



ACCESS 2018

24-26 May, 2018

Memorial University, St. John's NL

All sessions are in the Science Building (#21 on map, with central courtyard occupied by Parking lot #6). Residences are complexes #30 and #43 (directly east)

Registration, Posters and Refreshments are in SN-2025

Oral presentations are in SN-4022

CONFERENCE PROGRAMME

Thursday, May 24th – Training Workshop

Led by Yolanda Wiersma

12:30 – 1:00 pm	Early Registration, Poster set-up (Room SN-2025)
1:00 – 5:00 pm	Workshop: <i>The Social-Natural Science Interface in the Coastal Zone</i>
5:00 – 6:00 pm	Reception (Room SN-2025)

Friday, May 25th – Conference (Room SN-4022)

Chaired by Bruce Hatcher

8:00 – 8:30 am	ACCESS Meeting Registration & Poster set-up (Room SN-2025)
8:30 – 8:45 am	Welcome, Introductions & Housekeeping
8:45 – 10:00 am	Social-Natural Science
10:00 – 10:30 am	Refreshment Break
10:50 – 11:50 am	Human Impacts & Restoration
12:00 – 1:00 pm	Lunch Break (<i>catered</i>)
1:00 – 1:20 pm	Physical Processes
1:20 – 2:30 pm	Flora & Fauna
2:30 – 3:00 pm	Refreshment Break
3:20 – 4:00 pm	Green Crab Session
4:00 – 5:00 pm	ACCESS Annual General Meeting (h'ors d'ourves & cash Bar)
5:00 – 6:00 pm	Poster Session & Award of Student Prizes, Closing remarks
6:30 – 10:00 pm+	Banquet (<i>YellowBelly</i> downtown)

Saturday, May 14th – Coastal Conception Bay Field Trip

Led by Norm Catto

8:30 pm	Assemble at Archway of Science Building (parking lot 6), departure in vans
12:00 pm	Picnic Lunch on the shore
5:00 pm	Return to Archway of Science Building

Thursday, May 24th - Training Workshop - Nexus Centre (SN 4022)

The Social-Natural Science Interface in the Coastal Zone

[led by Dr. Yolanda Wiersma]

- 1:00 pm: INTRODUCTIONS, housekeeping, icebreaker
- 1:20 pm: THEME 1: Communicating
- Principles of effective communication
 - Jargon issues
 - Introduction to the “message box”
- 2:20 pm: THEME 2: Understanding
- What are the social sciences?
 - Working with traditional knowledge holders and First Nations (guest presenter A Aruna Jayawardane)
- 3:00 pm: REFRESHMENT BREAK in SN-2025
- 3:30 pm: THEME 2: Understanding (continued)
- 4:00 pm: THEME 3: Action
- Using Citizen Science as a tool
- 4:45 pm: Wrap-up discussion
- Pros and cons of interdisciplinary research
- 5:00 pm: Adjournment

Workshop Resources have been posted on my website:

<https://nllandscapeecology.com/access-workshop/>

Feel free to contact me after the workshop! Thank you for your participation today!

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5:00 pm: ACCESS 2016 Conference Welcome Reception (Room SN-2025)

ACCESS 2018 Annual Conference – St. Johns’ Newfoundland

Friday, May 25th - Nexus Centre, Room SN-4022

08:30 - Welcome and opening remarks from the ACCESS Executive. Chair: Bruce G. Hatcher

08:45AM SESSION I: *Social-Natural Science Interface in the Coastal Zone*

08:45 - Yolanda Wiersma (invited paper)

LEARNING WITH AND FROM THE PUBLIC THROUGH CITIZEN SCIENCE: TOOLS FOR BUILDING CONNECTIONS

09:15 - Matthew Penney (for Mary Kennedy *et.al.*)

COMMUNITY BASED SCIENCE USING *i*-NATURALIST: TURNING SCATTERED OBSERVATIONS INTO RESEARCH GRADE INFORMATION

09:35 - Gail Chmura

THE MARITIME RINGLET AND ITS SALT MARSHES’ STORY MAP: AN OUTREACH TOOL FOR ECCC’S HABITAT STEWARDSHIP PROGRAM - SPECIES AT RISK

Poster Pitch - Gail Chmura

USING GROWING DEGREE DAYS TO ASSESS SYNCHRONICITY OF THE ENDANGERED MARITIME RINGLET AND ITS NECTAR SOURCES

Poster Pitch - Monika Burba **

THE ROLE OF THE SOCIO-NATURAL CHANGES ON COASTAL ZONE OF ALBANIA

10:00AM REFRESHMENT BREAK (Room SN-2025)

10:30 Danika van Proosdij

MAKING ROOM FOR WETLANDS: APPLICATION OF COASTAL HABITAT RESTORATION FOR CLIMATE CHANGE ADAPTATION IN NOVA SCOTIA, CANADA

10:50AM SESSION II: *Human Impacts and Restoration* (Room SN-4022)

10:50 Aruna Jayawardane

FISH HABITAT, WATER QUALITY AND FISH POPULATION ASSESSMENT OF COCHRANE AND MCINTOSH BROOKS AND RUSAGONIS STREAM, NEW BRUNSWICK

Poster Pitch - Gail Chmura (for S. Levoy & E. Smith)

THE EFFECT OF NUTRIENT LOADING ON THE BELOWGROUND BIOMASS OF SALT MARSHES IN ATLANTIC CANADA

11:15 Jeff Ollerhead

THE CASE FOR SALT MARSH RESTORATION AROUND THE BAY OF FUNDY AS A RESPONSE TO SEA LEVEL RISE AND CLIMATE CHANGE

Poster Pitch - Allen Beck (for H.B. Reid *et.al.*)

BIOTIC COMMUNITIES AND ENVIRONMENTAL CONDITIONS OF SALT POOLS FOR AN ONGOING SALT MARSH RESTORATION IN THE BAY OF FUNDY

Poster Pitch - Spencer Virgin **

COMMUNITY DYNAMICS IN A SALT MARSH RESTORATION PROJECT IN THE UPPER BAY OF FUNDY: SEVEN YEARS LATER

Poster Pitch - Spencer Virgin (for Gregory Norris *et.al.*)
THE DYNAMICS OF THE SALTWATER CORDGRASS *Spartina alterniflora* DURING SALT MARSH RESTORATION

11:50AM SESSION III: *Physical Processes* (Room SN-4022)

Poster Pitch - Gail Chmura (for Margaret Kalacska *et.al.*)
STRUCTURE FROM MOTION WILL REVOLUTIONIZE ANALYSES OF TIDAL WETLAND LANDSCAPES

Poster Pitch – Gavin Manson

To be Announced

12:00PM LUNCH BREAK (catered – Room SN2015)

1:00 Bruce Hatcher

THE CASE FOR SMALL TIDAL ENERGY CONVERSION IN THE BRAS D’OR LAKE UNESCO BIOSPHERE RESERVE, CAPE BRETON, NOVA SCOTIA

1:20PM SESSION IV: *Flora & Fauna* (Room SN-4022)

Poster Pitch – Spencer Virgin **

RIBBED MUSSELS (*GEUKENSIA DEMISSA*): AN IMPORTANT ECOSYSTEM ENGINEER CONSPICUOUSLY ABSENT FROM SALT MARSHES IN THE BAY OF FUNDY

1:25 Spencer Virgin **

ADULT SURVIVAL, NOT RECRUITMENT, DRIVES POPULATION DYNAMICS OF RIBBED MUSSELS (*GEUKENSIA DEMISSA*) IN MARITIME CANADA

1:45 Allen D Beck **

THE MARINE PULMONATE SNAIL *MELAMPUS BIDENTATUS* IS FOUND THROUGHOUT THE SALT MARSH IN ITS NORTHERN RANGE

2:05 Alexa Stack Mills *

DOES THE COMMON MASH SNAIL (*MELAMPUS BIDENTATUS*) SHOW A PREFERENCE FOR LIVE OR DEAD *SPARTINA* GRASS SPECIES?

Poster Pitch – Matthew Penney *

SPATIAL AND TEMPORAL BENCHMARKING OF SHALLOW-WATER MARINE HYDROIDS (CNIDARIA, HYDROZOA) IN CAPE BRETON USING MORPHOLOGICAL AND MOLECULAR TECHNIQUES

2:30PM REFRESHMENT BREAK (Room SN-2025)

3:00 Matthew Penney *

EVALUATING GENETIC STRUCTURE OF *BUCCINUM UNDATUM* POPULATIONS OFF THE SCOTIAN SHELF USING MTDNA BARCODING GENES

3:20PM SESSION V: *Green Crab Session* (Room SN-4022)

3:20 Ali Gharouni

LARVAL VERSUS ADULT DISPERSAL: IMPLICATIONS OF TWO MODES OF DISPERSAL ON THE SPREAD RATE OF AN INVASION

Poster Pitch - Ali Gharouni.

YEAR-TO-YEAR VARIABILITY IN DISPERSAL INCREASES THE RATE OF SPREAD AGAINST A DOMINANT WATER CURRENT: A CASE STUDY WITH GREEN CRABS **2:10**

3:40 Gabrielle Beaulieu

SIGNS OF ECOSYSTEM RECOVERY: EUROPEAN GREEN CRAB CONTROL IN SOUTH WEST NOVA SCOTIA

4:00PM ACCESS Annual General Meeting (h'ors d'ourves & Cash Bar)

5:00PM POSTER SESSION, Student AWARDS, Closing Remarks

6:30PM Banquet Dinner (YellowBelly - 288 Water Street & 1 George Street, St. John's)

N.B. Presenting author in **bold**. Student Award Candidates: * Undergraduate; ** Graduate

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