

2018 IUCN Academy of Environmental Law Colloquium University of Strathclyde, Glasgow, Scotland, UK

The Transformation of Environmental Law and Governance: Innovation, Risk and Resilience

4-6 July 2018

#IUCNAEL2018

iucn2018-conf@strath.ac.uk

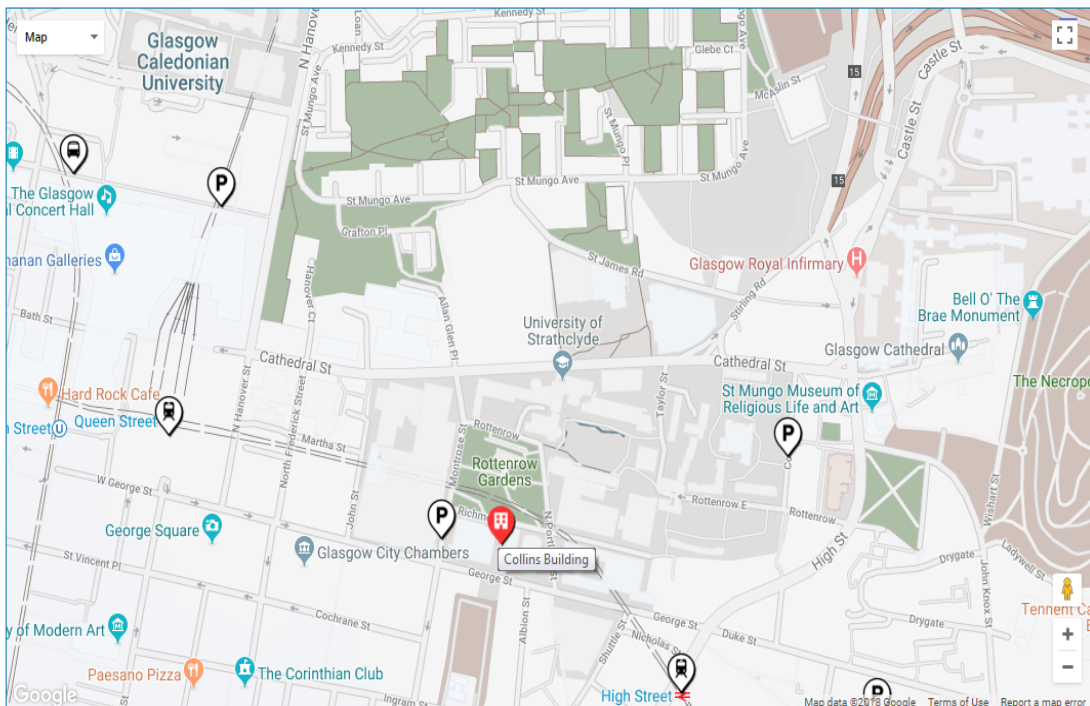
WEDNESDAY 4TH JULY PROGRAMME



#IUCNAEL2018

Tuesday 3 July

15.30 – 16.30 **Early Registration** (Insights Institute, Collins Building, 22 Richmond Street, University of Strathclyde, Glasgow G1 1XH)



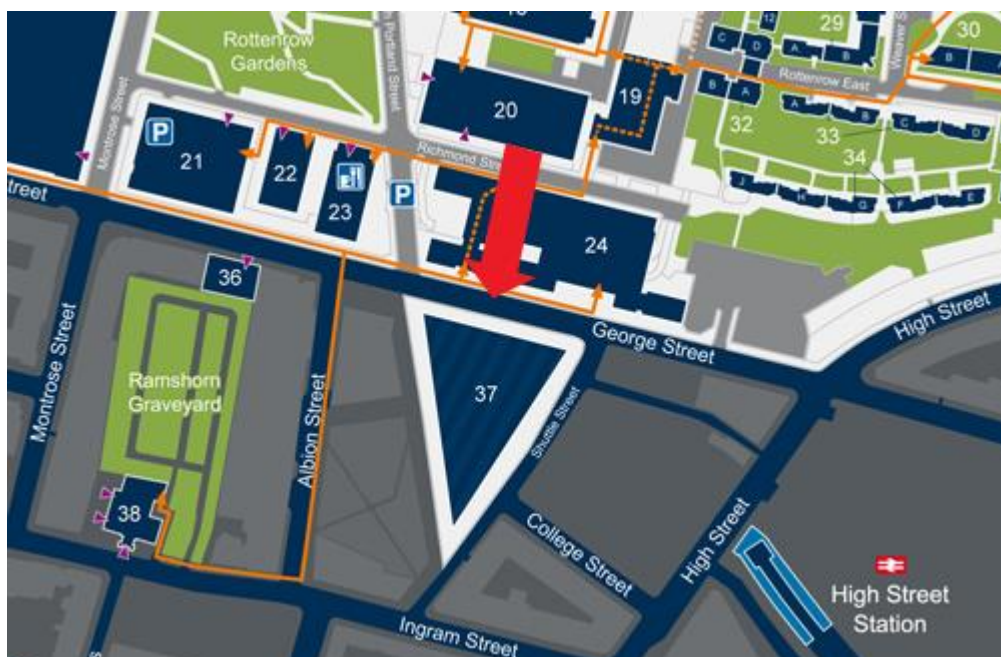
To log into conference WI FI in the TIC building, please log onto TIC_Conferences using the password Livingstone. In all other buildings on campus, eduroam is available.



Wednesday 4 July 2018

08:15 – 09:30 **Registration** @ [Technology and Innovation Centre](#) (TIC), University of Strathclyde, 99 George Street, Glasgow, G1 1RD.
A campus map is available [here](#).

Please follow the signs for registration once you enter the TIC building.



Wednesday 4 July 2018

9:30 – 10:45 **Introduction** (Plenary)

Venue: TIC Main Auditorium

10:45 – 12:30 **Parallel sessions**

- Communities and Indigenous Peoples in Energy
- Water, Technology and Infrastructure
- Sustainable Fisheries
- Technology for Land, Food and Agriculture Implementation
- Environmental Litigation: Principles, Justice, Rights of Nature and Indigenous People
- New Horizons in Sustainable Development
- Risky Businesses and Environmental Protection
- Operationalizing the Climate Regime
- Climate Law, Technology, and Legal Discourse
- Voices, Rights and Interactions in Biodiversity law
- *Costa Rica-Nicaragua and Compensation for Environmental Damages*
- *Ecological Law and Governance*

Communities and Indigenous Peoples in Energy

4/7/18 10.45/12.30 Venue: TIC Conference Room 1

Chair: Kim Bower, Strathclyde Centre for Environmental Law and Governance

José Rubens Morato Leite; Paula Galbiatti and, Marina Venâncio, Federal University of Santa Catarina, Brazil, *Hydropower generation and the resilience of traditional communities: the conflicts in the Belo Monte case*

Annalisa Savaresi, University of Stirling, UK, *Benefit-sharing and Renewable Energy Generation: A Means to a Just Transition?*

Richard Ottinger and, Robert Habermann, Achintha Vithanage, Center for Environmental Legal Studies, Elisabeth Haub School of Law, Pace University, New York, USA, *Community Renewable Energy Innovation Laws for Sustainable Development*

Anita Rønne, University of Copenhagen, Denmark, *Energy innovation and transition for smart cities*



Water, Technology and Infrastructure

4/7/18 10.45/12.30 Venue: TIC Conference Room 4

Chair: Germarié Viljoen, North-West University, South Africa

Michael Kidd, University of KwaZulu-Natal, South Africa, *Sanitation infrastructure and fitness for purpose: Some thoughts about regulation in South Africa*

William Piermattei and, Devon Harman, University of Maryland Carey School of Law, USA, *Low-Tech Water Recycling Innovation in the West Bank: A Potential Solution to Water Scarcity and Wastewater Management*

Janice Gray, University of New South Wales, Australia, *“Oh, what a tangled web we weave...when first we practice to deceive”:- water theft, water trading, technology and resilience*

Antti Belinskij, University of Eastern Finland and Finnish Environment Institute SYKE, Finland, *Sustainable Bioeconomy through Nutrient Credits Regulation?*

Sustainable Fisheries

4/7/18 10.45/12.30 Venue: TIC Conference Room 8

Chair: Mara Ntona, Strathclyde Centre for Environmental Law and Governance

Gloria Estenzo Ramos, Oceana Philippines, *Convergence for Sustainability in the Era of Uncertainty*

Gerry Nagtzaam, Monash University, Australia, *‘Gotta catch them all’: The International Commission for the Conservation of the Atlantic Tunas and the race to prevent Atlantic tuna extinction*

Pierre Cloutier de Repentigny, University of Ottawa, Canada, *Science-Fiction at Sea: A Critical Overview of the Role of Science and Technology within International Fisheries Law*

Melanie Murcott, University of Pretoria, South Africa, *Exploring the potential of resilience thinking to respond to the plight of South Africa’s Dwesa-Cwebe fishing community*

Technology for Land, Food and Agriculture Implementation

4/7/18 10.45/12.30 Venue: TIC Conference Room 2

Chair: Margherita Brunori, Università Statale di Milano, Italy

Evan Hamman, Queensland University of Technology, Australia; Gabriel Leuzinger Coutinho, University of Brasilia, Brazil, and, Marcia Dieguez Leuzinger, Brasilia University Centre, Brazil, *Using satellite technology to enhance biodiversity protection: a comparative study of land clearing in Brazil and Australia*

Christine Frison, University of Antwerp and Université Catholique de Louvain, Belgium and, Thomas Gils, DLA Piper, Belgium, *Blockchain technology for food security: resilience potential and risk identification for the Multilateral System of the International Treaty on Plant Genetic Resources for Food and Agriculture*

Feja Lesniewska, Research Associate at STEaPP, UCL, London, UK, *The missing link? Using blockchain to tackle transnational illegal timber trade*

Andrew Lawson, The Australian Centre for Agriculture and Law, School of Law, University of New England, Armidale, Australia, *Suing for sustainability: challenges to consumer-led environmental protection in Australia's consumer protection regime*

**Environmental Litigation: Principles, Justice, Rights of Nature and Indigenous People
4/7/18 10.45/12.30 Venue: TIC Lecture Theatre Level 1**

Chair: Marie-Catherine Petersmann, European University Institute, Florence, Italy

Caiphas Brewsters Soyapi, North-West University, South Africa, *The right to a healthy environment in the context of EIA and the precautionary principle in Eastern and Southern African courts*

Charito Sawali, Presiding Judge, Municipal Circuit Trial Court Malvar-Balete, Batangas, Philippines, *The Philippine Supreme Court and the Scales of Justice for Sustainable Development*

José Rubens Morato Leite and, Marina Venâncio, Federal University of Santa Catarina, Florianopolis, Brazil, *Rights of Nature in Brazilian Case-Law: A feasible approach for dealing with global risks?*

Dustin Klaudt, Osgoode Hall Law School, Canada, *Embracing Indigenous Rights Through Litigation to Protect the Climate: Can Rights-Based, Public Trust, and Standing Climate Litigation Strategies Be Successfully Applied in the Context of Aboriginal Rights and Title Litigation in Canada*

**New Horizons in Sustainable Development
4/7/18 10.45/12.30 Venue: TIC Conference Room 5**

Chair: Laura S. Lynes, The Rockies Institute (TRI), Alberta, Canada

Stefan Gruber, Hakubi Center for Advanced Research, Kyoto University, Japan, *Cultural heritage protection and sustainable development in Asia*

Sophie Riley, University of Technology Sydney, Sydney, Australia, *Sustainable Development and the United Nations Dialogues: Changing Sensibilities and Living in Harmony with Nature*

Mahito Shindo, Waseda University, Tokyo, Japan, *Environmental Mindset Archives Project (E-MAP): a trial for intergenerational preservation of the environmental ethos*

Yetty Komalasari Dewi, Universitas Indonesia, *The Implementation of Green Banking Concept: Underpinning the Lender's Liability for Environmental Damages*

Risky Businesses and Environmental Protection

4/7/18 10.45/12.30 Venue: Collins 201

Chair: Melissa Powers, Lewis & Clark Law School, Portland, Oregon, USA

Tri Hayati and, Andri G. Wibisana, University of Indonesia, *Reclamation and Post-Mining Guarantees in Indonesia: An Economic Instrument Suited for Indonesia?*

Jacqueline Cavalcant; Andre Leao; Romana Arauj; Jorge Nogueira, University of Brasilia, Brazil and; Amanda Kennedy, University of New England, Australia, *Risk, resilience and environmental justice: Environmental governance in the wake of the Mariana Mine Disaster*

Izabela Zanotelli Collares; Danuta Nogueira de Souza Calazans and, Mônica Thaís Souza Ribeiro (in absentia), Ceub, Brasilia, Brazil, *Lá Na Morada: The right at the light of living experience*

Patryck de Araujo Ayala and; Mariana Carvalho Victor Coelho, Federal University of Mato Grosso, Brazil, *Fracking situations: how far do our environmental laws go when it comes to technological uncertainties?*

Operationalizing the Climate Regime

4/7/18 10.45/12.30 Venue: TIC Conference Room 6

Chair: Wil Burns, American University, Washington DC, USA

Blaise-Pascal Ntirumenyerwa Mihigo, University of Kinshasa, University Simon Kimbangu, Democratic Republic of the Congo, *Green Climate Fund: Is the Legal Framework of the Democratic Republic of Congo Ready?*

Patricia Galvao Ferreira, University of Windsor, Canada, *Unpacking the Law and Governance Aspects of South-South Technological Cooperation in the Climate Regime*

Freedom-Kai Phillips, Center for International Governance Innovation, Waterloo, Canada, *Participation of "Non-Party Stakeholders" under the United Nations Framework Convention on Climate Change: Options for Future Engagement*

Patricia Hania, Ted Rogers School of Business, Ryerson University, Toronto, Canada, *Regulatory Innovation: Responsiveness & Eco-Resiliency –Rethinking the Future of Water Regulation Theory in Response to Climate Change*

Climate Law, Technology, and Legal Discourse

4/7/18 10.45/12.30 Venue: TIC Conference Room 7

Chair: Afshin Akhtar-Khavari, Queensland University of Technology

Yuhong Zhao, The Chinese University of Hong Kong, Hong Kong, China, *Regulatory Control of Environmental Risks of CCS in China*

K.J. (Kars) de Graaf and, H.D. (Hanna) Tolsma, University of Groningen, Netherlands, *Towards a Dedicated Climate Act in the Netherlands? Sound Legal Reasoning or Symbolic Legislation*

Jordi Jaria i Manzano, Universitat Rovira i Virgili, Tarragona, Catalonia, Spain, *Rebuilding Constitutional Discourse for Climate Justice*

Paola Villavicencio Calzadilla, North-West University, South Africa, *Technology and the Enforcement of the Rights of Nature: Some Insights from Bolivia*

Voices, Rights and Interactions in Biodiversity Law

4/7/18 10.45/12.30 Venue: TIC Conference Room 3

Chair: Laura Movilla Pateiro, University of Vigo, Spain

Elisa Morgera, Strathclyde Centre for Environmental Law and Governance, *Sharing the benefits of scientific progress fairly and equitably: the contribution of international biodiversity law to the realization of the human right to science (...and the right to development?)*

Xiaoou Zheng, University of Edinburgh, UK, *Analysing the Implementation of the Nagoya Protocol in China: Challenges and Opportunities for Traditional and Local Communities*

David Takacs, University of California Hastings College of the Law, San Francisco, California, USA, *Whose Voices Count in Innovative Biodiversity Conservation? Ecological Democracy in Biodiversity Offsetting, REDD+, and Rewilding*

Outi Manninen, University of Eastern Finland, *“De-materialization” of genetic resources and future relevance of the Nagoya Protocol: Can dynamic interpretation ensure the relevance of the international ABS regime?*



Costa Rica-Nicaragua and Compensation for Environmental Harm

4/7/18 10.45/12.30 Venue: Court Senate

(Session organized by Rutgers University and Foley Hoag LLP)

Chair: Francesco Sindico, Strathclyde Centre for Environmental Law and Governance

Cymie Payne, Rutgers University, New Jersey, USA, *Roots and Branches of Compensation for Environmental Harm*

Andrew Loewenstein, Foley Hoag LLP, Boston, USA, *Costa Rica v. Nicaragua: The International Court of Justice and the Frontiers of Valuing Environmental Impacts*

James Harrison, University of Edinburgh, UK, *The turning tide of compensation for pure environmental damage: implications of Costa Rica-Nicaragua for other international regimes*

Silja Voeneky, University of Freiburg, Germany, *The ICJ Costa Rica v. Nicaragua Judgement - a Game Changer?*

Ecological Law and Governance (Session organized by the Ecological Law and Governance Association). *This session will end at 12:45.*

4/7/18 10.45/12.45 Venue: Insights Institute, Collins Building

Chair: Klaus Bosselmann, University of Auckland, New Zealand, *Key Issues of Ecological Law and Governance*

Massimiliano Montini, University of Siena, Italy, *The Genesis of ELGA: From the Oslo Manifesto to the Siena Declaration*

Kathryn Gwiazdon, Center for Environmental Ethics and Law, *Role of Ethics in Ecological Law and Governance*

Lisa Mead, Earth Law Alliance, *Systemic Change in Law: Rights of Nature as a Driver for Ecological Health*

Klaus Bosselmann, University of Auckland, New Zealand, *Key Issues of Ecological Law and Governance*

12:30 – 14:15 Lunch and poster presentations

**13:00 – 14:00 IUCN Academy of Environmental Law Academy Annual Collegium
Venue: TIC Main Auditorium**

14:15 – 15:45 Key Note Speakers (Plenary)

Venue: TIC Main Auditorium

Chair: Jessica Steinberg Albin, Elisabeth Haub School of Law, Pace University, USA

[Tianbao Qin](#), LuoJia Professor of Law, Wuhan University, China, *Social Transformation and Environmental Law: Challenges and Responses*

[Maria Lee](#), Professor of Law at University College London, UK, *Wind Energy Infrastructure: Governing Scale*

15:45 – 16:15 **Coffee break**

16:15 – 18:00 **Parallel sessions**

- Energy Regulation and Governance
- Redefining Water Risk, Resilience and Uncertainty
- Dealing with Risk and Technology in the Oceans: State and Corporate Social Responsibility
- Sustainable Agriculture and Food Systems: From Law-making to Implementation
- Let's Give Nature Rights: The Role of Litigation
- Civil Society and Community Participation in Environmental Law and Governance
- Technology, Innovation, Resilience and Climate Change
- Technology and Innovation: New Horizons in Climate Mitigation
- Scales and Levels: Issues in Biodiversity and Transboundary Environmental Governance
- *Preserving Nature in International Law: What Innovations Have Arisen from the Emergence of Sustainable Development within UNESCO Cultural Conventions?*
- *Legal and Governance Challenges of Climate Geoengineering*

Energy Regulation and Governance

4/7/18 16.15/18.00 Venue: TIC Conference Room 1

Chair: Kim Bouwer, Strathclyde Centre for Environmental Law and Governance

Yuan Yang, Tilburg University, Netherlands, *Reforming China's Offshore HSE Regulation: Risk and Resilience Approaches?*

Melissa Powers, Lewis & Clark Law School, Portland, Oregon, USA, *Effective Energy Governance in an Age of Transition*

Amanda Kennedy, University of New England, Australia, and Cameron Holley (in absentia), UNSW Sydney, Australia, *Regulating unconventional gas technology: Approaches to governing the energy-water nexus in Queensland, Australia and Texas, USA*

Laurel Besco, University of Toronto Mississauga, Canada, *Engendering Norm Development as an Innovative Approach to Reaching Energy Efficiency Goals*

Redefining Water Risk, Resilience and Uncertainty

4/7/18 16.15/18.00 Venue: TIC Conference Room 2

Chair: Julie Gibson, Strathclyde Centre for Environmental Law and Governance

Zaki Shubber, IHE Delft Institute for Water Education, Netherlands, *Legally resilient international instruments for uncertain water systems*

Rebecca Bates, Queen Mary University of London, UK, *Defining Water: An Exploration of International Governance and Technology*

Stellina Jolly, South Asian University, India, *Evaluating the Community Resilience in Promoting Social Justice in Ground Water Governance: Lessons from India*

Dealing with Risk and Technology in the Oceans: State and Corporate Social Responsibility

4/7/18 16.15/18.00 Venue: TIC Conference Room 8

Chair: Gabriela A. Oanta, Salvador de Madariaga University Institute for European Studies, University of A Coruña, Spain

Grant Dawson, Organisation for the Prohibition of Chemical Weapons, *Assessing the Opportunities and Risks of New Technologies Designed to Raise Sea-Dumped Chemical Weapons from the Ocean Floor*

Luisa Cortat Simonetti Goncalves, Maastricht University, Netherlands and Vitoria Law School (FDV), Brazil, *Challenges and Pathways to Fight the Plastic Pollution in the Oceans: A Law and Economics Analysis of CSR and Private Initiatives*

Roger Joseph Guzman, Oceana Philippines, *Vessel Monitoring in Fisheries Law: Using Tracking Technology and Innovation to Ensure Sustainability of Philippine Fisheries*

Sam Adelman, University of Warwick, UK, *Geoengineering: Rights, Risks and Ethics*

Sustainable Agriculture and Food Systems: From Law-making to Implementation

4/7/18 16.15/18.00 Venue: TIC Conference Room 3

Chair: Amber Prasad Pant, Tribhuvan University, Kirtipur, Kathmandu, Nepal

Heather McLeod-Kilmurray, Centre for Environmental Law and Global Sustainability, University of Ottawa, Canada, *Transforming Trade Law for Sustainable Food Systems*

Hope Johnson, Queensland University of Technology, Brisbane, Australia, *Cellular agriculture: governance, ethics and challenges*

Iyan Offor, Strathclyde Centre for Environmental Law and Governance, *Livestock farming, animal welfare and trade: the problem with “blood farms” and pregnant mare’s serum gonadotropin*

Andrea Keessen, Utrecht University, Netherlands, *Manure between waste and resource status*

Let’s Give Nature Rights: The Role of Litigation
4/7/18 16.15/18.00 Venue: TIC Lecture Theatre Level 1
Chair: Mary Neal, University of Strathclyde

Kevin Hille and, Damen Ward (in absentia), Crown Law Office New Zealand, New Zealand, *Maori water rights claims and reforming the freshwater management system*

Amrisha Pandey, University of Leeds, UK, *Rights, Rivers and Climate Change*

Rose-Liza Eisma-Osorio, University of Cebu, Philippines, *The Dolphins’ Right to Sue through Human Legal Guardians*

Laura S. Lynes, The Rockies Institute (TRI), Alberta, Canada, *Legal Personhood of Nature as a Legal Instrument in Addressing Climate Change*

Civil Society and Community Participation in Environmental Law and Governance
4/7/18 16.15/18.00 Venue: TIC Conference Room 6
Chair: Angela Lee, University of Ottawa, Canada

Wiwiek Awiati, Faculty of Law, University of Indonesia, *SLAPP Threats on Community Participation in Environmental law Enforcement in Indonesia*

Anna Berti Suman, Tilburg Institute for Law, Technology and Society, Tilburg University, Netherlands, *Citizen Sensing for a co-governance of the risk: the Fukushima Safecast case*

Marjan Peeters, Maastricht University, Netherlands, *Notifying environmental risks of technological innovations: Effective ENGO action based on collecting information and freedom of expression*

Lee Paddock and, Robert Glicksman, The George Washington University Law School, USA, *Citizen Science in Support of Environmental Protection: Innovations, Opportunities and Barriers*

Technology, Innovation, Resilience and Climate Change
4/7/18 16.15/18.00 Venue: TIC Conference Room 5
Chair: Harro van Asselt, University of Eastern Finland

Mahatab Uddin (in absentia) and Saiful Karim, Queensland University of Technology, Brisbane, Australia, *Innovation and transfer of environmentally sound technologies and the Paris Agreement*

Felicity Deane and, Anna Huggins, Queensland University of Technology, Brisbane, Australia, *MMRV for Greenhouse Gas Emissions from Ships: Implications for Transparency and the Uptake of New Technologies*

Afshin Akhtar-Khavari, Queensland University of Technology, Brisbane, Australia, *Technology and the Recovery of Nature in the Anthropocene Epoch*

Alexander Zahar, Wuhan University, Wuhan, China, and, He Xiangbai, Soochow University, Suzhou, China, *Innovation in State Reports on Climate Change Action*

Technology and Innovation: New Horizons in Climate Mitigation

4/7/18 16.15/18.00 Venue: TIC Conference Room 4

Chair: Michelle Barnard, North-West University, South Africa

Karolina Jackowicz, University of Bialystok, Bialystok, Poland, *AI (artificial intelligence) and the protection of the environment*

Stephen Minas, Peking University, Shenzhen, Guangdong, China, *The UNFCCC Technology Executive Committee as a Driver of Innovation in the Law and Governance of Climate Technology*

Loretta Feris, University of Cape Town, South Africa, *The use of Technology in Times of Environmental Disaster: Trumping Human Rights?*

Nicky Broeckhoven, Tilburg University, Tilburg, Netherlands, *Linking Gender, Technology and Climate Change: Opportunities and Challenges in the International Climate Change Regime*

Scales and Levels: Issues in Biodiversity and Transboundary Environmental Governance

4/7/18 16.15/18.00 Venue: TIC Conference Room 7

Chair: Mar Campins Eritja, University of Barcelona, Spain

Ancui Liu, Maastricht University, Maastricht, Netherlands, *The international liability and redress regime regarding environmental damage caused by cultivation of genetically modified crops—links with the Environmental Liability Directive*

Emma Mitrotta, University of Trento, Italy, *Decentralised International Cooperation: Re-scaling governance over transboundary natural resources in Europe*

Shawkat Alam, Centre for Environmental Law, Macquarie University, Sydney, Australia, *Technological Assistance and the North South Divide: In Search of Equitable Sharing of New Environmental Technologies with the Protection of Intellectual Property*

Lucy Lu Reimers and, Dario Piselli, Graduate Institute of Geneva, Switzerland, *International Biodiversity Law in the Age of Planetary Boundaries: legal Innovation to Confront Global Environmental Change Across Scales*

**Preserving Nature in International Law: What Innovations Have Arisen from the Emergence of Sustainable Development within UNESCO Cultural Conventions?
4/7/18 16.15/18.00 Venue: Insights Institute, Collins Building**

(Session organized by the UNESCO Chair on the Diversity of Cultural Expressions at the University of Laval, Canada)

Véronique Guèvremont, Université Laval, Quebec, Canada, *The Recognition of the Cultural Dimension of Sustainable Development in International Law*

François Huleux, Université Laval, Quebec, Canada and Université Paris-Saclay, France, *Innovative Techniques for the Safeguarding of Intangible Cultural Heritage Associated with Biodiversity*

Caecilia Alexandre, Université Laval, Quebec, Canada, and Université de Montréal, Canada, *The Indigenous Peoples' Holistic Approach of Culture as a Way to Better Preserve Nature: The Role of the UNESCO Cultural Conventions*

Géraud de Lassus Saint-Geniès, Center for International Governance Innovation; McGill University, Montreal, Canada, *Protecting and Promoting Cultural Diversity as a Climate Policy*

Clémence Varin, Université Laval, Quebec, Canada, *The Environmental Challenges Raised by the Protection and Promotion of the Diversity of Cultural Expressions in the Digital Age*

Legal and Governance Challenges of Climate Geoengineering

4/7/18 16.15/18.00 Venue: Court Senate

(Session organized by Centre for International Governance Innovation, Waterloo, Ontario, Canada)

Chair: Silvia Maciunas, Centre for International Governance Innovation (CIGI)

Neil Craik, University of Waterloo, Canada, *Transparency-based Governance for Climate Engineering Research*

Wil Burns, Professor, American University, Washington DC, USA, *The Paris Agreement and Climate Geoeengineering Options*

Matthias Honegger, IASS-Potsdam, Germany, *The sustainable development goals: the right context for assessing climate engineering?*

*Colloquium reception at the City Chambers, 82 George St, Glasgow G2 1DU – kindly provided courtesy of The Rt Hon the Lord Provost of Glasgow, Councillor Eva Bolander. The reception **will begin at 18.30** and all are welcome; there is no need for a separate registration. The reception will last for one hour.*



List of poster presentations

Birgit Hollaus, WU Vienna University of Economics and Business, Austria, *To risk or not to risk that is the question. Who is accountable for the answer, yet a different one?*

Deepa Badrinarayana, Chapman University, California, USA, *The Right to Equal Protection and Assessment of Technological Risks*

Edson Luiz Peters, Universidade Federal do Paraná (UFPR), Curitiba, Brazil; Luis Henrique Braga Madalena, Universidade do Estado do Rio de Janeiro (UERJ), Rio de Janeiro, Brazil and; Samantha Ribas Teixeira, Pontifícia Universidade Católica do Paraná, Curitiba, Brazil, *Global environmental governance as a pathway to achieving a sustainable future within the Risk Society*

Hari Prasetyo, Universitas Indonesia, *Optimizing Environmental Tax to Mitigate the Climate Change: a Study of Indonesian Motor Fuel Tax (PBBKB) to Reducing CO2 Emission*

Henrik Fischer, Helmholtz-Centre for Environmental Research – UFZ Leipzig, Germany, *Sustainable Transformation towards more resilient Waste Water Technologies*

Izabela Zanotelli Collares, Mônica Thaís Souza Ribeiro (in absentia); Danuta Nogueira de Souza Calazans and; André Leão (in absentia), Research Team on Environmental Law and Sustainable Development of Ceub, Brazil, *Technology as a means of valuing traditional knowledge in the quest for sustainable development*

Larissa Barros, Marcia Leuzinger (in absentia) and Solange Teles da Silva, Brasília University Centre, Brasília and Presbyterian Mackenzie University, São Paulo, Brazil, *Remotely Piloted Aircrafts (RPAs): potential allies of Brazilian biodiversity conservation*

Li Zhiping, Sun Yat-Sen University, Guangdong, China, *Mechanism innovation and its reflection of justice of ecological environment restoration.*

Ling Chen (in absentia), Centre for International Governance Innovation, Waterloo, Canada, *Climate Cooperation in “Clubs”: A Case Study of Clean Energy Partnership*

Luis Henrique Braga Madalena, Universidade do Estado do Rio de Janeiro (UERJ), Rio de Janeiro, Brazil and; Samantha Ribas Teixeira, Pontifícia Universidade Católica do Paraná, Curitiba, Brazil, *Socio-environmental rights within the courts of justice: Can an inauthentic interpretation of procedural law contribute for the ineffectiveness of diffuse rights?*

Mahito Shindo, Waseda University, Tokyo, Japan, *Influence of the Aarhus Convention Compliance Committee on the activities of the Parliamentary Ombudsman and Environmental Ombudsman in Austria and Hungary*

Maria Maniadaki, Environmental Law Observatory of West Crete, Greece, *Monitoring the environmental law compliance with the help of Geographic Information Systems (GIS): The case of the Environmental Law Observatories in Crete*

Maxine Davis Phillips, University of Maryland Francis King Carey School of Law, USA, *The Implications of Deregulation: "Two for One" and Beyond*

Nadezhda Alekseeva, Russian State University of Justice, Moscow, *The remedy for accumulated environmental damage as a factor of sustainable development*

Nertila Kuraj, University of Oslo, Norway, *The Regulation of Syntetic Biology and the Wicked Problem of Definition, Lessons from Nanotechnology and Endocrine Disrupters*

Normawati Binti Hashim, Universiti Teknologi MARA, Malaysia; Syahirah Abdul Shukor, Universiti Sains Islam Malaysia, Malaysia; Hanim Kamaruddin, Universiti Kebangsaan Malaysia, Malaysia; Dina Iman Supaat, Universiti Sains Islam Malaysia, Malaysia and; Rasykah Mohd Khalid, Universiti Kebangsaan Malaysia, Malaysia, *Are Business Enterprises Accountable for the Protection of the Environment – the Perspective of the Human Rights.*

Rafael González Ballar, University of Costa Rica, *Social resilience an alternative to the process of adaptation of wildlife in Costa Rica (necessary changes in public policies and legislation)*

Ryoko Kusumi, CERIC-Aix-Marseille University, Aix-en-Provence, France, *Towards the revision of nuclear liability framework in Japan*

Valentina Dotto, Birmingham City University, UK, *The Urgenda and Juliana cases: Redefying the Notion of Environmental Democracy*

Mauricio Duarte dos Santos (in absentia), Mackenzie Presbyterian University, Sao Paulo, Brazil,
Solange Teles da Silva, Mackenzie Presbyterian University, Brazil, Sao Paulo, *"Surfing reserve" as a sort of protected area: descriptive analysis regarding Brazilian and Australian scenario*

Travelling to the TIC

By Train to Central Station

Arrivals from the West of Scotland and most Intercity train services arrive at Central Station from where a 5/10 minute taxi drive will take you to the TIC Building.

Central Station to TIC (12 min walk)

Head north toward Gordon St, turn right onto Gordon Street, left onto Buchanan Street, right onto George St, TIC Building (venue) will be on the right.

By Train to Queen Street Station

Arrivals from Edinburgh and the East come into Queen Street Station.

Queen Street Station to venue (9 min walk)

Head south on N Hanover St, turn left onto George Square, continue onto George St, TIC Building (venue) will be on the right.

By Air & from Buchanan Bus Station

A frequent bus service runs from Glasgow International Airport to Buchanan Bus Station, which is then a 10 minute walk from the Campus.

Buchanan Bus Station to TIC (10 min walk)

Head south on N Hanover St toward Killermont St, turn left onto George Square, continue onto George St, TIC Building (venue) will be on the right.

The Venue – Technology and Innovation Centre

Registration opens at 08.15 on Wednesday 4th July, please follow signs once you enter the building. Should you wish to register early for the event, early registration is available on Tuesday 3rd July from 15.30 to 16.30 in the Insights Institute, Collins Building, 22 Richmond Street, University of Strathclyde.



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