



ANNUAL **2013 / 2014** REPORT

Marine & Environmental Law Institute
Schulich School of Law, Dalhousie University

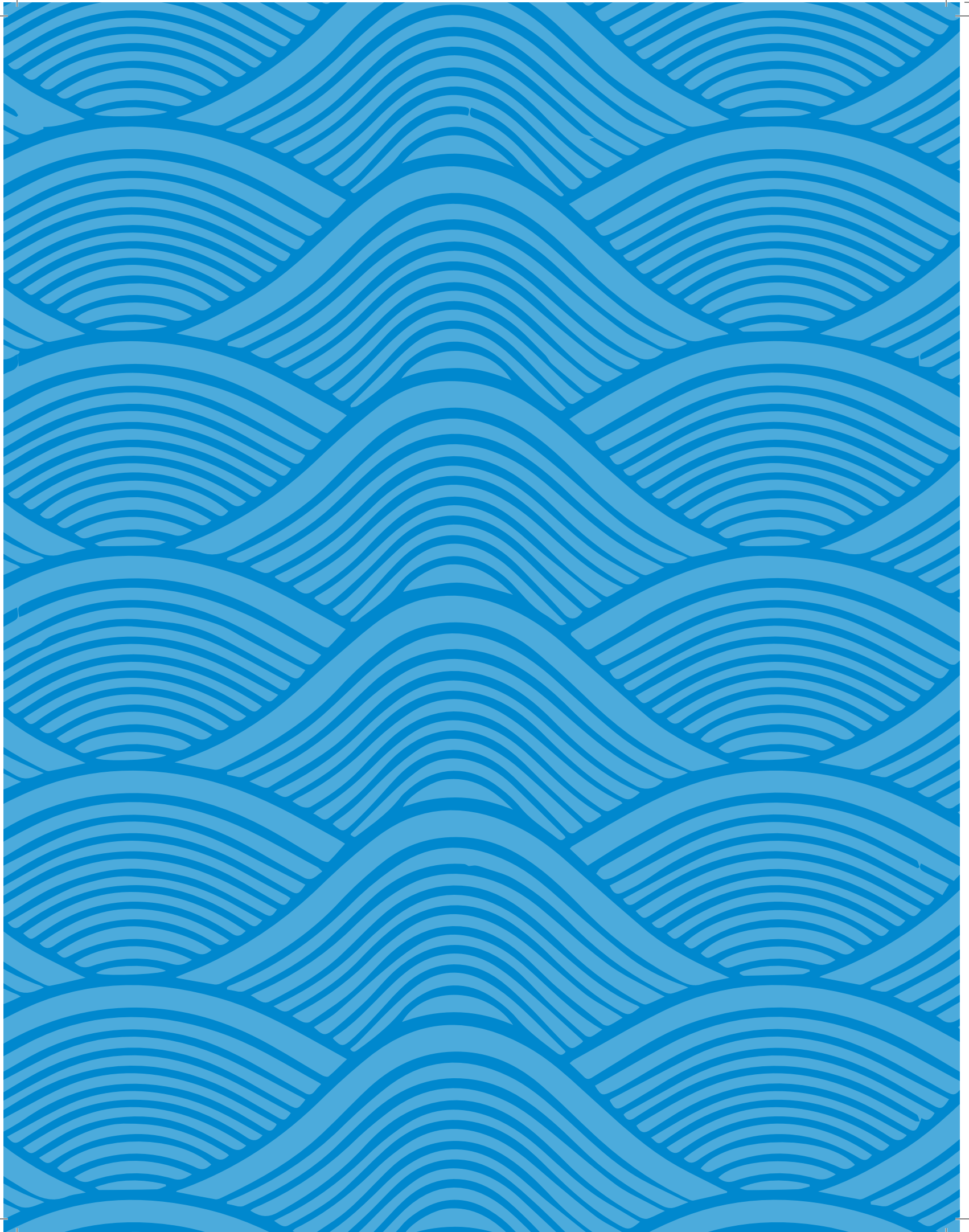




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Marine & Environmental Law Institute

The **Marine & Environmental Law Institute (MELAW)**, based at the Schulich School of Law, draws on a long history of research excellence, education, consultancy and training expertise in marine and environmental law and policy matters. The Institute was established by the Board of Governors of Dalhousie University in Spring 2004 as a centre of excellence with a focus on Canadian and international oceans and environmental governance, law and policy.

The Institute carries out scholarly research projects as well as providing independent advisory services to agencies of the United Nations, international non-governmental organizations and regional organizations. It also provides policy advice to governments, industry and non-governmental organizations in Canada and overseas.

Objectives of the Institute include:

- undertaking leading-edge research
- providing teaching and supervision for undergraduate and graduate courses in marine and environmental law
- undertaking contract research and providing policy advice to public and private bodies
- designing and implementing capacity-building activities for ocean and environmental governance in other parts of the world

In carrying out the objectives, the Institute actively seeks to cooperate with other units at Dalhousie and other partners to further advance the University's mission of excellence in ocean studies.



Director's Report

Introduction

2014 marks the 40th anniversary of the launch of the Marine & Environmental Law Program (MELP). The establishment of MELP in 1974 was inspired by the United Nations Stockholm Conference on the Human Environment, 1972 and the Third United Nations Conference on the Law of the Sea starting in 1973.

We will be celebrating our anniversary throughout the 2014–2015 academic year with special lectures, a bibliography of academic work produced by our faculty since 1974 and a virtual conference to be launched in early 2015. Much of the preparation for these events took place during the reporting period of this report.

This year has been another very productive research year for the Marine & Environmental Law Institute (MELAW). Institute activities continued to be undertaken as guided by our strategic directions established in 2010. Activities this past year addressed all four areas of focus (Arctic, Atlantic, Caribbean and Southeast Asia). The range of themes of Institute and faculty work included several areas of international law (public international law, international environmental law, climate and energy law, international maritime law, as well as international fisheries law), and comparative and national law (aquaculture, coastal, environmental, fisheries, renewable along with maritime law and policy). We were honoured with an impressive list of academic visitors, highlighted by Karen Scott's Johnston Lecture on Geo-engineering.

Key Activities and Developments

It is clear that the hard work of everyone involved in the Institute is paying dividends. Over the past 10 years, we have been able to strengthen our partnerships within the University as well as our collaborations with like-minded organizations around the world: from Europe to Asia, from

Australia to South America and from the Caribbean region to the United States. Many of the initiatives noted in this report are a testament to these partnerships, as are the many faculty visitors who continue to enrich our collective academic experience tremendously.

The hard work of members and associates of the Institute was recognized in the recent Senate Review of the Schulich School of Law. The review acknowledged the Institute as a productive research institute with a global reputation for excellence and leadership in marine and environmental law and policy. The Institute has been able to broaden and strengthen its network of researchers through the addition of a number of research associates, including Jay Batongbacal, Marie-Ann Bowden, David Dzidzornu, Sarah Kirby, William Lahey, Norman Letalik, Ted McDorman, Lisa Mitchell, Jamie Simpson, Wendell Sanford and Ronda Vanderhoek.

Student Activities

Students at the Schulich School of Law were very active in organizing events related to MELAW. The Environmental Law Students Society (ELSS) organized the annual "Meet the Profs" event with MELAW support. Local environmental lawyer and long-time MLA Howard Epstein offered the keynote address this year. Many ELSS students were actively engaged with the Law School's pro bono program and East Coast Environmental Law Association (ECELAW) initiatives throughout Nova Scotia. The Institute continues to offer numerous research opportunities for interested students, during the summer as well as during the teaching terms.

We are particularly pleased to highlight the exciting work and impressive career path of four of our alumni this year. Lisa M. Asbreuk's exciting work in the renewable energy field; Jay Batongbacal's impressive legal and academic career in the Philippines; John Donihee's long and distinguished service to

the cause of environmental law in the NWT; and Dave Wright's fascinating work with Canada's Commissioner of the Environment and Sustainable Development in Ottawa demonstrate a range of career paths, and serve as an inspiration to us as faculty and to our current students. We are proud to be associated in a small way with your success and with the invaluable contributions you are all making.

Working with the Dalhousie Oceans Community

We also work closely with our other units engaged in marine and environmental issues at Dalhousie. MELAW worked closely with the Offices of the Vice-President, Research, Vice-President, External and Associate Vice-President, Academic Programs. We continue to collaborate with the Institute for Ocean Research Enterprise (IORE), on the development of relations with universities in Germany, offshore renewable energy, oil and gas development on the slope, and aquaculture.

MELAW worked closely with several sister institutes and programs at Dalhousie. In the past year, in particular, we worked closely with the Centre for Foreign Policy Studies, the Marine Affairs Program at the Faculty of Science, the International Ocean Institute (Halifax) and (Malta), the College of Sustainability, the EU Centre of Excellence, and the School for Resource and Environmental Studies.

Final Words of Thanks

The scope and depth of activities presented in this report would not have been possible without hard work of faculty, associates, administrative staff and students. I am personally very grateful to Professors Chircop, McConnell, Saunders and VanderZwaag for their active engagement through the Institute's management committee and to Professor McConnell for serving as MELP Director and as Associate Director of the Institute. Faculty continues to be the backbone of projects. Associates provided additional support

to enable multiple initiatives to be undertaken. A warm welcome to our new research associates, and thanks to those who have been with us and have supported our work over the years.

Special words of thanks go to Ms. Lauri MacDougall, Institute Administrator, for holding the citadel of MELAW. Her administrative support was essential for many of the reported activities. Also to be mentioned is Lindsey Hunnewell for her assistance and Christel LeBlanc for her creative work in preparation of the annual report. Finally, the support and encouragement of Professor Kim Brooks, Dean of Law at Schulich and the Schulich Academic Excellence Funds which enabled several major activities to happen.

Professor Meinhard Doelle

Director, Marine & Environmental Law Institute

Marine & Environmental Law Program

The Marine & Environmental Law Program (MELP) academic specialization began 40 years ago. A decade after the establishment of the Institute in 2004, it remains an important focus of activity under the umbrella of MELAW.

The specialization provides students in the three-year Juris Doctor (JD) program of the Law School with the opportunity to graduate with a Certificate of Specialization in Marine Law or a Certificate in Environmental Law (or both) along with the JD. Although the specialization has not always been in the form of a certificate program, 167 specialization certificates have been awarded since 1995 when the certificates were introduced.

It remains a distinguishing feature of the Schulich School of Law in attracting JD, LLM and PhD students. While not every inquiry has been tracked, the MELP Director, the Administrative Assistant and other MELP faculty regularly field numerous email, phone and in-person inquiries (usually related to admission to the Law School's JD or LLM, or, increasingly, the PhD programs).

The Associate Director of the Institute also serves as the Director of MELP and focuses on activities related to the improvement of the MELP specialization as well as any revisions that need to be made to the regulations to better meet students' needs and current practice. The Director also works with the ELSS student liaison in organizing the "Meet the (MELP) Profs" event as well as other events. There is a regular updating of the MELP brochure and website to reflect changes in teaching faculty, regulations and courses. In 2013–2014, the Director worked closely with the ELSS students to develop a survey to be administered in 2014 to evaluate student interest in the various existing or possible MELP course offering.

In January 2013, Professor Moira L. McConnell was appointed to a three-year term as the Director of MELP. She will be on leave in 2014 to work with the United Nations on maritime labour law issues.

Professor Aldo Chircop will serve as Director of MELP in 2014–2015.

Last year (2012–2013) it was reported (mainly as a result of the initiatives taken by MELP students) that discussions were underway to obtain Senate approval for a dual degree to begin September 2014. If approved, the program would have allowed students to obtain a Masters of Resource and Environmental Management (MREM) through the School for Resource and Environmental Studies (SRES) in Faculty of Management and the JD in the Faculty of Law in a total of four years. In Summer 2013, a decision was taken by SRES to defer this initiative.

MELP offers two specialization certificates (students may obtain both): one in marine law and one in environmental law. A trend over the last few years is a preference by the majority of students for the Environmental Law Specialization. In the 2013–2014 academic year, eight students were awarded the Certificate in Environmental Law and one student the Certificate in Marine Law. Although 14 students in the third year of the JD program were registered for certificates, as a result of Law School class schedule conflicts or other factors (such as overseas exchanges), five of these students did not meet the course requirements for the certificate. In order to respond to the potential barriers for both the international exchange program and the specializations in Spring 2014, a change to the academic regulations was approved to permit one course taken while on an exchange to be used towards a specialization. At the end of the 2013–14 academic year, 23 first and second year students were registered for a specialization, with 17 currently planning to graduate in 2015 with a

certification. Of those: eight people are registered for the Environmental Law Specialization, six for the Marine Law specialization, and three are registered to graduate with both specializations. For the reasons mentioned above, students often are not able to take all the courses they had hoped to take by the time they graduate, and final numbers will change; however, this information provides a good indicator of student interest in these fields

and the program. Many more students in the JD program who are not in a specialization also take one or more of the MELP courses.

www.dal.ca/faculty/law/melaw/programs.html

Professor Moira L. McConnell

Associate Director, MELAW

Director, Marine & Environmental Law Program

MELP Courses 2013-2014

- Business and Environmental Law (S. Foreman)
- Coastal Zone Management (L. Fanning)
- Energy Law (J. Irving / J. MacDuff)
- Environmental Law I (M. Doelle)
- Environmental Law II – Interdisciplinary Perspectives on Climate Change (M. Doelle)
- Environmental Law Placement (L. Mitchell/P. Saunders)
- Fisheries Law (D. Henley)
- International Environmental Law (D. VanderZwaag)
- Law of the Sea (P. Saunders)
- Maritime Law & Practice (A. Chircop)
- Ocean Law and Policy (A. Chircop)
- Oil and Gas Law (M. Simms)

MELP Certificate Recipients (JD)

Environmental Law Specialization Certificate

Lauren Baldwin

Will Horne

Mathieu Poirier

Rebecca Critchley

Stephen Hurley

Jamie Simpson

Barbora Grochalova

Connor Mullin

Marine Law Specialization Certificate

Jillian Morrison

Prizes & Scholarships

Canadian Energy Law Foundation Prize

Canadian Petroleum Law Foundation Prize is awarded to the student who has demonstrated an outstanding performance in the Oil and Gas Law class. The prize amount of \$2,500 was awarded to **Rebecca Critchley**.

Donald A. Kerr Memorial Prize

The Eastern Admiralty Law Association sponsors an annual prize to be awarded to the student who has achieved high standing in the subject area of Marine Law. The winner is typically one of the top students in the Carriage of Goods by the Sea course; although, consideration will also be given to students who wrote a shipping or a maritime law paper. The prize amount of \$500 was awarded to **Peter Luttmann**.

Edward C. Foley Memorial Scholarship

The Edward C. Foley Memorial Scholarship is in the memory of the late Edward C. Foley (JD 1980) and is awarded, on recommendation of the Dean, to a second or third year student who has completed at least two classes in international, marine and environmental areas and who has achieved an overall average of more than B. Consideration is also given to the personal qualities of the candidate including leadership roles assumed at the Law School and community involvement. The scholarship prize of \$1,150 was awarded to **Rebecca Critchley**.

Edward Charles Foley Prize

The Edward Charles Foley Prize is awarded to the student who is enrolled in the MELP certificate program who has obtained a weighted average of not less than B and has demonstrated a commitment to public/community service in the environmental or related area. The prize is \$900 and was awarded to **Jamie Simpson**.

Elkanah Rafuse Prize in Admiralty Law

The Elkanah Rafuse Prize in Admiralty Law was established in memory of the late Elkanah Rafuse of Halifax to provide an annual prize to the student who achieves the highest standing in

Maritime Law and Practice (Maritime Law I). This is an endowment prize of \$400 and was awarded to **Katie Phillips**.

Elizabeth May Award for Environmental Service

Elizabeth May Award for Environmental Service is awarded annually to a student in the graduating class who has been involved in promoting environmental awareness in the Law School and in the broader community. Elizabeth May is an environmentalist, writer, activist, lawyer, Member of Parliament and graduate of Dalhousie Law School ('83). Elizabeth May has exemplified a long and inspiring commitment to environmentalism, and this award recognizes students who are also making a significant contribution to environmental issues and environmental law. **Jamie Simpson** received a \$500 cash prize and plaque.

James Spurr Environmental Law Bursary

The James Spurr Environmental Law Bursary is awarded to a student in financial need who also demonstrates an interest or academic leadership in the study of environmental law. The bursary of \$500 was awarded to **Brittney Martin**.

Milton and Carole Ehrlich Prize

The Milton and Carole Ehrlich Prize is in memory of the late Richard Weiner who was actively involved with the United Nations. **Anthony Rosborough** received the cash prize of \$300 in recognition of receiving the highest standing in Law of the Sea subjects.

Ocean Yearbook Student Prize

The Ocean Yearbook Student Prize is an annual competition open to students writing research papers on marine affairs subjects at any university or other tertiary education institution. This year's winner is **Peter Luttmann** for his paper entitled "Ice-Covered Areas under the Law of the Sea Convention: How extensive are Canada's coastal state powers in the Arctic?" that will be published in the *Ocean Yearbook* Volume 29.

Profiling MELP Alumni

Lisa M. Asbreuk

2006 LLB Graduate



I practiced at McCarthy Tetrault LLP as a business lawyer in the Energy Law Group in the Toronto and Calgary offices from 2007 through 2010, and I am called in Ontario and in Alberta. During that time, I worked on major energy transactions

across Canada and on significant energy law and policy development in Ontario, which led to modernized long-term supply and demand planning; the enactment of the *Green Energy and Green Economy Act, 2009*; and the ongoing procurement of renewable generation, conservation, demand management and storage technologies in Ontario. At that time, I worked in Calgary on project development, project financing, and M&A with respect to major wind farms in Alberta which are operating

today. In 2010, I worked as in-house legal counsel for ENMAX Corporation in Calgary, a vertically integrated power generation, transmission, distribution and retail corporation with progressive programs and investments in micro-generation, district heating and new storage technologies. I returned to Ontario in 2010 to more fully participate in the renewables investments taking place. I am currently a corporate/commercial lawyer, specializing in energy law, at Cunningham Swan LLP in Kingston Ontario, and I advise SMEs on the front lines of renewable energy project development and financing and related legal issues. I am a Director at SWITCH (SE Ontario's Alternative Energy Cluster) and of Canadians for Clean Prosperity, a national NFP corporation advocating for revenue-neutral economic policies that fairly implement the polluter pay principal across sectors of the economy.

Jay Batongbacal

2010 JSD Graduate



I am a lawyer from the Philippines and I hold degrees of Master of Marine Management and Doctor in Jurisprudential Science from Dalhousie University. Since 1997, I have been doing diverse work in maritime affairs, including community based fisheries

management, coastal resource management, marine environment protection, maritime

boundaries, high seas fishing, offshore energy, seafaring and shipping. I was a legal advisor to the Philippine delegation that successfully pursued the Philippines' claim to a continental shelf beyond 200 nautical miles in the Benham Rise Region before the Commission on the Limits of the Continental Shelf. Currently, I'm serving as an Assistant Professor at the University of the Philippines College of Law, and concurrently Director of the Institute for Maritime Affairs and Law of the Sea of the U.P. Law Center.

John Donihee 1988 LLB Graduate



I am currently Counsel with Willms & Shier Environmental Lawyers LLP. After law school, I returned to the Northwest Territories where I practiced environmental, aboriginal and administrative law for a number of years. Called to the bar in NWT (1989), Alberta (1989) and Nunavut (1999), I have specialized in environmental, aboriginal and natural resources law North of 60° for over

15 years. I was a Research Associate at the Canadian Institute of Resources Law and Adjunct Professor of Environmental Design at University of Calgary between 1997–2003 and completed an LLM on aboriginal and wildlife rights issues in 2002. Since returning to private practice in 2003, I have assisted governments, aboriginal clients and regulatory tribunals in making sustainable resource development decisions in Canada’s northern territories. In 2014, I received an NWT Premier’s award for collaborative law for work done on behalf of aboriginal clients in developing new NWT wildlife and species at risk legislation.

Dave Wright 2007 JD Graduate



After articling and a short-but-rewarding stint with Stewart McKelvey in Halifax, I headed to Iqaluit in 2008, first practicing in the areas of natural resources and environmental law with the Government of Nunavut’s Department of Justice and then working on climate change and energy policy. From there, I shed as many latitudes as possible, spending time advising on carbon emissions regulation at the state government in Melbourne, Australia and implementing “Low-

Emissions Climate-Resilient Development” with the United Nations in the Maldives. These experiences now inform my work for Canada’s Commissioner of the Environment and Sustainable Development in Ottawa, where I have been for three years. Though discouraging at times, the “bird’s eye view” of Canadian environmental law and policy afforded by my current role is fascinating. Some of my specific files have included climate change, offshore oil and gas and implementation of aspects of the 2012 *Jobs, Growth and Long-term Prosperity Act* that significantly changed the environmental law landscape in Canada.

MELP Graduate Students

Cecilia Engler (PhD) began her PhD program in September 2012 and her supervisor is David VanderZwaag, Readers are John Grant and Moira McConnell

Celestine Ezennia (LLM) arrived in September 2013 from Nigeria and his supervisor is Robert Currie, Reader Phillip Saunders and Examiner Moira McConnell. He will graduate in October 2014.

Johanan Lafeuille-Doughlin (LLM) arrived in 2009 and her supervisor is David VanderZwaag. Following time away from the program she is returning to complete her thesis.

Don McCrimmon (PhD) began his PhD program in January 2011 and he is supervised by Meinhard Doelle. The committee members are David VanderZwaag and Phillip Saunders.

Darin Reeves (LLM) began his LLM program in September 2011 and his supervisor is Phillip Saunders, Reader Robert Currie and Examiner David VanderZwaag. He will graduate in October 2014.

Catherine Sykes (PhD) began her PhD program in September 2011 and her supervisor is David VanderZwaag. The committee members are Gilbert Winham, Vaughan Black and Hugh Kindred.

Lu Ying (PhD), who is from China, began her PhD program in September 2011 and her supervisor is David VanderZwaag. The committee members are Phillip Saunders and Hanling Wang.

MELP Graduate Students' Achievements

PhD Thesis Defence, July 12, 2013

Vu Hai Dang

Dang graduated from the PhD program in October 2013. Dang was awarded the Dalhousie University Doctoral Thesis Award in the Humanities and Social Sciences for 2014. His thesis is entitled: "Towards a Network of Marine Protected Areas in the South China Sea: Legal and Political Perspectives".

The once pristine and rich marine environment of the South China Sea is degrading at an alarming rate due to the rapid socioeconomic development of the region. Hai Dang Vu's doctoral thesis suggests legal and political measures to support the development of a network of marine protected areas in the South China Sea.

Such a network, if properly developed, would not only help to protect the marine environment



David Freestone, *External Examiner*, Hai Dang Vu, David VanderZwaag, *Supervisor*, Moira McConnell and Aldo Chircop, *Committee Members*.

and resources of the region, but also contribute to lower the tension among its coastal States. The successfully defended thesis is expected to be published in the book series *Legal Aspects of Sustainable Development* (General Editor David Freestone, Martinus Nijhoff).

PhD Thesis Defence, December 6, 2013

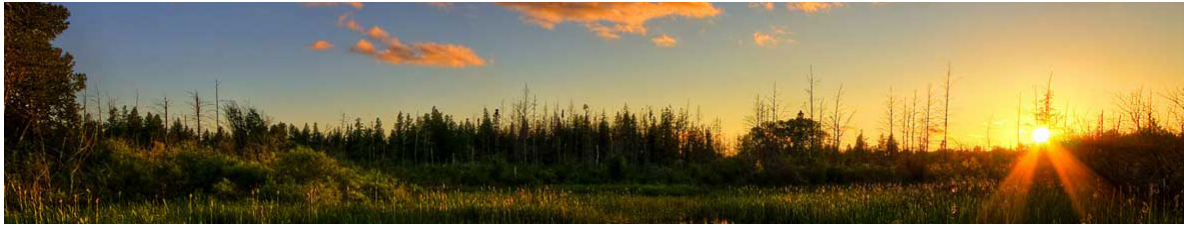
Tony Puthucherril



Tony graduated from the PhD program in May 2014. His PhD thesis is presently being published by Martinus Nijhoff. Entitled *Towards Sustainable Coastal Development: Institutionalizing Integrated Coastal Zone Management*

and *Coastal Climate Change Adaptation in South Asia*, this book finds its place as Volume 20 in the *Legal Aspects of Sustainable Development Series*. This is, in fact, his second book in this series; his LLM thesis was published earlier as: *From Shipbreaking to Sustainable Ship Recycling: Evolution of a Legal Regime* (Volume 5, LASD, Martinus Nijhoff, 2010).

Environmental Law Students Society



The Environmental Law Students Society (ELSS) is a student-run society that focuses on environmental issues as they relate to the law. We are a very active society within the Law School and the greater university, and we pride ourselves on our engagement with the Halifax community in general. Our involvement takes shape by way of guest lectures, community contribution, environmental law oriented occasions, as well as social events and outings, which are all organized and executed by the ELSS team.

The ELSS thrives on strong student participation. We hold bi-weekly general meetings for our society, at which participation is encouraged and supported. We strive to provide students with ample opportunities to get engaged with environmental law by organizing exciting and informative events throughout the year.

In the 2013–2014 academic year, the ELSS partnered with the World Wildlife Foundation (“WWF”) to host David Miller, the current president and CEO of WWF, and former mayor of Toronto. Mr. Miller gave an inspiring presentation on possibilities for sustainable cities. The ELSS also hosted a second event with the WWF last year, which consisted of a panel of members from various backgrounds to discuss the future of sustainability in the Maritimes.

Alternative Careers Night is another event the ELSS puts on every year to help expose Schulich students to a broader variety of career paths possible after graduation. Last year, local MP Megan Leslie led the discussion with her engaging perspective on the potential to use law as a platform for community engagement and social change. She was joined by Professor

Peter Tyedmers from the School for Resource and Environmental Studies, and Natalie Clifford, who has embarked upon her own law practice in Halifax. Together, this panel provided enlightening perspectives on the possibilities for alternative legal careers.

We also hold an annual “Meet the Profs” event for students interested in learning more about the Marine & Environmental Law Program here at Schulich. At this event last year, former planning law professor Howard Epstein gave a fantastic talk about his career path and involvement in environmental law, and students were given the chance to meet and mingle with the professors involved in the program.

A priority of the ELSS is to maintain a strong level of engagement with the community. We have an executive member who acts as a student liaison with East Coast Environmental Law Association (ECELAW) and facilitates volunteer opportunities for students with the organization. This upcoming academic year, members of the ELSS have coordinated with the Ecology Action Centre and the WWF to provide pro bono volunteer opportunities for students seeking to gain exposure to the practice of environmental law in an NGO context.

Being a member of the ELSS is a great opportunity to meet other students who share an interest in environmental law and become engaged with the university and the community on such issues. We host a variety of social events throughout the year, including brewery tours and potlucks, and love to hear of new ideas for projects and events.

We look forward to the recurring and new events for the 2014–2015 academic year and hope to see you there!

East Coast Environmental Law Association



We're pleased to report on another year of productive partnership between East Coast Environmental Law (ECELAW) and MELAW. Since 2007, collaboration between ECELAW and MELAW has provided students at the Schulich School of Law with practical opportunities to apply their knowledge of environmental law, and to connect with community organizations and their environmental interests. These students also help ECELAW to:

- provide legal information, advice and support to community and environmental groups
- research the need for environmental law reform and promote progressive change
- provide the next generation of young environmental lawyers in training with opportunities to work on environmental law challenges

Students make valuable and vital contributions to ECELAW's overall capacity to deliver environmental law services and research environmental law issues. ECELAW is thankful for the work completed by the following Environmental Law Placement students from the Schulich School of Law over the past year:

- Georgia Lloyd-Smith: Environmental Rights (Georgia was also a student board member of ECELAW)
- Will Horne: Municipal Cosmetic Pesticide By-law on PEI
- Steven Evans: Mainland Moose and NS's *Endangered Species Act*

The following students researched and wrote ECELAW's *Failure to Enforce?* report, addressing enforcement of Nova Scotia's Environment Act and government transparency: Tristan Willis, Georgia Lloyd-Smith, Christine Conrad, Wes Hartman, Jeff Terrell, and Emily Dawn (check out the report on our website). ECELAW also benefited from the good work of the following students on our Endangered Species Report: Mick Levin, Christine Conrad, Jamie Simpson, Tristan Willis, and Shane Belbin. ECELAW also participated in the Pro Bono program; Blair McIlwain worked with ECELAW chair Jessie Irving on a review of environmental law in a variety of jurisdictions, and Benjamin Ojoleck, Nathan Ryan and Mario Garcia worked with ECELAW board member Lauren Kautz on an offshore oil and gas moratorium project. We'd also like to recognize Tristan Willis for his service as an ECELAW board member, and for participating in an interview on our *Failure to Enforce?* report on CBC radio.

ECELAW also appreciates the contributions of MELAW professors, such as Professor Meinhard Doelle, who served as Chair of ECELAW's board of directors from 2007-2013, and Professor Moira McConnell, who joined the board in March 2013.

Connect with ECELAW:

Visit us at www.ecelaw.ca, follow our tweets [@ecelaw](https://twitter.com/ecelaw), and email us at jsimpson@ecelaw.ca.



Research Projects & Publications

Research Projects

Canadian Maritime Law Networking and Collaboration

April 2013 – June 2015



Project leaders: Aldo Chircop with Edgar Gold, Hugh Kindred, A. William Moreira, and JD student assistants Kyle Ereaux and Sian Laing.

Dr. Chircop received a SSHRC Connection grant to pull together a team of over 20 Canadian maritime legal practitioners and scholars to produce a second edition of E. Gold, A. Chircop & Hugh Kindred, *Maritime Law* (Toronto: Irwin Law, 2003). The second edition is being co-edited by the project leaders. Contributors include several MELAW faculty and associates (in addition to the co-editors, Mark Covan, David Henley, Sarah Kirby, Norman Letalik, Moira McConnell and Wylie Spicer) some of the most active Canadian law firms in the field. MELP students Kyle Ereaux and Sian Laing have been assisting Dr. Chircop. The project has also been supported by the Schulich Academic Excellence Fund and the Canadian Maritime Law Association.

Carbon Management Canada

January 2011 – June 2014



Project leader: Meinhard Doelle with student researchers Rebecca Critchley, Barbora Grochalova, Kira Misiewicz, Jamie Simpson, Steven Evans, Ryan Wake, Ben Ojoleck, and Kathryn Piche.

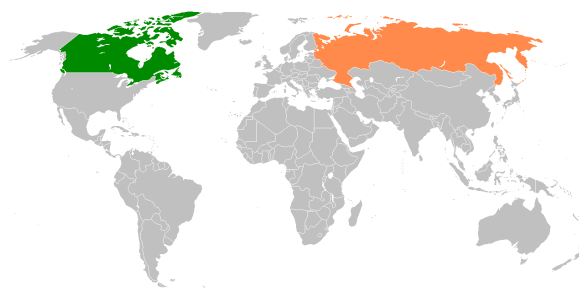
This project is a partnership between Carbon Management Canada Inc., the University of Calgary, Dalhousie University and the University of British Columbia. It aims to contribute to the development of an international and domestic legal and regulatory framework for carbon management and especially new technologies that contribute to carbon management. It will analyze how new carbon management measures can be integrated with national and international emission management tools, and look at the relationship between carbon management measures and international trade and investment law.

Current projects under Carbon Management Canada include:

- Climate adaptation
- Forests & greenhouse gas emissions
- Technology governance
- Loss & damage

Comparing Canadian & Russian Approaches/Challenges in Arctic Ocean Governance

March 2008 – March 2015

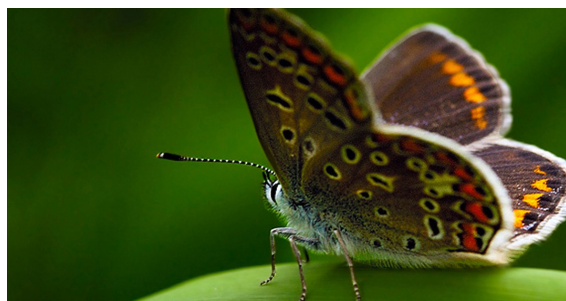


Project leader: David VanderZwaag with Aldo Chircop, Moira McConnell, Phillip Saunders, Robert Huebert, David Scott, Susan Rolston, Cecilia Engler, and student researcher Jonathan Edge.

With a new Arctic development era looming on the horizon due to less ice, easier human access and huge northern resource potentials including some 25% of the world's remaining hydrocarbons, this project has two main objectives: to further public and political understanding of Canadian and Russian approaches/challenges in Arctic ocean governance and to encourage strengthening in future bilateral and regional cooperation in the Arctic. Comparative articles on shipping and fisheries management on the Arctic were key outputs in 2014 with publication in volume 28 of the *Ocean Yearbook*.

Environmental Assessment Process

April 2011 – March 2015



Project leader: Meinhard Dolle with student researcher Rebecca Critchley.

The project is a collaboration between Meinhard Doelle, Bob Gibson at the University of Waterloo and John Sinclair at the University of Manitoba. The research will address two competing trends in the evolution of environmental assessment (EA) law, policy and application, focusing on Canada, though the results should be illuminating for jurisdictions with similar characteristics.

The two trends are:

- (i) the advancing ambition of EA theory, expectations and state-of-the-art practice in providing a powerful tool for the transition to sustainability, and
- (ii) increasing pressures to make the process more efficient.

Current initiatives include research on Nova Scotia EA reform, use of SEA for wind development in NS, and improving cumulative effects assessments in EA.

Legislating Integrated Coastal Zone Management

April 2009 – July 2014



Project leader: Aldo Chircop with David Dzidzornu, JSD candidates Tony George Puthucherril and Hai Dang Vu; LLM student Diane Rowe; and student researchers Ryan O'Leary, Alex Gorlewski and Sonja Mills.

The objective of this SSHRCC-funded research project is to identify international trends and mainstream practices in national legislation concerning integrated coastal zone management (ICZM) and develop options for ICZM model legislative strategies. It is expected to contribute to a better understanding of the role, opportunities and constraints of this type of legislation in the multidisciplinary scholarly community engaged in this field. In identifying “good practice” and potential alternative strategies for ICZM legislation, this project will be of particular interest and utility to drafters of national and sub-national legislation in countries with active ICZM activities, international donor institutions and other intergovernmental and non-governmental organizations promoting ocean governance, legislative modernization and legal capacity-building.

Local Integrated Coastal Zone Management in Southeast Cuba

April 2010 – March 2015



Professor Chircop being interviewed in Guama, Santiago de Cuba, on the progress of the project.

Project leader: Aldo Chircop with Lucia Fanning, Ronald Pelot and Pat Rodee.

The goal of this project is to support the implementation of local integrated coastal zone management (ICZM) in the coastal zone of Southeast Cuba. To strengthen efforts of the Universidad de Oriente (UO) and Universidad de Guantánamo (UG); to build the capacities of the municipalities of Guamá (Santiago de Cuba) and San Antonio de Sur (Guantánamo); to undertake local ICZM in order to achieve national development, environment and higher education policy objectives. The project emphasis is on particular development needs of local coastal/rural communities with a view of improving their quality of life. The project is now in its final stage and is in the process of producing a book containing essays on ICZM in Cuba in Spanish, edited by Dr. Silvia Patricia González Díaz of the University of Havana. It will be the first book on ICZM in Cuba to be published.

Marine Environmental Observation Prediction and Response (MEOPAR)

October 2012 – March 2017



Project leader: David VanderZwaag, with Cecilia Engler, and student researchers Emily Adams, Aaron Lemkow, Sarah Sweet, Kristen Vandenberg, Sarah McDonald, Wesley Hartman, and Blair McIlwain.



This project involves collaboration between David VanderZwaag and a team of natural science researchers led by Professor Katja Fennel, from Dalhousie's Department of Oceanography. How scientific advances in understanding marine ecosystem changes, such as ocean acidification, relate to existing national and international law and policy frameworks is a central research theme.

The extent to which climate change related impacts are being considered in Canada's marine species at risk listing and recovery planning processes has been a priority topic for the summers of 2013 and 2014.

Offshore Renewable Energy Governance

July 2013 – June 2015



Project leader: Meinhard Doelle, with Aldo Chircop, Phillip Saunders, David VanderZwaag and Moira McConnell.

The offshore renewable energy project will involve collaboration among Canadian and European academics interested in governance issues in the offshore renewable energy context. Jurisdictions in the EU and Canada have begun to experiment with governance approaches, largely based on experience in other sectors. Examples include Scotland's and Canada's efforts on tidal energy, and Portugal's work on wave energy. The work will build on a growing literature on these efforts.

The project involves workshops in the first two years to bring together researchers from the EU and Canada on these issues. In year three, we will be working toward a symposium on offshore renewable energy in Halifax, and a publication of papers presented at the symposium in the *Ocean Yearbook*.

Polar Oceans Governance in an Era of Environmental Change

December 2011 – December 2013



Project leaders: David VanderZwaag and Tim Stephens (University of Sydney).

This project, the latest phase of the Australia Canada Oceans Research Network (ACORN), involved leading researchers from Australia and Canada in comparing ocean governance approaches and in challenges in the Arctic and Antarctic. The Canadian High Commission in Canberra supported an initial workshop in December 2011 at the Sydney Centre for International Law at the Faculty of Law, University of Sydney. The resultant book publication, *Polar Ocean Governance in an Era of Environmental Change* (co-edited by D. VanderZwaag and T. Stephens) included chapters by Meinhard Doelle and Ted McDorman (MELAW Associate) and was published by Edward Elgar (2014).

Regulatory Framework for Aquaculture

May 2013 – September 2014



Project leaders: Meinhard Doelle and William Lahey, with student researchers Kira Misiewicz and Ted Murphy.

The Ministry of Fisheries and Aquaculture has set up an independent panel to develop new regulations for the aqua-culture industry through consultations with Nova Scotians. The work is led by Meinhard Doelle and William Lahey, supported by a committee representing stakeholders and community interests including the Mi'kmaq, the aquaculture industry, conservationists, environmentalists, fishermen and the municipalities.

The first phase of a multi-phased process of public and stakeholder consultation began in the summer of 2013. The panel released its draft report in June, with the final report to follow in the fall of 2014.

Tracking & Envisioning the Future of Arctic Ocean Governance

March 2011 – March 2015



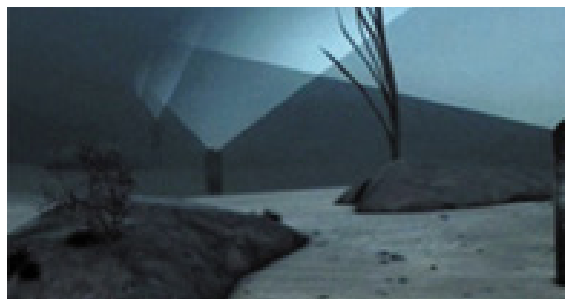
Project leader: David VanderZwaag with student researchers Kristen Vandenberg and Emily Mason.

Funded by SSHRC, this project is tracing the fast-changing governance seascape within the Arctic Council and is developing recommendations on future directions in Arctic Ocean governance with a special emphasis on management of marine areas beyond national jurisdiction.

A first project publication authored by David VanderZwaag “The Arctic Council at 15 Years: Edging Forward in a Sea of Challenges” may be found in the *German Yearbook of International Law*, vol. 54, 281-314 (2011).

Tracking and Protecting Marine Species at Risk: An Interdisciplinary and International Partnership

March 2010 – February 2016



Project leader: David VanderZwaag with Phillip Saunders, Richard Apostle and Tsafir Gazit, with research assistants Cecilia Engler, Shane Belbin, and Katie Sykes.

Through the partnership with the Ocean Tracking Network (OTN), a collaborative joint venture funded by the Canadian Foundation for Innovation, NSERC and SSHRC, this research project is focused on filling a major vacuum in Canadian and international research relating to the ethical, social, economic, scientific and legal dimensions involved in protecting threatened marine species.

This partnership proposal has four sub-objectives:

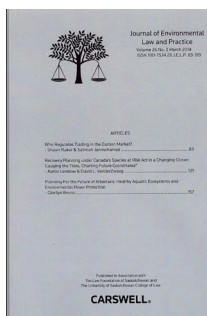
- to build interdisciplinary networking among Canadian social science and natural science researchers interested in ensuring the future survivability and sustainability of marine species at risk off the Pacific, Arctic and Atlantic coasts;
- to compare how different countries and regions around the globe are faring in tracking and protecting marine species at risk;
- to explore options for strengthening global cooperation in conserving marine biodiversity;
- to investigate how the extensive and innovative scientific information generated by OTN is understood and used by stakeholder groups and decision-makers. A special double issue of the *Journal of International Wildlife Law and Policy* (vol. 16 (2–3 and (4))) included nine papers from the project under the theme “Tracking and Protecting Marine Species at Risk: Scientific Advances, Sea of Governance Challenges”.

Leading Periodicals in Marine & Environmental Law

Journal of Environmental Law & Practice

Carswell, 2014

Edited by Meinhard Doelle, Sharon Mascher and Martin Olszynski



Throughout its 23 year history, *JELP* has served as the premier refereed legal periodical in Canadian environmental law and policy.

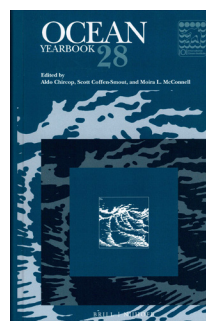
Initially housed at the Environmental Law Centre (ELC) in Edmonton, Alberta, the first issue of the *Journal*

of Environmental Law and Practice (JELP) was published in 1991. In 2003, editorial responsibilities were transferred to the University of Saskatchewan, College of Law. In 2014, editorial responsibilities were assumed jointly by the Schulich School of Law and the University of Calgary.

Ocean Yearbook 28

Leiden: Martinus Nijhoff, 2014

Edited by Aldo Chircop, Scott Coffen-Smout and Moira L. McConnell



Devoted to assessing the state of ocean and coastal governance, knowledge, and management, the *Ocean Yearbook* provides information in one convenient resource.

As in previous editions, articles provide multidisciplinary expert

perspectives on contemporary issues. Each new volume draws on policy studies, international relations, international and comparative law, management, marine sciences, economics, and social sciences. Each volume contains key legal and policy instruments and an annually updated global directory of ocean-related organizations.

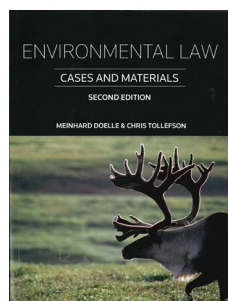
The Yearbook is a collaborative initiative of the International Ocean Institute (www.ioinst.org) in Malta and the Marine & Environmental Law Institute (www.dal.ca/law/MELAW) at the Schulich School of Law, Dalhousie University, Halifax, Canada.

Institute Books

Environmental Law: Cases and Materials (Second Edition)

Carswell, 2013

Meinhard Doelle and Chris Tollefson



In this new edition of Canada's leading environmental law text, Professors Doelle and Tollefson provide a fully updated and much expanded treatise that will be welcomed by students, practitioners and environmental professionals

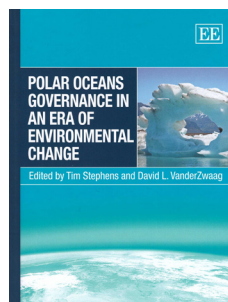
alike. It includes a comprehensive collection of cases, articles, commentary, notes and questions and covers a broad range of topics.

This second edition includes significant new material and analysis on a variety of important topics including the constitutional division of powers, the *Smith v. Inco* litigation, recent Fisheries Act and Canadian Environmental Assessment Act reforms, emerging Species At Risk Act caselaw, and developments in climate change and carbon law.

Polar Oceans Governance in an Era of Environmental Change

Edward Elgar Publishing, 2014

David VanderZwaag and Tim Stephens



This book provides a cutting-edge assessment of how the dynamic ocean regions at the highest latitudes on Earth are being managed in an era of unprecedented environmental change.

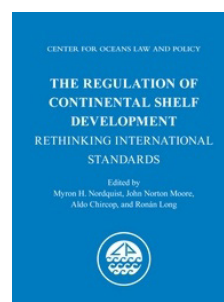
The Arctic and Southern Oceans are experiencing transformative environmental change as a result of climate change and ocean acidification. As

areas of unparalleled environmental, cultural and scientific value, they are crucibles for testing how integrated, eco-systemic governance frameworks can be developed to meet and address volatile environmental, political and economic challenges. Drawing especially on Australian and Canadian experiences in polar oceans management through multilateral global and regional institutions, the book identifies policy options for improving the governance of the Arctic and Southern Oceans. This volume, including chapters by MELAW faculty and associates, Meinhard Doelle, Ted McDorman and David VanderZwaag is the third book publication to be produced under the Australian-Canadian Oceans Research Network (ACORN).

The Regulation of Continental Shelf Development

Brill, 2013

Edited by Myron H. Nordquist, University of Virginia School of Law, John Norton Moore, University of Virginia School of Law, Aldo Chircop, Schulich School of Law, Dalhousie University and Ronán Long, National University of Ireland, Galway.



The lack of international conventional law governing the operational aspects of continental shelf activity may be characterized as unfinished business of the UN Convention on the Law of the Sea. The Convention, adopted in 1982, generally

addressed the issue, but did not consider more detailed development of the legal regime for the continental shelf. In *The Regulation of Continental Shelf Development: Rethinking International Standards*, leading experts from around the world identify and explore a multitude of unresolved legal concerns related to the continental shelf.

Faculty Publications

Aldo Chircop

A. Chircop, M. McConnell & Scott Coffen-Smout, eds., *Ocean Yearbook*, vol. 28 (Leiden: Nijhoff, 2014).

A. Chircop, I. Bunik, M. McConnell & K. Svendsen, "Course Convergence? Comparative Perspectives on the Governance of Navigation and Shipping in Canadian and Russian Arctic Waters" (2014) 28 *Ocean Yb.* 291. (R)

A. Chircop, "Equity on the Extended Continental Shelf? How an Obscure Provision in UNCLOS Provides New Challenges for Ocean Governance," in *Sustainable Oceans: Reconciling Economic Use and Protection* (Lübeck, Germany: Dräger Stiftung, 2014) 36; online: Dräger Stiftung <http://www.draeger-stiftung.de/fileadmin/user_upload/konferenzen_2013/oceans_report_2013.pdf>

A. Chircop, "Regulatory Challenges for International Arctic Navigation and Shipping in an Evolving Governance Environment" (2014) 28 *Ocean Yb.* 269. (R)

M.H. Nordquist, J.N. Moore, A. Chircop & R. Long, eds., *The Regulation of Continental Shelf Development: Rethinking International Standards* (Leiden: Martinus Nijhoff, 2013).

A. Chircop, Book Reviews of: *Shipping Law* 5th ed., by S. Baughen, *International Trade Law* 4th ed., by I. Carr & P. Stone, *International Trade Law Statutes and Conventions 2011–2013* by I. Carr & M. (2013) 25 *Int. J. of Maritime History* 383.

A. Chircop, "Regional Cooperation in Marine Environmental Protection in the South China Sea: A Reflection on New Directions for Marine Conservation," in N. A. Hu & T.L. McDorman, eds., *Maritime Issues in the South China Sea: Troubled Waters or a Sea of Opportunity?* (London: Routledge, 2013) 87; published also in D. R. Rothwell, ed., *Law of the Sea* (Cheltenham, UK: Edward Elgar, 2013). [This article was re-published as per above at the request of the book editors. The original article was published in 2010 in *Ocean Development and International Law*.] (R)

Meinhard Doelle

Meinhard Doelle, The Lower Churchill Panel Review: Sustainability Assessments under Legislative Constraints" in Gibson ed., *Sustainability Assessments* (Earthscan, 2014) forthcoming.

Meinhard Doelle, "Arctic Climate Governance: Can the Canary in the Coal Mine lift Canada's Head out of the Sand(s)?" in Timothy Stephens and David VanderZwaag, eds., *Polar Oceans Governance in An Era of Environmental Change* (Edward Elgar Publishing, 2014).

Meinhard Doelle, Canadian EA Chapter in Daniel R. Mandelker, et al, *NEPA Law and Litigation*, (Thomson Reuters: Danvers, MA, 2014) forthcoming.

Meinhard Doelle, "The Birth of the Warsaw Loss & Damage Mechanism: Planting a Seed to Grow Ambition?" (*Carbon & Climate Law Review*, 2014) forthcoming. (R)

Meinhard Doelle, "Geoengineering and Dispute Settlement Under UNCLOS and the UNFCCC: Stormy Seas Ahead?" in Randall S. Abate, ed., *Climate Change Impacts on Ocean and Coastal Law: U.S. and International Perspectives* (Oxford: Oxford University Press, 2014) forthcoming.

Meinhard Doelle (co-author), "The Role of the UNFCCC Regime in Ensuring Effective Adaptation in Developing Countries: Lessons from Bangladesh" (*Climate Law*, 2014) forthcoming. (R)

Meinhard Doelle with A John Sinclair, "Environmental Assessment In Canada: Encouraging Decisions For Sustainability" in B. Mitchell, ed., *Resource and Environmental Management in Canada 5th ed.*, (Oxford: Oxford University Press, 2014) forthcoming.

Book Review of: "International Law in the Era of Climate Change" Rosemary Rayfuse, Shirley Scott (2013) forthcoming.

Meinhard Doelle (co-author) "Invasive Seaweed: Law and Policy Responses" (2013) *Botanica Marina* forthcoming. (R)

Meinhard Doelle with Chris Tollefson, *Environmental Law: Cases and Materials 2nd ed.*, (Toronto: Thomson/Carswell, 2013).

Meinhard Doelle with John Terry, "International Framework", in D. Mahony ed., *Climate Change Law in Canada* (Aurora: Canada Law Book, 2013) (updated).

Meinhard Doelle, Book Review of: "Climate Change and the Oceans: Gauging the Legal and Policy Currents in the Asia Pacific and Beyond" by Robin Warner, Clive Schofield (2013 *Ocean Yearbook*).

Moira McConnell

Aldo Chircop, Ivan Bunik, Moira L McConnell, Kristoffer Svendsen, "Course Convergence? Comparative Perspectives on the Governance of Navigation and Shipping in Canadian and Russian Arctic Waters" in *Ocean Yearbook*, eds., Chircop, Coffen-Smout, McConnell, Vol 28 (Leiden/Boston: Brill/Martinus Nijhoff, 2014, 291–327).

Moira McConnell (as one of the Associate Editors) *Yearbook of International Environmental Law* Vol. 23 (2012 edited in 2013 and published in 2014) (Oxford: Oxford University Press).

Moira McConnell (expert contributor to a UN publication), *Maritime Labour Convention, 2006 Frequently Asked Questions (3rd revised edition 2014)* (International Labour Standards Department, ILO, Geneva). Also available as an online database @ <<http://www.ilo.org/global/standards/maritime-labour-convention/lang-en/index.htm>>

Moira McConnell (expert contributor to a UN publication/ document), *Background paper for discussion at the first meeting of the Special Tripartite Committee established under Article XIII of the Maritime Labour Convention, 2006* (Geneva, 7–11 April 2014) ILO Doc. No. STCMLC/2014. Available online @ <http://www.ilo.org/wcmsp5/groups/public/---ed_norm/-normes/documents/genericdocument/wcms_235062.pdf>

Aldo Chircop, Scott Coffen-Smout, Moira McConnell, eds., *Ocean Yearbook*, Volume 28 (Leiden/Boston: Brill/Martinus Nijhoff, 2014).

Phillip Saunders

Phillip Saunders, Hugh Kindred and Robert Currie (co-general editors). *International Law, Chiefly as Interpreted and Applied in Canada* (8th ed., 2014).

Phillip Saunders, "Canada", in A. Reinisch and G. Novak (eds.), *The Privileges and Immunities of International Organizations in Domestic Courts* (Oxford University Press, 2013)

Phillip Saunders, "Sustainability and the Atlantic Bluefin Tuna: Science, Socioeconomic Forces and Governance", with John G. Phyne, Michael J.W. Stokesbury and Montana F. McLean, 16 *Jnl. of Int'l. Wildlife Law and Policy* 198 (2013)

Phillip Saunders, "Bahamas – Cuba", with Loren Klein and Natasha Turnquest, in *International Maritime Boundaries*, 1–14 (ASIL, 2013).

David VanderZwaag

David L VanderZwaag & Tim Stephens, eds., *Polar Oceans Governance in an Era of Environmental Change* (Northampton, MA: Edward Elgar, 2014).

David L VanderZwaag & Tim Stephens, "Polar oceans governance: shifting seascapes, hazy horizons" in David L VanderZwaag & Tim Stephens, eds., *Polar Oceans Governance in an Era of Environmental Change* (Northampton, MA: Edward Elgar, 2014), 1–17.

David L VanderZwaag, "The Arctic Council and the future of Arctic Ocean governance: edging forward in a sea of governance challenges" in David L VanderZwaag & Tim Stephens, eds., *Polar Oceans Governance in an Era of Environmental Change* (Northampton, MA: Edward Elgar, 2014), 308–338.

David L VanderZwaag, "Canada and the Governance of the Northwest Passage: Rough Waters, Cooperative Currents, Sea of Challenges" in David D Caron & Nilufer Oral, eds., *Navigating Straits: Challenges for International Law* (Boston: Brill Nijhoff, 2014), 87–121.

Alexander Globokov, Alf Hakon Hoel, Susan Rolston, Sarah Turgeon & David L VanderZwaag, "Governance of Russian Arctic Fisheries in the Barents Sea: Surveying National and Cooperative

Currents” in Aldo Chircop, Scott Coffen-Smout, and Moira McConnell, eds., 28 *Ocean YB* (Leiden: Brill Nijhoff, 2014), 328–347.

Aaron Lemkow & David L VanderZwaag, “Recovery Planning under Canada’s Species at Risk Act in a Changing Ocean: Gauging the Tides, Charting Future Coordinates” (2014) 26 *J Envtl L & Prac* 121.

Lauren Warner, David L VanderZwaag & Cecilia Engler Palma, “Canada and the Governance of Arctic Marine Fisheries: Tending a Fragmented Net” in Aldo Chircop, Scott Coffen-Smout & Moira McConnell, eds., 28 *Ocean YB* (Leiden: Brill Nijhoff, 2014), 380–422.

David L VanderZwaag, Richard Apostle & Steven J Cooke, “Tracking and Protecting Marine Species at Risk: Scientific Advances, Sea of Governance Challenges” (2013) 16:2–3 *J Int’l Wildlife L & Pol’y* 105.

Cecilia Engler Palma, David L VanderZwaag & Richard Apostle et al., “Sustaining American Eels: A Slippery Species for Science and Governance” (2013) 16:2–3 *J Int’l Wildlife L & Pol’y* 128.

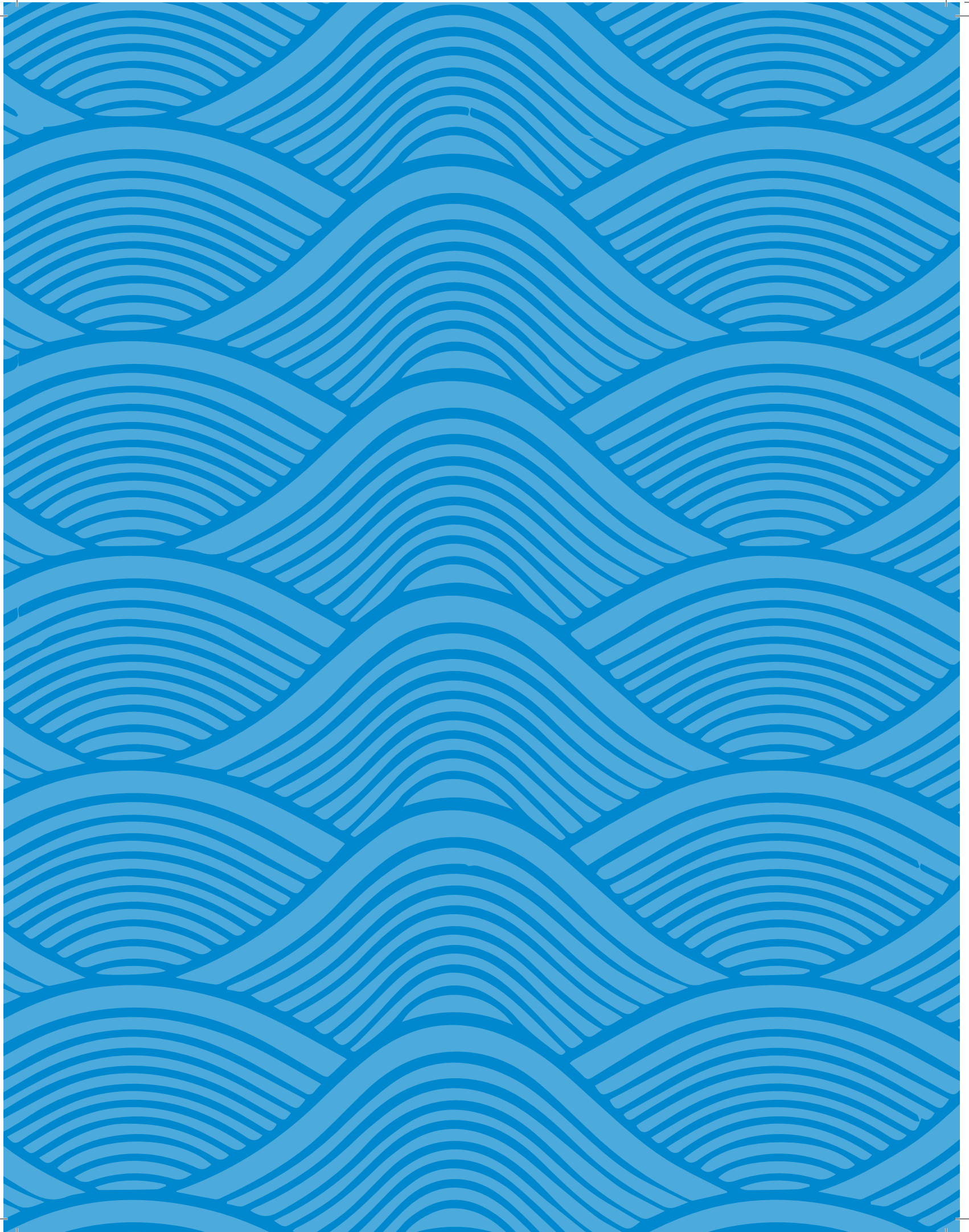
Richard Apostle, Michael J Dodswell, Cecilia Engler Palma, Mathew K Litvak, Montana F McLean, Michael JW Stokesburry, Andrew D Taylor & David L VanderZwaag, “Sustaining Atlantic Sturgeon: Stitching a Stronger Scientific and Governance Net” (2013) 16:2–3 *J Int’l Wildlife L & Pol’y* 170.

Brendal Davis, David L VanderZwaag & Aurelie Cosandey-Godin et al., “The Conservation of the Greenland Shark (*Somniosus microcephalus*): Setting Scientific, Law and Policy Coordinates for Avoiding a Species at Risk” (2013) 16:4 *J Int’l Wildlife L & Pol’y* 300.

David L VanderZwaag, “Social science perspective: the future of Arctic fisheries governance – a restless sea” in Oran Young et al., eds., *The Arctic in World Affairs: A North Pacific Dialogue on the Future of the Arctic* (Korea Maritime Institute and East-West Centre, 2013), 221–227.

David L VanderZwaag, “The ICJ, ITLOS and the Precautionary Approach: Paltry Progressions, Jurisprudential Jousting” (2013) 35 *U Haw L Rev* 617.

David L VanderZwaag & Hai Dang Vu, “Regional Cooperation in the South China Sea and the Arctic: Lessons To Be Learned?” (2013) 6 *Tsinghua L Rev* 29 (in Chinese).



Events, Lectures & Visitors

Highlighted Events



Professors Aldo Chircop, Meinhard Doelle, David VanderZwaag, Karen Scott, Phillip Saunders, and Moira McConnell

Fifth Annual Douglas M. Johnston Lecture

October 30, 2013

Professor Karen N. Scott of the University of Canterbury was the guest speaker at this year's Douglas Johnston Lecture. She gave a talk entitled "International Law and the 'Mis-anthropocene': Responding to the Geoengineering Challenge."

About Karen N. Scott



Professor Scott researches and teaches in the areas of international environmental law, law of the sea and Antarctic law and policy. She has published widely in these fields in journals such as the *Michigan Journal of International Law*, the *International and Comparative Law Quarterly*, the *Melbourne Journal of International Law* and the *Yearbook of International Environmental Law*. She has recently co-edited (with Alan D. Hemmings and Donald R. Rothwell) a collection entitled *Antarctic Security in the Twenty-first Century: Legal and Policy Perspectives* (Routledge, 2012). Between 2009 and 2012 she was the General Editor of the *New Zealand Yearbook of International Law*. She is currently the Vice-President of Australian and New Zealand Society of International Law.

About Douglas M. Johnston



Douglas M. Johnston was a leading teacher, scholar and writer in the international marine and environmental law community. His numerous contributions to the Schulich School of Law included the development of the Marine & Environmental Law Program, strengthening of the graduate program and the enhancement of the faculty's strong scholarly reputation. He published ground-breaking scholarly works on the regulation of international fisheries, the theory of ocean-boundary, treaty law and the history of international law. His last book, which he completed very shortly before he died, received a posthumous award from the American Society of International Law.



"The Evolving Arctic, Challenges and Opportunities", a seminar presented by the Company of Master Mariners of Canada at Dalhousie University Law School, 29 April 2014. From left to right: Capt. Jack Gallagher, Speakers' Panel Moderator; Dr. Ron Pelot, Dalhousie University; Mr. Brian Flemming, a notable participant; and Capt. Rick Gates, Seminar Chairman.

Fourth Arctic Seminar of the Company of Master Mariners of Canada

April 29, 2014

This was the 4th in a series of one-day seminars on the Canadian Arctic staged by the Maritimes Division of the Company of Master Mariners of Canada. It was held here at the Schulich School of Law on April 29, 2014. Dean Kim Brooks welcomed the delegates to the School and the Keynote Address was given by University President Dr. Richard Florizone.

Captain Rick Gates MNI, Master of the Division, greeted the speakers and audience. He stated that the aim of this seminar was to investigate the current stage of development in the Canadian Arctic as a region for shipping and resource exploitation.

Seminar topics, covered by knowledgeable speakers included:

- Training for Ice Navigation and Piloting

- Winter Navigation by Ice-breaking Bulk Carriers
- Arctic Ports and Cargo-handling
- a Comparison with Russia's Northern Sea Route
- the Canadian Navy's Arctic Aspirations
- Search and Rescue in the Far North
- Coast Guard's Arctic Strategy
- Regulating Future Off-shore Oil and Gas Activities

Aldo Chircop presented at this event. His talk was on "The Russian Arctic and Northern Sea Route Navigation."

Events & Lectures

AUGUST 15–18, 2013

Aldo Chircop travelled to Svalbard, Norway to give a presentation entitled “International Shipping in the Arctic Region: Confronting Legal Uncertainty” as part of the Hässleby Colloquium on Shipping and the Environment. It was held at the Axel Axson Johnson Institute for Maritime Law and Transport Law for the Faculty of Law with the University of Stockholm.

AUGUST 21–23, 2013

David VanderZwaag travelled to Honolulu, Hawaii to present “Governance of the Central Arctic Ocean Beyond National Jurisdictions: A Restless Sea” at the 2013 North Pacific Arctic Conference.

SEPTEMBER 3–8, 2013

David VanderZwaag attended the Pacem in Maribus XXXIV International Forum on Sustainable Ocean Governance in Bangkok, Thailand. He spoke on “The Precautionary Approach in International Fisheries Governance: Beacon of Hope, Sea of Confusion and Challenges.”

SEPTEMBER 12–13, 2013

Aldo Chircop travelled to the Bucerius Law School in Hamburg, Germany for the Hamburg International Environmental Law Conference. He gave a talk on “The Evolving Framework for International Navigation in the Arctic.”

OCTOBER 8–9, 2013

Aldo Chircop gave a presentation at the workshop on Arctic Shipping through Challenging Waters. For the NORRUS Project, his lecture took place at the Norwegian Research Centre in St. Petersburg, Russia.

OCTOBER 11–12, 2013

David VanderZwaag gave a presentation entitled “Sustaining Atlantic Marine Species at Risk: Scientific and Legal Coordinates, Sea of Governance Challenges” at the Science, Technology, and New Challenges to Ocean Law conference held at the University of California, Berkeley.

OCTOBER 15, 2013

Meinhard Doelle gave a guest lecture for the Environmental Science Program at Dalhousie and spoke on “Law as a Tool for Change.”

OCTOBER 16, 2013

Aldo Chircop gave a public lecture at the Company of Master Mariners of Canada (CMMC) while onboard the HMCS Sackville at the Maritime Museum of the Atlantic in Halifax. His talk was entitled “What Are They Doing Better? Comparing Canadian and Russian Approaches and Practices to Governance of Arctic Shipping.”

OCTOBER 30, 2013

MELAW held its fifth Annual Douglas M. Johnston Lecture at the Schulich School of Law. Professor Karen N. Scott of the University of Canterbury was the guest speaker and she gave a talk entitled “International Law and the ‘Mis-anthropocene’: Responding to the Geoengineering Challenge.”

NOVEMBER 10, 2013

Phillip Saunders gave a presentation entitled “The Allocation of Marine Space in the Arctic: Maritime Boundaries and Continental Shelf Extension” at the Chinese Academy of Social Sciences International Law Forum in Beijing.

NOVEMBER 23, 2013

Meinhard Doelle was the Keynote Speaker at a student conference at Mount Allison University. His presentation was entitled “The Lower Churchill EA: Reflections of a Panel Member.”

DECEMBER 5–6, 2013

David VanderZwaag spoke at the 2020 Vision of Canada’s Oceans Dialogue held at Simon Fraser University in Vancouver. His presentation was on “Canadian Ocean Law and Policy: Promising Currents, Sea of Challenges.”

DECEMBER 12, 2013

David VanderZwaag presented “Governance of the Central Arctic Ocean Beyond National Jurisdiction: Cooperative Currents, Restless Sea” at the Arctic Net Annual Scientific Meeting held at the World Trade and Convention Centre in Halifax.

JANUARY 19–24, 2014

Aldo Chircop gave the keynote address at Arctic Frontiers (Science Section) at the Universitet i Trømso in Norway. His talk was entitled “Regimes in Transition: Regulating International Navigation and Shipping in the Arctic.”

JANUARY 23, 28, and 30, 2014

Meinhard Doelle gave a series of guest lectures at the College of Sustainability entitled: “The Evolution of the UN Climate Regime.”

JANUARY 24, 2014

David VanderZwaag gave two presentations at the Arctic Frontiers Conference in Tromsø, Norway: 1) “Canada and the Governance of Arctic Shipping: Navigating between Unilateralism and International Cooperation,” and 2) “The Minamata Convention and Protection of the Arctic Environment.”

JANUARY 30, 2014

Meinhard Doelle spoke at the EUCE lunch seminar on the topic of “The Warsaw Climate Negotiations.”

FEBRUARY 4, 2014

Aldo Chircop presented three seminar talks at the Status of Law of the Sea Treaty (UNCLOS) – Article 82 Seminar convened by the Canadian Association of Petroleum Producers (CAPP). Held at CAPP in Calgary, his three seminars were: 1) “Status of Law of the Sea Treaty (UNCLOS) as binding obligation of Canada: History and negotiating background of Articles 76 and 82”; 2) “The requirements of Article 82 and its relationship to Article 76”; 3) “The role of the International Seabed Authority in the implementation of Article 82.”

FEBRUARY 21–22, 2014

Environment in the Courtroom: Sentencing and Environmental Offences

Phillip Saunders co-chaired with Owen Saunders (University of Calgary)

MELAW, in cooperation with the Canadian Institute for Resource Law (CIRL) hosted this Symposium and Webinar for judges, practitioners and government officials, under funding from Environment Canada. The symposium dealt with the major issues that arise in the course of sentencing for environmental offences, including both the basic considerations that attach in environmental cases as well as more advanced topics.

FEBRUARY 26, 2014

David VanderZwaag attended the fifth Polar Shipping Summit in London, UK and gave a presentation on “Shipping and Arctic Marine Environmental Protection: Tangled Currents, Sea of Challenges.”

MARCH 13–14, 2014

David VanderZwaag travelled to the George Washington University Law School in Washington, DC to give a talk entitled “Canada and Marine Planning: Sailing in a Sea of Challenges” during the J.B. and Maurice C. Shapiro Environmental Law Symposium.

MARCH 15, 2014

Meinhard Doelle was in Vancouver for the NACLE Conference and presented “The Role of Technology in an Evolving Climate Regime.”

MARCH 17, 2014

Meinhard Doelle presented a public lecture at the University of Manitoba entitled “Rocky Road to Paris: An Assessment of the UN Climate Negotiations.”

MARCH 18, 2014

Meinhard Doelle was a guest lecturer at the University of Manitoba Resources Institute and presented “CEAA 2012: Implications for the Federal Environmental Assessment Process.”

MARCH 19, 2014

Meinhard Doelle presented a public lecture, “CEAA 2012: Implications for the Federal Environmental Assessment Process” for the Schulich School of Law Mini Law Public Lecture Series.

MARCH 27, 2014

Meinhard Doelle offered a workshop to Dalhousie law students entitled “Ethics in the Practice of Environmental Law.”

APRIL 7–11, 2014

Moira McConnell was invited as an expert advisor to the first meeting of the Special Tripartite Committee, an international committee established under the Maritime Labour Convention, 2006. The meeting (held at the Headquarters of the International Labour Organization in Geneva, Switzerland) had more than 350 participants and adopted amendments to address the serious problem of abandonment of seafarers and to establish standards for a financial security system to ensure compensation for seafarers in the event of death or long term disability.

APRIL 11, 2014

Meinhard Doelle was the guest speaker to environmental science students at Dalhousie University for a lecture entitled “Introduction to Environmental Law”.

APRIL 22–23, 2014

Aldo Chircop travelled to Xiamen, China for the Fourth International Symposium on Scientific and Legal Aspects of the Regimes of the Continental Shelf and Area. The symposium was hosted by the Second Institute of Oceanography and the Chinese Institute for Marine Affairs, State Oceanic Administration. Chircop’s presentation was on the “Implementation of Article 82 of the United Nations Convention on the Law of the Sea: Theory and Practice.”

APRIL 24–25, 2014

Aldo Chircop presented at the workshop on the New Developments on the Law of the Sea that took place at Faculty of Law at the University of Xiamen, China. Convened by the South China Sea Institute, he spoke about “Equity and the Law of the Sea: Developing Equitable Criteria for Sharing of Extended Continental Shelf Benefits.”

APRIL 29, 2014

Fourth Arctic Seminar of the Company of Master Mariners of Canada

Maritime Division of the Company of Master Mariners of Canada held an Arctic seminar here at the Schulich School of Law on April 29, 2014.

MAY 12–13, 2014

Third Sino-Canadian Exchange on the Arctic

This biennial event was jointly convened by the Marine & Environmental Law Institute, China Institute for Marine Affairs (State Oceanic Administration), Polar Research Institute of China, and the Centre for Polar and Deep Ocean Development, Shanghai Jiao Tong University. The key organizer in China was Professor Kuenchen Fu who hold positions in both Shanghai Jiao Tong and Xiamen universities. The venue was the Faculty of Law, Shanghai Jiao Tong. Over 30 participants, mostly Chinese scholars, attended and represented the China Institute of Marine Affairs, Shanghai Jiao Tong University, University of Xiamen, Ocean University of China, Polar Research Institute of China, Shanghai Institute for International Studies, Shanghai University of International Business and Economy and Tongji

University. Canadian participants represented the universities of Dalhousie, Calgary, Laval, Manitoba, Montreal, St. Jerome's and Victoria. The Canadian Embassy was also represented. At the meeting the Canadian Embassy sponsored an exhibition of Arctic photography. Participants are expected to publish their presentations in Chinese and Canadian periodicals.

Aldo Chircop gave a talk on the Arctic entitled "Canadian and Russian Regulatory Approaches to Arctic Navigation and Shipping: How different are they?"

David VanderZwaag lectured on "The 2013 Minamata Convention and Protection of the Arctic Environment: Mercurial Promises and Challenges."

MAY 14–16, 2014

David VanderZwaag attended a conference on the "East China Sea: How to Build Confidence and Promote Cooperation" held at the Seoul National University in Korea. His presentation was on "Sustaining Transboundary Fisheries: International Coordinates, Sea of Challenges."

JUNE 5–6, 2014

Aldo Chircop travelled to Beijing for the Second Arctic/Asia-Pacific Maritime Workshop: Sea Lines of Communication (SLOCs) Security in the Asia Pacific and the Arctic. Hosted by the Canadian Embassy in Beijing, China Institute; University of Alberta (CIUA); and National Institute for South China Sea Studies (NISCSS), Chircop's presentation dealt with "Servicing Maritime Trade Routes in Arctic Waters: Challenges & Responsibilities."

JUNE 13–27, 2014

Moira McConnell was an expert resource for the ILO's Maritime Labour Academy (based in Turin, Italy) for a one-week workshop on the national legal implementation of the Maritime Labour Convention, 2006 and for a two-week training of trainers course. Professor McConnell helped to design the course and resource materials, and, has helped administer these courses as a lead expert since 2009.

JUNE 14–19, 2014

Aldo Chircop attended the Annual Conference of the Comité Maritime International held at Hamburg, Germany. He gave two talks: 1) "Short Review of the Work of the CMI/IWG (Arctic & Antarctic) & Overview of UNCLOS in the Arctic" and 2) "Polar Load Lines for Maritime Safety: A Neglected Issue in the International Regulation of Navigation and Shipping in Arctic Waters?" while at the conference.

JUNE 15–19, 2014

Phillip Saunders attended the Coastal Zone Canada 2014 conference in Halifax and spoke on "Sustainable Governance of the Atlantic Bluefin Tuna."

JUNE 16, 2014

David VanderZwaag along with Melanie Beguer-Pon participated in the Coastal Zone Canada 2014 Conference, and they spoke about "Sustaining the American Eel: A Slippery Species for Science and Management." This year's conference was held in Halifax.

JUNE 18, 2014

At the Coastal Zone Canada 2014 Conference, David VanderZwaag and Katja Fennel presented on "Ocean Acidification: Scientific Surges, Lagging Law and Policy Responses."

JUNE 24–25, 2014

Aldo Chircop was at the University of Oslo, Norway for the Scandinavian Institute of Maritime Law's workshop on Jurisdiction over Ships: Post-UNCLOS Developments in the Law of the Sea. His presentation was entitled "Assistance at Sea and Places of Refuge for Ships."

JULY 1–5, 2014

David VanderZwaag travelled to Tarragona, Spain for the 12th IUCN Academy of Environmental Law Colloquium 2014. His presentation was entitled "Renewable Ocean Energy and the International Law and Policy Seascape: Global Currents, Regional Surges."

MELAW Visitors

AUGUST 2012 to AUGUST 2013



Alexandre Pereira da Silva received a Post-Doctoral Research Fellowship

and spent a year at the Marine & Environmental Law Institute working on his research. He attends the University of Pernambuco in Brazil.

APRIL to MAY 2013



Associate Professor Craig Forrest spent part of his sabbatical at the

Law School researching maritime and shipping law. He is the Director of the Marine and Shipping Law Unit and a Fellow for the Centre for Public, International and Comparative Law at the TC Bernie School of Law at the University of Queensland, Brisbane, Australia.

APRIL to MAY 2013



Dr. Andrew Serdy teaches at the University of Southampton in the United

Kingdom. He visited the Law School to research international fisheries law.

AUGUST 2013



Sylvia Xinhue studies at the National Institute for South China Sea in Hainan, China.

AUGUST to SEPTEMBER 2013



Sebastien Duyck is a researcher from the Northern Institute for

Environmental and Minority Law Arctic Centre at the University of Lapland in Finland. He visited the MELAW Institute from August to September 2013 to work on environmental law research.

OCTOBER to NOVEMBER 2013



Professor Karen N. Scott was the guest speaker for this year's Douglas M.

Johnston Lecture. She teaches at the University of Canterbury, School of Law in New Zealand.

JANUARY to MARCH 2014



Andreas Zink worked on research on EU Arctic Policy in the area of Ballast

Water Management Convention while visiting the Marine & Environmental Law Institute.



Associates & University Partners

Full-time Faculty

Meinhard Doelle, *Director*



Professor Meinhard Doelle specializes in environmental law. He currently serves as Associate Dean, Research, and is the Director of the Marine & Environmental Law Institute after nine years as Associate Director. From 1996 to 2001, he was the Executive Director of Clean Nova Scotia. He has been involved in the practice of environmental law in Nova Scotia since 1990 and, in that capacity, drafted the NS Environment Act in 1992. He currently is environmental counsel to the Atlantic Canada law firm of Stewart McKelvey.

From 2000 to 2006, Professor Doelle was a non-governmental member of the Canadian delegation to the UN climate change negotiations. From January to May 2008, he was a visiting scholar at the Environmental Law Center of the IUCN in Bonn, Germany. Dr. Doelle served on the Joint Federal/Provincial Environmental Assessment Review Panel for the Lower Churchill Hydro-Electric Project from 2009 to 2011. He is currently conducting a review of aquaculture regulations for the province of Nova Scotia together with Professor William Lahey.

Professor Doelle has written on a variety of environmental law topics, including climate change, energy, invasive species, environmental assessments, and public participation in environmental decision-making. His recent books are entitled *Environmental Law: Cases and Materials* (with Chris Tollefson), *Promoting Compliance in an Evolving Climate Regime*, *The Federal Environmental Assessment Process, a Guide and Critique*, and *From Hot Air to Action: Climate Change, Compliance and the Future of International Environmental Law*.

Graduate Supervision

As supervisor: Godfred Chongatera, LL.M

As supervisor: Don McCrimmon, PhD

As committee member: Tony Puthucherril, PhD

Moira McConnell, Associate Director



Dr. Moira L. McConnell is a Professor of Law and the Associate Director (2013-2015) of the Marine & Environmental Law Institute (MELAW). She has been a member of the Faculty of Law at Dalhousie University since 1989 and a member of the Nova Scotia Bar Society since 1990. Since 2003 she has been a Special Advisor to the International Standards Department, International Labour Office of the United Nations in connection with the ILO's Maritime Labour Convention, 2006. She is also an expert faculty member for the Maritime Labour Academy based at the ILO's International Training Centre, Turin, Italy. Over the last 25 years, Professor McConnell has undertaken numerous international, regional and national legal implementation projects related to marine and environmental law and is currently involved in several projects with colleagues in MELAW.

Professor McConnell's current teaching and research interests are in the fields of public and private international law and domestic law including international law, law of the sea, maritime law and policy, international labour law, environmental law, governance systems, corporate law and governance, administrative and constitutional law, social justice, contract law and human rights. She has over 100 publications in a wide range of topics in these fields including a major book, *The Maritime Labour Convention, 2006 A Legal Primer to an Emerging International Regime* (with Dominick Devlin and Cleopatra Doumbia-Henry). She is also a co-editor of the international interdisciplinary *Ocean Yearbook* (1998 ff), an Associate Editor of the *Yearbook of International Environmental Law* (2006–ff), and is on the editorial board of the *WMU Journal of Maritime Affairs*, the Advisory boards of the *Global Journal of Comparative Law* and the *Journal of Arbitration and Mediation*. Professor McConnell also works closely with Masters and Doctoral level candidates at Dalhousie University and elsewhere.

Graduate Supervision

As a committee member: Cecilia Engler, PhD candidate

As a co-supervisor: Joseph Loot, PhD candidate

As an examiner: Celestine Ezennia, LLM candidate

Aldo Chircop



Professor Aldo Chircop (JSD, 1988) is a full professor of law and specialist in international and comparative marine and environmental law and policy. Specific topics of current research and teaching interest include Arctic policy and marine transportation, international law of the sea, Canadian and international maritime law, comparative coastal law and marine protected areas. Dr. Chircop's work experience has included directorships of MELAW, the International Ocean Institute and the Mediterranean Institute in Malta.

In 2004–2005 Dr. Chircop was Canadian Chair in Marine Environment Protection at the IMO's World Maritime University in Malmö, Sweden. He was also appointed Chair of the International Working Group on Polar Shipping of the Comité Maritime International (CMI). A former Commonwealth Fellow, Dr. Chircop is also a recipient of the Dalhousie Faculty of Graduate Studies Distinguished Service Award and the Dalhousie Student Union Teaching Excellence Award, and co-recipient of the Canadian Bar Association Walter Owen Book Prize. Dr. Chircop is co-editor of the *Ocean Yearbook* and has published widely in the peer reviewed literature.

Graduate Supervision

As a supervisor: Tony George Puthucherril, PhD candidate (Canada)

As an advisory committee member: Hai Dang Vu, PHD candidate (Vietnam)

As a co-supervisor: Diane Rowe, LLM student (Canada)

As a co-supervisor: candidate Julia Poertner, Interdisciplinary PhD (Germany)

As a co-supervisor: Mathilde Jacquot, PhD candidate, Faculty of Law, University of Western Brittany, Brest (France)

As a co-supervisor: Anja Pfurtscheller, LLD candidate, Faculty of Law, University of Innsbruck (Austria)

As a mentor: Alexandre da Silva, post-doc from the University of Pernambuco (Brazil)

As a mentor: Sylvia Xinhue, visiting scholar from the South China Sea Institute, Hainan (China)

As an external examiner at the Dalian Maritime University, Shanghai Maritime University and World Maritime University.

Dawn Russell



Associate Professor Dawn A. Russell practiced law in Halifax for five years with the Atlantic law firm of Stewart McKelvey Stirling Scales before beginning her career as a law teacher in 1987 as an Assistant Professor. She received tenure and was promoted to Associate Professor in July 1992. She served as Acting Dean of Dalhousie Law School from May 1, 1995 to March 31, 1996 and as Dean from April 1, 1996 to June 30, 2005.

Professor Russell was President and a member of the Law Reform Commission of Nova Scotia from 1994 to 2002; Secretary of the Canadian Council of Law Deans from 1997 to 1998, and President from 1998 to 1999; a member of Nova Scotia Bar Council from 1995 to 2005, and a member of the Executive Board of the Canadian Council on International Law from 1994 to 2001. She currently chairs the Maritime Rhodes Scholarship Selection Committee and serves as a member of the John Peters Humphrey Fellowship Selection Committee. She completed six years of service on the Board of Directors of the Canadian Institute of Resources Law in December 2005.

Professor Russell is on leave effective July 1, 2011. She is currently the President of St. Thomas University in Fredericton, New Brunswick.

Phillip M. Saunders



Associate Professor Phillip M. Saunders, QC, is cross-appointed to the School for Resource and Environmental Studies and is a Research Fellow at the Centre for Foreign Policy Studies. He is a Member of the Nova Scotia Bar. His teaching and research interests are in international marine and environmental law, maritime boundary delimitation, tort law, judicial remedies and international fisheries law. Professor Saunders was formerly with the International Centre for Ocean Development, as Senior Policy Advisor and as Field Representative, South Pacific. He has managed and delivered development and training projects in the areas of marine and environmental law in the South Pacific, the Caribbean, the Indian Ocean, Southern Africa, Southeast Asia, South Asia, Central America and Russia, and was Dean of Law from 2005–2010. He acted as counsel for Nova Scotia in the arbitration of the boundary between the offshore areas of Nova Scotia and Newfoundland, and is co-general editor of *International Law, Chiefly as Interpreted and Applied in Canada* (8th ed., 2014).

Graduate Supervision

As a supervisor: Darin Reeves, LLM

As a committee member: Lu Ying, PhD

As a committee member: Don McCrimmon, PhD

As a reader: Jason Samson, LLM

David L. VanderZwaag, Canada Research Chair in Ocean Law & Governance



Dr. David VanderZwaag holds the Canada Research Chair (Tier 1) in Ocean Law and Governance and teaches international environmental law. He is the past Co-director of Dalhousie's interdisciplinary Marine Affairs Program and past Director of the Marine & Environmental Law Institute.

Dr. VanderZwaag is a member of the IUCN's World Commission on Environmental Law (WCEL) and Co-chair of the WCEL's Specialist Group on Oceans, Coasts & Coral Reefs. He is a Co-founder and Co-chair of the Australian-Canadian Oceans Research Network (ACORN) and has had extensive research and lecturing experience in South and Southeast Asia, the South Pacific, Europe, and the Caribbean. Dr. VanderZwaag has authored over 150 papers in the marine and environmental law field. He has co-led the writing of the ocean governance chapter of the Arctic Marine Shipping Assessment under the auspices of the Protection of the Arctic Marine Environment (PAME) Working Group of the Arctic Council.

His most recent book publications include: *Polar Oceans Governance in an Era of Environmental Change* (edited with Tim Stephens) (Cheltenham, UK: Edward Elgar 2014) and *Recasting Transboundary Fisheries Management Arrangements in Light of Sustainability Principles: Canadian and International Perspectives* (edited with D. A. Russell) (Leiden: Martinus Nijhoff 2010). Professor VanderZwaag's educational background includes: PhD (1994, University of Wales, Cardiff), LL.M (1982, Dalhousie Law School), JD (1980, University of Arkansas Law School), M.Div (1974, Princeton Theological Seminary), and BA (1971, Calvin College).

Graduate Supervision

As a supervisor: Ying Lu, PhD

As a supervisor: Catherine Sykes, PhD

As a supervisor: Cecilia Engler, PhD

As a supervisor: Hai Dang Vu, PhD

As a committee member: Don McCrimmon, PhD

Lauri MacDougall, *Administrative Assistant*



Ms. Lauri MacDougall has been with the Marine & Environmental Law Institute and its predecessor MELP for ten years, and the Law School for 12. She began working for Dalhousie University in 2002 in the Law School's Alumni & Development Office. Prior to joining Dalhousie, she spent several years in the advertising and special event fields where she was heavily involved in major event planning, preparing and managing budgets and various secretarial support. Since becoming a part of Institute staff, she has managed the coordination of lectures, receptions, meetings and workshops, hosted by the Institute and has been integral in the compilation of reports relating to many projects, as well as managing the grants and contracts awarded to the Institute. She also provides assistance to Institute visitors and oversees the MELAW research students, ensuring their needs ranging from office space, computer services and payroll. Her current responsibilities include providing secretarial services to five full-time faculty including the current Canada Research Chair in Ocean Law and Governance, as well as all necessary administrative duties and responsibilities driven by the Institute.



Teaching Associates



Lucia Fanning, PhD, MMM (Dalhousie), BSc (Guelph), is a professor with the Marine Affairs Program. Her research interests include the roles of policy networks in influencing marine policy decisions; the assessment and effectiveness of evolving oceans governance regimes in managing marine uses; and ecosystem-based approaches to the management of coastal and marine space and use. Current projects include understanding how western and indigenous knowledge systems influence fisheries governance in Canada; governance of transboundary living marine resources at the regional or large marine ecosystem (LME) level, in particular the Caribbean LME; addressing contemporary marine piracy; and the role of key and emerging policy actors, including resource users and members of civil society, in managing marine resources.



Sean Foreman is a partner with Wickwire Holm in Halifax and practices in the environmental, litigation and energy and natural resources groups with an emphasis on commercial litigation, environmental, administrative and regulatory law. Sean's long-term involvement in the scouting movement and love of outdoor pursuits formed the background for his first degree in Environmental Studies (Geography) from the University of Waterloo (1995), and his graduation from Dalhousie Law School in 1998 with his JD and a Certificate of Specialization in Environmental Law from the Marine & Environmental Law Institute. Among his many professional and community volunteer positions, Sean served as Chair of the National Environment, Energy & Resources Law Section (NEERLS) of the Canadian Bar Association (CBA) from 2007–2008, having served as Chair of the Nova Scotia Section in 2002–2003. Sean was honoured to receive the inaugural Zoe Odey Young Lawyers' Distinguished Service Award

from the CBA (Nova Scotia) in 2003, presented across Canada for leadership and service to the community. Most recently, he was the recipient of the 2007 Dalhousie University Outstanding Young Alumnus of the Year Award.



David Henley is a partner in the Halifax office of Stewart McKelvey in the area of maritime, energy and natural resources, and environmental law. After a career in the army as an artillery officer, he was admitted to the Nova Scotia Bar. He continues to serve in the Army Reserve as a Brigadier-General and is currently the Deputy Commander for the 5th Canadian Division (essentially, the Army in Atlantic Canada). In 2009, Brigadier-General Henley was invested by the Governor-General as an officer of the Order of Military Merit. Mr. Henley represents various maritime and offshore interests. He spent a year at an east coast shipyard acting as in-house counsel where he dealt with the varied issues arising from shipbuilding and ship repair, as aspect which continues to be a substantial part of his practice. As well, he has acted as a claims handler at a Protection and Indemnity Club in London handling all aspects of claims related to vessels. He is a past chair of the CBA Environmental Law Subsection, Nova Scotia. Since 2010, Mr. Henley has been a member of the Transportation Appeal Tribunal of Canada. He has written and presented papers on a variety of subjects at industry seminars and currently teaches Fisheries Law in MELP program.



Jessie Irving is an associate in the Halifax office of McInnes Cooper and practices in the areas of energy, natural resources, environmental, administrative/regulatory and real property law. She obtained a Bachelor of Science (Honours, Biology)

from Mount Allison University, prior to obtaining an LLB from Dalhousie Law School. Jessie's regulatory practice focuses on the electricity and natural gas sectors, and she routinely provides project advice to clients with respect to energy and environmental matters. Jessie has been involved with the CBA's National Environment, Energy & Resources Law Section, CBA-NS's Environmental Section, and with the Board of Directors for East Coast Environmental Law.



Sarah M. Kirby is Assistant Dean, Student Services and a research associate with MELAW at the Schulich School of Law at Dalhousie University in Halifax, Nova Scotia. Sarah graduated from Dalhousie Law School with her LL.B. in 1999; prior to that Sarah obtained her Honours Bachelor of Science (Marine Biology and Oceanography) from Dalhousie University in 1994.

Sarah is a member of the Nova Scotia Barristers Society and practiced as a lawyer from 2000–2011. Her practice specialized in commercial litigation, and providing dispute resolution, litigation and regulatory advice and representation to a variety of interests, with a focus on the marine transportation industry and insurers. Sarah is also a member of the Transportation Appeal Tribunal of Canada and an adjudicator with the Nova Scotia Small Claims Court.



James MacDuff is Counsel in McInnes Cooper's Halifax, Nova Scotia office. He practices in the area of corporate, regulatory, and administrative law, with a particular focus on electricity rate setting and other energy matters. He has represented clients in a variety of proceedings before the National Energy Board and the Nova Scotia Utility and Review Board. James advises clients on federal and provincial energy and environmental issues, and has assisted in the

preparation of responses to Requests for Proposals for Renewable Energy and in the negotiation, review, and assignment of numerous energy project agreements.



Michael Simms is a partner at McInnes Cooper's Halifax office. He previously spent several years as senior counsel at the Canadian head offices of a major international oil and gas company. Mike has extensive commercial and regulatory experience in energy, natural resources and environmental matters, with a particular focus on oil and gas, both onshore and offshore. He also provides advice on, and has developed and implemented corporate compliance programs in respect of health, safety & environment and other compliance matters.

Michael holds an LLB and a certificate in Marine & Environmental Law from Dalhousie University. He was called to the Bar in Nova Scotia in 2002 and in Alberta in 2006. He is a member of the Nova Scotia Barristers' Society, the Law Society of Alberta, the Canadian Bar Association, and the Canadian Corporate Counsel Association.

Research Associates



Dr. Jay L. Batongbacal received his Bachelor's Degree in Political Science from the University of the Philippines (UP) College of Social Sciences and Philosophy, and his Bachelor of Laws Degree from the UP College of Law. Upon graduation he served briefly in pro bono litigation and the government service. In 1996, with a scholarship award from the Canadian International Development Agency, he left for Dalhousie University in Canada to acquire his Master of Marine Management Degree, specializing in the Law of the Sea. He returned to the Philippines in 1997 to head the Philippine Center for Marine Affairs, and worked on a wide range of maritime issues from maritime dispute settlement, maritime boundary negotiations,

marine resource conservation, community-based fisheries management, seafaring, and shipping. In 2003 he returned to Dalhousie to pursue his doctoral degree, becoming the only foreigner in the inaugural group of graduate students awarded the prestigious Pierre Elliot Trudeau Scholarship. He carried out his doctoral research in ocean energy development and social justice and taught courses at the School of Law, Marine Affairs Program, and at the International Oceans Institute. He rejoined the Faculty of the UP College of Law in 2009 and completed his doctoral degree in 2010. He was the legal advisor for the technical team that successfully pursued the Philippine claim to a continental shelf beyond 200 nautical miles in the Benham Rise Region before the Commission on the Limits of the Continental Shelf. At present, Dr. Batongbacal is also Director of the Institute for Maritime Affairs & Law of the Sea.



Professor Emeritus Marie-Ann Bowden is from the University of Saskatchewan, College of Law. As former Managing Editor of the *Journal of Environmental Law and Practice* Marie-Ann enjoyed interaction through publications and JELP conferences with

environmental law academics and public interest advocates from across the country. Active in the ENGO community, she has represented that constituency on environmental boards and committees at the local, provincial and national levels. Educated at Mount Allison University (BA hons.), Queens (LLB) and Osgoode Hall Law School (LLM) Marie-Ann has published and taught in the areas of property, environmental, and natural resources law over her thirty year career. Most recently, she has been involved in the Indigenous Peoples Resource Program at the U of S as a professor of aboriginal resource management working with First Nations band managers from across Canada. Over her career Marie-Ann's most longstanding research interests have included environmental impact assessment and water law issues. In recent years, her interests have focused on First Nations water rights and safe drinking water concerns. The latter has prompted her involvement in the Coalition for the Protection of Prince Edward Island Waters.



Professor Emeritus Dr. Mary R. Brooks, with Stephen Ison, is the Editor of Elsevier's *Research in Transportation Business and Management*. Until 2013, she was the William A. Black Chair of Commerce at Dalhousie University, Halifax, Canada.

She has been actively engaged in the work of the Transportation Research Board (Washington DC) since 1993, chairing the Committee on International Trade and Transportation, serving on the Committee for Funding Options for Freight Transportation Projects of National Significance, and she was appointed to the Marine Board of the U.S. National Academy of Sciences in 2008. She is the founder and chair of the Port Performance Research Network, a network of more than 50 scholars interested in port governance and port performance issues. In 2013–2014, she chaired the International Scientific Steering Committee for the International Association of Maritime Economists. She is well known for her work on short sea shipping in Canada, the U.S. and Australia. Her latest book with Thanos Pallis, *Classics in Port Policy and Management*, was published by Edward Elgar in May 2012.



Scott Coffen-Smout is an oceans management biologist with the Oceans and Coastal Management Division, Fisheries and Oceans Canada, at the Bedford Institute of Oceanography, in Halifax, Nova Scotia. Scott holds a BSc in biology and a Marine

Affairs Diploma from Dalhousie University and an MSc in marine environmental science from the University of Wales, Bangor. His professional affiliations include being an alumnus of the International Ocean Institute, a member of the Ocean Management Research Network, an associate of the Marine & Environmental Law Institute, and co-editor of the *Ocean Yearbook*. Scott has had a varied interdisciplinary career in oceans management and oceans policy research, fisheries development, management and research, shellfish aquaculture development, management and research, and marine affairs project management.



Mark Covan is General Counsel with the Public Prosecution Service of Canada, Atlantic Regional Office, Halifax, Nova Scotia, and has worked as a Federal Prosecutor for over 18 years. Mr. Covan has a BA from Toronto and a JD and LLM from Dalhousie

University. He has extensive trial litigation experience, primarily in the area of narcotic/controlled substances criminal prosecutions, and has acted as Counsel for the Crown on a number of charter and constitutional law cases. He has appeared before the Supreme Court of Canada, and all levels of court in Nova Scotia, New Brunswick and Newfoundland and Labrador and has extensive experience conducting appeals before the Courts of Appeal in those provinces.

He is a member of the part-time faculty at Schulich School of Law, teaching evidence. His research interests are in the area of offshore jurisdiction, compliance and enforcement, with particular emphasis on ship-source oil pollution, and state enforcement through domestic legislation. He is an avid scuba diver and underwater photographer, his photographs having been published on several occasions in dive-related publications.



Robert J. Currie, of the Nova Scotia Bar, was formerly a civil litigator with McInnes Cooper (Halifax). He received his LLB from Dalhousie and his LLM from the University of Edinburgh. He is an Associate Professor and has been teaching at the

Schulich School of Law on a part-time or full-time basis since 2001. He is a specialist in public international law, particularly international and transnational criminal law, and his MELI-oriented work focuses on the penal and liability aspects of international environmental law and the law of the sea, particularly maritime jurisdiction. He acts as a legal consultant on a regular basis, and has published widely. He currently teaches in the areas of evidence, international criminal law, criminal law and law & technology. He is the Director of the Law & Technology Institute at the Schulich School of Law and is the Vice-President of the Law Reform Commission of Nova Scotia.



Linda F. Duncan has over 40 years' experience in environmental law, policy and resource management in government, non-government, private and international sectors. Extensive experience in the design and delivery of programs and strategies for:

effective environmental regulation; alternative approaches to enforcement and compliance; efficient allocation of regulatory and compliance staff and resources; coordination of central and regional agency mandates through delegation, decentralization or de-concentration; enhanced compliance through negotiated rule-making; inter-agency communications and team building; public outreach, consultations, and cooperative management involving NGOs, local and indigenous communities and First Nations. Extensive experience in the design and delivery of technical training programs including outreach to other government agencies and to regional or local authorities. She has experience with development and maintenance, of regional regulatory, resource management and enforcement networks. She is currently a Member of Parliament for Edmonton Strathcona and New Democrat Critic for Western Economic Diversification and serves as a member of the Standing Committee on Natural Resources. Previous portfolios included Critic for Environment and Public Works and Government Services.



David Dzidzornu is a Graduate Research Assistant in the LLM program at the Schulich School of Law. His research in international law of the sea focuses on marine environmental protection and integrated coastal zone management with reference to Africa's regional seas. In 2011–2012, he taught International Environmental Law.



Howard Epstein was the MLA for Halifax Chebucto from 1998 to 2013, when he retired. Prior to serving as MLA he was a municipal councillor. Howard has a degree in Law and has taught Land Use and Land Use Planning Law at Dalhousie's Schulich School of

Law for many years. He has published regularly on the topic, most notably major articles on Federal land use regulatory powers and on municipal government powers over sustainability.



William Lahey is an Associate Professor at the Schulich School of Law and the School of Health Administration, Dalhousie University. He is a member and past Director of the Dalhousie Health Law Institute and a member of Dalhousie's Marine &

Environmental Law Institute. He is a Rhodes Scholar graduate of Mount Allison University and has law degrees from the University of Oxford and the University of Toronto.

He teaches Public Law, Property Law, Administrative Law and Health Systems Law and Policy and is the winner of two Law School teaching awards. He also teaches environmental law at the University of Saskatchewan to PhD students in toxicology and public health through the NSERC-funded CREATE grant in Health and Environmental Risk Assessment, as well as to students in Dalhousie's undergraduate program in sustainability.

He has published in the fields of health law, administrative law, constitutional law, environmental law, and legal history. He is consulted on law and policy in health, energy, environment, natural resources and professional regulation. He is the founding Chair of the Board of Directors of Efficiency Nova Scotia Corporation and Chair of the Nova Scotia Health Research Foundation. He served as Deputy Minister of the Nova Scotia Department of Environment and Labour (2004–2007); Assistant Deputy Minister of the Nova Scotia Department of Health (1998–2001); Chief Counsel to the Canada/Nova Scotia Advisory Panel on off-shore revenue sharing (2008); Independent Reviewer (with Mr. Justice La Forest) of Nova Scotia's mental health legislation (2012–2013); and Panel Member (with Meinhard Doelle) on the development of a new regulatory framework for aquaculture in Nova Scotia.



Norman Letalik is a partner in the Toronto office of Borden Ladner Gervais LLP. Norm currently practices in the fields of product liability, class actions, maritime and shipping law. He is also a member of BLG's Team North. He is a litigation partner and

the National Leader of BLG's Auto Industry Focus Group. Norm is listed in Best Lawyers in Canada for product liability law and in Lexpert for maritime and shipping law. Norm is the past National Head of the following BLG focus groups: Product Liability, Information Technology, International and ADR. From 1996 to 1998, Norm was the Managing Partner of BLG's office in London, UK.

Prior to practicing law, Norm was a law professor at Dalhousie University (1980–86) and the National University of Singapore (1986–88). Norm has delivered numerous papers and presentations throughout the world, and has written more than 50 publications in many areas of law. Norm is currently an adjunct professor at the University of Toronto Law School, where he lectures in the Global Professional LL.M. Program. Norm is a team member of the CBA Futures Project, focusing on the future of legal education and training in Canada. Norm was called to the bar of Ontario in 1989 and was added to the rolls as a solicitor in England and Wales in 1998.



Kenneth A. MacInnis, QC, is a Halifax lawyer with expertise in marine oil pollution liability and compensation. He has made significant contributions nationally in Ottawa as the Administrator directing Canada's Ship-source Oil

Pollution Fund (1998–2006), and internationally as Head of the Canadian delegation, and otherwise, at sessions of the International Oil Pollution Compensation Funds in London.

Called to the Bars of British Columbia and Nova Scotia, he has considerable domestic and international experience, including having conducted a very active marine, environmental, community planning and fisheries law private practice. Mr. MacInnis has a history of volunteer leadership in political, education, legal and social services sectors.



Constance MacIntosh has been a faculty member with the Schulich School of Law, Dalhousie University, since 2002, and is an Associate Professor and the Director of Dalhousie's Health Law Institute. Prior to joining the law school, from 2000–2002

she was an Associate Lawyer at Mandell Pinder, a boutique firm which specializes in First Nation rights and resource management. From 1999 to 2000 she articulated at Faskens after receiving her JD from Osgoode Hall Law School where she was the Class Gold Medalist in 1999. Professor MacIntosh's research focuses on the public health interests of Indigenous communities, with an emphasis on factors such as water quality, housing and food. She has published extensively regarding how state law supports or impairs Indigenous peoples attaining appropriate living standards, and she was an Expert Member for the Council of Canadian Academies Panel on Food Security in Northern Aboriginal Communities, who released their report in 2013. She is currently an Expert Panel Member for Nova Scotia's Independent Review of Hydraulic Fracturing.



Ted L. McDorman is a Professor in the Faculty of Law at the University of Victoria in Victoria, British Columbia, Canada. Before joining the University of Victoria in 1985, Professor McDorman was at Dalhousie University in Halifax, Nova

Scotia with the Dalhousie Oceans Studies Program (DOSP). He has been a visiting professor at institutions in Thailand, Sweden, the Netherlands and Canada and has over 120 publications in the areas of ocean law and policy, international trade law and comparative constitutional law.

Since 2000, he has been the editor-in-chief of *Ocean Development and International Law*. He has undertaken projects for the Food and Agriculture Organization of the United Nations, including legislative drafting, conducting of workshops and report writing on fisheries and fisheries trade, and written reports on ocean law and policy matters for the governments of Canada, Quebec and British Columbia.

During 2002–2004 and 2011–2013, Professor McDorman was the “Academic-in-Residence” with the Bureau of Legal Affairs of the Department of Foreign Affairs and International Trade in Ottawa where he worked on a wide range of ocean law topics including have a small role in the process respecting Canada's ratification of the UN Convention on the Law of the Sea in 2003 and Canada's submission of information respecting the outer limits of the continental shelf to the Commission on the Limits of the Continental Shelf in late 2013.



Robert L. Miedema is a partner at Boyne Clarke LLP and practices Tax and Estate Planning, Corporate Law and Environmental Law. Rob also lectures frequently on various topics within his practice areas. Since January 2010, he has been part-time faculty

with the Schulich School of Law at Dalhousie University, teaching courses about business organizations and environmental law. In 2008 and 2009, he taught a graduate course in Dalhousie University's Faculty of Management. Rob sits on the Board of Directors of the Dartmouth General Hospital Charitable Foundation and maintains memberships in the Canadian Tax Foundation, the Canadian chapter of the Society of Trust & Estate Practitioners and the Canadian Bar Association. He is a former director of the East Coast Environmental Law Association.



Lisa Mitchell is a lawyer (Dalhousie, 1991) and principal of LJM Environmental Law. She has a Masters of Environmental Studies from the School for Resource and Environmental Studies (Dalhousie, 1994), and more than 15 years of

experience working in the areas of environmental law, policy and environmental management. Lisa's law practice is exclusively in the area of environmental law. She has developed a broad-ranging practice base that includes governments, non-government organizations, private-sector companies, community groups and individual clients. Her expertise in this area originated in the challenging field of agri-environmental law

and has expanded to include contaminated sites, environmental impact assessment, water regulation, professional and corporate environmental liability, coastal management and other areas. Lisa has provided advice and training on environmental legislation and policy in Nova Scotia, New Brunswick, Newfoundland and Labrador, Prince Edward Island, Ontario and federally. Lisa's interest in environmental law grew out of a childhood spent in the woods and this history continues to infuse her law practice on a daily basis. Over the past three years her practice has evolved to a primarily public interest practice providing legal advice and support to community groups, environmental and conservation organizations. Since 2011 she has served as the lawyer for the East Coast Environmental Law Association, an organization that seeks to use and improve the law in a manner that supports a clean and healthy environment for present and future generations.



A. William Moreira, QC, FCI Arb, is a partner in the Halifax, Nova Scotia office of Stewart McKelvey. He has practiced for more than 35 years in Admiralty and commercial litigation and public law litigation, appearing before all levels of court in

Nova Scotia, the Federal Court, the Federal Court of Appeal and the Supreme Court of Canada, as well as serving as counsel and as an arbitrator in domestic and international arbitrations. Will is former president (2005–2007) of the Canadian Maritime Law Association, former Chair of the Canadian Bar Association's national maritime law section, a titular member of Comité Maritime International, a Fellow of the Chartered Institute of Arbitrators, and former Chair of the Maritime and Energy Law Committee of the International Association of Defense Counsel. He is a part-time faculty member in the Marine & Environmental Law Institute of Dalhousie University's Schulich School of Law and a former Chair of the Mission to Seafarers, Halifax.



Susan J. Rolston is sole proprietor of Seawinds Consulting Services, providing research, writing, editing, indexing, and publication management and production services. Ms. Rolston's areas of special expertise include marine policy and

management, maritime security, the environment, and international affairs and development. She has held research and management positions with marine-related institutes and programs at Dalhousie University. Ms. Rolston has contributed to numerous marine science and marine policy publications. She is a co-editor, with Aldo Chircop, Norman Letalik and Ted L. McDorman, of *The Regulation of International Shipping: International and Comparative Perspectives, Essays in Tribute to Edgar Gold* (Martinus Nijhoff, 2012). She holds a BA (Hons.) from the University of Western Ontario and a M.A. from Dalhousie University, both in Political Science. Ms. Rolston is a Research Fellow of the Centre for Foreign Policy Studies, Dalhousie University, and Treasurer of the Bay of Fundy Ecosystem Partnership (BoFEP).



Wendell Sanford has been a career diplomat, international lawyer, and naval officer. Most recently at the Department of Foreign Affairs, Trade and Development he has been Canadian High Commissioner to Brunei and the first Canadian Representative

to the Government of Burma. In Ottawa he has served as Director of Oceans and Environmental Law and Director of Criminal, Diplomatic and Security Law. During his lengthy diplomatic career he has been involved in the negotiation of the UN High Seas Fisheries Convention, Western and Central Pacific Tuna Convention and NAFO reform process. With respect to Canadian Arctic Mr. Sanford held the lead in the legal aspects of extending the Arctic Waters Pollution Prevention Act to 200 nautical miles and the regulation which made compulsory reporting to NORDREG. He held the Foreign Affairs lead in developing the Canadian Extended Continental Shelf Submission for the first two years of the seven year process.

Prior to joining Canada's foreign ministry Mr. Sanford had an extensive naval reserve career including servicing as Staff Officer Naval Control

and Shipping at Maritime Command Headquarters in Halifax. Mr. Sanford holds degrees from Saint Mary's University (BA and BEd), Dalhousie (LLB) and Victoria University of Wellington, NZ (MPP).



Wylie Spicer, QC, is counsel in the Calgary office of Norton Rose Fulbright whose areas of practice are energy, shipping, Canadian North and Arctic transportation, and law of the sea. Wylie has many publications and teaches Maritime Law at

Dalhousie University. A former Managing Partner, he was chosen as one of the Top 50 CEO's in Atlantic Canada in 2006. He has an AV rating from Martindale-Hubbell and is recognized in many publications as a Leading Practitioner in Maritime Law in Canada. He has advised clients on all aspects of the Canadian Off-shore Industry for over 35 years. Wylie is past president of the Canadian Bar Association for Nova Scotia, a member of the law societies of Alberta, Nova Scotia and Newfoundland, the Canadian Maritime Law Association, and the International Bar Association. He also was recently appointed by the Province of Nova Scotia to the Board of Directors of the Art Gallery of Nova Scotia and is a past member of the Board of the Nova Scotia Hearing and Speech Foundation.



Ronda Vanderhoek is Acting Team Leader of the Regulatory Prosecutions Team in the Public Prosecution Service of Canada's Atlantic Regional Office in Halifax. She received her LLB from Dalhousie Law School in 1996 and was subsequently admitted to the

NS Bar in 1997. Before joining the PPSC in 2000, Ronda was a criminal defence counsel with the NS Legal Aid Commission. For 17 years Ronda has practiced exclusively in the areas of criminal and regulatory law. Over the years Ronda has been active in lecturing and providing legal training to federal officers/investigators, lawyers and the general public. Most recently she was a presenter at Dalhousie University, Continuing Technical Education: Environmental Inspections & Investigations course and the Canadian Institute of Research Law Environment in the Courtroom (II): Environmental Prosecutions.



Hugh R. Williamson is the lead investigator and project manager for the Dalhousie Marine Piracy Project, and an adjunct professor with a Marine Affairs Program at Dalhousie University in Halifax, Nova Scotia. He is a lawyer with a background

in law of the sea, ocean resources management, naval intelligence, maritime security, and enforcement and integrated maritime management issues. He is also a research associate of the Marine & Environmental Law Institute at the Schulich School of Law as well as the International Ocean Institute. He has consulted extensively on fisheries and ocean management in the South Pacific and Caribbean. In addition to Dalhousie University, he was on the faculty of the World Maritime University in Malmo, Sweden; the University of the South Pacific in Fiji (where he directed the ocean resources management program); and the University of Papua New Guinea Faculty of Law. He also had a lengthy career in the Royal Canadian Naval Reserve, where he served as a diving officer, naval intelligence officer, and naval control of shipping officer, commanding NCS Unit three. He lectured extensively in the Canadian naval fleet schools on the law of the sea, law of armed conflict, maritime law, and law of naval operations.



Gilbert Winham, Adjunct Professor of Law, teaches and conducts research in the area of international trade law and policy. Dr. Winham is a Professor Emeritus of Political Science, a fellow of the Royal Society of Canada and a past Woodrow Wilson

Fellow (2001–2002). He has served frequently on NAFTA dispute settlement panels. Dr. Winham has over twenty years' experience in training government officials from developing countries in trade policy and negotiation at the GATT/WTO in Geneva. He has served as an on-site consultant in connection with the application for accession to the WTO of Jordan and the Kyrgyz Republic. He previously served as Chair of the Board of Directors for the North-South Institute, Ottawa and was a Distinguished Visiting Professor for the Centre for International Studies, Munk Centre, University of Toronto (2004/05). He has taught the international trade law course that is recognized under the Marine & Environmental Law Program.

Honourary Fellows



Professor Emeritus William Charles, QC, formally a full-time member of the Faculty of Law and Dean (1979–85) is still active in the environmental area. Currently serving as special council to the Nova Scotia Law Reform Commission he

has been actively involved in the preparation of a Discussion Paper on Contaminated sites in Nova Scotia (March/09). Professor Charles taught environmental law at the Law School in the 90s and has had considerable experience with the Environmental Impact Assessment process in the last 15 years. This experience includes among other assignment serving as the Nova Scotia representative on a Joint Federal/Provincial Assessment Panel dealing with Remediation of the Sydney Tar Ponds (2006–2007), Chair of a Provincial assessment panel to evaluate strip mining (coal) in Stellarton, NS and Chair of an assessment panel to evaluate a proposal to construct an incinerator to burn garbage in the Metro/Halifax area. Prof Charles has also served as President of The Environmental Control Council (N.S./1993–95) and Chair of the Environmental Assessment Board (1995–98).



Brian Flemming CM, QC, DCL, is Counsel to the Atlantic Canada law firm of McInnes Cooper. He is a non-practicing member of the Nova Scotia bar and a former member of the Ontario bar. In recent years, as a Research Fellow of the Canadian Defence &

Foreign Affairs Institute in Calgary, Dr. Flemming has published articles on Arctic issues, the global war on terror, Canada-China relations in the Arctic, the war in Afghanistan and border security issues involving Canada and the U.S. He has also written papers for the School of Public Policy and the Van Horne Institute at the University of Calgary on national transportation issues.

Dr. Flemming was Assistant Principal Secretary to Prime Minister Pierre Trudeau from 1976 to 1979. After 9–11, the Canadian government made him the first CEO and chairman of the Canadian Air Transport Security Authority (CATSA), Canada’s principal public response to 9–11. In 2005, he was appointed to the federal Advisory Council on National Security. In 2000–1, Dr. Flemming chaired the Canada Transportation Act Review Panel, a statutorily-mandated review of Canada’s transport policies. The report of that Panel — “Vision and Balance” — caused Dr. Flemming to be given the national “Award of Achievement” in 2003.

In the mid-1960s, following graduate studies in England and the Netherlands, Dr. Flemming taught the first graduate course in public international law at Dalhousie’s Law School and wrote many peer-reviewed articles for learned publications and international conferences. He was a key figure in the establishment of the Dalhousie Ocean Studies Program (DOSP) in the 1970s. He was founding chairman of the International Centre for Ocean Development, a Crown Corporation headquartered in Halifax in the 1980s.

Dr. Flemming is a former member, vice chairman and interim chairman of the Canada Council and is a former director of the CBC. He is honorary chairman of the Dalhousie Law Alumni Association of Canada, having been its founding chairman in 1983. In 2010, he won the Weldon Award for Unselfish Public Service at Dalhousie’s Schulich School of Law. He is a former chairman of the Board of Governors at University of King’s College. He was the founding chairman of Symphony Nova Scotia and has been on the boards of many local, regional and national not-for-profit organizations. He was given an honorary degree by King’s in 1991 and, in 1989, was made a Member of the Order of Canada.



Professor Edgar Gold, CM, AM, QC, grew up and went to sea in Australia but settled in Halifax, Canada, in the early 1960s. He is a former senior partner with the law firm Ritch Durnford in Halifax, where he specialized in maritime, energy and environmental

law and international commercial law. He was appointed Queen's Counsel in 1995. He also served as the Honorary Consul of the Federal Republic of Germany for Nova Scotia and Prince Edward Island, 1986–1998. He is a former President of the Canadian Maritime Law Association and a Titulary Member of the Comité Maritime International. Dr. Gold is a Master Mariner (UK and Canada) and served at sea for 16 years, including several years in command. He was Professor of Law (1975-1994) and Professor of Resource and Environmental Studies (1986–1994) at Dalhousie University, Halifax. He is a founding member of Dalhousie Law School's Marine & Environmental Law Program (MELP).

Professor Gold was a founder and former Executive Director of the Dalhousie Oceans Studies Program (DOSP), and the International Institute for Transportation and Ocean Policy Studies (IITOPS), the predecessors of the International Oceans Institute of Canada. He was a member of the Canada-Nova Scotia Offshore Petroleum Board 1996–2003, and a member of the Roster of Experts of the Asian Development Bank, Manila, Philippines, 2001–2004. He is also a former Adjunct Professor and former Canadian Member of the Board of Governors of the World Maritime University, Malmö, Sweden, and a former member of the Governing Board of the IMO-International Maritime Law Institute, Malta. Until the end of 2010 he also held an appointment as Adjunct Professor at the T.C. Beirne School of Law, University of Queensland, Brisbane, Australia, where was involved with the School's Marine and Shipping Law Unit. Professor Gold has active experience in most regions of the world and has completed over 250 publications in the maritime law and policy field. He has received honorary degrees from the Canadian Coast Guard College (1992) and the World Maritime University (2007), and was awarded the Commander's Cross of the Order of Merit by the German Government in 1997; the Order of Canada (CM) in 1997, and the Order of Australia (AM) in 2005. In 2012, he was honoured

with the presentation of a 'Festschrift' entitled *The Regulation of International Shipping: International and Comparative Perspectives—Essays in Honour of Edgar Gold*. Professor Gold is now based in Brisbane, Queensland, Australia.



Professor Arthur J. Hanson, OC, is a Distinguished Fellow and former President of the International Institute for Sustainable Development (IISD). He was a Professor and Director of the School for Resource and Environmental Studies at Dalhousie University. Prior to that,

during the mid-1970s, he worked with the Ford Foundation in Indonesia. Dr. Hanson addresses environment and economy, biodiversity, oceans, and international development concerns globally, in Asia and in Canada. He was one of the founders of the Dalhousie Ocean Studies Program (DOSP) in the 1970s.

He has served on Canada's National Round Table on the Environment and Economy (NRTEE), as Canada's Ministerial Ocean Ambassador with the Department of Fisheries and Oceans, and in a number of other national advisory posts. He has initiated several major international development activities in Southeast Asia, and currently is a Member and Lead Expert of the China Council for International Cooperation on Environment and Development (CCICED). He is chairing a Working Party on Biotechnology, Sustainable Development and Canada's Future Economy for the Canadian Biotechnology Advisory Committee. Dr. Hanson is a member of the Canadian Foundation for Innovation (CFI), and a Mentor with the Trudeau Foundation. He is an Officer of the Order of Canada.



Professor Emeritus Hugh Kindred, who joined the Law School as a faculty member in 1971, continues to research and write in the fields of ocean transportation, overseas trade and international law, as well as to assist with the supervision and examination of LLM and PhD students.

He is a member of the bars of Nova Scotia and England and a past chair of the Carriage of Goods Committee of the Canadian Maritime Law Association. He was appointed Senior Legal Officer in the Shipping Division of the United Nations Conference on Trade and Development (UNCTAD) in Geneva for 1985–86, and he was the Director of the Marine & Environmental Law Program (MELP) at the Law School during 1996–97 and again in 2001. In 1998 he went as Visiting Professor of maritime law to the University of Sydney, Australia.

Hugh is a member of the editorial boards of the *Ocean Yearbook* and the *Canadian Yearbook of International Law*, and he serves as the coordinator of Canadian contributions to the Oxford Reports on International Law in Domestic Courts.

In addition to many articles and book chapters on maritime, commercial and international law, Professor Kindred has published *Marine Cargo Delays* (with Max Ganado), *Multimodal Transport Rules* (with Dr. Mary Brooks) and *Canadian Maritime Law* (with Drs. Edgar Gold and Aldo Chircop), which was co-winner of the Walter Owen Book Prize for 2003–05. In 2014, together with Phillip Saunders and Rob Currie, he produced the 8th edition of *International Law Chiefly as Interpreted and Applied in Canada*. Also in 2014 he completed a research project with Steve Coughlan, Rob Currie and Teresa Scassa with the publication of *Law Beyond Borders: Extraterritorial Jurisdiction in an Age of Globalization*.

In 2003, Hugh Kindred was honoured by the Canadian Association of Law teachers with its Award for Academic Excellence and in 2010 he was designated by Dalhousie University as Professor Emeritus.



Professor Emeritus Christian L. Wiktor was the Chief Law Librarian of the Sir James Dunn Law Library at Dalhousie Law School for 27 years. Before working at Dalhousie Law Library, he spent ten years in library positions at the New York

Public Library in Manhattan, and the State University of New York at Buffalo, Faculty of Law and Jurisprudence. In addition to his formal degrees he was a doctoral candidate

in international law at the University of Paris (Sorbonne), specializing in the law of treaties. He continued this interest in producing a number of research tools such as the collection of *Unperfected Treaties of the United States, 1776–1976*, and the *Canadian Treaty Calendar, 1928–1978*, both published by Oceana, and two new publications on treaties, *Multilateral Treaty Calendar 1648–1995*, and *Treaties Submitted to the U.S. Senate: Legislative History, 1989–2004*, published by Nijhoff in 1998 and 2006. In 2003, Professor Wiktor published the *Index to Canadian Treaties 1979–2003*. His previous training as a bibliographer at the New York Public Library caused him to produce the first *Canadian Bibliography of International Law* published by the University of Toronto Press in 1984. He was the founder and editor of the *Marine Affairs Bibliography*, a current comprehensive index of marine law and policy literature (Vols. 1–13, 1980–1992). Professor Wiktor published recently two essays in tribute to two outstanding international legal scholars and co-editors of remarkable publications, entitled: “The Publications of Ronald St. John Macdonald,” (1954–2006), published in the *Canadian Yearbook of International Law* (Vol. 44, pp. 479–502), and, with Ted L. McDorman, “The Publications of Douglas Millard Johnston,” (1960–2008), published in *The Future of Ocean Regime-Building*, edited by Aldo Chircop, et al., published by Nijhoff in 2009 (pp. 739–765).

Professor Wiktor was an associate of the Oceans Institute of Canada, and is now an honorary fellow of the Marine & Environmental Law Institute. He has been for many years, a member of the Board of Editors for the *Ocean Yearbook*. Professor Wiktor continued research on the history of U.S. treaty practice (from 1789) at the U.S. Senate Library in Washington, D.C., and as visitor at the University of South Carolina Law School annually since 2008, researching their excellent collection of U.S. legislative documents on line. Professor Wiktor is in the final stage of editing his major reference work on two hundred years of U.S. treaties, entitled *Treaties Submitted to the United States Senate; A Bicentennial Legislative History, 1789–1989*, to be published by Martinus Nijhoff Publishers.

Some of Our University Partners

Centre for Foreign Policy Studies



The Centre for Foreign Policy Studies is strategically located to act as a focal point to examine the critical issue of maritime security. The Centre's Maritime Security Program (MSPP) is one of three pillars of study at the Centre. It focuses on the importance of both global and national maritime security to Canada's sovereignty and prosperity. In addition to links with the Canadian Navy and other navies around the world, thinktanks, and policy-making bodies, the Centre publishes *Canadian Naval Review* (and *Broadsides*, its online discussion forum), hosts workshops and a seminar series, and is affiliated with the Institute for Ocean Research Enterprise, Dalhousie's Centre of Excellence on Ocean Research.

College of Sustainability



The College of Sustainability acts as a virtual and physical home for Dalhousie faculty, students and staff interested in all aspects of sustainability — socio-cultural, financial and environmental. The College's interdisciplinary approach and innovative ESS (Environment, Sustainability and Society) curriculum has been internationally recognized for excellence in sustainability education.

The European Union Centre of Excellence for European Studies



The European Union Centre of Excellence (EUCE) was established at Dalhousie in 2006. It is one of five Centres across Canada and part of a network around the globe.

The EUCE Associates conduct research on a range of topics pertaining to EU-Canada relations, comparative EU-Canada public policies, and EU policies more generally. As part of its research, the Centre targets pressing policy issues that affect both Europe and Canada. The Centre works closely with MELAW associates on issues of energy, especially offshore renewable energy. By comparing Europe and Canada, our goal is to highlight relevant lessons that the two partners across the Atlantic can learn from each other.

The Institute for Ocean Research Enterprise

Institute for OCEAN RESEARCH Enterprise



The Institute for Ocean Research Enterprise (IORE) is a groundbreaking collaborative marine research and innovation vehicle that brings together a number of partners from industry, government and the post-secondary education system. IORE, formally known as the Halifax Marine Research Institute, was officially launched on June 2, 2011.

International Ocean Institute — Canada



IOI-Canada (www.dal.ca/ioihfx) is a leading member of the International Ocean Institute's worldwide network of operational centres and focal points (www.ioinst.org). Established at Dalhousie University by Elisabeth Mann Borgese in 1979, it is a federally incorporated, not-for profit organization with a mission to promote responsible ocean governance and the stewardship and sustainable use of coastal and ocean resources in Canada and around the world. Its three main activities are education and training, collaborative research, and outreach.

Marine Affairs Program

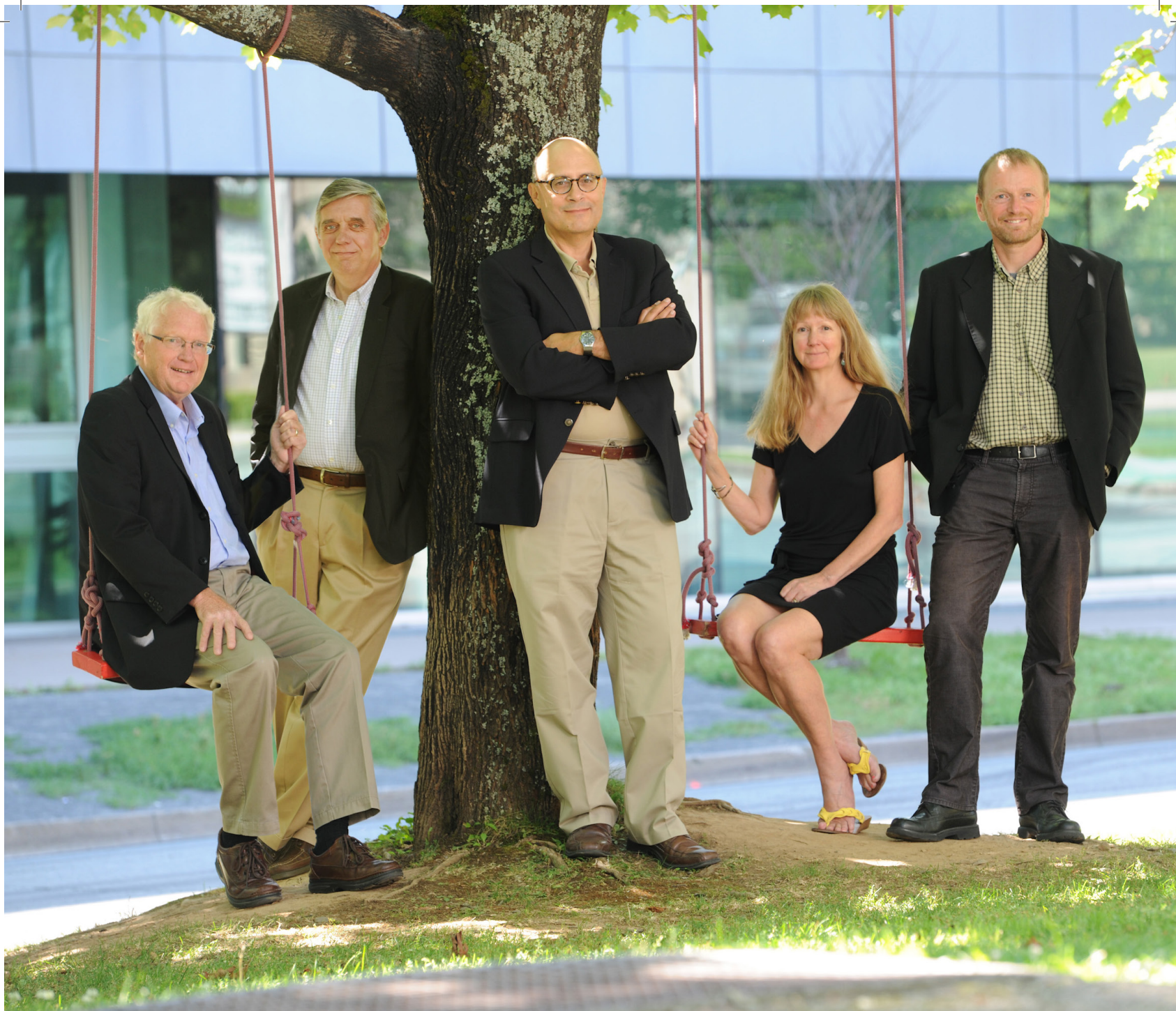


The Marine Affairs Program at Dalhousie University provides an inquiring and stimulating interdisciplinary learning environment to advance the sustainable use of the world's diverse coastal and ocean environments. MAP offers professional education at the graduate level for both current and aspiring ocean and coastal managers.

School for Resource and Environmental Studies



The School for Resource and Environmental Studies is the centre for scholarship in natural resource and environment at Dalhousie University and is a leading institution for environmental and resource management in Canada and abroad. The School offers two interdisciplinary graduate-level programs which emphasize rigorous inquiry and ethical practice as the foundation for responsible environmental and resource management in support of sustainable development. Through classes, internships and research, students gain a relevant, hands-on education that will position them to make real changes in the world.



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