



## Congratulations to the Master of Marine Management Class of 2019-2020!

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In the Spring of 2021, the MMM Class of 2020 was celebrated through a virtual convocation event. The MMM Class of 2020 had to move their graduate degree experience halfway through from on-campus, in-person classes to online learning. This was an unprecedented effort on behalf of the students and faculty. In addition, their internship placements the Sustainable Oceans 2020 conference, and finally, Making Waves, the graduate project presentations switched to online. MAP is proud of the flexibility and versatility of the MMM Class of 2020. Good luck with your future endeavours.

### Making Waves 2020

The MMM Class of 2020 presented their Graduate Project research on December 10 & 11, 2020. The list of graduate projects, with direct links to the full research project, are listed on page 2. We invite you to learn about the marine management topics that the students tackled, from plastic pollution, shipping concerns, ocean literacy, ecosystem management, fisheries, to marine protected areas and aquaculture.

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# MMM Class of 2020 Graduate Projects

Noemie Blais	<a href="#"><u>Are Atlantic Leatherback Turtles (<i>Dermochelys coriacea</i>) at Risk of Plastic Pollution in the Northwest Atlantic Ocean?</u></a>
Rebecca Croke	<a href="#"><u>Incorporating climate change adaptation into large marine protected areas: the case of Ascension Island MPA</u></a>
Jessica Cucinelli	<a href="#"><u>An Impact Assessment on Shipping in the Canadian Eastern Arctic: A Baffinland Mine Case Study – Phase 2 Project Proposal</u></a>
Kiana Endrez	<a href="#"><u>Understanding the ecological linkages between salt marsh ecosystems and nearshore fisheries</u></a>
Delaney Ewing	<a href="#"><u>Managing the Groundfish Industry on Sensitive Benthic Areas of Interest for Marine Protected Area Network Establishment in the Scotian Shelf Bioregion</u></a>
Camille Mancion	<a href="#"><u>Exploring traceability in small-scale fisheries: from harvest to landing</u></a>
Stefan Miller	<a href="#"><u>Electrically stimulated artificial mussel (<i>Mytilus edulis</i>) reefs to create shoreline protection and coastal habitat in St. Margaret's Bay, Nova Scotia.</u></a>
Jenna Morrisette	<a href="#"><u>Identification of tools for implementing an ecosystem-based approach to species recovery under the Species at Risk Act</u></a>
KM Shahriar Nazrul	<a href="#"><u>Identifying institutional barriers to marine fisheries development projects in Bangladesh</u></a>
Rachel Rickaby	<a href="#"><u>Consideration of marine non-indigenous species in the planning, management, and monitoring of Canadian marine protected areas</u></a>
Morganne Robben	<a href="#"><u>Leaving Space to Roost: An Examination of Human Disturbances to Shorebirds in the Minas Basin, Bay of Fundy, Nova Scotia</u></a>
Bronwen Rowe	<a href="#"><u>Regional Response Planning (RRP) for Ship-Source Oil Spills in Canada: Assessing the Implementation Status of Recommendations and Integration into an RRP Framework</u></a>
Noemie Roy	<a href="#"><u>Fostering Ocean Literacy through Formal Education in Quebec, Canada: A Case Study of Saving a Coastal School</u></a>
Omar Sickander	<a href="#"><u>FACTORS AFFECTING IMTA (INTEGRATED MULTI-TROPHIC AQUACULTURE) IMPLEMENTATION ON ATLANTIC SALMON (<i>SALMO SALAR</i>) AQUACULTURE FARMS</u></a>
Catherine Thompson	<a href="#"><u>Influences on advice and decision-making in the DFO Maritimes Region: Opportunities for improving integrated coastal and ocean management (ICOM)</u></a>
Shannon Wood	<a href="#"><u>Drivers of Social Acceptability for Bivalve Aquaculture in Atlantic Canadian Communities</u></a>

# MMM Class of 2020 Awards and Prizes

## Captain Earle Wagner Marine Management Award



We are proud to announce the first recipient of the **Captain Earle Wagner Marine Management Award** is **Jessica Cucinelli**. Jessica has completed an undergraduate degree at Dalhousie, combining interests in Marine Biology with a certificate in Environmental Impact Assessment. This path aligns with the values of the award well, as it is intended to recognize someone who is thinking originally about the impact of global warming on marine and human life as well as someone who has visionary research on the impacts of climate change. For Jessica's graduate work she studied the proposed Baffinland Iron Ore Mine and explored the impact marine shipping makes on marginalized communities.

[MAP News Story on the Captain Earle Wagner Marine Management](#)

## Marine Affairs Millennium Prizes

The Marine Affairs Millennium Prizes were established to celebrate outstanding performances in each of the core courses of the MMM. Along with their academic achievements, the Awards and Prizes committee also considers student commitment to critical analysis, Strong class participation and concise communication skills.

**Shannon Wood** received the **Marine Management Millennium Prize** for her work in *Coastal Zone Management*. After completing her undergrad at Dalhousie, Shannon continues to use her interdisciplinary approach to learning in the MAP program. In the *Coastal Zone Management* course, Shannon says that she “had a great experience portraying ‘Wood’ Agriculture in our ICZM simulation”. She explains that the course “helped me engage with strategies for negotiations and helped me understand the role that an Honest Broker has in the decision—making process for marine and coastal issues.”



**Camille Mancion** was awarded the **Marine Science and Technology Millennium Prize** for her work in *Marine Science and Technology*. After the completion of her undergraduate work at McGill in Environmental Science Department, Camille choose to study the MMM program at Dalhousie. The Science and Technology course provided Camille with a better foundation in technology for collecting data and communications. Camille says that she is “excited to be joining the Department of Fisheries and Oceans” where she will be a marine mammal observer. She intends to utilize the skills gained during her time at Dalhousie while “conducting aerial surveys with their team to observe and monitor North Atlantic right whales in Eastern Canadian waters.”





**Omar Sickander** was the recipient of the **Marine Policy Marine Affairs Millennium Prize** for his work in *Contemporary Issues in Ocean Management and Development (Fall Term)*. Omar spent much of his youth in Ontario with yearly trips to St. Lucia. He found his way to Dalhousie, where he completed a BSc Co-op with a Major in Marine Biology, a Minor in Business and a Certificate in Aquaculture and the Environment. Among other experiences, Omar was able to travel to Costa Rica to work with TurtleTrax. Most recently, Omar has spent time working with the Aquaculture Association of Nova Scotia and as a Marine Management Consultant with Chris Milley at NEXUS Coastal Resource Management Ltd.

### Marine Affairs Gold Award & Interdisciplinarian of the Year

We are thrilled to announce **Noémie Roy** as the Marine Affairs **Gold Award** Recipient along with the **Interdisciplinarian of the Year Millennium Prize**. Noémie was recognized for her ability to engage with a broad array of knowledge and skills within the Marine Affairs Program. The Gold Award honors a student's ability to act as an honest broker—a professional who is prepared to engage with multiple perspectives to make informed decisions in marine management. She comments, "interdisciplinary [work] is at the core of ocean literacy because our connection to the ocean involves many sectors." This was emphasized in her undergraduate honours work as well as during her time in the MMM program. She is working on marine conservation with Parks Canada.



*Taking It All In*  
Polly's Cove, NS  
By Maria Kirby-Breen  
Photograph submission for the  
Sustainable Oceans 2020  
Conference



The Sustainable Oceans Conference 2020, titled “Local Ripples, Global Waves” was held on September 25<sup>th</sup> and 26<sup>th</sup> in 2020. The conference is organized by the Master of Marine Management students in the Marine Affairs Program. Every student in the program is involved in the planning and running of this conference. This is a public event that is free for all attendees, and is supported by the Sobey Fund for Oceans.

This student run conference brought together a wide range of people from all over the world that are passionate about the conservation of oceans . This is the only student – led conference of its kind in Atlantic Canada. Delaney Ewing, Stefan Miller and Rachel Rickaby, as co-chairs also served as emcees for the two-day event. The conference gave each student the platform to discuss their graduate research among colleagues and professionals in the field for feedback and discussion.

Rachel Rickaby noted that “our biggest challenge was switching from a fully in-person conference to completely online. The planning process for the conference began in October 2019 and we did not formally decide to transition the conference online until late May/June. Because the conference occurred on September 25<sup>th</sup> and 26<sup>th</sup>, 2020, this did not give us much time to completely reconfigure the conference.” But the team did have some wonderful success with the transition. The conference was very well attended with 206 people participating. One of the many success stories with the online platform is that it allowed people to join easily from all over the world. Folks attended from Canada, United States, Mexico, Brazil, Portugal, France, South Africa, Puerto Rico, the United Kingdom, Algeria, Bangladesh, Australia, Tunisia, and Spain!

The event featured a panel discussion on Friday evening on Local Contributions to the UN Decade for Ocean Science. The panel included Stella Bowles, a youth environmental activist, Gerald Singh, an academic researcher, and Collen Turlo from Oceans North. The moderator of this fascinating panel was Dr. Lucia Fanning, Professor Emeritus Marine Affairs Program.

The student oral presentations on Saturday focused on three themes: Exploring Social Aspects of Fisheries and Aquaculture; Local Contexts for Global Solutions; and Creative Approaches for Innovative Solutions. The poster presentations were done through Snack & Learn sessions with the themes of Innovative Ocean Management in Atlantic Canada, and Global Strategies for Ocean Management.

The keynote speech “Our Ocean Relations: Cultivating Marine Citizenship and Local Action in Canadians” by Dr. Diz Glithero, National Coordinator of the Canadian Ocean Literacy Coalition, highlighted the need to foster knowledgeable, empathetic, and engaged citizens to value and care for the ocean.

We invite you to browse through the [SO 2020 Conference Program](#) to read the abstracts of the presentations.



## Message from the MAP Director

Greetings from the Marine Affairs community. As we come to the end of the winter semester (2022), we are grateful for such a wonderful group of students, staff, and faculty. They have done an incredible job of responding to the challenges since the onset of the pandemic. The MMM class of 2020 saw their studies shift suddenly online in the winter term and had to complete the remainder of their degree remotely. The MMM class of 2021 completed their entire degree online, over the full sixteen months of their program. The MMM class of 2022 began in-person but had to shift online for the start of the winter semester. I have been amazed at their commitment and perseverance through all the stress and disruption.

This issue of MAP Matters newsletter focuses on our MMM students. Our next issue will feature news regarding our faculty, research, and staffing changes over the past couple of years. In this issue, we want to highlight particularly the achievements of the MMM cohorts of 2019-2020 & 2020-2021. As you see in the various news stories, they comprise a remarkable group with a wide range of interests, a shared passion for ocean research, and a strong commitment to collegiality. Many thanks to Becky Field for all her hard work in keeping everything together! From recruitment through to convocation, each year Becky's expertise and commitment have ensured that our MMM program remains so vibrant and successful.

The highlights of our academic years remain the *Sustainable Ocean* conference and the *Making Waves* student symposium. Thanks to the conference co-chairs for such an excellent job of organizing and delivering outstanding, fully online events in 2020 & 2021. The commitment and dedication of the Sustainable Ocean co-chairs with the support of their classmates shows through the excellent turnout of participants. The engagement with the keynote speakers, panelists and student presenters was top notch. Through the annual student conference and scholarship programs, the *Sobey Fund for Oceans* continues to support innovative scholarship by the next generation of leaders in oceans research. We are grateful to the Sobey family for their steadfast support of the Marine Affairs Program. We are also thankful for the continued support of the Faculty of Science, and in September 2021 we were delighted to welcome our new Dean, Dr. Charles (Chuck) Macdonald.

We hope you enjoy reading about the accomplishments of our amazing MMM students, who represent the best of our university and our community. For more information and updates, follow us [@DalMarAffairs](#).

**Jerry Bannister, MAP Director**



Georges Island, Halifax Harbour, Photo by Delaney Ewing, MMM 2020



## MMM Class of 2021



The MMM Class of 2021 began their program online beginning in September 2021. Through perseverance and dedication, they managed to attend online classes, study, conduct research (including internships), work on group projects, and organize the Sustainable Oceans conference across multiple time zones. The students hailed from Bangladesh, China, Mexico, British Columbia, Alberta, Ontario, Nova Scotia and Newfoundland.

Making Waves was held online again, on December 9 and 10, 2021. The list of their graduate projects with direct links are on page 8. Some of the students opted to continue their research in the current winter term. Their Making Waves event will be held in April. Stay tuned for the announcement of Making Waves 2021 2.0.

## MMM 2021 Graduate Projects

James Barclay	<a href="#"><u>A Potential Tool to Support the Prioritization of Blue Carbon Ecosystems in Canada</u></a>
Lisa Baxter	<a href="#"><u>Evaluating Canada's single-use plastic (SUP) mitigation policies via brand audit and beach cleanup data</u></a>
Lisa Chen	<a href="#"><u>Developing an Ocean Literacy Framework: Lesson from an Analysis of Ocean Week Canada</u></a>
Tianna Clarke	<a href="#"><u>The Canadian Maritime Sector's Perception of the International Maritime Organization's (IMOs) short-term measures for Greenhouse Gas (GHG) Emissions</u></a>
Aaron Cogger	<a href="#"><u>A Climate Change Vulnerability and Data Gap Assessment of Arctic Marine Species in the Tallurutiup Imanga National Marine Conservation Area</u></a>
Jillian Conrad	<a href="#"><u>Canada's Ocean Policy: Assessing enabling governance conditions for implementation of a national blue economy strategy</u></a>
Victoria Cullen	<a href="#"><u>Exploring Perceptions of Commercial Fisher Representation in Management: A Case Study of the North Atlantic Right Whale UME, 2017-2021</u></a>
Kaitlyn Curran	<a href="#"><u>Humanizing Marine Spatial Planning: A Salutogenic Approach</u></a>
Jaclyn Franceschini	<a href="#"><u>How Decision-Making in Fisheries Management Contributes to Changes in the Fishery: A Case Study of North Atlantic Swordfish</u></a>
Leah Fulton	<a href="#"><u>Untangling the Problem of Abandoned, Lost, and Discarded Fishing Gear: Evaluating the Benefits of Side Scan Sonar as a Gear Detection Method</u></a>
Francheska Krysiak,	<a href="#"><u>Linking Human Impacts to Recent Declines in Coral Reef Fish Communities in the Bay Islands</u></a>
David Marrack	<a href="#"><u>Harbour Facilities and Marine Accessibility in British Columbia's Isolated and Coastal Communities</u></a>
Martin Ostrega	<a href="#"><u>Evaluating Spawning Aggregation Management as a Strategy for Conserving Bonefish (<i>Albula Vulpes</i>) in Cuba</u></a>
Stephen Tiller	<a href="#"><u>Proposal for a Comprehensive Risk Framework for the Canadian Marine Shipping Industry: A Systematic Approach to Managing Transport Risks in Canadian Waters Based on an ISO 31000 Foundation</u></a>



# MMM Class of 2021 Awards and Prizes

## Captain Earle Wagner Marine Management Award

We are pleased to announce **Tianna Clarke** as the recipient of the **Captain Earl Wagner Award**. “It is a pleasure and honor to receive this award and the recognition from Captain Earl Wagner himself and the Marine Affairs Program. Through my MMM degree I had the opportunity to investigate Canadian stakeholder perspectives related to emissions in the maritime shipping industry and its implications on climate change.” Tianna’s research focused on the International Maritime Organizations’ (IMOs) Initial Strategy; a document established to identify and develop mechanisms to reduce greenhouse gases (GHGs) from the sector. Upon speaking with a range of shipping stakeholders it was evident that perspectives were diverse. Many insights converged on the absolute need for support in the form of government funding, and for a formal framework to transition the sector towards greener practices and operations. Tianna is currently working for the Municipal Climate Change Action Centre (MCCAC) in Edmonton, Alberta. The MCCAC helps Albertans to reduce GHG emissions, improve their climate resiliency, and reduce energy costs. Tianna is keen on all topics related to climate change and emissions reductions efforts.



## Marine Affairs Gold Award



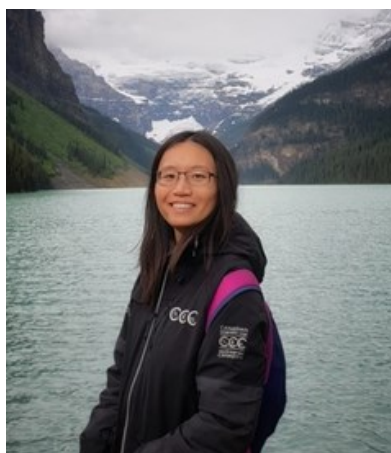
**Lisa Baxter** is the recipient of the 2020-2021 **Gold Award**. The [Gold Award](#) honours a student’s academic performance and recognizes their ability to act as an honest broker – a professional who is prepared to engage with multiple perspectives to make informed decisions in marine management. Lisa is extremely grateful for the opportunity to work in the sphere of marine management and conservation. Her graduate research evaluated single-use plastic (SUP) management in Canada and provided recommendations to strengthen Canadian SUP mitigation measures. The research Lisa conducted has been published in [Marine Pollution Bulletin](#). Lisa reflects that her journey through the

Master of Marine Management program “has challenged me to look at problem through a more interdisciplinary lens”. In her internship, Lisa worked with the DFO Maritimes Marine Planning and Conservation team to support the management and development of several conservation initiatives within the region. Lisa continued to work part-time with DFO during the last semester of the MMM program, and has now transitioned to a full-time position. Lisa hopes that MMM will be the “beginning step in what I hope to be a long and fulfilling career in conservation”.

### Marine Affairs Millennium Prizes

The **Marine Affairs Millennium Prizes** were established to celebrate outstanding performances in each of the core courses of the MMM. Along with their academic achievements, the Awards and Prizes committee also considers student commitment to critical analysis, Strong class participation and concise communication skills.

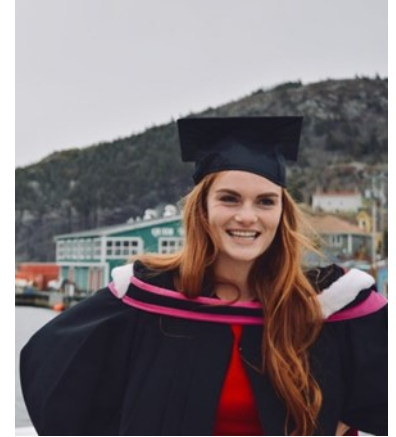
**Francheska Krysiak** was awarded the Marine Affairs Millennium Prize in **Marine Policy** for her work in *Contemporary Issues in Ocean Management and Development (Fall Term)*. Francheska returned to Dalhousie University to complete a Master of Marine Management to expand her skillset in marine conservation. Prior to the MMM program, she completed an undergraduate degree with Honours in Marine Biology from Dalhousie in 2016. Following this, she spent four years working in the field as a marine conservationist, scuba diving instructor, and underwater photographer. During the MMM, she completed numerous courses, the graduate project, and a summer internship with the Marine Planning and Conservation directorate at Fisheries and Oceans Canada. All of which allowed her to view marine issues with an interdisciplinary approach, consider different perspectives, and balance multiple objectives, as well as develop her communication and decision-making skills. Overall, the Marine Affairs program has greatly enabled her to gain ground in her career, and she now works as an Analyst on the Operations Management team of Marine Planning and Conservation at Fisheries and Oceans Canada.



**Lisa Chen** is the recipient of the **Marine Science and Technology** Millennium Prize. Having worked as a marine biologist and educator around the world, Lisa is extremely passionate about ocean conservation and education. Her passion for conservation and education has led her to complete her graduate research project on creating an ocean literacy framework to guide future ocean education initiatives and create an ocean literate community. Throughout her MMM degree, Lisa has taken advantage of various opportunities to better understand how technology can be used to tackle ocean issues. She is a member of the SURGE residency program, a part of the first women's cohort of the Lab2Market, Impactify, Invention2Innovation, Path2Innovation, and Scientist2Entrepreneur programs at Dal Innovates. Lisa is "excited to combine technology with the interdisciplinary skills developed through the MMM program to tackle ocean issues, particularly marine litter issues. Lisa says, "Receiving the Millennium Prize for Marine Science and Technology recognizes my efforts in achieving academic excellence while exploring how technology can be used to solve marine issues. Further, it also serves as validation to my efforts to integrate science with technological developments to raise ocean literacy and help solve the marine debris issue."



**Kaitlyn Curran** was awarded the **Marine Management** Millennium Prize for her outstanding student performance in the MMM core course, *Coastal Zone Management*. The dynamic nature of coastal zone management strongly resonated with Kaitlyn's experiences working within the health care sector. Kaitlyn views both health and marine management issues through a holistic lens, as she has learned that it is essential to consider all factors when addressing complex issues- which proved useful in the Coastal Zone Management course. While Kaitlyn found working in health care to be very rewarding, she could not deny her lifelong desire to work on addressing climate change and protecting the ocean. During the research of her graduate project, Kaitlyn applied the knowledge she had gained from the various MMM courses she took, along with her background in healthcare, to develop an approach for integrating human health objectives within marine spatial planning. She states that it is not only important to understand how participating in activities within coastal spaces are perceived to benefit our health, but to investigate the barriers to accessing such spaces. Preserving and protecting these coastal areas of "salutogenic (health promoting) importance" will be key to ensuring our continued and improved access to this public health resource. Kaitlyn is currently searching for her next professional opportunity while still working as a critical care Registered Nurse. She hopes to continue this work of investigating the integration of human health objectives within ocean governance.



### Interdisciplinary of the Year



The Millennium Prize for **Interdisciplinary of the Year** recognizes a student's ability to engage with a broad array of knowledge and skills within the program.

**Leah Fulton** gained a strong interest in landscape-level planning, connectivity, and conservation GIS during her undergraduate degree in urban design and planning. Seeking to apply her skills beyond the shoreline, Leah gravitated towards the interdisciplinary nature of the MMM program. By gaining exposure to various topics occurring in and around marine environments, her graduate project reflects the skills and knowledge needed to tackle the issue of abandoned, lost, and

discarded fishing gear. In her two internships with Coastal Action and Nova Scotia Provincial Parks, Leah linked the organizations together to identify ways to repurpose end-of-life fishing gear in provincial parks. Leah says that "having an interdisciplinary approach to problem-solving allows you to understand an issue from various perspectives and considers activities, conflicts, and viewpoints that may not be as prevalent when managing marine environments". Since completing the MMM program, Leah has been working on various projects through contract work with organizations such as Coastal Action, Dalhousie University, Ocean Frontier Institute, Parks Canada, and Ontario Parks.



The Sustainable Ocean conference marked the beginning of the UN Decade for Ocean Science, and the decade of the conference, by rebranding the conference from Sustainable Oceans Conference to **Sustainable Ocean Conference**. This rebranding aligns with the [Canadian Ocean Literacy Strategy](#) (released in 2021) that emphasizes one global ocean. The annual conference, supported by the [Sobey Fund for Oceans](#), took place online on September 23, 24 and 25, 2021.

The theme for the 10th anniversary conference was **Seeing Beyond The Shoreline**, the topic chosen to encourage the fostering of connections across all sectors to combat global ocean issues. The conference incorporated a variety of perspectives including those from industry, local and Indigenous communities, youth, academia, and government. The collaborative efforts and voices of all contributors provided a better understanding of progress towards ocean protection. Despite being separated by the COVID-19 pandemic, we all remain connected through our work, research, and common interest, just as the ocean connects us all.

Although an unconventional year for everyone, the 2020-2021 MMM class came together from across the country—and internationally—to put together the conference under the guidance of conference co-chairs: Lisa Chen and David Marrack. In unprecedented times, communicating entirely virtually, the 2021 Sustainable Ocean Conference became a reality! They were excited for the ocean community to experience cutting edge research and discussions that show how marine conservation extends beyond what is visible from the shoreline.

The conference featured two keynote speakers: Dr. Deborah McGregor, Associate Professor and Canada Research Chair in Indigenous Environmental Justice at York University and . Dr. Andrea Reid, Principle Investigator with the Institute for the Ocean and Fisheries, Center for Indigenous Fisheries at the University of British Columbia. Dr McGregor discussed Indigenous knowledge systems and water perspectives. Dr. Reid's presentation was on Indigenous fisheries management, community-based approaches and Two-Eyed Seeing frameworks.



A panelist discussion was held with Bill Collins (Chairman of Cascadia Seaweed), Dorene Bernard (Mi'kmaq Grassroots Grandmother), Natalie Ban (Associate Professor, Environmental Studies, University of Victoria) and Jesslene Jawanda (Arctic Fisheries Researcher) —moderated by MMM Alum Elissama Menezes. The panel explored the topic of strategies for marine and coastal adaptation. This topic is of particular importance given recent urgency towards acknowledging the impacts of rising global temperatures and how this continues to create immense pressure on coastal communities and marine environments.

Oral and poster presentations by students focused on a wide variety of research issues, including climate change and anthropogenic impacts, fisheries management, species and habitat protection, public perceptions of marine conservation topics, technology trends, governance and livelihood, and knowledge and representation.

The Sustainable Ocean Conference is the only student-led conference of its kind in Atlantic Canada and provides a venue for students to showcase their research related to sustainable ocean practices. The MMM students in the Marine Affairs Program are responsible for planning and organizing the event in its entirety, providing them with valuable career skills such as project management, budgeting, communication, fundraising, and building partnerships. Collaboratively, they decide all aspect of the conference, from the theme, dates, venue, speakers, and schedule. They also organize and carry out fundraising, marketing, and outreach for the event.

When asked about the biggest challenges in organizing this event, co-chair Lisa Chen mentioned technological issues, explaining that “there are always unforeseen circumstances such as connection issues and power outages”. Despite this, the organizing team was able to work on the fly and adapt to overcome issues during the event. “Overall, we learned a lot about hosting virtual conferences” she said, including the value of having contingency plans, and being flexible.

When asked what surprised her about the event, Lisa said “Personally, I was surprised that a ‘small’ student-led conference was able to reach 27 countries, which showed the bright side of the pandemic, which is bringing people closer together virtually”. Overall, the Conference drew a crowd of 198 participants, from many countries including Bangladesh, Mozambique, Honduras, Singapore, South Africa, and the Dominican Republic.

The class of 2021 had the unique challenge of organizing their conference completely online, while living in different provinces and time zones across Canada. Though the 2020 Sustainable Ocean Conference was also virtual, this was the first year the students completed their entire Master's degrees online as well.

Overall, “Seeing Beyond the Shoreline” was a great success. The event created connections between people across sectors and emphasized the strong, shared connection people have with the ocean. Congratulations to the MMM class of 2021 for organizing this successful event!

You are welcome to browse the [SO 2021 Conference Program](#) to learn more about the conference.

**MAP Matters** is published periodically by the Marine Affairs Program, Faculty of Science, Dalhousie University.

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*Dalhousie University is located in Mi'kma'ki, the ancestral and unceded territory of the Mi'kmaq. We are all treaty people.*



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