

## Welcome to the MMM Class of 2008- 2009

The MMM class of 2008-2009 have settled into their studies at Marine Affairs. This year's class has 12 full time students along with 5 continuing part-time students. The diverse class comes from Bahamas, Canada, China, St. Vincent and Trinidad with backgrounds in teaching, science, fisheries, law and policy, environmental management, and political science and history. The first group assignment for the MARA 5001 Contemporary Issues class was the Halifax Harbour Exercise when the students examined the complexity, diversity and interactions between coastal and inshore water uses in a harbour environment.

The PROGOVNET project (supported by the Nippon Foundation of Japan) is supporting 3 students at Dalhousie this year (MAP Matters January 2008). Suzuette Soomai, Trinidad and Orlando Harvey, St Vincent are studying in the MMM program and Alana Lancaster, Guyana, is studying in the LLM program at the Law School.



The Halifax Harbour Exercise participants on a lovely fall day  
Front: (L-R) Chelsea Garth, Alex Gagne, Fang Xu, Romero DaRocha, Jacklyn Chisholm-Lightbourne ; Back (L-R) Chris Burbidge (TA); Jessica McFee; Colleen Turlo, Suzuette Soomai; Aurelie Coasandey Godin; Orlando Harvey; Jacquelyn Rutherford, Mark O'Flaherty

## MMM 2007-2008 Graduating Class

On August 26, the second *Making Waves: MMM Graduate Project Presentations* took place with members of the 2008 MMM Class presenting the results of their graduate project research. During the one day symposium, alumni, faculty, internship hosts, academic supervisors and members of the incoming MMM class were exposed to a wide variety of current marine affairs issues. An added feature to this year's event was the remote presentation by Jennifer Reimer. The following is a list of the titles of the graduate projects. Abstracts for

the projects can be found on the MAP website.

**Aimee Gromack:** *Safeguarding "Canada's Ocean Playground": Towards federal-provincial collaboration for coastal marine protected areas in Nova Scotia*

**Chris Burbidge:** *Shelter from the storm: Protecting people and property from coastal hazards in Nova Scotia*

**Jennifer Cavanagh:** *Navigating the Endangered Species Act and Species at Risk Act: Steering Canada and the USA Toward Bilateral Protection of the North Atlantic right whale (*Eubalaena glacialis*)*



**Drummond Fraser:** *International Shipping and Area Based Ocean Management: Evaluating the Feasibility of PSSA Designation in the Canadian Arctic*

**Robert Gillis:** *Becoming a Green Port: An Assessment of Port Reception Facilities in Halifax*

**Pat Hinch:** *Tidal Energy Development: Developing a conceptual framework for the integration of environmental and socio-economic impact information for management decisions, with particular reference to the lobster fishery in the upper Bay of Fundy*

**Heather Joyce:** *The Canadian Coast Guard: A Special Operating Agency beyond the merged civilian fleets*

**Owen McHugh:** *DFO and LOMAs: Prospects for successfully Developing Offshore Petroleum*

**Jennifer Reimer:** *Implementing Marine Wildlife Areas: Lessons from the proposed Scott Islands MWA*



## Graduation News

Congratulations and best wishes to the MMM Graduating class of 2008! The graduation ceremony took place on Sunday October 19<sup>th</sup>. In the picture below, (left to right) are Drummond Fraser, Chris Burbidge, Aimee Gromack and Robert Gillis. Robert is the first graduating part-time MMM student.



## MMM Gold Award

The MMM Gold Award recipients for the 2007-2008 MMM class were recently presented with the Master of Marine Management Gold Award. Congratulations to Aimee Gromack and Chris Burbidge (below with Lucia Fanning, Director).



The MMM Gold Award is named in honour of Dr. Edgar Gold, CM, QC, one of the founders of the Dalhousie Oceans Studies Program. The annual financial award is presented to the recipients 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 interdisciplinary interests that influence the design, implementation and outcome of the management process in marine affairs).

## IYIP Interns

In the June issue of *MAP Matters*, MAP announced the award of 6 internship placements in the CIDA International Youth Internship Program. Over the summer, the interns were selected after the application review process.

The successful interns were:

- Jennifer Cavanagh (Communications Assistant, CERMES, UWI, Barbados)
- Andrew Fanning (Training and Capacity Building Assistant, IOCaribe, Colombia)
- Donald Logan (Monitoring and Reporting Assistant, CERMES, UWI, Barbados)
- Amanda Mathys (Global Ocean Observing System Assistant, IOCaribe, Colombia)

- Tara Sawatsky (Marine Protected Areas Management Plan Assistant, CERMES Sustainable Grenadines Project, St. Vincent)
- Marko Tosic (Integrated Coastal Area Management Assistant, IOCaribe, Colombia)

The interns have been with the host institutions since early September. Before departing Canada, they took part in pre-departure sessions in Halifax.



IYIP Interns (l to r): Donald Logan, Andrew Fanning, Amanda Mathys, Marko Tosic, Jennifer Cavanagh and Tara Sawatsky.

As Communication Assistant, Jennifer has been working on the Marine Resource Governance in the Eastern Caribbean (MarGov) communication strategy which includes planning a panel discussion (that will take place in February) as well as taking part in meetings with the government and local fisher folk. She is also re-packaging science articles into populist form for the local fishing Bajan community and completing research on good marine governance. She has been attending Fishery Advisory Committee (FAC) meetings.

Logan's internship at CERMES is to develop a technical report to support the Caribbean Sea Initiative of the Association of Caribbean States (ACS). The report will highlight the

monitoring and reporting requirements of the wider Caribbean region with an aim to develop a protocol that would establish the nature, frequency and format of monitoring and reporting products for use by the Caribbean Sea Commission.

Tara is working with the stakeholders of the Sandy Island Oyster Bed Marine Protected Area (SIOBMPA) on the implementation of the management plan for the MPA. She is assisting the Carriacou Environmental Committee (CEC) with the development of co-management protocols.



Tara Sawatsky at a ceremonial boat launch

Andrew's internship involves assisting in the development of a regional project proposal that addresses the impacts of coastal erosion based on priorities of institutes, decision-makers and local communities in the region. He was also involved in the planning and implementation of the IOCARIBE X Session and Tsunami Symposium in Puerto La Cruz, Venezuela, Oct. 20-25, 2008 and an IOC (UNESCO) Capacity Development bid-writing workshop in Cartagena, Colombia, Nov. 18-22, 2008.

Amanda's role at IOCARIBE is to review the strategic plan of the IOC-GOOS (Global Ocean Observing System) project. She is providing technical support by establishing a database of models that are being used in the Caribbean region and developing a website for IOCARIBE-GOOS. She is also organizing a Steering Committee meeting for IOCARIBE-GOOS to be held in Mexico early next year.

Marko has been working with his internship host to identify appropriate training methods of coastal modeling tools with the goal of improving integrated coastal area management and planning. He is compiling an inventory of oceanographic programs and projects in the region of the Americas and assisting with the inception of the most recent project added to the ICAM program, "Demonstrate Approaches for Nutrient and Sediment Reduction at Selected Pilot Study Areas in the Wider Caribbean Region".

Andrew, Amanda and Marko recently attended the 10th Session of IOCARIBE (Intergovernmental Oceanographic Sub-Commission for the Caribbean and Adjacent Regions) in Puerto La Cruz, Venezuela (see picture below). Participants at this meeting included international experts and politicians. During this meeting, they were exposed to the process of an intergovernmental meeting of IOCARIBE Member States. They and were able to participate in the sessions. They will assist in the preparation of the Session Report that will be presented to the IOC (UNESCO) General Assembly in Paris.



## Conference News

*Lucia Fanning* attended the FAO symposium "Coping with Global Change in Marine Social-Ecological Systems" held in Rome, Italy in July 2008. She presented a paper titled *Applying the LME Governance Framework in the Caribbean* with Robin Mahon and Patrick McConney.

*Tony Charles*, MAP Adjunct Professor, also attended the FAO symposium and presented the paper *Coping with global change: community perceptions of social-ecological systems and resilience* which is co-authored with Lisette Muaror-Wilson, MMM 2006 and IDPhD candidate. He also presented 2 posters titled: *Adaptive co-management for resilient marine systems* and *The Ecosystem Approach to Fisheries: managing social-ecological systems*.

Coastal Zone Canada 2008 and the Canadian Coastal Conference 2008 was held in Vancouver in May. MMM alumni from Bangladesh, Canada, Cuba and Uruguay attended the conference to present papers and posters, an convene sessions. The MMM alumni in attendance were:

- Mahbub Alam MMM 1996
- José Abelardo Planas Fajardo MMM 1996
- María E. Castellanos-González MMM 2000
- Leticia Delgado Cobas MMM 2000
- Janelle Kennedy MMM 2006
- Ibrahim Khan MMM 1997
- Rodrigo Menafrá MMM 2000
- Melanie Hurlburt MMM 2005
- Rodolfo Ripoll-Salcines MMM 2003
- Sean Weseloh McKeane MMM 2004

For more information on the conference with complete titles of the presentations, see:

<http://www.czca-azcc.org/czca08/site/e/program.html>

## Workshop News

The Marine Affairs Program hosted a one-day workshop *Towards a Coastal Area Definition for Nova Scotia* in June 2008 during which a group of 70 experts gathered at Dalhousie to discuss coastal area definitions for Nova Scotia. The purpose of the workshop was to contribute to the informed decision-making leading to an effective

definition of Nova Scotia's coastal zone.

The workshop focused on soliciting judgment on the identification of essential criteria for defining Nova Scotia's coastal zone and guidance on how the province might go about setting the landward and seaward boundaries.

The agenda, presentations and final workshop report from this workshop is available at

[http://marineaffairsprogram.dal.ca/News\\_and\\_Events/](http://marineaffairsprogram.dal.ca/News_and_Events/)

The Fourth *Eastern Scotian Shelf Integrated Management (ESSIM) Workshop* was recently held in Halifax. Over 160 participants took part in the 2 day workshop, over 20 of these being MMM alumni. For more information on the ESSIM Initiative, see:

<http://www.mar.dfo-mpo.gc.ca/oceans/e/essim/essim-intro-e.html>

*Marine Ecosystem Based Management in the Caribbean: An essential component of Principled Ocean Governance* workshop will take place on Dec 10-12 at the University of the West Indies, Cave Hill Campus Barbados. The workshop is funded by the Nippon Foundation to the PROGOVET Project. Participants from around the Caribbean will attend the workshop. The workshop proceedings will be published in 2009.

## MAP Events

### MAP Seminars

Sept. 15, 2008 - MAP and the Marine & Environment Law Institute (MELI) co hosted the seminar presented by Jay Batongbacal, MMM '97, PhD Candidate in Law and Trudeau Scholar, titled: *Local perspectives of justice and ocean energy development: Challenges for law in a globalized energy market.*

Oct 6, 2008 – Paul Fanning, Project Manager of the Lesser Antilles

Pelagic System Project of the UN FAO – *The search for whale-fisheries competition in the Lesser Antilles pelagic ecosystem.*

Oct 20, 2008 – MAP and OMRN (Ocean Management Research Network) co-hosted a seminar presented by Dr. Evelyn Pinkerton, Simon Fraser University. *The elephant in the room: The hidden costs of leasing Individual Transferable Fishing Quotas (ITQs)*

Nov 3, 2008 – Don Aldous, MMM 2006 - *Regional Tuna Management in the Western and Central Pacific.*

Nov 17, 2008 - Sherry Pictou, Co-Coordinator of the World Forum of Fisher Peoples - *Community-based Management: A First Nations Perspective*

Nov 27, 2008 - Oceans & Coastal Management Division (OCMD), Fisheries & Oceans Canada and MAP co-hosted the presentation titled: *Implementing integrated, ecosystem-based management through marine spatial planning* by Fanny Douvère and Charles Ehler Consultants with UNESCO Intergovernmental Oceanographic Commission (IOC)

## MAP News



Dipak Kamal, MMM 1999 has been studying his PhD thesis at the Asian Institute of Technology in Thailand. Under the guidance of his PhD supervisor, Dr Amaratne Yakupitiyage, Dipak will complete his thesis titled *Fisheries biology and culture potential of mud crab (Scylla olivacea) in the Sundarbans mangrove swamps of Bangladesh* in January. You can reach Dipak at [dipak\\_kamal\\_ku@yahoo.com](mailto:dipak_kamal_ku@yahoo.com).

## Recent Publications

Mahon, R., L. Fanning and P. McConney, 2009. A governance perspective on the large marine ecosystem approach. *Marine Policy* 33: 317-321.

Kennedy, J., A. J. Hanson and J. Mathias, 2008, *Ocean Governance in the Arctic: A Canadian Perspective.* In *Securing the Oceans: Essays on Ocean Governance - Global and Regional Perspectives*, eds. T.-E. Chua, G. Kullenberg, and D. Bonga. pp. 629-667. GEF/UNDP/IMO Regional Programme on Building Partnerships in Environmental Management for the Seas of East Asia (PEMSEA) and the Nippon Foundation, Quezon City, Philippines.

Yao, H., 2008. Lessons Learned from ICOM Initiatives in Canada and China. *Coastal Management* 36: 458-482.

Elvin, S.S., and C. T. Taggart, 2008. Right whales and vessels in Canadian waters. *Marine Policy* 32(3): 379-386.

Thompson, M. H. 2008. Fostering sustainable behaviours in community-based co-managed fisheries. *Marine Policy* 32(3): 413-420.

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. Please send items along with photos of your current activities to:

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Seasons Greetings