



**10th Annual Colloquium
of the
IUCN Academy of Environmental Law**

**“Global Environmental Law
at a Crossroads”**

July 1-5, 2012

500 West Baltimore Street
Baltimore, MD

www.law.umaryland.edu/iucnael2012



Saturday, June 30, 2012

Pre-Colloquium Workshop #1:

**Ecosystem Services, Economic Valuation,
and Environmental Equity: Complementary or Contradictory**

8:00 – 8:30 a.m. Atrium/Krongard Room	Registration for Pre-Colloquium Workshop #1 (Atrium) Continental Breakfast (Krongard Room)
8:30 - 9:00 a.m. Ceremonial Court Room	Introduction
9:00 – 10:30 a.m. Ceremonial Court Room	<u>Valuing Ecosystem Services</u> Blaise-Pascal Ntirumenyerwa Mihigo (Ghent Univ., Belgium) <i>The Relationship of Ecosystem Services Valuation, Protection and Distribution with the Polluter-Pays Principle and the Provider-Gets Principle</i> Froukje Maria Platjouw (Univ. of Oslo, Norway) <i>Economic Value Judgments on Ecosystems: Challenges to the Realization of the Ecosystem Approach</i> Laurel Pentelow (Univ. of Ottawa, Canada) <i>The Connection Between Natural Capital Productivity and Intergenerational Equity: Focus on Ecosystem Services</i>
10:30 – 11:00 a.m. Atrium	Break
11:00 – 12:00 p.m. Ceremonial Court Room	<u>Payment for Ecosystem Services</u> Emmanuel Kasimbazi (Makerere Univ., Uganda) <i>Payment for Ecosystems Services: A Pathway for Environmental Conservation in Uganda</i> Solange Teles da Silva & Danielle de Ouro Mamed (State Univ. of Amazonas/Mackenzie Univ., Brazil) <i>Forests, Protected Areas and the Payment for Ecosystem Services: Reserva do Juma (State of Amazonas- Brazil)</i>
12:00 – 1:00 p.m. Krongard Room	Lunch
1:00 – 2:00 p.m. Ceremonial Court Room	<u>Ecosystem Services Markets</u> Paul Martin, Jacqueline Williams, & Amanda Kennedy (Univ. of New England, Australia) <i>The Emerging Institutional Risks from Widespread Adoption of an Ecosystem Services Market Approach to Environmental Governance</i> David Hodas (Widener Univ. School of Law, USA) <i>Law, Ecosystem Valuation and Risk Allocation</i>

Saturday, June 30, 2012 *cont'd*

2:00 – 2:30 p.m. Atrium	Break
2:30 – 3:30 p.m. Ceremonial Court Room	<p><u>Case Studies: Ecosystem Services in the European Union</u></p> <p>Leonie Reins (Germany) <i>Environmental Protection versus Energy Supply Security –The Shale Gas Case and Its Impacts on Ecosystem Services</i></p> <p>Nathalie Herve-Fournereau (Univ. of Rennes, IODE UMR 6262 CNRS, France) <i>Ecosystem Services and Sustainable Development: Creating an Integrated Governance Approach. Critical Reflections on the New European Strategy on Biodiversity.</i></p>
3:30 – 4:00 p.m. Ceremonial Court Room	Closing Remarks

Sunday, July 1, 2012

Pre-Colloquium Workshop #2:

Environmental Law Clinics

DAY ONE

8:00 – 8:30 a.m. Atrium/Krongard Room	Registration for Pre-Colloquium Workshop #2 (Atrium) Continental Breakfast (Krongard Room)
8:30 – 8:40 a.m. Ceremonial Court Room	<p>Introduction</p> <p>Robert V. Percival (Director, Environmental Law Program, Univ. of Maryland Carey Law, USA)</p> <p>Zoe Fullem (Global Environmental Justice Fellow, Macalester College, USA)</p>
8:40 – 9:50 a.m. Ceremonial Court Room	<p><u>Global Models of Environmental Law Clinics</u></p> <p>Maria Marquès i Banqué (Universitat Rovira i Virgili, Spain) William Amos (Univ. of Ottawa, Canada)</p>
9:50 – 11:00 a.m. Ceremonial Court Room	<p><u>Political Pressure, the Public Interest and Environmental Law Clinical Advocacy</u></p> <p>Jane F. Barrett (Univ. of Maryland Carey Law, USA) Robert Kuehn (Washington Univ., USA)</p>
11:30 – ?? Oriole Park at Camden Yards Bullpen Picnic Area	Informal Opening Reception & <i>Baltimore Orioles vs. Cleveland Indians</i> Baseball Game
4:00 – 6:00 p.m. Atrium	Pre-registration for Colloquium

Monday, July 2, 2012
DAY TWO

8:00 – 9:00 a.m. Atrium/Westminster Hall	Registration (Atrium) Continental Breakfast (Westminster Hall)
9:00 – 9:15 a.m. Westminster Hall	<u>Opening Greetings</u> Robert V. Percival (Director, Environmental Law Program, Univ. of Maryland Carey Law, USA) Alejandro Iza , (Director of IUCN Environmental Law Centre, Bonn, Germany) Rob Fowler , Chair (IUCN Academy of Environmental Law)
9:15 - 11:00 a.m. Westminster Hall	<u>Opening Plenary Session</u> <i>Chair: Robert V. Percival (Univ. of Maryland Carey Law, USA)</i> What Happened at Rio+20 and Where Do We Go from Here? Antonio Herman Benjamin (Justice, High Court of Brazil, STJ, and visiting Professor, Univ. of Texas School of Law) Amy Fraenkel (Regional Director, United Nations Environment Program) Scott Fulton (General Counsel, U.S. Environmental Protection Agency) Nicholas A. Robinson (Pace Univ., USA) Jacob Scherr (Natural Resources Defense Council, Washington, D.C.)
11:00 – 11:20 a.m. Westminster Hall	Group Photo Tea & Coffee
11:20 – 12:40 p.m.	Breakout Session 1: Environmental Governance (Various locations – see pages 8-10.)
12:40 – 1:30 p.m. Westminster Hall	Lunch
1:30 – 2:50 p.m.	Breakout Session 2: Theoretical Foundations of Environmental Law (Various locations – see pages 11-12.)
3:00 – 4:40 p.m.	Breakout Session 3: Biodiversity and Land Use (See pages 13-14.)
6:00 p.m. Downtown Baltimore	Optional University of Maryland Carey Law student-led walking tour of Inner Harbor en route to the National Aquarium Baltimore, beginning at Marriott Inner Harbor and Plaza Radisson Lord Baltimore hotels (Sign-up sheet at registration table.)
7:00 – 11:00 p.m. National Aquarium	<u>Keynote Address, Opening Dinner and Reception</u> Welcome from Joel D. Fedder (Of Counsel Fedder & Garten, P.A., USA) & Dean Phoebe Haddon (Univ. of Maryland Carey Law) Fedder Lecture: <i>Global Environmental Law at a Crossroads</i> by Professor Edith Brown Weiss (Georgetown Univ. Law Center, USA) Presentation of Prizes <ul style="list-style-type: none"> • IUCN Academy Scholarship Awards 2012 • Best Student Paper Award

Tuesday, July 3, 2012
DAY THREE

8:00 a.m. Westminster Hall	Continental Breakfast
8:30 – 10:15 a.m. Westminster Hall	<p><u>Plenary Session: Improving the Effectiveness of Environmental Law</u> Chair: Mike Walker (U.S. Environmental Protection Agency)</p> <p>Elizabeth Kirk (Univ. of Dundee, School of Law, UK) <i>Choosing New Paths at Regulatory Crossroads: Helping Regulatory Agencies to Respond to Change</i></p> <p>Joel Mintz (Nova Southeastern Univ., Shepard Broad Law Center, USA) <i>Lessons from the U.S. Experience with Environmental Enforcement</i></p> <p>Leroy Paddock (The George Washington Univ. Law School, USA) <i>Beyond Deterrence: Compliance and Enforcement in the Context of Sustainable Development</i></p> <p>Alex Wang (Berkeley Law, Univ. of California, USA) <i>The Search for Sustainable Legitimacy: Pollution Targets and Environmental Cadre Evaluation in China</i></p> <p>Steve Wolfson (EPA Office of General Counsel, International Environmental Law Practice Group, USA) <i>Promoting Strong Environmental Governance</i></p>
10:30 – 12:00 p.m.	Break-out Session 4: Environmental Enforcement Options and the Limits of the Law (Various locations – see pages 15-16.)
12:00 – 1:00 p.m. Westminster Hall	Lunch
1:00 – 2:30 p.m. Ceremonial Court Room (Overflow Room 107)	Annual Meeting of the IUCN Academy of Environmental Law
2:40 – 4:20 p.m.	Break-out Session 5: Sustainable Development (Various locations – see pages 17-19.)
5:00 – 7:00 p.m.	<p>IUCN AEL Committee Meetings</p> <ul style="list-style-type: none"> • Editorial Committee for the IUCN AEL e-Journal (Room 473) • Graduate Students Forum (Room 302) • Research Committee (Room 405) • Teaching and Capacity-Building Committee (Room 402)
7:00 – 8:00 p.m. Ceremonial Court Room	Environmental Law Film Presentations
8:00 – 10:00 p.m. Westminster Hall	<p>International Wine Tasting and Dessert</p> <p><i>Featuring a performance by:</i> Legally Sound, Univ. of Maryland Carey Law Student a Cappella Group</p>

Wednesday, July 4, 2012

DAY FOUR

8:00 - 8:30 a.m. Westminster Hall	Continental Breakfast
8:30 – 10:15 a.m. Westminster Hall	<p><u>Plenary Session: Access to Information and Public Participation</u> <i>A special plenary session in honor of Svitlana Kravchenko.</i></p> <p>Chair & Presenter: John Bonine (Univ. of Oregon Law School, USA)</p> <p>Jan H. Jans (Univ. of Groningen, Netherlands) <i>Judicial Dialogue, Judicial Competition, Global Environmental Law and the Aarhus Convention on Access to Information, Public Participation and Access to Justice</i></p> <p>Geoffrey Johnson, Oscar Cevele & Isis Marquez (Organization of American States, Dept. of Sustainable Development, USA) <i>Approaches for Improving Environmental Governance: Institutional structures, policies, and procedures to facilitate public participation in sustainable development initiatives</i></p>
10:15 – 12:00 p.m.	Breakout Session 6: Climate Change, Energy, Environmental Security and Diplomacy (Various locations – see pages 20-22.)
12:15 – 1:15 p.m. Westminster Hall	Lunch
1:15 – 2:45 p.m.	Breakout Session 7: Multidisciplinary Approaches to Environmental Law: Science, Economics and Bridging the Discipline Gap (Various locations – see pages 23-24.)
3:00 – 5:15 p.m. Ceremonial Court Room (Overflow Room 107)	<p><u>Closing Plenary Session: Summary of Colloquium Themes</u></p> <p>Speakers to be selected during the Colloquium</p> <p>Preview of 2013 Colloquium by its hosts: Trevor Daya-Winterbottom (Univ. of Waikato), Dr. Amanda Kennedy (Univ. of New England) & Prof. Paul Martin (Univ. of New England)</p> <p>Farewell by Conference Organizing Committee</p>
7:00 – 11:00 p.m. Spirit Cruises at Harborplace (The dock is near the Baltimore Visitors' Center on Light Street.)	Dinner Cruise, Independence Day Fireworks Display & A Taste of Baltimore's Famous Crabs Boat departs promptly at 7:30pm.

Thursday, July 5, 2012

DAY FIVE

8:00 a.m. Atrium	Buses depart from the Law School for field trip to the Patuxent Research Refuge in the morning and then will continue on to the World Bank in the afternoon.
9:00 a.m. – 12:00 p.m. Patuxent Research Refuge 10901 Scarlet Tanager Loop, Laurel, MD	Field trip activities at the Patuxent Research Refuge located in Laurel, Maryland
12:30 p.m. Patuxent Research Refuge 10901 Scarlet Tanager Loop, Laurel, MD	Buses depart from the Patuxent Research Refuge to the World Bank in Washington, D.C. <i>Boxed Lunches will be distributed on the bus.</i>
2:00 – 5:30 p.m. World Bank Preston Auditorium 1818 H Street, NW Washington, DC	<u>Special Post-Colloquium Program: Environmental Justice, Access to Information and Public Participation – in memory of Svitlana Kravchenko</u> Keynote Speaker: Ignacia S. Moreno (Assistant Attorney General, U.S. Department of Justice Environment and Natural Resources Division) Other speakers: Kulsum Ahmed (Sector Manager, World Bank) Antonio Herman Benjamin (Justice, High Court of Brazil, STJ, and visiting Professor, Univ. of Texas School of Law) John Bonine (Professor, Univ. of Oregon Law School, USA) Lalanath Da Silva (Director, The Access Initiative) Leslie Fields, Esq. (Director of Environmental Justice & Community Programs, Sierra Club) Robert V. Percival (Univ. of Maryland Carey Law, USA)
5:30 p.m. World Bank, DC	Buses depart from the World Bank en route to Dulles Airport, and/or BWI/Law School.

BREAKOUT SESSIONS

Breakout Session 1: Environmental Governance

Monday, July 2nd, 11:20 a.m. – 12:40 p.m.

<p>Panel 1A Ceremonial Court Room</p>	<p><u>Global Environmental Law at a Crossroads</u> <i>Chair: Willemien du Plessis (North-West Univ., South Africa)</i></p> <p>Anel du Plessis (North-West Univ., South Africa) <i>Moving the Brown Agenda Forward: From Corporate Environmental Governance to Government Governance at the Local Level</i></p> <p>Louis Kotze (North-West Univ., South Africa) <i>The Emergence of Global Environmental Governance Law</i></p> <p>Andrew Long (Florida Coastal School of Law, USA) <i>Linkage in 21st Century Global Environmental Governance</i></p> <p>Zhao Huiyu (Shanghai Jiaotong Univ., School of Law, China) <i>The Compliance Paths of China Energy Conservation</i></p>
<p>Panel 1B Room 107</p>	<p><u>Surveying the Field: Environmental Governance Regional Developments</u> <i>Chair: Michael Kidd (Univ. of KwaZulu-Natal, College of Law and Management Studies, South Africa)</i></p> <p>Jose Augusto Fontoura Costa, Solange Teles da Silva & Fernanda Sola (São Paulo Univ. and State Univ. of Amazonas, Brazil) <i>Governance and Amazon Cooperation Treaty Organization</i></p> <p>José Juan Gonzalez Marquez (Universidad Autonoma Metropolitana, Mexico) <i>Implementation of Rio Principles into Latin American Environmental Laws</i></p> <p>Seyed Mohammed Mehdi Hosseini (Vermont Law School, USA) <i>Middle East Environmental Law Initiative</i></p> <p>Willem Daniël Lubbe (North-West Univ., South Africa) <i>Rethinking law to reach a collective consensus-based approach - the case for principles in the African Union</i></p> <p>Douglas Tookey (Willamette Univ. College of Law, USA) <i>Environmental Governance in Central Asia: Strategies for Success after Rio+20</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 1: Environmental Governance *cont'd*

Monday, July 2nd, 11:20 a.m. – 12:40 p.m.

<p>Panel 1C Room 108</p>	<p><u>The Legitimacy of Environmental Governance</u> <i>Chair: John Dernbach (Widener Univ. School of Law, USA)</i></p> <p>Nicky Broeckhoven (Ghent Univ., Belgium) <i>Gender and the Rio Conventions: Is the road getting less bumpy?</i></p> <p>Nils Goeteyn (Ghent Univ., Belgium) <i>Legal challenges in the Creation of a World Environmental Organization</i></p> <p>Li Zhi Ping (Law School of Sun Yat-Sen Univ., China) <i>The Main Track of the Development of Environmental Framework Law: From the Conference on the Human Environment to the Conference on Environment and Development</i></p>
<p>Panel 1D Room 205</p>	<p><u>Governing Water Supplies</u> <i>Chair: Joanna Goger</i> <i>(Univ. of Maryland College Park, Environmental Science and Policy Program, USA)</i></p> <p>Rebecca Bates (Brunel Law School, UK) <i>Green Water: Can Rio+20 succeed where others have failed?</i></p> <p>Nicola Lugaresi (Univ. of Trento School of Law, Italy) <i>Levels and limits of sustainable development, from principles to legislation: the water sector</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 1: Environmental Governance *cont'd*

Monday, July 2nd, 11:20 a.m. – 12:40 p.m.

Panel 1E
Room 302

Marine Governance

Chair: Mike Pappas (Univ. of Maryland Carey Law, USA)

Elizabeth Kirk (Univ. of Dundee, School of Law, UK)

Meeting at the crossroads: Engaging New Actors in the Development of Marine Environmental Governance

Nengye Liu (Ghent Univ., Belgium)

Law in the Book and Law in Practice: Criminal Liability over Vessel-Source Marine Pollution in China

Nilufer Oral (Istanbul Bilgi Univ., Turkey)

The UNEP Regional Seas Program: Bridging the Governance Gap

Yu Ming

(Ocean Univ. in China, School of Law & Political Science, China)

Strengthening Regional Ocean Governance to Protect the Marine Environment: A Case Study of the Yellow Sea Large Marine Ecosystem Project

BREAKOUT SESSIONS *cont'd*

Breakout Session 2: Theoretical Foundations of Environmental Law

Monday, July 2nd, 1:30 p.m. – 2:50 p.m.

Panel 2A Room 107	<p><u>The Precautionary Principle and the Environmental Ethic</u> <i>Chair: Sophie Riley (Univ. of Technology Sydney, Australia)</i></p> <p>Ngozi Stewart (Univ. of Leicester, UK) <i>Achieving Sustainable Development through Anthropocentric Laws: A Feigned Commitment to Posterity?</i></p> <p>Nicola Wheen (Univ. of Otago, New Zealand) <i>Fishing-Related Mortality, the Precautionary Principle and the Law in New Zealand</i></p>
Panel 2B Ceremonial Court Room	<p><u>The Rights of Nature: Constitutional Environmental Law</u> <i>Chair: Mark Graber (Univ. of Maryland Carey Law, USA)</i></p> <p>Erin Daly (Widener Univ. School of Law, USA) <i>Water Rights in Domestic Constitutions – Vindicating Environmental Rights: Constitutional Protection for Present & Future Generations</i></p> <p>Jordi Jaria i Manzano (Universitat Rovira i Virgili, Spain) <i>Rights of Nature in Ecuador: Change of Paradigm or Constitutional Rhetoric</i></p> <p>James May (Widener Univ. School of Law, USA) <i>Procedural Rights in Domestic Constitutions – Vindicating Environmental Rights: Constitutional Protection for Present & Future Generations</i></p> <p>Albert Mumma (Univ. of Nairobi, Kenya) <i>The Constitutional Petition as a Mechanism for Promoting Sustainable Development</i></p>
Panel 2C Room 108	<p><u>Sustainable Development as a Normative Concept</u> <i>Chair: Trevor Daya-Winterbottom (Univ. of Waikato, New Zealand)</i></p> <p>Sabrina Alzais (Univ. of Ottawa, Canada) <i>Sustainability through the lens of principles of international environmental law</i></p> <p>Sholam Blustein (Queensland Univ. of Technology, Australia) <i>Towards a right to sustainable energy: The contribution of human dignity to the promotion of sustainable development</i></p> <p>John Dernbach (Widener Univ. School of Law, USA) <i>Acting as if Tomorrow Matters: Accelerating the Transition to Sustainability</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 2: Theoretical Foundations of Environmental Law *cont'd*

Monday, July 2nd, 1:30 p.m. – 2:50 p.m.

<p>Panel 2D Room 205</p>	<p><u>Intellectual Foundations of Environmental Law</u> <i>Chair: Paul Martin (Univ. of New England, Australia)</i></p> <p>Tracy Hester (Univ. of Houston Law Center, USA) <i>Is U.S. Environmental Law Ready for a Restatement?</i></p> <p>Elaine Hsiao (Univ. of British Columbia, Canada) <i>Antigone in the Anthropocene: from neoliberalism to a new conservation ethic</i></p> <p>Ricardo Libel Waldman (Centro Universitário Ritter dos Reis - Laureate International Universities and Pontifical Catholic Univ. of Rio Grande do Sul, Brazil) <i>Otherness, Justice, and Jus gentium: The legally binding value of the Earth Charter for the Protection of Human Rights</i></p>
<p>Panel 2E Room 302</p>	<p><u>The Expansion of Human Rights to Water, Sanitation, and Health Protection</u> <i>Chair: Barbara Olshansky (Univ. of Maryland Carey Law, USA)</i></p> <p>Jimena Murillo Chavarro (Ghent Univ., Belgium) <i>Can the Protection of the right to a healthy environment contribute to the implementation of the right to access water and sanitation? The case of Colombia</i></p> <p>Loretta Feris (Univ. of Cape Town, South Africa) <i>The Emerging Right to Sanitation: A Socio-Economic or Environmental Right?</i></p> <p>William Onzivu (Bradford Univ. Law School, UK) <i>Re-Conceiving Health Protection in Environmental Regulation</i></p> <p>Michael Kidd (Univ. of KwaZulu-Natal, School of Law, South Africa) <i>Rio+20 and the right to water: A South African Perspective</i></p>
<p>Panel 2F Room 460</p>	<p><u>Indigenous Rights and Environmental Protection</u> <i>Chair: Ben Richardson (Univ. of British Columbia, Canada)</i></p> <p>Jacqueline Hand (Univ. of Detroit Mercy, USA) <i>The Duty to Consult on Natural Resources: Giving Substance to Procedural Rights</i></p> <p>Natalie Stoianoff (Univ. of Technology Sydney, Australia) <i>Indigenous Knowledge and Environmental Management: An Australian Case Study</i></p> <p>Nawneet Vibhaw (National Law Univ., India) <i>Protecting the Environment through Protection of the Rights of the Indigenous</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 3: Biodiversity and Land Use

Monday, July 2nd, 3:00 p.m. – 4:40 p.m.

<p>Panel 3A Room 107</p>	<p><u>A Comparative Analysis for Maintaining Biodiversity</u> <i>Chair: Shawkat Alam (Macquarie Law School, Australia)</i></p> <p>Trevor Daya-Winterbottom (Univ. of Waikato, New Zealand) <i>Sustainable Management: a sustainable ethic?</i></p> <p>Miao He (Ghent Univ., Belgium) <i>Sustainable Development through a rights based approach to conserve protected areas in China</i></p> <p>Eliamani Laltaika (Tumaini Univ. at Iringa, Tanzania) <i>The Nagoya Protocol on Access and Benefit Sharing in Genetic Resources and Biodiversity Conservation in Africa</i></p> <p>Jacqueline Williams, Amanda Kennedy & Donna Craig (Univ. of New England, Australia) <i>Lost in Translation: Threatened Species in Australia</i></p>
<p>Panel 3B Room 108</p>	<p><u>Deforestation and Biodiversity Conservation</u> <i>Chair: José Juan Gonzalez Marquez (Universidad Autonoma Metropolitana, Mexico)</i></p> <p>Mathilde Boutonnet (Aix-Marseille Univ., France) <i>The Value(s) of Biodiversity</i></p> <p>Blaise-Pascal Ntirumenyerwa Mihigo (Ghent Univ., Belgium) <i>Curbing Deforestation in the Congo Basin with the polluter pays principle, the provider gets principle and the REDD+ mechanism</i></p> <p>Sophie Riley (Univ. of Technology Sydney, Australia) <i>Rio + 20: What Difference has two decades made to state practice in the regulation of invasive species</i></p> <p>M.R. Andri Wibisana, Tiza Mafira & M. Ajisatria Suleiman (Univ. of Indonesia, Indonesia) <i>A Critical Note on Indonesia's Response to REDD+ Initiatives</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 3: Biodiversity and Land Use *cont'd*

Monday, July 2nd, 3:00 p.m. – 4:40 p.m.

<p>Panel 3C Room 205</p>	<p><u>Legal and Ecological Challenges to Protecting and Restoring Biological Diversity</u> <i>Chair: Lori Schectel (Natural Resources & Lands Management Division Water Enterprise, USA)</i></p> <p>An Cliquet (Ghent Univ., Belgium) <i>Is Environmental Law Ready for New Ecological Restoration Concepts?</i></p> <p>Alexander Paterson (Univ. of Cape Town, South Africa) <i>Facilitating Inclusive, Participatory and Human Centered Legal Approaches to Conservation – Lessons from the Dwesa-Cwebe Nature Reserve</i></p> <p>Froukje Maria Platjouw (Univ. of Oslo, Norway) <i>Conserving our ecosystems: The Need to Recognize a Coherent Legal System as an Important Element of the Ecosystem Approach</i></p> <p>Solange Teles da Silva & Fernanda Salgueiro Borges (MacKenzie Univ., Brazil) <i>Protected Areas in Amazon Region: transfrontier parks, the challenges of environmental, social, and cultural diversity protection</i></p>
<p>Panel 3D Room 302</p>	<p><u>The Future of City Land Use and its Effects on Sustainable Development</u> <i>Chair: Robert Kibugi (Univ. of Nairobi, Kenya)</i></p> <p>Paul Kibel (Golden Gate Univ. School of Law, USA) <i>A Remedy for Fragmented Urban Open Space – the Hannover Principles on Land Use</i></p> <p>Lin Heng Lye (Asia-Pacific Centre for Environmental Law [APCEL], National Univ. of Singapore, Singapore) <i>Environmental Law, Governance, and Management – the need for Environmental Management Systems for Cities</i></p> <p>Hendrik Schoukens (Ghent Univ., Belgium) <i>The Integration of European Air Quality Standards in Spatial Planning: New avenues for more sustainable urban planning?</i></p>
<p>Panel 3E Ceremonial Court Room</p>	<p><u>Water and Watershed Protection – Case Studies</u> <i>Chair: Nicholas A. Robinson (Pace Univ., USA)</i></p> <p>Jamie Benidickson (Univ. of Ottawa, Canada) <i>Canadian Experience with Watershed Protection and Governance</i></p> <p>Itzchak Kornfeld (The Hebrew Univ. of Jerusalem, Israel) <i>Dam(n)ing Rivers and the Destruction of Watersheds</i></p> <p>Tiina Korvela (Univ. of Helsinki, Finland) <i>Variations on a Theme: Ways to Tackle Diffuse Water Pollution on the Basis of Lessons Learned</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 4: Environmental Enforcement Options and the Limits of the Law

Tuesday, July 3rd, 10:30 a.m. – 12:00 p.m.

<p>Panel 4A Room 107</p>	<p><u>The ICJ, the Judiciary and the Environment</u> <i>Chair: Ben Richardson (Univ. of British Columbia, Canada)</i></p> <p>Afshin Akhtarkhvari (Griffith Univ., Australia) <i>The Idea of Nature in International Dispute Settlement: A comparative study of the Danube Dam and Pulp Mills Cases in the ICJ</i></p> <p>Dejin Gu (Law School of Sun Yat-sen Univ., China) <i>Function and Framework of Procedure for Emerging Environmental Litigation in China</i></p> <p>Morgan McDonald (Univ. of British Columbia, Canada) <i>The U.S. Federal Courts' Pragmatic Approach: Shaping their role in climate reform through procedural tools</i></p>
<p>Panel 4B Room 108</p>	<p><u>International Cooperation with Transboundary and Marine Pollution</u> <i>Chair: Nilufer Oral (Istanbul Bilgi Univ., Turkey)</i></p> <p>Maurício Duarte dos Santos (Monte Serrat Univ. Center, Brazil) with Carolina Dutra <i>Global Environmental Law post-2012: Exploring some lessons from Disaster and Energy Law</i></p> <p>Irina Krasnova (Moscow State Academy of Law, Russia) <i>The Arctic Crossroad: Environmental Challenges for Russia</i></p> <p>Koh Kheng-Lian (Asia-Pacific Centre for Environmental Law, National Univ. of Singapore, Singapore) <i>New and Emerging Transnational/ Transboundary Environmental Challenges: At Crossroads between International Law /Relations and Environmental Law: The ASEAN Discourse</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 4: Environmental Enforcement Options and the Limits of the Law *cont'd*

Tuesday, July 3rd, 10:30 a.m. – 12:00 p.m.

<p>Panel 4C Room 205</p>	<p><u>The Limits of Law in Environmental Protection</u> <i>Chair: Nathalie Chalifour (Univ. of Ottawa, Canada)</i></p> <p>Natalya Geyt (Russian Presidential Academy of National Economy and Public Administration, Russia) <i>The Environmental Safety as the Base of Sustainable Development of Civilization</i></p> <p>M. Luiza M. Granziera & Vladimir Garcia Magalhães (Catholic Univ. of Santos, Brazil) <i>The Protection of Brazilian Forests and the Effectiveness of International Global Law</i></p> <p>Linda Malone (William and Mary Law School, USA) <i>Environmental Security and the Responsibility to Protect</i></p> <p>Wang Xi (Shanghai Jiaotong Univ., School of Law, China) <i>On the Legal Protection of Interactions between Parties of Environmental Protection</i></p>
<p>Panel 4D Ceremonial Court Room</p>	<p><u>Public Participation in Environmental Governance</u> <i>Chair: Leroy Paddock (The George Washington Univ. Law School, USA)</i></p> <p>Carla Aceves-Avila (Univ. of Guadalajara, Mexico) <i>Governance and environmental democracy: a global policy</i></p> <p>Habib Ahmed Djiga (Universite de Ouaga 2, Burkina Faso) <i>The Contribution of Local Conventions to the Effectiveness of Environmental Law in Burkina Faso</i></p> <p>Zhao Yuhong (The Chinese Univ. of Hong Kong, SAR of the People's Republic of China) <i>Environmental NGOs and Sustainable Development in China – Twenty Years after the Rio Conference</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 5: Sustainable Development

Tuesday, July 3rd, 2:40 p.m. – 4:20 p.m.

<p>Panel 5A Room 107</p>	<p><u>Sustainable Development Case Studies</u> <i>Chair: Kathleen Dachille (Univ. of Maryland Carey Law, USA)</i></p> <p>Shawkat Alam (Macquarie Law School, Australia) <i>Integrating Sustainable Development into Bilateral Trade Agreements</i></p> <p>Bradford Morse (Univ. of Waikato, New Zealand) <i>Co-Management of Natural Resources by Indigenous People and States: A Method to Promote Environmental Justice and Sustainability</i></p> <p>Tumai Murombo (Univ. of the Witwatersrand, South Africa) <i>Environmental Protection and Sustainable Development in Developing Countries post-Rio</i></p> <p>Camille Parrod (Univ. of Ottawa, Canada) <i>The Clean Development Mechanism and Sustainability: Case Studies from Chile and Bolivia</i></p>
<p>Panel 5B Room 460</p>	<p><u>Sustainable Development: Fisheries and Ocean Resources</u> <i>Chair: Sarah Widman (Maryland Department of Natural Resources Fisheries Service, USA)</i></p> <p>David Warren Freedman (Univ. of KwaZulu-Natal, South Africa) <i>Integrated Coastal Zone Management: An Examination of Key Provisions to the Amended Nairobi Convention and Mediterranean ICZM Protocol</i></p> <p>Qin He (Ghent Univ., Belgium) <i>Impacts of the EU IUU Regulation on China's Fisheries Laws</i></p> <p>Julien Rochette (Institute for Sustainable Development and International Relations, France) <i>ICZM Protocols to Regional Seas Conventions: The wonder drug for coastal sustainable development?</i></p> <p>Anastasia Telesetsky (Univ. of Idaho, USA) <i>Rio + 20, Agenda 21, and Progress Towards Ocean Protection</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 5: Sustainable Development *cont'd*

Tuesday, July 3rd, 2:40 p.m. – 4:20 p.m.

<p>Panel 5C Ceremonial Court Room</p>	<p><u>Renewable Energy and Sustainable Development</u> Chair: Andrew Gohn <i>(Wind Energy Program Management, Maryland Energy Administration, USA)</i></p> <p>David Beugelmans (Univ. of Maryland Carey Law, USA) <i>Comparing U.S. and German Policies to Promote Distributed Solar PV Growth: The Triumph of the Feed-in Tariff</i></p> <p>Mar Campins Eritja (Univ. of Barcelona & CEDAT, Spain) <i>What role for renewable energy in international law?</i></p> <p>Rob Fowler (Law School, Univ. of South Australia, Australia) <i>Addressing the Challenge of Sustainable Development: The Need for a Global Clean Energy Treaty</i></p> <p>David Hodas (Widener Univ. School of Law, USA) <i>A Global Law of Sustainable Energy</i></p>
<p>Panel 5D Room 205</p>	<p><u>Sustainable Food Production and Food Security</u> Chair: Loretta Feris (Univ. of Cape Town, South Africa)</p> <p>Rafael Gonzalez Ballar (Univ. of Costa Rica, Costa Rica) <i>Recommendations on mitigation and adaptation in agriculture and food security in Central America</i></p> <p>Mekete Bekele Tekle (Addis Ababa Univ., Ethiopia) <i>Land Grabbing and Food Security in Ethiopia: The Dilemmas of Sustainable Development</i></p> <p>Robert Kibugi (Univ. of Nairobi, Kenya) <i>Applying the law to advance sustainability: Making the case for a mechanism on payment for ecosystem services for sustainable agriculture in Kenya</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 5: Sustainable Development *cont'd*

Tuesday, July 3rd, 2:40 p.m. – 4:20 p.m.

<p>Panel 5E Room 108</p>	<p><u>The Evolution of Sustainable Development and Climate Change Law</u> <i>Chair: Solange Teles da Silva (MacKenzie Univ., Brazil)</i></p> <p>Carla Aceves-Avila (Univ. of Guadalajara, Mexico) <i>Using law to advance sustainability: the law of sustainable development</i></p> <p>Tanzim Afroz (Macquarie Law School, Australia) <i>Sustainable Development and Climate Change: Challenges and Opportunities for International Law</i></p> <p>Haifeng Deng (Tsinghua Univ., China) <i>Legislation and Legal Liability of Climate Change in China</i></p> <p>Nicholas A. Robinson (Pace Univ., USA) <i>Adapting to Earth's Anthropocene Epoch: the Evolution of Environmental Law</i></p>
<p>Panel 5F Room 302</p>	<p><u>Environmental Justice and Energy Development</u> <i>Chair: Bruce Rich (Visiting Scholar, Environmental Law Institute, USA)</i></p> <p>Rhuks Ako (Univ. of Hull, England) <i>Environmental Justice in Nigeria's Oil Industry: Recognizing and Embracing Contemporary Legal Developments</i></p> <p>Nathalie Chalifour (Univ. of Ottawa, Canada) <i>Environmental Justice and the Green Economy – Risks and Opportunities</i></p> <p>Tumai Murombo (Univ. of the Witwatersrand, South Africa) & Willemien du Plessis (North-West Univ., South Africa) <i>Energy Efficiency: New Strategies for Improving South African Energy Laws</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 6: Climate Change, Energy, Environmental Security and Diplomacy

Wednesday, July 4th, 10:15 a.m. – 12:00 p.m.

<p>Panel 6A Ceremonial Court Room</p>	<p><u>Environmental Law Diplomacy and Climate Change</u> Chair: Jan H. Jans (Univ. of Groningen, Netherlands)</p> <p>Elizabeth “Betsy” Burleson (Pace Univ., USA) <i>Taking Stock of the Global Climate Consensus Reached in Durban</i></p> <p>Rene Lefeber (Univ. of Amsterdam, Netherlands) & Amy Hindman (Ipsifendus Legal Consulting, Netherlands) <i>The Limits to Consensus-Based Decision-Making</i></p> <p>Tumai Murombo (Univ. of the Witwatersrand, South Africa) <i>The Climate Change COP 17 debacle: Is this the beginning of the failure of international environmental diplomacy?</i></p> <p>Ann Powers (Pace Univ., USA) <i>Teaching the Art of Environmental Diplomacy</i></p>
<p>Panel 6B Room 107</p>	<p><u>Climate Change Adaptation</u> Chair: Joel D. Fedder (Of Counsel Fedder & Garten, P.A., USA)</p> <p>Nicole de Moor (Ghent Univ., Belgium) <i>International Environmental Law and Migration</i></p> <p>Emmanuel Kasimbazi (Makerere Univ., Uganda) <i>Emerging Legal and Policy Strategies for Climate Change Adaptation: Opportunities and Constraints for Action in Africa</i></p> <p>Michelle van der Walt (North-West Univ., South Africa) <i>Greening the AU economy – adapting to climate change along a low carbon development pathway</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 6: Climate Change, Energy, Environmental Security and Diplomacy *cont'd*

Wednesday, July 4th, 10:15 a.m. – 12:00 p.m.

Panel 6C
Room 108

The Economics of Climate Change Regulation

Chair: Rob Fowler (Law School, Univ. of South Australia, Australia)

Karen Bubna-Litic (Univ. of South Australia, Australia)

Australia's brand new clean energy legislation package - How can it reduce emissions?

Ping Chen (Ghent Univ., Belgium)

Cap and Trade vs. Carbon Tax: One size fits all solution in China?

Kars J. de Graaf (Univ. of Groningen, Netherlands)

CO2 Emissions Trading and Emission Limit Values: Is EU Environmental Law restricting member states to act against climate change?

Lorenzo Schiano di Pepe (Univ. of Genoa, Italy)

EU Climate Law & Practice at the end of the Kyoto era: Unilateralism, Extraterritoriality and the Future of Global Climate Change Governance

Panel 6D
Room 205

Sustainable Development: Biofuels

Chair: Yves Le Bouthillier (Univ. of Ottawa, Canada)

Helle Tegner Anker & Birgitte Egelund Olsen
(Copenhagen Univ., Denmark)

Legal challenges in promoting sustainability – the bioenergy case

Pierre Cloutier de Repentigny (Univ. of British Columbia, Canada)

The Principle of Integration 20 Years After Rio: EU Environmental Governance and the Case of Biofuels

Lei Guo (Ghent Univ., Belgium)

On the improvement of Bioenergy Law in China

Paul Martin & Elodie LeGal (Univ. of New England, Australia)

Biofuels Governance: Insufficient Legal Instruments or Innovative International Governance System?

BREAKOUT SESSIONS *cont'd*

Breakout Session 6: Climate Change, Energy, Environmental Security and Diplomacy *cont'd*

Wednesday, July 4th, 10:15 a.m. – 12:00 p.m.

Panel 6E
Room 302

Energy Development Policy

Chair: David Hodas (*Widener Univ. School of Law, USA*)

Melissa Powers (*Lewis & Clark Law School, USA*)

The Fallacy of an All-of-the-Above Energy Policy

Julien Rochette & Lucien Chabason

(*Institute for Sustainable Development and International Relations, France*)

Strengthening the regulation of off shore oil exploitation

Svitlana Romanko

(*Prykarpatsky National Univ. after Vasyl Stefanyk, Ukraine*)

Shale Gas Development in Ukraine: Global context of the problem and prospect of regulation

BREAKOUT SESSIONS *cont'd*

Breakout Session 7: Multidisciplinary Approaches to Environmental Law: Science, Economics and Bridging the Discipline Gap

Wednesday, July 4th, 1:15 p.m. – 2:45 p.m.

Panel 7A Room 302	<p><u>Geoengineering and Climate Change Adaptation</u> <i>Chair: William Piermattei (Univ. of Maryland Carey Law, USA)</i></p> <p>Wil Burns (Johns Hopkins Univ., USA) <i>Into the Great Wide Open: Geoengineering and the Relevance of International Human Rights Law</i></p> <p>Nijaz Deleut (Croatia) <i>Emerging Science and Technologies: New Challenges</i></p> <p>Albert Lin (Univ. of California, Davis, USA) <i>Designing a Geoengineering Governance Regime</i></p>
Panel 7B Room 107	<p><u>Multi-Disciplinary Approaches to Environmental Law Governance</u> <i>Chair: Nathalie Herve-Fournereau (Univ. of Rennes, IODE UMR 6262 CNRS, France)</i></p> <p>Angela Dwyer (Univ. of Technology Sydney, Australia) <i>The Use of Delphi for the listing of species and ecological communities</i></p> <p>Lin Harmon (Pace Univ., USA) <i>Teaching Comparative Environmental Law From a Global Resources Perspective: Are national environmental laws doing their job?</i></p> <p>Michelle Lim (Univ. of New England, Australia) <i>Building Bridges across Jurisdictional and Disciplinary Boundaries</i></p> <p>Heline Sivini Ferreira, Luís Pedro Oliveira Santos Rodrigues & Jéssica Silva de Jesus (Federal Univ. of Santa Catarina, Brazil) <i>The Reverse Logistics System as a Way to Achieve Sustainable Development</i></p>
Panel 7C Room 108	<p><u>Risk Assessment, Technology and Green Chemistry</u> <i>Chair: Alexander Paterson (Univ. of Cape Town, South Africa)</i></p> <p>Floor M. Fleurke & Jonathan Verschuuren (Tilburg Univ., Netherlands) <i>A Radical Shift for the Future of Environmental Law: The Potential and Risks of the Use of Technology for the Benefit of the Environment</i></p> <p>John Shoaff (EPA Office of Pollution Prevention & Toxics, USA) <i>Progress and Opportunities for Chemical Management, Green Chemistry</i></p> <p>Ceri Warnock (Univ. of Otago, New Zealand) <i>Incorporating Values within Environmental Risk Assessment</i></p>

BREAKOUT SESSIONS *cont'd*

Breakout Session 7: Multidisciplinary Approaches to Environmental Law: Science, Economics and Bridging the Discipline Gap *cont'd*

Wednesday, July 4th, 1:15 p.m. – 2:45 p.m.

<p>Panel 7D Room 205</p>	<p><u>Regulation of World Food Supply – GMO's and Pesticides</u> Chair: Mary O'Loughlin <i>(Georgetown School of Foreign Service '09 & Fulbright Research Scholar, USA)</i></p> <p>Odile Lim Tung (North-West Univ., South Africa) <i>An appraisal of the International Governance of Transboundary Movements of GMOs Twenty Years after Rio</i></p> <p>Claudia Colmenarez Ortiz (Ghent Univ., Belgium) <i>Sustainable Regional Legal Experiences in Biotechnology in the European Union</i></p> <p>Wen Xiang (Ghent Univ., Belgium) <i>Risk Governance of Genetically Modified Organisms in China</i></p>
<p>Panel 7E Ceremonial Court Room</p>	<p><u>Challenges to Greening the World Economy</u> Chair: Bill Reynolds (Univ. of Maryland Carey Law, USA)</p> <p>Markus Gehring (Univ. of Ottawa, Canada & Cambridge Univ., UK) <i>Legal Preparedness for the Global Green Economy</i></p> <p>Paul Martin, Amanda Kennedy, & Jacqueline Williams (Univ. of New England, Australia), & John Page (Bond University, Australia) <i>When do too many good economic instruments become bad legal policy?</i></p> <p>Stephen Stec, Alexios Antypas & Magdalena Paszkiewicz (Central European Univ., Hungary) <i>Is the Time Ripe for Binding Norms for Corporate Accountability?</i></p> <p>Stepan Wood & Kevin Thompson (York Univ., Canada) <i>Transnational Voluntary Climate Change Initiatives for Local Governments: Key Variables, Drivers, and Likely Effects</i></p>
<p>Panel 7F Room 460</p>	<p><u>The Economics of Ecosystem Services</u> Chair: Melissa Powers (Lewis & Clark Law School, USA)</p> <p>Natasha Affolder (Univ. of British Columbia, Canada) <i>Counting Nature and the Nature of Counting</i></p> <p>Alexandra Langlais (Univ. of Rennes, IODE UMR 6262 CNRS, France) <i>Critical Analysis of the Contractual Commitment to serve the protection of ecological services: Payments for Environmental Services</i></p> <p>Ana Maria Nusdeo & Ana Luiza Campos (São Paulo Univ., Brazil) <i>Payment for Ecosystem services in Brazil: Between efficiency and equity</i></p>

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