

2018, 15th - 19th July

CZC 2018 Conference and Young Professional's Forum

 Conference Programme

Sunday, 15th July

Sunday 08:00 - 09:00	Registration & Coffee Break #1 Venue Avalon Ballroom Delta Hotel
Sunday 09:00 - 09:30	KN-1 Welcoming Remarks Venue Avalon Ballroom Delta Hotel
09:00	<u>Welcome to the #CZC2018 Young Professional's Forum</u> » <i>Keith Mercer Coastal Zone Canada Association</i>
Sunday 09:30 - 10:00	KN-2 Young Professional's Forum Keynote Venue Avalon Ballroom Delta Hotel
09:30	<u>Young Professional's Forum Keynote Address</u> » <i>Larry Hildebrand Coastal Zone Canada Association</i>
Sunday 10:00 - 10:30	Coffee Break #2 Venue Avalon Ballroom Delta Hotel
Sunday 10:00 - 12:30	PD-1 Panel Discussion - The Future of Integrated Coastal Zone Management Venue Avalon Ballroom Delta Hotel
10:00	<u>The Future of Integrated Coastal Zone Management</u> » <i>Larry Hildebrand Coastal Zone Canada Association</i>
Sunday 12:00 - 13:00	Lunch #1 Venue Avalon Ballroom Delta Hotel
Sunday 13:00 - 14:30	KN-3 Young Professional's Forum Speed Networking Event Venue Avalon Ballroom Delta Hotel
13:00	<u>Speed Networking Event</u> » <i>Multiple Speakers Multiple Companies</i>
Sunday 14:30 - 17:00	Young Professional's Forum Downtown Outing Venue Downtown St. John's
Sunday 17:00 - 19:00	Young Professional's Forum Dinner Venue Yellowbelly Brewery

Sunday 19:00 - 20:00	KN-4 Venue	CZC2018 Opening Plenary with Sheila Watt-Cloutier Avalon Ballroom Delta Hotel
19:00		<u>Everything is Connected: Environment, Economy, Foreign Policy, Sustainability, Human Rights and Leadership in the 21st Century</u> » <i>Sheila Watt-Cloutier</i>
Sunday 20:00 - 23:00		CZC2018 Evening Social Venue Avalon Ballroom C&D Delta Hotel
Monday, 16th July		
Monday 08:45 - 09:00	KN-5 Venue	Official Conference Opening Bruneau Lecture Theatre (IIC-2001)
08:45		<u>Welcome to CZC2018</u> » <i>Keith Mercer Marine Institute, Chair of the CZC2018 Organizing Committee</i>
Monday 09:00 - 09:15	KN-6 Venue	Address from the Young Professionals Forum Bruneau Lecture Theatre (IIC-2001)
09:00		<u>Address from the Young Professionals Forum - The Future of ICZM</u> » <i>Keith Mercer Marine Institute, Chair of the CZC2018 Organizing Committee</i>
Monday 09:15 - 10:30	KN-7 Venue	Keynote Address - Change, Challenge and Opportunity Bruneau Lecture Theatre (IIC-2001)
09:15		<u>Change, Challenge and Opportunity</u> » <i>Kevin Stringer, Associate Deputy Minister, Ecosystems and Fisheries Management, Fisheries and Oceans Fisheries and Oceans Canada</i>
Monday 10:30 - 11:00		Nutrition Break #1 Venue Bruneau Centre Atrium
Monday 11:00 - 12:15	PD-2 Venue	Panel Discussion - Change, Challenge and Opportunity Bruneau Lecture Theatre (IIC-2001)
11:00		<u>Change, Challenge and Opportunity</u> » <i>Jackie Janes, Assistant Deputy Minister Climate Change Branch, Department of Municipal Affairs and Environment.</i>
Monday 12:15 - 13:30		Lunch Break #2 Venue Bruneau Centre Atrium
Monday 13:30 - 14:50	CP-1 Venue	Contributed Papers #1 A1046

	13:30	CP-1.01 – <u>North Atlantic Right whale conservation: is integrated coastal zone management the answer?</u> » <i>Ainslie McLeod (Dalhousie University Marine Affairs Program)</i>
	13:50	CP-1.02 – <u>Marine Protected Area Network Planning – Connecting the Coast</u> » <i>Catherine Schram (Fisheries & Oceans Canada)</i>
	14:10	CP-1.03 – <u>Facing an Uncertain Future: A Governability Assessment of Coastal Communities in the Great Northern Peninsula, Newfoundland</u> » <i>Jack Daly (Memorial University of Newfoundland), Ratana Chuenpagdee (Memorial University of Newfoundland)</i>
	14:30	CP-1.04 – <u>Rehabilitating and Restoring Unique Landscapes within Five Nova Scotia Watersheds along the Bay of Fundy, Nova Scotia, Canada</u> » <i>Jamie Knill (Maritime Aboriginal Peoples Council), Vanessa Mitchell (Maritime Aboriginal Peoples Council)</i>
Monday 13:30 - 14:50	CP-2	Contributed Papers #2 Venue SN2098
	13:30	CP-2.01 – <u>Policy Options for Coastal Protection: Integrating inland water management with coastal management for greater community resilience</u> » <i>Michelle Portman (Technion -- Israel Institute of Technology)</i>
	13:50	CP-2.02 – <u>Our Coastal Futures: a Strategy for the Sustainable Development of the World's Coasts</u> » <i>Donald Forbes (Memorial University of Newfoundland), Bruce Glavovic (Massey University), Valerie Cummins (University College Cork), Martin Le Tissier (University College Cork)</i>
	14:10	CP-2.03 – <u>'Unsustainable coastal fisheries in Sierra Leone: Are there any practical solutions?'</u> » <i>Nwamaka Okeke-Ogbuafor (Newcastle University)</i>
Monday 13:30 - 14:50	SS-1A	Scoping Barriers to and opportunities for “making room for movement”, Part 1 Venue SN2109
	13:30	<u>Scoping Barriers to and opportunities for "making room for movement", Part 1</u> » <i>Patricia Manuel Dalhousie University</i>
Monday 13:30 - 14:50	SS-2A	Canada's Oceans Protection Plan, a special session introducing the OPP Venue A1043
	13:30	<u>Canada's Ocean Protection Plan, a special session introducing the OPP, facilitated by Larry Hildebrand and organized by Transport Canada.</u> » <i>Larry Hildebrand World Maritime University, Malmo Sweden, and organized by Transport Canada</i>
Monday 14:50 - 15:20		Nutrition Break #2 Venue Bruneau Center Atrium
Monday 15:20 - 17:20	CP-3	Contributed Papers #3 Venue A1046

- 15:20 **CP-3.01 – Places of Refuge in Atlantic Canada: Legal Obligations and Vulnerabilities**
» *Sarah Shiels (Clifford Shiels Legal)*
- 15:40 **CP-3.02 – Legal weakness in a country with two seas and three coastal zones**
» *CAMILO BOTERO (Universidad Sergio Arboleda - Santa Marta), Liliana Marin (Universidad Sergio Arboleda - Santa Marta)*
- 16:00 **CP-3.03 – Fisheries Policy and Environmental Governance in the Gulf of St. Lawrence**
» *Peter Clancy (St. Francis Xavier University)*
- 16:20 **CP-3.04 – Dynamics of Changes in Coastal Zone Uses in Bangladesh – Tribulations and Opportunities for the Changes**
» *Md Mahub Alam (Marine Fisheries Academy, Chittagong)*

Monday
15:20 - 17:00

CP-4 Contributed Papers #4

Venue SN2098

- 15:40 **CP-4.01 – The Rhode Island Shoreline Change Special Area Management Plan- Permitting for Future Conditions and resiliency**
» *Grover Fugate (Coastal Resources Management Council)*
- 16:00 **CP-4.02 – Building Capacity to Address Climate Change Impacts in Coastal Newfoundland and Labrador**
» *Kim Olson (Government of Newfoundland and Labrador), gerald crane (Government of Newfoundland and Labrador)*
- 16:20 **CP-4.03 – Coastal Protection Act: A Future Scenario Analysis of Coastal Policy in Nova Scotia**
» *Caitlin Grady (Dalhousie University), Georgia Klein (Dalhousie University)*
- 16:40 **CP-4.04 – "The Politics of Shoreline Development and Environmental Protection: The New Brunswick, Canada Parlee Beach – Shediac Bay Case Study**
» *Mario Levesque (Mount Allison University)*

Monday
15:20 - 17:00

SS-1B Scoping Barriers to and opportunities for “making room for movement”, Part 2

Venue SN2109

- 15:20 **Scoping Barriers to and opportunities for “making room for movement”, Part 2**
» *Patricia Manuel Dalhousie University*

Monday
15:20 - 17:20

SS-2B Canada’s Oceans Protection Plan – Contributed Papers

Chaired By: Larry Hildebrand

Venue A1043

- 15:20 **SS-2B.01 – Ecologically and Biologically Significant Areas in the Gulf of St Lawrence**
 » *Chris McKindsey (Fisheries and Oceans Canada), Gendreau Yanick (Fisheries & Oceans Canada), Élise Lacoste (Fisheries & Oceans Canada)*
- 15:40 **SS-2B.02 – Restoring Placentia Bay Coastal Ecosystem**
 » *arnault.le.bris (Marine Institute of Memorial University)*
- 16:00 **SS-2B.03 – Strengthening relationships through coastal environmental baseline data collection: a case study in the Port of Saint John, New Brunswick**
 » *Claire Mussells (Fisheries & Oceans Canada)*
- 16:20 **SS-2B.04 – Establishing marine environmental quality measures to address pressing marine ecosystem stressors**
 » *Neville Johnson (Fisheries & Oceans Canada), Jonathan Hill (Fisheries & Oceans Canada), José Audet-Lecouffe (Fisheries & Oceans Canada), Athena Tzivanopoulos (Fisheries & Oceans Canada)*
- 16:40 **SS-2B.05 – Characterizing and mapping vessel traffic in North Atlantic right whale areas in Atlantic Canada**
 » *Christine Konrad (Fisheries & Oceans Canada), Angelia Vanderlaan (Fisheries & Oceans Canada)*

Monday
17:00 - 18:00

Coastal Zone Canada Association AGM

Venue SN2109

Monday
19:30 - 21:30

PS-1 Poster Session and Reception

Venue Bruneau Centre Atrium

PS-1.01 – Seawalls and Signage: How Beach Access Management Affects Rip Current Safety

» *Chris Houser (University of Windsor), Sarah Trimble (Texas A&M University)*

PS-1.02 – Expanding accessible temporal, taxonomic and spatial extents of marine biological data through data rescue

» *Alexi Baccardax Westcott (COINAtlantic), Andrew Sherin (COINAtlantic), Mary Kennedy (COINAtlantic)*

PS-1.03 – Seeing with both eyes: determining deep-sea coral distributions in the Northern Gulf of St. Lawrence using bycatch records and local ecological knowledge

» *Emile Colpron (Stantec Consulting Ltd./)*

PS-1.04 – Halifax's Practical Solutions to Real Issues: Examples from the Field

» *Alex MacDonald (Halifax Regional Municipality)*

PS-1.05 – Looking Back over 15+ Years of Tidal Wetland Restoration Projects in Nova Scotia, Canada

» *Tony Bowron (CBWES Inc. & Saint Mary's University), Jennie Graham (CBWES Inc.), Danika van Proosdij (Saint Mary's University), Jeremy Lundholm (Saint Mary's University), Nancy Neatt (CBWES Inc.), Bob Pett (Nova Scotia Department of Transportation and Infrastructure Renewal), Kevin Bekkers (Nova Scotia Department of Agriculture)*

PS-1.06 – Enablers and Barriers at the Science-Policy Interface: Scientific Information Use in Coastal and Ocean Decision-Making

» *Bertrum MacDonald (School of Information Management, Dalhousie University), Suzuette S. Soomai (Fisheries & Oceans Canada), James D. Ross (Dalhousie University, Faculty of Engineering), Peter G. Wells (International Ocean Institute / Dalhousie University), Lee Wilson (Portage / ACENET), Rachael Cadman (Dalhousie University, School for Resource and Environmental Studies), Diana Castillo (School of Information Management, Dalhousie University), Kalene Eck (Dalhousie University Marine Affairs Program), Simon Ryder-Burbidge (Dalhousie University, Mar)*

PS-1.07 – Susceptibility of farmed and two origins of wild Atlantic salmon (*Salmo salar*) to experimental infestations with sea lice (*Lepeophtheirus salmonis*)

» *Lynn Lush (Fisheries & Oceans Canada), Kimberly Marshall (Fisheries & Oceans Canada), Alexandra Eaves (Wood), Flora Salvo (Fisheries & Oceans Canada), Harry Murray (Fisheries & Oceans Canada), Dounia Hamoutene (Fisheries & Oceans Canada)*

PS-1.08 – The Evolution of Spatial Scale for Oceans Governance in the Newfoundland Labrador Region

» *Laura Park (Fisheries & Oceans Canada), Lisa Noble (Fisheries and Oceans Canada), Tony Bowdring (Fisheries & Oceans Canada)*

PS-1.09 – The Nunavut Coastal Resource Inventory

» *Teresa Tufts (Government of Nunavut)*

PS-1.10 – Understanding the Sensitivity of Canada's Marine Coasts to Changing Climate

» *Gavin Manson (Geological Survey of Canada-Atlantic, Dartmouth, Nova Scotia), Nicole Couture (Geological Survey of Canada - Northern), Thomas James (Geological Survey of Canada - Pacific), Donald Forbes (Geological Survey of Canada - Atlantic)*

PS-1.11 – The Influence of Weather and Ice on Ferry Operations: Modelling Present-Day Effects to Predict Future Trends

» *Ronald Pelot (Dalhousie University), Andrew Sargeant (Department of National Defence)*

Tuesday, 17th July

Tuesday 09:00 - 09:15	Day #2 Opening Remarks Venue Bruneau Lecture Theatre (IIC-2001)
Tuesday 09:15 - 10:30	KN-8 Keynote Address - Engagement and Collaboration - Examples from the Field Venue Bruneau Lecture Theatre (IIC-2001)
09:15	<u>Engagement and Collaboration - Examples from the Field</u> » <i>Ratana Chuenpagdee Memorial University of Newfoundland</i>
Tuesday 10:30 - 11:00	Nutrition Break #3 Venue Bruneau Centre Atrium
Tuesday 11:00 - 12:00	PD-3 Panel Discussion - Engagement and Collaboration - Examples from the Field Venue Bruneau Lecture Theatre (IIC-2001)
11:00	<u>Engagement and Collaboration - Examples from the Field</u> » <i>Sheldon Peddle ACAP Humber Arm</i>
Tuesday 12:00 - 13:30	Lunch #3 Venue Bruneau Centre Atrium
Tuesday 13:30 - 14:50	CP-5 Contributed Papers #5 Venue SN2098
13:30	<u>CP-5.01 - Sharing victories: Characteristics of collaborative relationships within the marine conservation sector</u> » <i>Rachael Cadman (School of Resource and Environmental Studies, Dalhousie University), Bertrum H. Macdonald (School of Information Management, Dalhousie University), Suzuette S. Soomai (School of Information Management, Dalhousie University)</i>
13:50	<u>CP-5.02 - Why stay by the sea?: Rising tides, public perception, and coastal connection in Falmouth, Massachusetts</u> » <i>Simon Ryder-Burbidge (Environmental Information: Use and Influence, Dalhousie University), Bertrum H. Macdonald (School of Information Management, Dalhousie University), Suzuette S. Soomai (School of Information Management, Dalhousie University)</i>
14:10	<u>CP-5.03 - Framing Community-Decision-Making: Opportunities and Challenges for Community-Based Planning of Aquaculture through Participatory Marine Spatial Planning</u> » <i>Maggie Yet (School of Planning, Dalhousie University), Patricia Manuel (School of Planning, Dalhousie University), Bertrum H. Macdonald (School of Information Management, Dalhousie University)</i>
14:30	<u>CP-5.04 - Making Room for Wetlands: Application of Coastal Habitat Restoration for Climate Change Adaption in Atlantic Canada</u> » <i>Tony Bowron (CBWES Inc. & Saint Mary's University), Danika van Proosdij (Saint Mary's University), Jennie Graham (CBWES Inc.), Christopher Ross (Saint Mary's University), Ryan Mulligan (Queen's University), Kevin Bekkers (Nova Scotia Department of Agriculture), Bob Pett (Nova Scotia Department of Transportation and Infrastructure Renewal)</i>
Tuesday 13:30 - 14:50	CP-6 Contributed Papers #6 Venue SN2101

	13:30	CP-6.01 – <u>Droning on in harmony: restoring the giant moss to Basin Head lagoon</u> » <i>Irene Novaczek (Fisheries & Oceans Canada), David Cairns (Fisheries & Oceans Canada)</i>
	13:50	CP-6.02 – <u>"From shared vulnerability to a common climate resilience – Comparison of adaptation case studies around the world"</u> » <i>Sebastian Weissenberger (Université du Québec à Montréal), Catherine Meur-Ferec (Université de Bretagne Occidentale), Omer Chouinard (Université de Moncton), Melinda Noblet (Climate Analytics)</i>
	14:10	CP-6.03 – <u>Coastal Restoration Planning in Newfoundland and Labrador: Identification and Prioritization of Sites</u> » <i>Randal Greene (Feaver's Lane), Victoria Neville (World Wildlife Fund - Canada)</i>
	14:30	CP-6.04 – <u>Co-Management of Western Arctic Marine Protected Areas</u> » <i>Connie Blakeston (Fisheries & Oceans Canada)</i>
Tuesday 13:30 - 14:50	SS-3	COINAtlantic - Introducing Advancing our Knowledge into Action: Atlantic Canada Perspectives on Climate Change Adaptation Venue A1043
	13:30	<u>COINAtlantic - Introducing Advancing our Knowledge into Action: Atlantic Canada Perspectives on Climate Change Adaptation</u> » <i>Andrew Sherin COIN Atlantic</i>
Tuesday 13:30 - 14:50	SS-4	MEOPAR - Focus on Coastal Risks and Resilience Venue A1046
	13:30	<u>MEOPAR - Focus on Coastal Risks and Resilience</u> » <i>Andrea Minano MEOPAR</i>
Tuesday 14:50 - 15:20		Nutrition Break #4 Venue Bruneau Centre Atrium
Tuesday 15:20 - 17:00	CP-7	Contributed Papers #7 Venue A1043

- 15:20 **CP-7.01 – The Roadmap to Oceans and Climate Action: Progress on Oceans Action in the United Nations Climate Change Framework**
» [Peter Ricketts](#) (*Acadia University*)
- 15:40 **CP-7.02 – Coastal Climate Adaptation in Prince Edward Island**
» [Michael Davies](#) (*Coldwater Consulting Ltd.*)
- 16:00 **CP-7.03 – Engagement and Collaboration - Examples from the Field: The Living Shorelines Approach**
» [Rosmarie Lohnes](#) (*Helping Nature Heal Inc.*)
- 16:20 **CP-7.04 – An Innovative Approach to Improve Livelihood Resilience of Coastal Fishing Community from Fish Waste**
» [Md Mahbub Alam](#) (*Marine Fisheries Academy, Chittagong*)
- 16:40 **CP-7.05 – LOCAL RESIDENTS CONTRIBUTION TO TOURISM IN LA CAMPAGNE TROPICANA BEACH RECREATION CENTRE (LTBR) IN LAGOS, NIGERIA**
» [Jubril Soaga](#) (*Federal University of Agriculture, Abeokuta, Ogun State, Nigeria*), [M.O. Adedokun](#) (*Federal University of Agriculture, Abeokuta*)

Tuesday
15:20 - 17:00

CP-8 Contributed Papers #8

Venue A1046

- 15:20 **CP-8.01 – Whitesand First Nation Shoreline Stabilization**
» [Fiona Duckett](#) (*W.F. Baird & Associates Coastal Engineers Ltd.*), [Darryl Flank](#) (*Ontario Power Generation*), [Josh Wiebe](#) (*W.F. Baird & Associates Coastal Engineers Ltd.*)
- 15:40 **CP-8.02 – Marine Plan Partnership - A Model for Successful Stakeholder Engagement in Collaborative Marine Planning Process**
» [John Bones](#) (*Nanwakolas Council Society*)
- 16:00 **CP-8.03 – Establishing a National Coastal Environmental Baseline Program: Working with Indigenous and Coastal Communities to Characterize Ecosystems**
» [Nadine Templeman](#) (*Fisheries & Oceans Canada*)
- 16:20 **CP-8.04 – Application of the Nearshore Framework to the North Shore of Lake Erie and the Huron Erie Corridor**
» [Jody McKenna](#) (*Environment and Climate Change Canada*), [Janette Anderson](#) (*Environment and Climate Change Canada*), [Julia Hatcher](#) (*Environment and Climate Change Canada*), [Pete Zuzek](#) (*Zuzek Inc.*)
- 16:40 **CP-8.05 – Putting new genetic monitoring tools into practice: engaging northern communities in the collection of coastal biodiversity information**
» [Kimberly Howland](#) (*Fisheries and Oceans Canada*)

Tuesday
15:20 - 17:00

SS-5 Climate Change Adaptation: Transformational Change and Challenges.

Venue SN2109

- 15:20 **Climate Change Adaptation: Transformational Change and Challenges**
» [Thomas James](#) (*Geological Survey of Canada*)

Tuesday
18:30 - 21:30

CZC2018 Gala Reception

Venue The Rooms

Wednesday, 18th July

Wednesday 09:00 - 09:15	Day #3 Opening Remarks Venue Bruneau Lecture Theatre (IIC 2001)
Wednesday 09:15 - 10:30	KN-18 Keynote Address - Tools and Technologies, Practical Applications Venue Bruneau Lecture Theatre (IIC 2001)
09:15	<u>Tools and Technologies – Practical Applications</u> » <i>Kendra MacDonald, CPA, CA, CISA, CFA, CIA, CRMA, ICD.D</i> <i>Newfoundland Association of Technical Industries</i>
Wednesday 10:30 - 11:00	Nutrition Break #5 Venue Bruneau Centre Atrium
Wednesday 11:00 - 12:00	PD-4 Panel Discussion - Tools and Technologies - Practical Applications Venue Bruneau Lecture Theatre (IIC 2001)
11:00	<u>Tools and Technologies – Practical Applications</u> » <i>David Lane City of St. John's</i>
Wednesday 12:00 - 13:30	Lunch Break #4 Venue Bruneau Centre Atrium
Wednesday 13:30 - 14:50	CP-10 Contributed Papers #10 Venue A1046
13:30	<u>CP-10.01 – Restoring a habitat restoration at Deltaport East Causeway: lessons learned</u> » <i>Phil Osborne (Golder Associates Ltd)</i>
13:50	<u>CP-10.02 – A new Beach-Dune Cycle of Foredune Evolution</u> » <i>Michael Bitton (Wilfrid Laurier University)</i>
14:10	<u>CP-10.03 – Enhanced coastal soil bioremediation of petroleum hydrocarbons (PHCs) and associated microbial community transformation</u> » <i>Fuqiang Fan (Memorial University of Newfoundland), Xixi Li (Memorial University of Newfoundland), Baiyu Zhang (Memorial University of Newfoundland)</i>
14:30	<u>CP-10.04 – Spatially explicit robust impact patterns: a new approach to account for uncertainties of long-term sea-level rise impacts at the local level</u> » <i>Jackie Z.K. Yip (University of British Columbia), Stephanie Chang (University of British Columbia)</i>
Wednesday 13:30 - 14:50	CP-11 Contributed Papers #11 Venue SN2098

- 13:30 **CP-11.01 – Holistic Approach to Flood Mitigation in Nova Scotia**
» [Victoria Fernandez](#) (CBCL Limited), [Alexander Wilson](#) (CBCL Limited)
- 13:50 **CP-11.02 – Creation of a Flood Risk Web application for New Brunswick's coastal zone using LiDAR data and future sea level rise prediction**
» [Reid McLean](#) (New Brunswick Environment and Local Government)
- 14:10 **CP-11.03 – An Analysis of the Impact of Autonomous Ships in Coastal Canada**
» [John Cross](#) (Marine Institute of Memorial University), [John Tucker](#) (Marine Institute of Memorial University), [Fabian Lambert](#) (Marine Institute of Memorial University), [Riley Paul](#) (Memorial University of Newfoundland)
- 14:30 **CP-11.04 – How advancements in Unmanned Aerial Vehicle (UAV) technologies are changing how we study and communicate findings regarding coastal change studies in Newfoundland and Labrador**
» [Melanie Irvine](#) (Geological Survey of Newfoundland and Labrador)

Wednesday
13:30 - 14:50

CP-9 Contributed Papers #9

Venue SN2101

- 13:30 **CP-9.01 – Desktop Investigation of Arctic Eelgrass Along the Eastern Coast of James Bay using Multi-date and Multi-sensor Earth Observation data**
» [Heather Ward](#) (Stantec Consulting Ltd./), [Marc Skinner](#) (Stantec Consulting Ltd./), [Fred Short](#) (University of New Hampshire)
- 13:50 **CP-9.02 – Detecting Marine Mammals at Sea in Atlantic Canada: Comparing Detections Made Using a Rotating Thermal Imaging Camera with Traditional Visual and Acoustic Methods**
» [Heather Smith](#) (LGL Limited, environmental research associates), [Daniel Zitterbart](#) (AWI: Ocean Acoustics Lab, Alfred-Wegener-Institute for Polar and Marine Research AND Woods Hole Oceanographic Institution), [Michael Flau](#) (AWI: Ocean Acoustics Lab, Alfred-Wegener-Institute for Polar and Marine Research), [Olaf Boebel](#) (AWI: Ocean Acoustics Lab, Alfred-Wegener-Institute for Polar and Marine Research), [Valerie Moulton](#) (LGL Limited, environmental research associates)
- 14:10 **CP-9.03 – eDNA Solutions for Species Detections in Tidal Energy Environmental Effects Monitoring**
» [Marc Skinner](#) (Stantec Consulting Ltd. & Department of Biology, Dalhousie University), [Steve Crookes](#) (Biodiversity Institute of Ontario, University of Guelph), [Mary Murdoch](#) (Stantec Consulting Ltd./)
- 14:30 **CP-9.04 – Oil spill preparedness in the coastal zone- using lidar to define vulnerable areas and simulate spills**
» [Kate Collins](#) (Nova Scotia Community College), [Tim Webster](#) (Nova Scotia Community College), [Natasha Fee](#) (Nova Scotia Community College)

Wednesday
13:30 - 14:50

SS-6 Coastal Management in a Changing Climate – Integrating Sea Level Rise, Coastal Sensitivity and the Ecosystem Valuation

Venue SN2109

- 13:30 **Coastal Management in a Changing Climate – Integrating Sea Level Rise, Coastal Sensitivity and the Ecosystem Valuation**
» [Tom James](#) Geological Survey Canada

Wednesday
14:50 - 15:20

Nutrition Break #6

Venue Bruneau Centre Atrium

<p>Wednesday 15:20 - 17:20</p>	<p>CP-12 Contributed Papers #12 Venue A1046</p>
<p>15:20</p>	<p>CP-12.01 – <u>Insights into Barrier Island Evolution: Past, Present, and Future</u> » <i>Phil Wernette (University of Windsor), Chris Houser (University of Windsor), Jacob Lehner (University of Windsor)</i></p>
<p>15:40</p>	<p>CP-12.02 – <u>Scale-dependent behavior of the foredune: Implications for barrier island response to storms and sea-level rise</u> » <i>Chris Houser (University of Windsor), Phil Wernette (University of Windsor)</i></p>
<p>16:00</p>	<p>CP-12.03 – <u>Impacts of nearshore mesh resolution on modelling shoreline change</u> » <i>Avidesh Seenath (Durham University), Ian Shennan (Durham University), Richard Hardy (Durham University), Laura Turnbull-Lloyd (Durham University)</i></p>
<p>16:20</p>	<p>CP-12.04 – <u>Using 3D Hydrodynamic Modeling to Inform Ecosystem Management in a Large, Heavily Industrialized Harbour</u> » <i>Bryan Flood (University of Toronto), Mathew Wells (University of Toronto)</i></p>
<p>16:40</p>	<p>CP-12.05 – <u>Developing a Met-Ocean Forecasting System for The Persian Gulf</u> » <i>Sarmad Ghader (Institute of Geophysics - University of Tehran), Mohammad Hossein Nematj (Ports and Maritime Organization), Seyed Abbas Haghshenas (Institute of Geophysics - University of Tehran)</i></p>
<p>Wednesday 15:20 - 17:00</p>	<p>CP-13 Contributed Papers #13 Venue SN2098</p>
<p>15:20</p>	<p>CP-13.01 – <u>Small Craft Harbour Design: Engineering Methods and Insights to Improving Functionality, Maintenance and Safety of Existing and new SCH Facilities in Atlantic Canada</u> » <i>Danker Koliijn (CBCL Limited), victoria fernandez (CBCL Limited), Vincent Leys (CBCL Limited)</i></p>
<p>15:40</p>	<p>CP-13.02 – <u>Port Saint John West Side Terminals Modernization Project - Coastal and Marine Engineering Aspects</u> » <i>Dave Anglin (W.F. Baird & Associates Coastal Engineers Ltd.), Jeff MacNabb (W.F. Baird & Associates Coastal Engineers Ltd.), Darcy Harris (Dillon Consulting Ltd.), Chris Hall (Port Saint John), Tyler O'Rourke (Port Saint John)</i></p>
<p>16:00</p>	<p>CP-13.03 – <u>Coastal Engineering Experiences and Approaches in Defining Setback Lines for Shore Protection</u> » <i>Justin McKibbon (WSP), Steve Renaud (WSP), Nicolas Guillemette (WSP), Vincent Metivier (WSP)</i></p>
<p>16:20</p>	<p>CP-13.04 – <u>Pico-Solar Energy Systems for Lighting in Rural Areas of Bangladesh</u> » <i>Debobrata Gupta (Memorial University of Newfoundland), Tariq Iqbal (Memorial University of Newfoundland)</i></p>
<p>16:40</p>	<p>CP-13.05 – <u>A Review of Coastal Flood Risk Assessment Practice and Needs for Climate-Resilient Buildings and Infrastructure</u> » <i>Enda Murphy (National Research Council Canada), Andrew Cornett (National Research Council Canada), M. Naveed Khaliq (National Research Council Canada), Paul Knox (National Research Council Canada)</i></p>
<p>Wednesday 15:20 - 17:00</p>	<p>CP-14 Contributed Papers #14 Venue SN2101</p>

15:20	CP-14.01 – <u>Creating a comprehensive shoreline database for British Columbia through the use of an innovative web mapping application</u> » <i>Valerie Wynja (Environment and Climate Change Canada), Jason Duffe (Environment and Climate Change Canada), Jon Pasher (Environment and Climate Change Canada), Bhavana Chaudhary (Environment and Climate Change Canada), Matt Giles (Environment and Climate Change Canada), Tom Giles (Environment and Climate Change Canada)</i>
15:40	CP-14.02 – <u>From paper to web maps – lessons learned from 10 years of communicating coastal flood risk for land use planning in southeast New Brunswick</u> » <i>James Bornemann (Southeast Regional Service Commission)</i>
16:00	CP-14.03 – <u>MAPPING SOCIO-ECOLOGICAL VALUES: The use of geospatial tools to make informed decisions on the marine and coastal management areas surrounding Gros Morne National Park, Newfoundland</u> » <i>Rebecca Brushett (Memorial University of Newfoundland)</i>
16:20	CP-14.04 – <u>Cloud Based Open-source Tools for Geo-spatial Mapping and Data Management</u> » <i>Kevin Grootendorst (Zuzek Inc.)</i>
16:40	CP-14.05 – <u>Geospatial Land Use Planning For Real Estate Management In West Africa Coastal Cities</u> » <i>OLAJUMOKE JEJELOLA (Federal University of Technology, Akure)</i>
Wednesday 15:20 - 17:00	SS-7 COIN Atlantic – Introducing Integrated Ocean Observing to Atlantic Canada Venue A1043
15:20	<u>Introducing Integrated Ocean Observing to Atlantic Canada</u> » <i>Andrew Sherin COIN Atlantic</i>
Wednesday 18:00 - 23:00	CZC2018 Evening Downtown Venue Downtown St. John's
Thursday, 19th July	
Thursday 09:00 - 09:30	KN-9 Keynote Address - The Way Forward Venue Bruneau Lecture Theatre (IIC 2001)
09:00	<u>A Prospective on Coastal Zone Management in Canada, past, present and future</u> » <i>Larry Hildebrand Coastal Zone Canada Association</i>
Thursday 09:30 - 10:30	PD-5 Panel Discussion - The Way Forward Venue Bruneau Lecture Theatre (IIC 2001)
09:30	<u>Integrated Coastal Zone Management: The Way Forward</u> » <i>Larry Hildebrand Coastal Zone Canada Association</i>
Thursday 10:30 - 11:00	Nutrition Break #7 Venue Bruneau Centre Atrium
Thursday 11:00 - 11:30	SA-1 Special Announcement - Our new Community of Practice for Cold Regions Living Shorelines

	Venue	Bruneau Lecture Theatre (IIC 2001)
11:00		Our new Community of Practice for Cold Regions Living Shorelines » <i>Pete Zuzek, Danker Kolijn, and Gene Clark Coastal Zone Canada Association</i>
Thursday 11:30 - 11:45	SA-2 Venue	Special Announcement - CZC2020 Location Announcement Bruneau Lecture Theatre (IIC 2001)
11:30		CZC2020 Location Announcement » <i>Pete Zuzek Coastal Zone Canada Association</i>
Thursday 11:45 - 12:00		CZC2018 Conference Closing Remarks Venue Bruneau Lecture Theatre (IIC 2001)