

Conference
2018 Utrecht

Earth
System

Governance



Governing global sustainability in a world
complex

5 - 8 November 2018



Universiteit Utrecht



Earth
System
Governance

Conference Co-Hosts:



Universiteit Utrecht

Strategic Programmes
“Institutions for Open Societies”
“Pathways to Sustainability”



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About the Conference

The 2018 Utrecht Conference is the tenth event in the global series of Earth System Governance conferences that started in 2007.



In this long-standing event series, the Utrecht Conference holds a special status: in 2018, the Earth System Governance Project's Science and Implementation Plan from 2009 will be replaced by a new 10-year science plan; and new, enthusiastic leadership will take over the helm of our project.

The 2018 Utrecht Conference will hence focus on harvesting and showcasing the many findings of our community over the last decade in more than 90 panels, but also through a large number of special taskforce activities. All this will aid in providing a more holistic picture of what has been done, what is currently being done, along with a bold outlook into the future challenges in earth system governance research.

The conference will be organized around six thematic streams:

*A*rchitectures of Earth System Governance

*A*gency in Earth System Governance

*A*ccountability, Legitimacy and Democracy in the Anthropocene

*A*llocation, Access and Equity in Earth System Governance

*A*daptiveness, Resilience and Transformation of Earth System Governance

*T*heoretical and Methodological Foundations of Earth System Governance

About the Hosts

The 2018 Utrecht Conference on Earth System Governance is hosted by Utrecht University and will be held at different locations in the historic city centre of Utrecht, and on 8 November at Utrecht University's modern science park 'De Uithof'. The local host of the conference is the Copernicus Institute of Sustainable Development, which is part of the Faculty of Geosciences at Utrecht University.



Universiteit Utrecht

Faculty of Geosciences
Copernicus Institute of Sustainable Development

The Copernicus Institute has been set up to develop high-quality knowledge on sustainable development issues in order to have a positive impact on the global transition to a sustainable society. Given the integrated nature of sustainable development challenges, multidisciplinary research is key. The Copernicus Institute integrates knowledge especially from four central fields: Energy and Resources, Environmental Governance, Environmental Sciences, and Innovation Studies.

Utrecht's Faculty of Geosciences will host, from 1 January 2019 onwards, also the International Project Office of the Earth System Governance Project, as well as the editorial office of the Project's new flagship journal, *Earth System Governance*.



**Earth
System
Governance**

The Earth System Governance Project is a global network for collaborative research on the governance dimensions of global environmental change and earth system transformations. Our research addresses governance processes and institutions at all levels of decision-making, from local to global, but always within a planetary perspective. The programme is interdisciplinary with a firm grounding in the social sciences and humanities,

and covers research on all regions and sectors. While the Earth System Governance Project is first and foremost a research-based network, it also engages in global collaboration in teaching, capacity building, and stakeholder engagement.

Over the last decade, the Earth System Governance Project has grown into the largest global network of institutions and researchers in this field. It builds on a vibrant global community of hundreds of affiliated researchers; a series of annual open science conferences; a Global Alliance of Earth System Governance Research Centres with hubs in five continents; a global cluster of taskforces, associated projects and numerous smaller activities; and a network of affiliated publication series, including three book series with MIT Press and Cambridge University Press and a new flagship journal launched in 2018, *Earth System Governance*. For more information, see www.earthsystemgovernance.org.

About the Co-Hosts

Colorado State University, Environmental Governance Working Group, United States of America



Colorado State University views sustainability as central to its land-grant mission. Multiple units across campus contribute through teaching, research, operations and outreach. The Department of Political Science is nationally and internationally recognized for its unique specialization in environmental politics and policy. The Environmental Governance Working Group is a multi-disciplinary community of scholars in the College of Liberal Arts and Warner College of Natural Resources seeking to advance research on issues of environmental governance and sustainability.

German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE), Germany



The German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE) is one of the leading think tanks for global development and international cooperation worldwide. It is located in the UN City of Bonn. DIE's work is based on the interplay between research, policy advice and training. DIE is building bridges between theory and practice. Research at DIE is theory-based, empirically driven and application-oriented. It provides the basis for the consulting activities of the institute. DIE develops policy-relevant concepts, advises ministries, governments and international organisations, and refers to current policy issues. The training programmes of the institute for university graduates and young professionals are integrated into the research and advisory process.

Institute for Advanced Sustainability Studies, Germany



The IASS Potsdam was founded in 2009 for the purpose of gathering together all relevant forms of knowledge from science, society and politics in order to initiate and support a transformation towards sustainable development that is grounded in scientific research. Currently around 100 researchers from over 30 different countries are working at the institute on projects that span the humanities and the natural and social sciences. Our status as an Institute for Advanced Studies means that international researchers at the IASS can pursue interdisciplinary research using innovative methods to find new and actionable solutions to urgent global sustainability questions.

Keio University, Japan



Keio University is playing a major pivotal role in Japan's initiatives for contributing to SDGs as researcher, promoter and catalyser. Various efforts have been made to investigate into how 'governing through goals' functions in real life, which led to the new establishments of xSDG Laboratory as the university's research institute as well as xSDG Consortium as the arena for multiple stakeholders' collaborations and mutual learnings. The activities include the thematic studies on good practice creation (MUJI, Esri-Japan and Kokusai Kogyo Co., Ltd., Shizuoka City, Toyooka City), SDGs certification, and SDGs finance (SMBC, Tree INC.) amongst others.

PBL Netherlands Environmental Assessment Agency

PBL Netherlands Environmental Assessment Agency is the national institute for strategic policy analysis in the fields of the environment, nature and spatial planning. We contribute to improving the quality of political and administrative decision-making by conducting outlook studies, analyses and evaluations in which an integrated approach is considered paramount. Policy relevance is the prime concern in all of our studies. We conduct solicited and unsolicited research that is independent and scientifically sound.



PBL Netherlands Environmental Assessment Agency

Utrecht University, Strategic Programme ‘Pathways to Sustainability,’ The Netherlands

What is needed to enable the transition towards a more sustainable society? Pathways to Sustainability, one of the four interdisciplinary research foci at Utrecht, contributes to a sustainable future by means of transdisciplinary research. Excellent researchers from the humanities, social and natural sciences work together with external partners to develop a more sustainable society.



Universiteit Utrecht

Strategic Programmes
“Institutions for Open Societies”
“Pathways to Sustainability”

Utrecht University, Strategic Programme ‘Institutions for Open Societies,’ The Netherlands

‘Institutions for Open Societies’ is one of the four interdisciplinary research foci of Utrecht University. Within Institutions for Open Societies, scholars from the fields of economics, history, public administration, culture, law, sociology, social psychology, language and communication, ethics, innovation studies, and geography join forces to find answers to the question how institutions contribute to the formation of open and sustainable societies.

University of Toronto, The Munk School of Global Affairs and Public Policy, Canada

The Munk School of Global Affairs and Public Policy is a professional, degree-granting, interdisciplinary school focused on global issues. Our mission is to deeply integrate research on global affairs with teaching and public education, and we are the home of world-renowned researchers and more than 40 academic centres, labs and programs, including the Asian Institute, Centre for European, Russian and Eurasian Studies, Centre for the Study of the United States, Citizen Lab, and Environmental Governance Lab, which is also an Earth System Governance Research Centre. The Munk School also is home to 13 teaching programs, ranging from Munk One, a first-year foundational program with a focus on global problem-solving, to professional Masters Programs in Global Affairs and in Public Policy

MUNK SCHOOL
OF GLOBAL AFFAIRS
& PUBLIC POLICY



University of Waterloo, Faculty of Environment, Canada

For over 40 years the Faculty of Environment at the University of Waterloo has been dedicated to having a positive impact locally and globally. With interdisciplinary programmes and research, our community of students, faculty, alumni, donors and staff make meaningful change happen in the classroom, the office, and in communities around the world. Our vision is to use our unique position as a leading teaching and research institute for the environment to create sustainable solutions needed to address the complex challenges facing our world.



FACULTY OF ENVIRONMENT

Words of Welcome

Dear conference participants,

On behalf of all my colleagues, *a hartelijk welkom* to beautiful Utrecht for the 2018 open science conference of the Earth System Governance research alliance! Each year, our open science conferences bring together the earth system governance research community as well as policy makers and stakeholders to exchange the most recent findings and plan further cooperation. While all of our conferences follow a similar format and use well-established practices like the rigorous double-blind peer review of abstracts, each conference also adds new elements to the conference series and has a special character. The 2018 Utrecht Conference, in particular, marks the successful conclusion of the first ten years of operation of the Earth System Governance Project. In this decade since our first conference in 2007, our community has grown enormously. We now have well-established book series with both MIT Press and Cambridge University Press, and in November we will launch our very own flagship journal, *Earth System Governance*. Our vast network of Earth System Governance Research Fellows is as vibrant and active as ever, and our Lead Faculty is providing input and guidance on numerous occasions. With the Earth System Governance Foundation, we now have a legal entity that allows us to register our members at UN meetings or to provide limited financial support for travel stipends.



Also the new instrument of Earth System Governance Taskforces has acquired amazing momentum, with taskforces now in place on issues as diverse as ‘accountability’; ‘anticipatory governance’; the ‘Anthropocene’; the ‘conceptual foundations of earth system governance’; ‘earth system law’; ‘ecological democracy’; ‘environmental policy integration’; ‘environmental security’; ‘planetary justice’; ‘representation of and rights for the environment’; ‘transformations and transitions toward sustainability’; or ‘ocean governance’. Some taskforces are relatively small and focussed on specific outcomes; others – such as our taskforce on ocean governance – have evolved into huge sub-networks with more than 200 members. For all of these dynamic activities, at the Utrecht Conference we have added for the first time an extra conference day: the ‘Taskforce and Meeting Day’. This extra day has been reserved for all sorts of meetings, from writing retreats to scoping meetings or exploratory roundtables. It is amazing that almost half of our conference participants have registered for events on the Taskforce Day as well, which emphasizes the intense collaboration in our network that makes it different from the more traditional professional associations.

The 2018 Utrecht Conference is also a special conference for me personally: after more than 10 years at the helm of the Earth System Governance Project (and even longer when counting the launch phase of 2005-2009), I am stepping down as chair of our network. Given the strong evolution of our community over the last decade, I can look back with much satisfaction and wonderful memories. I am particular grateful for the support and friendship of the many colleagues who have made this success story possible, notably the more than 20 colleagues and friends who have been part of our Project’s Scientific Steering Committee over the last decade, and the relentlessly enthusiastic and hardworking staff of our International Project Office, which will be hosted from January 2019 onwards at Utrecht University.

A fantastic new group of colleagues has stepped forward to take over the responsibility of steering our project into new directions for the years to come. They have written a fabulous new Science and Implementation Plan, which will be presented at this conference and be made available online soon. And they will announce the location and theme for the 2019 Conference on Earth System Governance!

In a word: the 2018 Utrecht Conference on Earth System Governance will be a busy week, full of exciting discussion and intense deliberation on how we can transform our governance systems to address the fundamental sustainability challenges facing our planet. I am looking forward to it!

Frank Biermann

Chair, Earth System Governance Project

Co-Chair, 2018 Utrecht Conference on Earth System Governance

Dear conference participants,

A warm welcome to the 2018 Utrecht Conference on Earth System Governance! This is now the tenth in a series of very successful annual conferences that bring together our community to debate the big questions of our time in the governance of global environmental change.



This year, the conference is dedicated to 'governing global sustainability in a complex world'. Organized in six main streams the conference evolves around the core analytical problems that have structured the last decade of earth system governance research while providing an outlook on emerging and new directions. With participants from all over the world and activities over four days, we will have the opportunity to meet in different formats and settings including plenaries and semi-plenaries, parallel sessions, innovative panels and last but not least the Taskforce Day. This new addition provides for the first time an extensive meeting space for early-career workshops, author writing retreats, planning sessions, workshops on teachings and methods, and similar events, back-to-back with the main conference program.

The 2018 Utrecht Conference is special in many ways. It presents the harvesting of the accomplishments of a ten-year research period with numerous publications, collaborations and research activities. The conference also marks the official launch of the new Science and Implementation Plan of the Earth System Governance Project that will inspire and guide our research in the years to come. It welcomes the relocation of the International Project Office, which will be hosted from January 2019 onwards at Utrecht University. And many other fun and thought-provoking events!

For me personally it has been especially rewarding to collaborate with so many talented people both in the organisation of this conference and more broadly as part of the Earth System Governance research alliance. It is a privilege to be among such a dedicated, energising and collegial group of scholars.

I wish you a very productive conference!

Agni Kalfagianni

Co-Chair, 2018 Utrecht Conference on Earth System Governance

Dear conference participants,

On behalf of the entire conference team, welcome to Utrecht! It is a privilege to present you with a conference programme packed with inspiring keynotes, panel presentations, innovative sessions and much more. The 2018 Utrecht Conference on Earth System Governance will host the largest number of participants in the history of the Earth System Governance Project. I would like to thank each of you for joining us here in Utrecht and I look forward to your contributions over the next few days.



A conference such as ours requires a dedicated conference team of colleagues and volunteers. They have done a tremendous job over the past months to prepare for the conference, in particular our student assistants and student volunteers. You will get to meet them all over the next few days as they will assist at conference sessions, show you your way to lunch, or host one of the many social events. A big thank you to the entire team!

For me personally, the Earth System Governance network has been my professional home from the moment I joined my first Earth System Governance conference in Norwich in 2014. It is not only a network of inspiring colleagues but also of good friends. The preparations for this conference highlighted once again the vibrancy and dedication of the Earth System Governance community. I hope this conference will contribute to further strengthening the network and I look forward to working with many of you in the years to come.

I wish you an inspiring, productive and fun conference!

Sandra van der Hel

Conference Manager, 2018 Utrecht Conference on Earth System Governance

The Conference Team

Conference Co-Chairs:

Frank Biermann, Utrecht University
Agni Kalfagianni, Utrecht University

Conference Manager:

Sandra van der Hel, Utrecht University

Assistant Conference Managers:

Tom Peek, Utrecht University
Gustav Thungren, Utrecht University

International Project Office:

Ruben Zondervan, Earth System Governance Project, and Lund University
Charlotta Kjällerström, Earth System Governance Project, and Lund University

Utrecht Winter School on Earth System Governance:

Charlotte Ballard, Utrecht University
Joost Vervoort, Utrecht University
Rakhyun Kim, Utrecht University

Thanks to the support from:

Siham Belarbi, Utrecht University
Marie Claire Brisbois, Utrecht University
Carel Dieperink, Utrecht University
Elizabeth Dirth, Utrecht University
Lise van Koningsbrugge, Utrecht University
Karlijn Muiderman, Utrecht University
Lucas Rutting, Utrecht University

Volunteers:

Justine Amelung, Marion Behrends, Sanna Berbe, Marlou Buist, Martin Calisto, Kieran Campbell-Johnston, Wing Yee Chin, Ana Correia, Ginevra Di Cagno, Tara Eley, Oana Forestier, Julia Fritzsche, Carolina Halevy, Lisa Korteweg, Franziska Krasemann, Dirkjan Lakerveld, Hannah Linton, Andrea Lituma Sanchez, Charlotte Löbker, Christoph Löffler, Eloisa Menguzzo, Sjors Mourik, Gitte Mulder, Stella Münninghoff, Sara Posa, Renée van Rooijen, Jana Surian, Kaustubh Thapa, Nikki Theeuwes, Anouk Vegter, Anniek van Wezel, Annemiek de Winter

Art Work:

Ginevra Di Cagno and Anouk Vegter

Practical Information

Registration

Please register as soon as possible upon arrival:

Sunday, 4 November 2018	Monday, 5 November 2018	5 - 7 November 2018
15:00 - 18:00	8:00 - 8:45	During conference hours
Venue: Academiegebouw	Venue: Domkerk	Venue: Paushuizen

All participants are kindly requested to wear their name badge visible at all times in the conference venues

Venues

The 2018 Utrecht Conference on Earth System Governance will be held across different venues in Utrecht. The first three conference days (5 - 7 November 2018) will be in different venues on and around Domplein in the city centre of Utrecht. The final conference day (8 November 2018) will be hosted at Utrecht Science Park (De Uithof). Venue maps can be found at the back of this booklet.

City Centre

- 1. Paushuizen** (main conference venue)
Address: Kromme Nieuwgracht 49

Wifi network: Paushuizen
Password: PausHuize
- 2. Domkerk**
Address: Achter de Dom 1
- 3. Academiegebouw**
Address: Domplein 29
- 4. Huize Molenaar**
Address: Korte Nieuwstraat 6

Wifi network: Huize Molenaar
gasten netwerk
Password: HuizeMolenaar
- 5. Utrechts Centrum voor de Kunsten (UCK)**
Address: Domplein 4
- 6. Janskerk**
Address: Janskerkhof 26
- 7. Janskerkhof 2-3**
Address: Janskerkhof 2-3

De Uithof (Science Park)

Throughout all of the Uithof campus you can connect to the password-free UU-Visitor wifi network.

- 1. Vening Meineszgebouw (VMG)**
Address: Princetonlaan 8a
- 2. Marinus Ruppertgebouw (Ruppert)**
Address: Leuvenlaan 21
- 3. Minnaertgebouw (Minnaert)**
Address: Leuvenlaan 4
- 4. Buys Ballotsgebouw (BBG)**
Address: Princetonplein 5

'Gebouw' means building in Dutch.

Welcome Reception

Venue: Domkerk
Monday, 5 November 2018
19:00 - 20:00

Hosted by Faculty of Geosciences, Utrecht University

Speaker: Piet Hoekstra, Dean, Faculty of Geosciences, Utrecht University

In October 2017, the Scientific Steering Committee of the Earth System Governance Project accepted the generous offer by Utrecht University to host our International Project Office for the 2019-2023 period at Utrecht's Faculty of Geosciences.

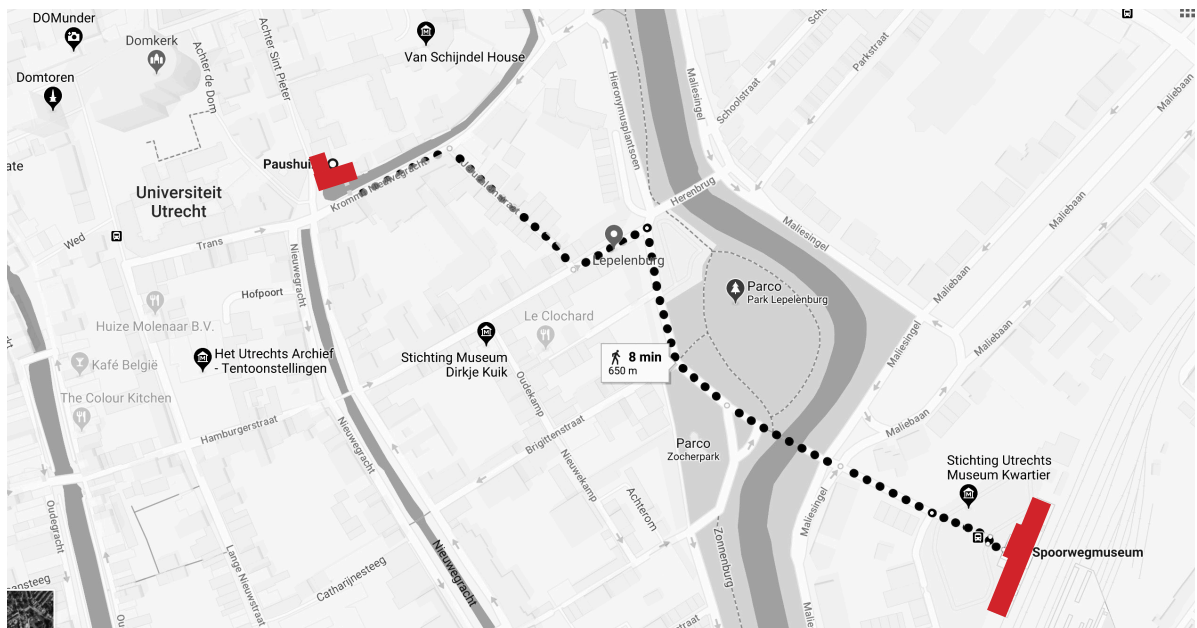
At this welcome reception in Utrecht Cathedral (De Domkerk), Professor Piet Hoekstra, dean of the Faculty of Geosciences, will formally open the International Project Office at Utrecht, and welcome Ruben Zondervan, the Executive Director of the Office, to the Netherlands.

Conference Dinner



Venue: Spoorwegmuseum
Address: Maliebaanstation 16
Tuesday, 6 November 2018
Welcome drinks: 18:00 - 19:00
Dinner: 19:00 - 22:00

The Spoorwegmuseum (Railway Museum) in Utrecht, established in 1927, exhibits a variety of rail equipments and locomotives from different times. The museum is housed in a former railway station named 'de Maliebaan'.



Research Fellows Party

Sponsored by Elsevier

Venue: EKKO

Address: Bemuurde Weerd WC 3

Wednesday, 7 November 2018

18:30 - 0:00

On Wednesday, 7 November, the night before the end of the conference, we are organising our first Research Fellows Party at one of Utrecht's nicest pop venues EKKO. Free local, vegetarian and ecological food will be served followed by performances and music. We also have a stage, a microphone and an acoustic guitar available for everyone who's up for a spontaneous act. Please be aware that you need to sign up if you would like to join for dinner so we can make sure there will be enough (but not too much) food for everyone – you can sign the list at the Conference Registration Desk on Monday, 5 November when you enter the conference. Everyone is most welcome!

Transportation

Bike

The easiest, most common and eco-friendly way of getting around in Utrecht is by bike. You can rent a bike for €8.- per day at the tourist information office (Domplein 9), or at Utrecht Fietsen (Nobelstraat 293). Biking from the city centre to Utrecht Science Park (De Uithof) and vice versa is a quite pleasant 20 minute cycle.

Public Transport

The OV-chipkaart is a rechargeable traveling card valid throughout the Netherlands. With this card you can check-in/check-out on trains, trams and buses. Bus fares are cheaper with an OV-chipkaart as you pay per stop, instead of per single run. You can buy an 'anonymous' OV-chipkaart at any train station, newsagent and service counter for €7.50. If you plan on taking the bus during your stay in Utrecht, or coming back to visit the Netherlands, it is convenient to invest in one.

It is not possible to buy tickets using cash on the buses, you can only buy a ticket using a Dutch 'pinpas' (debit card). A single run ticket is €2.50. Alternatively, single tickets can be bought with cash and any card at Utrecht Central Station, at the automatic vending machines or at the 'OV Service & Tickets' desk.

Bus

Buses from city centre (Domplein and Janskerkhof) to Utrecht Science Park (De Uithof): bus lines 28 and 27. Get off at either bus stop Botanische Tuinen (for Minnaert, KBG and Vening Meinesz venues) or Heidelberglaan (for Ruppert venue).

Programme Overview

Monday, 5 November 2018

08:00 - 09:00

Registration & morning coffee/tea

Venue: Domkerk

09:00 - 10:30

Opening Plenary

Venue: Domkerk

Opening Address

Words of Welcome

Keynote Presentation: Earth System Governance: The Scope of the Challenge

Launch, *Earth System Governance* Journal (Elsevier)

Awarding of the 2018 Oran Young Prize

10:30 - 11:00

Coffee/tea break

Venues: Pauhuize, Huize Molenaar, UCK, Janskerkhof 2-3

11:00 - 12:30

Parallel Panels I

Architecture 1

Janskerkhof – 110

'Coalitions, Cooperation and Conflict in the Climate Change Negotiations'

Architecture 2

Janskerkhof – 116

'Environmental Security & Risk Management'

Agency 1

Pauhuize – Luxembourg

'(New) Agents in Earth System Governance'

Agency 2

Pauhuize – 's Jacobzaal

'Agency and the Private Sector: Entrepreneurship, Supply Chains and Certification'

Agency 3

Pauhuize – Von Sinzendorf

'Power, Authority and Leadership in a Complex World'

Accountability 1

Pauhuize – Koninginnenkamer

'Accountability and (Contested) Knowledge in Global Sustainability Governance'

Accountability 2

Huize Molenaar – Scheltema

'Law, Justice & Democracy in Climate Politics'

Accountability 3

UCK – Marnixzaal

'Democracy in Earth System Governance: Broadening the Conversation'

Allocation 1

Pauhuize – Beelaerts van Bloklandzaal

'Exploring Access and Allocation – Part I'

Allocation 2

Pauhuize – Bouillonzaal

'Fair Institutions'

Adaptiveness 1

Huize Molenaar – Tuinkamer

'Resilient Communities Part I – Adaptiveness on the Ground'

Earth System Governance 101

Huize Molenaar – Suite

'Introduction to the Earth System Governance Project'

12:30 - 13:30

Lunch

Venue: Pauhuize

13:30 - 15:00	Semi-Plenary I – Architectures of Earth System Governance <i>Venue: Janskerk</i> The Institutional Diagnostic Approach to Earth System Governance Governance for Sustainable Development: What Works When, How and Why The Global Architecture of Sustainable Development Goals	Semi-Plenary II – Agency in Earth System Governance <i>Venue: Marnixzaal, UCK</i> Agency beyond the State: Harvesting Insights from the Earth System Governance Project Cities in Earth System Governance Systemic Risks: Challenges for Earth System Governance
15:00 - 15:30	<i>Coffee/tea break</i> <i>Venues: Paushuize, Huize Molenaar, UCK, Janskerkhof 2-3</i>	
15:30 - 17:00	Parallel Panels II	
	Architecture 3 <i>UCK – Marnixzaal</i> ‘Assessing the Adequacy of the Global Climate Governance Complex après Paris – A Sectoral Perspective’	Architecture 5 <i>Paushuize – Von Sinzendorf</i> ‘Transforming Biodiversity Governance – Part I’
	Architecture 4 <i>Paushuize – Koninginnekamer</i> ‘Ocean Governance’	Architecture 6 <i>Paushuize – Luxembourgh</i> ‘Climate Change Governance: The Effectiveness and the Future of Climate Change Treaty Regimes’
	Agency 4 <i>Paushuize – ‘s Jacobzaal</i> ‘Agents in Ocean Governance’	Accountability 4 <i>Paushuize – Bouillonzaal</i> ‘Accountability in Extractive Industries Part I – Can Institutions Mitigate Extractivism’
	Agency 5 <i>Janskerkhof – 110</i> ‘Between Local and Global: Collaboration, Diffusion and Influence’	Agency 6 <i>Huize Molenaar – Scheltema</i> ‘Governing Urban Nature for Sustainability: Complex Architectures & Emerging Agency – Part I’
	Accountability 5 <i>Janskerkhof – 116</i> ‘Participation and Accountability in Land and Resource Governance’	Adaptiveness 2 <i>Huize Molenaar – Suite</i> ‘Governing Sustainable Plastic Transitions’
	Allocation 3 <i>Paushuize – Beelaerts van Bloklandzaal</i> ‘Exploring Access and Allocation – Part II’	Allocation 4 <i>Janskerkhof – 117</i> ‘Financing Mechanisms Through a Justice Lens’

Adaptiveness 3
Huize Molenaar – Tuinkamer
 ‘Resilient Communities Part II –
 Urban Solutions’

Adaptiveness 4
Janskerkhof – 118
 ‘Futures From the Bottom up:
 Constructing Pluralistic Multi-
 level Governance Pathways
 Towards Global Goals’

17:15 - 18:45

Parallel Panels III

Architecture 7
Paushuizen – Koninginnekamer
 ‘Climate Change Governance:
 Polycentricity, Municipalism,
 Transnationality’

Architecture 8
Paushuizen – Von Sinzendorf
 ‘Transforming Biodiversity
 Governance – Part II’

Architecture 9
*Paushuizen – Beelaerts van
 Bloklandzaal*
 ‘Whither Institutional
 Complexity Research? Key
 Theoretical, Methodological and
 Empirical Issues and Trends’

Agency 7
Paushuizen – Luxembour
 ‘Rethinking Agency in Earth
 System Governance: Critique and
 Suggestions’

Agency 8
Huize Molenaar – Tuinkamer
 ‘Communities and Citizens as
 Agents in Environmental
 Governance – I’

Agency 9
Paushuizen – Koninginnekamer
 ‘Communities and Citizens as
 Agents in Environmental
 Governance – II’

Agency 10
Huize Molenaar – Scheltema
 ‘Governing Urban Nature for
 Sustainability: Complex
 Architectures and Emerging
 Agency – Part II’

Accountability 6
Paushuizen – Bouillonzaal
 ‘Accountability in Extractive
 Industries Part II: Intersections in
 a Complex World’

Accountability 7
Janskerkhof – 110
 ‘Private and Sub-state Actors:
 Accountability, Legitimacy and
 Democracy’

Allocation 5
Huize Molenaar – Suite
 ‘The Politics of Fossil Fuel
 Subsidies and Their Reform:
 Overcoming Carbon
 Entanglement?’

Adaptiveness 5
Paushuizen – ’s Jacobzaal
 ‘Adaptive Rationality: Managing
 Uncertainty’

Concepts & Theories 1
UICK – Marnixzaal
 ‘Novel Conceptualizations of
 Earth System Norms, Law and
 Time’

19:00

Welcome Reception

Venue: Domkerk

Tuesday, 6 November 2018

08:00 - 09:00

Morning coffee/tea

Venues: Paushuize, Huize Molenaar, UCK, Janskerkhof 2-3

09:00 - 10:30

Parallel Panels IV

Architecture 10

Huize Molenaar – Suite
‘Unpacking Complexity: Conceptual and Empirical Accounts of Complexity in Earth System Governance Architectures’

Architecture 11

Paushuize – Koninginnenkamer
‘Trade, Law and the Environment’

Architecture 12

Paushuize – Beelaerts van Bloklandzaal
‘Earth System Governance for Blue Growth’

Agency 11

Janskerkhof – 116
‘The Politics of Infrastructure’

Agency 12

Paushuize – Luxembourg
‘Connecting Knowledge and Agency: Transdisciplinarity, Assessments, Games and Learning’

Accountability 8

UCK – Marnixzaal
‘Visions, the Future, and Just Representation in the Anthropocene’

Accountability 9

Paushuize – ‘s Jacobzaal
‘The Ethics of Future-Making in the Anthropocene – Part I’

Allocation 6

Paushuize – Bouillonzaal
‘Just Transitions’

Allocation 7

Janskerkhof – 110
‘Access and Allocation of Commons and Resources’

Allocation 8

Paushuize – Von Sinzendorf
‘Justice in Development’

Adaptiveness 6

Huize Molenaar – Scheltema
‘Adaptiveness Through Transformation(s)’

Adaptiveness 7

Huize Molenaar – Tuinkamer
‘Climate-Related Extreme Events and Oceans Governance’

Concepts & Theories 2

Janskerkhof – 117
‘Transformation as a Boundary Concept in Earth System Governance’

10:30 - 11:00

Coffee/tea break

Venues: Paushuize, Huize Molenaar, UCK, Janskerkhof 2-3

11:00 - 12:30	Semi-Plenary III – Accountability and Democracy in Earth System Governance	Semi-Plenary IV – Allocation and Equity in Earth System Governance
	<i>Venue: Janskerk</i>	<i>Venue: Marnixzaal, UCK</i>
	Democracy in Earth System Governance	Allocation and Access in the Context of Climate Change and Land
	Accountability in Earth System Governance: Findings from the Project's Accountability Taskforce	Equity Matters for Global Food Security and Sustainability
	Legitimacy in Earth System Governance	From Environmental Equity to Planetary Justice
12:30 - 13:30	<i>Lunch</i>	
13:30 - 15:00	Parallel Panels V	

	Agency 13 <i>Uck – Marnixzaal</i>	Agency 13 <i>Paushuize – Luxembourg</i>	Agency 14 <i>Huize Molenaar – Suite</i>
	‘The Promise and Limits of Polycentric Climate Governance’	‘Transnational Governance and the UN Sustainable Development Goals: Exploring New Frontiers’	‘New Alliances, Governance Coalitions and Networks’
	Agency 15 <i>Paushuize – Bouillonzaal</i>	Accountability 11 <i>Paushuize – s Jacobzaal</i>	Allocation 9 <i>Janskerkhof – 116</i>
	‘Tipping Points, Transformation and Systemic Change’	‘The Ethics of Future-Making in the Anthropocene – Part II’	‘How Knowledge and Vulnerability Matter for Justice’
	Adaptiveness 8 <i>Paushuize – Von Sinzendorf</i>	Concepts & Theories 3 <i>Janskerkhof – 117</i>	Concepts & Theories 4 <i>Huize Molenaar – Tuinkamer</i>
	‘Adaptiveness in Earth System Governance Research: Taking Stock and Looking Ahead’	‘Fragmentation and Integration in Earth System Governance’	‘Bridging the Global-Local Divide in Earth System Governance’

15:00 - 15:30

*Coffee/tea break**Venues: Paushuize, Huize Molenaar, UCK, Janskerkhof 2-3***Plenary Session – Earth System Governance Research: Taking Stock and Moving Forward**

15:30 - 17:00

Venue: Domkerk

Earth System Governance Research: Taking Stock after 10 Years

Earth System Governance: The New Science Agenda

19:00 - 22:00

*Conference Dinner**Venue: Spoorwegmuseum***Wednesday, 7 November 2018**

08:00 - 09:00

*Morning coffee/tea**Venues: Paushuize, Huize Molenaar, UCK, Janskerkhof 2-3*

09:00 - 10:30

Parallel Panels VI

10:30 - 11:00

Architecture 15
Paushuize – Beelaerts van Bloklandzaal

‘Climate Change Governance: Inter-linkages and Governance Strategies’

Architecture 16*Paushuize – Luxembourg*

‘Governance Theory and Governance Strategy: Integration, Interplay, Synergies, Issue Coupling’

Agency 16*UCK – Marnixzaal*

‘Climate Politics: Negotiation, Cooperation and Leadership’

Agency 17*Huize Molenaar – Scheltema*

‘Transnational Private Sustainability Governance: Taking Stock and Exploring New Research Frontiers’

<p>Agency 18 <i>Huize Molenaar – Tuinkamer</i> 'Cities and City Networks as Agents in Environmental Governance'</p>	<p>Accountability 12 <i>Janskerkhof – 117</i> 'Localness of Earth System Governance: Smallholders and Communities and the International Environmental Regime Complex'</p>	<p>Allocation 10 <i>Janskerkhof – 118</i> 'Gender, Fairness and Justice'</p>	<p>Allocation 11 <i>Pausshuize – Koninginnekamer</i> 'Operationalizing Planetary Justice'</p>
<p>Adaptiveness 10 <i>Huize Molenaar – Scheltema</i> 'Perspective Matters: Scales, Levels and Constructions'</p>	<p>Adaptiveness 11 <i>Pausshuize – Bouillonzaal</i> 'Institutional Shifts, Shifting Institutions'</p>	<p>Concepts & Theories 5 <i>Janskerkhof – 110</i> 'Model-based Research Approaches'</p>	<p>Concepts & Theories 6 <i>Janskerkhof – 116</i> 'Scenarios, Foresight and Anticipation'</p>
<p>Concepts & Theories 7 <i>Pausshuize – Von Sinzendorf</i> 'Novel Technologies in Earth System Governance'</p>	<p>Earth System Governance 101 <i>Pausshuize – 's Jacobzaal</i> 'Introduction to the Earth System Governance Project'</p>		

Coffee/tea break

Venues: Pausshuize, Huize Molenaar, UCK, Janskerkhof 2-3

11:00 - 12:30

Semi-Plenary V - Adaptiveness and Transformation

Semi-Plenary VI - Concepts and Theories

Venue: Janskerk

Venue: Marnixzaal, UCK

Global Transformation: A View from Africa
Transforming Global Governance for Sustainability
Meeting the Sustainable Development Goals and Achieving 1.5C: A Challenge of Transformation

The United Nations and Earth System Governance
International Environmental Law and Earth System Governance
The Conceptual Foundations of Earth System Governance

12:30 - 13:30

Lunch

Venue: Pausshuize

13:30 - 15:00

Parallel Panels VII : Innovative Sessions

<p>Innovative Session 1 <i>Huize Molenaar – Suite</i> ‘Anticipatory Climate Governance in the World’s Most Vulnerable Regions’</p>	<p>Innovative Session 2 <i>Janskerkhof – 110</i> ‘From Tragedy to Survival? Remembering 50 years of the Theory of the Commons’</p>	<p>Innovative Session 3 <i>UCK – Marrixzaal</i> ‘Governing Geoengineering: How to Bring Accountability, Legitimacy, and Democracy to Climate Engineering’</p>	<p>Innovative Session 4 <i>Huize Molenaar – Scheltema</i> ‘How can the Earth System Governance Community Effectively Contribute to the Implementation of the SDGs?’</p>
<p>Innovative Session 5 <i>Huize Molenaar – Tuinkamer</i> ‘Low-Carbon Finance’</p>	<p>Innovative Session 6 <i>Paushuize – Bouillonzaal</i> ‘Visualising Data in an Age of Institutional Complexity’</p>	<p>Innovative Session 7 <i>Paushuize – Von Sinzendorf</i> ‘Roundtable Discussion on the Role of Philanthropic Foundations in Environmental Governance’</p>	<p>Innovative Session 8 <i>Paushuize – ‘s Jacobzaal</i> ‘Roundtable Discussion on Mineral Governance for Green Technologies’</p>
<p>Innovative Session 9 <i>Paushuize – Konginnekamer</i> ‘Roundtable on Knowledge Production and Validation in Global Megatrends and Earth Systems Governance: Power, Gender and Intersectional Issues’</p>	<p>Innovative Session 10 <i>Paushuize – Luxembourg</i> ‘Meet Your Journal Editors and Publishers’</p>	<p>Innovative Session 11 <i>Paushuize – Beelaerts van Bloklandzaal</i> ‘Beyond Cockpit-ism’</p>	

15:00 - 15:30

Coffee/tea break

Venues: *Paushuize, Huize Molenaar, UCK, Janskerkhof 2-3*

15:30 - 17:00

Parallel Panels VIII

<p>Architecture 17 <i>Paushuize – Koninginnekamer</i> ‘Governance Innovations: SDGs, Digital Solution, Visualization’</p>	<p>Architecture 18 <i>Paushuize – Von Sinzendorf</i> ‘Water Governance: Collaboration, Interplay and Local Varieties’</p>	<p>Agency 19 <i>Janskerkhof – 117</i> ‘Discourses, Meaning and Sense-making in Environmental’</p>	<p>Agency 20 <i>Paushuize – ‘s Jacobzaal</i> ‘Follow the Money: Financial Actors in Climate Politics’</p>
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<p>Allocation 12 <i>Paushuize – Luxembourg</i> ‘Foundations for Planetary Justice in Earth System Governance’</p>	<p>Allocation 13 <i>Paushuize – Bouillonzaal</i> ‘Access and Equity for Resilience and Transformative Forest Governance to Tackle Climate Change and Biodiversity Loss in a Complex World’</p>	<p>Adaptiveness 12 <i>Paushuize – Beelaerts van Bloklandzaal</i> ‘Be Prepared! Learning to Live with Climate Change’</p>	<p>Adaptiveness 13 <i>Janskerkhof – 116</i> ‘Together We Prevail, Divided We Fail: Collaborative Governance’</p>
<p>Adaptiveness 14 <i>Huize Molenaar – Suite</i> ‘Scaling up Successful Strategies for Climate Change Adaptation and Transformations of Earth System Governance through Archetype Analysis’</p>	<p>Concepts & Theories 8 <i>Janskerkhof – 118</i> ‘Complexity and Systems-Oriented Approaches’</p>	<p>Concepts & Theories 9 <i>Huize Molenaar – Scheltema</i> ‘Mobilizing the Future for Earth System Governance’</p>	<p>Concepts & Theories 10 <i>UICK – Marnixzaal</i> ‘Climate Engineering: An Emerging Challenge for Earth System Governance’</p>
<p>Concepts & Theories 11 <i>Huize Molenaar – Tuinkamer</i> ‘Science, Knowledge and Uncertainty’</p>			

17:15 - 18:15

Closing Plenary

Venue: Domkerk

Reflections on the 2018 Utrecht Conference
State of Earth System Governance Research
I-Have-a-Dream! Visions for the Future of Our Community
Announcement of 2019 conference on Earth System Governance
Vote of Thanks

18:30 – 00:00

Research Fellows Party

Venue: EKKO

Plenary Sessions

Opening Plenary

Venue: Domkerk
Monday, 5 November 2018
9:00 - 10.30

Opening Address

Frank Biermann and Agni Kalfagianni, Co-Chairs

Words of Welcome

Henk Kummeling, Rector Magnificus, Utrecht University, The Netherlands
Piet Hoekstra, Dean, Faculty of Geosciences, Utrecht University, The Netherlands

Keynote Presentation

Earth System Governance: The Scope of the Challenge

Joseph Alcamo, Professor and Director of Sussex Sustainability Research Programme,
and former Chief Scientist, United Nations Environment Programme

Launch, *Earth System Governance Journal* (Elsevier)

Frank Biermann and Elizabeth Dirth, Utrecht University, The Netherlands

Award of the 2018 Oran Young Prize

Presentation: Heike Schroeder, University of East Anglia, United Kingdom
Laudatio: Oran R. Young, University of California at Santa Barbara, United States of
America

Earth System Governance Research: Taking Stock and Moving Forward

Venue: Domkerk
Tuesday, 6 November 2018
15:30 - 17:00

Earth System Governance Research: Taking Stock after 10 Years

Frank Biermann, Utrecht University

Earth System Governance: The New Science Agenda

Sarah Burch, Waterloo University
Aarti Gupta, Wageningen University
Cristina Inoue, University of Brasília
Agni Kalfagianni, Utrecht University
Åsa Persson, Stockholm Environment Institute

Closing Plenary

Venue: Domkerk
Wednesday, 7 November 2018
17:15 - 18:15

The closing plenary provides a platform for reflections on the 2018 Utrecht Conference and on the state of earth system governance research. Select members of the Earth System Governance Project will very briefly present their dreams and their most ambitious visions for the future of our community, in an inspiring, engaging, dynamic and at times funny I-Have-a-Dream! plenary session. Nobody will be allowed more than 2 minutes, and not more than one slide!

In addition, as it has been the longstanding tradition in the closing plenary of our conferences, we will also learn about the location and time of our next annual conference and what the overarching theme and hosting organisations will be. The 2019 Conference on Earth System Governance, which will be the 11th in our series – exciting!

We will close with a warm ‘vote of thanks’ for all our partners, co-hosting institutions and the entire organisation team.

Semi-Plenary Sessions

Semi-Plenary I

Architectures of Earth System Governance

Venue: Janskerk
Monday, 5 November 2018
13:30 - 15:00

Panel Convenor: Rakhyun E. Kim, Co-Author 2018 Earth System Governance Science Plan, and Utrecht University

The Institutional Diagnostic Approach to Earth System Governance

Oran R. Young, University of California at Santa Barbara, United States of America

Governance for Sustainable Development: What Works When, How and Why

Peter Driessen, Utrecht University, The Netherlands

The Global Architecture of Sustainable Development Goals

Norichika Kanie, Keio University, Japan

Semi-Plenary II

Agency of Earth System Governance

Venue: Marnixzaal, UCK
Monday, 5 November 2018
13:30 - 15:00

Panel Convenor: Vasna Ramasar, Co-Author, 2018 Earth System Governance Science Plan, and Lund University

Agency beyond the State: Harvesting Insights from the Earth System Governance Project

Michele M. Betsill, Colorado State University, United States of America

Cities in Earth System Governance

Harriet Bulkeley, Durham University, United Kingdom, and Utrecht University, The Netherlands

Systemic Risks: Challenges for Earth System Governance

Ortwin Renn, Institute for Advanced Sustainability Studies, Germany

Semi-Plenary III

Accountability of Earth System Governance

Venue: Janskerk
Tuesday, 6 November 2018
11:00 - 12:30

Panel Convenor: Jonathan Pickering, Lead Author, 2018 Earth System Governance Science Plan, and University of Canberra, Australia

Democracy in Earth System Governance

John Dryzek, University of Canberra, Australia

Accountability in Earth System Governance: Findings from the Project's Accountability

Taskforce

Susan Park, University of Sydney, Australia

Legitimacy in Earth System Governance

Steven Bernstein, University of Toronto, Canada

Semi-Plenary IV

Allocation and Equity in Earth System Governance

Venue: Marnixzaal, UCK
Tuesday, 6 November 2018
11:00 - 12:30

Panel Convenor: Andrea Gerlak, Lead Author, 2018 Earth System Governance Science Plan, and University of Arizona, United States of America

Allocation and Access in the Context of Climate Change and Land

Lennart Olsson, Lund University, Sweden

Equity Matters for Global Food Security and Sustainability

Jennifer Clapp (via Skype), University of Waterloo, Canada

From Environmental Equity to Planetary Justice

David Schlosberg, University of Sydney, Australia

Semi-Plenary V

Adaptiveness and Transformation

Venue: Janskerk
Wednesday, 7 November 2018
11:00 - 12:30

Panel Convenor: Joost Vervoort, Lead Author, 2018 Earth System Governance Science Plan, and Utrecht University, The Netherlands

Global Transformation: A View from Africa

David Mungai, University of Nairobi, Kenya

Transforming Global Governance for Sustainability

Dirk Messner, United Nations University – Institute for Environment and Human Security (UNU-EHS), Germany

Meeting the Sustainable Development Goals and Achieving 1.5C: A Challenge of Transformation

Diana Liverman, University of Arizona, United States of America

Semi-Plenary VI

Concepts and Theories

Venue: Marnixzaal, UCK
Wednesday, 7 November 2018
11:00 - 12:30

Panel Convenor: James Patterson, Lead Author, 2018 Earth System Governance Science Plan, and Utrecht University, The Netherlands

The United Nations and Earth System Governance

Lorraine Elliott, Australian National University, Australia

International Environmental Law and Earth System Governance

Michelle Scobie, University of the West Indies, Trinidad and Tobago

The Conceptual Foundations of Earth System Governance

James Meadowcroft (via Skype), Carleton University, Canada

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

Session 1

Monday, 5 November 2018

11:00 - 12:30

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

Venue: Janskerkhof – 110

Chair: Carola Klöck

Discussant: Florian Weiler

Fragmentation in the Climate Change Negotiations: Talking Stock of the Evolving Coalition Dynamics

Paula Castro, Carola Klöck

Cooperation in the Climate Change Negotiations: A Network Approach

Florian Weiler

Cooperation and Differentiation under the Paris Agreement

Meg Boyle

Architecture 2 – Environmental Security & Risk Management

Venue: Janskerkhof – 116
Chair: Yixian Sun

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

Julia Tschersich

Security and Environmental Change: An Indian Perspective

Dhanasree Jayaram

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

Jiayi Zhou

Agency 1 – (New) Agents in Earth System Governance

Venue: Paushuize – Luxembourg
Chair: Amy Janzwood

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

Vanessa Lueck

Restricting Finance for Fossil Fuels: Examining the Role of Export Finance

*Christian Downie,
Kyla Tienhaara*

Auditors of Sustainability: Exploring the Role of Supreme Audit Institutions in the Implementation of the Sustainable Development Goals

*Evalinde van Winden,
Frank Biermann*

Philanthropic Foundations and Environmental Governance: A Research Agenda

*Ashley Enricci,
Rebecca Gruby,
Michele Betsill*

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

Paushuize – 's Jacobzaal
Chair: Marie Claire Brisbois

Agency in the Shadow of Hierarchy: Exploring the Role of Small and Medium-Sized Enterprises in Environmental Governance

*Linda Westman,
Christopher Luederitz,
Aravind Kundurpi,
Alexander Mercado,
Janetta Mckenzie,
Scott Ninomiya, Sarah Burch*

How Business Conflict in the Global South Can Support Sustainable Supply Chains

*Vivek Soundararajan,
Michael Bloomfield*

Capitalize Innovation

Aravind Kundurpi

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

Alexia Marks

Next Generation Governance Architectures for Sustainable Global Value Chains

*Katrien Termeer, Otto Hospes,
Hilde Toonen, Bas Arts*

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

Venue: Paushuizen – Von Sinzendorf
Chair: Leandra R Goncalves

Analyzing Power Dynamics in Global Environmental Governance

*Alexander Imbo, Uta When,
Ken Irvine*

Cities as Policy Entrepreneurs in Polycentric Climate Governance

Jisun Hwang

Non-State and Local Leadership in Europe's Climate Governance: New Drivers of Climate Action?

*Sander Chan,
Jacopo Bencini,
Matteo Lindley*

The More the Merrier? Non-state Actions for Climate Resilient and Sustainable Development

*Sander Chan, Idil Boran,
Harro van Asselt,
Michelle Scobie, Navam Niles,
Katharine Rietig,
Gabriela Iacobuta,
Jennifer Bansard,
Deborah Delgado,
Laurence Delina,
Paila Ellinger,
Okechukwu Enechi,
Lukas Hermwille,
Matthias Honegger,
Stephanie La Toz Theuer,
Robert Mizo, Yixian Sun,
Patrick Toussaint,
Wangechi Wambugu*

Competing Interest Groups in a Changing Climate

*Heike Boehler,
Marcel Hanegraaff,
Kai Schulze*

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

Paushuize – Koninginnkamer
Chair: Aarti Gupta
Discussant: Michael Mason

Warming Up or Cooling Down for Geothermal Energy:
Public Accountability for Emerging Energy Technologies

*Tamara Metze, Eefje Cuppen,
Magda Smink,
Jos van den Broek,
Rinie van Est*

Travelling Images of Shale Gas and Geothermal Energy:
Citizen Detectives and Public Accountability

*Tamara Metze,
Sylvia Karlsson-Vinkhuyzen,
Efrat Gommeh,
Huub Dijkstra*

Transparency, Accountability and (dis)Empowerment in
Sustainability Governance

Michael Mason

Performing Accountability: State-to-State Account-Giving
Within Multilateral Climate Governance

*Aarti Gupta,
Sylvia Karlsson-Vinkhuyzen,
Amy Ching, Nila Kamil,
Nadia Bernaz*

Accountability and Policy Integration for the Sustainable
Development Goals: Friend or Foe?

*Sylvia Karlsson-Vinkhuyzen,
Arthur Dahl, Åsa Persson*

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

Venue: Huize Molenaar – Scheltema
Chair: Bregje van Veelen

Fossil Fuel Developmentalism and Climate Justice: Insights
from Australia's Coal Frontier

Gareth Edwards

The Role of National Politicians in Earth System
Governance: Evidence from a Study of Members of the UK
Parliament

Rebecca Willis

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

Frederic Hanusch

Accountability, Legitimacy and Democracy 3 – Democracy in Earth System Governance: Broadening the Conversation

Venue: UCK – Marnixzaal
Chair: John Dryzek
Discussant: Hayley Stevenson

Mapping Transnational Environmental Rights for
Democratic Earth System Governance

*Walter Baber,
Robert Bartlett*

Ecological Democracy in Africa: Comparing Kenya, Uganda and Tanzania

Christopher Gore

Democratizing or Delegitimizing Earth System Governance? 'Scapegoating' and 'Tribalizing' as Mechanisms of Power in Uganda's Fish and Land Governance

Anne Kantel

Ecological Democracy in Theory and Practice: Progress, Barriers and New Frontiers

*Jonathan Pickering,
Karin Bäckstrand,
David Schlosberg*

Allocation, Access and Equity 1 – Exploring Access and Allocation

Venue: Paushuize – Beelaerts van Bloklandzaal
Chair: Joyeeta Gupta

Access and Allocation in Global Biodiversity Governance

*Brendan Coolsaet,
Neil Dawson, Simone Lovera,
Florian Rabitz*

Epistemological Underpinnings of Access and Allocation at Multiple Levels of Governance

*Agni Kalfagianni,
Simon Meisch, Jouni Paavola*

The Governance of Water Insecurities

*Margot Hurlbert,
Naho Mirumachi,
Pedi Obani, Shakeel Hayat,
Philile Mbatha*

Food Security and Access to Land

Dona Azizi, Philip Osano

Allocation, Access and Equity 2 – Fair Institutions

Venue: Paushuize – Bouillonkamer
Chair: Maaz Gardezi

An Equitable Regime? How the UNFCCC Paris Agreement and its NDCs Innovate the Differentiation of Countries' Responsibilities to Address Climate Change

*Pieter Pauw,
Kennedy Mbeva*

Transnational Adaptation Governance: Designing an Institutional Setting to Deal with Climate Change Impacts Across Borders

Adis Dzebo, Richard Klein

Are Transnational Multistakeholder Initiatives Furthering Global Goals? Effectiveness and Equity in Governance by Goals

Aysem Mert, Sander Chan

Equity in the Utilization of Transboundary Marine Living Resources: An International Legal Review

Maddalena Visser

Governance for Future Generations: A Global Review of
National Institutional Mechanisms to Protect the Interests of
Future Generations

*Elizabeth Dirth,
Frank Biermann*

Adaptiveness, Resilience and Transformation 1 – Resilient Communities I: Adaptiveness on the Ground

Venue: Huize Molenaar – Tuinkamer
Chair: Britta Horstmann
Discussant: Jean Carlo Rodriguez

The Social Dimension of Ecosystem–Based Adaptation to
Climate Change in Colombia

*Jean Carlo Rodriguez de
Francisco,
Carmen Richerzhagen,
Alessandro Döhnert,
Lukas Kleiner, Marjam
Mayer, Julia Morawietz,
Eric Philipp,
Felix Weinsheimer*

Policy Design to Support Collective Action and Adaptive
Governance: Examples from Community-Based Forest
Restoration Approaches in the United States

*Courtney Schultz,
Cassandra Moseley,
Kathleen McIntyre,
Laren Cyphers,
Autumn Ellison,
Chad Kooistra*

Earth System Governance 101

Venue: Huize Molenaar – Suite
Chair: Ruben Zondervan

This session will start with a short introduction of the Earth System Governance Project. It will describe the aims and structures of the project and the institutional landscape it operates in, as well as review its ten-years' history, and describe current activities in research, teaching, science-policy, and network development. The remainder of the session will be a questions and answers format where participants can ask any question about or comment on the Earth System Governance Project.

This session is thus an opportunity for conference participants not yet familiar with the Earth System Governance Project to get their bearings, as well as for those participants interested in the dynamics and development of the project in recent years, and certainly for everyone with a question or comment that does not fit any other session at the conference.

Session 2

Monday, 5 November 2018
15:30 - 17:00

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

Venue: UCK – Marnixzaal
Chair: Harro van Asselt
Discussant: Karin Bäckstrand

A Framework for Evaluating Global Climate Governance
through a Sectoral Systems Perspective

*Sebastian Oberthür,
Lukas Hermwille, Tim Rayner*

Global Governance for the Decarbonisation of Energy-Inten-
sive Industries

*Gauri Khandekar,
Sebastian Oberthür*

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

Tim Rayner

Hardwired towards Transformation? An Assessment of the
Governance Sub-Complex for the Power Sector

*Lukas Hermwille,
Friederike Asche*

Architecture 4 – Ocean Governance

Venue: Paushuize – Koninginnkamer
Chair: Jen Allan

The Fragmented Nature of International Ocean Acidification
Governance

Ellycia Harrould-Kolieb

Governance Architecture for Planetary Management:
Assessing the Institutions for Geoengineering in the Arctic

*Abigail York, Hiliary Hartnett,
Diana Bowman,
Stephen Romaniello,
Shauna Burnsilver*

Adaptation of Environmental Regimes in the Anthropocene:
The Case of Fisheries Regime, 1937 to 2016

Dona Azizi

Architecture 5 – Transforming Biodiversity Governance – I

Venue: Paushuize – Von Sinzendorf
Chair: Ingrid Visseren-Hamakers
Discussant: Marcel Kok

Legal Frameworks and Corporate Strategies for
Bio-prospecting and Bio-innovation in Polar Regions

*Kristin Rosendal,
Jon Birger Skjærseth*

Room for Improvement: Promoting Compliance with Legal
Obligations Through the Convention on Biological Diversity
Conference of the Parties

Joanna Miller Smallwood

The Evolving Architecture of Intergovernmental Biodiversity
Governance

Amandine Orsini

Transforming Biodiversity Governance by Mainstreaming
Animal Concerns

*Ingrid Visseren-Hamakers,
Andrea Schapper*

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

Venue: Paushuize – Luxembourg
Chair: Sylvia Karlsson-Vinkhuyzen

The Design and Diffusion of Carbon Markets: Implications
for Applied Policy Research

*Lars Gulbrandsen,
Jørgen Wettestad,
Arild Underdal, David Victor*

Governing Complexity: The Impact of Institutional Inter-
play Among Recent Multilateral Environmental Agreements
on the Effectiveness of International Market-based Climate
Policy Instruments

*Stephan Hoch,
Axel Michaelowa,
Igor Shishlov, Anne Weber*

An Overview and Assessment of the Increasing Role of
Climate Finance Within the UNFCCC Process Since COP21
and Beyond

*Christophe Cassen,
Jean Charles Hourcade*

‘Incantatory’ Governance: Post-Paris Climate Politics and the
Transformation of Global Environmental Governance

*Stefan Aykut, Jean Foyer,
Edouard Morena*

Evolution of the International Regulatory Regime and
‘Ecosystem’ of the International Carbon Market Mechanisms
Since the Late 1990s

*Axel Michaelowa,
Igor Shishlov, Dario Brescia*

Agency 4 – Agents in Ocean Governance

Venue: Paushuize – 's Jacobzaal
Chair: Heike Boehler

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

Benjamin Hofmann

Actors' Strategies on Marine and Coastal Governance in
Brazil

*Leandra Goncalves,
Leopoldo Gerhardinger,
Marcus Polette,
Alexander Turra*

Marine Space Decision-Making Under a Commonwealth
Model

Lisa Uffman-Kirsch

The Effects of Transnational Partnerships in Global Fisheries
Governance

Matilda Petersson

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

Venue: Janskerkhof – 110
Chair: Lena Partzsch

Local Meets Global in Earth System Governance:
Collaboration of Local Governments and International Agen-
cies in Climate Change Adaptation and Mitigation in Turkey

Gökhan Orhan

Transnational Multi-actor Interactions: Implications for
Domestic Climate Governance

Ira Shefer

A Research Agenda on Water Governance for Latin America

Cristobal Reveco

International Diffusion and Domestic Policy Processes:
Developing a Framework for Exploring the Adoption of
Carbon Pricing Policies

*Jakob Skovgaard,
Åsa Knaggård,
Roger Hildingsson*

Agency 6 – Governing Urban Nature for Sustainability: Complex Architectures and Emerging Agency – I

Venue: Huize Molenaar – Scheltema
Chair: Hens Runhaar
Discussant: Harriet Bulkeley

Urban Infrastructure Regimes: Uncovering the Structural
Barriers to Upscaling Nature-based Solutions

*Hade Dorst, Hens Runhaar,
Rob Raven,
Sander van der Jagt*

Bringing Nature into the City? Transnational Governance and the Urban Politics of Nature-based Solutions

Laura Tozer, Harriet Bulkeley

Diagnosing Strategic Influences of Different Agents in Governing Transition Towards Green City in Surabaya, Indonesia

Wikke Novalia, Briony Rogers, Joannette Bos, Rebekah Brown

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

Venue: Paushuize – Bouillonzaal

Chair: Susan Park

Discussant: Teresa Kramarz

Chile's Move to Modern Environmental Governance: How New Institutions Stopped the Pascua-Lama Mining Project

Sherrie Baver

Governance Transformations to Reverse the Resource Curse? The Extractive Industries Transparency Initiative in Myanmar

*Marjanneke Vijge,
Robin Metcalfe,
Linda Wallbott,
Christoph Oberlack*

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

Hyeyoon Park

Environmental Provisions in Trade Agreements: Defending Regulatory Space or Pursuing Offensive Interests?

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

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

Venue: Janskerkhof – 116

Chair: Sebastien Jodoin

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

*Shaju Thomas,
Punnen Kurian*

Institutional Diverseness in Forest Conservation: A Prospective Look into the Indian Protected Areas

*Madhusmita Dash,
Saswat Mishra*

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

Anne Kantel

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

Venue: Paushuize – Beelaerts van Bloklandzaal
Chair: Joyeeta Gupta

Agency and Accountability in Earth System Governance Research	<i>Michelle Scobie, Calum Brown</i>
Towards a Theory on Access and Allocation in Earth System Governance	<i>Joyeeta Gupta, Louis Lebel</i>
Access and Allocation: International Economic Development and Environmental Justice	<i>Michelle Scobie, Yixian Sun</i>
Climate Mitigation: Energy, Negative Greenhouse Gases, and Forests	<i>Antonina Ivanova, Asim Zia, Mairon Bastos Lima, Paiman Ramzan</i>

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

Venue: Janskerkhof – 117
Chair: David Schlosberg

Designing a Global Mechanism for Intergovernmental Biodiversity Financing	<i>Nils Droste, Joshua Farley, Irene Ring, Peter May, Taylor Ricketts</i>
Towards a Systemic Approach to Climate Adaptation Finance: Exploring the Role of Transboundary Climate Impacts and Climate-Induced Agricultural Risk Flows	<i>Kevin Adams, Åsa Persson, Magnus Benzie</i>
Sustainable Energy for All? An Examination of Climate Finance Decisions through the Green Climate Fund	<i>Diana Dorman, David Cipler</i>
Spotting the Climate Finance Free Riders	<i>Romain Weikmans, J. Timmons Roberts</i>

Adaptiveness, Resilience and Transformation 2 – Governing Sustainable Plastic Transitions

Venue: Huize Molenaar – Suite
Chair: Johannes Stripple

Plastic and Politics: A Review	<i>Tobias Nielsen, Johannes Stripple, Jacob Hasselbalch</i>
Conflicting Narratives on Sustainable Plastics: Critical Analysis of the EU Plastic Strategy	<i>Tobias Nielsen, Ellen Palm, Stine Madsen, Lars Nilsson Mark Cooper</i>

Fossil Fabric: Decarbonisation and the Politics of Textile Transitions

Mark Cooper

Oceans of Plastic: A New Challenge for Global Environmental Governance

Elizabeth Mendenhall

Exploring the Microplastics-Biodiversity-Climate-Health Governance Nexus

Peter Stoett

Adaptiveness, Resilience and Transformation 3 – Resilient Communities II: Urban Solutions

Venue: Huize Molenaar – Tuinkamer
Chair: Britta Horstmann
Chair: Sander Chan

Urban Rivers Governance: M3K Movement to Increase the Adaptive Capacity of the Poor in Yogyakarta City

*Andie Wicaksono,
Jurian Edelenbos,
Peter Scholten*

Urban Flood Resilience, a Discursive-Institutional Analysis of Planning Practices in Milan

*Corinne Vitale,
Sander Meijerink, Peter Ache,
Francesco Domenico Moccia*

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

Loïc Cobut

Adaptiveness, Resilience and Transformation 4 – Futures From the Bottom up: Constructing Pluralistic Multi-level Governance Pathways Towards Global Goals

Venue: Janskerkhof – 118
Chair: Laura Pereira

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

Mandy van den Ende

Envisioning New Modes of Governance for a Blockchain-enabled Energy Market Transformation in the Netherlands

*Valentina Nakic,
Joost Vervoort, Sjors Hijgenaar*

Addressing Scale Mismatches of Scenarios for Effective Sustainable Development Decision Making

Laura Pereira, Joost Vervoort

Utilizing Local Initiatives and Bottom-up Scenarios to Enhance IAMs and Inform Policymakers

*Rohan Bhargava,
Joost Vervoort, Laura Pereira,
Timon McPhearson*

Session 3

Monday, 5 November 2018
17:15 - 18:45

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

Venue: Paushuize – Koninginnekamer
Chair: Elizabeth Mendenhall

A Framework to Understand the Diversity in the Relations
Within Transnational Municipal Networks

Vicente Cortes Berrueta

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

Linda Shi

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

Marcos Mendes

Architecture 8 – Transforming Biodiversity Governance – II

Venue: Paushuize – Von Sinzendorf
Chair: Ingrid Visseren-Hamakers
Discussant: Marcel Kok

Biodiversity Policy Integration in German Agricultural
Landscapes

*Yves Zinngrebe,
Sebastian Lakner, Guy Pe'er,
Jenny Schmidt,
Christian Schleye*

Reconceptualising Access to Reshape International and
National Biodiversity Laws

Kamalesh Adhikari

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

Jonathan Pickering

Scrutinizing European Union Policy Debates on Tackling
'Embodied Deforestation': A New Emerging Paradigm in
Multilevel Forest Governance?

*Janice Weatherley-Singh,
Aarti Gupta*

What Have Been the Practical Effects of the Aichi Targets on
the Ground? Insights From Five National Case Studies and
Recommendations for CBD COP15

*Aleksandar Rankovic, Fiona
Kinniburgh, Yann Laurans*

Architecture 9 – Whither Institutional Complexity Research? Key Theoretical, Methodological and Empirical Issues and Trends

Venue: Paushuize – Beelaerts van Bloklandzaal

Chair: Rakhyun E. Kim

Discussant: Oscar Widerberg

Analysing the Nexus Between Global Governance Domains:
The Case of Climate and Energy

*Fariborz Zelli,
Karin Bäckstrand,
Naghme Nasiritousi,
Philipp Pattberg,
Lisa Sanderink,
Jakob Skovgaard,
Harro van Asselt,
Oscar Widerberg*

The Coevolution of the Trade and Environment Systems

*Rakhyun Kim,
Jean-Frédéric Morin*

Activity-based Graph Structure of Climate Companions
Cooperative Network Between City of Helsinki and
Businesses

*Milja Heikkinen,
Onerva Korhonen,
Tuomas Ylä-Anttila,
Sirku Juhola*

Variety of Private Sustainability Standards: A Club Theory
Approach

Ellen Holtmaat

Agency 7 – Rethinking Agency in Earth System Governance: Critique and Suggestions

Venue: Paushuize – Luxembourg

Chair: Jennifer Bansard

Confronting the Nitrogen Challenge: Options for Governan-
ce and Targets

Piero Morseletto

Designing Highly Renewable and Socio-Environmentally
Accepted Energy Systems

*Marianne Zeyringer,
Oliver Broad,
Huebner Gesche,
Konadu Dennis, Andy Moore,
James Price,
Zenaida Sobral Mourao,
Julia Tomei*

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

Stefan Pedersen

Granting Rights to the River? An Exploration of Potential
Governance Implications

*Peter Driessen, Dries Hegger,
Carel Dieperink,
Rakhyun Kim, Bettina Wilk*

Agency 8 – Communities and Citizens as Agents in Environmental Governance – I

Venue: Huize Molenaar – Tuinkamer
Chair: Cristina Yumie Aoki Inoue

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

Jones Arthur

Agents in the Global Periphery: Lineage Groups as Agents to Maintain Food Production

*Yu Yang, Bettina Bluemling,
Fang Wang*

From Ladder to Circle: A New Model of Citizens' Participation in Resources Governance

*Maren Krätzschar,
Johannes Hamhaber*

Agency 9 – Communities and Citizens as Agents in Environmental Governance – II

Venue: Janskerkhof – 118
Chair: Heleen Mees

Creating a (Hydro)Nation of Engaged Communities? An Exploration of Policy and Regulatory Professionals in Scotland in Shaping Community Involvement in Water Governance

*Kirsty Holstead,
Shona Russell, Kerry Waylen*

From Citizen Participation to Government Participation: An Exploration of the Roles of Local Governments in Community Initiatives for Climate Change Adaptation in the Netherlands

*Heleen Mees,
Caroline Uittenbroek,
Dries Hegger, Peter Driessen*

Institutional Arrangements and Governance in Coastal Communities in the Philippines

Maria Rebecca Campos

Agency 10 – Governing Urban Nature for Sustainability: Complex Architectures and Emerging Agency – II

Venue: Huize Molenaar – Scheltema
Chair: Hens Runhaar
Discussant: Harriett Bulkeley

Linear Versus Adaptive Approaches to Green Infrastructure Policy, Planning and Place-making

*Jessica Maxwell,
Kirsty Blackstock,
Katherine Irvine*

Fuzzy Concept or Robust, Elastic Approach? Framing Urban Green Infrastructure

*Rieke Hansen, Emily Rall,
Werner Rolf,
Martina van Lierop,
Stephan Pauleit*

Active Citizens and Urban Green Governance: Understanding the Diversity of Stewardship Practices through a Mosaic Governance Lens

*Arjen Buijs, Rieke Hansen,
Sander van der Jagt*

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

Venue: Paushuize – Bouillonzaal
Chair: Teresa Kramarz
Discussant: Susan Park

Processes of Change and Destabilisation in Resource Frontiers: the Making of Uganda's Oil Assemblage

*James van Alstine,
Laura Smith*

Improving Accountability on Forest Management, Democratisation of Technologies toward Shared Cultural Values on Ecological Heritage

Nidia González

Populism or Petrostate? The Afterlives of Ecuador's Yasuní-ITT Initiative

*Teresa Kramarz,
Donald Kingsbury,
Kyle Jacques*

Accountability, Legitimacy and Democracy 7 – Private and Sub-state Actors

Venue: Janskerkhof – 110
Chair: Lars H. Gulbrandsen

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

Mareike Blum

Regulating Climate Change: Assessing and Explaining the Legitimacy of Transnational Governance Initiatives

*Laura Iozelli,
Amandine Orsini*

Global Renewable Energy Governance Reconsidered: Strengthening Legitimacy and Effectiveness

*Lisa Sanderink,
Naghmeh Nasiritousi*

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

Cathrin Zengerling

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

Venue: Huize Molenaar – Suite
Chair: Jakob Skovgaard
Discussant: Hayley Stevenson

The Political Economy of Incumbency: Fossil Fuel Subsidies in Global and Historical Context

Peter Newell, Phil Johnstone

Pathways for Addressing Fossil Fuel Subsidies through the International Climate Regime

*Harro van Asselt,
Laura Merrill, Kati Kulovesi*

Privileged Coal: The Politics of Subsidies for Coal Production in Colombia

*Claudia Strambo,
Ana Carolina González Espinosa,
Angélica Johanna Puer-
tas Velasco, Aaron Atteridge*

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

Michelle Scobie

Adaptiveness, Resilience and Transformation 5 – Adaptive Rationality: Managing Uncertainty

Venue: Paushuize – ‘s Jacobzaal
Chair: Pieter Pauw
Discussant: Britta Horstmann

Business Strategies and Climate Change: Prototype Development and Testing of a User Specific Climate Service Product for Companies

Markus Groth, Peer Seipold

Transnational Adaptation: Drawing Lessons from the Economics of Mitigation

*Klaus Eisenack,
Matteo Roggero,
Leonhard Kähler,
Achim Hagen*

Governing Urban Sustainability: The Transformational Potential of Small Businesses and Pathways for Building Adaptiveness and Resilience of City-regions

*Christopher Luederitz,
Linda Westman,
Aravind Kundurpi,
Alexander Mercado,
Janetta Mckenzie,
Scott Ninomiya, Sarah Burch*

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

Venue: UCK – Marnixzaal
Chair: Stefan Aykut

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

Louis Kotzé

Obligation Based Governance Models: Opportunities for New Environmental Sustainability Goals

Beth Edmondson

Social Process Obfuscation and the Anthroponomy Criterion

Jeremy Bendik-Keymer

Reasoning Together about Global Environmental Issues: Addressing Epistemic and Ontological Pluralism through Deliberative Framing

*Rebecca Romsdahl,
Gwendolyn Blue*

Deep Time Organizations: Learning Longevity from History

Frederic Hanusch

Session 4

Tuesday, 6 November 2018
09:00 - 10:30

Architecture 10 – Unpacking Complexity: Conceptual and Empirical Accounts of Complexity in Earth System Governance Architectures

Venue: Huize Molenaar – Suite
Chair: Oscar Widerberg
Discussant: Rakhyun Kim

Decision Tools for Earth System Governance

Brian Dermody

Explaining Variation in Institutional Structure across Global Environmental Regime Complexes

*Philipp Pattberg,
Oscar Widerberg*

Following the Mean Won't Do Any Good: For a Complex Systems Approach of Global Climate Governance

Marielle Papin-Manjarrez

Conceptualizing the Governance of Global Tele-coupling

*Jens Newig, Andrea Lenschow,
Edward Challies,
Benedetta Cotta,
Almut Schilling-Vacaflor*

Architecture 11 – Trade, Law and the Environment

Venue: Paushuize – Koninginnkamer
Chair: Katja Biedenkopf

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

Mathilde Gauquelin

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

*Denise Fernandes,
David Cipler*

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

James Angstadt

Governing Transnational Climate Risk: Sweden's Trade-related Climate Risk Profile

*Magnus Benzie, Åsa Persson,
Henrik Carlsen*

Architecture 12 – Earth System Governance for Blue Growth

Venue: Paushuize – Beelaerts van Bloklandzaal
Chair: Judith van Leeuwen
Discussant: Michelle Voyer

Participatory Consent in Blue Economy Decision-Making	<i>Lisa Uffman-Kirsch</i>
Blue Growth and Arctic Ocean Governance Architecture	<i>Elana Wilson Rowe</i>
Does the Blue Economy have a Social License to Operate?	<i>Michelle Voyer, Judith van Leeuwen</i>
The National Vision of the Blue Economy in China	<i>Michael Fabinyi, Gil Hizi, Kate Barclay, Wolfram Dressler</i>
Not Out of the Blue: Ethics to Intersect Civic Participation and Formal Guidance	<i>Martin Bohle, Kiley Arroyo, Eduardo Marone, Cornelia Nauen</i>

Agency 11 – The Politics of Infrastructure

Venue: Janskerkhof – 116
Chair: Thomas Hickmann

Dam and Reservoir Systems: An Interdisciplinary Analysis of American Water Infrastructure	<i>Kayla Kelly-Slatten</i>
Financialization of Municipal Water Agencies: A Case Study in the American West	<i>Christopher Gibson</i>
Governing Stakeholders in the Anthropocene: Pipelines, Power and Private Politics	<i>Amy Janzwood</i>

Agency 12 – Connecting Knowledge and Agency: Transdisciplinarity, Assessments, Games and Learning

Venue: Paushuize – Luxembourg
Chair: Benno Pokorny

Trustworthy Scientist – Trustworthy Knowledge Production: Studying IPCC's Introduction of Early Career Scientists as an Effort to Regain Trust	<i>Karin Gustafsson</i>
How Transdisciplinary Research can Benefit Sustainability Governance: Evidence from a Case Survey of 70 Completed Research Projects	<i>Stephanie Jahn, Jens Newig, Judith Kahle, Daniel Lang, Matthias Bergmann</i>

The Use of Serious Gaming in Global Climate Negotiations

*Lisette van Beek,
Manjana Milkoreit,
Roberta Weiner, Joost Vervoort*

Collaborative Learning for Flood Risk Management:
Sustainable Urban Drainage Systems as a Policy Innovation

*Farhad Mukhtarov,
Janet Riley, Carel Dieperink,
Peter Driessen*

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

Venue: UCK – Marnixzaal
Chair: Tim Cadman

Global Politics and the Anthropocene: Present Narratives,
Future Visions

Jens Marquardt

Legitimacy and Justice in the Face of a Resilient and Unsu-
ustainable Socioeconomic Context

Andrea Felicetti

Democracy Is in the Air? The Democratic Quality of
Discourses on the Governance of Stratospheric Sulphur
Injection

*Doris Huitink,
Frank Biermann*

Political Representation of Future Generations in Climate
Policy

Claire Dupont

Global Democracy-Deficit in the Age of Anthropocene: Pros
and Cons of Institutionalizing an Elected Global Parliament

Asim Zia

Accountability, Legitimacy and Democracy 9 – The Ethics of Future-Making in the Anthropocene – I

Venue: Paushuize – 's Jacobzaal
Chair: Henrike Knappe and Silke Beck
Discussant: Maarten Hajer

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

Jonathan Pickering

Blooming Landscapes? Utopian Thinking in the
Anthropocene

Manuel Arias-Maldonado

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

Alejandro Esguerra

Allocation, Access and Equity 6 – Just Transitions

Venue: Paushuize – Bouillonzaal
Chair: Dimitris Stevis

Reconceptualizing Planetary Equity through the ILO's Just Transition Agenda

Sharmini Nair

The Use and Implications of Justice Framings in the Political Activities of Decentralized Renewable Energy Producers

Marie Claire Brisbois

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

Vasna Ramasar

The Role of Equity in a Green Keynesianism

Kyla Tienhaara

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

Venue: Janskerkhof – 110
Chair: Andrea Gerlak

Governance of Ecosystem Services: the Challenge of Stakeholders' Preferences

Ieva Misiune

Access and Allocation for Food Security and Land

*Philip Osano, Dona Azizi,
Jan de Leeuw*

Conservation Before Use: Common Ownership as a Constraint against Degrading the Environmental Commons

Dominic Lenzi

Allocation, Access and Equity 8 – Justice in Development

Venue: Paushuize – Von Sinzendorf
Chair: Anne Kantel

Governance in Telecoupled Land Systems: the Case of Thilawa Special Economic Zone, Myanmar

*Christoph Oberlack,
Jean-David Gerber,
Peter Messerli*

Technology Adoption and the Provision of Shared Infrastructure in Irrigation Systems with Storage

*Sechindra Vallury,
Joshua Abbott, John Anderies*

Re-imagining DPSIR from an Equity and Inclusive Development Perspective

*Joyeeta Gupta, Leisa Perch,
Irene Dankelman, Joni Seager,
Joeri Scholtens,
Emma Mullaney,
Fülöp Sándor, Michael Jones*

The Political Economy of Ecosystem Services in Argentina:
Actors, Agendas and Interests

*Juliana Peixoto Batista, Julie-
ta Godfrid, Hayley Stevenson*

Hidden Figures in Transnational Environmental Governance
and the Micro-politics of Brazil's Green Economy: The Soy
Moratorium

*Jonathan Gamu,
Cristina Yumie Inoue*

Adaptiveness, Resilience and Transformation 6 – Adaptiveness Through Transformation(s)

Venue: Huize Molenaar – Scheltema
Chair: Steffen Bauer
Discussant: Pieter Pauw

Governing Sustainability Transformations Through
Strategies of Small Wins: The Case of Circular Economy

Katrien Termeer

Overcoming the Process-structure Divide in Conceptions of
Social-Ecological Transformation: Assessing the
Transformative Character and Impact of Change Processes

*Julia Tschersich,
Stefanie Sievers-Glotzbach*

Explaining Institutional Change? Testing Theoretical
Propositions through a Global Survey of Cities and Climate
Change

James Patterson

Between Governance and Transformations: Insights from a
Meta-analysis of 180 Case Studies

*Elizabeth Dirth,
Giuseppe Feola, Dries Hegger,
Sandra Van Der Hel,
Rakhyun Kim, Heleen Mees,
Joost Vervoort,
Arjan Wardekker,
Gustav Thungren*

Adaptiveness, Resilience and Transformation 7 – Climate-Related Extreme Events and Oceans Governance

Venue: Huize Molenaar – Tuinkamer
Chair: Mark Axelrod

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

D.G. Webster

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

Candace May

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

Venue: Janskerkhof – 117
Chair: Jeremy Bendik-Keymer

The Transformation Meme in Environmental Governance:
An Institutional Disruptor

Chris Riedy

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

Ilkhom Soliev

Transformative Food System Governance in South Africa
and India: Preliminary Findings and Methodological
Innovations in the Transdisciplinary Research Project

Laura Pereira, Kerry Brown

Session 5

Tuesday, 6 November 2018
13:30 - 15:00

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Architecture 13 – The Promise and Limits of Polycentric Climate Governance

Venue: UCK – Marnixzaal
Chair: Harro van Asselt
Discussant: Jampel Dell'Angelo

Decarbonisation and Polycentrism: The Politics of
Transformation

*Steven Bernstein,
Matthew Hoffmann*

Harnessing the Market: Trading in Carbon Allowances

*Katja Biedenkopf,
Jørgen Wettestad*

Legitimacy and Accountability in Polycentric Climate
Governance: Challenges to Democracy in a Contested
Terrain

*Karin Bäckstrand,
Fariborz Zelli, Philip Schleifer*

Politics of Experimentation and Learning: How Democratic
is Polycentric Climate Governance?

Jan-Peter Voß, Fabian Schroth

Governing Climate Change: The Promise and Limits of
Polycentricity

*Andrew Jordan,
Dave Huitema,
Harro van Asselt*

Architecture 14 – Climate Change Governance: Treaty Implementation, Polycentricity, National-local Linkages

Venue: Paushuize – Beelaerts van Bloklandzaal
Chair: Lukas Hermwill

Examining the Factors Affecting the Variations in the Ability to Make Progress in Climate-Sensitive Land-Use Planning of Municipalities in Metro Manila, Philippines

*Michael Adrian Padilla,
Yasushi Asami,
Tetsuo Kidokoro*

Measuring Policy Integration in Multilevel Governance Environments: An Analysis of Vertical Policy Coherence in Six Countries

Alexandra Lesnikowski

Cages or Carpets? National Domestic Contexts of Urban Climate Actions

Fee Stehle

Mapping Gaps in Polycentric Governance: What Earth System Governance Demands are the Private Sector Making of the State?

*Matthew Gitsham,
Ajit Nayak, Jonathan Gosling*

Agency 13 – Transnational Governance and the UN Sustainable Development Goals: Exploring New Frontiers

Venue: Paushuize – Luxembourg
Chair: Stacy VanDeveer
Discussant: Tabitha Benney

Transnational Sustainability Governance in the Extractives Sector: Lessons from the Gold Lifecycle

*Stacy VanDeveer,
Graeme Auld, Michele Betsill*

New Finance, New Actors: Reshaping Flows of Finance Beyond Carbon

*Jonathan Stripple,
Harriet Bulkeley*

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

Dumisani Chirambo

Agency 14 – New Alliances, Governance Coalitions and Networks

Venue: Huize Molenaar – Suite
Chair: James Patterson

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

Thomas Hickmann

Governing Coalitions and Municipal Climate Change Policy

Eve Bourgeois

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

Antonija Bogadi

Agency 15 – Tipping Points, Transformation and Systemic Change

Venue: Paushuize – Bouillonzaal
Chair: Dries Hegger

Social Tipping Elements Instrumental for Decarbonisation by
2050

*Ilona Otto, Jonathan Donges,
Avit Bhowmik,
Roger Cremades,
Wolfgang Lucht,
Hans-Joachim Schellnhuber,
Johan Rockström*

Transformative Politics for Sustainability: Conceptual
Tensions, Practical Synergies and Complementarity at the
LUCID Research School

*Vasna Ramasar, Chad Boda,
Mine Islar, Maryam Nastar*

The Impossible Energy Transition: Identifying Obstructing
Legal Structures and Underlying Goals

Sanne Akerboom

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

Venue: Paushuize – Kongininnekamer
Chair: Marijn Faling

Communication and Rhetoric in the Irish Citizens' Assembly
on Climate Change

*Lala Huseynova,
Hayley Walker*

Assessing the Effectiveness of Water Policy and Governance
in Brazil: The Water Governance Observatory as a
Collaborative and Independent Platform

*Ricardo Novaes, Karina Berg,
Angelo Lima,
Fatima Casarim,
Vladimir Caramori*

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

Karen Siegel

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

Venue: Paushuize – ‘s Jacobzaal
Chairs: Alejandro Esguerra and Eva Lövbrand
Discussant: Anthony Burke

Anthropocene Genealogies: Cold War Legacies in the Discourse on the Human Epoch

*Delf Rothe,
Ann-Kathrin Benner*

The Anthropocene and the Geopolitical Imagination: Tracing Travelling Notion of Environmental Risk and Security

Malin Mobjörk, Eva Lövbrand

Who Speaks for the Future? Political Representation in the Anthropocene

Henrike Knappe

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

Silke Beck

Humans and Socio-cosmological Implications in the Anthropocene

Desirée Fiske

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

Venue: Janskerkhof – 116
Chair: Sonja Klinsky

Exploring Integrated Technological Infrastructure Systems and Indigenous Traditional Ecological Knowledge Toward Innovation on Forest Governance

*Nidia Gonzales,
Sabina Reinecke*

Using Indigenous Knowledge to Protect the Environment, and to Respond to Climate Change in Nigeria/Africa

Geoffrey Nwaka

Including Persons with Disabilities in Earth System Governance

Sébastien Jodoin

Adaptiveness, Resilience and Transformation 8 – Adaptiveness in Earth System Governance Research: Taking Stock and Looking Ahead

Venue: Paushuize – Von Sinzendorf
Chair: Steffen Bauer

Synthesizing and Identifying Emerging Issues in Adaptiveness Research within the Earth System Governance Framework (2007-2017)

*Bernd Siebenhüner,
Riyanti Djalante*

Conceptualizing ‘Anticipation’ as a Normative Ideal of Climate Governance

Emily Boyd, Izabela Delabre

The Operational Design of Climate Change Adaptive Capacity Assessments: Conceptual Approaches, Normative Choices and Policy Considerations

*Annie Montpetit,
Guy Chiasson, Frédéric Doyon*

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

Dumisani Chirambo

Adaptiveness, Resilience and Transformation 9 – Urban Resilience: Choices, Visions, Politics, and Governance Approaches

Venue: Huize Molenaar – Scheltema
Chair: Arjan Wardekker
Discussant: Heleen Mees

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

Arjan Wardekker

Towards Design Principles for Enhancing Urban Flood Resilience: A Comparative Study on Required Governance Conditions in 18 European Areas

Carel Dieperink

Narratives of Change for a Resilient Future City

*Benedikt Marschuetz,
Arjan Wardekker*

Urban Visions as (contested) Imaginaries on Sustainability and Welfare

*Roger Hildingsson, Håkan
Johansson, Jamil Khan*

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

Venue: Janskerkhof – 117
Chair: Farhad Mukhtarov

Tracking Integration of Climate Change Adaptation Globally

Robbert Biesbroek

Managing Networked Landscapes: Conservation in a Fragmented, Connected World

*Michael Schoon,
Jacopo Baggio,
Sechindra Vallury*

Examining the Factors Affecting the Variations in the Ability to Make Progress in Climate-Sensitive Land-Use Planning of Municipalities in Metro Manila, Philippines

*Michael Adrian Padilla,
Yasushi Asami,
Tetsuo Kidokoro*

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

Venue: Huize Molenaar – Tuinkamer
Chair: Harry Barnes-Dabban

Adapting to Climate Change is a Global Challenge

*Adis Dzebo, Richard Klein,
Åsa Persson*

Methodological Challenges in Applying an Earth System Governance Framework to the Study of Water Governance

*Delia Paul, Megan Farrelly,
Briony Rogers*

Integrating Science and Engineering with Earth System Governance: The Case of Mercury Pollution

Noelle Selin, Henrik Selin

Addressing Scale Mismatches of Scenarios for Effective Sustainable Development Decision-Making

Laura Pereira, Joost Vervoort

Exploring Local-National Linkages in Climate Change Governance: Argentina and Buenos Aires, Brazil and São Paulo, and Mexico and Mexico City

*Matías Franchini,
Ana Evangelista Mauad,
Eduardo Viola*

Session 6

Wednesday, 7 November 2018
09:00 - 10:30

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Architecture 15 – Climate Change Governance: Inter-linkages and Governance Strategies

Venue: Paushuize – Beelaerts van Bloklandzaal
Chair: Sikina Jinnah

The Climate and Clean Air Coalition as a Transnational Governance Club?

*Charlotte Unger,
Konrad Görtler*

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

Navam Niles

Identifying Sustainable Configurations with Shared Benefits in Forest Governance

*Ilkhom Soliev,
Wiebke Schramm,
Insa Theesfeld*

The Complexities of Climate Change Policy Development and Governance: Insights Gained from Examining the Role of Health Co-Benefits

*Annabelle Workman,
Grant Blashki, Kathryn
Bowen, David Karoly,
John Wiseman*

Architecture 16 – Governance Theory and Governance Strategy: Integration, Interplay, Synergies, Issue Coupling

Venue: Paushuize – Luxembourg
Chair: Jakob Skovgaard

Bridging the Gap Between Integration and Fragmentation in Sustainability Governance: A Framework of Mechanisms Linking Governance Architecture and System's Sustainability Performance

*Nicolas Jager,
Edward Challies,
Benedetta Cotta*

Twenty Years of Regional Governance in Mountain Areas: Key Lessons and Challenges

Carolina Adler, Jörg Balsiger

Consciously Coupling in the Chemicals and Wastes Regimes

Jen Allan

Governing a Volcanic River Basin: The Water-Lahar-Volcano Nexus: Case of Opan Sub-Basin at Mt. Merapi, Indonesia

*Vicky Ariyanti,
Jurian Edelenbos,
Peter Scholten*

Agency 16 – Climate Politics: Negotiation, Cooperation and Leadership

Venue: UCK – Marnixzaal
Chair: Ortwin Renn

It's Not (Only) Trump! The Challenges of Climate Cooperation in an Increasingly Conflictive World

*Matias Franchini,
Eduardo Viola*

EU Climate Leadership Revisited

*Claire Dupont,
Sebastian Oberthür*

Post-agreement Negotiations in Global Climate Politics

Marian Feist

Climate Governance Under Geopolitical Change: A Cluster Analysis of States' Contributions to the Paris Agreement

*Maria Jernnäs, Jens Nilsson,
Andreas Duit,
Björn-Ola Linnér*

Procedural Justice in Climate Change Negotiations: Respect and Due Hearing

Hayley Walker

Agency 17 – Transnational Private Sustainability Governance: Taking Stock and Exploring New Research Frontiers

Venue: Huize Molenaar – Scheltema
Chair: Stefan Renckens
Discussant: Peter Oosterveen

Private Rule-Makers as Lobbyists: Exploring the Interest Representation Activities of Transnational Private Sustainability Governance

Stefan Renckens

Switching Between Lenses for a Better View: A Critical Review of Theoretical Approaches to Private Regulatory Governance

*Janina Grabs, Graeme Auld,
Benjamin Cashore*

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

Yixian Sun

Governing Tropical Agriculture through Voluntary Standards: A Mapping Analysis

*Philip Schleifer, Matto Fiorini,
Luc Fransen*

Transnational Sustainability Governance: Understanding Legitimacy Challenges in the Global South

*Dorine Leeuwerik, Greetje
Schouten, Hilde Toonen*

Agency 18 – Cities and City Networks as Agents in Environmental Governance

Venue: Huize Molenaar – Tuinkamer
Chair: Heleen Mees

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

Marielle Papin-Manjarrez

The Effect of Transnational Municipal Network Participation on Urban Climate Change Adaptation: A Study of 401 Cities around the World

*Milja Heikkinen,
Sirkku Juhola,
Aasa Karimo, Johannes Klein,
Tuomas Ylä-Anttila*

Accountability, Legitimacy and Democracy 12 – Localness of Earth System Governance: Smallholders and Communities and the International Environmental Regime Complex

Venue: Janskerkhof – 117
Chair: Wil de Jong
Discussant: Bas Arts

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

Pablo Pacheco

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

Benno Pokorny

Between Greening and Grabbing: Transnational Environmental Actors, Domestic Institutions, and Indigenous Land Rights

*Thomas Eimer,
Sabrina Shanto,
Renata Santos*

Forest Carbon Offset in Brazil: Actors and Networks of Resistance

Veronica Goncalves

Domestic Norm Glocalization

Chris Höhne

Allocation, Access and Equity 10 – Gender, Fairness and Justice

Venue: Janskerkhof – 118
Chair: Andrea Collins

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

Andrea Collins

Gender in Development Discourses of Civil Society
Organizations Engaged in Mekong Hydropower
Development Deliberations

*Louis Lebel,
Phimphakan Lebel,
Kanokwan Manorum,
Zhou Yishu*

What About Gender in Climate Change? Twelve Feminist
Lessons from Development

Anne Jerneck

Allocation, Access and Equity 11 – Operationalizing Planetary Justice

Venue: Paushuize – Koninginnekamer
Chair: Elizabeth Dirth

The Practices of Multilateral Climate Governance: Blunting
the Politically Contested Edge of Equity?

Aarti Gupta, Sonja Klinsky

Planetary Just Transitions? Towards a Systematic Analysis

Dimitris Stevis, Romain Felli

Planetary Justice and the Ocean and Climate Regimes

Michelle Scobie

Adaptiveness, Resilience and Transformation 10 – Perspective Matters: Scales, Levels and Constructions

Venue: Huize Molenaar – Suite
Chair: Ines Dombrowsky

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

*Elke Kellner,
Christoph Oberlack*

Systematic Learning in Water Governance: Insights from Five
Adaptive Management Projects for Water Quality Innovation

*Elisa Kochskämper,
Thomas Koontz, Jens Newig*

Deconstructing the CAP: Global Versus Grassroots Influence
on Urban Climate Adaptation

Ayşem Mert

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

Yi Hyun Kang

Adaptiveness, Resilience and Transformation 11 – Institutional Shifts, Shifting Institutions

Venue: Paushuize – Bouillonzaal
Chair: Sander Chan
Chair: Pieter Pauw

Climate Financing Needs in the Land Sector under the Paris Agreement: An Assessment of Developing Country Perspectives

*Gabrielle Kissinger,
Aarti Gupta, Ivo Mulder,
Natalie Unterstell*

Institutions and Trade-offs between Climate-Resilience and Livelihood-Vulnerability in Socio-Hydrological Systems

*Sanchayan Nath,
Frank van Laerhoven,
Saidur Rahman*

Neoliberalism and the Uncertain Future of Funding International Agreements: A Review of 26 Agreements on Climate, Environment and Development

*Pieter Pauw,
Timmons Roberts*

Transforming Institutions in Transitional Societies of Rural India

Rosewine Joy

Theoretical and Methodological Foundations 5 – Model-based Research Approaches

Venue: Janskerkhof – 110
Chair: Henrik Selin

The Potential of Models of Agency in Climate Change Adaptation

Calum Brown

Utilizing Local Initiatives and Bottom-up Scenarios to Enhance IAMs and Inform Policymakers

*Rohan Bhargava,
Joost Vervoort, Laura Pereira,
Timon McPhearson*

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

*Christophe Cassen,
Béatrice Cointe*

Theoretical and Methodological Foundations 6 – Scenarios, Foresight and Anticipation

Venue: Janskerkhof – 116
Chair: Idil Boran

Analysing the Politics of Foresight for Social-ecological Systems Governance

*Lucas Rutting, Joost Vervoort,
Heleen Mees, Peter Driessen*

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

Mandy van den Ende

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

Scott Janzwood

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

Venue: Paushuize– Von Sinzendorf
Chair: Karsten Schulz

When NGOs Run Online Campaigns on Environmental Issues: a Theory-based Critique Drawing on Habermas and Foucault

Angela Oels

Nature and Power Relations: The Multifaceted Conflict over Genetically Modified Maize Cultivation in Germany

Beate Friedrich, Lena Partzsch

Earth System Governance 101

Venue: Paushuize – ‘s Jacobzaal
Ruben Zondervan

This session will start with a short introduction of the Earth System Governance Project. It will describe the aims and structures of the project and the institutional landscape it operates in, as well as review its ten-years' history, and describe current activities in research, teaching, science-policy, and network development. The remainder of the session will be a questions and answers format where participants can ask any question about or comment on the Earth System Governance Project.

This session is thus an opportunity for conference participants not yet familiar with the Earth System Governance Project to get their bearings, as well as for those participants interested in the dynamics and development of the project in recent years, and certainly for everyone with a question or comment that does not fit any other session at the conference.

Session 7 - Innovative Sessions

Wednesday, 7 November 2018
13:30 - 15:00

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

Venue: Huize Molenaar – Suite

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

This highly participatory innovative session discusses challenges of anticipatory climate governance in the world’s most vulnerable regions. The concept of anticipatory governance denotes novel steering mechanisms in the present (such as scenario building or climate modelling) that seek to imagine, adapt to and/or shape diverse uncertain futures. Yet it means different things to different communities, with little information currently available about actual anticipatory governance practices and their impacts on policy choices in vulnerable regions. Our innovative session invites researchers from diverse research communities to engage with the notion of anticipatory governance. This also includes experts from four global regions: Central America, West Africa, Southeast Asia and South Asia.

The session will, first, interrogate different notions of anticipatory governance and discuss a re-search framework with which to assess the practices of anticipatory governance in diverse regions of the world. Second, it will discuss the relevance and applicability of this research framework to the four global regions in parallel interactive sessions. We aim for participatory development of integrated perspectives on anticipatory governance in diverse global regions; an understanding of cross-regional similarities, differences and connections; and recommendations for improving the anticipatory governance research framework.

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

Venue: Janskerkhof – 110

Tatiana Kluvankova, Leticia Merino

To the Memory of Lin Ostrom (1933 – 2012).

Fifty years after introducing the Tragedy of the Commons by G. Hardin, it is clearly understood that unlimited use of resources does harm socio-ecological systems and that property rights alone are not sufficient to overcome open access problems. The freedom of commons is guaranteed by clearly defined boundaries and rules as analysed by Lin Ostrom who, after receiving the 2009 Nobel Memorial Prize in Economic Sciences, said that “Complexity is not the same as chaos”.

This session will explore the way the commons has developed, and in particular how modern theory of commons has been approaching the dilemma of resource use under growing pressure and the approaching of tipping points. In particular we will explore arguments for common pool resource regimes being vital strategies for hybrid governance to overcome resource depletion also under the global conditions and at cost lower than hierarchy or market governance.

The session will start with a multimedia introduction, followed by two illustrative examples of commons survival and a panel discussion on the prospects of the Commons for Earth System Governance. The session is organized by the CETIP Network-collaborative interdisciplinary research platform and Earth System Governance Research Centre.

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

Venue: UCK – Marnixzaal

Chair: Paul Wapner

Speakers: *Aarti Gupta, Matthias Honegger, Simon Nicholson, Sikina Jinnah, Cynthia Scharf, Jesse Reynolds*

Climate engineering (CE) involves deliberately intervening into the Earth's natural systems to counteract climate change. To date, while researchers are investigating the theoretical possibilities and moving toward small-scale testing of CE, no structures are in place to guide research, development, and possible deployment. This should disturb any scholar concerned with Earth System Governance since, whether one supports or rejects CE, establishing governance mechanisms is prerequisite to getting a handle on how CE will unfold.

For the past three years, the Academic Working Group on Climate Engineering (AWG) has been meeting to reflect on the need for CE governance and how the international community can best establish CE governing institutions. Their 2018 report explores governance challenges and opportunities to ensure that any CE research, development, and potential deployment will be guided by principles of accountability, legitimacy, and democracy.

The purpose of the session is to invite the wider earth system governance community into the conversation about geoengineering governance. AWG members will briefly explain the context, challenges, and key findings. Three outside scholars (uninvolved with the report) will critically assess the report's usefulness and reflect on how the AWG effort can best articulate with global environmental governance in general.

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

Venue: Huize Molenaar – Scheltema

Flurina Schneider, Theresa Tribaldos

The UN 2030 Agenda stresses the fundamental role science should play for implementing the 17 SDGs. But how can the earth system governance community effectively foster the production of knowledge relevant for key actors in the implementation of the SDGs? What is the role of inter- and transdisciplinary co-production of knowledge? What are promising theories of change?

The goal of this session is to discuss different perspectives of how the earth system governance community can and should contribute to the UN 2030 Agenda. The session will start with a short introduction on the topic and a presentation on how other Future Earth research networks such as GLP, PECS, GMBA, BioDiscovery, MRI and PAGES address the issue. By doing so, we will focus on different theories of change, as well as implementation

strategies and implementation experiences of these networks. Then, we will moderate a discussion with all participants. The discussion will be organised by applying the “fishbowl”- technique to allow all participants to engage and express their perspectives.

Innovative Session 5 – Low-Carbon Finance

Venue: Huize Molenaar – Tuinkamer

Bregje van Veelen, Mark Cooper, Susan Park, Friedemann Polzin, Jessica Maxwell

The Paris Agreement prioritizes finance as a core component of the global response to climate change. This focus on making finance work for climate change has contributed to the emergence of a range of new green finance actors, instruments and initiatives. Critical engagement with questions of agency, governance, and power to understand how low-carbon finance is, or can be, made commensurate with the wider field within it occurs has been limited.

In this innovative session we seek to address this by bringing together academic, private sector, and public sector stakeholders to critically explore the nature and governance of low-carbon finance. This involves: (1) an exploration of the features of low-carbon finance; (2) a focus on the governance dynamics of low-carbon finance; (3) the institutions, rules, practices or norms that make low-carbon qualities of materials, products and processes visible and the relationship between new low-carbon ‘things’ and the cultural and political economies within which they are embedded; and (4) the potential interactions and trade-offs between ‘low-carbon’ and other ‘sustainable’ qualities of new materials, products and processes.

The format for this session will be an interactive panel comprised of academic and non-academic participants.

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

Venue: Paushuize – Bouillonzaal

Tim Cadman, Oscar Widerberg

Data visualisation (as opposed to ‘info-graphics’) is in an early stage of evolution, and developing robust theoretical, methodological and analytical frameworks will be essential to making such new technologies move beyond ‘click bait’ and ‘eye candy’. This session will present two different but complimentary approaches to visualizing complex data in the international climate and biodiversity policy regimes, and seek feedback and comments from session participants.

1) The ‘Connect-it Climate’ platform features data collected on 89 transnational and international climate governance arrangements. It allows users to visualize, sort and organize various data in their own way. The platform brings an element of discovery and fun to global climate governance data. It is an innovative collaboration between researchers from IVM at the Vrije Universiteit Amsterdam and Template Studio.

2) Understanding what contemporary international policy regimes ‘look’ like is critical to engaging policymakers and the public in processes that are often bewildering and frustrating. The Climate Regime Map and Eco-Regime Map, developed by Griffith University, are intended as decision support tools to enable users to navigate themselves around. The project seeks to move beyond a two-dimensional mapping exercise, and encompass visually engaging graphics, connected databases of information, surveys, and other interactive components.

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

Venue: Paushuize – Von Sinzendorf

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

This highly participatory innovative session discusses challenges of anticipatory climate governance in the world's most vulnerable regions. The concept of anticipatory governance denotes novel steering mechanisms in the present (such as scenario building or climate modelling) that seek to imagine, adapt to and/or shape diverse uncertain futures. Yet it means different things to different communities, with little information currently available about actual anticipatory governance practices and their impacts on policy choices in vulnerable regions. Our innovative session invites researchers from diverse research communities to engage with the notion of anticipatory governance. This also includes experts from four global regions: Central America, West Africa, Southeast Asia and South Asia.

The session will, first, interrogate different notions of anticipatory governance and discuss a research framework with which to assess the practices of anticipatory governance in diverse regions of the world. Second, it will discuss the relevance and applicability of this research framework to the four global regions in parallel interactive sessions. We aim for participatory development of integrated perspectives on anticipatory governance in diverse global regions; an understanding of cross-regional similarities, differences and connections; and recommendations for improving the anticipatory governance research framework.

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

Venue: Paushuize – 's Jacobzaal

Saleem Ali, Stacy VanDeveer, Rakhyun Kim

In 2017 the US Geological Survey published a critical minerals assessment noting that out of 23 key minerals, 21 have more than 50% of their demand met from imports. The report raised enough alarm bells that President Trump issued an executive order the very next day to expand critical minerals production. Yet, the mechanisms by which this production could best be facilitated have eluded much discussion.

Similar alarms have also been raised by the European Union, Japan and South Korea. The private sector has been highly concerned since companies have struggled to get secure tenders, leading some to target specific mining investments and more vertical integration of the supply chain. The global context of this problem and its linkage to green technologies to meet key targets of global environmental agreements makes this a ripe area of discussion for earth systems governance researchers and practitioners.

The session will be conversational in format with two speakers as “fire-starters” on the questions: Why are market failures arising in terms of critical metals shortages? And, what is most effective in transcending resource nationalism on critical metals for green technologies so as to allow for earth systems governance processes to be operationalized?

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

Venue: Paushuize – Koninginnkamer

Anna Kaijser, Maria Brockhaus, Nadia Sitas, Houri Djoudi, Lisa Arlbrandt, Anna Axelsson

Social and environmental power structures and injustices do not operate in isolation. Today's rapidly changing natural and socio-economic systems are showing a trend of reinforcing unequal social structures and injustices. Systems of power interact across mechanisms of social organisation. How such power plays out in Earth System Governance is not well understood.

This roundtable discussion will use the concept of intersectionality as a theoretical lens through which to view how an individual's and group's social locations intersect at multiple points of power relations within different contexts and across scales. Such a perspective offers a broader view of what Earth System Governance is and might be. Additionally, an intersectional approach has promising implications for furthering the development of transdisciplinary self-reflexive research methodology and practice.

Participants will speak briefly from their perspectives of the problems of power and initiate a discussion around questions including for instance: How can an intersectional approach further our understanding of how to incorporate multiple perspectives? How can this understanding be translated into research and development practice across scales? And, how do we create new forms of Earth System Governance that transcend unequal power dynamics rather than reinforcing them?

Innovative Session 10 – Meet Your Journal Editors and Publishers

Venue: Paushuize – Luxembourg

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

Steven Bernstein – *Global Environmental Politics*

Elizabeth Dirth – *Earth System Governance*

Joyeeta Gupta – *International Environmental Agreements: Politics, Law and Economics*

Matthew Hoffmann – *Global Environmental Politics*

Sikina Jinnah – *Environmental Politics*

Erika Weinthal – *Global Environmental Politics*

Oran Young – *MIT Press, Earth System Governance book series*

The purpose of this session is to discuss the process of successfully publishing top articles in academic journals in the field of environmental politics and governance. The session introduces the review process, the issues reviewers typically look for in an academic article, common pitfalls of articles, and types of articles the editors encourage, among others. The session is open to everyone but is especially targeted at junior scholars.

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Innovative Session 11 – Beyond ‘Cockpit-ism’ Revisited: Taking Stock of Global Sustainability Governance

Venue: Paushuize – Beelaerts van Bloklandzaal

Co-hosted by PBL Netherlands Environmental Assessment Agency

Chair: *Hans Mommaas*

Speakers: *Harriet Bulkeley, John Dryzek, Maarten Hajer, Marcel Kok, Willem Ligtvoet, Detlef van Vuuren*

At the beginning of 2015, a group of leading authors in the field of global sustainability governance published ‘Beyond Cockpit-ism: Four Insights to Enhance the Transformative Potential of the Sustainable Development Goals.’ ‘Cockpit-ism’ concerned “the illusion that top-down steering by governments and intergovernmental organizations alone can address global problems”. The article argued for the need to additionally mobilize new agents of change such as businesses, cities and civil society. Since then, we have moved into a ‘post-Paris’ period, and with that into a more solid practice of global-regional CO2 modelling, budgeting and accounting. Parallel to this, the accounting/planning model related is used as an inspiration for other environmental ambitions, such as with regard to biodiversity, land use, climate adaptation.

During this innovative panel, taking ‘Beyond Cockpit-ism’ as a motivational starting point, we want to explore and discuss the multi-level/multi-actor dimensions of current global sustainability programmes and practices. How can we typify dominant knowledge-policy tendencies in terms of the overarching differentiation between ‘classical’ modernist, and more ‘inclusive’ or ‘reflexive’ approaches? In what sense is this still a useful differentiation? How to move to a more dynamic/contextual understanding of global-local development configurations, both in terms of the legal, financing and knowledge arrangements organised? What can we learn from experiences with the post-Paris climate agreement, the SDG framework, or ‘Genuine Progress’ perspectives?

Session 8

Wednesday, 7 November 2018

15:30 - 17:00

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Architecture 17 – Governance Innovations: SDGs, Digital Solution, Visualization

Venue: Paushuize – Koninginnkamer

Chair: Elana Wilson Rowe

Governance for Achieving the Sustainable Development Goals: How Important Are Participation, Adaptive Governance, Reflexivity, Coherence and Democratic Institutions?

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Lisa-Maria Glass, Jens Newig

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

.....
Brianna Scrimshaw Botchwey

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

Marcel Dorsch

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

Navam Niles

Architecture 18 – Water Governance: Collaboration, Interplay and Local Varieties

Venue: Paushuize – Von Sinzendorf

Chair: Diego Osorio

Form follows Function? Problems of Interplay in Mongolia's Water Governance Framework and Lessons for Water Governance Architectures in Developing Countries

*Mirja Schoderer,
Ines Dombrowsky*

Difficult Travels: Why Delta Plans Don't Land in the Chao Phraya Delta

*Daniel Hogendoorn,
Arthur Petersen,
Arjen Zegwaard*

The Governance Conditions for Adaptive Fresh Water Management in the Vietnamese Mekong Delta

*Thanh Ha, Carel Dieperink,
Tri Van Pham Dang,
Henriëtte Otter, Piet Hoekstra*

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

*Ines Dombrowsky,
Oliver Hensengerth*

Collaborative Governance Architectures in Dutch Flood Risk Management: A Historical Analysis

Emma Avoyan

Agency 19 – Discourses, Meaning and Sense-making in Environmental Governance

Venue: Janskerkhof – 117

Chair: Lars H. Gulbrandsen

Meaning Work: Reworking Institutional Meanings for Environmental Governance

*Chris Riedy, Jennifer Kent,
Nivek Thompson*

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

Eduardo Gresse

NGO Discourses about the International Governance of
Geoengineering

*Hendrik van der Linden,
Frank Biermann,
Rakhyun Kim,
Matthias Honegger*

Agency 20 – Follow the Money: Financial Actors in Climate Politics

Venue: Paushuize – 's Jacobzaal
Chair: Geoffrey Nwaka

Urban Climate Finance and Decentralization in Centralized
States: A Case Study on Authority Shifts in Da Nang and Ho
Chi Minh City, Vietnam

Pim ten Haaf, Mattijs Smits

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

Duminisani Chirambo

Investing and Divesting in Fossil Fuels: Pension Funds in the
Netherlands and the United Kingdom

*Niek Daamen,
Graham Tennant-Green,
Joyeeta Gupta*

Development Cooperation and Fossil Fuels: The Case of US,
UK and German Aid to India

*Barbara Hermann,
Louise Burrows,
Vivienne Legg, Joyeeta Gupta*

Allocation, Access and Equity 12 – Foundations for Planetary Justice in Earth System Governance

Venue: Paushuize – Luxembourg
Chair: David Schlosberg

What Do We Mean When We Talk About Justice? An
Analysis of the Narratives of Planetary Justice Used in
Environmental Governance Research

*Elizabeth Dirth,
Frank Biermann,
Agni Kalfagianni,*

Justice versus Equity in Global Environmental Governance

*Brendan Coolsaet,
Neil Dawson, Esteve Corbera,
James Fraser, Adrian Martin,
Iokine Rodriguez*

Planetary Justice: What Can We Learn from Ethics and
Political Philosophy?

Ingrid Robeyns, Colin Hickey

Thinking through the Planetary

Sabine Selchow, Glenda Sluga

Allocation, Access and Equity 13 – Access and Equity for Resilience and Transformative Forest Governance to Tackle Climate Change and Biodiversity Loss in a Complex World

Venue: Paushuize – Bouillonzaal
Chair: Grace Wong
Discussant: Emily Boyd

The Politics of Payments for Environmental Services: Who Benefits? Who Loses? A Case Study from Vietnam

*Thuy Pham, Grace Wong,
Maira Moeliono,
Maria Brockhaus*

Whose Voices Are Heard and Why? Advocacy Coalitions in the European Union LULUCF Negotiations

*Natalya Yakusheva,
Maria Brockhaus*

What Future for Primates? Conservation Struggles and Multi-level Governance for REDD+ in Cross River State, Nigeria

*Torsten Krause,
Tobias Nielsen, Veiko Lehsten,
Ola Olsson, Fariborz Zelli*

The Mathematics of Sustainable Development: Analysing the Cross-scale and Telecoupling Effects of China's Reforestation Program on Climate Change and Biodiversity

*Andrea Downing,
Odirilwe Selomane,
Michelle Dyer, Grace Wong,
Patrick Flege,
Amanda Jimenez Aceituno*

Adaptiveness, Resilience and Transformation 12 – Be Prepared! Learning to Live with Climate Change

Venue: Paushuize – Beelaerts van Bloklandzaal
Chair: Pieter Pauw

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

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

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

Asim Zia

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

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

Techno-optimism and Farmers' Attitudes toward Climate Change Adaptation

Maaz Gardezi, J. Arbuckle

Assessing the Influence of Natural Hazards on National Disaster Risk Reduction

*Daniel Nohrstedt,
Charles Parker*

.....
Adaptiveness, Resilience and Transformation 13 – Together We Prevail, Divided We Fail: Collaborative Governance

Venue: Janskerkhof – 116
Chair: Jean Carlo Rodriguez
Discussant: Steffen Bauer

The Two Faces of Securitization in Risk Governance: A Study of Climate Change Adaptation in Nigeria

*Chinwe Oramah,
Kenneth Gould,
Odd Einar Olsen*

Self-organizing Transformations: A Social-ecological Network Reaction to an Oil Spill in Babitonga Bay, Santa Catarina

*Theresa Schwenke,
Dannieli Herbst-Gerhardinger,
Leopoldo Cavaleri
Gerhardinger, Marion Glaser*

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

Carolyn Brown

Towards Sustainable Peace? The Social-ecological Dimensions of Post-conflict Governance in Aceh, Indonesia

*Yanuardi, Bettina Bluemling,
Frank Biermann*

.....
Adaptiveness, Resilience and Transformation 14 – Scaling up Successful Strategies for Climate Change Adaptation and Transformations of Earth System Governance through Archetype Analysis

Venue: Huize Molenaar – Suite
Chair: Christoph Oberlack
Discussant: Susanne C. Moser

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

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

Susanne Moser

Archetypical Opportunities for Water Governance Adaptation to Climate Change

*Anastasiia Gotgelf,
Matteo Roggero,
Klaus Eisenack*

How Do We Know It Works, and Could It Work Elsewhere? An Empirical Exploration on What Is Considered Transferable Across Cases

Carolina Adler

Governance of Sustainability Problems through Transdisciplinary Research: Archetypical Pathways to Impact in Agricultural Systems

*Theresa Tribaldos,
Flurina Schneider,
Christoph Oberlack,
Stephan Rist*

Archetypical Strategies for Safeguarding Community Access to Land and Natural Resources in the Global Land Rush

*Christoph Oberlack,
Andrea Winiger,
Patrick Kupferschmied,
Markus Giger, Peter Messerli,
Stephan Rist*

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

A New Conceptual Framework for Analysing the Effectiveness of Multilateral Environmental Agreements

Venue: Janskerkhof – 118
Chair: Frederic Hanusch

Henrik Selin, Noelle Selin

Understanding the Evolution of Complexity Thinking in the Context of Earth System Governance

*Esther Meyer, Gregor Schmieg,
Isabell Schrickel*

Governing Marine Plastic Pollution: An Environmental Flows Perspective

*Judith van Leeuwen,
Simon Bush*

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

Diverse Understandings of Anticipatory Climate Governance: Theory and Practice

Venue: Huize Molenaar – Scheltema
Chair: Peter Pelzer
Discussant: Joost Vervoort

*Karlijn Muiderman,
Aarti Gupta, Joost Vervoort,
Frank Biermann*

New Pathways for Governing Urban Food System Transformations: a Pluralistic Practice-based Futures Approach Using Visioning, Back-casting and Serious Gaming

*Astrid Mangnus,
Joost Vervoort,
Steven McGreevy,
Kazuhiko Ota, Momoe Oga,
Mai Kobayashi,
Christoph Rupprecht*

Changing the Rules: Game Co-Design as a Futures Method for Inquiry and Experimentation with Systems of Environmental Governance

Joost Vervoort

Governing SDG Implementation through Blockchain Technology: Limitations and Possibilities

*Karsten Schulz,
Oskar J. Gstrein,
Andrej J. Zwitter*

Techniques of Futuring: The Search for Soft Spaces to Break out the Climate Deadlock

*Jesse Hoffman, Peter Pelzer,
Maarten Hajer*

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

Venue: UCK – Marnixzaal
Chair: Jesse Reynolds
Discussant: Ruben Zondervan

Climate Engineering and Earth System Governance in the Anthropocene

Jesse Reynolds, Joshua Horton

Climate Engineering and the Sustainable Development Goals: Toward an Assessment Framework

Matthias Honegger, Joshua Horton, Pete Irvine

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

Ina Möller

Managing Institutional Complexity in Geoengineering Governance

Florian Rabitz, Leta Bielinyté

Theoretical and Methodological Foundations 11 – Science, Knowledge and Uncertainty

Venue: Huize Molenaar – Tuinkamer
Chair: Tabitha Benney

Scientific Uncertainty and Decision-making on Tuna Regional Fisheries Management Organizations

Mark Axelrod, D.G. Webster

Policy Reports as Boundary Spanning Devices? A Story of Glossy Pictures, Fancy Logos, and the Science-policy Interface

Jennifer Bansard

Exploring Connectedness to Co-produce Knowledge between Western and Indigenous Ontologies

Nidia Gonzalez

The Dominant Belief System on the Economy and the Environment in Canada: Evidence from Elite Perspectives Using Q Methodology

Christopher Orr

Special Taskforce and Meeting Day

De Uithof

Thursday, 8 November 2018

08:00 - 18:00

This day is reserved for taskforces, harvesting initiatives, and similar working groups of the Earth System Governance Project to find collective space to advance writing projects, plan new events, and shape the research and outreach agenda in the numerous subfields of the Earth System Governance Project. It is still possible to sign up for some of the meetings at the conference registration desk, registration fees apply.

Schedule

<i>Time</i>	<i>Event</i>	<i>Description</i>	<i>Venue</i>
08:00 - 09:00	Registration	Registration and morning coffee/tea	Ruppert Hall
09:00 - 10:30	Opening Plenary	Earth System Governance: Science – Policy – Society	Ruppert Blauw
11:00 - 13:00	Session 1	Ecological Democracy Working Group	BBG 017
		New Technologies in the Anthropocene	Minnaert 0.09
		Planetary Justice Taskforce Meeting	Minnaert 0.11
		Science and Knowledge in Earth System Governance	Minnaert 0.13
13:00 - 14:00	Lunch Break		Restaurant Minnaert
14:00 - 18:00	Session 2	Cluster and Working Group Ideas and Developments of the Task Force Ocean Governance	Minnaert 0.11
		Green Economy and Just Transitions	Minnaert 0.13
		Planetary Justice Steering Group Meeting (by invitation only)	Minnaert 0.09
		ESGRREW meeting: Where Law meets Justice: Key Challenges and Perspectives for the Environment	BBG 103
		Access and Allocation - Harvesting Initiative	BBG 112
		Anthropocene Taskforce Meeting	BBG 106
11:00 - 18:00	Session 3 (including Lunch Break)	Agency in Earth System Governance – Harvesting Initiative (by invitation only)	VMG 1.02
		Earth System Law: Standing at the Precipice of the Anthropocene	Minnaert 0.14
		Meeting of the Adaptiveness Harvesting Initiative	BBG 109
		Resilience Meeting	Minnaert 0.18
		Stocktaking Accountability in Global Environmental Governance	VMG 1.04
		The Urban Futures Game Jam: Game Co-design for Sustainable City Governance	BBG 105

Opening Plenary

Earth System Governance: Science – Policy – Society

Co-hosted by Stakeholder Forum for a Sustainable Future

‘The Earth System Governance Project, while being essentially a scientific effort, is also designed to assist policy responses to the pressing problems of earth system transformation’ (Earth System Governance Science and Implementation Plan, 2009).

Over the past decade, the Earth System Governance Project has initiated and fostered a vast amount of scientific knowledge relevant to policy making and addressing societal challenges. This knowledge has been inserted in policy making through various channels including scientific assessments, policy briefs, collaboration with boundary organisations, scientific advisory at inter-governmental negotiations, and by boots on the ground lobbying and networking.

Through the Governance for Global Sustainability Partnership with Stakeholder Forum for a Sustainable Future, the Project has recently strengthened its capacity in the interaction with policy processes and importantly, with other societal stakeholders. The latter is increasingly becoming important in addressing through co-development of knowledge, the challenges of governance in the Anthropocene.

In a conversation format, panelists will elaborate on their experiences in different formats of science-policy and science-society interactions, and reflect on the role and added value of research alliances like Earth System Governance in “assisting policy responses”. They will also touch on the practical challenges, and look ahead towards innovative, more effective interactions in the nexus of society, science, and policy.

Moderator

Ruben Zondervan, Executive Director, Earth System Governance Project, and Stakeholder Forum for a Sustainable Future

Panelists

Sander Chan, Researcher, German Development Institute, adjunct assistant professor, Copernicus Institute of Sustainable Development, Utrecht University

Diana Liverman, Professor of Geography and Development, University of Arizona

Elizabeth Mendenhall, Assistant Professor, University of Rhode Island

Louis Meuleman, Vice-Chair, UN Committee of Experts on Public Administration (CEPA)

David Mungai, Professor, and Deputy Director, Wangari Maathai Institute for Peace and Environmental Studies, University of Nairobi

Jan-Gustav Strandenæs, Member of the Board, Stakeholder Forum for a Sustainable Future

Meetings

Agency in Earth System Governance – Harvesting Initiative

Invitation only

Meeting convener: Michele Betsill

This will be a closed work session for authors involved in producing an edited volume detailing findings from the first ten years of research on the theme of agency in Earth System Governance. Based on analysis of more than 300 articles published in the period 2008-2016, the volume will document how this area of research has developed in terms of theories and methods; issues and geographies; key questions; types of actors; and links to other Earth System Governance analytical problems and cross-cutting themes.

Cluster and Working Group Ideas and Developments of the Task Force Ocean Governance

Meeting convener: Judith van Leeuwen

This meeting will discuss cluster and working group ideas and developments within the newly set up Ocean Governance Task Force. We would like to discuss with cluster leads and active members how the taskforce can facilitate, connect, seek funding as well as develop concrete topics or ideas for collaboration. Cluster leads are especially invited to come to this meeting, but the meeting is open for all members that have an interest and want to become active within this Task Force. In the afternoon we would like to give clusters the opportunity to meet.

Earth System Law – Standing at the Precipice of the Anthropocene

Meeting convener: Rak Kim

We are working on an edited volume on the concept of Earth System Law. The book will offer a unique opportunity to explore and interrogate emergent Earth System Law where the Earth system is the new focal point, using an Earth-centred perception in terms of law, science and ethics. Earth System Law departs from the premise that humans are separate from nature to one recognizing humans as part of, or one species among many, yet a unique one with the ability to intentionally shape the Earth system. Building on the work of Earth System Governance, Earth System Law reflects the fact that law is one social institution, of arguable durable quality as a formal institution that plays an increasingly important role in solving pressing problems in the governance of the earth system from the local to the global. This book will set the groundwork of Earth System Law to ensure sustainable development of the coupled socio-ecological system that the Earth has become.

Ecological Democracy Working Group

Meeting convener: Jonathan Pickering and Karin Bäckstrand

This meeting will take stock of the working group's progress so far and chart new directions for its work over the coming years, particularly in light of the theme of 'democracy and power' in the new Earth System Governance Science Plan. A priority for the meeting will be to map how research on ecological democracy connects to a broader range of themes in Earth system governance research – including transparency, accountability, legitimacy, participation, inclusion, representation, deliberation, social movements and beyond – and identify opportunities for greater dialogue across these areas. For this reason, we welcome conference participants who may not be working directly on ecological democracy but have an interest in this broader set of themes.

Green Economy and Just Transitions

Meeting convener: Lorraine Elliott

The idea of a 'just transition' has become an important factor in models and discourses of a green economy. It makes explicit the centrality of social equity and fairness, human well-being, and inclusive and participatory forms of governance in transitions to a (decoupled) political economy that is low carbon, resource efficient and environmentally sustainable. This special session will explore how Earth System Governance scholars have sought to understand and explain what makes such a green economy transition 'just' in both process and outcome, and whether such transitions are or should be fundamentally transformative.

Meeting of the Adaptiveness Harvesting Initiative

Meeting conveners: Bernd Siebenhuener and Riyanti Djalante

The Adaptiveness Harvesting Initiative seeks to bring together scholars and their research results addressing questions of Adaptiveness as formulated in the Earth System Governance Science Plan. A central product in the form of an edited volume is under preparation and will be at the centre of the meeting. We would like to discuss submitted articles and remaining gaps, as well as future tasks and timelines.

New Technologies in the Anthropocene

Meeting convener: Jesse Reynolds

Technologies' dual nature as causes of and responses to environmental damage becomes more evident with the rise of the Anthropocene concept. Although our impacts on Earth systems – such as climate change – have thus far been largely unintentional, some emerging technologies will enable us to do so intentionally, perhaps even in order to facilitate sustainability. Large-scale interventions in Earth systems to remove greenhouse gases are now part of mainstream climate scenarios. Slightly reducing incoming sunlight to counteract climate change, through solar geoengineering, is

steadily moving from the fringe toward the centre of scale discourses. And new biotechnologies, such as CRISPR-powered gene drives, might allow the intentional local eradication of invasive species or disease vectors. These technologies will fundamentally change how we interact with Earth systems and, by extension, how we govern these relations. This raises numerous challenging questions. Who will benefit, and who might lose out? Who is included in decision making, and who is presently absent? Are new institutions, rules, and norms needed, or can extant ones adapt to legitimately govern Anthropocenic technologies?

Planetary Justice Taskforce and Steering Group Meeting

Meeting conveners: Agni Kalfagianni, Frank Biermann, Elizabeth Dirth

Session 1, Taskforce Meeting (open for all): As a new Taskforce and an emerging field, the Planetary Justice Taskforce would like to offer a creative (and entertaining) format for introducing each other and our work. We aim to inclusively and collaboratively collect contributions for the development of the Taskforce and its future activities. We anticipate that this meeting will offer opportunities for continuing conversations which may have started at various stages of the conference.

Session 2, Steering Group Meeting (invitation only): Some members of the Planetary Justice Taskforce steering group are working on a special issue which is a joint-initiative publication of the taskforce. This began in a workshop hosted by Utrecht University in March 2018, and at this stage we expect to be finalizing papers and offering feedback on near-final texts. This session is specifically for those working on the special issue.

Resilience Meeting

Meeting convener: Lennart Olsson

The concept of resilience has over the last decades permeated scientific and political discourse on issues ranging from sustainability and climate adaptation to national security and international relations. But key questions remain, such as: is resilience a normative or descriptive concept; is resilience associated with a political agenda, and if so, what agenda(s); is there a (social) theory of resilience; is resilience theory/thinking an example of scientific imperialism, and if so, is this a problem? During this session we will discuss these and other pertinent questions of resilience in the context of earth system governance.

Stocktaking Accountability in Global Environmental Governance

Meeting conveners: Susan Park and Teresa Kramarz

This workshop welcomes papers that examine all aspects of accountability in global environmental governance: conceptual, theoretical and empirical and covering all environmental issues and actors. All papers presented will be given two discussants for feedback and all presenters must be willing to provide written comment on another presenters work. The workshop will be limited to 15 paper presentations.

These can be work in progress but full papers must be ready to circulate three weeks prior to the workshop. Participation of observers (without paper presentation) is also welcome.

The Urban Futures Game Jam: Game Co-Design for Sustainable City Governance

Meeting conveners: Joost Vervoort, Astrid Mangnus, Peter Pelzer, Jesse Hoffman,
Micah Hrehovcsik, Niels Keetels, Maarten Hajer

This interactive game design event, a ‘game jam’, will use live game design to investigate transformative futures at the city level. The game jam will bring together conference participants with Utrecht-based game designers and students, game design educators and researchers from Utrecht University and the Utrecht School of Arts, participants from start-up collective the Dutch Game Garden, as well as city-level policy makers, entrepreneurs and civil society initiatives. We aim to use this game jam to 1) create game prototypes that can be used to imagine and experiment with sustainable city governance which in turn lead to 2) a set of governance ideas and proposals, with Utrecht as a case study in an SDG context. The results will be a number of game prototypes focused on new governance ideas for the city of Utrecht in the context of the global Sustainable Development Goals (SDGs) – since Utrecht is a leader in city-level SDG action. This game jam builds on highly successful events at previous Earth System Governance conferences in Canberra and Nairobi.

ESGRREW Meeting: Where Law meets Justice: Key Challenges and Perspectives for the Environment

Meeting conveners: Sandy Lamalle and Peter Stoett

The session will include keynotes, panel presentations and a workshop. The session will address the issues of environmental rights and justice in domestic and international law, and the questions of conceptual and institutional legal representations of the environment, taking into account Earth jurisprudence, legal pluralism and scales of implementation.

Science and Knowledge in Earth System Governance

Meeting conveners: Ruben Zondervan, Alejandro Esguerra and Sandra van der Hel

Science and knowledge are both contested and ubiquitous elements of global environmental politics. Increasingly, scholars of environmental governance turn their attention to the role of scientific institutions and different types of knowledge in governance for sustainable development. At the same time, many members of the research community are actively engaged at the science-policy interface, for example as lead authors in global environmental assessments or advisors in international policy bodies. This meeting aims to bring both perspectives together and explore questions such as: What are new modes practicing and institutionalizing expertise in environmental governance? How can we deal with structural imbalances in knowledge and the dominance of certain forms of knowledge over others? How can we engage more reflexively with the production and use of knowledge in governance for sustainable development?

Utrecht Winter School on Earth System Governance

Sponsored by UGlobe, The Utrecht University Centre for Global Challenges

Utrecht University, The Netherlands

Wednesday, 31 October 2018 – Sunday, 4 November 2018

Academic Directors:

Dr Rakhyun E. Kim, Utrecht University, The Netherlands

Dr Joost Vervoort, Utrecht University, The Netherlands

Course Coordinators:

Charlotte Ballard, Utrecht University

Sandra van der Hel, Utrecht University

The earth system governance research community is at a crossroads. The existing Science and Implementation Plan has provided useful guidance to the research community for the past decade. However, it is due to be replaced with a new research plan at the 2018 Utrecht Conference on Earth System Governance. What have we achieved so far and what new themes and debates can we expect over the next ten years? It is time to take stock of research findings and engage with the new research agenda that has started to emerge.

The 2018 Utrecht Winter School on Earth System Governance is designed to function as an incubator for early career researchers working with the new earth system governance research agenda. The aim is to critically reflect on the new research agenda and start taking it forward by facilitating early career researchers' work connected to this agenda.

Format

The Winter School will combine a series of highly stimulating lectures and dialogues on key themes in the new science agenda, along with interactive 'writeshops' focusing on participants' work-in-progress, in order to take ideas from the science agenda and forward them into concrete projects and publications.

Confirmed Speakers

Prof. Michele Betsill, Colorado State University, United States of America

Prof. Frank Biermann, Utrecht University, The Netherlands

Prof. Maarten Hajer, Utrecht University, The Netherlands

Prof. Cristina Inoue, University of Brasília, Brazil

Prof. Derk Loorbach, DRIFT, The Netherlands

Prof. David Schlosberg, University of Sydney, Australia

Prof. Oran Young, University of California at Santa Barbara, United States of America

Dr Roy Bendor, TU Delft, The Netherlands

Dr Michael John Bloomfield, University of Bath, United Kingdom

Dr Marie Claire Brisbois, University of Sussex, United Kingdom

Dr Sander Chan, German Development Institute, Germany

Dr Aarti Gupta, Wageningen University and Research Centre, The Netherlands

Dr Giuseppe Feola, Utrecht University, The Netherlands

Dr Colin Hickey, Utrecht University, The Netherlands

Dr Sonja Klinsky, Arizona State University, United States of America

Dr Frank van Laerhoven, Utrecht University, The Netherlands

Dr Heleen Mees, Utrecht University, The Netherlands

Dr James Patterson, Utrecht University, The Netherlands

Dr Jonathan Pickering, University of Canberra, Australia

Dr Marjanneke Vijge, Utrecht University, The Netherlands

Side Events/Meetings

Conference Excursion

Living with Water – Exploring Dutch Polders, Dikes, and Canals

Sunday, 4 November 2018

10.00 - 18.00

Academic Advisor: Carel Dieperink, Utrecht University

Long ago, the Dutch were stupid enough to start living in the middle of the North Sea. Ever since we have had to deal with this. But we succeeded!! (so far). However, living in the delta with a substantial number of people is still a challenge. Both infrastructural and technological measures are required to allow the Dutch to continue living in the low lands. In this excursion we will touch upon these. We plan to get around by bus and familiarize you with the way the Dutch have tried to use the abundance of water to keep enemies out (unsuccessfully), how flood risks are reduced by creating retention areas which are combined with initiatives concerning the renaturation of river bed. First we will visit the Dutch Waterline Museum and next go for a guided tour to the Blauwe Kamer nature restoration project. We plan to continue our trip with short side visits to the Beatrix sluices and/or Hagestein Weir and will conclude our trip by tasting some nice beers in one of the old fortresses of the Dutch water defense line.



Early Career Welcome Drinks

Venue: Academieggebouw, room 1636

Sunday, 4 November 2018

17:00 - 19:00

On the eve of the 2018 Utrecht Conference on Earth System Governance, we organize Welcome Drinks for early career scholars in the Utrecht University Hall, right in the heart of the historic city centre. This event marks the end of the Utrecht Winter School on Earth System Governance 2018, as well as the beginning of the conference week. Here, we provide an informal setting in which early career scholars can meet while enjoying a drink and a bite – the perfect way to start the 2018 conference!

All early career researchers are invited!

Lead Faculty Reception

Invitation only

Venue: Academiegebouw
Sunday, 4 November 2018
18:00 - 20:00

Welcome Reception for the Earth System Governance Lead Faculty and the authors of the 2018 Science and Implementation Plan.

Welcome Addresses

Bas van Bavel, Utrecht Univ. Strategic Theme 'Institutions for Open Societies,' The Netherlands

Maarten Hajer, Utrecht Univ. Strategic Theme 'Pathways to Sustainability,' The Netherlands

Lead Faculty Lunch

Invitation only

Venue: Paushuize - Beelaerts van Bloklandzaal
Monday, 5 November 2018
12:30 - 13:30

Book Launch

Venue: Paushuize, Van Tuyll van Serooskerken Salon
Tuesday, 6 November 2018
12:30 - 13:30

Eduardo Viola and Matías Franchini. (Routledge, 2018). *Brazil and Climate Change: Beyond the Amazon*.

Sonja Klinsky and Jasmina Brankovic. (Routledge, 2018). *The Global Climate Regime and Transitional Justice*

Sébastien Duyck, Sébastien Jodoin, Alyssa Johl (eds.). (Routledge, 2018). *The Routledge Handbook of Human Rights and Climate Governance*.

Kyla Tienhaara. (Routledge, 2018). *Green Keynesianism and the Global Financial Crisis*.

Beth Edmondson and Stuart Levy (eds.). (Palgrave Macmillan, 2019). *Transformative Climates and Accountable Governance*.

Duncan French and Louis Kotzé (eds.). (Edward Elgar, 2018). *Sustainable Development Goals: Law, Theory and Implementation*.

Research Centres Lunch

Invitation only

Venue: Paushuize – Beelaerts van Bloklandzaal
Tuesday, 6 November 2018
12:30 - 13:30

International Environmental Agreements (INEA) Journal Lunch

Invitation only

Venue: Paushuize – Dom Kabinet
Tuesday, 6 November 2018
12:30 - 13:30

Earth System Governance Editorial Board Meeting

Invitation only

Venue: Paushuize – Beelaerts van Bloklandzaal
Wednesday, 7 November 2018
12:30 - 13:30

Extra Information

Restaurants / Cafès

Puschkin Ontbijt and Lunch

Cafè with a glass facade

Vlaamsch Broodhuys

A bakery/café with a delicious selection of fresh bread and tarts.

De Ontdekking

Very cozy café by the Drift library.

Broei

Breakfast, lunch, brunch and dinner options in a central location.

Gys

Restaurant by the Drift city centre library, a lively area in Utrecht with many cafes. In city centre. Biological and local food, strong focus on sustainability; vegetarian and vegan.

Ana's Kuzin

Centrally located turkish cuisine restaurant.

Pannekoekenhuis

This magical 'pancake house' is located in the middle of De Bilt, the forest right next to the Uithof campus.

Instock

Serves breakfast, lunch and dinner. Food with a Dutch touch made from surplus – letting no food go to waste.

Le Jardin

Local food, as green as possible! Great atmosphere, plant-based restaurant with lunch and dinner a la carte - also with loads of plants in its interior.

Dapp

Typical Dutch biological fries.

Bars

De Drie Dorstige Herten

An old school beer café with a selection of over 100 types of beer. Has a homey feeling.

Café Olivier

Large selection of Belgian beers in a former conventicle.

Rubens Proeflokaal

A charmingly small wine bar on the Nieuwegracht, cosy ambiance and feels a bit like going back in time.

't Oude Pothuys

Very suggestive pub inside of a canal wharf on the Oudegracht, with live music on some occasions.

List of Participants

Kevin Adams, Stockholm Environment Institute, Sweden

Kamalesh Adhikari, The University of Queensland, Australia

Carolina Adler, ETH Zurich, Switzerland

Hanna Ahlström, University of Oslo, Norway

Sanne Akerboom, Utrecht University, The Netherlands

Joseph Alcamo, University of Sussex, United Kingdom

Jen Allan, Carleton University, Canada

Mike Angstadt, Colorado State University, United States of America

Manuel Arias-Maldonado, University of Malaga, Spain

Vicky Ariyanti, Erasmus University Rotterdam, The Netherlands

Jones Arthur, Sunyani Technical University, Ghana

Anne Asselinde Williencourt, ,

Graeme Auld, Carleton University, Canada

Juan Auz, Potsdam Institute for Climate Impact Research, Germany

Emma Avoyan, Radboud University, The Netherlands

Mark Axelrod, Michigan State University, United States of America

Stefan Aykut, Hamburg University, Germany

Karin Bäckstrand, Stockholm University, Sweden

Charlotte Ballard, Utrecht University, The Netherlands

Jennifer Bansard, University of Potsdam, Germany

Kate Barclay, University of Technology Sydney, Australia

Dona Barirani, Utrecht University, The Netherlands

Harry Barnes-Dabban, Ports Environmental Network-Africa (PENAf), Ghana

Ana Flavia Granja Barros, ,

Robert Bartlett, University of Vermont, United States of America

Viera Bastakova, Slovak Academy of Sciences, Slovak Republic

Steffen Bauer, German Development Institute, Germany

Sherrie Bayer, The City College and The Graduate Center-CUNY, United States of America

Silke Beck, UFZ - Helmholtz Centre for Environmental Research, Germany

Lisette Beek, Utrecht University, The Netherlands

Jacopo Bencini, German Development Institute, Germany

Jeremy Bendik-Keymer, Case Western Reserve University, United States of America

Ann-Kathrin Benner, Institute for Peace Research and Security Policy, Germany

Tabitha Benney, University of Utah, United States of America

Magnus Benzie, Stockholm Environment Institute, Sweden

Steven Bernstein, University of Toronto, Canada

Michele Betsill, Colorado State University, United States of America

Katja Biedenkopf, University of Leuven, Belgium

Frank Biermann, Utrecht University, The Netherlands

Robbert Biesbroek, Wageningen University & Research, The Netherlands

Michael Bloomfield, University of Bath, United Kingdom

Mareike Blum, University of Freiburg, Germany

Heike Boehler, Technical University Darmstadt, Germany

Antonija Bogadi, Technical University Vienna, Austria

Martin Bohle, DG Research and Innovation, Brussels

Brita Bohman, Göteborg University, Sweden

Idil Boran, York University, Canada

Annette Bos, Monash University, Australia

Brianna Botchwey, University of Toronto, Canada

Youness Boujoudar, Universite Sidi Mohamed Ben Abdellah, Morocco

Eve Bourgeois, University of Toronto, Canada

Meg Boyle, Penn State University, United States of America

Clara Brandi, German Development Institute, Germany

Marie Claire Brisbois, Utrecht University, The Netherlands

Maria Brockhaus, University of Helsinki, Finland

Sandra Broerse, Elsevier, The Netherlands

Calum Brown, Karlsruhe Institute of Technology, Germany

Carolyn Brown, University of Prince Edward Island, Canada

Arjen Buijs, Wageningen University & Research, The Netherlands

Harriet Bulkeley, Durham University, United Kingdom

Sarah Burch, University of Waterloo, Canada

Tim Cadman, Griffith University, Australia

Phillip Campanile, Berkeley, United States of America

Maria Rebecca Campos, University of the Philippines Open University, Philippines

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International Review Panel

We thank the members of the International Review Panel for their effort.

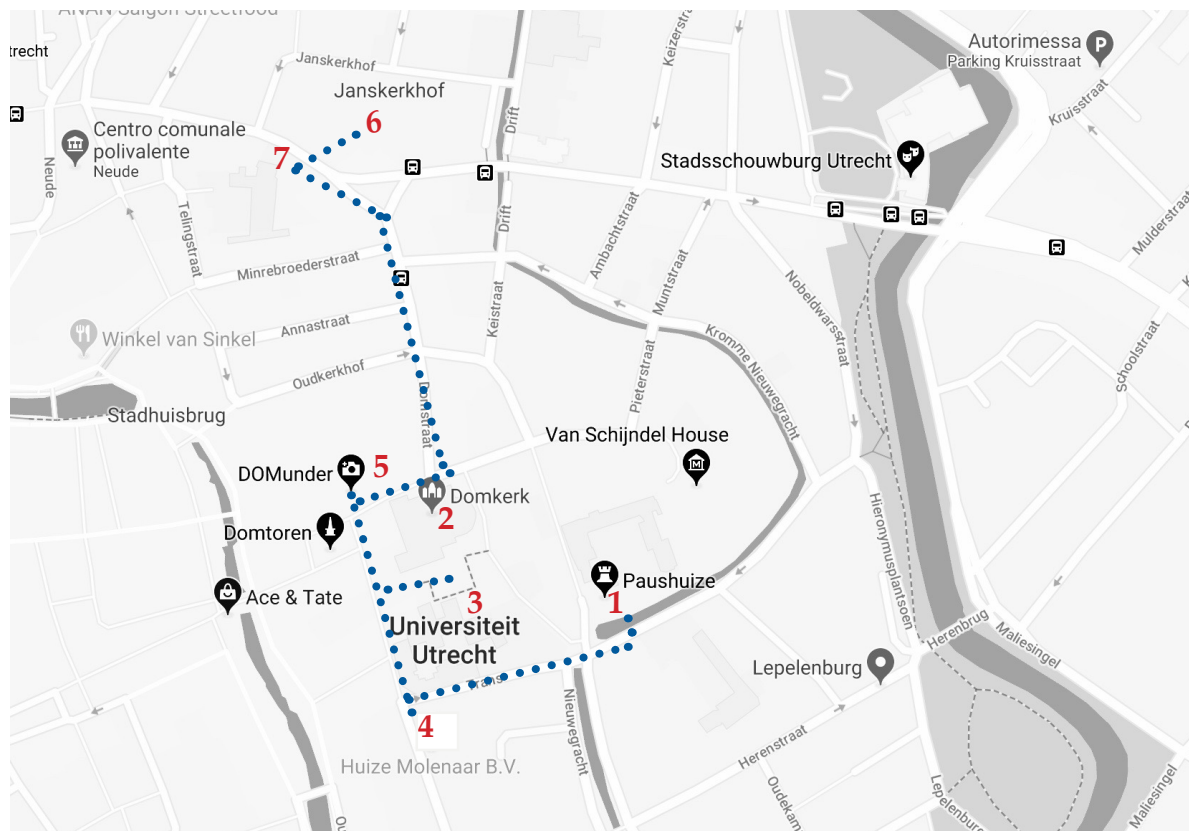
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 Eduardo Viola, University of Brasilia, Brazil
 Oran Young, University of California at Santa Barbara, United States of America
 Fariborz Zelli, Lund University, Sweden
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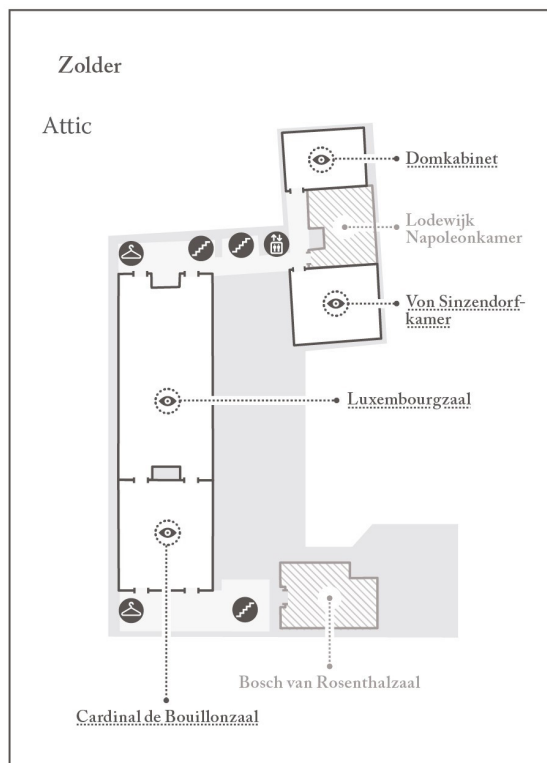
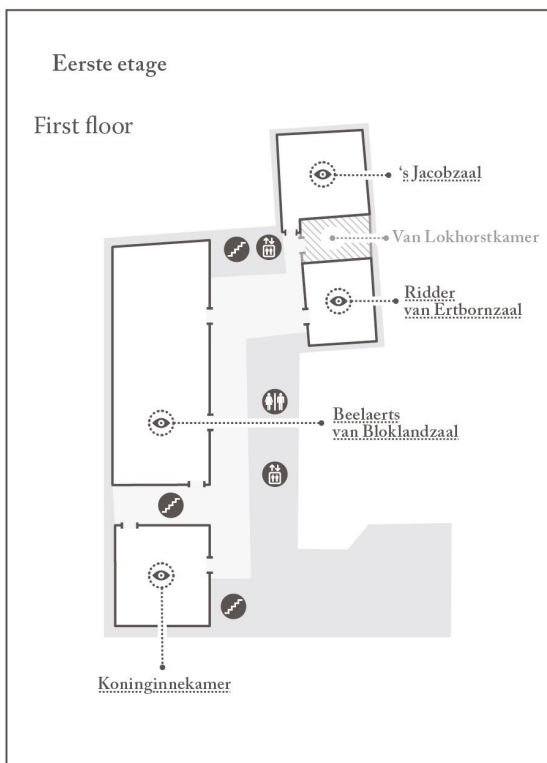
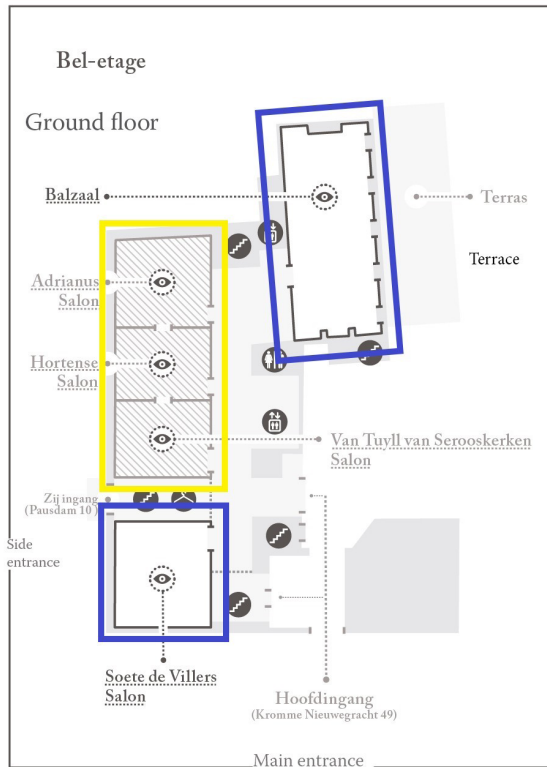
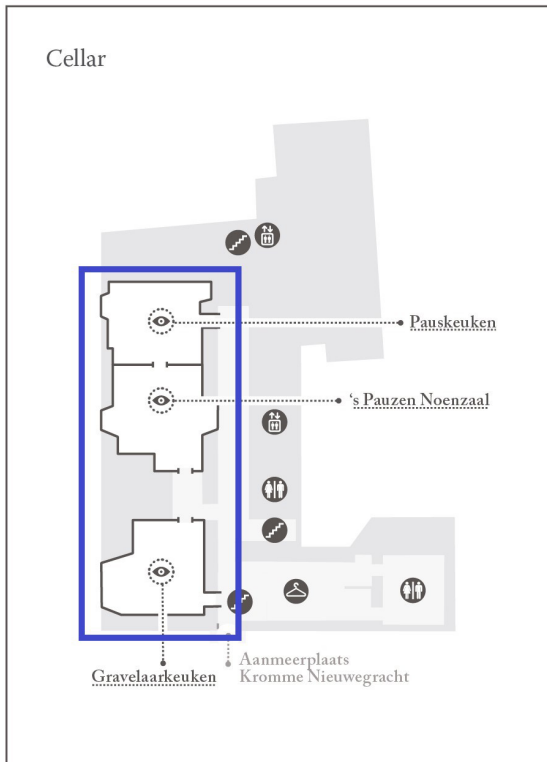
Dr. Timothy G. Ehresman, a member of the international review panel for this conference, sadly passed away on the 8th of March, 2018. Tim has been a member of the Earth System Governance Project almost from the beginning, first as a PhD student at Colorado State University and since then as Adjunct Professor at Belmont University, United States of America. He was especially passionate about questions of equity and global justice. We will miss his humour and kindness, and the many more contributions that he could have made to our scientific community.

Venue Maps

City Centre



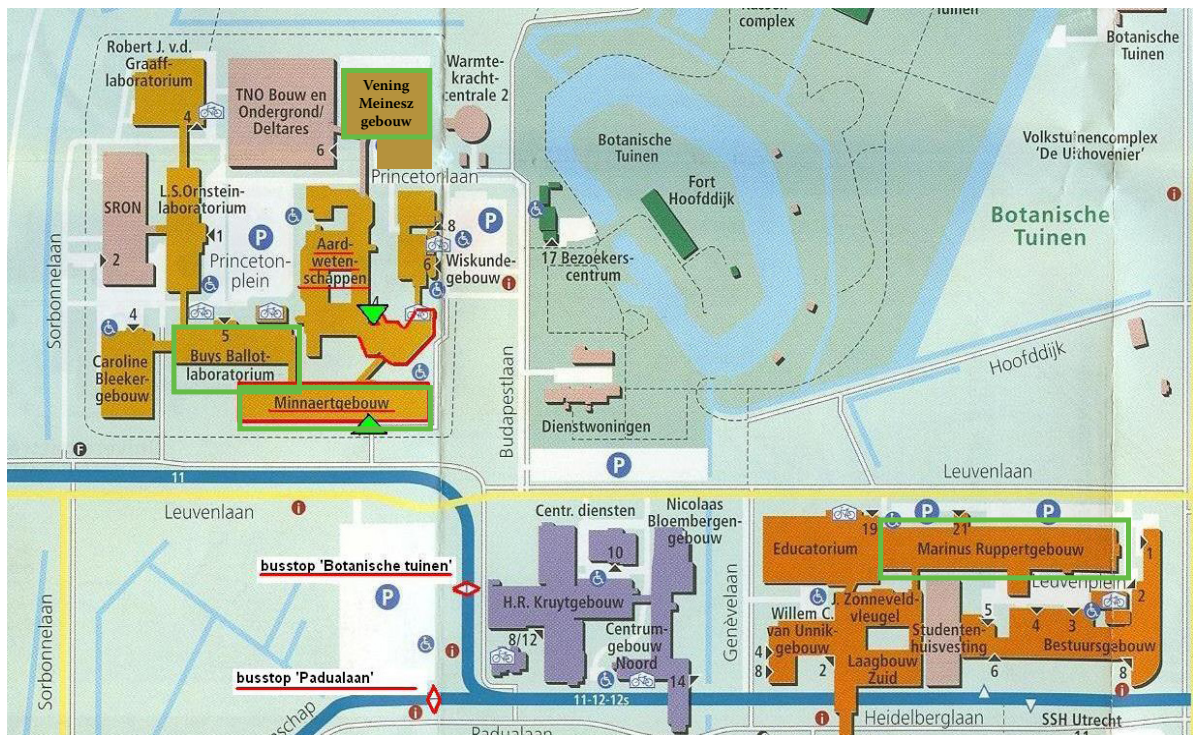
1. **Paushuize** (main conference venue)
Address: Kromme Nieuwgracht 49
2. **Domkerk**
Address: Achter de Dom 1
3. **Academiegebouw**
Address: Domplein 29
4. **Huize Molenaar**
Address: Korte Nieuwstraat 6
5. **Utrechts Centrum voor de Kunsten (UCK)**
Address: Domplein 4
6. **Janskerk**
Address: Janskerkhof 26
7. **Janskerkhof 2-3**
Address: Janskerkhof 2-3



Lunch, 12:30 - 13:30

ESG Coffee Room, coffee/tea during conference hours

De Uithof




All the relevant buildings for the conference are highlighted with a **green** rectangle. To get to Marinus Ruppertgebouw, it is advisable to get off at bus stop 'Heidelberglaan', right after 'Botanische Tuinen', walk into the 'van Unnikgebouw' building on the right (facing towards the center) and walk alongside the corridor.

Note: BBG and Minnaert building are connected, and also share a bike shed.



Contact Information

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