

Conference Program  
**COASTAL ZONE CANADA 2010**  
**25-29 July 2010, University of Prince Edward Island**  
**Charlottetown, Prince Edward Island**  
*Healthy Oceans – Strong Coastal Communities*  
**VOICES FOR CHANGE**

*For final details, including the presentation schedule and room assignments, please consult the print version of the Conference program and amendments issued during the Conference.*

| <b>SUNDAY, 25 JULY 2010</b> |  |
|-----------------------------|--|
| 09:00 - 21:00               | <p><b>McDougall Hall, Schurman Market Square</b></p> <p><b>REGISTRATION AND INFORMATION DESK</b></p>   |
| 10:00 - 17:00               | <p><b>FIELD TRIP: GREENWICH TO BRACKLEY, PRINCE EDWARD ISLAND</b></p> <p><i>Organizers: Gavin Manson, Geological Survey of Canada, Natural Resources Canada; Robin Davidson-Arnott, University of Guelph; and Donald Forbes, Geological Survey of Canada, Natural Resources Canada</i></p> <p>Participants in this 7 hour excursion will gain insight into past, present and future shoreline processes affecting the central North Shore of Prince Edward Island. Beginning with a short hike and a picnic lunch at a research site in the scenic Greenwich dunes, the trip will proceed west to Brackley Beach, making stops at sites in and outside of the PEI National Park. These sites are helpful in explaining the coastal geomorphology and the erosional and depositional processes that have shaped this iconic section of shoreline.</p> |
| 18:00 - 21:00               | <p><b>McDougall Hall, Schurman Market Square</b></p> <p><b>OPENING RECEPTION</b> - <i>Finger food, refreshments and cash bar</i></p> <p><b>Welcoming Remarks:</b></p> <ul style="list-style-type: none"> <li>• <b>Coastal Zone Canada Association:</b> Grant Gardner, President</li> <li>• <b>University of Prince Edward Island:</b> Wade MacLauchlan, President</li> <li>• <b>Province of Prince Edward Island:</b> Hon. Richard Brown, Minister of Environment, Energy and Forestry</li> <li>• <b>Canadian Coastal Science and Engineering Association:</b> Michael Davies, President</li> </ul>  |

## MONDAY, 26 JULY 2010 - MORNING

|               |  |
|---------------|--|
| 08:00 - 17:00 | <p><b>McDougall Hall, Schurman Market Square</b><br/> <b>REGISTRATION AND INFORMATION DESK</b></p>   |
| 08:30 - 12:00 | <p><b>Duffy 123</b><br/> <b>OPENING PLENARY</b></p>  |
| 08:30 - 09:30 | <p><b>WELCOMING ADDRESSES</b></p> <ul style="list-style-type: none"> <li>• <b>Introductions and Overview of the Coastal Zone Canada Calls to Action:</b> Grant Gardner, President, Coastal Zone Canada Association</li> <li>• <b>Message from the Government of Canada:</b> Senator Michael Duffy, Prince Edward Island member of the Senate of Canada</li> <li>• <b>Message from the Province of Prince Edward Island:</b> Hon. Neil LeClair, Minister of Fisheries, Aquaculture and Rural Development</li> <li>• <b>Message from First Nations:</b> Chief Brian Francis, Abegweit First Nation</li> </ul>  |
| 09:30 - 10:00 | <p><b>YOUTH ON THE COAST 2010</b></p> <p>A culturally diverse group of young people, aged 16 to 26, participated in the Youth Forum held on July 23-25 in conjunction with CZC 2010. They learned about coastal issues, shared skills and perspectives, and created a series of video messages and their Call to action for the CZC 2010 Conference. A Discussion Café on the Youth's Call to Action will take place from 15:30-17:00 this afternoon.</p> <p><i>Moderator: Irene Novaczek, Institute of Island Studies, University of Prince Edward Island</i></p>   |
| 10:00 - 10:30 | <p><b>NUTRITION BREAK: McDougall Hall, Schurman Market Square</b></p>  |
| 10:30 - 12:00 | <p><b>KEYNOTE ADDRESSES</b></p> <p><b>THE CRISIS FACING THE WORLD'S COASTS AND OCEANS and<br/> THE STATE OF CANADA'S COASTS AND OCEANS</b></p> <p><b>Alanna Mitchell and David MacDonald</b></p> <p>Despite our growing and increasingly integrated approaches to coastal and ocean management, most of the world's coastal zones continue to decline in environmental quality. These keynote addresses will provide a global and the Canadian perspective on the challenges we face in our coastal zones and what needs to be done in the immediate years ahead.</p> <p><i>Alanna Mitchell is a journalist and author who writes about science. She is the author of the book "Sea Sick: The Global Ocean in Crisis" (2009). Ms. Mitchell was awarded the 2010 US Grantham Prize for excellence in environmental journalism.</i></p> <p><i>The Hon. David MacDonald is a former Member of the Parliament of Canada and Ambassador to Ethiopia. He was the first chair of the House of Commons Environment Committee and he participated in the Earth Summit in Rio de Janeiro in 1992. He is organizing the first Parliamentary Forum on the health and future of the oceans, to be held in Ottawa this fall.</i></p> <p><i>Moderator: Larry Hildebrand, Environment Canada and Coastal Zone Canada Association</i></p> |
| 12:00 - 13:30 | <p><b>LUNCH: WA Murphy Student Centre, MacMillan Hall</b></p>  |

## MONDAY, 26 JULY 2010 - AFTERNOON

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|---------------|---|---|--|---|--|--|---|
| 13:30 - 15:00 | <p><b>Duffy 135</b></p> <p><b>PLENARY PANEL AND DISCUSSION</b></p> <p><b>GOVERNING VOICES - THE CHALLENGES AND OPPORTUNITIES OF COASTAL MANAGEMENT IN CANADA</b></p> <ul style="list-style-type: none"> <li>• <b>Federal Perspective:</b> Faith Scattolon, Regional Director-General, Fisheries and Oceans Canada, Maritimes Region</li> <li>• <b>First Nations Perspective:</b> Russ Jones, Project Manager, Marine Planning, Haida Nation</li> <li>• <b>Provincial / Territorial Perspective:</b> Justin Huston, Coastal Zone Advisor, Nova Scotia Department of Fisheries and Aquaculture</li> <li>• <b>Municipal Perspective:</b> John Charles, Planner, Halifax Regional Municipality</li> </ul> <p>Canada has made substantial, although still insufficient, progress in its efforts to bring more integrated and collaborative approaches to coastal governance. The panellists, representing the governance spectrum in Canada, will present their views on both the challenges and the opportunities as we move towards a fully integrated and well managed coastal environment in Canada.</p> <p><i>Moderator: Ratana Chuenpagdee, Memorial University and International Ocean Institute-Canada</i></p> |   |  |   |  |  |   |
| 15:00 - 15:30 | <p><b>NUTRITION BREAK: McDougall Hall, Schurman Market Square</b></p>   |   |  |   |  |  |   |
| 15:30 - 17:00 | <p><b>PAPER SESSIONS</b></p>  |   |  |   | <p><b>DISCUSSION CAFÉ</b></p>  | <p><b>PANEL</b></p>  | <p><b>WORKSHOP</b></p>  |
|               | <p><b>Room:</b><br/><b>McDougall 328</b></p> <p><b>Session theme:</b><br/><b>ECOSYSTEM HEALTH</b></p> <p><i>Chair: Tim Webster, Applied Geomatics Research Group</i></p>  | <p><b>Room:</b><br/><b>McDougall 329</b></p> <p><b>Session theme:</b><br/><b>COASTAL AND OCEAN GOVERNANCE</b></p> <p><i>Chair: Elizabeth De Santo, Dalhousie University</i></p> | <p><b>Room:</b><br/><b>McDougall 242</b></p> <p><b>Session theme:</b><br/><b>MARINE RESOURCE MANAGEMENT</b></p> <p><i>Chair: Delly Keen, Fisheries and Oceans Canada</i></p> | <p><b>Room: Kelley 211</b></p> <p><b>Session theme:</b><br/><b>INTEGRATED COASTAL AND OCEAN MANAGEMENT LAW AND POLICY</b></p> <p><i>Chair: Sue Nichols, University of New Brunswick</i></p> | <p><b>Room: Schurman Market Square</b></p> <p><b>Topic: YOUTH ON THE COAST</b></p> <p><i>Leads: Kaley MacDonald and Scott Bradley</i></p> <p>The Discussion Café will follow up on the discussions at the Youth Forum held on July 23-25 in conjunction with CZC 2010.</p> | <p><b>Room: Duffy 135</b></p> <p><b>Topic: PARTICIPATORY ACTION RESEARCH: ALLOWING COASTAL COMMUNITIES, POLICY-MAKERS AND RESEARCHERS TO JOINTLY EXPLORE STRATEGIES TO ADAPT TO CLIMATE CHANGE</b></p> <p><i>Moderator: Guy Jobbins, International Development Research Centre</i></p> | <p><b>Room: McDougall 243</b></p> <p><b>Topic: TIME FOR A PROVINCIAL / TERRITORIAL VOICE? DOES CANADA NEED THE EQUIVALENT OF THE US COASTAL STATES ORGANIZATION?</b></p> <p><i>Convenor: Larry Hildebrand, Coastal Zone Canada Association</i></p> <ul style="list-style-type: none"> <li>• <b>US Coastal States Organization voice,</b> Kristen Fletcher, Executive Director</li> <li>• <b>US Federal voice,</b> Gary Magnuson,</li> </ul> |
| 15:35 - 15:55 | <p><b>Eutrophication of Prince Edward Island inlets,</b> Gary Bugden, Fisheries and Oceans Canada</p>   | <p><b>Towards a coastal area definition for Nova Scotia,</b> Chris Burbidge, Dalhousie University</p>   | <p><b>Small-scale fisheries: connecting human rights, fishing rights and food sovereignty,</b> Tony Charles, St. Mary's University</p>                                       | <p><b>Canada and St. Pierre and Miquelon transboundary relations: battles and bridges,</b> Phillip Saunders and David VanderZwaag, Dalhousie University</p>                                 |  |  |   |

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| 15:55 - 16:15 | <b>Sea lettuce (Ulva) in Prince Edward Island</b> , Cynthia Crane, Prince Edward Island Dept of Environment, Energy and Forestry                                    | <b>Finding common ground on a term to facilitate improved management in a large diverse area of the earth's surface: the coastshed</b> , Paul Boudreau, ACZISC Secretariat | <b>Tourism and fisheries: conflict and complementarity in Canada and the Caribbean</b> , Patrick McConney, University of West Indies  | TBA   |  | Due to low adaptive capacity, Africa is the continent most vulnerable to climate change, and rapidly growing and urbanising coastal communities face complex, dynamic and diverse threats to advances in human development. This panel offers perspectives on the climate challenges faced by African coastal communities and the opportunities for generating solutions through multi-stakeholder action research. | National Oceanic and Atmospheric Administration (NOAA)<br><ul style="list-style-type: none"> <li>• <b>US State voice</b>, John Watkins, Ohio Office of Coastal Management</li> <li>• <b>Provincial voices</b>:<br/>David MacEwen, Prince Edward Island Dept of Fisheries and Aquaculture<br/>Justin Huston, Nova Scotia Dept of Fisheries and Aquaculture<br/>Nicole Hynes, Newfoundland and Labrador Dept of Fisheries and Aquaculture</li> </ul> |
| 16:15 - 16:35 | <b>Airborne LiDAR fluorescence analysis for the quantification of water quality characteristics</b> , Stephanie Rogers, Acadia University                           | <b>At the table: the role of women in Prince Edward Island fisheries management</b> , Sarah Roach-Lewis, Women for Environmental Sustainability                            | <b>Canada - Spain collaboration on sustainable mussel aquaculture</b> , Ramón Filgueira, Dalhousie University   | <b>An evaluation of coastal management policies in British Columbia</b> , Haley Haggerstone, Surfrider Foundation   |  |   |  |
| 16:35 - 16:55 | <b>Water Education, Monitoring and Outreach Program, Prince Edward Island</b> , Samantha Doucette and Tracy Brown, Bedeque Bay Environmental Management Association | <b>Setting a new course for coastal management in Canada</b> , Colleen Mercer Clarke, Dalhousie University   | <b>Integrated Coastal Zone Management in Atlantic Canada: the case of Atlantic herring</b> , Rob Stephenson, Fisheries and Oceans Canada and Dan Lane, University of Ottawa | <b>Integrated Coastal and Ocean Management law and policy in the European Union and Canada: comparing approaches and lessons in complex jurisdictions</b> , Aldo Chircop and Ryan O'Leary, Dalhousie University |  | <ul style="list-style-type: none"> <li>• <b>The socioeconomic and institutional basis for climate change adaptation in Small Island Developing States: the case of Cape Verde Islands</b>, Anildo Costa, Sol &amp; Vento</li> <li>• <b>La pêche Ouest africaine au risque des changements climatiques : pour une cohérence dans les politiques d'adaptation</b>, Cheikh Guèye,</li> </ul>                           | <i>Note: Workshop continues until 17:00.</i>   |

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|  |  |  |  |  |  | <p>Enda Tiers<br/>Monde</p> <ul style="list-style-type: none"> <li>• <b>Adaptation to sea level rise and climate extreme events: a case study from Morocco,</b> Abdellatif Khattabi, École nationale forestière d'ingénieurs</li> <li>• <b>Participatory assessment of socioeconomic vulnerability to sea level rise: case study Gamasa - Ras El Barr coastal area, Egypt,</b> Mohamed Abdrabo, University of Alexandria</li> <li>• <b>Questions / discussion</b></li> </ul> <p><i>Note: Panel continues until 17:00.</i></p> |  |
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## MONDAY, 26 JULY 2010 - EVENING

### FIELD TRIPS

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| 16:15 | <p><b>BASIN HEAD MARINE PROTECTED AREA AND THE SOURIS WATERSHED PROJECT, PRINCE EDWARD ISLAND</b></p> <p><i>Organizers: Delly Keen and Randy Power, Fisheries and Oceans Canada and Fred Cheverie, Souris and Area Branch of the PEI Wildlife Federation</i></p> <p>Delegates will take a scenic drive to eastern PEI to visit the Basin Head Marine Protected Area (MPA). The Basin Head ecosystem, designated as an MPA in October 2005, is inhabited by a rich diversity of plants, fish, mammals and birds. Most notable is the unique form of Irish moss (<i>Chondrus crispus</i>) which has a life cycle and habitat limited to the Basin Head ecosystem. Delegates will have the opportunity to learn about the MPA and its special strain of Irish moss. Delegates will also learn about a project involving the enhancement of wildlife habitat and water quality in the Souris River, and the Watershed Evaluation of Best Management Practices Project, which is evaluating the watershed scale effects of utilizing spring ploughing versus fall ploughing following the hay crop in a potato-grain-hay rotation system.</p> |
| 17:15 | <p><b>COVEHEAD WATERSHED, PRINCE EDWARD ISLAND</b></p> <p><i>Organizer: Sarah Jane Bell, Southeast Environmental Association</i></p> <p>The Friends of Covehead-Brackley Bay Watershed Group will lead delegates through four sites to illustrate examples of effective highway erosion reduction measures, natural springs, and other stream improvement measures including brush mats, digger log, rock dams, cleaned springs, hanging culverts, and stream crossings. The trip will conclude with a short presentation of recent watershed activities and an open discussion. Delegates will be taken through the scenic community of Stanhope, adjacent to the Stanhope Golf Course.</p>   |

## TUESDAY, 27 JULY 2010 - MORNING

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|----------------------|--|--|---|---|---|---|
| 08:00 - 19:00        | <b>McDougall Hall, Schurman Market Square</b><br><b>REGISTRATION AND INFORMATION DESK</b>  |  |   |   |   |   |
| 08:30 - 10:00        | <b>PLENARY: Duffy 135</b>  |  |   |   |   |   |
| <i>08:30 - 09:00</i> | <b>OBSERVATIONS AND INSIGHTS FROM DAY 1: Social Network Update</b><br><b>TODAY'S GOALS AND OBJECTIVES:</b> Grant Gardner, President, Coastal Zone Canada Association   |  |   |   |   |   |
| <i>09:00 - 10:00</i> | <b>PANEL AND DISCUSSION</b><br><b>BRIDGING VOICES - LINKING LAND AND OCEAN PLANNING AND MANAGEMENT</b> <ul style="list-style-type: none"> <li>Brian Emmett, Vice President, Archipelago Marine Research Ltd</li> <li>Tim Hennessey, Professor of Marine Affairs, University of Rhode Island</li> <li>Colleen Mercer Clarke, Landscape Architect and Coastal Ecologist</li> </ul> <p>One of the highest priorities identified in all Coastal Zone Canada conferences to date and in the international dialogue on integrated coastal and ocean planning and management is the need to bridge the land-sea divide. Land-sea integration, one of the most fundamental principles of Integrated Coastal and Ocean Management, remains its most resistant challenge. This Panel will review international expectations and national approaches to addressing this issue, and highlight practical steps that must be taken to overcome this divide.</p> <p><i>Moderator: Peter Ricketts, Carleton University and Coastal Zone Canada Association</i></p> |  |   |   |   |   |
| 10:00 - 10:30        | <b>NUTRITION BREAK: McDougall Hall, Schurman Market Square</b>   |  |   |   |   |   |
| 10:30 - 12:00        | <b>PAPER SESSIONS</b>  |  |   |   | <b>WORKSHOP</b>   | <b>PANEL</b>  |
|                      | <b>Room: McDougall 243</b><br><b>Session theme:</b><br><b>COMMUNITIES AND ICOM</b><br><i>Chair: Tony Charles, Saint Mary's University</i>  | <b>Room: McDougall 328</b><br><b>Session theme:</b><br><b>ARCTIC ISSUES</b><br><i>Chair: Brad Barr, National Oceanic and Atmospheric Administration (NOAA)</i> | <b>Room: McDougall 242</b><br><b>Session theme:</b><br><b>COASTAL AND OCEAN GOVERNANCE</b><br><i>Chair: Aldo Chircop, Dalhousie University</i>  | <b>Room: McDougall 329</b><br><b>Session theme:</b><br><b>RISK ANALYSIS AND DECISION MAKING</b><br><i>Chair: Matthew Hardy, Fisheries and Oceans Canada</i> | <b>Room: McDougall 246</b><br><b>Topic: INFORMATION MANAGEMENT FOR INTEGRATED COASTAL AND OCEAN MANAGEMENT</b><br><i>Convenor: Paul Boudreau, ACZISC Secretariat</i>  | <b>Room: Duffy 135</b><br><b>Topic: TRANS-BOUNDARY ENVIRONMENTAL INDICATORS: MAKING COMPLEX SYSTEMS UNDERSTANDABLE</b><br><i>Moderator: Susan Russell-Robinson, US Geological Survey</i>  |
| <i>10:35 - 10:55</i> | <b>Ten years of bridging land and sea: snapshots of a collective and regional approach to sustainability in a coastal zone,</b> Chantal Gagnon, Southern Gulf of St. Lawrence Coalition on Sustainability  | <b>The value of maritime heritage to Arctic conservation,</b> Brad Barr, National Oceanic and Atmospheric Administration                                       | <b>Our coast: the role of "State of the Coast" reporting in addressing Nova Scotia's priority coastal issues,</b> Sean Weseloh McKeane, Nova Scotia Dept of Fisheries and Aquaculture | <b>A proposed risk-based management approach for managing activities affecting Canada's oceans,</b> Martine Giangioppi, Fisheries and Oceans Canada         | The Workshop will highlight progress in, and the continuing challenges of, information management. Presenters will provide overviews of information management, online mapping and the latest in research on assessing the impact of information on management. Following the | Panellists will describe and illustrate different indicator suites used to assess the state of ecosystems, showcase products designed to strengthen decision-making and environmental management, and discuss lessons learned from working with decision-makers |
| <i>10:55 - 11:15</i> | <b>Community-led Integrated Coastal Zone Management: a case study from Malpeque Bay, Prince Edward Island,</b> Orlando Harvey, Dalhousie University  | <b>Satellite remote sensing in the Mackenzie River Delta,</b> Michael Brown, Dalhousie University  | <b>Key elements of ocean and coastal governance: values, images and principles,</b> Ratana Chuenpagdee, Memorial University   | <b>Airborne LiDAR for coastal zone risk mapping in the Maritime Provinces,</b> Tim Webster, Applied Geomatics Research Group                                |   |   |

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| 11:15 - 11:35  | Incorporating the coastal concerns of primary stakeholders in St. Margaret's Bay, Nova Scotia into the planning and management of the coast, Alexi Baccardax, Dalhousie University | Recent shoreline changes in the western Canadian Arctic, Dustin Whalen, Geological Survey of Canada, Natural Resources Canada | The importance of legislative frameworks for Integrated Coastal Zone Management programmes: a case study of the India experience, Tony George Puthucherril, Dalhousie University | A pilot project for the conservation of capelin in the estuary and the Gulf of St. Lawrence using a risk-based approach, Gilles Tremblay, Fisheries and Oceans Canada | opening comments, an open discussion will be promoted amongst all participants in an effort to develop a common view on the current state of information management and the priorities for future improvement. Presenters include:   | and other user groups. Additionally, there will be a presentation on blending traditional knowledge and science to help understand and manage environmental resources and protect mother earth. Presenters include:   |
| 11:35 - 11:55  | TBA  | State of the Arctic Coast 2010 report, Donald Forbes, Geological Survey of Canada, Natural Resources Canada                   | The Arctic Council Working Group for Protection of the Arctic Marine Environment's contributions to coastal and ocean governance, Julie Potter, Fisheries and Oceans Canada      | Nova Scotia coastal infrastructure risk assessment, Andrew McGillis, W.F. Baird & Associates Coastal Engineers Ltd  | <ul style="list-style-type: none"> <li>• Paul Boudreau, ACZISC Secretariat</li> <li>• Justin Huston, Nova Scotia Dept of Fisheries and Aquaculture</li> <li>• Mary Lynn McCourt, PEI Dept of Environment, Energy and Forestry</li> <li>• Elaine Toms, Dalhousie University</li> <li>• Bertrum MacDonald, Dalhousie University</li> <li>• Peter Wells, Dalhousie University, International Ocean Institute-Canada and BoFEP</li> </ul> <p><i>Note: Workshop continues until noon.</i></p> | <ul style="list-style-type: none"> <li>• <b>Gulf of Maine:</b> Christine Tilburg, Gulf of Maine Council on the Marine Environment; Kathryn Parlee, Environment Canada; and Susan Russell-Robinson, US Geological Survey</li> <li>• <b>Coast Salish Annual Canoe Journey:</b> Sarah Akin and Eric Grossman</li> <li>• <b>Georgia Basin - Puget Sound:</b> Jennie Wang, Environment Canada</li> <li>• <b>Great Lakes:</b> Nancy Stadler-Salt, Environment Canada</li> <li>• <b>Discussion / questions</b></li> </ul> <p><i>Note: Panel continues until noon. A Discussion Café on this topic will take place from 13:30-15:00 this afternoon.</i></p> |
| 12:00 - 13:00 <b>LUNCH: WA Murphy Center, MacMillan Hall</b> |  |   |  |   |  |   |

## TUESDAY, 27 JULY 2010 - AFTERNOON

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|---------------|---|--|--|---|--|---|---|
| 13:00 - 13:30 | <p style="color: red; margin: 0;"><b>Duffy 135</b></p> <p><b>PLENARY</b></p> <p><b>LOCAL VOICES AT THE FRONT LINE – STRENGTHENING COASTAL COMMUNITIES</b></p> <p>Melanie Wiber, Professor, Department of Anthropology, University of New Brunswick and<br/>                 Randall Angus, Director of Integrated Resource Management, Mi'kmaq Confederacy of Prince Edward Island</p> <p>This presentation will highlight on-the-ground experiences and ongoing issues relating to coastal community engagement in ocean and coastal management. The presentation will explore the knowledge, capacity building and policy change needed to increase community inclusion in these processes.</p> <p><i>Moderator: Kathryn Parlee, Environment Canada</i></p> |  |  |   |  |   |   |
| 13:30 - 15:00 | <b>PAPER SESSIONS</b>   |  |  |   | <b>WORKSHOPS</b>   |   | <b>DISCUSSION CAFÉ</b>  |
|               | <p><b>Room:</b><br/><b>McDougall 243</b></p> <p><b>Session theme:</b><br/><b>COASTAL COMMUNITIES AND COASTAL MANAGEMENT</b></p> <p><i>Chair: Madelaine Patterson, Coastal Community-University Research Alliance</i></p>  | <p><b>Room:</b><br/><b>McDougall 328</b></p> <p><b>Session theme:</b><br/><b>COASTAL MANAGEMENT STRATEGIES</b></p> <p><i>Chair: Wayne Barchard, Environment Canada</i></p>   | <p><b>Room:</b><br/><b>McDougall 242</b></p> <p><b>Session theme:</b><br/><b>AQUACULTURE</b></p> <p><i>Chair: Neil MacNair, Prince Edward Island Dept of Fisheries and Aquaculture</i></p> | <p><b>Room:</b><br/><b>McDougall 329</b></p> <p><b>Session theme:</b><br/><b>SOCIAL, ECONOMIC AND CULTURAL VALUES IN SUPPORT OF ICOM</b></p> <p><i>Chair: Ray MacIsaac, Fisheries and Oceans Canada</i><br/> <i>A Discussion Café on this topic will take place this afternoon.</i></p> | <p><b>Room:</b><br/><b>McDougall 246</b></p> <p><b>Topic:</b> <b>LINKING CULTURES TO PROTECT MOTHER EARTH: GOVERNANCE FOR CONSERVATION</b></p> <p><i>Convenors: Marianne Janowicz and Hugh Akagi, Bay of Fundy Ecosystem Partnership (BoFEP)</i></p>   | <p><b>Room:</b> <b>Kelley 211</b></p> <p><b>Topic:</b> <b>THE C-CHANGE INTERNATIONAL COMMUNITY-UNIVERSITY RESEARCH ALLIANCE (ICURA) PROJECT</b></p> <p><i>Convenor: Dan Lane, C-Change ICURA</i></p> <p>The C-CHANGE project consists of interdisciplinary teams drawn from communities, universities and the private sector in both Canada and the Caribbean. The teams are working to identify and map affected infrastructure, to assess their vulnerabilities, to develop risk management</p> | <p><b>Room:</b> <b>Schurman Market Square</b></p> <p><b>Topic:</b> <b>TRANS-BOUNDARY ENVIRONMENTAL INDICATORS: MAKING COMPLEX SYSTEMS UNDERSTANDABLE</b></p> <p><i>Lead: Susan Russell-Robinson, USGS</i></p> <p>This Discussion Café is a follow-up to the Panel held this morning (Tuesday, 27 July) from 10:30 to noon on this topic.</p> <p>Questions to be discussed include:</p> <ul style="list-style-type: none"> <li>• What indicators do the three trans-boundary efforts have in common?</li> <li>• Are there combinations of similar</li> </ul> |
| 13:35 - 13:55 | <p><b>Building capacity for Integrated Coastal Management: civil society engagement in high schools,</b> Velta Douglas, University of New Brunswick</p>   | <p><b>Coastal management: bridging the land-water divide,</b> Marc Ouellette, Fisheries and Oceans Canada</p>  | <p><b>The growth and challenges of aquaculture in Prince Edward Island,</b> Kim Gill, Prince Edward Island Dept of Fisheries and Aquaculture</p>   | <p><b>Ecosystem-based management and science tools for coastal communities,</b> Jon Grant, Dalhousie University</p>   | <p>The Workshop will explore the evolution of the Western concepts of Conservation. It will also explore the foundations of Aboriginal culture (traditional governance structures and oral traditions), seeking ways of reforging the relationship among cultures to protect Mother Earth.</p> |   |   |
| 13:55 - 14:15 | <p><b>Institutional gaps in Canadian community-based management: the case of the Fundy Fixed Gear Council,</b> Hubert Saulnier and Carolea White, Fundy Fixed Gear Council</p>  | <p><b>Linking land to ocean in coastal planning: a comparative study of municipalities in Iceland and Norway,</b> Morten Edvardsen, Norwegian University of Life Science</p> | <p><b>Overview of the oyster enhancement program conducted by the Prince Edward Island Shellfish Association,</b> Frank Hansen, PEI Shellfish Association</p>                              | <p><b>Piloting the mapping of socio-cultural values and place attachment on a small island,</b> Irene Novaczek, Institute of Island Studies</p>   | <p>The Workshop will explore the evolution of the Western concepts of Conservation. It will also explore the foundations of Aboriginal culture (traditional governance structures and oral traditions), seeking ways of reforging the relationship among cultures to protect Mother Earth.</p> |   |   |

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| <p>14:15 - 14:35</p> | <p><b>Alternative dispute resolution: can it advance the stated policies of Integrated Management in Canadian fisheries and oceans?</b>, Courtenay Parlee, Coastal CURA</p>        | <p><b>Thinking outside the sandbox: why management strategies for sandy beaches benefit from a plover's eye view</b>, Sue Abbott, Bird Studies Canada</p> | <p><b>The development of the salmon aquaculture industry in southwestern New Brunswick, Bay of Fundy, 1978 to the present: changes in selected farm parameters and management policies</b>, Blythe Chang, Fisheries and Oceans Canada</p> | <p><b>Community governance perspectives support social-ecological systems and resilience</b>, Lisette Wilson, Dalhousie University</p> | <p>Presenters:</p> <ul style="list-style-type: none"> <li>• Peter Wells, Dalhousie University, International Ocean Institute-Canada and BoFEP</li> <li>• Gkisedtana-moogk, Wampanoag elder</li> <li>• Alma Brooks, Maliseet elder</li> </ul> <p><i>Note: Workshop continues until 15:00.</i></p> | <p>scenarios, and to prepare Community Adaptation Action Plans to address the anticipated changes.</p> <p>Presenters:</p> <ul style="list-style-type: none"> <li>• <b>Community adaptation to coastal climate change: Canada and the Caribbean</b>, John Clarke, University of Ottawa</li> <li>• <b>Project research methodology</b>, Dan Lane, University of Ottawa</li> <li>• <b>C-Change partner and community of interest</b>, Don Poole, City of Charlottetown (TBC)</li> <li>• <b>Caribbean community experience and work to date</b>, Patrick Watson and Michael Sutherland, University of West Indies</li> <li>• <b>Discussion / questions</b></li> </ul> <p><i>Note: Workshop continues until 15:00.</i></p> | <p>indicators that could be used to make indices?</p> <ul style="list-style-type: none"> <li>• What capacity building efforts between Canada and the United States, or between the three trans-boundary indicator efforts, would greatly advance data collection or monitoring to deliver best indicators to local and regional decision-makers</li> <li>• What indicator tools need to be developed or improved to greatly increase ease of use and widen the pool of users?</li> </ul> |
| <p>14:35 - 14:55</p> | <p><b>Learning to share: communication and information flow regarding the south west New Brunswick finfish aquaculture industry</b>, Donna Curtis, University of New Brunswick</p> | <p><b>Designing integrated coastal zone programs for reducing non-point source pollution</b>, Timothy Hennessey, University of Rhode Island</p>           | <p><b>Aquatic Invasive Species - research priorities</b>, Jeff Davidson, Atlantic Veterinary College</p>  | <p><b>The Green Shores rating and certification system for coastal developments</b>, Brian Emmett, Archipelago Marine Research</p>     | <p><i>Note: Workshop continues until 15:00.</i></p>  |   |  |

## TUESDAY, 27 JULY 2010 - AFTERNOON

| 15:00 - 15:30        | NUTRITION BREAK: McDougall Hall, Schurman Market Square   |  |   |   |   |   |
|----------------------|---|--|---|---|---|---|
| 15:30 - 17:00        | PAPER SESSIONS  |  |   | COMMUNITY FORUM   | DISCUSSION CAFÉS  | FIELD TRIP  |
|                      | <b>Room: McDougall 243</b><br><b>Session theme:</b><br><b>COASTAL ISSUES</b><br><i>Chair: Patricia Manuel, Dalhousie University</i>   | <b>Room: McDougall 328</b><br><b>Session theme:</b><br><b>MARINE PROTECTED AREAS</b><br><i>Chair: Laura Park, Fisheries and Oceans Canada</i>                    | <b>Room: McDougall 242</b><br><b>Session theme:</b><br><b>COASTAL PROCESSES</b><br><i>Chair: Terence Day, Okanagan College</i>  | <b>Room: McDougall 329</b><br><b>Topic: COASTAL COMMUNITIES AND COASTAL MANAGEMENT</b><br><i>Convenor: Coastal Community-University Research Alliance (Coastal CURA)</i><br><br>The Community Forum will focus on practical issues faced by coastal communities, and lessons learned by these communities, in dealing with the management of coasts and oceans across Canada (and beyond). The forum will facilitate discussions among coastal communities, community organizations, NGOs, researchers and other participants, to explore next steps in policy and practice, and opportunities for building on connections across the country.<br><br>Questions for discussion may include: | <b>HELD CONCURRENTLY</b><br><br><b>Room: Schurman Market Square</b><br><b>Topic: SOCIAL, ECONOMIC AND CULTURAL VALUES IN SUPPORT OF INTEGRATED COASTAL AND OCEAN MANAGEMENT</b><br><i>Lead: Ray MacIsaac, Fisheries and Oceans Canada</i><br><br>This Discussion Café is a follow-up to the Paper Session held this afternoon (Tuesday, 27 July) from 13:30 to 15:00 on this topic.<br><br><b>Room: Schurman Market Square</b><br><b>Topic: LIFE AFTER THE OCEAN MANAGEMENT RESEARCH NETWORK (OMRN): WHO SPEAKS FOR OUR OCEANS AND COASTS?</b><br><i>Lead: Dan Lane, Ocean Management Research Network (OMRN)</i> | <b>MUSSEL AQUACULTURE IN PRINCE EDWARD ISLAND: AN EDUCATIONAL CRUISE DOWN THE MONTAGUE RIVER</b><br><i>Organizer: PEI Dept of Fisheries, Aquaculture and Rural Development</i><br><br>The cruise will stop at one of the aquaculture leases in the Montague River to witness a typical mussel harvesting operation and see how the farmers are managing the recent tunicate fouling problem. Delegates will also get a chance to examine how the lobster fishery on the Island operates and discuss the state of the fishery. An educational lobster trap will be hauled. Dinner is included. |
| <b>15:35 - 15:55</b> | <b>Communication networks for Integrated Management: a case study of the Placentia Bay/ Grand Banks Large Ocean Management Area</b> , Amy Tucker, Memorial University                     | <b>Exploring areas of ecological significance along the Atlantic Coast of Nova Scotia for conservation planning</b> , Aimee Gromack, Fisheries and Oceans Canada | <b>Analysis of the short and long-term processes involved in coastline erosion</b> , Nathan Crowell, Applied Geomatics Research Group                                 |   |   |   |
| <b>15:55 - 16:15</b> | <b>A temporal and spatial assessment of persistent marine debris accumulation seaward of the Cardiff Bay Barrage, South Wales, UK</b> , Michael Phillips, Swansea Metropolitan University | <b>Management planning for Gwaii Haanas National Marine Conservation Area Reserve and Haida Heritage Site</b> , Norm Sloan, Parks Canada                         | <b>Coastal morphology and the implications of sand mining: West Point, Prince Edward Island</b> , Michael Davies, Coldwater Consulting Ltd                            |   |   |   |
| <b>16:15 - 16:35</b> | <b>Mapping of eelgrass (Zostera marina) landscapes: data for a spatially complex mosaic</b> , Jeffrey Barrell, Dalhousie University   | <b>Commercial fisheries closures in Marine Protected Areas on Canada's Pacific Coast: the exception not the rule</b> , Carrie Robb, Living Oceans Society        | <b>Coastal erosion and climate change / variability impacts in the Pacific Rim National Park Reserve, British Columbia</b> , Hawley Beaugrand, University of Victoria |   |   |   |

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| <p>16:35 - 16:55</p> | <p><b>Challenges of successful integrated coastal zoning: lessons from the southern part of the Gulf of Thailand,</b> Suvaluck Satumanatpan, Mahidol University</p> | <p><b>Basin Head post Marine Protected Area designation: monitoring and management,</b> Ray MacIsaac, Fisheries and Oceans Canada</p> | <p><b>Geomorphology, sedimentology, and management issues: Hog Island (Pemanggiag) sandhills, Prince Edward Island,</b> Norm Catto, Memorial University</p> | <ul style="list-style-type: none"> <li>• What are the most significant barriers to the participation of coastal communities in integrated ocean and coastal management?</li> <li>• What are the top three priorities to improve the role of coastal communities in integrated ocean and coastal management institutions?</li> <li>• What role should governments, research organizations, coastal communities, NGOs, and others play in overcoming the barriers and tackling the above priorities?</li> </ul> <p><i>Note: Forum continues until 17:00.</i></p> | <p>This Discussion Café will pose several questions:</p> <ul style="list-style-type: none"> <li>• How can the study of the human dimensions of oceans and coastal policy be delivered?</li> <li>• What is the role of the government in the study of the human dimensions of oceans and coastal policy?</li> <li>• What are the roles of researchers, coastal communities, industry, and stakeholders in contributing to oceans and coastal policy?</li> </ul> <p>The Discussion Café will include members of the OMRN Network Secretariat (including Maureen Woodrow, Executive Director, and Kaitlin Fahey, Coordinator), as well as OMRN Board Members, Working Groups members, and members present.</p> |  |
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## TUESDAY, 27 JULY 2010 - EVENING

18:00 - 19:00

**McDougall Hall, Schurman Market Square**

**POSTER SESSION AND DISPLAYS** – *author(s) present and refreshments available*

*Note: The posters will be available for viewing throughout the Conference.*

- **Aboriginal oral knowledge**, Hugh Akagi, Bay of Fundy Ecosystem Partnership
- **Assessment of scenic preferences and aesthetic resources in Washington State coastal parks using internet-based geospatial techniques**, Anthony Gabriel, Central Washington University
- **Basin Head post Marine Protected Area designation: monitoring and management**, Marie-Hélène Thériault and Julie Whalen, Fisheries and Oceans Canada
- **Dalhousie University's Marine Affairs Program**, Becky Field, Dalhousie University
- **Ecosystem indicators and tools in the Gulf of Maine**, Christine Tilburg, Gulf of Maine Council on the Marine Environment
- **From science to policy making: investigating the use and influence of marine environmental grey literature**, Suzuette Soomai, Dalhousie University
- **Habitat models for species at risk in the Bay of Fundy**, Martha Baldwin, Dalhousie University
- **Identifying priority marine conservation areas on the US west coast using MARXAN**, Jo Smith, The Nature Conservancy
- **Impacts of climate change on coastal communities and mangrove ecosystems: local vulnerabilities and local perceptions**, Tiffanie Rainville, Dalhousie University
- **Preliminary analysis of information needs of coastal and ocean managers**, Jennifer Weldon, Dalhousie University
- **Quantification of coastal erosion and rock cliff recession: photogrammetric analysis and environmental monitoring, Acadian Peninsula, New Brunswick**, Julie Patry-Hérard, Université du Québec à Rimouski
- **Towards participatory governance in the fish marketing system: Canada and the Caribbean**, Sarita Williams-Peter, Dalhousie University

19:00 - 20:00

**Andrew Hall 142**

**ANNUAL GENERAL MEETING OF THE COASTAL ZONE CANADA ASSOCIATION (CZCA)**

*Everyone is welcome - refreshments available !!!*

**The meeting will be followed by discussions of the future of the CZCA.**

## WEDNESDAY, 28 JULY 2010 - MORNING

|                      |  |   |   |  |   |  |
|----------------------|--|---|---|--|---|--|
| 08:00 - 17:00        | <b>McDougall Hall, Schurman Market Square</b>  |   |   |  |   |  |
|                      | <b>REGISTRATION AND INFORMATION DESK</b>   |   |   |  |   |  |
| 08:30 - 10:00        | <b>Duffy 135</b>   |   |   |  |   |  |
|                      | <b>PLENARY SESSION</b>   |   |   |  |   |  |
| <i>08:30 - 09:00</i> | <b>OBSERVATIONS AND INSIGHTS FROM DAY 2: Social Network Update</b><br><b>TODAY'S GOALS AND OBJECTIVES:</b> Grant Gardner, President, Coastal Zone Canada Association   |   |   |  |   |  |
| <i>09:00 - 10:00</i> | <b>PANEL AND DISCUSSION</b>  |   |   |  |   |  |
|                      | <b>VOICES FOR THE FUTURE - PLANNING FOR THE IMPACTS OF CLIMATE CHANGE</b>  |   |   |  |   |  |
|                      | <ul style="list-style-type: none"> <li>• William Kamphuis, Professor Emeritus, Faculty of Engineering and Applied Science, Queens University</li> <li>• Donald Forbes, Research Scientist, Geological Survey of Canada, Natural Resources Canada</li> </ul> <p><i>Moderator: Michael Davies, President, Canadian Coastal Science and Engineering Association (CCSEA)</i></p> |   |   |  |   |  |
| 10:00 - 10:30        | <b>NUTRITION BREAK: McDougall Hall, Schurman Market Square</b>   |   |   |  |   |  |
| 10:30 - 12:00        | <b>PAPER SESSIONS</b>  |   |   |  | <b>WORKSHOP</b>   | <b>PANEL</b>   |
|                      | <b>Room: McDougall 243</b><br><b>Session theme: COASTAL ISSUES</b><br><i>Chair: Sean Weseloh McKeane, Nova Scotia Dept of Fisheries and Aquaculture</i>  | <b>Room: McDougall 328</b><br><b>Session theme: MARINE SPATIAL PLANNING</b><br><i>Chair: Brad Barr, National Oceanic and Atmospheric Administration</i> | <b>Room: McDougall 242</b><br><b>Session theme: COASTAL PLANNING</b><br><i>Chair: Karen Traversy, Coastal Coalition of Nova Scotia</i>  | <b>Room: McDougall 329</b><br><b>Session theme: COASTAL MANAGEMENT</b><br><i>Chair: Pete Zuzek, W.F. Baird &amp; Associates Coastal Engineers Ltd</i>                    | <b>Room: Kelley 211</b><br><b>Topic: WORKING TOGETHER FOR CLIMATE CHANGE ADAPTATION</b><br><i>Convenors: Gary Davidson and Beate Bowron, Canadian Institute of Planners</i>                                 | <b>Room: Duffy 135</b><br><b>Topic: CLIMATE CHANGE ADAPTATION IN ATLANTIC CANADA</b><br><i>Moderator: Will Green, Nova Scotia Dept of Environment</i><br><br>Panellists:   |
| <i>10:35 - 10:55</i> | <b>Maine's working waterfront access pilot program</b> , Hugh Cowperthwaite, Coastal Enterprises Inc   | <b>Institutional dimensions and environmental justice implications of maritime spatial planning</b> , Elizabeth De Santo, Dalhousie University          | <b>Coastal planning for adaptation to climate change in the Halifax Regional Municipality, Nova Scotia: scenarios for a 100-year planning horizon</b> , John Charles, Halifax Regional Municipality | <b>The Alternative Land Use Services (ALUS) Program: going above and beyond legislation</b> , Shawn Hill, Prince Edward Island Dept. of Environment, Energy and Forestry | The purpose of this learning module is to introduce planners and related professionals to climate change issues and to determine actions that can be taken to adapt to climate change in local communities. | <ul style="list-style-type: none"> <li>• <b>Introduction to the Regional Adaptation Collaborative concept</b>, Mary-Ann Wilson, Natural Resources Canada</li> <li>• <b>Changes to the climate in Atlantic Canada</b>, Gary Lines, Environment Canada</li> <li>• <b>Developing an Atlantic Collaborative</b>, Tammy Keats, Newfoundland and Labrador Dept of Environment and</li> </ul> |
| <i>10:55 - 11:15</i> | <b>A critical look at the components of Coastal Zone Management - with reference to the Philippines and Canada</b> , James Ross, Nova Scotia Community College   | <b>Marine Spatial Planning: progress and plans for the Scotian Shelf</b> , Glen Herbert, Fisheries and Oceans Canada                                    | <b>Planning for the future: preparing young professionals for coastal planning and climate change</b> , Patricia Manuel, Dalhousie University   | <b>The indicators framework for evaluating Integrated Coastal Management in Korea</b> , Jiyeon Choi, Korea Maritime Institute and International Ocean Institute-Canada   | The workshop will be delivered in an interactive manner and will cover four main topic areas:   |  |

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| 11:15 - 11:35  | Coastal erosion along the south eastern coastline of the Avalon Peninsula, Newfoundland, Sheridan Thompson-Graham, Memorial University  | Spatial planning and legal interests: lessons from the St. Margaret's Bay, Nova Scotia marine cadastre pilot, Sue Nichols, University of New Brunswick | Marine planning as a tool to address threats to First Nations communities, Russ Jones, Haida Fisheries Program | Coastal management at the local level: developing land-use standards and best management practices for municipal and First Nation governments in the Bras d'Or Lake watershed, Nova Scotia, Jason Naug, Fisheries and Oceans Canada and Shelley Denny, Unama'ki Institute of Natural Resources | <ul style="list-style-type: none"> <li>• Causes and impacts of climate change</li> <li>• How will climate change? Obtaining and understanding climate change information</li> <li>• How will my community be impacted? Assessing opportunities, risks and vulnerabilities</li> <li>• How can I respond? Planning your climate change response</li> </ul> <p><i>Note: Workshop continues until noon.</i></p> | <p>Conservation</p> <ul style="list-style-type: none"> <li>• <b>Overview of the coastal projects of the Atlantic Climate Adaptation Solutions (ACAS) Association,</b> Robert Hughes, New Brunswick Dept of Environment (TBC)</li> <li>• <b>Discussion / questions</b></li> </ul> <p><i>Note: Panel continues until noon.</i></p> |
| 11:35 - 11:55  | Modeling fecal coliform particle transportation in the Annapolis Basin of Nova Scotia using MIKE 21: examining the relationship between water quality and clam bed closures, Peter MacDermott, Applied Geomatics Research Group | Marine spatial planning and gaps in marine conservation in Washington State, Jo Smith, The Nature Conservancy  | TBA  | TBA  | <p><i>Note: Workshop continues until noon.</i></p>  |  |
| 12:00 - 13:00 <b>LUNCH: WA Murphy Student Building, MacMillan Hall</b> |   |  |  |  |   |  |

## WEDNESDAY, 28 JULY 2010 - AFTERNOON

|               | PAPER SESSIONS   |   |  | WORKSHOPS  |   | CHARRETTE   |
|---------------|--|---|--|--|---|---|
| 13:00 - 14:30 | <b>Room: McDougall 243</b><br><b>Session theme: COASTAL ISSUES</b><br><i>Chair: Michael Phillips, Swansea Metropolitan University</i>    | <b>Room: Duffy 135</b><br><b>Session theme: VULNERABILITY AND ADAPTATION TO CLIMATE CHANGE</b><br><i>Chair: Marc Ouellette, Fisheries and Oceans Canada</i>   | <b>Room: McDougall 242</b><br><b>Session theme: COASTAL ENGINEERING AND TECHNOLOGY</b><br><i>Chair: Mike Pearson, GeoNet Technologies Inc</i>  | <b>Room: McDougall 329</b><br><b>Topic: SCOPING A MARINE AND COASTAL RIGHTS REGISTRY FOR CANADA: NEEDS AND PRIORITIES</b><br><i>Convenors: Jean Gagnon, Natural Resources Canada and Darren Williams, Fisheries and Oceans Canada</i><br><br>A Marine and Coastal Registry (Marine Cadastre) Task Team has been established to prepare a business case for securing a long-term commitment for investment in the development of a national marine and coastal rights management regime for Canada. The purpose of the Workshop is to present the work of the Task Team to date and to receive feedback on the need for and the expected outcomes of Marine Cadastre.<br><br><i>Note: Workshop continues until 17:00.</i> | <b>Room: McDougall 328</b><br><b>Topic: DECISION SUPPORT TOOLS FOR ECOSYSTEM-BASED MANAGEMENT</b><br><i>Convenor: Bruce Hatcher, Cape Breton University</i><br><br>The Workshop will explore current examples of theory and practice in the development of decision-support tools for Integrated Coastal Zone Management in Canada and beyond. Examples are the use of GIS-based scenario models to portray alternative futures in terms of land use maps and movies for watershed ecosystems under different regulatory regimes.<br><br><i>Note: Workshop continues until 17:00.</i> | <b>Room: Kelley 211</b><br><b>Topic: VOICES FOR CHANGE: ACHIEVING THE WELL MANAGED COAST</b><br><i>Moderator: Colleen Mercer Clarke</i><br><br><i>A charrette is a problem-oriented multi-participant forum that promotes collaborative efforts to resolve specific issues in planning and design. In this session conference participants will focus on finding practical and effective solutions to the barriers that challenge coastal management in Canada.</i><br><br><b>Charrette Plenary:</b> A brief outline will be provided on the structure and expectations of the charrette process. Participants will identify the issues to be addressed by teams working in break-out sessions.<br><br><b>Break-out session topics may include:</b> <ul style="list-style-type: none"> <li>• defining the coasts in Canada</li> <li>• overcoming jurisdictional conflicts</li> <li>• improving economic evaluation</li> </ul> |
| 13:05 - 13:25 | <b>Coverage of coastal zone issues in undergraduate physical geography textbooks,</b> Terence Day, Okanagan College                      | <b>Impacts of climate change on storminess and coastal erosion in the Gulf of St. Lawrence,</b> Jean-Pierre Savard, Ouranos   | <b>Modelling the effects of reduced sea ice on storm waves, currents and sediment transport on the north shore of Prince Edward Island,</b> Gavin Manson, University of Guelph and Geological Survey of Canada, Natural Resources Canada |  |   |   |
| 13:25 - 13:45 | <b>Remote sensing of suspended particulate matter concentrations in the upper Bay of Fundy,</b> Gary Bugden, Fisheries and Oceans Canada | <b>The relationship between coastal erosion and sandy beach invertebrate community structure on the north shore of Prince Edward Island,</b> Mitchell MacMillan, University of Prince Edward Island | <b>Mesoscale measurement and modelling of coastal foredune dynamics, Greenwich Dunes, Prince Edward Island,</b> Robin Davidson-Arnott, University of Guelph  |  |   |   |
| 13:45 - 14:05 | <b>Particle dynamics of integrated multi-trophic aquaculture sites,</b> Lindsay Brager, Dalhousie University                             | <b>Le littoral acadien du sud du Golfe du St-Laurent : vulnérabilité et résilience,</b> Omer Chouinard, Université de Moncton   | <b>Application of ecosystem-based management principles to design erosion mitigation alternatives for Point Pelee National Park in Ontario,</b> Peter Zuzek, W.F. Baird & Associates Coastal Engineers Ltd                               |  |   |   |

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| <p>14:05 - 14:25</p>  | <p><b>The role of sufficiency economy philosophy in poverty alleviation: a preliminary exploration in coastal Thailand,</b><br/>Ratana Chuenpagdee,<br/>Memorial University</p> | <p><b>Living by our wits: linking climate change adaptation and coastal policy in Nova Scotia,</b><br/>Jennifer Graham,<br/>Ecology Action Centre</p> | <p><b>Geocontainment technology in coastal protection,</b> Andy Lister,<br/>Canadian Geocontainment Alliance</p> |  |  | <ul style="list-style-type: none"> <li>• bridging the gulf between science and management</li> <li>• using the Internet to advance knowledge and action</li> <li>• sharing existing planning tools</li> <li>• building coastal provincial and territorial coastal policy</li> <li>• empowering local action, and</li> <li>• improving coastal science.</li> </ul> <p><b>Charrette Plenary:</b><br/>Teams will regroup to present their proposed solutions, milestones and individual and organizational assignments.</p> <p><i>Note: The charrette continues until 17:00.</i></p> |
| <p>14:30 - 15:00 <b>NUTRITION BREAK: McDougall Hall, Schurman Market Square</b></p> |   |   |  |  |  |   |

## WEDNESDAY, 28 JULY 2010 - AFTERNOON

|               | PAPER SESSIONS  |  |  | WORKSHOPS  |  | DISCUSSION CAFÉ  | CHARRETTE   |
|---------------|---|--|--|--|--|--|---|
| 15:00 - 16:30 | <b>Room:</b><br><b>McDougall 243</b><br><b>Session theme:</b><br><b>COASTAL ENGINEERING AND TECHNOLOGY</b><br><i>Chair: William Kamphuis, Queens University</i> | <b>Room:</b><br><b>McDougall 135</b><br><b>Session theme:</b><br><b>COASTAL COMMUNITIES AND CLIMATE CHANGE</b><br><i>Chair: Jean Lambert, Agriculture and Agri-Food Canada</i> | <b>Room:</b><br><b>McDougall 242</b><br><b>Session theme:</b><br><b>VULNERABILITY AND ADAPTATION TO CLIMATE CHANGE</b><br><i>Chair: Norm Catto, Memorial University</i>                                | <b>Room:</b><br><b>McDougall 329</b><br><b>Topic:</b> SCOPING A MARINE AND COASTAL RIGHTS REGISTRY FOR CANADA: NEEDS AND PRIORITIES<br><i>(continuation)</i> | <b>Room:</b><br><b>McDougall 328</b><br><b>Topic:</b> DECISION SUPPORT TOOLS FOR ECOSYSTEM-BASED MANAGEMENT<br><i>(continuation)</i> | <b>Room:</b> Schurman Market Square<br><b>Topic:</b> NOVA SCOTIA'S COASTAL POLICY - ENVIRONMENTAL NON-GOVERNMENTAL ORGANIZATION PERSPECTIVES<br><i>Lead: Jennifer Graham, Ecology Action Centre</i><br>The Province of Nova Scotia is in the process of developing a Sustainable Coastal Development Strategy. This Discussion Café is an opportunity to discuss the contents of the strategy, drawing on the knowledge and experience of participants on policy options for coastal governance, zoning, land use regulations, stewardship and other key topics. | <b>Room:</b> Kelley 211<br><b>Topic:</b> VOICES FOR CHANGE: ACHIEVING THE WELL MANAGED COAST<br><i>(continuation)</i> |
| 15:05 - 15:25 | <b>Planning coastal infrastructure under conditions of sea level rise and climate change,</b> Michael Davies, Coldwater Consulting Ltd                          | <b>Building resilient coastal communities in British Columbia: a case study of climate change and adaptation in Ucluelet,</b> Mary Liston, University of Victoria              | <b>Sea-level rise studies in the Maritime Provinces: what have we learned and where are we going?,</b> Kyle McKenzie, Nova Scotia Dept. of Environment   |  |  |  |   |
| 15:25 - 15:45 | <b>Adaptation to sea level rise, storm surges and erosion,</b> Mike Pearson, GeoNet Technologies Inc  | <b>Coastal communities challenges to deal with climate change in the St. Lawrence River estuary and Gulf,</b> Steve Plante, Université du Québec à Rimouski                    | <b>Integrating climate change adaptation into marine and coastal management: examples from North America,</b> Rachel Gregg, EcoAdapt   |  |  |  |   |
| 15:45 - 16:05 | <b>The integration of ground-based and airborne laser scanning for coastal zone mapping,</b> Tim Webster, Applied Geomatics Research Group                      | <b>Impacts of climate change on coastal communities and mangrove ecosystems: local vulnerabilities and local perceptions,</b> Tiffanie Rainville, Dalhousie University         | <b>The role of current-induced erosion in the recent proliferation of coastal protection structures along Carron Point in New Brunswick,</b> Dominique Bérubé, New Brunswick Dept of Natural Resources |  |  |  |   |

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| 16:05 - 16:25 | Flood-risk mapping from storm surges and future sea level rise in eastern Canada, Kathryn LeBlanc, Acadia University | Vulnerability and adaptation in coastal communities: a case study of historic and current adaptation on Change Islands, Newfoundland and Labrador, Maureen Woodrow, University of Ottawa and Stages and Stores Inc | TBA |  |  |  |  |
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### WEDNESDAY, 28 JULY 2010 - EVENING

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|---------------|---|
| 19:00 - 23:00 | <b>Peake's Wharf, Charlottetown Historic Waterfront</b><br><b>SEASIDE SOIRÉE: Conference Banquet, featuring Prince Edward Island LOBSTER, MUSSELS, OYSTERS and LIVE ENTERTAINMENT !!!</b> |
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### THURSDAY, 29 JULY 2010 - MORNING

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|---------------|---|
| 08:30 - 12:00 | <b>McDougall Hall, Schurman Market Square</b><br><b>REGISTRATION AND INFORMATION DESK</b> |
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| 09:00 - 12:00 | <b>Duffy 135</b><br><b>CLOSING PLENARY SESSION</b> |
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| 09:00 - 09:30 | <b>CUMULATIVE OBSERVATIONS AND INSIGHTS:</b> Social Network Update<br><b>TODAY'S GOALS AND OBJECTIVES:</b> Grant Gardner, President, Coastal Zone Canada Association |
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| 09:30 - 10:00 | <b>PRESENTATION AND DISCUSSION</b><br><b>VOICES FOR CHANGE: ACHIEVING THE WELL MANAGED COAST - the results of the Planning Charrette</b><br>Colleen Mercer Clarke, Charrette moderator |
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| 10:00 - 10:30 | <b>NUTRITION BREAK: Duffy 135</b> |
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| 10:30 - 11:30 | <b>KEYNOTE ADDRESS</b><br><b>OIL SPILLS AND THE OFFSHORE AND COASTAL ENVIRONMENTS</b><br><b>Mervin Fingas</b><br><i>Dr. Fingas is a scientist focusing on oil and chemical spills. He was Chief of the Emergencies Science Division of Environment Canada for over 30 years. His specialities include: spill dynamics and behaviour, spill treating agent studies, remote sensing and detection, and in-situ burning. The 2<sup>nd</sup> edition of his book, "Basics of Oil Spill Cleanup", was published this year.</i><br><i>Moderator: Peter Wells, Dalhousie University and International Ocean Institute-Canada</i> |
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| 11:30 - 11:50 | <b>CZC 2010 DECLARATION AND CALL TO ACTION:</b> Grant Gardner, President, Coastal Zone Canada Association |
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| 11:50 - 12:00 | <b>INVITATION TO COASTAL ZONE CANADA 2012, RIMOUSKI, QUÉBEC:</b> Gilles Tremblay, Fisheries and Oceans Canada |
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| 12:05 | <b>CONFERENCE CLOSING</b> |
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