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Welcome to the MMM Class of 2012-13



The 2013 Douglas M. Johnston MASC Scholarship was awarded to Alexandra Vance by Lucia Fanning, MAP Director.

In late August, the Marine Affairs Program welcomed the MMM class of 2012-2013 to Dalhousie University. The 14 full time and 2 new part-time students are from Colombia, Panama, Libya, and Canada (BC, NS and ON) and join the 6 continuing part-time students.

MAP expanded the orientation this year with the students attending the Making Waves graduate project presentations. The next few days were spent with MAP faculty, exploring the MMM program and getting to know their classmates.

The annual Welcoming Reception was held on Sept. 7th. At the reception, it was announced that Alexandra (Alex) Vance was the recipient of the Douglas M. Johnston – Maritime Awards Society of Canada (MASC) in Marine Affairs scholarship. Alex holds a BSc in Biology (minor in Environmental Studies) from Dalhousie University. She plans to focus her MMM studies on ecosystem based management.

The final event of the MMM orientation was a field trip to the Joggins Fossil Cliffs, a UNESCO World Heritage Site (jogginsfossilcliffs.net). Hosted by Jenna Boon, Director of the Joggins Fossil Institute and MMM part-time student, the students spent the day exploring the fossil cliffs and touring the fossil centre.



MAP News

Congratulations to Ting-Yu (Tina) Lin



Best wishes to Tina Lin, who graduated at the May convocation ceremony. Her graduate project was titled *Incorporating concerns of coastal communities in planning and management: the case study of Port Joli and lessons learned from the*

Eastport Marine Protected Areas. The full article can be found at dalspace.library.dal.ca/handle/10222/15534.

Mike Reid wins 2012 Gold Award



Congratulations to Mike Reid, 2012 recipient of the Gold Award. The Gold Award is named in honour of Dr. Edgar Gold, CM, QC, one of the founders of the Dalhousie Ocean Studies Programme. An annual financial award is presented to the most deserving MMM graduate at the end of each academic year. The candidate is identified within the

annual peer group of MMM graduates according to academic performance and overall ability to reflect the ideal graduate as the “honest broker” – i.e. one who is mindful of the complementary and competing multi- and inter-disciplinary interests that influence the design, implementation, and outcome of the management process in marine affairs. The Gold Award recipient is the student who best exemplifies MAP’s objectives or providing its graduates with the knowledge, skills and attitudes necessary to be a leader in the field of marine affairs.

Fisheries Management Field Trip

The MARA 5021 Fisheries Management class traveled to Clark’s Harbour on November 25 to observe the preparations of the lobster fishermen before Dumping Day, the first day of the lobster fishing season on Nova Scotia’s south shore.

After a brief tour of Scotia Halibut’s aquaculture facility in Clark’s Harbour, where students observed spawning opera-



Photo Credit C. Milley

tions, the group was joined by NS Fisheries Minister Sterling Belliveau for lunch. Minister Belliveau accompanied the students to Lower West Pubnico where Fisherman Kevin Amireau provided a wind chilled tour of preparations for the 2012 LFA 34 lobster season. The Minister and Mr Amireau commended the students on their interest in Nova Scotia fisheries and the insightful questions from the class.

Elizabeth De Santo awarded SSHRC Grant

MAP Assistant Professor Elizabeth De Santo was awarded a SSHRC (Social Sciences and Humanities Research Council) Partnership Development Grant with Bertrum MacDonald (professor, SIM), Peter Wells (adjunct professor, MAP) and Kevin Quigley (professor, SPA), within the Environmental Information: Use and Influence (EIUI) research program in the Faculty of Management. The grant is titled “Investigating and enhancing the policy relevance of marine scientific information (especially grey literature) through multi-partner collaboration.” It is being carried out in partnership with Fisheries and Oceans Canada (DFO), Environment Canada, the Nova Scotia Department of Fisheries and Aquaculture, the UN Food and Agriculture Organization, the Northwest Atlantic Fisheries Organization, the Bay of Fundy Ecosystem Partnership, the Canadian Parks and Wilderness Society, and WWF Canada.

CLCS Commission Appointment

MAP adjunct research associate Galo Carrera Hurtado has been appointed as Chairperson of the Commission on the Limits of the Continental Shelf (CLCS). He took part in a panel discussion on World Oceans Day, 8 June 2012 in the margins of the Meeting of States Parties (MSP) on the topic entitled “UNCLOS at Thirty” The President of the International Tribunal for the Law of the Sea and the Secretary-General of the International Seabed Authority were also speakers on the panel. He has also been invited to contribute to a publication on the Third United Nations Conference on the Law of the Sea.

Alumni News

DFO Awards Ceremony

Two MMM alumni were recognized at the 2012 Maritimes Region Department of Fisheries and Oceans Awards Ceremony, held on Tuesday, September 18 at the Bedford Institute of Oceanography. Tana Worcester, MMM 1996 (Science), received a Distinction Award, and Stefan Leslie, MMM 1996 (Fisheries Management), was recognized for Science and Fisheries Management Integration.

Will Russell attends ITLOS Summer Academy in Hamburg

This past summer, MMM alumnus Will Russell attended the International Foundation for the Law of the Sea 6th Summer Academy, following in the footsteps of Daniela Diz (MMM 2005), who attended the first Academy in 2007. The Academy was held in Hamburg, Germany from July 21st to August 17th at the seat of the International Tribunal for the Law of the Sea (ITLOS). This year's focus was "Uses and Protection of the Sea — Legal, Economic and Natural Science Perspectives." With the largest class to date, the Academy welcomed 36 participants representing 31 nationalities.



Closing Ceremony of the 6th ITLOS Summer Academy, Hamburg, Germany.

The first two weeks at the Academy concentrated on the Law of Sea, in particular the evolution and application of the 1982 United Nations Convention of the Law of the Sea (UNCLOS). Highlights included presentations by Dr. Shunji Yanai, current President of ITLOS, a 'Marine Environmental

Law Making Workshop' hosted by Professor Peter Ehlers, and a full day maritime boundary delimitation exercise organized by the British Hydrographic Office.

At the halfway point of the program, the focus of the lectures shifted to maritime law issues, specifically the legal and financial aspects of the global shipping industry. Lecturers included Professor John Hare from the University of Cape Town and Måns Jacobsson, the Director and Chief Executive Officer of the International Oil Pollution Compensation Funds from 1985 to 2006. The schedule of lectures was interspersed with several field trips, including a visit to the Blohm & Voss shipyard, and the shipping firm of Leonhardt & Blumberg. So as not to neglect German sights and culture, the Academy organized tours of Hamburg, the historic city of Lübeck, and a weekend visit to Berlin.

The final days of the Academy were dominated by a moot court competition. Four teams represented states grappling with a maritime boundary dispute following changes in coastal geography caused by rising sea levels. Arguments were held in the main courtroom of the Tribunal before a panel of judges, including current ITLOS judge and former vice-president Helmut Türk.

The closing ceremony at the beautiful Hamburg Rathaus (City Hall) marked the end of the 6th ITLOS Summer Academy. The four week program was an unparalleled opportunity to discuss contemporary marine issues with leading lawyers and academics from across the globe. For further information regarding next year's program, contact Jo Konig at info@iflos.org.

Katie Wagner interns at IUCN

In May 2012, Katie Wagner (MMM, 2011) moved to Washington, DC for a Marine Research Fellowship at the US office of the International Union for Conservation of Nature (IUCN). Working within the Global Marine and Polar Programme, Katie assisted with projects ranging from IUCN's Blue Carbon Policy initiative to various polar conservation projects. Katie's internship with IUCN was originally set for three months, but it was extended so that she could continue to assist with conservation projects and gain experience working within the marine science-policy interface of Washington, DC.

In September, IUCN sent Katie to the World Conservation Congress in Jeju, South Korea. The Congress is the world's largest conservation event. Held every four years, it aims to improve the management of the natural environment for human, social and economic development. Katie was one of 370 international IUCN Secretariat staff who worked to support the functions of the Congress. She formed part of the Media Handling Team, where she organized and managed press

conferences and facilitated media outreach initiatives. Nearly 7,500 individuals from the public sector, non-governmental organizations, business, UN agencies, and social organizations participated in the Congress.



Katie Wagner and Anete Berzina, from IUCN's headquarters in Switzerland, working in the Media Lounge at the 2012 World Conservation Congress in Jeju, South Korea.

Upon returning from the Congress, Katie helped organize an international workshop, entitled "Measures to Protect Ecological and Biological Significant Areas (EBSAs) from the Possible Negative Effects of Shipping in the Bering Strait Region". The workshop was held in Washington, DC in late October, and 35 individuals representing various marine sectors in the U.S., Canada, and Russia, came together to discuss ways to implement conservation and management measures to address the expected increase of shipping activity in the Bering Strait. Katie is currently assisting with the production of the workshop report.

Katie's position with IUCN is concluding at the end of 2012. She has accepted a position as a Communications Associate with the U.S. Environmental Protection Agency in Washington, DC where she will assist with media and outreach initiatives for various environmental projects. She is thrilled about this new career opportunity and looking forward to continuing her professional path in Washington, DC.

"I am very grateful to have had the opportunity to work at IUCN. This position has allowed me to contribute to international marine conservation initiatives, strengthened my understanding of the marine policy sector, and has significantly advanced my professional development."

Milestone Reached by Sandy Island / Oyster Bed, Marine Protected Area, Carriacou

The first Marine Protected Area Manager has been appointed in Carriacou, Grenada. The Sandy Island / Oyster Bed Marine Protected Area Stakeholders' Management Board, the Fisheries Division of the Ministry of Agriculture, Forestry and Fisheries and the Ministry of Carriacou and Petite Martinique Affairs are pleased to welcome onboard Olando Harvey (MMM 2009) as the first manager of the Sandy Island / Oyster Bed Marine Protected Area.



Olando brings with him a wealth of knowledge and experience having worked with the Tobago Cays Marine Park in Union Island for the past seven years as Park Ranger and Marine Biologist. He has extensive training, having attended numerous overseas courses and workshops on Marine Protected Areas Management. Olando is a past student of the UNEP-CEP / CaM-PAM Training of Trainers Course on Marine Protected Areas Management.

Canadian environmental studies at the University of Oriente

Leticia Delgado Cobas, MMM 2000, a member of the Canadian Studies Chair at the University of Oriente, Cuba, is participating in a Faculty Enrichment Program, supported by a grant from the Canadian government.



Leticia sailing in McGrath's Cove, NS

The grant enabled her to travel to Canada to conduct interviews and collect material to help her develop tools for environmental education. During the month of October, she spoke with professors at Dalhousie and Saint Mary's, who provided her with valuable resources and insight. The outcome of the Faculty Enrichment Program will be two courses on Canadian environmental studies: Current Content in Canadian Environmental History and the Canadian Ecological Footprint, to be offered at the University of Oriente.

Abilmar Salazar joins Dal Management Cuba Project

MMM alumnus Abilmar Salazar (1998) has been appointed Project Coordinator for the Dalhousie School of Public Administration project Local Economic Development and Food Security in Eastern Cuba.

The five-year project, funded by CIDA, aims to improve food availability for Cubans by supporting local economic development initiatives, centred upon building capacity for micro-enterprises, small farming industries, cooperatives and local government programs. The goal is to empower Cuba to maximize its own resources towards implementing energy-conscious, industrial food production methods, thus reducing the country's dependence on imported goods.

Four capacity working groups at Dalhousie University (at the School of Public Administration, the School of Business and the School of Resource and Environmental Studies) and the University of Moncton will partner with four Cuban institutions (the University of Las Tunas, the University of Guantánamo, the University of Oriente and the University of Granma) in four different geographic areas of Cuba to develop, implement and oversee the pilot projects.

The ultimate aim of the project is to better prepare all levels of the Cuban government to manage policies and structures which support its new economic initiatives; to increase the capacity of local governments to meet the needs of citizens; to enable universities to support ongoing local economic development; and to help small farmers and cooperatives transition to full-fledged production and distribution.

Abilmar Salazar brings extensive experience in financial administration, project management and procurement. In addition, as a Cuba Canadian, he brings his intimate knowledge of Cuba and its challenges.

Asia Maritime and Fisheries Universities Forum (AMFUF)

Colleen Turlo, MMM 2009, was invited to present her research on Socioeconomic Impact Assessments for Marine Protected Areas at the 11th annual Asia Maritime and Fisheries Universities Forum (AMFUF) international symposium this November in Shanghai, China. Colleen is currently working as a full-time instructor at Korea Maritime University in Busan, South Korea. She presented her research alongside educators, scientists and policy makers of Maritime and Fisheries institutes within Asia.

The forum was hosted by Shanghai Ocean University from November 1st - November 3rd. The focus of this year's forum was "Exchange, Collaboration and Mutual Benefit". This year, 15 member institutions representing 8 Asian countries were in attendance and the issues discussed and presented were as diverse as the countries themselves. Presentations covered a wide array of topics: marine e-navigation; minimizing vessel collision impacts; effective maritime English education and preparing captains for their first voyage; sustainable fisheries policies; and integrating shipping management strategies. Each year the AMFUF meets to present new research, and to discuss challenges and opportunities within the maritime and fisheries fields within Asia, and beyond. Next year's forum will be held in Vladivostok, Russia.



Successful PhD Thesis Defense for Jose Planas

MMM Alumnus Jose Planas (1996) successfully defended his PhD thesis on June 8, International Oceans Day. It was presented to the National Court of Scientific Grades, in the Geographical Sciences Tribunal and recommended for publication as a first reference in the field of energy-environmental coastal management, to be considered a guide for new studies and theses.

The dissertation titled “Local indicators of energy and environmental sustainability for the Integrated Coastal Zone Management in the Southeast Region of Cuba” obtained the maximum qualification score (the seven juries voted IN favour).

In the work, Planas sought to contribute to the improvement of integrated coastal zone management in Cuba, by means of public and participatory local indicators of environmental sustainability. It also examined environmental - energy restrictions on the local scale and the evaluation of natural and anthropogenic risk, facilitating the implementation of integrated administration programs for the rehabilitation, environmental conservation, decrease of coastal vulnerability and the improvement of technology and knowledge to coastal communities.

Christine Penney receives award

MMM Alumna Christine Penney, Director of Corporate Affairs at Clearwater, was one of the recipients of the annual Progress Women of Excellence Award in Communications & Public Affairs, presented by the Canadian Progress Club. The award recognizes significant contributions and accomplishments of women in Nova Scotia. Congratulations, Christine!

10th International Coastal Zone Canada Conference

The 10th International Coastal Zone Canada Conference was held this year in Rimouski, Quebec, from June 9th to 14th. Under the banner of ‘A Time for Action,’ the 200 delegates in attendance had the opportunity to hear from a range of management professionals, and to discuss emerging and ongoing coastal issues.

The Marine Affairs Program was well represented, with several alumni presenting, including 2011 alumni Jacinthe Amyot and Will Russell. Jacinthe presented her paper titled “Environmental Function Analysis: A decision support tool for integrated sandy beach planning”, while Will discussed the coastal zone project, completed in cooperation with the Province of Nova Scotia, MAP and the 2011 ICZM class.

Sean Weseloh McKeane (2001) and Justin Huston (2003), MMM alumni, presented on the Nova Scotia Coastal Strategy, sharing their experiences with the development of the upcoming strategy. Peter Wells, a MAP Adjunct Professor, was also in attendance, and presented “Advancing Effective Integrated Coastal and Ocean Management – Recognizing the Critical Role of Marine Information Sharing”, a collaborative initiative which also involved Dr. Elizabeth De Santo from the Marine Affairs Program.

The next Coastal Zone Canada Conference will be held in Halifax in 2014, where Marine Affairs students, alumni and professors will continue to be involved by sharing their knowledge and experience in coastal and ocean management.



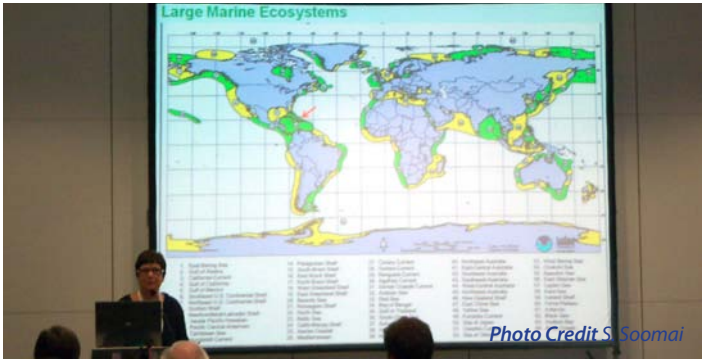
Dave Mitchell, Sean Weseloh McKeane, Justin Huston, Jacinthe Amyot and Will Russell at CZC 2012.

Publications & Conferences

Planet Under Pressure Conference

MAP was well represented at the Planet Under Pressure conference in London, UK, 26-29, March, 2012. Dr. Lucia Fanning gave a presentation on “Advancing a Learning by Doing Model for Effective Ocean Governance in the Wider Caribbean Region,” in partnership with Robin Mahon and Patrick McConney (MAP adjunct professors) of the University of the West Indies, Barbados.

Suzette Soomai, MMM alumna (2009) and ID PhD candidate in the School of Information Management at Dalhousie, presented a poster on behalf of the Environmental Informa-



Dr. Lucia Fanning giving a presentation at the Planet Under Pressure conference in London.

tion Use and Influence research initiative in the School of Information Management. The poster was titled: “Understanding the Interaction between Marine Information Production and Policy-Making Processes,” and was co-authored by Suzette Soomai, MAP Assistant Professor Elizabeth De Santo, Peter Wells (MAP adjunct professor), and Bertrum MacDonald (SIM professor).

Ocean Community Dialogue on MPAs

In December 2012 Elizabeth De Santo participated in an expert-based Ocean Community Dialogue convened by the Aspen Institute Energy & Environment program in San Francisco, CA. The aim of the meeting was to assess strategies for promoting effective spatial management tools and policies, specifically looking at Marine Protected Areas.

Books

CLME (Caribbean Large Marine Ecosystem & Adjacent Regions) Fisheries Ecosystems Governance



Authored by Robin Mahon, Lucia Fanning and Patrick McConney, this report addresses the governance aspects of updating the CLME (Caribbean Large Marine Ecosystem & Adjacent Regions) Project. It provides an overview of the governance issues identified in earlier reports, and reviews applicable advances in ocean governance thinking globally

and regionally. It also considers how the original governance perspective can be incorporated into the new orientation towards a fishery ecosystem-based approach to provide the most comprehensive and up-to-date approach to governance for the CLME Project. Robin Mahon and Patrick McConney are both MAP Adjunct Professors.

Articles

Capistrano, R.C., Charles, A.T. (2012) Indigenous rights and coastal fisheries: A framework of livelihoods, rights and equity. *Ocean & Coastal Management* 69 (2012) 200-209.

De Santo, E.M. (2012) Implications of the 10th Conference of Parties to the Convention on Biological Diversity for coastal management and marine protected areas. *Ocean Yearbook* 26: 249-263.

De Santo, E.M. (2012) From paper parks to private conservation: the role of NGOs in adjusting marine protected area strategies to climate change. *Journal of International Wildlife Law and Policy* 15: 25-40.

Davis, B., Worm, B. The International Plan of Action for Sharks: How does national implementation measure up? *Marine Policy* (2012), <http://dx.doi.org/10.1016/j.marpol.2012.06.007>

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Mahon, R., L. Fanning and P. McConney. 2012. Governance Assessment Methodology for CLME Pilots and Case Studies. Report prepared for the CLME Project by the Centre for Resource Management and Environmental Studies (CERMES), University of the West Indies, Cave Hill Campus, Barbados. CERMES Technical Report No. 53, 19pp.

McConney, P., L. Fanning, R. Mahon and B. Simmons. 2012. Survey of the regional science-policy interface for ocean governance in the Wider Caribbean Region. Report prepared for the CLME Project by the Centre for Resource Management and Environmental Studies (CERMES), University of the West Indies, Cave Hill Campus, Barbados. CERMES Technical Report No. 51, 46pp.

Poh, T.M. and L.M. Fanning (2012). Tackling illegal, unregulated, and unreported trade towards Humphead wrasse (*Cheilinus undulatus*) recovery in Sabah, Malaysia. *Marine Policy* 36: 696–702

Schnurr, M. A., **De Santo, E.** and Craig, R. (2012) Using a Blended Learning Approach to Simulate the Negotiation of a Multilateral Environmental Agreement. *International Studies Perspectives* 2012: 1-12.

Tabet, L. and L.M. Fanning (2012). Integrated coastal zone management under authoritarian rule: An evaluation framework of coastal governance in Egypt. *Ocean & Coastal Management* 61: 1-9.

Dalhousie Marine Piracy Project (DMPP) Publications

The Dalhousie Marine Piracy Project, hosted at the Marine Affairs Program, has produced the following documents. They can be found at marineaffairsprogram.dal.ca/MAP_Projects/PIRACY_Project.

Intersectoral Working Group Workshop Report

ACUNS Workshop Report

Whitman, S. & Saurez, C. (2012). Dalhousie Marine Piracy Project: The Root Causes and True Costs of Marine Piracy. (Marine Affairs Program Technical Report #1)

Fanning, L., Williamson H., & Douglas, S. (2012). Dalhousie Marine Piracy Project: Legal, Institutional and Governance Arrangements for Apprehending and Prosecuting Marine Pirates. (Marine Affairs Program Technical Report #2)

Sloan, M. & **Griffiths, D.** (2012). Dalhousie Marine Piracy Project: Operational Responses for the Discouragement and Suppression of Marine Piracy. (Marine Affairs Program Technical Report #3)

Fanning, L., Sloan, M., Whitman, S., Williamson, H., & Douglas, S. (2012). Dalhousie Marine Piracy Project: Exploring an Integrated Approach to the Suppression and Prevention of Marine Piracy. (Marine Affairs Program Technical Report #4)

Whitman, S., **Williamson, H., Sloan M., & Fanning, L.** (2012). Dalhousie Marine Piracy Project: Children and Youth in Marine Piracy - Causes, Consequences and the Way Forward. (Marine Affairs Program Technical Report #5)

Reuchlin, J. W. (2012). Dalhousie Marine Piracy Project: The Economic Impacts of Piracy on the Commercial Shipping Industry - A Regional Perspective. (Marine Affairs Program Technical Report #6)

Hodgson, J.R.F. (2012). Dalhousie Marine Piracy Project: The Role of the International Maritime Organization In Combating Piracy. (Marine Affairs Program Technical Report #7)

MacPhee, J. (2012). Dalhousie Marine Piracy Project: Beating the Banks - Hawala's Place in the Global Financial Environment and its Potential Links to Piracy. (Marine Affairs Program Technical Report #8)

Season's Greetings from the Marine Affairs Program

MAP Matters is the newsletter of the Marine Affairs Program, Faculty of Management, Dalhousie University. Feel free to distribute to your colleagues worldwide.

We welcome your input and contributions. Send news items along with photos of your current activities to marineaffairs@dal.ca.



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