

MAP Matters

The Newsletter of the Marine Affairs Program, Dalhousie University

MAP Welcome to the Class of 2010-2011



The MMM class of 2011 joined MAP in September to begin an exciting year of exploring marine management issues. The class is made up of 13 new full time students and one new part-time student with four continuing part-time students. Members of the class are from the US (Florida and Maine), The Netherlands, Taiwan and Canada (BC, ON, QC and NS). The students are from a wide range of backgrounds including geography, marine biology, history, chemistry, interdisciplinary studies, economics, wildlife biology, planning, and languages.

The group was warmly received at the annual welcoming recep-

tion on September 7th. At the reception, it was announced that Katherine (Katie) Hastings was the recipient of the Douglas M. Johnston - Maritime Awards Scholarship of Canada (MASC) in Marine Affairs. Katie holds a BSc in Geography from the University of Winnipeg and MSc in Oceanography from Dalhousie. She intends to focus her MMM studies on ecosystem based management.

Congratulations to Brendal Davis from Florida. Brendal received scholarships from the Marine Technology Society and SEAID Inc. Her passion is sharks and the conservation of this complex species.



Katie Hastings with Lucia Fanning, MAP Director

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25th Anniversary of MAP

Plans are underway to celebrate 25 years of marine management education, research and service to the global coastal and oceans community. We plan to recognize the significant achievements of all who have been involved from the beginning: faculty, staff, students and alumni.

We are looking for your MAP memories: pictures, poems, prose, videos, yearbooks, etc. Please arrange to send to Becky Field at MAP as soon as possible.

MMM Class of 2009-2010



MMM graduates were joined by family and friends to celebrate the completion of their degree. Left to Right above are: Elizabeth De Santo, MAP Assistant Professor, Joseph Collins, Erin Mutrie, Julie Whalen, Mairi Edgar and Lucia Fanning, MAP Director

Congratulations and best wishes go to the MMM Class of 2010. Two significant events marked the completion of their MMM degree experience. The first was the 4th Annual Making Waves: Graduate Project Presentations on August 24, 2010. The second was the Convocation ceremony that took place on October 17th. Abstracts of the graduate projects can be found on the MAP website at: http://marineaffairsprogram.dal.ca/Publications/Graduate_Projects/



Members of the MMM class of 2009-2010 at the Making Waves event (l to r): Julie Whalen, Joseph Collins, Erin Mutrie, Tun Min Poh, Sarita Williams Peter, Jessica McCluney, Mairi Edgar and Dan Pujdak.



MAP prizes were presented at the end of the Making Waves event. The awarding of the prizes was established in 2009 to recognize MMM student achievement. The recipients were (l to r):

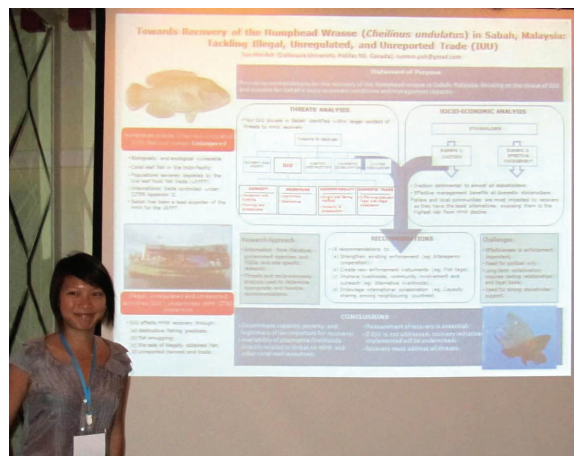
- Tun Min Poh MAP Director's Prize (presented by Lucia Fanning)
- Joseph Collins Contemporary Issues Prize (presented by Richard Apostle)
- Erin Mutrie, Marine Science and Technology Prize (presented by Robert Fournier)

MMM Gold Award

Congratulations to Tun Min Poh, MMM Gold Award recipient for the 2009-2010 class. The MMM Gold Award is named in honour of Edgar Gold, CM, QC, one of the founders of the Dalhousie Oceans Studies Program. The annual financial award is presented to the MMM student identified within the annual peer group according to academic performance and overall ability to reflect the ideal graduate as the "honest broker" (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).

Min attended the World Small-Scale Fisheries Congress in Bangkok in October where she presented her graduate project research as an e-poster (picture right) titled "Towards recovery of the Humphead wrasse (*Cheilinus undulatus*) in Sabah, Malaysia: tackling illegal, unregulated and unreported (IUU) trade".



International Youth Internship Program (IYIP)

The second group of IYIP interns attended pre-departure orientation sessions in Halifax at the end of November in preparation for their departure to the internship host organizations in mid-January. Veronica Baker will join IOCARBE, the regional sub-commission of the Intergovernmental Oceanographic Commission (IOC) of UNESCO in Cartagena, Colombia as the Integrated Coastal Areas Management Assistant. Lauren Donnelly will act as the Capacity Building Assistant at the IOCARIBE office in Kingston Jamaica. Elaine Ferrier and Lara Puetz will join the Caribbean Regional Fishery Mechanism (CRFM) in Saint Vincent

to work with scientists on the review of national statistical programs of coastal and large pelagic fisheries of the CRFM member states. Valerie Francella and Jonathan Underwood will travel to Union and Carricou Islands to work as Marine Protected Area Management Plan Assistants. Erin Mutrie, MMM 2010 will join CRFM in Belize to work as the Pelagic Fishery Research Assistant.

The next issue of MAP Matters will include reports from the group of interns that are just completing their internship experience (see MAP Matters June 2010).



IYIP interns bound for the Caribbean in January: front row (l to r): Lauren Donnelly, Elaine Ferrier, Valerie Francella, Lara Puetz and Veronica Baker; back row (l to r): Jonathan Underwood and Erin

Coastal Zone Canada Conference, PEI



The Coastal Zone Canada 2010 Conference and Youth Forum: Healthy Oceans—Strong Coastal Communities was held in Charlottetown, PEI on July 25-29, 2010 (www.gov.pe.ca/czc2010/). Many MMM alumni, students, faculty and friends attended, presented and enjoyed the Island hospitality. Presentations were made by: Alexi Baccardax, Chris Burbidge, Tony Charles, Elizabeth De Santo, Aimee Gromack, Orlando Harvey, Larry Hildebrand, Justin Huston, Patrick McConney, Suzette Soomai, Sean Weseloh McKeane, Julie Whalen, Sarita Williams-Peter, and Lisette Wilson.



PROGOVNET scholars, Suzette Soomai and Orlando Harvey (below) participated in the conference with an oral presentation by Orlando (*Community-led Integrated Coastal Zone Management: a Case Study from Malpeque Bay, PEI*) and a poster presentation by Suzette (*From Science to Policy Making: Investigating the Use and Influence of Marine Environmental Grey Literature*).



MAP Alumni News



• Congratulations to Myles Thompson (MMM 2007) and Jessica Bruce who were married on August 1, 2010 at Hatfield Farm, NS. Myles, Jessica and their son Euan reside in Charlotte-town where Myles is continuing his work with Public Works and Government Service Commission .



• Best Wishes to Raul Hernandez (MMM 2006) and Juliana Gaubert who exchanged their wedding vows on July 10, 2010 in Taunton, UK. Raul is pursuing a legal career in London, UK.

• Congratulations to Jay Batongbacal, MMM 1997, for successfully defending his PhD thesis on August 13, 2011 at Dalhousie University. The title of the thesis is *Developing an Ecological Social Justice Framework for Ocean Energy technologies: Case Studies from The Philippines*. The full thesis can be accessed at

<http://dalspace.library.dal.ca//handle/10222/13011>

• Krishna Desai, MMM 2000 and recipient of the first Gold Award, has been called to the bar in Jamaica and is currently employed as a litigator for Myers, Fletcher & Gordon in Kingston. He is a member of the council governing the Jamaica Institute of Environmental Professionals, an associate of the Institute of Environmental Monitoring and Assessment in the UK, and he also assists Seacology, a California based charity, to identify conservation projects that are in need of funding in Jamaica. Krishna spent eight years with the Natural Resources Conservation Authority and the National Environment and Planning Agency where he advised on coastal zone management issues, monitored natural resources, and regulated physical development in Ja-

maica. He has also worked for the Royal Borough of Kensington & Chelsea in London providing advice on climate change and carbon management issues. He has experience working as an independent environmental consultant in Jamaica and the Eastern Caribbean providing regulatory advice, and writing management plans and environmental impact statements in connection with resort and marina developments.

Besides his MMM degree from Dalhousie, Krishna holds a BSc with a double major in Botany and Zoology from the University of the West Indies, and a LLB degree from the University of the West Indies (Cave Hill Campus, Barbados). In 2010, he was awarded a Legal Education Certificate by the Council of Legal Education

• The First Symposium on Risks and Safety on Oil Spills and Off-shore Maritime Services took place In Cienfuegos, Cuba on November 18-19, 2010. 100 participants from 40 institutions and decision making agencies took part in the presentations and discussions. Three MMM alumni from Cuba participated in the Symposium. Rodolfo P. Ripoll-Salcines (MMM 2003) gave a presentation on the role of oil spill contingency in light of an emergent paradigm of law. Maria Elena Castellanos-Gonzalez (MMM 2000) presented a paper on the role of community participation in environmental risk management and Angel Raul Leon-Perez (MMM 1995) shared his experience with the development of the ICZM Mas-

ter degree program at the University of Cienfuegos. Current students of this program and experts connected with this Cuban capacity-building program also presented papers on important topics such as Vessel Traffic Service (VTS) and experiences of bioremediation for onshore oil spill recovery.

The ICZM Master degree program at the University of Cienfuegos that is jointly offered with two other Cuban Universities (Havana and Santiago de Cuba) was the result of the collaboration with Dalhousie University (particularly MAP) and Saint Mary's University with the financial support of the Canadian International Development Agency (CIDA).



MAP Events

Dare to be Deep

To celebrate the establishment of the Gwaii Haanas National Marine Conservation Area, the Canadian Parks and Wilderness Society (CPAWS) in partnership with Parks Canada, held events in seven cities across the county this fall. The Marine Affairs Program co-hosted the Halifax event on November 9th. As Master of Ceremonies, Jayson Baxter kept the event in pace with a variety of presentations that included a welcome by members of the Mi'kmaq community, drumming and traditional dancing from Spirit of our Ancestors (the Haida nation dancers), a performance

by singer/songwriter David Myles, presentations by Sabine Jessen, CPAWS National Oceans Manager, Kevin McNamee, Parks Canada, and Harry Thurston, author of *Tidal Life: A Natural History of the Bay of Fundy* and advocate for the Bay of Fundy. Over 150 people enjoyed the evening celebration. MMM alumni Mairi Edgar and Rodrigo Menafrá were instrumental in organizing the event.

<http://www.cpawsns.org/>



MAP Class Activities

The students of **MARA 5021 Fisheries Management** traveled to Clark's Harbour on Sunday, November 28th, the day before "dumping day", which is the first day of the lobster season in southwest Nova Scotia.

Shelly Leblanc, Manager of Scotian Hali-but provided the class with an interesting and informative tour of their operations in Clark's Harbour. Students were able to see and hear firsthand how this emerging industry can support and impact local fishery management. Afterwards, the

Nova Scotia Minister of Fisheries and Aquaculture, Hon. Sterling Belliveau, joined the students for lunch. He then accompanied them on a visit to the wharf in Lower East Pubnico where they observed the preparation of the gear and boats for the opening of the lobster season. At the wharf, Kevin Amiraault provided the students with an introduction to the developmental Hagfish fishery.



Students in the **Community-based Co-management course (MARA 5012)** had the opportunity on November 3, 2010 to hold a joint class with participants in a similar course at the Coady International Institute at St. Francis Xavier University. The twelve participants in the three week certificate program in Community-based Resource Management at the Coady

were from India, Kenya, Tanzania, Sierra Leone, Ethiopia, Cameroon, Guatemala, Saint Kitts and Nevis, Guyana, and Canadian First Nations in Nova Scotia and British Columbia. The 14 students in MARA 5012 were from a number of Canadian provinces as well as the United States, Mexico, and Taiwan. The international setting provided a unique and stimulating environment for discussing key issues in community-based resource management and co-management. Both groups had prepared for the joint class through readings and discussion on the role of gender in community-based organizations and projects. After a time for introductions, Balayneh Begna from Ethiopia gave a de-

tailed PowerPoint presentation on the struggle of women in his community for a voice in decision making and their efforts to end the practice of female genital mutilation. The remainder of the joint class was spent in small group discussion about the different challenges faced by women in Northern developed countries and Southern developing countries.

Both the Dalhousie and Coady courses on community-based management and co-management are facilitated by John Kearney, an adjunct professor in the Marine Affairs Program at Dalhousie University. He worked with two co-facilitators in the certificate program, Sherry Pictou of Bear River First Nation and Kerry Prosper of the Paq'tnkek First Nation. As stated by one of the Marine Affairs students, Katie Hastings, the session provided a unique occasion to experience so many cultures coming together in one room.

MAP Publications

Flaim, B.K., Healy, T.R., and Weir, P., 2010. Establishment of a dredged material disposal site in the exclusive economic zone: New Zealand. *Coastal Management* 38: 474-500.

Fanning, L. and Burbidge, C.D., 2010. Towards a coastal area definition for Nova Scotia. *Ocean Yearbook* 24: 239-267.

Griffiths, D., 2010. U.S.- China maritime confidence building: paradigms, precedents, and prospects. *China Maritime Study* 6:1-28.

Fanning, L. and Heimes, R., 2010. Ocean planning and the Gulf of Maine: Exploring bi-national policy options. *Ocean and Coastal Law Journal* 15(2): 293-337.

De Santo, E.M., Jones, P.J.S. and Miller, A.M.M., 2010. Fortress conservation at sea: A commentary on the Chagos marine protected area. *Marine Policy* 35: 258-260.

De Santo, E.M., 2011. Environmental justice implications of Maritime Spatial Planning in the European Union. *Marine Policy* 35: 34-38.

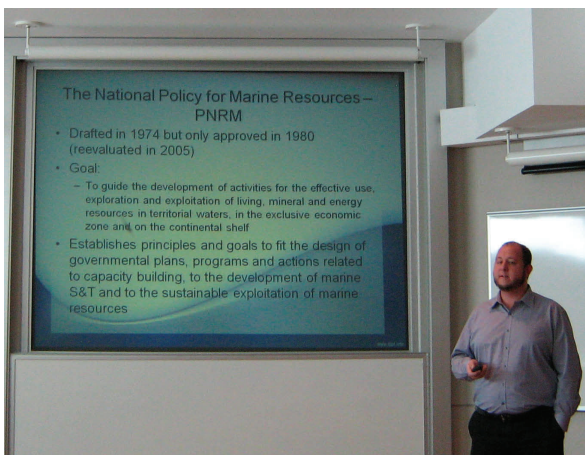
Soomai, S.S., Wells, P.G. and MacDonald, B.H., 2011. Multi-stakeholder perspective on the use and influence of "grey" scientific information in fisheries management. *Marine Policy* 35: 50-62.

Hinch, P.R. and De Santo, E.M., 2011. Factors to consider in evaluating the management and conservation effectiveness of a whale sanctuary to protect and conserve the North Atlantic right whale (*Eubalaena glacialis*). *Marine Policy* 35: 163-180.

* Have you published an article recently? Please send a copy to MAP to post on the bulletin board at MAP and to include in the next issue of MAP Matters.

MAP Seminars

The MAP Seminar Series for the fall term began with the presentation by Andrei Polejack, *Towards a Policy for Marine Science Coordination in Brazil*. Andrei, a Technical Advisor with the Brazilian Ministry of Science and Technology, completed the MAP portion of the United Nations - Nippon Foundation of Japan Fellowship at the end of September. Andrei is now in New York at the DOALOS office of the UN Headquarters for the final portion of the Fellowship.



The seminar series continued with the following presentations:

Environmental Justice Implications of Maritime Spatial Planning in the European Union – Elizabeth De Santo, Assistant Professor, Marine Affairs Program

Environmental Assessment and Management of Oil Spills in Coastal Ecosystems– Carmen Morales Caselles, PhD Consultant to the UNESCO Integrated Coastal Area Management (ICAM) Programme, Intergovernmental Oceanographic Commission (IOC)

Ecosystem-based Management of Marine Aquaculture–Jon Grant, Professor, Oceanography Department, Dalhousie University

State of the Environment Reporting for Coastal and Ocean Management – Jay Walmsley, Oceans Project Leader, Oceans, Habitat and Species at Risk Branch, Fisheries and Oceans Canada Maritimes Region

Toward Transboundary Marine Protected Areas in the Western Indian Ocean–Catarina Grilo, PhD candidate, Faculty of Sciences, University of Lisbon Visiting Graduate Student, Schulich School of Law, Dalhousie University

Season's Greetings from MAP

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 marine.affairs@dal.ca.