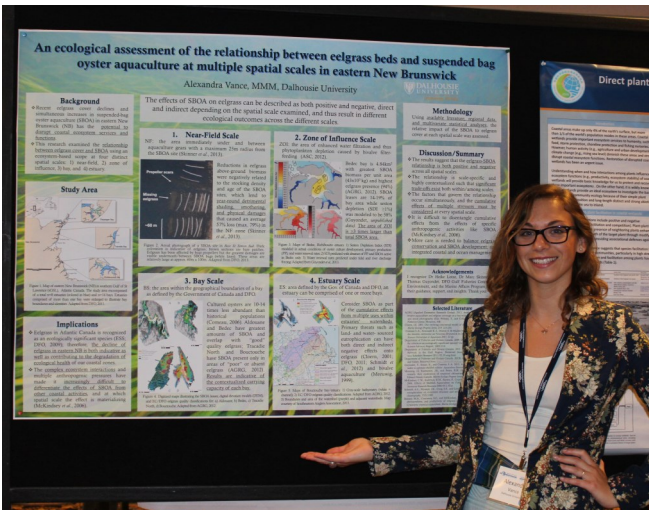
Beveridge, Leah (♦); PELOT, Ron (^)



Leah Beveridge, Research Assistant, MARIN Project, Dalhousie University

An Ecological Assessment of the Relationship Between Eelgrass Beds and Suspended-bag Oyster Aquaculture at Multiple Spatial Scales in Eastern New Brunswick, Atlantic Canada

Vance, Alexandra (♦)



Alexandra Vance, Marine Conservation Specialist, Canadian Wildlife Federation



MMM Student Volunteers pictured above: Nicolas Winkler, Cameron Christensen and Shelby MacLean. Below is Elise Will.

