

Monday, May 6th: Burke Building, 5932 Inglis St			
Defining Success & Developing Frameworks (Theatre B): Chair, Danika van Proosdij, Saint Mary's University			
7:45-8:30	Registration	Please bring posters and slides	
8:30-9:00	Land Acknowledgement & Welcome Remarks	Geri Musqua-Leblanc, Dalhousie Elders in Residence	
9:00-9:30	Keynote Speaker Dr. Brian McFall, PE	An Introduction to the US Army Corps of Engineers' Engineering With Nature® Initiative	Research Civil Engineer, U.S. Army Engineering Research and Development Center (ERDC)
9:30-10:10	Panel Danika van Proosdij ¹ (Chair); Brian McFall ² ; Kala Pendakur ³ ; Sabine Dietz ⁴ ; Danker Koliijn ⁵ , Mary-Ann Wilson ⁶	Reflections on the implementation of nature-based adaptations (NbA) and building with nature in a northern climate: visions for the future	1 Saint Mary's University; 2 US Army Corps of Engineers; 3 Standards Council of Canada; 4 Aster Group; 5 CBCL Ltd.; 6 Natural Resources Canada
10:10-10:30 CBCL Limited Networking Break			
10:30-10:50	Kala Pendakur ^{1*} ; B. Zupancic ²	Developing new tools: How standards can support vulnerable communities adapt to climate change	1 Standards Council of Canada; 2 Canadian Standards Association
10:50-11:10	John Sommerville ^{1*} , M. A. Wilson ² .	Collaborative Action on Coastal Adaptation under Canada's Adaptation Platform	1 Policy Analyst, Climate Change Impacts and Adaptation Division, Natural Resources Canada; 2 Program Manager, Climate Change Impacts and Adaptation Division, Natural Resources Canada
11:10-11:30	Eva Mooers ^{*1} ; R. Jamieson; B. Kurylyk ² ; E. Rapaport ² ; P. Manuel ² ; D. Van Proosdij ¹ ; H. Beltrami ³ ; J. Hayward ² ; J. KarisAllen ² ; K. Clark ² ; C. Tusz ² ; R. Jahncke ¹ ; A. García-García ³ ; F. J Cuesta-Valero ³ .	Municipal Flood Mapping Project – A Framework for Coastal and Riverine Climate Change Scenarios	1 Nova Scotia Department of Municipal Affairs; 2 School of Planning, Dalhousie University; 3 Saint Mary's University; 3 St. Francis Xavier University
11:30-11:50	Josh Wiebe [*]	Incorporating Living Shorelines principles in shore protection on the Great Lakes	Baird & Associates
11:50-12:00	Chair Wrap-up & Questions		
12:00-1:00 Lunch			
Lessons from the Field: Collaborations & Cross-disciplinary Boundaries (Theatre B): Chair, Danker Koliijn, CBCL Limited			
1:00-1:20	K. Lokman; Tugce Conger [*]	The 'Living Breakwaters' project: A multi-layered approach to coastal adaptation	Institute for Resources, Environment and Sustainability
1:20-1:40	Jessica Foley [*] ; R. Mandel	Adapting to climate change: the importance of site-specific plant considerations for increasing success of living shorelines projects	Ramboll

1:40-2:00	Colin McVarish*; N. MacDonald; J. Bernier	An Ecologically Informed Approach to the Design, Build, and Monitoring of Cold Water Living Shorelines in Atlantic Canada.	CBCL Ltd.
2:00-2:20	Tony Bowron ^{1,2*} ; J. Graham ^{1,2} ; D. van Proosdij ² ; B. Pett ³ ; K. Bekkers ⁴	Taking off the training wheels: How twenty years of collaboration and experience in tidal wetland restoration can inform the discussion on climate change adaptation in Nova Scotia	1 CBWES Inc.; 2 Saint Mary's University; 3 Nova Scotia Department of Transportation and Infrastructure Renewal; 4 Nova Scotia Department
2:20-2:30	Chair Wrap-up & Questions		
2:30-3:00 Break			
Barriers & Drivers to Nature Based Adaptation: Social, Economic, Institutional, Environmental Considerations (B205) Chair, Danika van Proosdij			
3:00-3:05	Danika van Proosdij ^{1,2*}	Welcome and Introduction: What are your experiences, past and present, with nature-based adaptation?	1 Saint Mary's University, 2 TransCoastal Adaptations
3:05-3:15	Patricia Fuller	Canada's International Leadership on Climate Change, and the role of Natural Infrastructure	Canada's Climate Change Ambassador
3:15-3:25	Patricia Fuller	Questions and answers	Canada's Climate Change Ambassador
3:25-3:45	Laura McCardle*; M. Conlin	Making Room for Movement: Exploring Drivers and Barriers to Implementing Nature-Based Coastal Adaptations	School of Planning, Dalhousie University
3:45-4:05	Round Table 1	Governmental, administrative, economic, physical, socio-cultural, environmental constraints/opportunities	
4:05-4:25	Round Table 2	Past and present experiences - successes and failures	
4:25-4:45	Danika van Proosdij ^{1,2*}	Synthesis & wrap-up	1 Saint Mary's University; 2 TransCoastal Adaptations

Tuesday, May 7th- Burke Building, 5932 Inglis St			
Lessons from the Field: Integrating Coastal Geomorphology and Engineering (Theatre B): Chair, Danker Kolijn, CBCL Limited			
8:30-8:40	Chair intro- Setting the Stage	Applying nature-based engineering approaches in different coastal environments: review of distinct environmental processes	
8:40-9:00	Vladimir Kostylev ¹ , P. Fraser, P. Potter, A. Robertson, D. Whalen, R. Taylor, D. Forbes.	Atlantic Monitoring of gravel beach dynamics and predicting coastal change in Nova Scotia using UAV	1 Geological Survey of Canada- Atlantic.
9:00-9:20	Phil Osborne*	Pacific - Putting the geomorphology back in to nature-based shoreline design – examples from the Salish Sea	Golder Associates
9:20-9:40	Danika van Proosdij ^{1,2*}	Fundy - Key considerations for application of nature-based designs in hypertidal, muddy estuaries	1 Saint Mary's University, 2 TransCoastal Adaptations
9:40-10:00	Donald L. Forbes	Northern Living with Ice in the Arctic Shore Zone	Research Scientist Emeritus, Geological Survey of Canada, Natural Resources Canada
10:10-10:30 Break			
Lessons from the Field: Successes, Challenges & Problem Solving Chair (Theatre B): Chair, Phil Osborne, Golder Associates			
10:30-10:50	Kirsten Ellis ^{1*} ; J. Graham ¹ ; T. Bowron ¹ ; D. van Proosdij ² ; C. Esau ³ ; K. Bekkers ³	Nature-Based Approaches for Bank Protection and Shoreline Management in Atlantic Canada	1 CBWES Inc.; 2 Saint Mary's University; 3 Nova Scotia Department of Agriculture
10:50-11:10	Esther Gomes*, V. Fernandez, A. Wilson, D. Kolijn, V. Leys.	Engineering Coastal Adaptation in Nova Scotia with Living Shorelines	CBCL Ltd.
11:10-11:30	DG Blair*	Green Shores from coast to coast	Stewardship Centre for BC
11:30-11:50	Chair Wrap-up & Questions		
11:50-12:00			
12:00-1:00 Lunch			
Lessons from the Field: Capacity Building and Communities (Theatre B): Chair, Danika van Proosdij, Saint Mary's University			
1:00-1:20	Sabine Dietz ^{1*} ; A. Cheeseman ² ; S. Sheth ³	Natural and Nature-Based Infrastructure A BRACE capacity building project aimed at engineers, land use planners and environmental organizations in New Brunswick	1 Aster Group; 2 Nature NB; 3 New Brunswick Environmental Network
1:20-1:40	Kelly Schnare*	Personalizing our Shorelines	Re-imagining Atlantic Harbours for 2050 (RAH2050)
1:40-2:00	Deborah Carlson*; J. Readshaw	Living Dike for Coastal Community and Ecosystem Resilience	West Coast Environmental Law
2:00-2:30	Chair Wrap-up & Questions		
2:30-3:00 CBWES Inc. Networking Break			
Lessons from the Field: Knowledge Gaps, Research Needs and Opportunities (Theatre B): Chair, Danker Kolijn, CBCL Limited			

3:00-3:10	Danker Kolijn*	What are current knowledge gaps around successful application of nature based designs, and how can we address them? - Role of CRLS CoP	CBCL Ltd.
3:20-4:00	Panel: Danker Kolijn ¹ (Chair); Danika van Proosdij ² ; Phil Osborne ³ ; Tony Bowron ¹ ; DG. Blair ⁴	What are current gaps in knowledge around successful applications of nature based designs, and how can we address them?	1 CBCL Ltd.; 2 Saint Mary's University; 3 Golder Associates; 4 Stewardship Centre for BC
4:00-4:20	Open Discussion and Questions		
4:25-4:30	Danker Kolijn*	Synthesis and wrap up	CBCL Ltd.
6:00	Pub Night at Red Stag Tavern	1496 Lower Water St, Halifax	

Wednesday, May 8th- Sobeys Building, 903 Robie St			
Tools and Technology (SB260) Chair, Danika van Proosdij			
8:30-8:50	Eric Roberts ^{1*} ; T. Ballester ² ; D. Burdick ² ; Curtis Bohlen ³ ; J. Freedman ⁴ ; K. Howard ⁵ ; J. Knisel ⁶ ; J. H. Mattei ⁷ ; J. O'Donnell ⁸ ; P. Slovinsky ⁹	Monitoring metrics, data collection and analysis for living shoreline approach	1 The Nature Conservancy; 2 University of New Hampshire; 3 University of Southern Maine; 4 Rhode Island Coastal Resources Management Council; 5 New Hampshire Department of Environmental Services Coastal Program; 6 Massachusetts Office of Coastal Zone Management; 7 Sacred Heart University; 8 University of Connecticut, Connecticut Institute for Resilience and Climate Adaptation; 9 University of Connecticut, Connecticut Institute for Resilience and Climate Adaptation
8:50-9:20	Invited 5-Min Pop-up Talks & Knowledge-Exchange	Pop talks & group discussion	
9:20-9:40	Greg Baker ^{1,2*}	Technical Considerations Regarding the Use of Remotely Piloted Aircraft for Monitoring Nature-Based Adaptations	1 Saint Mary's University; 2 Maritime Provinces Spatial Analysis Research Centre (MP_SpARC)
9:40-10:10	Invited 5-Min Pop-up Talks & Knowledge-Exchange	Pop talks & group discussion	
10:10-10:30 Break			
Communicating with Stakeholders and Communities (SB260): Chair, Danika van Proosdij, Saint Mary's University			
10:30-10:40	Kate Sherren*	Finding Leverage Points: Understanding cognitive, psychological, social and cultural responses and barriers to nature-based solutions	School for Resource and Environmental Studies, Dalhousie University
10:40-11:00	Round Table 1	Generating "buy-in" with stakeholders: What works? What doesn't work?	
11:00-11:20	Round Table 2	Communicating to the broader public: What works? What doesn't?	
11:20-12:00	Kate Sherren*	Synthesis and wrap up	School for Resource and Environmental Studies, Dalhousie University
12:00-1:00 Lunch			

Free Public & Practitioner Tech-Vendor Trade Show: Demos & Applied Posters, 903 Robie St, Loyola Conference Hall (L290)

1:00-2:30 Public & Practitioner Tech-Vendor Trade Show and Applied Posters	Alexi Baccardax	Introduction to the Canadian Integrated Ocean Observing System Atlantic	CIOOS-Atlantic
	Dr Drone	Presentation	
	Jessica Wilson ^{1,2*} ; I. Nistor ¹ ; M. Mohammadian ¹	Nature-based coastal protection using Large Woody Debris: What is it and does it work?"	1 University of Ottawa; 2 Northwest Hydraulic Consultants
	DG Blair*	Using Green Shores® to address coastal flooding- a resilient approach to Sea Level Rise	Stewardship Centre for BC
	Danika van Proosdij ^{1*} ; J. Graham ² ; T. Bowron ² ; R. Mulligan ³ ; C. Ross ⁴ ; K. Bekkers ⁵ ; B. Pett ⁶ .	Making Room for Wetlands – Implementation of Managed Realignment and Salt Marsh Restoration to Enhance Resilience of Dykeland Communities to Climate Change Impacts in the Bay of Fundy, Canada	1 Saint Mary's University; 2 CBWES Inc.; 3 Queen's University; 4 Nova Scotia Department of Agriculture; 5 Nova Scotia Department of Transportation and Infrastructure Renewal
	Claire Tusz*	Exploring Frameworks for How to Implement Nature-Based Coastal Adaptation	Dalhousie School of Planning
	Angela Banks*	Development of a Coastal Restoration Program for Prince Edward Island	PEI Watershed Alliance
	Kate Clark*; P. Manuel; E. Rapaport	Making Room for Movement: Valuation of Nature-Based Coastal Adaptation	Dalhousie School of Planning
	Tony Bowron ^{1*} ; J. Graham ¹ ; D. van Proosdij ² ; J. Lundholm ² ; N. Neatt ¹ ; B. Pett ³	Looking Back over 15+ Years of Tidal Wetland Restoration Projects in Nova Scotia, Canada	1 CBWES Inc.; 2 Saint Mary's University; 3 Nova Scotia Department of Transportation and Infrastructure
	Kelly Schnare*	Personalizing our Shorelines	Re-imagining Atlantic Harbours for 2050 (RAH2050)
	M. Schoell ¹ ; Suzanne Ayvazian ^{2*} ; A. Gerber-Williams ³ ; M. Chintala ² ; D. Grunden ⁴ ; A. Pimenta ² ; D. Cobb ² ; C. Strobel ² ; K. Rocha ²	Living Shorelines and Nitrogen Mitigation on Martha's Vineyard, MA	1 US Environmental Protection Agency, Office of Research and Development, Atlantic Ecology Division; 2 US Environmental Protection Agency, Office of Research and Development, Atlantic Ecology Division; 3 ORISE Fellow, US Environmental Protection Agency, Office of Research and Development, Atlantic Ecology Division; 4 Town of Oak Bluffs Shellfish Department
	John Sommerville	Collaborative Action on Coastal Adaptation under Canada's Adaptation Platform	Natural Resources Canada
2:30-3:00 Break			

Indigenous-led Perspectives (SB255)			
3:00-4:30	Roger Lewis ^{1*} ; Ursula Johnson ^{2*}	Facilitating critical discourse to create lasting change for meaningful collaboration around climate change adaptation: Educate, inform, challenge, and entertain.	1 Curator of Ethnology, Nova Scotia Museum of Natural History; 2 Multidisciplinary Mi'kmaq Artist
Free Public & Practitioner Tech-Vendor Trade Show Reception, 903 Robie St, Loyola Conference Hall (L290)			
Licenced Networking Reception 4:30-6:00	Dr. Robert Summerby-Murray	Opening Remarks	President of Saint Mary's University
	Licenced Networking Event with Registrants from Climate-Resilient Workshop, ACCESS, Tech-Vendors, and the Public!		