

# MAP MATTERS

The Newsletter of the Marine Affairs Program, Dalhousie University



## Introduction

This year's conference sought to explore the knowledge and policy interface, and to examine different types of knowledge systems to understand how they inform policy making. The conference is a key activity of the Sobey Fund for Oceans (a unique partnership between the Marine Affairs Program, Dalhousie University, and WWF Canada). The event was organized by 2013-2014 Marine Affairs Program students. The event was opened by the Dean of Science, Dr. Chris Moore.

## Seeking Netukulimk



The event hosted at Dalhousie University began on Friday, April 11 with the screening of a documentary film, *Seeking Netukulimk*. This film explores the traditional laws governing fishing of the Mi'kmaq, and some of the conflicts and political battles surrounding traditional ways of life. The film was introduced by co-director, Dr. Martha Stiegman.

## Panel discussion

The documentary was followed by a panel discussion, moderated by Dr. Claudio Aporta, (Associate Professor, Marine Affairs Program). Panelists included: Mr. Kerry Prosper (Mi'kmaq Elder and co-director of *Seeking Netukulimk*), Ms. Sherry Pictou (Interdisciplinary PhD candidate at Dalhousie University), and Dr. Fred Metallic (Senior Policy Analyst



with the Listuguj Mi'gmaq Government). Each of the panelists contributed different perspectives of Mi'kmaq, and spoke to the different ways that knowledge is used to govern resource management. The panelists also echoed the documentary in that there are many ways to manage resources, and that each approach is valid in its own regard. Both the documentary film and the subsequent panel discussion were well-received by the audience (~120) and was a strong start to the 2014 Sustainable Oceans Conference.

## Sobey Fund for Oceans Scholarship Awards



*"I have a long history with both Dalhousie and WWF. It became clear to me that collaboration between our brightest young minds and our leaders in conservation is the key to solving some of the great challenges in our oceans. And that's a goal that I share with both Dalhousie and WWF."* Donald Sobey

During the Friday event, Mr. Donald Sobey son, Robert Sobey announced the awardees for the Sobey Fund for Oceans Scholarships. The awards of \$10,000 each support tomorrow's leaders see "beneath the surface" of our oceans' problems to find lasting solutions. The recipients for 2014 are:



**Maryann Watson** hopes to learn how solutions to oceans issues are developed using both scientific and social ecological data. Maryann graduated from the University of Victoria.



**Julie Hovey** research interests are primarily concerned with the improvement of aquaculture to reduce environmental impact and increase long term sustainability.

The third recipient is \_\_\_\_\_. Maryann and Julie are with the Marine Affairs Program, and \_\_\_\_\_ is with \_\_\_\_\_

## Saturday, April 12th, Life Sciences Centre and Ocean Sciences Building Atrium

### Oral and Poster presentations

The presentations given fell under four broad themes: (a) Sustainability and Knowledge Systems; (b) Communication Between and Among Stakeholders and Policy Makers; (c) Marine Governance, Policy and Law; and (d) Addressing Uncertainty in the Marine Environment. The quality of both the oral and poster presenters was outstanding, and judges were assigned the difficult task of selecting winners. In total, 9 papers and 5 posters were presented.

### Oral Presentations

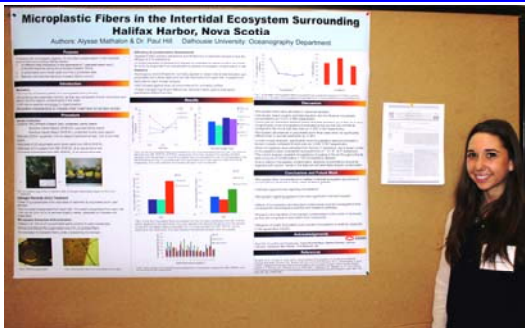


**Best oral presentation from a graduate student** was awarded to **Kaycee Morrison** (Acadia University), who presented on the migration habits of American lobsters through the FORCE tidal turbine test site in the Minas Passage, Bay of Fundy. Findings may contribute to future policy decisions regarding fisheries management and anti-biofouling techniques.



**Best oral presentation from an undergraduate student** was awarded to **David Foster** (Department of Biology and College of Sustainability, Dalhousie University). The paper discussed the strategic environmental assessment of Bill C-45, emphasizing changes to the Navigable Waters Protection Act & its potential effects on environmental protection in Canada.

### Best Poster Award



**Alysse Mathalon** (Department of Oceanography, Dalhousie University) won the best overall poster. Her poster focused on microplastic fibers in the intertidal ecosystem surrounding Halifax Harbour in Nova Scotia. This information can be used as preliminary data for future microplastic studies.

### Honorable Mention

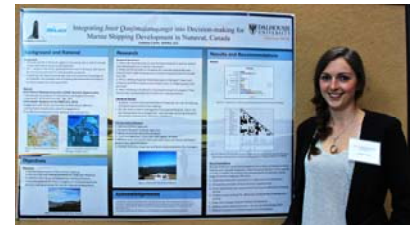


**Anna Naylor** (Marine Affairs Program alumna), whose poster explored the role of emergency management response after coastal disasters. Integrated Coastal Zone Management and capacity building are suggested as a means to help mitigate the impacts of large-scale events.

### Oral and Poster Presentations - People's Choice Awards



**Leah Beveridge** (Marine Affairs Program alumna). A method for assessing coastal vulnerabilities to climate change within an Arctic community: The example of Tuktoyaktuk, Northwest Territories.



**Andrea Flynn** (Marine Affairs Program alumna). A guide for integrating *Inuit Qaujimajatuqangit* into decision-making for the development of marine shipping in Nunavut.



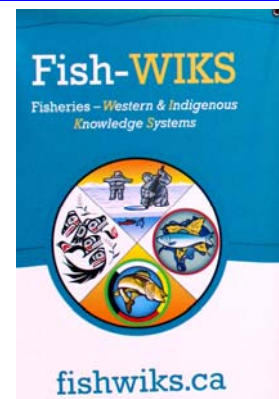
## Saturday, April 12th, Life Sciences Centre and Ocean Sciences Building Atrium Workshops

In the afternoon there were two workshops. The first workshop was entitled *Exploring Knowledge and Sustainability through Language*. The second workshop was an *Interactive Mi'kmaq Language Session* that explored the Mi'kmaq language, and provided insight to, and a cross-cultural understanding of the Mi'kmaq culture.

### Interactive Mi'kmaq Language Session



The Mi'kmaq worldview is embedded within the Mi'kmaq language, which weaves together both culture and teachings. This interactive session provided insight and cross-cultural understanding through an exploration of the Mi'kmaq language. Participants had an opportunity to learn how language and culture play a role in how people think about the environment. A key message that emerged from this session was the need to acknowledge and recognize that vastly different perspectives are all equally valid, exist and present real challenges and opportunities for policy making.



This session was led by Ms. Shelley Young (left) and Ms. Marina Young (right), sisters and proud Mi'kmaq mothers from Eskasoni First Nation. Amber Gills (middle), Marine Affairs Program (2013-2014) helped to organise this session. *Shelley* lives in Halifax where she teaches Mi'kmaq at the Mi'kmaq Child & Development Center. *Marina* owns her own business in Eskasoni and teaches the Mi'kmaq language at the Mi'kmaq Child & Development Centre in Halifax. *Amber* is a member of the Fish-WIKS project, which focuses on understanding western and Indigenous knowledge systems and explores how the different processes by which knowledge is acquired, transmitted and used can be harnessed to enhance Canadian fisheries policy. The lead Investigator for this project is Dr. Lucia Fanning.



### Exploring Knowledge and Sustainability through Language

This workshop was an opportunity to discuss the conference's themes via a moderated discussion. Ms. Susan MacLeod, (middle) a visual graphic facilitator, transformed the discussion onto mural-size paper, giving participants insight and a visual representation of the many factors contributing to oceans management. Key questions asked during this session were - what does sustainability mean to you? and what can we do to improve sustainability? Helping to organise the session and facilitate questions were Elise Will (left) and Sonja Jind (right), Marine Affairs students 2013-2014.



Graphic Facilitation helps people know they have been heard and participants can see connections that might otherwise have gone unnoticed. Research has shown graphic facilitation increases retention of information and improves attention.



# Conference at a Glance!

## Memorandum of Understanding between MAP & NEXUS Coastal



Dr. Robert Fournier & Mr. Chris Milly

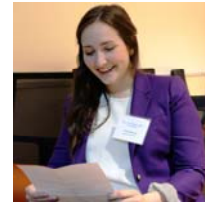
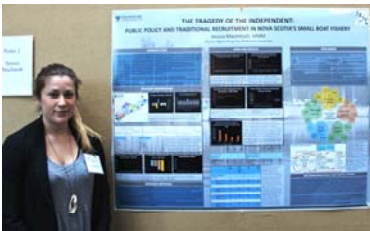
NEXUS Coastal is a company that is dedicated to working with industry and community stakeholders on resource projects and development initiatives. During the conference the Marine Affairs Interim Director, Dr. Robert Fournier signed an MOU with the Principle Investigator, Nexus Coastal, Mr. Chris Milly to....

NEXUS Coastal is managed by, and includes MAP alumni - Maria (Bugsy) Delesalle (Engagement lead); Alanna Gauthie (Marine Biology lead) and Brennan Daly (Facilitation lead)



MAP alumni Maria (Bugsy) Delesalle (2nd from left) and Alanna Gauthie (1st from right)

## Conference Guests, Participants and Organizers



## Marine Affairs Students 2013-2014



**Acknowledgements:** We are very grateful to all of our sponsors and supporters: the Sobey Fund for Oceans, NEXUS Coastal Resource Management, Faculty of Science Alumni Association, MBA Cooperative Residency Program, Dalhousie Bookstore, Sobey Fund for Oceans Steering Committee and Marine Affairs Student Society. Our sincere thanks to the presenters, participants, artists, chairs, judges, rapporteurs and volunteers who have contributed their time and talent to make this a memorable event. Summary compiled by Danielle Scriven MMM, 2013-2014 and Liz Wilson (MAP alumni). Photo credits - Nicolas Winkler, Chloe Reddy & Shelby Mclean. **For further information about the conference please contact Becky Field, Marine Affairs Program ([becky.field@dal.ca](mailto:becky.field@dal.ca))**

