

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

FRIDAY 6TH JULY PROGRAMME



#IUCNAEL2018

Friday 6 July 2018

08:15 – 09:00 **Registration** @ [Technology and Innovation Centre](#), University of Strathclyde, 99 George Street, Glasgow, G1 1RD.

09:15 – 11:00 **Parallel sessions**

- Supporting Low-Carbon Energy Transitions
- Transboundary Water Governance
- Land Governance
- Technology and Environmental Law and Governance
- Protection of the Marine Environment and Species & Benefit-Sharing
- Indigenous innovation, Participation and resilience in biodiversity law and governance
- Climate Change and Cities
- Tools and Techniques of Environmental Law and Governance
- Conservation and Biodiversity
- The Legal Challenges of Genetic Modification: Thinking Through the Issues
- Uncertainty and Risk Management: Exploring Novel Instruments in Land, Food and Agriculture
- *Integration of Special Rapporteurs Procedures Beyond the UN*

Supporting Low-Carbon Energy Transitions

6/7/18 09.15/11.00 Venue: TIC Conference Room 7

Chair: Megan Bowman, Kings College London, UK

Carlos Soria-Rodríguez, Institute for European Studies (IES), Vrije Universiteit Brussel (VUB), Belgium, *Marine Renewables Energies in Areas Beyond National Jurisdiction: Opportunities in a Sea of Legal Challenges*

Shalini Iyengar and, Preeta Dhar, Srishti Institute of Art, Design and Technology, Bangalore, India, *So(I)ar Pathways: Energy, Law and the Indian State of Play*

Leslie-Anne Duvic-Paoli, King's College London, UK, *An Inclusive Energy Transition? The Role of Public Participation in International Energy Governance*

José Juan Gonzalez Marquez and, Ana Laura Silva, Metropolitan Autonomous University, Mexico, *Energy Storage as key mechanism for energy transition in Mexico*

Transboundary Water Governance

6/7/18 09.15/11.00 Venue: TIC Conference Room 2

Chair: Michael Kidd, University of KwaZulu-Natal, South Africa

Owen McIntyre, University College Cork, *Getting to Grips with Land-Based Sources of Marine Pollution: The Challenge for International Watercourses Law*

Christina Leb, World Bank, *Data Innovations for Transboundary Freshwater Resources Management: Is the Obligation of Regular Data and Information Exchange still needed?*

Flavia Rocha Loures, Xiamen University, China, *Stepping up Transboundary Water Cooperation in a Hot Thirsty World: A Focus on Common Interests*

Yang Liu, Ghent University, Belgium, *Dealing with Hydropower Projects: The Protection of Transboundary Watercourses and the Right to a Healthy Environment in the Lancang/Mekong River Basin*

Land Governance

6/7/18 09.15/11.00 Venue: TIC Conference Room 5

Chair: Lorenzo Cotula, International Institute for Environment and Development (IIED)

Marina Venâncio, Federal University of Santa Catarina, Florianopolis, Brazil, *Agroecology, law and resilience*

Ian Hannam, Australian Centre for Agriculture and Law, University of New England, Australia, *Governance of pastoral lands*

Margherita Brunori, Università Statale di Milano, Italy, *Global indicators for an equitable and secure access to land*

Indrani Sigamany, Indigenous Land Rights, Oxford, UK, *Social consequences of land rights legislation: gender and resilience*

Technology and Environmental Law and Governance

6/7/18 09.15/11.00 Venue: TIC Conference Room 1

Chair: Heather McLeod-Kilmurray, Centre for Environmental Law and Global Sustainability, University of Ottawa, Canada

Willemien du Plessis and, Johan Nel, North-West University, South Africa, *Selecting, adopting and using the most sustainable effective and efficient technologies -Expanding the South African legal framework*

David Grinlinton, The University of Auckland, New Zealand, *Legal Issues arising from advanced monitoring and surveillance for environmental compliance and enforcement*

Stephen Turner, Lincoln University, UK, *The role of technology in determining the standard of protection afforded by environmental rights*

Katrien Steenmans, Coventry University, UK, and, Phillip Taylor (in absentia), University of Warwick, Coventry, UK, *Blockchain Technologies, Waste Management, and the Role of Law*

Protection of the Marine Environment and Species & Benefit-Sharing

6/7/18 09.15/11.00 Venue: TIC Conference Room 8

Chair: Elizabeth A. Kirk, Nottingham Trent University, UK

Amber Prasad Pant, Tribhuvan University, Kirtipur, Kathmandu, Nepal, *Rights of the Landlocked Countries under Law of the Sea and Transit Agreements: A case study of Nepal*

Leonardus Gerber, University of Pretoria, South Africa, *Recent Developments in the Regulation of Deep Seabed Mineral Resources*

Alana Malinde S N Lancaster, University of the West Indies, Cave Hill Campus, Barbados, *Debt in Paradise: Are Debt for Climate Swaps a Viable Mechanism in the Adaptation and Mitigation Efforts in the CARICOM AND OECS Caribbean*

Mara Ntona, Strathclyde Centre for Environmental Law and Governance, *Integrated Coastal Zone Management Protocols to Regional Seas Conventions: New Avenues for Benefit-sharing from Coastal and Marine Resources*

Indigenous innovation, Participation and resilience in biodiversity law and governance

6/7/18 09.15/11.00 Venue: TIC Conference Room 6

Chair: Rose-Liza Eisma Osorio, University of Cebu, Philippines

Alexander Solntsev, Department of International Law, People's Friendship University of Russia (RUDN-University, Moscow), *Genetic resources, traditional knowledge, indigenous people and principle of resilience*

Oluwatobiloba Moody, Center for International Governance Innovation, Waterloo, Canada, *Balancing Risks and Benefits: Multilateralism and the Pursuit of Equity in the Distribution of Wealth Arising from Indigenous Innovation*

Gift Dorothy Makanje, University of Malawi Law School, Malawi, *Strengthening the role of traditional leaders for effective local community participation in environmental management in Malawi*

Natalie Stoianoff, Faculty of Law, University of Technology Sydney, Australia, *Governance Principles for Indigenous Ecological Knowledge: The Garuwanga Project*

Climate Change and Cities

6/7/18 09.15/11.00 Venue: Court Senate

Chair: Michael Mehling, Strathclyde Centre for Environmental Law and Governance

Jolene Lin, National University of Singapore, *The Emergence of Urban Climate Law*

Anél du Plessis, North-West University, South Africa, *The Metabolism of the City and the Pursuit of Urban Climate Resilience*

Nicholas Robinson, Pace University, New York, USA; Heline Sivini Ferreira, Pontifical Catholic University of Paraná (PUCPR), Curitiba, Brazil; and, Diogo Andreola Serraglio, Pontifical Catholic University of Paraná (PUCPR), Curitiba, Brazil, *Climate Change Induced Migration and Urban Planning: a New Agenda for Sustainable Development*

Svitlana Romanko, Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine, *Climate Change Policies and Solutions for Resilient Cities in Ukraine, Eastern Europe and Central Asia: How Far From Paris Agreement?*

Tools and Techniques of Environmental Law and Governance

6/7/18 09.15/11.00 Venue: Collins 201

Chair: Eloamaka Carol Okonkwo, Strathclyde Centre for Environmental Law and Governance

Linda Malone, Marshall Wythe School of Law at the College of William and Mary, USA, *Prosecuting Wildlife Trafficking and Destruction of Antiquities Before the ICC as War Crimes*

Maria Marquès Banqué, Tarragona Centre for Environmental Law Studies (CEDAT), Universitat Rovira I Virgili, Tarragona, Catalonia, Spain, *The role of technology and innovation in environmental crime*

Elodie Le Gal, School of Law, University of Aarhus, Aarhus, Denmark, *Drug pollution from manufacturing and antimicrobial resistance: How does the European Union manage the potential environmental and health risks of importing pharmaceutical active ingredients manufactured in third countries?*

Pierre Mazzega, CNRS, University of Toulouse, France; Claire Lajaunie, INSERM - Aix-Marseille University, France; Elisa Piccinini and; Camille Rohrbacher, Jean Jaurès University, Toulouse, France; Phillipe Muller and, Nathalie Gilles, Paul Sabatier University, Toulouse, France, *Ocean Governance as seen through Multilateral Environmental Agreements*

Conservation and Biodiversity

6/7/18 09.15/11.00 Venue: TIC Conference Room 4

Chair: Merachelle Rala Borracho, University of Cebu, Philippines

Claire Lajaunie, Aix-Marseille University, Aix en Provence, France, and, Pierre Mazzega, University of Toulouse, Toulouse, France, *On the Ethics of Integrative Research in Biodiversity Conservation*

Luis Henrique Braga Madalena and, Samantha Ribas Teixeira, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brazil, *The Brazilian Legal Policy on Environmental Education: An analysis of the measures adopted to promote biodiversity conservation prior to environmental damage*

Solange Teles da Silva, Presbyterian Mackenzie University Law School, São Paulo, Brazil and, Carolina Dutra (in absentia), Lawyer and Researcher in Environmental Law, São Paulo, Brazil, *Ecological solidarity, an innovative concept for biodiversity conservation policy*

Willem Daniel Lubbe, North-West University, South Africa, *South Africa Conservation failing conservation: the elephant conundrum in Southern Africa*

The Legal Challenges of Genetic Modification: Thinking Through the Issues (BTK 08)

6/7/18 09.15/11.00

Venue: TIC Conference Room 3

Chair: Paul Martin, Australian Centre for Agriculture and Law

Jonas Monast, University of North Carolina, Chapel Hill, USA, *Editing Nature*

Ngaya Munuo and, Rachel Wynberg (in absentia), University of Cape Town, South Africa, *Rights-based Approaches to Transgene Contamination: Perspectives on Liability in South Africa*

Davi Beltrao de Rossiter Correa and, Marcia Dieguez Leuzinger, University Centre of Brasilia, Brazil, *International patent system of genetically modified seeds and national public welfare: courts activism and protection of local interests*

Alena Kodolova, Saint Petersburg Scientific Research Center for Environmental Safety, Russian Academy of Science, *Legal regulation of the use of genetically modified organisms in the field of export and import of agricultural products in the CIS: international and national aspects*

Uncertainty and Risk Management: Exploring Novel Instruments in Land, Food and Agriculture

6/7/18 09.15/11.00 Venue: Insights Institute, Collins Building

Chair: Elsa Tsioumani, Strathclyde Centre for Environmental Law and Governance

Zen Makuch, Sustainability and Food Systems, Imperial College London, UK,
Environmental and Climate Risk Strategies for an Un-Stationary Planet

Kate Devitt, Faculty of Science and Engineering, Faculty of Law and the Institute for Future Environments, Queensland University of Technology, *The liability of uncertainty: how mistrust in agricultural decision support technologies thwarts adoption*

Jonathan Verschuuren, Tilburg University, Netherlands, *Towards an EU regulatory framework for climate smart agriculture: the example of soil carbon sequestration*

Justine Bendel, University of Sheffield, UK, and, Giedre Jokubauskaite, Durham University, UK, *Land-related obligations under the EIA*

Integration of Special Rapporteurs Procedures Beyond the UN

6/7/18 09.15/11.00 Venue: TIC Lecture Theatre Level 1

(Session organized by the Global Network of Human Rights and the Environment)

Facilitators of this session include;

Sam Adelman, European Director of GNHRE; University of Warwick, UK.

Erin Daly, Director of GNHRE; Delaware Law School, USA

Louis Kotzé, North-West University, South Africa

Ole W Pedersen, Deputy Director of GNHRE; University of Newcastle, UK

Sara Seck, Deputy Director of GNHRE; Dalhousie University, Nova Scotia, Canada

11:00 – 11:30 **Coffee break**

11:30 – 13:00 **Key Note speakers** (Plenary)

Venue: TIC Main Auditorium

Chair: Robert Percival, University of Maryland Carey School of Law (TBC)

[Joanne Scott](#), Professor of European Law at the European University Institute, Fiesole, Italy, *The Global Reach of EU Environmental Law*

[Geert Van Calster](#), Professor at the University of Leuven, Belgium, *Even the price suits you, Sir! A critical view on innovation*

13:00 – 14:15 **Lunch and poster presentations**

14:15 – 16:00 **UN Special Rapporteurs Plenary** (Chair: Alan Miller, Chair of Scotland First Minister's Human Rights Leadership Advisory Group)

Venue: TIC Main Auditorium

[John Knox](#), UN Special Rapporteur on the environment and human rights, *The Human Right to a Healthy Environment*

[Baskut Tuncak](#), Special Rapporteur on the implications for human rights of the environmentally sound management and disposal of hazardous substances and wastes, *Perspectives from the UN Special Rapporteur on the implications for human rights of environmentally sound management and disposal of hazardous substances and wastes*

[Paul Hunt](#), Former UN Special Rapporteur on the right to the highest attainable standard of health, *The environment and the mandate of the UN Special Rapporteur on the right to health*

16:00 – 16:30 **Coffee break**

16:30 – 17:45 **Conclusion**

20:30 – 23.59 **Colloquium Ceilidh** (*bookings for the ceilidh have closed and the event is now full*)

Trades Hall, 85 Glassford St, Glasgow, G1 1UH. Telephone - + 44 (0)141 552 2418.

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 Synthetic Biology and the Wicked Problem of Definition, Lessons from Nanotechnology and Endocrine Disruptors*

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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