Parallel Panel Sessions

Stream 1 — Architectures of Earth System Governance
Co-hosted by Keio University, Japan

Stream 2 — Agency in Earth System Governance
Co-hosted by Colorado State University, Environmental Governance Working Group, United States of America, and Utrecht University, The Netherlands

Stream 3 — Accountability, Legitimacy and Democracy in the Anthropocene
Co-hosted by University of Toronto, The Munk School of Global Affairs and Public Policy, Canada

Stream 4 — Allocation, Access and Equity in Earth System Governance
Co-hosted by the University of Waterloo, Faculty of Environment, Canada, and Utrecht University, The Netherlands

Stream 5 — Adaptiveness, Resilience and the Transformation of Earth System Governance
Co-hosted by the German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE), Germany

Stream 6 — Theoretical and Methodological Foundations of Earth System Governance
Co-hosted by the Institute for Advanced Sustainability Studies, Germany, and Utrecht University. The Netherlands
Parallel Panel Sessions 1

Monday, 5 November 2018

11:00 – 12:30

Architecture 1: Coalitions, Cooperation and Conflict in the Climate Change Negotiations.

Venue – tbd
Chair: Carola Klöck
Discussant: Florian Weiler

Paula Castro, Carola Klöck
Fragmentation in the Climate Change Negotiations: Taking Stock of the Evolving Coalition Dynamics

Florian Weiler
Cooperation in the Climate Change Negotiations: A Network Approach

Meg Boyle
Cooperation and Differentiation under the Paris Agreement

Lou Blaxekjær
Diplomatic Learning and Trust: How the Cartagena Dialogue brought UN Climate Negotiations Back on Track

Architecture 2 – Environmental Security & Risk Management

Venue – tbd
Chair: Yixian Sun

Julia Tschersich
Comparative Analysis of the Effects of the Multi-Level Regime on Seed and Variety Commons in Germany and the Philippines

Dhanasree Jayaram
Security and Environmental Change: An Indian Perspective

Jiayi Zhou
The Geopolitics of Food Security: Constituting a New Security Object in the Postwar Era

Agency 1 – (New) Agents in Earth System Governance

Parallel Panel Sessions 1 – Monday, 5 November 11:00–12:30
Parallel Panel Sessions 1 – Monday, 5 November 11:00–12:30

**Vanessa Lueck**
Governing Sea Level Rise Induced Retreat and Relocation Through Insurance: A Risky Business?

**Christian Downie, Kyla Tienhaara**
Restricting Finance for Fossil Fuels: Examining the Role of Export Finance

**Evalinde van Winden, Frank Biermann**
Auditors of Sustainability: Exploring the Role of Supreme Audit Institutions in the Implementation of the Sustainable Development Goals

**Ashley Enrici, Rebecca Gruby, Michele Betsill**
Philanthropic Foundations and Environmental Governance: A Research Agenda

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**Agency 2 – Agency and the Private Sector: Entrepreneurship, Supply Chains and Certification**

Venue – tbd  
Chair: Marie Claire Brisbois

**Linda Westman, Christopher Luederitz, Aravind Kundurpi, Alexander Mercado, Janetta Mckenzie, Scott Ninomiya, Sarah Burch**
Agency in the Shadow of Hierarchy: Exploring the Role of Small– and Medium–Sized Enterprises in Environmental Governance

**Vivek Soundararajan, Michael Bloomfield**
How Business Conflict in the Global South can Support Sustainable Supply Chains

**Aravind Kundurpi**
Governing and Accelerating Transformative Entrepreneurship: External Factors Influencing SME Sustainability and innovation in the Greater Toronto Area, Canada

**Alexia Marks**
The Role of Private Sector Regenerative Agriculture Certifications in Earth System Governance

**Katrien Termeer, Otto Hospes, Hilde Toonen, Bas Arts**
Next Generation Governance Architectures for Sustainable Global Value Chains

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**Agency 3 – Power, Authority and Leadership in a Complex World**

Venue – tbd  
Chair: Leandra R Goncalves

**Alexander Imbo, Uta When, Ken Irvine**
Analyzing Power Dynamics in Global Environmental Governance

*Jisun Hwang*
Cities as Policy Entrepreneurs in Polycentric Climate Governance

*Sander Chan, Jacopo Bencini, Matteo Lindley*
Non-State and Local Leadership in Europe’s Climate Governance: New Drivers of Climate Action?

*Heike Boehler, Marcel Hanegraaff, Kai Schulze*
Competing Interest Groups in a Changing Climate

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**Accountability, Legitimacy and Democracy 1 – Accountability and (Contested) Knowledge in Global Sustainability Governance**

**Venue – tbd**
**Chair: Aarti Gupta**
**Discussant: Teresa Kramarz**

*Tamara Metze, Eefje Cuppen, Magda Smink, Jos van den Broek, Rinie van Est*
Warming Up or Cooling Down for Geothermal Energy: Public Accountability for Emerging Energy Technologies

*Tamara Metze, Sylvia Karlsson-Vinkhuyzen, Efrat Gommeh, Huub Dijstelbloem*
Travelling Images of Shale Gas and Geothermal Energy: Citizen Detectives and Public Accountability

*Isabel Díaz Reviriego, Esther Turnhout, Alejandro Esguerra, Josef Settele.*
Logics of Participation in IPBES: Perspectives, Experiences and Practices

*Michael Mason*
Transparency, Accountability and (dis)Empowerment in Sustainability Governance

*Aarti Gupta, Sylvia Karlsson-Vinkhuyzen, Amy Ching, Nila Kamil, Nadia Bernaz*
Performing Accountability: State–to–State Account–Giving Within Multilateral Climate Governance

*Sylvia Karlsson-Vinkhuyzen, Arthur Dahl, Åsa Persson*
Accountability and Policy Integration for the Sustainable Development Goals: Friend or Foe?

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**Accountability, Legitimacy and Democracy 2 – Law, Justice & Democracy in Climate Politics**

**Venue – tbd**
**Chair: Bregje van Veelen**

*Margaretha Wewerinke-Singh*
Methodological Foundations for Socio-Legal Research on (Rights-Based) Climate Change Litigation

**Hayley Walker**
Procedural Justice in Climate Change Negotiations: Respect and Due Hearing

**Gareth Edwards**
Fossil Fuel Developmentalism and Climate Justice: Insights from Australia’s Coal Frontier

**Rebecca Willis**
The role of National Politicians in Earth System Governance: Evidence from a Study of Members of the UK Parliament

**Frederic Hanusch**
The Influence of Democratic Quality on Reactions to Climate Change: A Comparative Study of Climate Policies in Established Democracies

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**Accountability, Legitimacy and Democracy 3 – Democracy in Earth System Governance:**

Broadening the Conversation

*Venue – tbd*

*Chair: John Dryzek*

*Discussant: Hayley Stevenson*

**Walter Baber, Robert Bartlett**
Mapping Transnational Environmental Rights for Democratic Earth System Governance

**Christopher Gore**
Ecological Democracy in Africa: Comparing Kenya, Uganda and Tanzania

**Anne Kantel**
Democratizing or Delegitimizing Earth System Governance? ‘Scapegoating’ and ‘Tribalizing’ as Mechanisms of Power in Uganda’s Fish and Land Governance

**Jonathan Pickering, Karin Bäckstrand, David Schlosberg**
Ecological Democracy in Theory and Practice: Progress, Barriers and new Frontiers

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**Allocation, Access and Equity 1 – Exploring Access and Allocation – I**

*Venue – tbd*

*Chair: Joyeeta Gupta*

*Discussant: tbd*

**Brendan Coolsaet, Neil Dawson, Simone Lovera, Florian Rabitz**
Access and Allocation in Global Biodiversity Governance

Parallel Panel Sessions 1 – Monday, 5 November 11:00–12:30
Agni Kalfagianni, Simon Meisch, Jouni Paavola
Epistemological Underpinnings of Access and Allocation at Multiple Levels of Governance

Margot Hurlbert, Naho Mirumachi, Pedi Obani, Shakeel Hayat, Philile Mbatha
The Governance of Water Insecurities

Jan van Tatenhove, Joeri Scholtens, Saiful Karim
Reconceiving Access and Allocation to Coastal and Marine Resources

Dona Barirani, Philip Osano
Food Security and Access to Land

Allocation, Access and Equity 2 – Fair Institutions

Venue – tbd
Chair: Maaz Gardezi

Pieter Pauw, Kennedy Mbeva
An Equitable Regime? How the UNFCCC Paris Agreement and its NDCs Innovate the Differentiation of Countries’ Responsibilities to Address Climate Change

Adis Dzebo, Richard Klein
Transnational Adaptation Governance – Designing an Institutional Setting to Deal with Climate Change Impacts Across Borders

Aysem Mert, Sander Chan
Are Transnational Multistakeholder Initiatives Furthering Global Goals? Effectiveness and Equity in Governance by Goals.

Maddalena Visser
Equity in the Utilization of Transboundary Marine Living Resources – An International Legal Review

Elizabeth Dirth, Frank Biermann

Adaptiveness, Resilience and Transformation 1 – Same Same, But Different: Governance Challenges Across Sectors

Venue – tbd
Chair: Ines Dombrowsky
Discussant: Carmen Richerzhagen

Andrew Tirrell
Fisheries Governance in an Era of Climate Change

**Mabel Augustowski, Luis Miguel Cisneros**
Adaptability and Vulnerability of Governance in Tourism. An Analysis of the Evolution of Governance in Diving Tourism in the Galápagos Marine Reserve (Ecuador)

**Jane Maher**
Achieving Climate Justice Through Gender Mainstreaming Climate Change Adaptation?
Multiscale Analysis of Lower Shire Valley, Malawi

**Emmy Bergsma**
Strategic Groundwater Management as an Adaptation Measure

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**Adaptiveness, Resilience and Transformation 2 – Resilient Communities I: Adaptiveness on the Ground**

**Venue – tbd**

Chair: Mirja Schoderer
Discussant: Britta Horstmann

**Mohammed Mozumder**
Enhancing the Social Resilience of the Fishing Communities – The Case of Hilsa (Tenualosa Ilisha) Fishery in Bangladesh

**Candace May**
Coastal Community Resilience: A Comparative Case Study of Barriers and Opportunities for Sustainable Governance in the United States

**Muhammad Mumtaz, Kalsoom Sumra**
Adaptive Governance and Local Transformation: A Case of Khyber Pakhtunkwha, Pakistan

**Md Khalid Hossain**
Multilayered Earth System Governance to Foster Community Resilience: Learning from REE-CALL Project

**Vera Horigue**
How Does Decentralisation of Government Affect Conservation Implementation?

**Jean Carlo Rodriguez de Francisco, Carmen Richerzhagen, Alessandro Döhnert, Lukas Kleiner, Marjam Mayer, Julia Morawietz, Eric Philipp, Felix Weinsheimer**
The Social Dimension of Ecosystem–Based Adaptation to Climate Change in Colombia
Parallel Panel Sessions 2

Monday, November 5 2018

15:30 – 17:00

Architecture 3 — Assessing the Adequacy of the Global Climate Governance Complex après Paris — A Sectoral Perspective

Venue – tbd
Chair: Harro van Asselt
Discussant: Karin Bäckstrand

Sebastian Oberthür, Lukas Hermwille, Tim Rayner
A Framework for Evaluating Global Climate Governance through a Sectoral Systems Perspective

Gauri Khandekar, Sebastian Oberthür
Global Governance for the Decarbonisation of Energy-Intensive Industries

Tim Rayner
Global Governance of Fossil-Fuel Extractive Industries: Exposing and Addressing the Gaps

Bianka Kretschmer, Mahlet Melkie
From Climate Finance to Transforming the Financial System – Assessing the Financial Sector’s Role within the Climate Governance Regime Complex

Lukas Hermwille, Friederike Asche
Hardwired towards Transformation? An Assessment of the Governance Sub-Complex for the Power Sector

Architecture 4 – Ocean Governance

Venue – tbd
Chair: Jen Allan

Ellycia Harroud-Kolieb
The Fragmented Nature of International Ocean Acidification Governance

Abigail York, Hiliary Hartnett, Diana Bowman, Stephen Romaniello, Shauna Burnsilver
Governance Architecture for Planetary Management: Assessing the Institutions for Geoengineering in the Arctic
Genevieve Quirk
The Evolution and Integration of Oceania’s Institutional Complex to Preserve Marine Ecosystem Integrity

Dona Barirani
Adaptation of Environmental Regimes in the Anthropocene: The case of Fisheries Regime, 1937 to 2016

Architecture 5 – Transforming Biodiversity Governance – I

Venue – tbd
Chair: Ingrid Visseren-Hamakers
Discussant: Marcel Kok

Kristin Rosendal, Jon Birger Skjærseth
Legal Frameworks & Corporate Strategies for Bioprospecting and Bio-innovation in Polar Regions

Joanna Miller Smallwood
Room for Improvement. Promoting Compliance with Legal Obligations Through the Convention on Biological Diversity Conference of the Parties (CBD COP)

Amandine Orsini
The Evolving Architecture of Intergovernmental Biodiversity Governance

Marc Hufty
Coordinating the Biodiversity Conventions: Where Do We Stand?

Ingrid Visseren-Hamakers, Andrea Schapper
Transforming Biodiversity Governance by Mainstreaming Animal Concerns

Architecture 6 – Climate Change Governance: The Effectiveness and the Future of Climate Change Treaty Regimes

Venue – tbd
Chair: Sylvia Karlsson-Vinkhuysen

Lars Gulbrandsen, Jørgen Wettestad, Arild Underdal, David Victor
The Design and Diffusion of Carbon Markets: Implications for Applied Policy Research

Stephan Hoch, Axel Michaelowa, Igor Shishlov, Anne Weber
Governing Complexity: The Impact of Institutional Interplay Among Recent Multilateral Environmental Agreements on the Effectiveness of International Market-based Climate Policy Instruments

Christophe Cassen, Jean Charles Hourcade
An Overview and Assessment of the Increasing Role of Climate Finance Within the UNFCCC Process Since COP21 and Beyond

**Tessa Zell, Karen Meijer**
Can the Green Climate Fund Realize Effective Climate Adaptation? An Analysis of Perspectives

**Stefan Aykut, Jean Foyer, Edouard Morena**
‘Incantatory’ Governance. Post-Paris Climate Politics and the Transformation of Global Environmental Governance

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**Agency 4 – Agents in Ocean Governance**

**Venue – tbd**
**Chair: Heike Boehler**

**Benjamin Hofmann**
Technological Arguing: How New Business Practices Shape the International Environmental Regulation of Maritime Shipping

**Leandra Goncalves, Leopoldo Gerhardinger, Marcus Polette, Alexander Turra**
Actor’s Strategies on Marine and Coastal Governance in Brazil

**Lisa Uffman-Kirsch**
Marine Space Decision-Making Under a Common-wealth Model

**Matilda Petersson**
The Effects of Transnational Partnerships in Global Fisheries Governance

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**Agency 5 – Between Local and Global: Collaboration, Diffusion and Influence**

**Venue – tbd**
**Chair: Lena Partzsch**

**Gökhan Orhan**
Local Meets Global in Earth System Governance: Collaboration of Local Governments and International Agencies in Climate Change Adaptation and Mitigation in Turkey

**Ishita Gopal, Ganesh Gorti**
Deciphering Energy Policy Diffusion in Indian States – Actors and Agencies

**Ira Shefer**
Philanthropic Foundations and Environmental Governance: A Research Agenda

**Cristobal Reveco**
A research Agenda on Water Governance for Latin America
**Jakob Skovgaard, Åsa Knaggård, Roger Hildingsson**
International Diffusion and Domestic Policy Processes: Developing a Framework for Exploring the Adoption of Carbon Pricing Policies

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**Agency 6 – Governing Urban Nature for Sustainability: Complex Architectures & Emerging Agencies**

**Agency – I**

**Venue – tbd**
**Chair: Hens Runhaar**
**Discussant: Harriet Bulkeley**

**Hade Dorst, Hens Runhaar, Rob Raven, Sander van der Jagt**
Urban Infrastructure Regimes: Uncovering the Structural Barriers to Upscaling Nature-based Solutions

**Laura Tozer, Harriet Bulkeley**
Bringing Nature into the City? Transnational Governance and the Urban Politics of Nature-based Solutions

**Wikke Novalia, Briony Rogers, Joannette Bos, Rebekah Brown**
Diagnosing Strategic Influences of Different Agents in Governing Transition Towards Green City in Surabaya, Indonesia

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**Accountability, Legitimacy and Democracy 4 – Accountability in Extractive Industries I: Can Institutions Mitigate Extractivism**

**Venue – tbd**
**Chair: Susan Park**
**Discussant: Aarti Gupta**

**Sherrie Baver**
Chile’s Move to Modern Environmental Governance: How New Institutions Stopped the Pascua-Lama Mining Project

**Marjanneke Vijge, Robin Metcalfe, Linda Wallbott, Christoph Oberlack**
Governance Transformations to Reverse the Resource Curse? The Extractive Industries Transparency Initiative in Myanmar

**Hyeyoon Park**
The Effectiveness of Global Extractive Governance: An Analysis of Extractive Industries Transparency Initiative (EITI) as a Global Transparency Norm Entrepreneur

**Dominique Blümer, Jean-Frédéric Morin, Clara Brandi, Axel Berger**

Parallel Panel Sessions 2 – Monday, 5 November, 15:30–17:00
Environmental Provisions in Trade Agreements: Defending Regulatory Space or Pursuing Offensive Interests?

Accountability, Legitimacy and Democracy 5 – Participation and Accountability in Land and Resource Governance

Venue – tbd
Chair: Sebastien Jodoin

Shaju Thomas, Punnen Kurian
Participatory Forest Management in Kerala, India and the Lessons Learned for Effective Earth System Governance in the Anthropocene

Jonathan Hagan
Leaving No One Behind: Providing Sustainable and Accountable Access to Land for Marginalized Commons Through A Decentralized Land Governance System

Madhusmita Dash, Saswat Mishra
Institutional Diverseness in Forest Conservation: A Prospective Look into the Indian Protected Areas

Anne Kantel
The Coming of an Authoritarian State: Fisheries Governance and Elite Power Grabbing in Uganda

Allocation, Access and Equity 3 – Exploring Access and Allocation – II

Venue – tbd
Chair: Joyeeta Gupta
Discussant: tbd

Michelle Scobie, Calum Brown
Agency and Accountability in Earth System Governance Research

Joyeeta Gupta, Louis Lebel
Towards a Theory on Access and Allocation in Earth System Governance

Åsa Persson, Michelle Scobie, Yixian Sun
Access and Allocation: International Economic Development and Environmental Justice

Antonina Ivanova, Asim Zia, Mairon Bastos Lima, Paiman Ramzan
Climate Mitigation (Energy, Negative Greenhouse Gases, and Forests)

Allocation, Access and Equity 4 – Financing Mechanisms Through a Justice Lens

Venue – tbd

Parallel Panel Sessions 2 – Monday, 5 November, 15:30–17:00
Chair: David Schlosberg

**Nils Drote, Joshua Farley, Irene Ring, Peter May, Taylor Ricketts**
Designing a Global Mechanism for Intergovernmental Biodiversity Financing

**Kevin Adams, Åsa Persson, Magnus Benzie**
Towards A Systemic Approach to Climate Adaptation Finance – Exploring the Role of Transboundary Climate Impacts and Climate-Induced Agricultural Risk Flows

**Diana Dorman, David Ciplet**
Sustainable Energy for All? An Examination of Climate Finance Decisions through the Green Climate Fund

**Romain Weikmans, J. Timmons Roberts**
The International Climate Finance Accounting Muddle: Is There Hope on the Horizon?

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**Adaptiveness, Resilience and Transformation 3 – Governing Sustainable Plastic Transitions**

**Venue – tbd**

Chair: Johannes Stripple
Discussant: Jennifer Clapp

**Tobias Nielsen, Johannes Stripple, Jacob Hasselbalch**
Plastic and Politics – A review

**Tobias Nielsen, Ellen Palm, Stine Madsen, Lars Nilsson**
Conflicting Narratives on Sustainable Plastics: Critical Analysis of the EU Plastic Strategy

**Mark Cooper**
Fossil Fabric: Decarbonisation and the Politics of Textile Transitions

**Elizabeth Mendenhall**
Oceans of Plastic: A New Challenge for Global Environmental Governance

**Peter Stoett**
Exploring the Microplastics-Biodiversity-Climate-Health Governance Nexus

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**Adaptiveness, Resilience and Transformation 4 – Resilient Communities II: Urban Solutions**

**Venue – tbd**

Chair: Britta Horstmann
Discussant: Sander Chan

**Andie Wicaksono, Jurian Edelenbos, Peter Scholten**

Parallel Panel Sessions 2 – Monday, 5 November, 15:30–17:00
Urban Rivers Governance: M3K Movement to Increase the Adaptive Capacity of the Poor in Yogyakarta City

Corinne Vitale, Sander Meijerink, Peter Ache, Francesco Domenico Moccia
Urban Flood Resilience, a Discursive-Institutional Analysis of Planning Practices in Milan

Courtney Schultz, Cassandra Moseley, Kathleen McIntyre, Laren Cyphers, Autumn Ellison, Chad Kooistra
Policy Design to Support Collective Action and Adaptive Governance: Examples from Community-Based Forest Restoration Approaches in the United States

Loïc Cobut
Citizen Participation in the Energy Transition: What Role for the European Union?

Adaptiveness, Resilience and Transformation 5 – Futures From the Bottom up: Constructing Pluralistic Multi-level Governance Pathways Towards Global Goals

Venue – tbd
Chair: Laura Pereira
Discussant: Joost Vervoort

Mandy van den Ende
Opening up Anthropocene Futures: Integrating Pluralistic, Practice-based Bottom-up Pathways Into Global Environmental Assessments

Valentina Nakic, Joost Vervoort, Sjors Hijgenaar

Laura Pereira, Joost Vervoort
Addressing Scale Mismatches of Scenarios for Effective Sustainable Development Decision Making

Rohan Bhargava, Joost Vervoort, Laura Pereira, Timon Mcphearson
Utilizing Local Initiatives and Bottom-up Scenarios to Enhance IAMs and Inform Policymakers

Nadia Sitas, Zuzana Harmáčková, Mireia Valle
Parallel Panel Sessions 3

Monday, 5 November 2018

17:15-18:45

Architecture 7 – Climate Change Governance: Polycentricity, Municipalism, Transnationality

Venue – tbd
Chair: Elizabeth Mendenhall

Vicente Cortes Berrueta
A Framework to Understand the Diversity in the Relations within Transnational Municipal Networks

Filipe Alves, Gil Penha-Lopes
Libertarian Municipalism, Bioregional Confederations and Participatory Democracy: The Necessary Trinity for a New Governance Paradigm

Katharine Rietig
Multilevel Reinforcing Dynamics in Transnational Governance: The case of ‘America’s Pledge: We Are Still In’

Linda Shi
Transcending City Limits: Progress and Paradoxes in Metropolitan Governance for Climate Adaptation

Architecture 8 – International Political Economy: Teleconnectivity, Sustainable Value Chains, Risk Management

Venue – tbd
Chair: Sander Meijerink

Åsa Persson, Magnus Benzie
National Interest of Whom? Reviewing the Role of the State in Responding to Transnational Climate Risk for Trade Flows

Jens Newig, Andrea Lenschow, Edward Challies, Benedetta Cotta, Almut Schilling-Vacaflor
Conceptualizing the Governance of Global Telecoupling

Ellen Holtmaat
Variety of Private Sustainability Standards: a Club Theory Approach

Parallel Panel Sessions 3 – Monday, 5 November, 17:15–18:45
Nicholas Cradock-Henry
Multi-level Influences on Adaptation to Climate Change in New Zealand Primary Industries

Architecture 9 – Transforming biodiversity governance – II

Venue – tbd
Chair: Ingrid Visseren-Hamakers
Discussant: Marcel Kok

Yves Zinngrebe, Sebastian Lakner, Guy Pe’er, Jenny Schmidt, Christian Schleye
Biodiversity Policy Integration in German Agricultural Landscapes

Kamalesh Adhikari
Reconceptualising Access to Reshape International and National Biodiversity Laws

Jonathan Pickering
Rethinking Justice in Global Biodiversity Governance: Signs, Constraints and Opportunities

Janice Weatherley-Singh, Aarti Gupta
Scrutinizing European Policy Debates on Tackling ‘Embodied Deforestation’: A New Emerging Paradigm in Multilevel Forest Governance?

Aleksandar Rankovic, Fiona Kinniburgh, Yann Laurans
What Have Been the Practical Effects of the Aichi Targets on the Ground? Insights From Five National Case Studies and Recommendations for CBD COP15


Venue – tbd
Chair: Rakhyun E. Kim
Discussant: Oscar Widerberg

Fariborz Zelli, Karin Bäckstrand, Naghmeh Nasiritousi, Philipp Pattberg, Lisa Sanderink, Jakob Skovgaard, Harro van Asselt, Oscar Widerberg
Analyzing the Nexus Between Global Governance Domains: The Case of Climate and Energy

Rakhyun Kim, Jean-Frédéric Morin
The Coevolution of the Trade and Environment Systems

Milja Heikkinen, Onerva Korhonen, Tuomas Ylä-Anttila, Sirkku Juhola
Activity-based Graph Structure of Climate Companions Cooperative Network Between City of Helsinki and Businesses
Agency 7 – Rethinking Agency in Earth System Governance: Critique and Suggestions

Venue – tbd
Chair: Jennifer Bansard

Piero Morseletto
Confronting the Nitrogen Challenge: Options for Governance and Targets

Marianne Zeyringer, Oliver Broad, Huebner Gesche, Konadu Dennis, Andy Moore, James Price, Zenaida Sobral Mourao, Julia Tomei
Designing Highly Renewable and Socio-environmentally Accepted Energy Systems

Stefan Pedersen
Agency in the New Earth Politics of the Earth System Governance Project: A Theoretical Critique with Suggestions

Peter Driessen, Dries Hegger, Carel Dieperink, Rakhyun Kim, Bettina Wilk
Granting Rights to the River? An Exploration of Potential Governance Implications

Agency 8 – Communities and Citizens as Agents in Environmental Governance

Venue – tbd
Chair: Cristina Yumie Aoki Inoue

Jones Arthur
An Exploration of the Impact of Training on Community Governance; A Case Study of Communities Affected by Bui Dam Construction, Ghana

Yu Yang, Bettina Bluemling, Fang Wang
Agents in the Global Periphery: Lineage Groups as Agents to Maintain Food Production

Maren Krätzschmar, Johannes Hamhaber
From Ladder to Circle: A New Model of Citizens’ Participation in Resources Governance

Kirsty Holstead, Shona Russell, Kerry Waylen
Creating a (Hydro)Nation of Engaged Communities? An Exploration of Policy and Regulatory Professionals in Scotland in Shaping Community Involvement in Water Governance

Heleen Mees, Conor Murphy, Mathilde Gralepois, Thomas Thaler
From Citizen Participation to Government Participation?

Maria Rebecca Campos
Institutional Arrangements and Governance in Coastal Communities in the Philippines

Parallel Panel Sessions 3 – Monday, 5 November, 17:15–18:45

Venue – tbd
Chair: Hens Runhaar
Discussant: Harriett Bulkeley

Jessica Maxwell, Kirsty Blackstock, Katherine Irvine
Linear vs. Adaptive Approaches to Green Infrastructure Policy, Planning, and Placemaking

Helen Santiago Fink
New Pathways for Climate Action: Nature-based Solutions and People-based Solutions for Urban Sustainability and Climate Resiliency

Rieke Hansen, Emily Rall, Werner Rolf, Martina van Lierop, Stephan Pauleit
Fuzzy Concept or Robust, Elastic Approach? Framing Urban Green Infrastructure

Arjen Buijs, Rieke Hansen, Sander Jagt
Active Citizens and Urban Green Governance: Understanding the Diversity of Stewardship Practices through a Mosaic Governance Lens

Accountability, Legitimacy and Democracy 6 – Accountability in Extractive Industries II: Intersections in a Complex World

Venue – tbd
Chair: Teresa Kramarz
Discussant: Susan Park

James van Alstine, Laura Smith
Processes of Change and Destabilisation in Resource Frontiers: the Making of Uganda’s Oil Assemblage

Nidia González
Improving Accountability on Forest Management, Democratisation of Technologies Toward Shared cultural values on ecological heritage

Craig Johnson
The Return of Extractivist Politics in Ecuador: Implications for Democracy, Legitimacy and Earth System Justice

Teresa Kramarz, Donald Kingsbury, Kyle Jacques
Populism or Petrostate? The Afterlives of Ecuador’s Yasuni-ITT Initiative
**Accountability, Legitimacy and Democracy 7 – Private and Sub-state Actors: Accountability, Legitimacy and Democracy**

**Venue – tbd**

**Chair: Lars H. Gulbrandsen**

**Mareike Blum**
What Role for Private Actors in Climate Governance? A Host Country Perspective from Uganda

**Laura Iozelli, Amandine Orsini**
Regulating Climate Change: Assessing and Explaining the Legitimacy of Transnational Governance initiatives

**Lisa Sanderink, Naghmeh Nasiritousi**
Global Renewable Energy Governance Reconsidered: Strengthening Legitimacy and Effectiveness

**Jose Alcaraz, Katerina Nicolopoulou, Agni Kalfagianni, Francisco Tirado**
Cosmopolitanism and (Corporate) Accountability in the Anthropocene: A Framework for the Agri-Food Sector

**Cathrin Zengerling**
The Role of Cities in Combating Climate Change and the Depletion of Resources – Conceptual Framework of an Accountability Analysis

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**Allocation, Access and Equity 5 – The Politics of Fossil Fuel Subsidies and Their Reform: Overcoming Carbon Entanglement?**

**Venue – tbd**

**Chair: Jakob Skovgaard**

**Discussant: Hayley Stevenson**

**Peter Newell, Phil Johnstone**
The Political Economy of Incumbency: Fossil Fuel Subsidies in Global and Historical Context

**Harro van Asselt, Laura Merrill, Kati Kulovesi**
Pathways for Addressing Fossil Fuel Subsidies through the International Climate Regime

**Claudia Strambo, Ana Carolina González Espinosa, Angélica Johanna Puertas Velasco, Aaron Atteridge**
Privileged Coal: The Politics of Subsidies for Coal Production in Colombia

Michelle Scobie
Actors, Frames and Contexts in Fossil Fuel Subsidy Reform: The Case of Trinidad and Tobago

Adaptiveness, Resilience and Transformation 6 – Adaptive Rationality: Managing Uncertainty

Venue – tbd
Chair: Sander Chan
Discussant: Britta Horstmann

Markus Groth, Peer Seipold
Business Strategies and Climate Change – Prototype Development and Testing of a User Specific Climate Service Product for Companies

Ana Alicia Dipierrri
Management Adaptations under Climate Change. The case of Communal Irrigation Systems in Argentina

Klaus Eisenack, Matteo Roggero, Leonhard Kähler, Achim Hagen
Transnational Adaptation: Drawing lessons from the Economics of Mitigation

Christopher Luederitz, Linda Westman, Aravind Kundurpi, Alexander Mercado, Janetta Mckenzie, Scott Ninomiya, Sarah Burch
Governing Urban Sustainability: The Transformational Potential of Small Businesses and Pathways for Building Adaptiveness and Resilience of City-regions

Axel Michaelowa, Igor Shishlov, Dario Brescia
Evolution of the International Regulatory Regime and “Ecosystem” of the international Carbon Market Mechanisms Since the Late 1990s

Adaptiveness, Resilience and Transformation 7 – Together We Prevail, Divided We Fail:
Collaborative Governance

Venue – tbd
Chair: Jean Carlo Rodriguez
Discussant: Steffen Bauer

Chinwe Oramah, Kenneth Gould, Odd Einar Olsen
The Two Faces of Securitization in Risk Governance: a Study of Climate Change Adaptation in Nigeria

Theresa Schwenke, Dannieli Herbst Gerhardinger, Leopoldo Cavaleri Gerhardinger, Marion Glaser
Self-organizing Transformations: A Social-ecological Network Reaction to an Oil Spill in Babitonga Bay, Santa Catarina

Carolyn Brown
Governance and Global Environmental Change in Conflict-affected Countries of Central Africa

Mayowa Fasona, Peter Adeonipekun, Oludare Argboola, Akinlabi Akintuyi, Oluwatotoyin Ogundipe, Alabi Soneye, Ademola Omojola
Incentives for Collaborative Governance of Natural Resources: a Case Study of Forest Management in Southwest Nigeria

Y Yanuardi, Bettina Bluemling, Frank Biermann
Towards Sustainable Peace? The Social-ecological Dimensions of Post-conflict Governance in Aceh, Indonesia

Kathryn Jastremski
Fostering Transformations towards Sustainability in the Forest Sector and Forest Communities: Contributions to Sustainability and Resilience of Collaborative Governance Initiatives

Theoretical and Methodological Foundations 1 – Novel Conceptualizations of Earth System Norms, Law and Time

Venue – tbd
Chair: Stefan Aykut

Louis Kotzé
Jettisoning Environmental Law: The Case for Earth System Law in the Anthropocene

Beth Edmondson
Obligation Based Governance Models: Opportunities for New Environmental Sustainability Goals

Jeremy Bendik-Keymer
Social Process Obfuscation and the Anthroponomy Criterion

Rebecca Romsdahl, Gwendolyn Blue
Reasoning Together about Global Environmental Issues: Addressing Epistemic and Ontological Pluralism through Deliberative Framing

Frederic Hanusch
Deep Time Organizations – Learning Longevity from History
Parallel Panel Sessions 4

Tuesday, November 6 2018

09:00-10:30

Architecture 11 – Unpacking Complexity: Conceptual and Empirical Accounts of Complexity in Earth System Governance Architectures

Venue – tbd
Chair: Rakhyun Kim
Discussant: Oscar Widerberg

Brian Dermody
Decision Tools for Earth System Governance

Philipp Pattberg, Oscar Widerberg
Explaining Variation in Institutional Structure Across Global Environmental Regime Complexes

Marielle Papin-Manjarrez
Following the Mean Won’t Do Any Good: For a Complex Systems Approach of Global Climate Governance

Architecture 12 – Trade, Law and the Environment

Venue – tbd
Chair: Katja Biedenkopf

Mathilde Gauquelin
Approaches to Enforcing Environmental Commitments in Trade Agreements: Available Avenues and Potential Influence on the International Environmental Protection Regime

Denise Fernandes, David Ciplet
Renewable Energy Transition Tensions in the Global South: Interactions Between India and China in the UNFCCC and WTO and Implications for Global Climate Change Governance

James Angstadt
Green Courts, Governance, and the Domestic Implementation of International Environmental Law Norms

Magnus Benzie, Åsa Persson, Henrik Carlsen
Governing Transnational Climate Risk: Sweden’s Trade-related Climate Risk Profile
Architecture 13 – Earth System Governance for Blue Growth

Venue – tbd
Chair: Judith van Leeuwen
Discussant: Michelle Voyer

Wil Burns
Ocean-Based Negative Emissions Technologies and International Governance

Lisa Uffman-Kirsch
Participatory Consent in Blue Economy Decision-Making

Elana Wilson Rowe
Blue Growth and Arctic Ocean Governance Architecture

Michelle Voyer, Judith van Leeuwen
Does the Blue Economy have a Social License to Operate?

Michael Fabinyi, Gil Hizi, Kate Barclay, Wolffram Dressler
The National Vision of the Blue Economy in China

Martin Bohle, Kiley Arroyo, Eduardo Marone, Cornelia Nauen
Not Out of the Blue: Ethics to intersect Civic Participation and Formal Guidance

Agency 10 – The Politics of Infrastructure

Venue – tbd
Chair: Thomas Hickmann

Kayla Kelly-Slatten
Dam and Reservoir Systems: An Interdisciplinary Analysis of American Water Infrastructure

Christopher Gibson
Financialization Of Municipal Water Agencies: A Case Study in the American West

Amy Janzwood
Governing Stakeholders in the Anthropocene: Pipelines, Power and Private politics

Rossella Alba, Antje Bruns
A Glimpse Through the Kaleidoscope: Multiple Sites of Urban Water Governance in Accra, Ghana.

Agency 11 – Connecting Knowledge and Agency: Transdisciplinarity, Assessments, Games and Learning
Karin Gustafsson
Trustworthy Scientist – Trustworthy Knowledge Production. Studying IPCC’s Introduction of Early Career Scientists as an Effort to Regain Trust.

Stephanie John, Jens Newig, Judith Kahle, Daniel Lang, Matthias Bergmann
How Transdisciplinary Research can Benefit Sustainability Governance: Evidence from a Case Survey of 70 Completed Research Projects

Miriam Keppner
Transnational Municipal Networks and Climate Change Governance - a Case of Knowledge Co-production?

Lisette van Beek, Manjana Milkoreit, Roberta Weiner, Joost Vervoort
The Use of Serious Gaming in Global Climate Negotiations.

Farhad Mukhtarov, Janet Riley, Carel Dieperink, Peter Driessen
Collaborative Learning for Flood Risk Management: Sustainable Urban Drainage Systems as a Policy Innovation

Accountability, Legitimacy and Democracy 8 – Visions, the Future, and Just Representation in the Anthropocene

Venue – tbd
Chair: Tim Cadman

Jens Marquardt
Global Politics and the Anthropocene: Present Narratives, Future Visions

Andrea Felicetti
Legitimacy and Justice in the Face of a Resilient and Unsustainable Socioeconomic Context

Doris Huitink, Frank Biermann
Democracy Is in the Air? The Democratic Quality of Discourses on the Governance of Stratospheric Sulphur Injection

Claire Dupont
Political Representation of Future Generations in Climate Policy

Asim Zia
Global Democracy-Deficit in the Age of Anthropocene: Pros and Cons of Institutionalizing an Elected Global Parliament
Accountability, Legitimacy and Democracy 9 – The Ethics of Future-Making in the Anthropocene – I

Venue – tbd
Chair: Henrike Knappe and Silke Beck
Discussant: Maarten Hajer

Jonathan Pickering
Sustainability Meets Ecological Reflexivity: Virtues for Future-oriented Governance in the Anthropocene

Manuel Arias-Maldonado
Blooming Landscapes? Utopian Thinking in the Anthropocene.

Lauren Rickards, Andrew McGregor, Donna Houston
Cultivating Anthropocene Futures with Cattle

Alejandro Esguerra
Political Things and Governance Objects: Future-Making and the Transformation of Earth System Governance in the Anthropocene

Allocation, Access and Equity 6 – Just Transitions

Venue – tbd
Chair: Dimitris Stevis

Sharmini Gingras
Reconceptualizing Planetary Equity through the ILO’s Just Transition Agenda

Marie Claire Brisbois
The Use and Implications of Justice framings in the Political Activities of Decentralized Renewable Energy Producers

Vasna Ramasar
Energy Justice in a Post-Extractivist World: Development Possibilities for South Africa in a Transition to a Low Carbon System

Kyla Tienhaara
The Role of Equity in a Green Keynesianism

Allocation, Access and Equity 7 – Access and Allocation of Commons and Resources

Venue – tbd

Parallel Panel Sessions 4 – Tuesday, 6 November, 09:00–10:30
ieva Misiune
Governance of Ecosystem Services: the Challenge of Stakeholders’ Preferences

Philip Osano, Dona Barirani, Jan de Leeuw
Access and Allocation for Food Security and Land

Dominic Lenzi
Conservation Before Use: Common Ownership as a Constraint Against Degrading the Environmental Commons

Allocation, Access and Equity 8 – Justice in Development
Venue – tbd
Chair: Anne Kantel

Christoph Oberlack, Jean-David Gerber, Peter Messerli
Governance in Telecoupled Land Systems: the Case of Thilawa Special Economic Zone, Myanmar

Sechindra Vallury, Joshua Abbott, John Anderies
Technology Adoption and the Provision of Shared Infrastructure in Irrigation Systems with Storage

Joyeeta Gupta, Leisa Perch, Irene Dankelman, Joni Seager, Joeri Scholtens, Emma mullaney, Fülöp Sándor, Michael Jones
Re-imagining DPSIR from an Equity and Inclusive Development Perspective

Juliana Peixoto Batista, Julieta Godfrid, Hayley Stevenson
The Political Economy of Ecosystem Services in Argentina: Actors, Agendas and Interests

Jonathan Gamu, Cristina Yumie Inoue
Hidden Figures in Transnational Environmental Governance and the Micro-politics of Brazil’s Green Economy: The Soy Moratorium

Adaptiveness, Resilience and Transformation 8 – Adaptiveness Through Transformation(s)
Venue – tbd
Chair: Steffen Bauer
Discussant: Ines Dombrowsky

Katrien Termeer
Governing Sustainability Transformations Through Strategies of Small Wins: the Case of Circular Economy

Julia Tschersich, Stefanie Sievers-Glotzbach
Overcoming the Process-structure Divide in Conceptions of Social-Ecological Transformation: Assessing the Transformative Character and Impact of Change Processes

James Patterson  
Explaining Institutional Change? Testing Theoretical Propositions Through a Global Survey of Cities and Climate Change

Elizabeth Dirth, Giuseppe Feola, Dries Hegger, Sandra Van Der Hel, Rakhyun Kim, Heleen Mees, Joost Vervoort, Arjan Wardekker  
Between Governance and Transformations: Insights from a Meta-analysis of 180 Case Studies

Adaptiveness, Resilience and Transformation 9 – Climate-Related Extreme Events and Oceans Governance

Venue – tbd  
Chair: Mark Axelrod

D.G. Webster  
From Local to Global: Theory and Methods for Assessing the International Impacts of Climate-Related Extreme Events

Candace May  
Governing Resilience Through Power: Explaining Social Adaptations to Extreme Events in Coastal Louisiana

Candace May  
Coastal Community Resilience: A Comparative Case Study of Barriers and Opportunities for Sustainable Governance in the United States

Theoretical and Methodological Foundations 2 – Transformation as a Boundary Concept in Earth System Governance

Venue – tbd  
Chair: Jeremy Bendik-Keymer

Chris Riedy  
The Transformation Meme in Environmental Governance: An Institutional Disruptor

Ilkhom Soliev  
Toward Sustainable Transformations in a Complex World: Theory Building based on Meadows’ Leverage Points and Williamson’s Transaction Costs Economics

Laura Pereira, Kerry Brown  
Transformative Food System Governance in South Africa and India: Preliminary Findings and Methodological Innovation

Parallel Panel Sessions 4 – Tuesday, 6 November, 09:00–10:30
Parallel Panel Sessions 5

Tuesday, November 6 2018

13:30-15:00

Architecture 14 – The Promise and Limits of Polycentric Climate Governance

Venue – tbd
Chair: Harro van Asselt
Discussant: Jampel Dell’Angelo

Steven Bernstein, Matthew Hoffmann
Decarbonisation and Polycentrism: The Politics of Transformation

Katja Biedenkopf, Jørgen Wettestad
Harnessing the Market: Trading in Carbon Allowances

Karin Bäckstrand, Fariborz Zelli, Philip Schleifer
Legitimacy and Accountability in Polycentric Climate Governance: Challenges to Democracy in a Contested Terrain

Jan-Peter Voß, Fabian Schroth
Politics of Experimentation and Learning: How Democratic is Polycentric Climate Governance?

Andrew Jordan, Dave Huitema, Harro van Asselt
Governing Climate Change: The Promise and Limits of Polycentricity

Architecture 15 – Climate Change Governance: Treaty Implementation, Polycentricity, National-local Linkages

Venue – tbd
Chair: Lukas Hermwill

Cristián Flores
Challenges for Polycentric Governance of Water and Forests in Chile. Critical Review in the Context of the Chile’s Nationally Determined Contribution.

Michael Adrian Padilla, Yasushi Asami, Tetsuo Kidokoro
Examining the Factors Affecting the Variations in the Ability to Make Progress in Climate-Sensitive Land-Use Planning of Municipalities in Metro Manila, Philippines

Parallel Panel Sessions 5 – Tuesday, 6 November, 13:30–15:00
Alexandra Lesnikowski
Measuring Policy Integration in Multilevel Governance Environments: An Analysis of vertical Policy Coherence in Six Countries

Fee Stehle
Cages or Carpets? National Domestic Contexts of Urban Climate Actions

Matthew Gitsham, Ajit Nayak, Jonathan Gosling
Mapping Gaps in Polycentric Governance: What Earth System Governance Demands are the Private Sector Making of the State?

Agency 12 – Transnational Governance & the UN Sustainable Development Goals: Exploring New Frontiers

Venue – tbd
Chair: Stacy VanDeveer
Discussant: Tabitha Benney

Stacy VanDeveer, Graeme Auld, Michele Betsill
Transnational Sustainability Governance in the Extractives Sector: Lessons from the Gold Lifecycle

Jonathan Stripple, Harriet Bulkeley
New Finance, New Actors: Reshaping Flows of Finance Beyond Carbon

Sander Chan, Idil Boran, Harro van Asselt, Michelle Scobie, Navam Niles, Katharine Rietig, Gabriela Iacobuta, Jennifer Bansard, Deborah Delgado-Pugley, Laurence Delina, Paula Ellinger, Okechukwu Enechi, Lukas Hermwille, Matthias Honegger, Stephanie La Hoz Theuer, Robert Mizo, Yixian Sun, Patrick Toussaint, Wangeci Wambu
The More the Merrier? Non-state Actions for Climate Resilient and Sustainable Development

Dumisani Chirambo
Emerging Principles for Enhancing Global Governance and Sustainable Development through Climate Finance and the Informal Economy

Agency 13 – New Alliances, Governance Coalitions and Networks

Venue – tbd
Chair: James Patterson

Thomas Hickman
New Alliances in Global Environmental Governance: International Bureaucracies and Sub- & Non-State Actors

Eve Bourgeois
Governing Coalitions and Municipal Climate Change Policy

Antonija Bogadi
Identifying the Key Actors for Ecological Knowledge Diffusion in Urban Environmental Governance Networks

Katharine Rietig
Leveraging the Power of Policy Learning via Non-national Actor Networks Across the United States

Agency 14 – Tipping Points, Transformation and Systemic Change

Venue – tbd
Chair: Cristián Gabriel Flores Fernández

Ilona Otto, Jonathan Donges, Avit Bhowmik, Roger Cremades, Wolfgang Lucht, Hans Schellnhuber, Johan Rockstrom
Social Tipping Elements Instrumental for Decarbonisation by 2050

Vasna Ramasar, Chad Boda, Mine Islar, Maryam Nastar
Transformative Politics for Sustainability: Conceptual Tensions, Practical Synergies and Complementarity at the LUCID Research School

Franziska Ehnert, Markus Egermann
‘My Voice, My Place, My Project’: Citizen Empowerment for an Urban Transition towards Sustainability

Sanne Akerboom
The Impossible Energy Transition. Identifying Obstructing Legal Structures and Underlying Goals: How Law Effectively Limits Progress and How That Can Change

Accountability, Legitimacy and Democracy 10 – Expertise, Knowledge, Participation in Governance

Venue – tbd
Chair: Fee Stehle

Isabel Díaz Reviriego, Esther Turnhout, Alejandro Esguerra, Josef Settele
Logics of Participation in IPBES: Perspectives, Experiences and Practices

Larissa Koch
The Role of Scientists in the German Energy Transition

Ina Möller
Can we govern Geoengineering Research? Political Perspectives From the Global Climate Society
**Lala Huseynova, Hayley Walker**  
Communication and Rhetoric in the Irish Citizens’ Assembly on Climate Change

**Ricardo Novaes, Karina Berg, Angelo Lima, Fatima Casarim, Vladimir Caramori**  
Assessing the Effectiveness of Water Policy and Governance in Brazil; the Water Governance Observatory as a Collaborative and Independent Platform.

**Karen Siegel**  
Interpreting the Concept of Sustainable Development: The Case of Agricultural Land Use in Uruguay

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**Accountability, Legitimacy and Democracy 11 – The Ethics of Future-Making in the Anthropocene – II**

**Venue – tbd**  
**Chairs: Alejandro Esguerra and Eva Lövbrand**  
**Discussant: Anthony Burke**

**Delf Rothe, Ann-Kathrin Benner**  
Anthropocene Genealogies: Cold War Legacies in the Discourse on the Human Epoch

**Malin Mobjörk, Eva Lövbrand**  
The Anthropocene and the Geopolitical Imagination: Tracing Travelling Notion of Environmental Risk and Security

**Henrike Knappe**  
Who Speaks for the Future? Political Representation in the Anthropocene

**Silke Beck**  
Exploring the Performative Power of Pathways in Evidence-based Policy-making: The Role of Negative Emissions Technologies in the Climate Regime

**Desirée Fiske**  
Humans and Socio-cosmological Implications in the Anthropocene

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**Allocation, Access and Equity in Earth System Governance 9 – How Knowledge and Vulnerability Matter for Justice**

**Venue – tbd**  
**Chair: Sonja Klinsky**

**Nidia Gonzales, Sabina Reinecke**  
Exploring integrated technological infrastructure systems and indigenous traditional ecological knowledge toward innovation on forest governance

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Parallel Panel Sessions 5 – Tuesday, 6 November, 13:30–15:00  

31
Geoffrey Nwaka
Using indigenous knowledge to protect the environment, and to respond to climate change in Nigeria/Africa

Sébastien Jodoin
Including Persons with Disabilities in Earth System Governance

Allocation, Access & Equity 10 – Social Equity for Ocean Governance

Venue – tbd
Chair: Yoshitaka Ota
Discussant: Gerald Singh

Lydia Teh, Yoshitaka Ota, Richard Caddell, Eddie Allison, Jack Kittinger, Katrina Nakamura
Human Rights and Socially Responsible Seafood – an Opportunity for Enhancing Social Equity in Fisheries?

Yoshitaka Ota, Andres Cisneros-Montemayor, Gabriel Reygondeau, William Cheung, Vicky Lam, Wilf Swartz, Gerald Singh
From Ocean Governance to Human Security: The Architecture of Entitlement for Marine Living Resources

Gerald Singh, Andres Cisneros-Montemayor, Yoshitaka Ota
Planning Earth System Governance Through Assessing the Interlinkages of Sustainable Development Goals

Katherine Seto, Quentin Hanich
21st Century Allocation: Using Precedents & Applying Principles for Equitable Allocation of Fish in Regional Fisheries Management Organizations (RFMO)

John Parks, Wilf Swartz
Role of Non-State Actors in International Ocean Initiatives

Adaptiveness, Resilience and Transformation 10 – Adaptiveness in Earth System Governance

Research: Taking Stock and Looking Ahead

Venue – tbd
Chairs: Steffen Bauer, Britta Horstmann

Bernd Siebenhüner, Riyanti Djalante

Emily Boyd, Izabela Delabre
Conceptualizing ‘Anticipation’ as a Normative Ideal of Climate Governance
**Annie Montpetit, Guy Chiasson, Frédérik Doyon**
The Operational Design of Climate Change Adaptive Capacity Assessments: Conceptual Approaches, Normative Choices and Policy Considerations

**Dumisani Chirambo**
The Roles of Social Innovation and Community Science in Enhancing Earth System Governance and the Implementation of Intended National Determined Contributions (INDCs)

### Adaptiveness, Resilience and Transformation 11 – Urban Resilience: Choices, Visions, Politics, and Governance Approaches

**Venue – tbd**  
*Chair: Arjan Wardekker*  
*Discussant: Heleen Mees*

**Arjan Wardekker**
Framing Urban Resilience: Different Perspectives on Resilient Cities and Their Impact on Adaptation Governance

**Carel Dieperink**
Towards Design Principles for Enhancing Urban Flood Resilience, A Comparative Study on Required Governance Conditions in 18 European Areas

**Benedikt Marschuetz, Arjan Wardekker**
Narratives of Change for a Resilient Future City

**Marta Berbés-Blázquez, David Iwaniec, Darin Wahl, Elizabeth Cook, Melissa Davidson, Nancy Grimm,**  
**Tischa Muñoz-Erickson**
Envisioning Resilience and Transformation in Cities: A Case Study from Scenario Planning in South Phoenix, AZ

**Roger Hildingsson, Håkan Johansson, Jamil Khan**
Urban visions as (contested) Imaginaries on Sustainability and Welfare

### Theoretical and Methodological Foundations 3 – Fragmentation and Integration in Earth System Governance

**Venue – tbd**  
*Chair: Farhad Mukhtarov*

**Robbert Biesbroek**
Tracking Integration of Climate Change Adaptation Globally

**Michael Schoon, Jacopa Baggio, Sechindra Vallury**
Managing Networked Landscapes: Conservation in a Fragmented, Connected World

Parallel Panel Sessions 5 – Tuesday, 6 November, 13:30–15:00
Michael Adrian Padilla, Yasushi Asami, Tetsuo Kidokoro
Examining the Factors Affecting the Variations in the Ability to Make Progress in Climate-Sensitive Land-Use Planning of Municipalities in Metro Manila, Philippines

Abril Cid, Dulce Cano, Vania Montalvo, Karina Ruiz-Bedolla, Marina Romero-Cázares, Itzel Jiménez-García, Alejandro Monterroso-Rivas
Local Institutional Capacity for Climate Change Adaptation in Mexico: A Multidimensional Approach

Theoretical and Methodological Foundations 4 – Bridging the Global-Local Divide in Earth System Governance

Venue – tbd
Chair: Harry Barnes-Dabban

Adis Dzebo, Richard Klein, Åsa Persson
Adapting to Climate Change is a Global Challenge

Delia Paul, Megan Farrelly, Briony Rogers
Methodological Challenges in Applying an Earth System Governance Framework to the Study of Water Governance

Noelle Selin, Henrik Selin
Integrating Science and Engineering with Earth System Governance: The Case of Mercury Pollution

Laura Pereira, Joost Vervoort
Addressing Scale Mismatches of Scenarios for Effective Sustainable Development Decision Making.

Matías Franchini, Ana Evangelista Mauad, Eduardo Viola
Exploring Local-National Linkages in Climate Change Governance: Argentina and Buenos Aires, Brazil and São Paulo, and Mexico and Mexico City.
Parallel Paper Sessions 6

Wednesday, November 7 2018

09:00-10:30

Architecture 16 – Climate Change Governance: Inter-linkages and Governance Strategies

Venue – tbd
Chair: Sikina Jinnah

Charlotte Unger, Konrad Gürtler
The Climate and Clean Air Coalition as a Transnational Governance Club?

Navam Niles
Integrating Climate Concepts Within a Unified Framework to Understand Complexity and Interdependence

Ilkhom Soliev, Wiebke Schramm, Insa Theesfeld
Identifying Sustainable Configurations with Shared Benefits in Forest Governance

Annabelle Workman, Grant Blashki, Kathryn Bowen, David Karoly, John Wiseman
The Complexities of Climate Change Policy Development and Governance: Insights Gained from Examining the Role of Health Co-Benefits

Architecture 17 – Governance Theory and Governance Strategy: Integration, Interplay, Synergies, Issue Coupling

Venue – tbd
Chair: Jakob Skovgaard

Nicolas Jager, Edward Challies, Bendetta Cotta
Bridging the Gap Between Integration and Fragmentation in Sustainability Governance – a Framework of Mechanisms Linking Governance Architecture and System’s Sustainability Performance

Carolina Adler, Jörg Balsiger
Twenty Years of Regional Governance in mountain Areas: Key Lessons and Challenges

Jen Allan
Consciously Coupling in the Chemicals and Wastes Regimes

Malgorzata Smieszek
The Effects of the Institutional Dynamics and the Evolution on the Institutional Interplay and Effectiveness: The Case Study of the Arctic Council

Vicky Ariyanti, Jurian Edelenbos, Peter Scholten

Daniel Schweigatz
Analysing Inter-sectoral Interdependencies Through Ecosystem Services: A Social Ecological Network Approach to Account for Cross-sectoral Aspects in Environmental Governance

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Agency 15 – Climate Politics: Negotiation, Cooperation and Leadership

Venue – tbd
Chair: Ortwin Renn

Matias Franchini, Eduardo Viola
It’s Not (Only) Trump! The Challenges of Climate Cooperation in an Increasingly Conflictive World

Claire Dupont, Sebastian Oberthür
EU Climate Leadership Revisited

Marian Feist
Post-agreement Negotiations in Global Climate Politics

Maria Jernnäs, Jens Nulsson, Andreas Duit, Björn-Ola Linnér
Climate Governance Under Geopolitical Change: A Cluster Analysis of States' Contributions to the Paris Agreement

Lucas du Pre, Karen Meijer
Explaining the Behavior and Influence of UN Agencies on Climate Change and Security Related Measures and Resolutions

Matto Mildenberger
The Logic of Double Representation in Climate Politics

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Parallel Panel Sessions 6 – Wednesday, 7 November, 09:00–10:30
Stefan Renckens
Private Rule-Makers as Lobbyists: Exploring the Interest Representation Activities of Transnational Private Sustainability Governance

Janina Grabs, Graeme Auld, Benjamin Cashore
Switching Between Lenses for a Better View: A Critical Review of Theoretical Approaches to Private Regulatory Governance

Yixian Sun
Fertile Ground Without Seeds: Re-visiting Limitations of Transnational Sustainability Governance in China’s Tea Sector

Philip Schleifer, Matto Fiorini, Luc Fransen
Governing Tropical Agriculture through Voluntary Standards: A Mapping Analysis

Dorine Leeuwerik, Greetje Schouten, Hilde Toonen
Transnational Sustainability Governance: Understanding Legitimacy Challenges in the Global South

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Agency 17 – Cities and City Networks as Agents in Environmental Governance

Marielle Papin-Manjarrez
Both Structure and Actor: The Elaborated Strategy of Transnational Municipal Networks to Influence Global Climate Governance

Supraja Sudharsan
Global Problems and Local Solutions: Building a Capacity Framework for the Study of Earth System Governance

Marcos Mendes
Public Policies and Transnational City-networks: Strengthening the Agency on Global Climate Change Governance

Milja Heikkinen, Sirkku Juhola, Aasa Karimo, Johannes Klein, Tuomas Ylä-Anttila
The Effect of Transnational Municipal Network Participation on Urban Climate Change Adaptation. A Study of 401 Cities Around the World

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Parallel Panel Sessions 6 – Wednesday, 7 November, 09:00–10:30
Accountability, Legitimacy and Democracy 12 – Localness of Earth System Governance:
Smallholders and Communities and the International Environmental Regime Complex

Venue – tbd
Chair: Wil de Jong
Discussant: Bas Arts

Pablo Pacheco
The Palm Oil Policy Regime Complex: Challenges for Smallholders and Local Governance

Benno Pokorny
The Double-edged Sword of Legality: Looking on Global Initiatives for Legal Timber Trade from a Local Perspective

Ira Shefer
Transnational Multi-actor Interactions: Implications for Domestic Climate Governance

Thomas Eimer, Sabrina Shanto, Renata Santos
Between Greening and Grabbing: Transnational Environmental Actors, Domestic Institutions, and Indigenous Land Rights

Veronica Goncalves
Forest Carbon Offset in Brazil: Actors and Networks of Resistance

Chris Höhne
Domestic Norm Glocalization

Allocation, Access and Equity 11 – Gender, Fairness and Justice

Venue – tbd
Chair: Amandine Orsini

Maryse Helbert
Gender, Lithium and the Equitable Distribution of Resources

Andrea Collins
Prospects for Accountability: Gender, Rights, and Justice in Global Food Governance

Louis Lebel, Phimpahkan Lebel, Kanokwan Manorom, Zhou Yishu
Gender in Development Discourses of Civil Society Organizations Engaged in Mekong Hydropower Development Deliberations

Anne Jerneck
What About Gender in Climate Change? Twelve Feminist Lessons from Development
Allocation, Access and Equity 12 – Operationalizing Planetary Justice

Venue – tbd
Chair: Elizabeth Dirth

Aarti Gupta, Sonja Klinsky
The Practices of Multilateral Climate Governance: Blunting the Politically Contested Edge of Equity?

Dimitris Stevis, Romain Felli
Planetary Just Transitions? Towards a Systematic Analysis

Michelle Scobie
Planetary Justice and the Ocean and Climate Regimes

Adaptiveness, Resilience and Transformation 12 – Perspective Matters: Scales, Levels and Constructions

Venue – tbd
Chair: Ines Dombrowsky
Discussant: Mirja Schoderer

Elke Kellner, Christoph Oberlack
Adaptive Capacity in Polycentric Climate Governance: The Case of Multifunctional Water Use in Oberhasli, Switzerland

Elisa Kochskämper, Thomas Koontz, Jens Newig

Aysem Mert
Deconstructing the CAP: Global Versus Grassroots Influences on Urban Climate Adaptation

Marieke Veeger, Franklin Paniagua Alfaro, Joost Vervoort
The Impact of Transformative Global Goals on National and Regional Processes of Anticipatory Governance

Yi Hyun Kang
Policy Transformation Analysis: Comparative Case Study of Water Management in South Korea and Germany

Adaptiveness, Resilience and Transformation 13 – Institutional Shifts, Shifting Institutions

Venue – tbd
Chair: Britta Horstmann
Discussant: Sander Chan

Gabrielle Kissinger, Aarti Gupta, Ivo Mulder, Natalie Unterstell
Climate Financing Needs in the Land sector Under the Paris Agreement: an Assessment of Developing Country Perspectives

Sanchayan Nath, Frank van Laerhoven, Saidur Rahman
Institutions and Trade-offs between Climate-Resilience and Livelihood-Vulnerability in Socio-Hydrological Systems

Cristina Zurbriggen
Transformation- Lab for Sustainable Futures: Science, Art and Politics

Pieter Pauw, Timmons Roberts
Neoliberalism and the Uncertain Future of Funding International Agreements: a Review of 26 Agreements on Climate, Environment and Development

Roberto Sanchez-Rodriguez
Learning from the Role of Institutions in Climate Change Adaptation and Disaster Risk Reduction

Rosewine Joy
Transforming Institutions in Transitional Societies of Rural India

Theoretical and Methodological Foundations 5 – Model-based Research Approaches

Calum Brown
The Potential of Models of Agency in Climate Change Adaptation

Rohan Bhargava, Joost Vervoort, Laura Pereira, Timon McPhearson
Utilizing Local Initiatives and Bottom-up Scenarios to Enhance IAMs and inform Policymakers

Christophe Cassen, Béatrice Cointe
Organising Policy-relevant Knowledge for Climate Action: Integrated Assessment Modelling, the IPCC, and the Emergence of a Collective Expertise on Socioeconomic Emission Scenarios

Matto Mildenberger, Michaël Aklin
Prisoners of the Wrong Dilemma: Why Distributive Conflict, not Collective Action, Characterizes the Politics of Climate Change

Theoretical and Methodological Foundations 6 – Scenarios, Foresight and Anticipation

Parallel Panel Sessions 6 – Wednesday, 7 November, 09:00–10:30
Joost Vervoort
Changing the Rules: Game Co-design as a Futures Method for Inquiry and Experimentation with Systems of Environmental Governance

Lucas Rutting, Joost Vervoort, Heleen Mees, Peter Driessen
Analysing the Politics of Foresight for Social-ecological Systems Governance

Mandy van den Ende
Opening up Anthropocene Futures: Integrating Pluralistic, Practice-based Bottom-up Pathways into Global Environmental Assessments

Nadia Sitas, Zuzana Harmáčková, Mireia Valle

Scott Janzwood
What Constitutes Catastrophe? Thickening the Thin Concept of Global Catastrophic Risk

Theoretical and Methodological Foundations 7 – Novel Technologies in Earth System Governance

Venue – tbd
Chair: Janos Pasztor

Matthias Honegger, Joshua Horton, Pete Irvine
Climate Engineering and the Sustainable Development Goals: Toward an Assessment Framework

Angela Oels
Risks and Opportunities of Digitisation for the Sustainability Transition: Enacting Self-driving Vehicles as ‘Safe’

Beate Friedrich, Lena Partzsch
Nature and Power Relations: The Multifaceted Conflict over Genetically Modified Maize Cultivation in Germany
Parallel Panel Session 7 – Innovative Sessions

Wednesday, November 7 2018

13:30 – 15:00

Innovative Session 1 – Anticipatory Climate Governance in the World’s Most Vulnerable Regions

Venue – tbd

Joost Vervoort, Aarti Gupta, Frank Biermann, Phil Macnaghten, Charlotte Ballard, Maliha Muzammil, Karlijn Muiderman, Marieke Veeger, Lucas Rutting, Rathana Peou

Innovative Session 2 – From Tragedy to Survival? Remembering 50 years of the Theory of the Commons

Venue – tbd

Tatiana Kluvankova, Leticia Merino

Innovative Session 3 – Governing Geoengineering: How to Bring Accountability, Legitimacy, and Democracy to Climate Engineering

Venue – tbd

Paul Wapner, Frank Biermann, Aarti Gupta, Matthias Honegger, Simon Nicholson, Sikina Jinnah, Janos Pasztor, Jesse Reynolds

Innovative Session 4 – How can the Earth System Governance Community Effectively Contribute to the Implementation of the SDGs?

Venue – tbd

Flurina Schneider, Theresa Tribaldos

Innovative Session 5 – Low-Carbon Finance

Venue – tbd
Bregje van Veelen, Mark Cooper

Innovative Session 6 – Visualising Data in an Age of Institutional Complexity

Venue – tbd

Tim Cadman, Oscar Widerberg

Innovative Session 7 – Roundtable Discussion on the Role of Philanthropic Foundations in Environmental Governance

Venue – tbd

Rebecca Gruby, Ash Enrici, Linda Shi, Yoshitaka Ota, Daniel Charles Miller, Agni Kalfagianni

Innovative Session 8 – Roundtable Discussion on Mineral Governance for Green Technologies

Venue – tbd

Saleem Ali, Stacy VanDeveer, Rakhyun Kim

Innovative Session 9 – Roundtable on Knowledge Production and Validation in Global Megatrends and Earth Systems Governance: Power, Gender and Intersectional Issues

Venue – tbd

Sarah Cornell, Michelle Dyer

Innovative Session 10 – Meet Your Journal Editors and Publishers

Co-hosted by University of Toronto, The Munk School of Global Affairs and Public Policy, Canada

Venue – tbd

Steven Bernstein, Elizabeth Dirth, Joyeeta Gupta, Matthew Hoffman, Sikina Jinnah, Erika Weinthal, Oran Young

Innovative Session 11 – Beyond Cockpit-ism

Co-hosted by PBL Netherlands Environmental Assessment Agency

Venue – tbd

TBD
Parallel Paper Sessions 8

Wednesday, November 7 2018

15:30-17:00

Architecture 18 – Governance Innovations: SDGs, Digital Solution, Visualization

Venue – tbd
Chair: Elana Wilson Rowe

Lisa-Maria Glass, Jens Newig
Governance for Achieving the Sustainable Development Goals (SDGs): How Important Are Participation, Adaptive Governance, Reflexivity, Coherence and Democratic Institutions?

Brianna Scrimshaw Botchwey
Beyond Targets and Indicators: Measuring the Impact of the Sustainable Development Goals

Marcel Dorsch
(R)evolutions of Global Cooperation? Prospects of Global Polycentric Governance for Sustainability in the Digital Age

Navam Niles
Understanding and Visualising the Evolution and De-evolution of Complex Multi-Scale Global Sustainability Governance

Architecture 19 – Water Governance: Collaboration, Interplay and Local Varieties

Venue – tbd
Chair: Diego Osorio

Mirja Schoderer, Ines Dombrowsky
Form Follows function? Problems of Interplay in Mongolia’s Water Governance Framework and Lessons for Water Governance Architectures in Developing Countries

Daniel Hogendoorn, Arthur Petersen, Arjen Zegwaard
Difficult Travels: Why Delta Plans Don’t Land in the Chao Phraya Delta

Thinh Ha, Carel Dieperink, Tri Van Pham Dang, Henriëtte Otter, Piet Hoekstra
The Governance Conditions for Adaptive Fresh Water Management in the Vietnamese Mekong Delta

Ines Dombrowsky, Oliver Hensengerth
Governing the Water-Energy-Food Nexus Related to Hydropower on Shared Rivers – the Role of International River Basin and Regional Energy Organizations

Agency 18 – Discourses, Meaning and Sense-making in Environmental Governance

Venue – tbd
Chair: Lars H. Gulbrandsen

Chris Riedy, Jennifer Kent, Nivek Thompson
Meaning Work: Reworking Institutional Meanings for Environmental Governance

Eduardo Gresse
Non-state Actors and the Diffusion of the 2030 Agenda in Brazil: An Interpretive Research on the Sense-making and Social Engagement with Global Norms

Milan Chen
Who Talks About Climate Change in Taiwan? Drawing Evidence from Facebook

Hendrik van der Linden, Frank Biermann, Rakhyun Kim, Matthias Honegger
Who Talks About Climate Change in Taiwan? Drawing Evidence from Facebook

Agency 19 – Follow the Money: Financial Actors in Climate Politics

Venue – tbd
Chair: Geoffrey Nwaka

Pim ten Haaf, Mattijs Smits
Urban Climate Finance and Decentralization in Centralized States: A Case Study on Authority Shifts in Da Nang and Ho Chi Minh City, Vietnam.

Duminisani Chirambo
The Roles of South-South Climate Change Governance Systems and South-South Climate Finance in Fostering Sustainable Development and Enhancing Environmental Management in Developing Countries

Niek Daamen, Graham Tennant-Green, Joyeeta Gupta
Investing and Divesting in Fossil Fuels: Pension Funds in the Netherlands and the United Kingdom

Barbara Hermann, Louise Burrows, Vivienne Legg, Joyeeta Gupta
Development Cooperation and Fossil Fuels: The case of US, UK and German aid to India

Allocation, Access and Equity 13 – Foundations for Planetary Justice in Earth System Governance
Elizabeth Dirth, Frank Biermann, Agni Kalfagianni
What Do We Mean When We Talk About Justice? An Analysis of the Narratives of Planetary Justice used in Environmental Governance Research

Brendan Coolsaet, Neil Dawson, Esteve Corbera, James Fraser, Adrian Martin, Iokine Rodriguez
Justice vs. Equity in Global Environmental Governance

Ingrid Robeyns, Colin Hickey
Planetary Justice: What Can We Learn from Ethics and Political Philosophy?

Sabine Selchow, Glenda Sluga
Thinking through the Planetary Allocation, Access and Equity

Alfredo Doczi

Allocation, Access and Equity 14 – Access and Equity for Resilience and Transformative Forest Governance to Tackle Climate Change and Biodiversity Loss in a Complex World

Thuy Pham, Grace Wong, Moira Moeliono, Maria Brockhaus

Natalya Yakusheva, Maria Brockhaus
Whose Voices Are Heard and Why? Advocacy Coalitions in the European Union LULUCF Negotiations

Torsten Krause, Tobias Nielsen, Veiko Lehsten, Ola Olsson, Fariborz Zelli
What Future for Primates? Conservation Struggles and Multi-level Governance for REDD+ in Cross River State, Nigeria

Andrea Downing, Odirlwe Selomane, Michelle Dyer, Grace Wong, Patrick Flege, Amanda Jimenez Aceituno
The Mathematics of Sustainable Development: Analyzing the Cross-scale and Telecoupling Effects of China’s Reforestation Program on Climate Change and Biodiversity

Kaisa Korhonen-Kurki, Thuy Pham, Cynthia Maharani, Moira Moeliono, Maria Gebara, Natalya Yakusheva, Maria Brockhaus
Participation in the National REDD+ Climate Policies – From Consultation Towards Empowerment?
**Adaptiveness, Resilience and Transformation 14 – Be Prepared! Learning to Live with Climate Change**

*Venue – tbd*

*Chair: Carmen Richerzhagen*

*Discussant: Mirja Schoderer*

**Markus Groth, Steffen Bender, Stephan Bürger, Lennart Mertes**

A District Level Climate Change Vulnerability Index for Flood Risks – Concept, Implementation and Results for the City of Kiel

**Asim Zia**

Do Climate Risk Perceptions Induce Behavioral Change and Policy Action? Machine Learning the Feedback Effects from Perceived Risks to Mitigation of Climate Change

**Bernd Siebenhüner, Torsten Grothmann, Dave Huitema, Angela Oels, Tim Rayner, John Turnpenny**

Lock-ins in Climate Adaptation Governance. Conceptual and Empirical Approaches

**Maaz Gardezi, J Arbuckle**

Techno-optimism and Farmers’ Attitudes toward Climate Change Adaptation

**Daniel Nohrstedt, Charles Parker**

Assessing the Influence of Natural Hazards on National Disaster Risk Reduction

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**Adaptiveness, Resilience and Transformation 15 – Scaling up Successful Strategies for Climate Change Adaptation and Transformations of Earth System Governance Through Archetype Analysis**

*Venue – tbd*

*Chair: Christoph Oberlack*

*Discussant: Susanne C. Moser*

*Panel co-organizers: Susanne Moser, Klaus Eisenack, David Manuel-Navarrete*

**Susanne Moser**

Tracking Progress on the Intractable: Linking Key Dimensions of Adaptation Success with Strategies to Overcome Adaptation Finance Challenges

**Anastasiia Gotgelf, Matteo Roggero, Klaus Eisenack**

Archetypical Opportunities for Water Governance Adaptation to Climate Change

**Carolina Adler**

How Do We Know It Works, and Could It Work Elsewhere? An Empirical Exploration on What Is Considered Transferable Across Cases.
Theresa Tribaldos, Flurina Schneider, Christoph Oberlack, Stephan Rist
Governance of Sustainability Problems through Transdisciplinary Research: Archetypical Pathways to Impact in Agricultural Systems

Christoph Oberlack, Andrea Winiger, Patrick Kupferschmied, Markus Giger, Peter Messerli, Stephan Rist
Archetypical Strategies for Safeguarding Community Access to Land and Natural Resources in the Global Land Rush

Theoretical and Methodological Foundations 8 – Complexity and Systems-Oriented Approaches

Henrik Selin, Noelle Selin
A New Conceptual Framework for Analysing the Effectiveness of Multilateral Environmental Agreements

Marielle Papin-Manjarrez
Following the Mean Won’t Do Any Good: For a Complex Systems Approach of Global Climate Governance

Esther Meyer, Gregor Schmieg, Isabell Schrickel
Understanding the Evolution of Complexity Thinking in the Context of Earth System Governance

Judith van Leeuwen, Simon Bush
Governing Marine Plastic Pollution: An Environmental Flows Perspective

Theoretical and Methodological Foundations 9 – Mobilizing the Future for Earth System Governance

Karlijn Muiderman, Aarti Gupta, Joost Vervoort, Frank Biermann
Diverse Understandings of Anticipatory Climate Governance: Theory and Practice

Astrid Mangnus, Joost Vervoort, Steven McGreevy, Kazuhiko Ota, Momoe Oga, Mai Kobayashi, Christoph Rupprecht
New Pathways for Governing Urban Food System Transformations: a Pluralistic Practice-based Futures Approach Using Visioning, Back-casting and Serious Gaming
Joost Vervoort
Changing the Rules: Game Co-Design as a Futures Method for Inquiry and Experimentation with Systems of Environmental Governance

Karsten Schulz, Oskar J. Gstrein, Andrej J. Zwitter
Governing SDG Implementation through Blockchain Technology: Limitations and Possibilities

Jesse Hoffman, Peter Pelzer, Maarten Hajer
Techniques of Futuring: The Search for Soft Spaces to Break out the Climate Deadlock

**Theoretical and Methodological Foundations 10 – Climate Engineering: An Emerging Challenge for Earth System Governance**

Venue – tbd
Chair: Jesse Reynolds
Discussant: Ruben Zondervan

Jesse Reynolds, Joshua Horton
Climate Engineering and Earth System Governance in the Anthropocene

Matthias Honegger, Joshua Horton, Pete Irvine
Climate Engineering and the Sustainable Development Goals: Toward an Assessment Framework

Ina Möller
Can We Govern Geoengineering Research? Political Perspectives from the Global Climate Society

Florian Rabitz, Leta Bielinytė
Managing Institutional Complexity in Geoengineering Governance

**Theoretical and Methodological Foundation 11 – Science, Knowledge and Uncertainty**

Venue – tbd
Chair: Tabitha Benney

Mark Axelrod, D.G. Webster
Scientific Uncertainty and Decision-making on Tuna Regional Fisheries Management Organizations

Jennifer Bansard

Nidia Gonzalez
Exploring Connectedness to Co-produce Knowledge between Western and Indigenous Ontologies
Christopher Orr
The Dominant Belief System on the Economy and the Environment in Canada: Evidence from Elite Perspectives Using Q Methodology