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Urgent Transformations and Earth System Governance: Towards Sustainability and Justice

Hosted by the National Autonomous University of Mexico (UNAM)
Conference Co-Hosts:

Universiteit Utrecht

THE UNIVERSITY OF ARIZONA

d.i.e

Deutsches Institut für Entwicklungspolitik

German Development Institute

Sponsor:

ELSEVIER

Supporters:

FUNDACIÓN Alfredo Harp Helú OAXACA

TRANSFORM

INAH 1939-2019
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About the Conference

The 2019 Mexico Conference is the eleventh event in the global series of Earth System Governance conferences that started in 2007. The conference is hosted by the National Autonomous University of Mexico (UNAM), together with the Earth System Governance Project.

In this long-standing series, the Mexico Conference holds a special status as the first conference on Earth System Governance hosted in Latin America. The Mexico Conference also demarcates the first year which the 2018-2028 Science and Implementation Plan is used to organize the thematic direction of the conference.

The 2019 Mexico Conference is hence organized around the five research lenses structuring the new Earth System Governance research agenda elaborated in the 2018-2028 Science and Implementation Plan; and a sixth stream focusing on specific issues and challenges relevant to the Latin American region. Reflecting major global and regional challenges for Earth System Governance research, the title of the Mexico Conference is ‘Urgent Transformations and Earth System Governance: Towards Sustainability and Justice’.

The six thematic streams of the 2019 Mexico Conference on Earth System Governance are:

1. Architecture and Agency
2. Democracy and Power
3. Justice and Allocation
4. Anticipation and Imagination
5. Adaptiveness and Reflexivity
6. Socio-Environmental Impacts of Economic Globalization

Illustration of the research lenses and contextual conditions of the Earth System Governance Project, as captured by the 2018-2028 Science and Implementation Plan.
About the Hosts

National Autonomous University of Mexico (UNAM)

With a 450-year history, National Autonomous University of Mexico – together with the Universidad Nacional Mayor de San Marcos in Perú and the University of Santo Domingo in the Dominican Republic – is the oldest university in the Americas. It is also the most important academic institution in Mexico. The National Autonomous University of Mexico has 300,000 students, 60% of them in undergraduate and graduate programs. 82 undergraduate, 131 postgraduate and 167 specialization programs are offered at the National Autonomous University of Mexico’s different schools and faculties. Currently more than 8,000 research projects, in practically all scientific and humanistic fields, are being carried out at the National Autonomous University of Mexico. The National Autonomous University of Mexico is strongly engaged in different teaching, research and engagement projects related to sustainability, such as the Coordination for Sustainability, the Postgraduate Program on Sustainability Sciences, the National Laboratory on Sustainability Science, the Institute on Ecosystems and Sustainability and the University’s Seminar on Society, Environment and Institutions, host of the 2019 Mexico Conference on Earth System Governance.

Earth System Governance Project

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 interdisciplinary scientific 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

German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE)

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.

University of Arizona

The University of Arizona (UA) is located in Tucson, Arizona, near the border with Mexico. Many faculty and departments work on environmental issues and earth system governance, including in the School of Geography and Development, the Institute of the Environment, the Center for Latin American Studies and the Udall Center for Public Policy. There are many research collaborations with Latin America, especially with Mexico on border and environmental issues.

Utrecht University

Founded in 1636, Utrecht University is one of the largest research universities of Europe, with over thirty thousand students and a staff of more than six thousand. We invest in creating the leaders of the future through innovative education of the highest quality, as reflected by the University’s consistently high position in international rankings. Dedicated to performing groundbreaking research aimed at resolving large global issues, our culture of cooperation is a breeding ground for innovation, new insights and social impact. Since 1 January 2019, Utrecht’s Faculty of Geosciences hosts 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. The Faculty of Geosciences studies the Earth: from the Earth’s core to its surface, including humanity’s spatial and material utilisation of the Earth – always with a focus on sustainability and innovation.
About the Sponsor

Elsevier

Elsevier is a global information analytics business that helps scientists and clinicians to find new answers, reshape human knowledge, and tackle the most urgent human crises. For 140 years, Elsevier has partnered with the research world to curate and verify scientific knowledge. Elsevier publishes over 2,500 digitized journals, including *Earth System Governance*.

*Earth System Governance* journal is a flagship publication of the Earth System Governance Project. The journal is interdisciplinary with a firm grounding in the social sciences and humanities, and covers research on all regions and sectors. The journal is fully open access and is available to publish cutting-edge research presented at the annual Earth System Governance conferences, academic workshops, synthesizing events by the Earth System Governance research taskforces, and similar activities. For more information about *Earth System Governance* journal, please visit the Conference publishing table or the Taskforce and Meeting Day.
About our Supporters

**Fundación Alfredo Harp Helú**

Alfredo Harp Helú is a Mexican philanthropist, who describes himself as “enamored” with Oaxaca. Since the early 1990s, he has supported projects in education, culture and sports, aiming to sustain action with positive long-term impact, actions which in his own words are "seeds" that will germinate to fruits for future Mexican generations. For this purpose, the Foundation Alfredo Harp Helú works in Oaxaca in favor of the most vulnerable groups and for the rescue of Oaxaca’s rich cultural heritage.

**Instituto Nacional de Antropología e Historia**

The National Institute for Anthropology and History (INAH) is an agency of the Mexican federal government, founded in 1939, whose purpose is to research, protect and promote the rich archeological, anthropological and historic legacy of Mexico. Currently the INAH is responsible for 10,000 historical monuments built from the 16th to the 19th century, as well as 29,000 archeological sites all across Mexico. The INAH also runs education centers on conservation and restoration, and also over 100 museums, among them the National Anthropology museum in Mexico City with the largest collection of Mexican pre-Hispanic objects in the country.

**TRANSFORM**

TRANSFORM is an international partnership-based research project, funded by the Canadian Social Sciences and Humanities Research Council and led by Prof. Sarah Burch at the University of Waterloo. This global group of researchers and practitioners works with small and medium enterprises to design sustainability experiments, build capacity, and support governance leading to more resilient, inclusive, low-carbon communities.
Dear conference participants,

Welcome to the 11th Conference of the Earth System Governance project. For the Universidad Nacional Autónoma de México (UNAM) and for myself, it is a great honor to host this conference and to receive colleagues from around the world, with whom we share the consciousness of the need for urgent transformations in the ways we consume, relate to nature and to each other and in the ways our Earth is governed. Just like you, coming from different lands, many at National Autonomous University of Mexico are committed to make these transformations happen and be sustained in the long run. I want to acknowledge and thank the large interest in the conference within National Autonomous University of Mexico’s community, not only from our authorities and academics but also among our students, more than 100 of whom volunteered to support this event. I am convinced that after the following days of intense joint work, we will share much more and will have built bridges of understanding and networks of collaboration.

This is the first Earth System Governance conference to take part in Latin America. Latin America is highly diverse in social and natural terms, deeply unequal and suffers strong socio-ecological deterioration. The rich biological and cultural diversity of our continent, its large natural forests and enormous water reserves – key local and global commons – are being destroyed, removed, polluted, at an unprecedented speed. Up to now, economic globalization, based on extractivism, agro-extractivism and financialization of nature, has also deepened inequalities, already strong in the region with the world’s longest colonial history, which has also become the most violent one. Today profound transformations towards sustainability are essential to grant the human rights of present and future generations of Latin Americans, including the right to nature, and the rights of nature itself.

Within Mexico – categorized as a ‘mega-diverse’ country on account of its rich biodiversity – Oaxaca, where we will gather to work together, is a land of wonder and contrast, culture, richness, history, abuse and struggle. It is the region with the highest biological and cultural diversity in the country, where almost all the ecosystems, plant and animal species existent in Mexico are present in less than 10% of its extension. Oaxaca, with a plethora of indigenous languages and legacies, the place with the first evidence of plant domestication in the Americas, but also one of the poorest states in Mexico, with the highest number of people in extreme poverty, and indigenous peasants forced by poverty to cross the North American desert and become undocumented agricultural workers in the United States of America. Oaxaca, where communities own 90% of the land and preserve their important socio-ecological patrimony as commons. Where these same communities face today hundreds of mining concessions, granted with no consent, often not even knowledge of the legal landowners.

Latin America has a long history of resilience, struggle and resistance against colonialization, elite capture and neoliberal globalization. The questioning and research based on the Earth System Governance research lenses – Architecture and Agency; Democracy and Power; Justice and Allocation; Anticipation and Imagination; and Adaptiveness and Reflexivity – can provide new insights, knowledge and problem-solving capacities to the researchers, decision makers, communities and civil society groups in Latin America, Mexico and Oaxaca. Our conference is an important first step in this direction. This conference is a large collective endeavor, a result of the collective action led and sustained by the Earth System Governance Project. I thank the Earth System Governance Project for this opportunity of sharing, learning and building together. May the spirit of those who, before us, fought for a sustainable world, the commitment to our young people, the wisdom and generosity of Oaxaca, inspire our joint work, shared hopes and efforts to fulfill our duties to the next generations, assuming the need of urgent transformations of the Earth System Governance towards a sustainable future.

Leticia Merino – Chair, 2019 Mexico Conference on Earth System Governance
Dear conference participants,

On behalf of the Scientific Steering Committee of the Earth System Governance Project, welcome to the 2019 Mexico Conference! We are delighted that the first Earth System Governance conference to be held in Latin America will take place here in the beautiful city of Oaxaca. We are especially honored to be hosted by the National Autonomous University of Mexico. It has been a great pleasure working with Conference Chair Professor Leticia Merino and colleagues in bringing this event together. The conference is happening at a tumultuous time for the planet and for global politics. Raging fires in the Amazon are emblematic of the heavy toll that human activities are incurring on earth’s life-support systems. At the same time, with anti-environmental populism on the rise in many parts of the world, new social movements have been forming to mobilise against ecological degradation.

Each year’s conference is an opportunity to consolidate and expand the Earth System Governance network, and to reflect on where we should head next as a community. Not only is it a chance for researchers to share cutting-edge, rigorous thinking on some of the major issues facing the world today; it is also a time to reconnect with colleagues and forge new friendships. After all, it is the collegiality, respect and openness of our members that is one of the great strengths of the network.

Last year’s conference in Utrecht marked two major events: the rollout of our new Science and Implementation Plan, which maps new directions for the next decade of research and engagement on Earth System Governance, and the departure of Frank Biermann as founding Chair of the Earth System Governance Project. The vibrancy of the Earth System Governance community today is a testament to Frank’s visionary leadership of this network from its inception in 2008 until 2018. Since last year’s conference, the Earth System Governance Project has seen a number of further developments, including the commencement of a new Scientific Steering Committee (with rotating co-chairs) to lead the Project, the publication of the first issue of the Earth System Governance journal, the relocation of the International Project Office from Lund to Utrecht, and a farewell to our longstanding and incredibly hard-working Executive Director of 12 years, Ruben Zondervan.

The notion of urgent transformations in the title of this year’s conference reflects one of the four contextual conditions in the Science and Implementation Plan. Not only does rapid ecological change highlight the need for urgent transformation of unsustainable and unjust practices and governance structures, this transformative change needs to occur amid other ongoing transformations, including economic globalization, technological innovations and seismic shifts in geopolitics.

The range of events across the conference showcases the vibrancy and diversity of the Earth System Governance community. We strongly encourage you to fully engage in all that the conference has to offer, and to make the most of this opportunity to encounter new ideas and spark new collaborations.

Members of the Scientific Steering Committee will be involved in a range of events throughout the conference. We welcome any ideas on the future of the Earth System Governance network, so please feel free to speak to us during the coming days.

Sarah Burch and James Patterson – 2019 Co-Chairs of the Scientific Steering Committee

Jonathan Pickering – 2019 Conference Liaison, Scientific Steering Committee
The Conference Team

Conference chair:
Leticia Merino, Universidad Nacional Autónoma de México

Conference manager:
Dessiree Xiqui, Universidad Nacional Autónoma de México

Earth System Governance International Project Office:
Gustav Thungren, Interim Executive Director, Earth System Governance Project, and Utrecht University
Lisa Bettoni, Network Coordinator & Administrative Assistant, Earth System Governance International Project Office, and Utrecht University
Indy van den Sande, Student Assistant, Earth System Governance International Project Office, and Utrecht University

Winter School coordinator:
Cristina Yumie Aoki Inoue, University of Brasília, and Scientific Steering Committee, Earth System Governance Project

Conference Liaison:
Jonathan Pickering, University of Canberra, and Scientific Steering Committee, Earth System Governance Project

Conference Finances and Accounting:
Ruben Zondervan, Director, Earth System Governance Foundation

Volunteers:

Scientific Steering Committee of the Earth System Governance Project,
Sarah Burch, University of Waterloo (2019 Co-Chair)
James Patterson, Utrecht University (2019 Co-Chair)
Lorraine Elliott, Australian National University
Aarti Gupta, Wageningen University
Cristina Yumie Aoki Inoue, University of Brasília
Atsushi Ishii, Tohoku University
Agni Kalfagianni, Utrecht University
James Meadowcroft, Carleton University
David Nguatha Mungai, University of Nairobi
Åsa Persson, Stockholm Environment Institute
Jonathan Pickering, University of Canberra
## Programme Overview

### Tuesday, 5 November 2019

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<tr>
<th>Time</th>
<th>Activity</th>
<th>Venue</th>
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<tbody>
<tr>
<td>15:00 –</td>
<td><strong>Early Registration</strong></td>
<td>Centro Cultural San Pablo</td>
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<td>18:00</td>
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### Wednesday, 6 November 2019

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<th>Activity</th>
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<tr>
<td>09:00-09:30</td>
<td><strong>Registration</strong></td>
<td>Teatro Macedonio Alcalá</td>
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<tr>
<td>09:30-11:00</td>
<td><strong>Opening Plenary</strong></td>
<td>Teatro Macedonio Alcalá</td>
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<td>Words of Welcome</td>
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<td>Keynote Presentation - Peter Dauvergne - Urgent Transformations Towards Sustainability and Justice: The Role of Big Business and New Technology</td>
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<td>Awarding of the 2019 Oran Young Prize</td>
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<tr>
<td>11:00-11:30</td>
<td><strong>Coffee/tea break</strong></td>
<td>Centro Cultural San Pablo &amp; Jardín Etnobotánico</td>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Parallel Panel Sessions 1</th>
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<tr>
<td>11:30-13:00</td>
<td><strong>Justice and Allocation 1</strong>&lt;br&gt;<strong>Claustro</strong>&lt;br&gt;Concepts of planetary justice: How do we clarify and conceptualize planetary justice? Panel ID 2</td>
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<td></td>
<td><strong>Architecture and Agency 1</strong>&lt;br&gt;<strong>Coro</strong>&lt;br&gt;Institutional Interplay Panel ID 52</td>
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<td><strong>Adaptiveness and Reflexivity 1</strong>&lt;br&gt;<strong>Patio</strong>&lt;br&gt;Environmental degradation and governance gaps: individual and community action across Mexico Panel ID 19</td>
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<td><strong>Architecture and Agency 2</strong>&lt;br&gt;<strong>Herradura</strong>&lt;br&gt;Environmental security and peacebuilding Panel ID 86</td>
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<td><strong>Justice and Allocation 2</strong>&lt;br&gt;<strong>Auditorio</strong>&lt;br&gt;Justice governance of commons and re-sources Panel ID 34</td>
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<td></td>
<td><strong>Innovative Session 1</strong>&lt;br&gt;<strong>Terraza</strong>&lt;br&gt;Towards new governance systems for the global conservation of biodiversity: Contributions and insights from the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)</td>
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<td>Time</td>
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<tr>
<td>13:00-14:30</td>
<td>Lunch</td>
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<td>14:30-16:00</td>
<td><strong>Semi-Plenary I</strong></td>
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<td></td>
<td><strong>Venue: Claustro, Centro Cultural San Pablo</strong></td>
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<td>Engaging with Earth System Governance publications: research</td>
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<td>dissemination, collaboration and network-building</td>
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<tr>
<td>16:00-16:30</td>
<td><strong>Coffee/tea break</strong></td>
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<tr>
<th>Time</th>
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| 16:30-18:00 | *Democracy and Power 2*  
|              | *Capilla*  
|              | Democratic transformations in Earth System Governance (ii)  
|              | Panel ID 8  | *Justice and Allocation 3*  
|              | *Coro*  
|              | Valuing nature: Ecosystem services and natural capital  
|              | Panel ID 66  | *Adaptiveness and Reflexivity 2*  
|              | *Patio*  
|              | Bridging scales of adaptive governance from local to global commons  
|              | Panel ID 20  | *Anticipation and Imagination 3*  
|              | *Salon ExCasino*  
|              | Earth System Governance 4.0: How does digital change affect Earth System Governance?  
|              | Panel ID 5  | *Architecture and Agency 4*  
|              | *Herradura*  
|              | Transformation and its tensions: Drivers, dynamics and struggles  
|              | Panel ID 57  | *Architecture and Agency 5*  
|              | *Biblioteca*  
|              | Politics and interests in global environmental governance  
|              | Panel ID 51  | *Architecture and Agency 6*  
|              | *Auditorio*  
|              | Breaking down silos: Governing policy integration  
|              | Panel ID 61  | *Socio-environmental impacts of economic globalization 2*  
|              | *Burgoa*  
|              | Making conservation work in a globalized world: Opportunities and challenges for public and private land use governance  
|              | Panel ID 18  | *Innovative Session 2*  
|              | *Terraza*  
|              | Teaching Earth System Governance: New approaches for learning and action  |
| 18:00 | **Calenda - Welcome reception**  
<p>|              | <strong>Venue: Plazuela del Carmen Alto</strong> |</p>
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<tr>
<th>Time</th>
<th>Semi-Plenary III</th>
<th>Semi-Plenary IV</th>
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<tr>
<td>09:30-11:00</td>
<td><strong>Political challenges to sustainability and environmental justice:</strong> perspectives from key regions</td>
<td><strong>Earth System Governance and the pursuit of the Global Common Good</strong></td>
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<td><em>Venue: Centro Cultural San Pablo</em></td>
<td><em>Venue: Salon ExCasino</em></td>
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<td>11:00-11:30</td>
<td><strong>Coffee/tea break</strong></td>
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<td><em>Venues: Centro Cultural San Pablo &amp; Jardín Etnobotánico</em></td>
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<thead>
<tr>
<th>Time</th>
<th>Parallel Panel Sessions 3</th>
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| 11:30-13:00 | **Architecture and Agency 7**
|           | Claustro | The Earth System: Law and targets | Panel ID 78 |
| 11:30-13:00 | **Democracy and Power 3**
|           | Capilla | Power in earth system governance (iii): Asymmetries of power | Panel ID 42 |
| 11:30-13:00 | **Architecture and Agency 8**
|           | Coro | Multi-level governance: Climate policy at sub-national level | Panel ID 50 |
| 11:30-13:00 | **Anticipation and Imagination 4**
|           | Salon | Anticipating the fate of governance in the Anthropocene | Panel ID 17 |
| 13:00-14:30 | **Adaptiveness and Reflexivity 3**
|           | Patio | Unpacking process of adaptiveness and reflexivity | Panel ID 70 |
| 13:00-14:30 | **Innovative Session 3**
|           | Salon ExCasino | Agency in Earth System Governance: Sharing the bounty of our harvest (i) |
| 13:00-14:30 | **Innovative Session 4**
|           | Herradura | Science-based negotiation simulations for water policy: Experiences from Veracruz, Mexico and New England, USA |
| 13:00-14:30 | **Justice and Allocation 4**
|           | Biblioteca | Diverse epistemologies for the protection of biodiversity | Panel ID 4 |
| 13:00-14:30 | **Adaptiveness and Reflexivity 4**
|           | Auditorio | Private sector governance, engagement and activism | Panel ID 48 |
| 13:00-14:30 | **Socio-environmental impacts of economic globalization 3**
|           | Terraza | Commodity systems | Panel ID 38 |
| 13:00-14:30 | **Innovative Session 11**
|           | Burgoa | Strategic public procurement as a policy tool for the sustainability transition |
|           |         | **Lunch** | Venues: San Pablo Restaurante & Vieja Lira Restaurant |

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<th>Time</th>
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<tr>
<td>14:30-16:00</td>
<td><strong>Parallel Panel Sessions 4</strong></td>
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<td><strong>Architecture and Agency 9</strong></td>
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<td></td>
<td>Claustro</td>
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<td></td>
<td>Dynamics of agency and architecture</td>
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<td><strong>Democracy and Power 4</strong></td>
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<td>Capilla</td>
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<td>Democratic transformations in Earth System Governance (i)</td>
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<td><strong>Innovative Session 6</strong></td>
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<td>Coro</td>
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<td>Exploring the role of the military in climate governance</td>
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<td><strong>Justice and Allocation 5</strong></td>
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<td>Salon</td>
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<td>Justice, allocation and risk</td>
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<td>Panel ID 32</td>
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<td><strong>Justice and Allocation 6</strong></td>
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<td>Patio</td>
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<td></td>
<td>Just transitions (ii): Energy and mining</td>
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<td>Salon ExCasino</td>
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<td>Navigating sustainable futures: Sociotechnical visions and political landscapes</td>
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<td><strong>Architecture and Agency 10</strong></td>
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<td></td>
<td>Herradura</td>
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<td>Discussing the (city) network effect (i): Issues of effectiveness in global climate governance</td>
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<td><strong>Architecture and Agency 11</strong></td>
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<td>Biblioteca</td>
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<td>International agreements, domestic effects?</td>
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<td><strong>Adaptiveness and Reflexivity 5</strong></td>
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<td>Auditorio</td>
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<td>Governance responses to social and ecological disruption</td>
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<td><strong>Socio-environmental impacts of economic globalization 4</strong></td>
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<td>Terraza</td>
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<td></td>
<td>Sustainability and trade</td>
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<td>16:00-16:30</td>
<td><strong>Innovative Session 7</strong></td>
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<td>Burgoa</td>
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<td>Building common ground: Reflections on transdisciplinarity in a Latin American context</td>
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<td><strong>Coffee/tea break</strong></td>
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Venues: Centro Cultural San Pablo & Jardín Etnobotánico

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<tr>
<th>Time</th>
<th>Parallel Panel Sessions 5</th>
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<tbody>
<tr>
<td>16:30-18:00</td>
<td><strong>Architecture and Agency 12</strong>&lt;br&gt;<strong>Claustro</strong>&lt;br&gt;Governing through global goals&lt;br&gt;Panel ID 81</td>
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<td><strong>Democracy and Power 5</strong>&lt;br&gt;<strong>Capilla</strong>&lt;br&gt;Polycentricity and coherence: Democratic possibilities and constraints&lt;br&gt;Panel ID 43</td>
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<td><strong>Socio-environmental impacts of economic globalization 5</strong>&lt;br&gt;<strong>Coro</strong>&lt;br&gt;Land use sustainability and conflict in Latin America&lt;br&gt;Panel ID 89</td>
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<td><strong>Adaptiveness and Reflexivity 6</strong>&lt;br&gt;<strong>Patio</strong>&lt;br&gt;Navigating adaptiveness in complex social-ecological systems&lt;br&gt;Panel ID 72</td>
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<td><strong>Architecture and Agency 13</strong>&lt;br&gt;<strong>Herradura</strong>&lt;br&gt;Governing flood risks&lt;br&gt;Panel ID 84</td>
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<td><strong>Architecture and Agency 14</strong>&lt;br&gt;<strong>Auditorio</strong>&lt;br&gt;New directions in international environmental law&lt;br&gt;Panel ID 53</td>
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<td><strong>Innovative Session 8</strong>&lt;br&gt;<strong>Terraza</strong>&lt;br&gt;Developing theories of change of support for sustainability transformation: a serious game</td>
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<td><strong>Architecture and Agency 15</strong>&lt;br&gt;<strong>Burgoa</strong>&lt;br&gt;Multilateral environmental agreements and international organizations&lt;br&gt;Panel ID 80</td>
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<td><strong>Socio-environmental impacts of economic globalization 6</strong>&lt;br&gt;<strong>Salon ExCasino</strong>&lt;br&gt;International and regional drivers of socio-environmental change&lt;br&gt;Panel ID 65</td>
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<tr>
<td>19:00 - 01:00</td>
<td><strong>Conference Dinner</strong>&lt;br&gt;<em>Venue: Tierra del Sol Casa Restaurante</em></td>
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<tr>
<td>09:30-11:00</td>
<td><strong>Venue: Centro Cultural San Pablo</strong> What does the Global Environment Outlook-6 mean for Earth System Governance scholars?</td>
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<tr>
<td>11:00-11:30</td>
<td><em>Coffee/tea break</em></td>
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<tr>
<td>11:30-13:00</td>
<td><strong>Architecture and Agency 16</strong>&lt;br&gt;Claustro&lt;br&gt;Private sectors, trade and business&lt;br&gt;Panel ID 49</td>
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<td><strong>Architecture and Agency 17</strong>&lt;br&gt;Herradura&lt;br&gt;Discussing the (city) network effect (ii): Advances in the study of cities in global climate governance&lt;br&gt;Panel ID 12</td>
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<td><strong>Adaptiveness and Reflexivity 7</strong>&lt;br&gt;Patio&lt;br&gt;Pathways towards sustainable landscape dynamics and food production to face climate change: Opportunities and barriers of Mexican rural societies&lt;br&gt;Panel ID 14</td>
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<th>Time</th>
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<tr>
<td>14:30-16:00</td>
<td><strong>Architecture and Agency 19</strong>&lt;br&gt;Claustro&lt;br&gt;Partnerships for Sustainable Development Goals: promise and pitfalls&lt;br&gt;Panel ID 3</td>
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<td><strong>Architecture and Agency 20</strong>&lt;br&gt;Capilla&lt;br&gt;Conservation governance&lt;br&gt;Panel ID 59</td>
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<td><strong>Adaptiveness and Reflexivity 8</strong>&lt;br&gt;Coro&lt;br&gt;Philosophical explorations of adaptiveness and reflexivity&lt;br&gt;Panel ID 75</td>
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<td><strong>Adaptiveness and Reflexivity 9</strong>&lt;br&gt;Patio&lt;br&gt;Linking global and local dynamics: Governance responses across scales&lt;br&gt;Panel ID 69</td>
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<td><strong>Architecture and Agency 21</strong>&lt;br&gt;Salon ExCasino&lt;br&gt;Policy and technological innovations&lt;br&gt;Panel ID 60</td>
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<td><strong>Justice and Allocation 9</strong>&lt;br&gt;Auditorio&lt;br&gt;Rethinking the role of Indigenous people(s) in environmental governance&lt;br&gt;Panel ID 6</td>
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<td><strong>Anticipation and Imagination 8</strong>&lt;br&gt;Terraza&lt;br&gt;Imagining multiple words: Interrogating the future&lt;br&gt;Panel ID 25</td>
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<td><strong>Anticipation and Imagination 9</strong>&lt;br&gt;Casa de la Ciudad&lt;br&gt;Anticipating urban futures: Imagining the city&lt;br&gt;Panel ID 22</td>
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<td>16:00-16:30</td>
<td><strong>Coffee/tea break</strong>&lt;br&gt;Venues: Centro Cultural San Pablo &amp; Jardín Etnobotánico</td>
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<td>16:30-18:00</td>
<td><strong>Closing Plenary</strong>&lt;br&gt;Venue: Teatro Macedonio Alcalá</td>
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Practical Information

Registration & Information Desk

Please register as soon as possible upon arrival:

Venue: Centro Cultural San Pablo

**Tuesday 5 November 2019**

14:00 – 18:00

Venue: Teatro Macedonio Alcalá

**Wednesday 6 November 2019**

09:00 – 09:30

Venue: Centro Cultural San Pablo

6 – 8 November 2019

**During Conference Hours**

All participants are kindly requested to wear their name badge visibly at all times in the conference venues. Please note that entrance to the venue Centro Cultural Santo Domingo will require provision of the name badge.

The registration desk will also function as the information desk of the Mexico Conference. If you have any questions or need assistance, please visit the desk at the Centro Cultural San Pablo.

Helping Hands

Throughout the Mexico Conference, volunteers from the National Autonomous University of Mexico will be available to assist participants in finding their way between and into the conference venues. The volunteers will wear t-shirts with the Mexico Conference logo clearly visible and will be located on the streets and intersections between the Conference venues as well as at venue entrances.

Venues

The 2019 conference will be held at the Historical Center of Oaxaca, a UNESCO World Heritage Site. The venues of the first three conference days (6-8 November 2019) are various historical buildings, all within 10 minutes’ walking distance of each other. The final day – the Taskforce and Meeting Day on 9 November – will take place at the Hotel Misión de los Ángeles, also within walking distance from the city center.

**Teatro Macedonio Alcalá**

This theater is a classic example of nineteenth-century architecture with strong French influence. It takes its name in the honor of a Mexican composer and violinist of the nineteenth century, author of the famous ode to Oaxaca, “Dios nunca muere” (God never dies) waltz. Originally a Casino Theater, since the 1990 it hosts only cultural events.

*Address: Av. de la Independencia 900, Centro, Oaxaca de Juárez, Oax. C.P. 6800*

*Rooms: Teatro Macedonio Alcalá, Salon ExCasino, Herradura*
Centro Cultural Santo Domingo

Santo Domingo de Guzmán, a former monastery in the city of Oaxaca de Juárez, is one of the largest and most important colonial buildings in Mexico and the Americas. Its construction starting in 1551, took almost a century. During the late seventeenth and eighteenth centuries, Santo Domingo hosted a university. From Santo Domingo, the Dominican monastic order played a key role in the evangelization and cultural live of Southern Mexico. Since Mexico’s independence in 1821, Santo Domingo was occupied by the army, causing large destruction. In 1987 Santo Domingo was declared an UNESCO World Heritage monument. This declaration together with the mobilization of Oaxaca’s citizens, led by the painter Francisco Toledo, one of the best known Mexican artists of the last half century, enabled the preservation of Santo Domingo and its use as a cultural center. Today Santo Domingo hosts the Museum of Cultures of Oaxaca, devoted to the achievements and contributions of Indigenous groups of Oaxaca through the history. The Biblioteca Burgoa and the Jardín Etnobotánico are located within Santo Domingo complex.

Address: Calle de Macedonio Alcalá s/n, Centro, Oaxaca de Juárez, Oax. C.P. 68000
Rooms: Terraza, Audiotorio, Burgoa (see below)

Biblioteca Burgoa

Situated within the Centro Cultural Santo Domingo, this library is the result of one of the largest restoration projects of old books and documents carried out in Latin America. Biblioteca Burgoa contains more than thirty thousand volumes, many of which arrived from Europe, surviving the many dangers of long travels, others printed in New Spain (today’s Mexico) where the printing press arrived as early as 1539. The library also survived the Spanish Inquisition and later the long occupation of Santo Domingo by the military.

Address: Calle Macedonio Alcalá, Ruta Independencia, Centro, 68000 Oaxaca de Juárez
Room: Burgoa, is located within the Centro Cultural Santo Domingo

Centro Cultural San Pablo

Founded in 1529, San Pablo was the first monastery in Oaxaca. Until 1757 it served as a parish for the Indigenous population that lived in the towns surrounding the city. During the sixteenth century, it was a center for study of Mixtec, Zapotec and Nahuatl languages. In later times it was partly destroyed by earthquakes largely, abandoned and remodeled to be used as a private lodging. It was bought and restored by the Alfredo Harp Helú Foundation, devoted to the rescue of Oaxaca cultural heritage. Centro Cultural San Pablo opened its doors in 2011 aiming to provide a space for cultural and academic activities. It hosts the largest library of publications about Oaxaca in the world.

Address: Miguel Hidalgo 907, Centro, Oaxaca de Juárez, Oax. C.P. 68000
Rooms: Claustro, Capilla, Coro, Salon, Patio
Jardín Etnobotánico

Oaxaca’s Jardín Etnobotánico was born when the military was ordered to leave Santo Domingo in 1993. The proposal to use the space behind San Domingo’s church as a botanical garden came out in favor as a result of Oaxaca’s civic society claims and the support of master Francisco Toledo, and the life work of Dr Alejandro de Ávila, founder and director of the garden.

The concept of the garden is to show the interactions of plants and people in Oaxaca, the most biologically and culturally diverse state in Mexico and one of the most diverse in the Americas, and with some of the earliest evidence of gardening in the continent. Through its vast collection of plants and its design, the garden aims to tell the ecological and cultural history of Oaxaca.

The goal of the garden is to present the abundance and peculiarities of the state’s flora and traditional crops, and to rescue the knowledge that the indigenous peoples of Oaxaca have about the flora of the region. The garden harbors hundreds of plant species, all of them from different regions of the State, both from arid and humid climates, from the low tropical zones and from the temperate and cold mountainous areas.

Address: Reforma Sur n, Ruta Independencia, Centro, Oaxaca de Juárez, Oax. C.P. 68000
Room: Biblioteca

Casa de la Ciudad

Casa de la Ciudad is a non-governmental organization, which is part of the initiatives of the Alfredo Harp Helú Oaxaca Foundation. It was founded on January 17, 2004 and aims to be a center dedicated to the study and analysis of the city. It has a special interest in urban issues such as water, waste, growth, mobility, traffic and others that encompass the city as a whole and determine the quality of life of its inhabitants. Casa de la Ciudad seeks to be a place of encounter and participation of people and ideas, to reflect and influence the development, conservation and improvement of the city.

Address: Calle Porfirio Díaz 115, Ruta Independencia, Centro, Oaxaca de Juárez, Oax. C.P. 68000
Room: Casa de la Cuidad

Hotel Misión de los Ángeles

The hotel Misión de los Ángeles, located near the center of the City of Oaxaca, is a frequent venue for conferences and celebrations. The hotel offers meeting spaces in a pleasant environment for the attendees of the Taskforce Day on 9 November 2019.

Address: Calz. Porfirio Díaz 102, Reforma, Oaxaca de Juárez, Oax. C.P. 68050
Rooms: Donají, Danizu and Tanilao
Lunch and Coffee / Tea Breaks

This year, lunch will be provided to conference participants at two separate lunch locations. The first location, San Pablo Restaurant, is adjacent to the conference venue Centro Cultural San Pablo, and offers a mixture of Oaxacan, Lebanese and international cuisine. The second, Vieja Lira Restaurant, is a classic trattoria with garden and a terrace, located next to the Jardín Etnobotánico. Given the limited capacity of restaurants in central Oaxaca, three lunch tokens will be provided to each participant upon registration, to ensure access to food for all participants. These tokens can only be used for the venue name and date indicated on the token.

San Pablo Restaurant
Address: Prolongacion de Independencia 902 Col. Centro, Oaxaca de Juarez, Oax. CP. 68000

Vieja Lira Restaurant
Address: Reforma 502, Ruta Independencia, Centro, Oaxaca de Juárez, Oax. C.P. 68000

Coffee and tea, plus small bites of finger-food will be provided during the shorter breaks of the Conference. Once more, two stations will cater the participants. The first break-station is located at the entrance to Centro Cultural San Pablo by the Registration and Information desk. The second break-station can be found within the Jardín Etnobotánico, next to the publisher’s table.

Centro Cultural San Pablo
Address: Miguel Hidalgo 907, Centro, Oaxaca de Juárez, Oax. C.P. 68000

Jardín Etnobotánico
Address: Reforma Sur n, Ruta Independencia, Centro, Oaxaca de Juárez, Oax. C.P. 68000

Calenda – Welcome Reception

Calendas are an important part of Oaxacan celebrations. Calendas are an invitation to join the parties where friends, neighbors and relatives parade on the streets of the towns of the Central Valley of Oaxaca, led by the music of one of the 5,000 traditional bands existent in the state. Music is accompanied by dances and fireworks. Usually Calendas march from the house of the organizers of the party (the mayordomos) to the churches of towns. The Calenda inaugurating the Mexico Conference will walk from the Plazuela de Carmen Alto, a small plaza one street away from the venue Santo Domingo to Zócalo, the most central park in Oaxaca.

Wednesday, 6 November 2019

Start 18:00 at Plazuela del Carmen Alto, Calle Jesus Carranza, Ruta Independencia Centro

Ends 18:45 at the Zócalo of Oaxaca, Portal del Palacio, Plaza de la constitucion Drinks, : Tlayudas el Negro, Calle Independencia 310, Centro
Conference Dinner

Venue: Tierra del Sol
Thursday 7 November 2019
19:00-01:00

Tierra del Sol is an old historical house converted into a restaurant with terrace and roof garden, located in front of the entrance to Jardín Etnobotánico. The food is inspired by the Oaxacan cuisine, with a focus on the region of the Mixteca.

Address: Reforma 411, Ruta Independencia, Centro, Oaxaca de Juárez, Oaxaca C.P. 68000

Research Fellows Party

Venue: la Mezcalerita
Friday 8 November 2019
Entrance fee: 300 Mexican pesos (14€ equivalent)
19:00-22:00

The Research Fellows Party will provide a chance for participants to unwind in an informal setting following the conference. This gathering is hosted on the terrace of La Mezcalerita - a pleasant bar specializing in craft beers, mezcal and pulque. Until 22:00, drinks and finger food - antojitos Oaxaqueños - will be provided for attending participants. Participants are free to stay at La Mezcalerita following this time as well.

The venue La Mezcalerita is located three city blocks from the conference venue Santo Domingo and can be reached by walking. In case you wish to travel there by other means, taxis are readily available throughout the city and the estimated cost is 50 Mexican pesos from the conference locations.

The cost for the Research Fellows Party is not included in the conference registration fee, which is payable in cash at the door.

Address: Calle Macedonio Alcalá 706b, Ruta Independencia, Centro, Oaxaca de Juárez, Oaxaca. C.P. 68000

Transportation

Most venues and hotels at Oaxaca Historical Center are located within walking distance of each other. Taxi services are available all around the center and it is safe to take them in the streets. Please know that most taxi drivers do not speak English and many do not provide receipts and will only accept cash payment. No Uber service is available in Oaxaca.

Safety

Oaxaca is one of the safest cities in Mexico, and the historical center is quite safe within Oaxaca. Nevertheless it is sensible not to carry large sums of money or big cameras in the streets at night. When seated in restaurants, particularly on public plazas, keep your belongings in sight.
Plenary Sessions

Opening Plenary

Venue: Teatro Macedonio Alcalá
Wednesday, 6 November 2019
09:00 – 11:00

Words of Welcome

Leticia Merino, Conference Chair, Seminar on Society, Environment and Institutions, National Autonomous University of Mexico

Coro Arizmendi, head of Coordination for Sustainability, National Autonomous University of Mexico

Alejandro de Ávila, Director and founder of the Jardín Etnobotánico of Oaxaca

James Patterson, Utrecht University (2019 Co-Chair, Scientific Steering Committee, Earth System Governance Project)

Keynote Presentation

Urgent Transformations Towards Sustainability and Justice: The Role of Big Business and New Technology

Peter Dauvergne, University of British Colombia

Award ceremony of the 2019 Oran R. Young Prize

Rakhyun Kim, Utrecht University (Panel chair)

Closing Plenary

Venue: Teatro Macedonio Alcalá
8 November 2019
16:30-18:00

Earth System Governance Publications: Future Directions and Opportunities

Aarti Gupta, Wageningen University (Scientific Steering Committee, Earth System Governance Project)

Announcement of 2020 Conference

Agni Kalfagianni, Utrecht University (Scientific Steering Committee, Earth System Governance Project)

Vote of thanks

Leticia Merino, Conference Chair, National Autonomous University of Mexico

Jonathan Pickering, University of Canberra (Scientific Steering Committee, Earth System Governance Project)
Semi-Plenary Sessions

Semi Plenary I
Engaging with Earth System Governance publications: Research dissemination, collaboration and network-building

Venue: Claustro
Wednesday 6 November 2019
14:30-16:00

This semi-plenary will be an interactive exchange of information between the ESG research community and editors and authors of the four flagship ESG publication outlets:

1. The Earth System Governance Book Series, with MIT Press
2. The Earth System Governance Harvesting Series, with Cambridge University Press
3. Cambridge Elements in Earth System Governance, with Cambridge University Press
4. The Earth System Governance journal

The three-fold aim is to (a) update the Earth System Governance community about these outlets; (b) share highlights of recently published work; and (c) brainstorm collectively about what new lines of inquiry Earth System Governance publication outlets should cover, and how to leverage these outlets to further strengthen our community and its outreach to society. The session will begin with a round-table panel discussion with the editors/associate editors of the four flagship publications, who will share latest information about these outlets, followed by short Q&A. Next there will be four-minute pitches by authors who have contributed to these publication outlets, explaining their central insights and contribution. Finally, there will be an open discussion with the audience.

Chairs:
Aarti Gupta, Wageningen University, The Netherlands
Frank Biermann, Utrecht University, The Netherlands

Speakers:
(i) Flagship publication outlets: Panel discussion and Q&A with (associate) editors
Frank Biermann (MIT Press series, Cambridge University Press Harvesting series)
Aarti Gupta (Cambridge Elements in Earth System Governance)
Kyla Tienhaara (ESG Journal)
(ii) Flagship publication outlets: Author pitches
Susan Park (The Accountability Trap in Global Governance, MIT Press series)
Michele Betsill (Agency in Earth System Governance, Harvesting series, Cambridge)
Rakhyun E. Kim (Architectures of Earth System Governance, Harvesting series, Cambridge)
Jonathan Pickering (Deliberative Global Governance, Cambridge Elements)
Walter Baber and/or Robert Bartlett (Environmental Rights in Earth System Governance, Cambridge Elements)
Louis Kotzé (Earth System Law, Earth System Governance Journal)
(iii) General discussion with the audience
Sonja Klinksy, opening remarks to launch the general discussion
Semi Plenary II

South America in climate, biodiversity, forests, rivers, ocean and Antarctica governance: What are the drivers of poor performance?

Organized by University of Brasília

Venue: Salon ExCasino

Wednesday 6 November 2019

14:30-16:00

South America is an important region for earth system governance. The region hosts the largest rainforest and river basin on the planet, the Amazon, which stores carbon, keeps the regional climate balance and is also the richest in biodiversity. South American countries challenge international cooperation theories in many aspects. They share many preferences in environmental negotiations under the UN and outside of it. They usually promote the same principles, such as sovereignty and the right to development, and they generally vote together, including inside the G77/China. However, they have rarely cooperated in environmental matters, nor have they constructed governance institutions to jointly govern their common assets. In fact, environmental governance is extremely heterogeneous within and among these countries. This Semi-Plenary panel joins scholars who will reflect on questions related to Earth systems governance: What are the drivers of poor environmental governance at regional, national and subnational levels? How important is consistent rule of law in environmental governance in South America? To what extent are definitions of national interest beyond the national borders needed in order to have effective regional governance? What is the importance of shared environmental governance in the Amazon for Earth System Governance?

Chair

Cristina Yumie Aoki Inoue, University of Brasília

Speakers

Eduardo Viola, University of Brasília

Kathryn Hochstetler, London School of Economics and Political Science

Matias Franchini, Universidad del Rosario

Ana Flávia Barros-Platiau, University of Brasília
Recent political shifts are challenging efforts to foster environmental justice and sustainability in regions around the world. In this session, experts from Europe, Africa, and the Americas will examine how these shifts – including Brexit, elections of anti-environmental leaders, and tensions across the US-Mexico border – are making it difficult to protect and govern the environment and promote just solutions. How can international governance, including the Paris Agreement, EU environmental policy, and transboundary environmental protections survive these new political realities, and what is the role of science and civil society in supporting sustainability and environmental justice?

Chair
Diana Liverman, University of Arizona

Speakers
Sander Chan, German Development Institute, Germany: Justice as a core challenge for EU climate policy
Chukwumerije Okereke, Alex Ekwueme Federal University, Nigeria: Global political realities and climate justice for Africa in a post-Paris world
Margaret Wilder, University of Arizona, USA: Moving from inequity towards sustainability: Structuring climate and environmental justice in the US-Mexico borderlands
The notion of a “global common good” seeks to guide policy-relevant research on human development, international cooperation and global sustainability in the Anthropocene. It revisits three traditional concepts of political philosophy and development research – the common good, sustainable development, and public goods – and synthesizes them into a normative and analytical framework to grasp the challenges that a complex and dynamic world society is facing in view of profound systemic changes and assumed planetary boundaries.

Subject to a universal consensus on what makes the global common good, earth system governance – as spelled out in the 2018 Science and Implementation Plan – would appear ideally suited to pursue this objective. It would thus reach beyond the internationally endorsed sustainable development paradigm and its limited empirical manifestation in the 2030 Agenda for Sustainable Development. All the same, a host of critical questions ensues: How do we know the global common good and which yardsticks apply? What legitimizes the global common good and who has the power or authority to define it? How may the overarching notion of a global common good account for an ecologically safe and a socially just space for human development? How are local and national perceptions of the common good supposed to accumulate into a global common good that leaves no one worse off? What norms, processes and institutions are required to safeguard this? Where and how would they be negotiated and put into effect? The research lenses of the Earth System Governance Science and Implementation Plan provide powerful analytical tools to tackle these and similar questions. In this semi-plenary we want to apply them to explore and to discuss the promises and pitfalls of the global common good concept. Can it serve as a lodestar for practice-oriented research? If so, what practical consequences will this imply at the research-policy nexus, for policy-making and, ultimately, earth system governance?

Speaker
Steffen Bauer, German Development Institute (DIE): “What makes the Global Common Good and is Earth System Governance instrumental to achieving it?”

Chair
Clara Brandi, German Development Institute (DIE)

Participants
Ayala Martínez Citlali, Instituto Mora, Mexico

Aarti Gupta, Wageningen University

Sonja Klinsky, Arizona State University
The Global Environment Outlook-6: Healthy Planet, Healthy People was requested by 193 member countries of the United Nations Environment Assembly. UN Environment mobilized an entire team of scholars worldwide to assess the scholarship on the environment using the Driver-Pressures-State-Impact-Response (DPSIR) approach enriched by detailed analysis of policy responses and a top-down and bottom-up approach to assessing outlooks for the future. This report was provided to states in March 2019 and published by Cambridge University Press. This session covers the key messages that emerge from this report and research questions that flow from the report. It discusses interactions between social science and natural science scholars; and the challenges faced by scholars in trying to communicate with policymakers and the press. At the same time, it examines the huge challenge faced by the secretariat in trying to bring the different parties together – the policymakers, stakeholders, the scholars and the funders; and the difficulties in getting scholars to answer the questions governments want answered. The session will discuss how social scientists can better contribute to the governance challenge faced by policymakers worldwide and how UN Environment can make better use of our services in the future.

Chair
Agni Kalfagianni, Utrecht University

Speakers
Joyeeta Gupta, Co-Chair, Global Environment Outlook, University of Amsterdam: “Healthy Planet, Healthy People - Communicating with policymakers”

Pierre Boileau, Head, Global Environment Outlook, United Nations Environment: “Healthy Planet, Healthy People – Communicating with scientists”
Semi Plenary VI

Challenges and opportunities to build sustainability in Latin America

Hosted by National Autonomous University of Mexico

Venue: Salon ExCasino

Friday 8 November 2019

9:30-11:00

With 16% of the world’s land area and 11% of the global population, Latin America hosts an extraordinary natural richness that is of vital importance for local populations in terms of livelihoods, identities and other environmental services. It is also of critical global relevance in terms of biodiversity, water cycles and climate regulation. Latin America is the region of the world with the greatest biological diversity, with five of the world’s seventeen “mega-diverse” countries: Brazil, Colombia, Ecuador, Peru and Mexico (IPBES, 2018). The region hosts 22% of the world’s temperate forests and 57% of the remaining primary forests, including the Amazon, the world’s most diverse tropical region and the largest water basin. The average access to water in Latin America is the double than that of the global average. Closely related to its long colonial heritage, Latin America is the most unequal region in the world, including profoundly inequal access to natural resources. In recent decades this trend has exacerbated with the region’s participation in global markets as provider of commodities, mainly minerals and agricultural exports. These processes have deepened historical trends of social exclusion and environmental deterioration. Due to a long history of social resistance and mobilization, today Latin America is the region with the world’s largest share of forest land under community ownership, often in the hands of indigenous communities. Over the centuries major Indigenous and local knowledge systems in the region have shown their capacity to protect and manage extended territories. Collective diversity provides many opportunities to develop world views compatible with sustainable uses of and respect for nature in a globalized world (IPBES). Latin America contributes only 11% of global CO2 emissions, but 47% of global emissions from deforestation. Expansion of highway networks linked to agri-business, in response to global markets demand are major drivers of extended forest losses. Many areas in Latin America are highly vulnerable to climate change. It is also true that today Latin America has the world’s largest number of socio-environmental conflicts. The panel will discuss the following themes:

- The global and local value of environmental and cultural commons of Latin America.
- The structural-historical challenges and the emerging pressures faced by Latin American societies aiming to preserve and sustainably use environmental commons.
- The obstacles and opportunities of the environmental governance in Latin America.
- The most urgent changes in environmental governance, needed in order to build sustainable futures.

Chair

Leticia Merino, National Autonomous University of Mexico

Speakers

Deborah Barry, Independent consultant
Anthony Bebbington, Clark University
Eduardo De Brondizio, Indiana University Bloomington
David Kaimowitz, Climate and Land Use Analysis
Parallel Panel Sessions

Parallel Panel Sessions 1

Wednesday, 6 November 2019
11:30 – 13:00

Justice and Allocation 1 - panel ID 2

Concepts of planetary justice: How do we clarify and conceptualize planetary justice?

Venue: Claustro
Chair: Stefan Pedersen

Planetary justice and the Earth system
Dominic Lenzi

Radical urban ecologies: A postcolonial, feminist perspective on just urban transformations
Linda Westman, Vanessa Castan Broto

Conceptualizing planetary justice as if institutions and political economy mattered
Prakash Kashwan

Planetary justice: A definition towards an agenda for the integration of global justice, environmentalism, and institutional cosmopolitanism
Stefan Pedersen

Democracy and Power 1 – Panel ID 40

Power in Earth System Governance (i): Decentering power

Venue: Capilla
Chair: Robert Bartlett

The right to repair: Democracy, activism and the circular economy
Kate O’Neill, Alastair Iles

Direct local democracy and development decisions: emancipatory potentials and legal status in International Law and different constitutional systems
Isabel Vilaseca Boixareu

Water governance in context of scarcity in Metropolitan São Paulo – what needs for adaptation?
Pedro Jacobi

Public policy, markets, local democracy, and the seeds of a good Anthropocene: Mexico’s community forest enterprises
David Bray

Powershifts: An empirical assessment of the growing impact of energy decentralisation on political power structures across 36 countries
Marie Claire Brisbois


**Architecture and Agency 1 – Panel ID 52**  
**Institutional interplay**

Promoting environmental protection in trade agreements: A regime shift or a tactical linkage?  
*Noémie Laurens, Jean-Frédéric Morin*

An institutional interplay perspective to multi-level governance: The case of the São Paulo Macrometropolitan region  
*Leandra Goncalves, Pedro Fidelman, Alexander Turra*

Trade effects of international environmental agreements  
*Clara Brandi, Jean-Frédéric Morin, Jakob Schwab*

The inter-organizational interplay of intergovernmental treaty secretariats in global environmental governance  
*Joshua Elsässer*

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**Anticipation and Imagination 1 – Panel ID 30**  
**The role of anticipation and imagination in transformation towards sustainability (i)**

Understanding the anticipatory governance of climate futures: Towards an analytical framework  
*Karlijn Muiderman, Aarti Gupta, Joost Vervoort, Frank Biermann*

Anticipatory climate governance in practice in South Asia: characteristics, functioning and impacts on climate policy  
*Maliha Muzammil*

Understanding anticipatory climate governance in Central America: the links between anticipation and policy  
*Marieke Veeger, Karlijn Muidermann, Alexander Tulloch Lapresa*

“Can you tell us which is the most likely scenario?": Reflections on narrative scenarios as a means to build anticipatory decision-making capacities  
*Carina Wyborn, Daniel Murphy, Laurie Yung, Daniel Williams*

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**Adaptiveness and Reflexivity 1 – Panel ID 19**  
**Environmental degradation and governance gaps: individual and community action across Mexico**

Understanding the controversial access to water in Mexico City: the case of informal settlements in Xochimilco  
*Bertha Hernandez*

Understanding socio-ecological change and transformation on achieving sustainable water access for indigenous communities in rural Mexico  
*Shiara Gonzalez Padron*

Clearing the landscape from waste by reconnecting people to place  
*Beatriz Ruizpalacios, Amy Lerner*
The use of games as a reflective exercise to study individual decisions that transform agricultural landscapes, in a context of informal urbanization

*Patricia Pérez-Belmont*
Socio-environmental impacts of economic globalization 1 – Panel ID 37

Dilemmas of environmentalism and sustainability in the Anthropocene
Venue: Salon ExCasino
Chair: Dahlia Simangan

Governing the global displacement effects of renewable energy
Susan Park, Teresa Kramarz, Craig Johnson

Green state capacity and extractive governance in Peru and Ecuador
Hyeyoon Park

Environmental politics and earth system transitions: The end of environmentalism?
Frank Biermann

Architecture and Agency 2 – Panel ID 86

Environmental security and peacebuilding
Venue: Herradura
Chair: Chukwumerije Okereke

Climate security as a legislative framework: A case study in Mexico
Luis Fernández-Carril, Andrés Obregón Mayorga

Linking science diplomacy with environmental peacebuilding
Dhanasree Jayaram

Non-state agents of environmental security: Emerging sources of legitimacy and accountability in global environmental governance
Julianne Liebenguth

Architecture and Agency 3 – Panel ID 54

Transforming biodiversity governance (ii)
Venue: Biblioteca
Chair: Abigail York

Nation-branding through peace parks in Costa Rica
Karina Barquet, Ida Andersson

Biodiversity policy integration for nature conservation in agricultural landscapes
Yves Zinngrebe Fiona Kinniburg Hens Runhaar

Can ‘Nature’s Contribution to People’ facilitate effective orchestration of international law for integrated biodiversity governance in the Anthropocene?
Michelle Lim

Biodiversity governance beyond 2020: The landscape of transnational initiatives
Philipp Pattberg Oscar Widerberg, Katarzyna Negacz, Marcel Kok
**Justice and Allocation 2 – Panel ID 34**

**Just governance of commons and resources**

Venue: Auditorio

Chair: Kimberly Marion Suiseeya

Reimagining governance: Forms of self-governance from the grassroots  
*Shrishtee Bajpai, Ashish Kothari*

Integrating governance of protected areas into regional sustainable development: The case of the National Reserve of Coyhaique, Chile  
*Theresa Tribaldos, Stephan Rist*

The governance of access: persistent drinking water and sanitation insecurities  
*Margot Hurlbert, Naho Mirumachi, Pedi Obani, Shakeel Hayat, Philile Mbatha*

Establishing transparency on changes in ecosystem services availability for citizens resulting from land use transformations  
*Martin Pusch, Simone Podschun*

Hunting for justice: Self-determination in resource management in the Amazon  
*Michael Esbach*

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**Anticipation and Imagination 2 – Panel ID 1**

**Imagining the Anthropocene: How political imaginaries and social fantasies affect future earth-building**

Venue: Burgoa

Chairs: Aysem Mert, Jelle Behagel

Autonomous conceptions of our planetary situation  
*Jeremy Bendik-Keymer*

A fantasy of omnipotence? The Anthropocene debate and its influence on contemporary naturecultures  
*Ayşem Mert, Jelle Behagel*

The politics of planetary times  
*Frederic Hanusch*

Assessment as fantasy: IPBES and the production of global biodiversity knowledge  
*Esther Turnhout*

The future as a governance object in the international climate change regime  
*Manjana Milkoreit*

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**Innovative Session 1**

**Towards new governance systems for the global conservation of biodiversity: Contributions and insights from the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)**

Venue: Terraza

Organizers: Patricia Balvanera, Eduardo Brondizio

Participants: Leticia Merino, Rinku Roychowdhury, Ingrid Visseren-Hamakers, Mine Islar, Machteld Schoolenberg
Parallel Panel Sessions 2

Wednesday, 6 November 2019

16:30 – 18:00

Democracy and Power 2 – Panel ID 8
Democratic transformations in Earth System Governance (ii)

Venue: Capilla
Chair: Jonathan Pickering
Discussant: Karin Bäckstrand

Intersectionality and climate policies of government agencies: Is a socially inclusive and sustainable climate policy possible?
_Nanna Rask, Gunnhildur Magnusdottir, Benedict Singleton, Annica Kronsell_

Rights, regimes, and restatements by consensus: transformation of democratic Earth System Governance
_Walter Baber, Robert Bartlett_

The fringes, legal title and “standing” in the Anthropocene
_Margot Hurlbert_

The potential of pluralizing participation for the earth system: Guatemala’s Consultations of Good Faith
_Frederic Hanusch, Azucena Morán_

Justice and Allocation 3 – Panel ID 66
Valuing nature: ecosystem services and natural capital

Venue: Coro
Chair: Dominic Lenzi

Ecosystem natural capital accounting: Proof-of-concept development at watershed scale
_Jazmín Argüello Velázquez, Jean-Louis Weber, Ioan Negrutiu_

The evolution of markets for water pollution allowances in China: A case study of Jiaxing city
_Hao Wang, Sander Meijerink, Erwin van der Krabben, Huaguo Yang_

Soil governance as an element to move towards the sustainability of socio-ecological systems
_Francisco Almonacid Buenrostro_

Diverse values at stake: Discrepancies between top-down and bottom-up “environmentalities” in a highly biodiverse region of Mexico
_Ana Monroy, Peter Gerritsen, Eduardo García Frapolli, Gerard Verschoor_

Process-driven problem solving with root cause analysis: Adapting powerful business tools to fit the sustainability problem
_Jack Harich, Montserrat Koloffon Rosas_
Adaptiveness and Reflexivity 2 – Panel ID 20  
Bridging scales of adaptive governance from local to global commons

Venue: Patio  
Chair: Andrea Gerlak  
Discussant: Ute Brady

Scaling Conservation: developing principles for the biodiversity commons  
*Abigail York*

Perceptions of population growth and climate change as threats in cross-scale adaptive water governance systems in Sub-Saharan Africa  
*Tom Evans, Corrie Hannah, Jampel Dell’Angelo, Sara Lopus*

Individual cognitive abilities and group ability to adaptively manage common pool resources  
*Jacopo Baggio, Jacob Freeman, Thomas Coyle*

Competing demands for water resources and adaptive water governance in community water projects  
*Jampel Dell’Angelo, Tom Evans*

The potential for cross-border polycentric environmental governance in Hispaniola  
*Michael Cox*

Anticipation and Imagination 3 – Panel ID 5  
Earth System Governance 4.0: How does digital change affect Earth System Governance?

Venue: Salon ExCasino  
Chair: Karsten Schulz  
Discussant: Ruben Zondervan

Reducing disaster risk through forecast-based financing: The future of “smart contracts”  
*Karsten Schulz*

The future of digital identity governance  
*Oskar Gstrein*

From rights of nature to rights for robots  
*Joshua Gellers*
**Architecture and Agency 4 – Panel ID 57**

**Transformation and its tensions: Drivers, dynamics and struggles**

**Venue:** Herradura  
**Chair:** Marie Claire Brisbois

Warm to the idea: Do extreme weather events compel countries to implement more ambitious climate mitigation policies?
*Lauri Peterson*

Navigating complexity in Canadian climate politics: Evidence from elite interviews
*Christopher Orr*

Sustainable Public Procurement: An underutilized policy instrument to transform governance in food systems
*Vivian Valencia, Hannah Wittman, Jennifer Blesh*

(Re)conceptualizing institutional dynamics for urgent transformations in Earth System Governance
*James Patterson*

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**Architecture and Agency 5 – Panel ID 51**

**Politics and interests in global environmental governance**

**Venue:** Biblioteca  
**Chair:** Peter Dauvergne

China’s engagement in transnational extractives governance and global environmental norm development
*Hyeyoon Park*

Nationalism and Earth Systems: A challenge from the Anthropocene
*Afshin Akhtar-Khavari, Amanda Kennedy*

Assessing the chances of global climate governance: the role of Climate Powers in a conflictive world
*Matias Franchini, Eduardo Viola*
**Architecture and Agency 6 – Panel ID 61**

**Breaking down silos: Governing policy integration**

Venue: Auditorio  
Chair: Steffen Bauer

Institutional mechanisms for governing the water-energy-food nexus: mediating competing interests and fostering policy coherence in rural Mexico  
*Anita Breuer, Hannah Janetschek*

Integrating renewable energy promotion with other SDGs to scale up collective actions: A case study from an island village in India  
*Maria Noelyn Dano*

Policy integration for REDD+: insights from Mexico  
*Jovanka Špirić, María Isabel Ramírez Ramírez*

Breaking out of agriculture and energy policy silos to deliver upon common climate objectives for agri-food system sustainability in the United Kingdom  
*Emilia Noel Ptak, Morten Graversgaard, Tommy Dalgaard*

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**Socio-environmental impacts of economic globalization 2 – Panel ID 18**

**Making conservation work in a globalized world: Opportunities and challenges for public and private land use governance**

Venue: Burgoa  
Chair: Benjamin Cashore  
Discussant: Daniel Charles Miller

Learning to live together: Competition and complementarity in public and private land use governance  
*Hamish van der Ven, David Barnes*

Missing the forest for the trees: The hidden costs of eco-certification for land use change  
*Yixian Sun, Janina Grabs, Benjamin Cashore, Hamish van der Ven*

Explaining divergent community forestry trajectories in Costa Rica, Mexico, and Peru: A historical institutionalist account  
*Benjamin Cashore, Chelsea Judy, Michaela Foster*

Is private environmental governance an oxymoron? The effectiveness of market-based sustainability standards in improving ecosystem conservation  
*Janina Grabs*

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**Innovative Session 2**

**Teaching Earth System Governance: New approaches for learning and action**

Venue: Terraza  
Organizer: Cristina Inoue

*Participants: Michele Betsill, Kate O’Neill, Susan Park, Paul Wapner*
Architecture and Agency 7 – Panel ID 78
The Earth System: Law and targets

Venue: Claustro
Chair: Rakhyun Kim

The juridical dimensions of Earth System Governance: Initiating a debate on Earth System Law
Louis Kotzé, Rakhyun Kim

The earth system as a new legal intangible object
Paulo Magalhães

The ethical place of the non-human world in earth system law: Pathways of transformation
Rosalind Warner

A rationale and examples for Earth system targets
Roger Cremades

The boundaries of the planetary boundaries approach: A critical analysis
Frank Biermann, Rakhyun Kim

Democracy and Power 3 – Panel ID 42
Power in earth system governance (iii): Asymmetries of power

Venue: Capilla
Chair: Prakash Kashwan

Power asymmetry in the global governance of the ocean
Ana Flávia Barros-Platiau, Carlos Henrique Tomé Silva, Niels Søndergaard

Constructing low-carbon affordable cities? Power and inequality in the making of the modern timber city
Bregje van Veelen, Sarah Knuth

Fossil Fuel Bailouts: Explaining state finance for “unbankable” infrastructure projects
Kyla Tienhaara, Jeremy Walker

Compliant or complicit? Local institutions, RSPO standards and uneven power relations in Ecuador’s palm oil industry
Adrienne Johnson
**Architecture and Agency 8 – Panel ID 50**

**Multi-level governance: Climate policy at sub-national level**

Venue: Coro

Chair: Benjamin Cashore

Drawing descriptive inferences from regions and states climate actions data: Contributions for understanding climate multilevel governance architecture

*Thais Ribeiro*

Climate policy integration in rapidly urbanizing middle-income countries: Insights from Kenya

*Steffen Bauer, Eva Dick*

Energy Transition in Yucatán: Impacts, responses, and possibilities

*Ivet Reyes Maturano*

Institutional development and reconfiguration in governance systems under pressure: Urban climate adaptation in Santiago, Chile

*James Patterson*

**Anticipation and Imagination 4 – Panel ID 17**

**Anticipating the fate of governance in the Anthropocene**

Venue: Salon

Chair & introductory presentation: Heike Schroeder

Conservation and sustainable development in the Anthropocene: Review of UNESCO’s Man and the Biosphere Programme

*Desirée Fiske*

The fate of wilderness in the Anthropocene

*Paul Wapner*

Understanding transformative changes and emerging properties of institutional systems for future climate knowledge integration

*Lucas Somavilla Croxatto*

Anticipatory governance of regime shifts in social-ecological systems: Building resilience to climate change in Transboundary Lake Champlain

*Asim Zia, Andrew Schroth, Jory Hecht, Patrick Clemins*

**Innovative Session 11**

**Sustainable public procurement as a policy tool for the sustainability transition of food systems**

Venue: Burgoa

Organizers: Vivian Valencia, Andreas Stamm
Unpacking process of adaptiveness and reflexivity

Venue: Patio
Chair: Theresa Tribaldos

The influence of levels of conflict and trust on processes of participatory monitoring and evaluation

*Sander Meijerink, Gerald Jan Ellen, Bas Breman*

Governance, Social Learning and Reflexivity

*Pedro Jacobi*

Examining the social and behavioral determinants of US public support for climate change mitigation policy: A meta-analysis

*Maaz Gardezi*

Innovative Session 3

Agency in Earth System Governance: Sharing the bounty of our harvest (1)

Venue: Salon ExCasino
Organizer: Andrea Gerlak

Introduction: Agency in Earth System Governance

*Michele Betsill, Tabitha Benney, Andrea Gerlak, Calum Brown, Sander Chan, Ron Mitchell, Ina Moller, James Patterson, Michelle Scobie, Sandra van der Hel, Oscar Widerberg*

Theories and methods of agency research in Earth System Governance

*Tabitha Benney, Amandine Orsini, Devon Cantwell, Laura Iozzelli*

Power(ful) and power(less): A review of power in the Earth System Governance-agency scholarship

*Andrea Gerlak, Thomas Eimer, Marie Claire Brisbois, Megan Mills-Novoa, Luuk Schmitz, Jorrit Luimers, Paivi Abernethy*

Issues and geography in Earth System Governance-agency scholarship

*Andrea Gerlak, Megan Mills-Novoa, Alison Elder, Okechukwu Enechi, Pritee Sharma, Kanak Singh*

Agency and knowledge in environmental governance: A thematic review

*Manjana Milkoreit, Jennifer Bansard, Sandra Van der Hel*

Innovative Session 4

Science-based negotiation simulations for water policy: Experiences from Veracruz, Mexico and New England, USA

Venue: Herradura
Organizer: Catherine M. Ashcraft

Participants: Theresa Selfa, Heidi Asbjornsen, Alex S. Mayer, Kelly W. Jone
**Justice and Allocation 4 – Panel ID 4**

**Diverse epistemologies for the protection of biodiversity**

Venue: Biblioteca

Chairs: Louise Guibrunet, Fernanda Rios

Discussant: Patricia Balvanera, Elena Lazos Chavero

Conservation in the Anthropocene/Capitalocene: Pluriversality to support socioecological futures

*Introductory presentation by Elena Lazos Chavero*

Knowing biodiversity: diverse knowledge systems, pluralism, and the problem of ontology

*Esther Turnhout*

Community forest management without local knowledge? Epistemological exclusion in Mexican forest policy

José Sierra-Huelsz, Patricia Gerez-Fernández, Citlalli López-Binnquist, Claudia Álvarez Aquino, Edward Ellis, Ana Fontecilla Carbonell, Rosa Pedraza Pérez, Guillermo Rodríguez Rivas

Performing fundamental values as an emancipatory mechanism to fostering inclusive participation in environmental governance

Silvia Olvera-Hernandez, Julia Martin-Ortega, Paula Novo, Aywlyn Walsh, Azahara Mesa-Jurad, George Holmes, Alice Borchi

**Adaptiveness and Reflexivity 4 – Panel ID 48**

**Private sector governance, engagement and activism**

Venue: Auditorio

Chair: Kate O’Neill

Exploring the prospect for a sectoral decarbonization club in the steel industry

*Lukas Hermwille*

Hybrid environmental governance: Coupling private sector engagement and institutional order for sustainable coastal zone management in Quintana Roo, Mexico

Susan Baker, Bábara Ayala-Orozco, Eduardo García-Frapolli

Keystone actors in the global clothing industry

Jacob Hileman, Ivan Kallstenius, Celinda Palm, Tiina Häyhä, Sarah Cornell

From reactionaries to activists? Corporate lobbying for high ambition SDGs: understanding how and why private sector actors in Earth System Governance evolve over time

Matt Gitsham, Ajit Nayak, Jonathan Gosling
Sustainability leaders in the Global South: explaining the rise of "green" tea companies in China and Sri Lanka

*Michael J Bloomfield, Yixian Sun*

Signaling sustainability: The Interplay of public and private regulation of tropical commodity production

*Janina Grabs*

Expanding commodity complexes and socio-environmental impacts in the Amazon: the Tapajós case

*Niels Søndergaard, Cristina Inoue, Jonathan Gamu*
Parallel Panel Sessions 4

Thursday, 7 November 2019

14:30 – 16:00

Architecture and Agency 9 - Panel ID 79
Dynamics of agency and architecture

Venue: Claustro
Chair: Nengye Liu

The performance of agency in Earth System Governance
Michele Betsill, Manjana Milkoreit

Politics, metaphors, and the fractal carbon trap
Steven Bernstein, Matthew Hoffmann

Architectures of global governance: A state-of-the-art assessment
Frank Biermann, Rakhyun Kim

Democracy and Power 4 – Panel ID 7
Democratic transformations in Earth System Governance (i)

Venue: Capilla
Chair: Kyla Tienhaara

Improving collective problem-solving through deliberative democracy
Tara Grillos

Democratic transformations in earth system governance
Jonathan Pickering, Thomas Hickmann, Karin Bäckstrand, Agni Kalfagianni, Michael Bloomfield, Ayşem Mert, Alex Y. Lo

Leapfrogging democratization: Meeting sustainability goals through fundamental democratization leaps
Frederic Hanusch, Azucena Morán

Climate justice activism and the quest for radical democracy: Left-wing populism and the demise of collaborative climate governance?
Karin Bäckstrand, Eva Lövbrand

Innovative Session 6
Exploring the role of the military in climate governance

Venue: Coro
Organizers: Dhanasree Jayaram and Marie Claire Brisbois

Participants: Simon Dalby*, Sanjay Chaturvedi*, Lucile Maertens*, Chad Briggs*, Adrien Estève*
* To present remotely via pre-recorded videos
Justice and Allocation 5 - Panel ID 32
Justice, allocation and risk

Venue: Salon
Chair: Paul Wapner

The undebated issue of justice: silent discourses in Dutch flood risk management
Maria Kaufmann, Sally Priest, Pieter Leroy

Climate risk and the cost of capital: A perversion of the polluter pays principle?
Steffen Bauer, Clara Brandi, Ulrich Volz

Impacts of market-based instruments for environmental governance on Indigenous Peoples
Pamela McElwee

Justice and Allocation 6 - Panel ID 28
Just Transitions (ii) : energy and mining

Venue: Patio
Chair: Dimitris Stevis

Debating a just energy transition in Brazil and South Africa
Kathryn Hochstetler

The rise of renewables and energy transition in Mexico
Ariana Escalante

Artisanal & small-scale gold mining, sustainability transformations and social justice
Eleanor Fisher

Anticipation and Imagination 5 - Panel ID 21
Navigating sustainable futures: Sociotechnical visions and political landscapes

Venue: Salon ExCasino
Chair: Jose di Bella

Where are we going towards 2050? An exploration of the anticipatory processes behind low-carbon roadmaps for high-carbon industries
Bregje van Veelen, Mariesse van Sluisveld

Governance of novel technologies in Earth System Governance
Sikina Jinnah, Josh Horton, Jesse Reynolds, Stefan Schaefer, Honegger, Matthias Honegger, Karsten Schulz, Marian Feist, Valentina Nakic, Florian Rabitz, Oskar Oskar Gstrein, Ina Moller, Marielle Papin-Manjarrez

Scientific uncertainty and tuna RFMO decision-making
Mark Axelrod, D.G. Webster, Leandra Gonçalves, Ronald Mitchell, Kate Miller

Imagining the global ecological crisis: Visual politics in the age of Anthropocene
Marcelo Saguier

Imagination for transformation: An interdisciplinary analysis of the cognitive-social skills for navigating future-making in the Anthropocene
Manjana Milkoreit, Michele-Lee Moore
**Architecture and Agency 10 - Panel ID 11**

**Discussing the (city) network effect (i): Issues of effectiveness in global climate governance**

Venue: Herradura  
Chair: Marielle Papin-Manjarrez  
Discussant: José Manuel Leal

From fragmented global climate politics to the assemblage of local climate policy: The role of transnational municipal networks actors’ constellations in effectiveness  
*Marielle Papin-Manjarrez, José Manuel Leal*

The importance of networks in urban climate policy  
*Milja Heikkinen*

Global city networks and internal motivations: Four case studies  
*Devon Cantwell*

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**Architecture and Agency 11 - Panel ID 77**

**International agreements, domestic effects?**

Venue: Biblioteca  
Chair: Michelle Lim

Green international relations: Taking sustainability seriously  
*Peter Jacques*

The implementation of international agreements: When do treaties matter for domestic environmental legislation?  
*Clara Brandi, Jean-Frédéric Morin, Dominique Blümer*

Are international environmental regimes effective? The case of the Hyogo Framework for Action and its implementation  
*Maxmilian Wanner*

Mitigating energy poverty on the islands of the Indonesian archipelago: Climate finance for low-carbon solutions  
*Abidah Setyowati*
Adaptiveness and Reflexivity 5 - Panel ID 73
Governance responses to social and ecological disruption

Venue: Auditorio
Chair: Luis Fernandez-Carril

Maladaptive food governance: Using human ecology to identify food discourses in Leyte, The Philippines
Federico Davila

Emergent governance networks and environmental disturbance events: Assessing the evidence of adaptive response
Jesse Abrams, Heidi Huber-Stearns, Emily Jane Davis

The emergence of a new environmental governance regime in the periurban forest areas of Mexico City and a new trajectory towards sustainability
Arcelia Moreno Unda, Maria Perevochtchikova

Socio-environmental impacts of economic globalization 4 - Panel ID 39
Sustainability and trade

Venue: Terraza
Chair: Peter Dauvergne

The many aspects of sustainability: Unpacking consumers’ support for tea standards in China and the UK
Sarah Iweala, Yixian Sun

Exploring new public environmental policy approaches for governing the Brazil-Europe soy telecoupling
Almut Schilling Vacaflor, Andrea Lenschow

Regulation for whom? North-South tensions and their implications for the institutionalization of transnational private regulation in the global coffee and tea value chains
Janina Grabs, Yixian Sun

National interest of whom? Reviewing the role of the state in responding to transnational climate risk for trade flows
Åsa Persson, Magnus Benzie

Innovative Session 7
Building common ground: opportunities and challenges of transdisciplinarity in a Latin American context

Venue: Burgoa
Organizer: Juliana Merçon

Participants: Sophie Ávila Foucat, Louise Guibrunet
Parallel Panel Sessions 5
Thursday, 7 November 2019
16:30 – 18:00

Architecture and Agency 12 - Panel ID 81
Governing through global goals

Venue: Claustro
Chair: Fariborz Zelli

Local governance transitions and the governing of the Sustainable Development Goals in Indonesia and Japan
Mahesti Okitasari, Kanako Morita, Hiromi Masuda

Can Sustainable Development Goals make foreign policy more inclusive: Water (SDG 6) as a case in point
Dhanasree Jayaram

The effects of the Millennium Development Goals: A meta-analysis
Frank Biermann, Matteo Spinazzola, Maya Bogers, Agni Kalfagianni, Rakhyun Kim, Francesco Montesano, Melanie van Driel, Marjanneke Vijge, Abbie Yunita

The global governance challenge examined: Analysis of why the MDGs achieved only modest success and how a similar outcome can be avoided on the SDGs
Montserrat Koloffon Rosas, Jack Harich

Democracy and Power 5 - Panel ID 43
Polycentricity and coherence: democratic possibilities and constraints

Venue: Capilla
Chair: Frederic Hanusch

Policy Coherence for Sustainable Development as a governance tool: Recent operationalisation, implementation and impacts on (de)politicization
Ondřej Horký-Hlucháň

Water governance in Mexican drylands: a case study of Guadalupe Valley, Baja California, Mexico
Lina Carreño-Correa, Claudia Leyva Aguilera, Ileana Espejel

Polycentric governance in an unequal world: Revisiting the classics to draw lessons for Earth Systems Governance
Prakash Kashwan

Decentralization and Adaptive Governance at the US-Mexico Border
Kyle Haines
**Socio-environmental impacts of economic globalization 5 - Panel ID 89**

**Land use sustainability and conflict in Latin America**

Venue: Herradura  
Chair: Amy Lerner

- False forest sustainability in the age of globalization: The carbon cost of abandoning self-sufficiency  
  *Matthew Jurjonas, Leticia Merino*

- Socio-ecological impacts generated by the magic towns (pueblos mágicos) program in Mexico: Illustrations of two divergent cases  
  *Laura Quiroz-Rosas, Rafael Calderón-Contreras*

- From deforestation to Trees on Farms (TonFs): Identifying incentives and actor coalitions for sustainable land-use in the Peruvian Amazon  
  *Yves Zinngrebe, Elena Borasino, Valentina Rubiglio, Lourdes Quiñonez Ruíz, Anja Gassner, Phil Dobie, Parmutia Makui, Etti Winter, Jennifer Hauck*

- Integrated land use planning for community-based forest management: Case study of the Mixteca region in Oaxaca, Mexico  
  *José Hernández, Elvira Durán, José Velázquez*

- Challenges for REDD+ implementation in post-conflict areas of Colombia  
  *Jean Carlo Rodriguez*

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**Adaptiveness and Reflexivity 6 - Panel ID 72**

**Navigating adaptiveness in complex social-ecological systems**

Venue: Patio  
Chair: Heike Schroeder

- Transformation of socio-ecological systems in the Artic: Marine ecosystem change and management in coastal communities  
  *Laura Malinauskaite, David Cook*

- Governance influencing on trajectories of social-ecological systems  
  *Alejandra Ramírez-León, Sophie Avila-Foucat, J. Federico Morales-Barragán, Yvon Angulo-Reyes*

- Coastal climate change adaptation policies in Brazil: is EBM being taking into account?  
  *Luciana Xavier, Marina Corrêa, Leandra Gonçalves, Maila Guilhon*

- Socio-environmental observatories of water in Mexico: Challenges for transiting to participatory and adaptive governance  
  *Claudia Monzón Alvarado, Fernando Gumeta Gómez*
Socio-environmental impacts of economic globalization 6 - Panel ID 65
International and regional drivers of socio-environmental change

Venue: Salon ExCasino
Chair: Kathryn Hochstetler

NAFTA in retrospective: Predictions and retrospections about the environmental impact of the North American Free Trade Agreement (TLC) along the US-Mexican border
*Diana Liverman, Fiona Gladstone, Roberto Sanchez Rodriguez, Eduardo Morales Santos*

Reform and resilience in the Anthropocene: Neoliberal policies and land system change in Mexico and Latin America
*Rinku Roy Chowdhury, Carlos Dobler-Morales*

Foreign Direct Investments vs. Payment for Ecosystem Service Mechanisms: Why transformations in earth system governance are needed to conserve tropical forests?
*Asim Zia*

Architecture and Agency 13 - Panel ID 84
Governing flood risks

Venue: Herradura
Chair: Maria del Mar Delgado Serrano

Understanding inter-municipal conflict and cooperation on urban flood risk policies in the Metropolitan City of Milan
*Corinne Vitale, Sander Meijerink*

The architecture of collaborative governance regimes in Dutch flood risk management
*Emma Avoyan, Sander Meijerink*

How do we motivate action for flood risk mitigation when there is no flood? Challenges of community capacity building towards local adaptation to climate change.
*Elisa Kochskämper*

A computational model to assess socio-hydrological risk in Mexico City Metropolitan Area
*Yosune Miquejauregui, Luis Bojórquez-Tapia, Fidel Serrano-Candela, Ileana Grave, Alejandra Estrada Barón*
Architecture and Agency 14 - Panel ID 53
New directions in international environmental law

Venue: Auditorio
Chair: Rakhyun Kim

Rising China and Antarctic futures in the Anthropocene
*Nengye Liu*

How do we achieve equitable sustainability in the Anthropocene? An agenda for legal research
*Michelle Lim*

Proxy representation of future generations and ecosystems: Transforming global governance through an integrated discourse
*Peter Lawrence*

Linking gaps in international environmental law, planetary boundaries and Earth System Governance
*Edgar Fernandez Fernandez*

Innovative Session 8
Developing theories of change for supporting sustainability transformations: A serious game

Venue: Terraza
Organizer: Theresa Tribaldos

Architecture and Agency 15 - Panel ID 80
Multilateral environmental agreements and international organisations

Venue: Burgoa
Chair: Yixian Sun

Fit for transformation? An assessment of the UN climate change regime’s efforts to integrate transnational actors
*Laura Mai*

Withdrawing from common goods: Exiting multilateral environmental agreements
*Claire Peacock, Jean-Frédéric Morin, Véronique Fournier*

Institutional fragmentation, policy complexity, and the strategies of international organization to address climate risks
*Maria-Therese Gustafsson, Lisa Dellmuth, Ece Kural, Almut Schilling-Vacaflor*

Why do international organisations engage with climate change adaptation? The role of money, member states and external events
*Ece Kural*
Parallel Panel Sessions 6

Friday, 8 November 2019

11:30 – 13:00

Architecture and Agency 16 - Panel ID 49

Private sectors, trade and business

Venue: Claustro
Chair: Kate Negacz

Influence of private governance schemes for green bond standard on national policy making
Toyo Kawabata

The rise of sustainable investment as a private regime in global environmental governance
Noriko Kusumi

Pathways to transformative sustainability: governing small business interventions
Sarah Burch, Linda Westman, Chris Luederitz, Aravind Kundurpi

Anticipation and Imagination 7 - Panel ID 23

Conflict, peace, and imagination

Venue: Salon
Chair: Dahlia Simangan

The nature of peace: The dynamics between post-conflict peacebuilding and environmental justice
Fariborz Zelli, Alejandro Fuentes, Torsten Krause, Maria Nardi, Micael Runnström, Britta Sjöstedt, Sandra Valencia, Josepha Wessels

Community structures, conflict dynamics and narratives of resistance: Synthesizing current scholarship on mining and water conflicts
Mirja Schoderer, Marlen Ott

Can imagining other futures change the present? Reflections from an experience of a multiactoral network in defense of the cloud forest in Xalapa, Veracruz, Mexico
Loni Hensler, Juliana Merçon

Social-ecological grabs: A case of ecosystem services privatization in Mexico
Rafael Calderón-Contreras
Adaptiveness and Reflexivity 7 - Panel ID 14
Pathways towards sustainable landscape dynamics and food production face to climate change: Opportunities and barriers of Mexican Rural Societies

Venue: Patio
Chair: Elena Lazos Chavero

Reflexivity in food security: How do peasant and indigenous families cope with vulnerability and uncertainty of their agri-food systems?
Elena Lazos Chavero

Global-to-local socioenvironmental processes and landscape dynamics in the Mexican dry tropics
Barbara Puente-Uribé, Fernanda Figueroa, Leonardo Calzada

Climate change and regional actors in western Mexico: Lessons learned and challenges ahead for participatory governance schemes
Peter Gerritsen, Elena Lazos Chavero

Innovative Session 9
Agency in Earth System Governance: Sharing the bounty of our harvest (ii)

Venue: Salon ExCasino
Organizer: Michele Betsill

Agency and norms: Who defines what ought to be?
James Mike Angstadt, Ina Möller

Earth System Governance and the evaluation of agents and agency: growing complexity, contingency and context dependency, and the road ahead
Sander Chan, Ronald Mitchell

Agency in a multi-scalar world
Michelle Scobie, Michele Betsill, Hyeyoon Park

Policy implications of Earth System Governance-agency research and reflections on the road ahead
Andrea Gerlak, Michele Betsill, James Patterson, Sander Chan, Tabitha Benney, Marie-Claire Brisbois, Thomas Eimer, Michelle Scobie
**Architecture and Agency 18 - Panel ID 15**  
**Transforming biodiversity governance (i)**

Venue: Biblioteca  
Chair: Ester Turnhout

Justice and equity in transformative biodiversity governance  
*Jonathan Pickering, Brendan Coolsaet, Neil Dawson, Kimberly Marion Suiseeya, Cristina Yumi Aoki Inoue, Michelle Lim*

Biodiversity revisited: Developing a new approach to sustaining life on earth.  
*Carina Wyborn, Jasper Montana, Lindsey Elliot, Melanie Ryan, Jonathon Hutton*

Mainstreaming, discourses and social capital: reflecting existing knowledge on biodiversity conservation with national planning processes  
*Yves Zinngrebe*

**Architecture and Agency 17 - Panel ID 12**  
**Discussing the (city) network effect (ii): Advances in the study of cities in global climate governance**

Venue: Herradura  
Chair: José Manuel Leal  
Discussant: Marielle Papin-Manjarrez

Subnational contribution to global climate governance: the case of São Paulo and SDG 13  
*Pedro Henrique Torres*

Where does novelty come from? A social network analysis of transnational municipal networks engaged in global climate governance  
*Marielle Papin-Manjarrez*

Urban policies related to Low Carbon Emissions Public Transportation (LCEPT) in Latin American cities. The cases of Lima and Mexico City  
*José Manuel Leal*

From the ground up: How co-development of innovation climate service provision could assist climate governance in cities  
*Louis Celliers, María Máñez Costa, Jo-Ting Huang-Lachmann, Rodrigo Valencia*

**Justice and Allocation 7 - Panel ID 27**  
**Just transitions (i): diverse conceptions and contexts**

Venue: Auditorio  
Chair: Chukwumerije Okereke

Participation is not enough for environmental justice: Recognising value systems in forest conservation in Mexico  
*Louise Guibrunet, Peter Gerritsen, José Antonio Sierra-Huelsz, Adriana Flores-Díaz, Eduardo García-Frapolli, Eligio García-Serrano, Unai Pascual, Patricia Balvanera*

Gender and the ILO's Just Transition: What does it mean to women from the Global South?  
*Sharmini Nair*

Trust, justice, and global forest governance: Evidence from the field  
*Kimberly Marion Suiseeya*

A genealogy of just transitions: Varieties of just transitions - varieties of environmental justice  
*Dimitris Stevis*
Justice and Allocation 8 - Panel ID 29
Legal and institutional perspectives on justice and allocation

Venue: Terraza
Chair: Peter Lawrence

Adaptation to climate change: Institutionalising (in)justices?
Maria Kaufmann

Law, society and the Anthropocene
Margot Hurlbert

Norm diffusion and legal innovation in Earth System Governance: The case of green courts
James Mike Angstadt

The Inter-American human rights system and climate change: Anticipating human rights-based climate litigation
Juan Auz

Innovative Session 10
The role of universities in transitions to sustainable societies

Venue: Casa de la Ciudad
Organizer: Maria del Coro Arizmendi

Participant: Ayari Pasquier
Parallel Panel Sessions 7

Friday, 8 November 2019

14:30 – 16:00

Architecture and Agency 19 – Panel ID 3
Partnerships for Sustainable Development Goals: The promise and pitfalls

Venue: Claustro

Chairs: Ayşem Mert, Sander Chan
Discussants: Karin Bäckstrand, Åsa Persson

SDG Partnerships for the Implementation of Agenda 2030: Mapping and comparing inclusion and legitimacy across goals
Karin Bäckstrand, Ayşem Mert, Faradj Koliev

Joining forces for sustainable development: a social network analysis of multi-stakeholder partnerships for SDG implementation
Lisa-Maria Glass, Simon Ruf

Creating a "Momentum for Change" in the developing world through transnational climate partnerships
Sander Chan, Frank Biermann, Friederike Eichhorn

Architecture and Agency 20 - Panel ID 59
Conservation governance

Venue: Capilla

Chair: Yves Zinngrebe

Assessing conservation effectiveness of different governance regimes: Evidence from protected areas in Uganda
Michaela Foster

Between subsidies and parks: Agroecological change amid agrarian and conservation policy in Calakmul, Mexico
Carlos Dobler-Morales, Rinku Roy Chowdhury, Birgit Schmook

International conservation treaties and biodiversity declines: Exploring the fit between formal and informal rule structures to assess treaty robustness
Ute Brady

Governance architecture of Brazilian agencies that act against illegal hunting
Daniela Teodoro Sampaio, Frederico Machado Teixeira
**Adaptiveness and Reflexivity 8 - Panel ID 75**

**Philosophical exploration of adaptiveness and reflexivity**

*Venue: Coro*

*Chair: Jeremy Bendik-Keymer*

Reflection on responsible innovation in Earth System Governance  
*Cordula Ott*

Between fixed hierarchies and “rule of code”, a middle way toward a social ecosystem  
*Gael Van Weyenbergh*

Using fuzzy cognitive mapping to understand the farm-level impact of external support for sustainable agriculture transitions  
*Bonnie Averbuch*

Anticipating “unthinkable” collapses: Collective social ecological systems impacts and responsibilities  
*Beth Edmondson*

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**Adaptiveness and Reflexivity 9 - Panel ID 69**

**Linking global and local dynamics: Governance responses across scales**

*Venue: Patio*

*Chair: Peter Jacques*

Beyond positivist decision-support methods: insights from piloting a semi-quantitative method for systemic analysis of SDG interactions in Mongolia, Colombia and Sri Lanka  
*Karina Barquet, Nina Weitz, Ivonne Lobos Alva*

An analytical approach for Mexico City’s Resilience Strategy: incorporating reflexivity towards sustainability  
*Emilio Rodríguez-Izquierdo, Abril Cid, Paola García-Meneses, Karla Peña-Sanabria, Carlos Alonso Muñoz, Ana Escalante*

Urban climate adaptation and governance: Cross-city comparison of social, ecological and technological strategies  
*Yeowon Kim, Marta Berbés, Nancy Grimm, David Iwaniec*
**Architecture and Agency 21 – Panel ID 60**

**Policy and technological innovations**

Venue: Salon ExCasino  
Chair: Claudia Monzon Alvarado

Network governance to enhance community-based ecotourism: A case study on the Oaxaca Coast  
*Alejandro Ramírez-León, Sophie Avila-Foucat*

Rolling the snowball: Norway’s efforts to electrify transportation  
*Nathan Lemphers, Matthew Hoffmann, Steven Bernstein*

The challenges of technology selection for meeting the needs of the poorest farmers: A case study of the System of Rice Intensification (SRI)  
*Alicia Harley*

Leveraging Blockchain technology for innovative climate finance under the Green Climate Fund  
*Marian Feist, Karsten Schulz*

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**Justice and Allocation 9 - Panel ID 6**

**Rethinking the role of Indigenous People(s) in environmental governance**

Venue: Auditorio  
Chairs: Maria-Therese Gustafsson, Almut Schilling-Vacaflor

A literature review on environmental governance and Indigenous Peoples: Uncovering mismatches and searching for new solutions  
*Maria-Therese Gustafsson, Almut Schilling-Vacaflor*

Cultivating Indigenous spaces of representation in global environmental governance: Examining the role of technology, maps, and the built environment  
*Kimberly Marion Suiseeya, Laura Zanotti, Dorothy Hogg, Lucas Kleekamp*

Indigenous knowledge systems and sustainability governance: Reflecting on knowledge co-production to enhance governance capabilities  
*Cristina Yumi Aoki Inoue, Thais Ribeiro*

Indigenous mobilisations and sustainable development  
*Heike Schroeder, Neil Dawson, Emma Gilberthorpe, Tracey Osborne, Iokine Rodriguez, David Glama, Patrick Byakagaba, Mirna Inturias*
Anticipation and Imagination 8 - Panel ID 25
Imagining multiple worlds: Interrogating the future

Venue: Terraza
Chair: Maliha Muzammil

Electric power systems towards sustainability paths
Ignacio Aguilar

Earth System Governance for the pluriverse: proposals for ontological plurality
Emille Boulot, Joshua Sterlin

Agent-Based Modelling and Serious Board Games: Methods and epistemologies of anticipation and imagination in search for justice and sustainability in the global South and North
Luis García, Petra Ahrweiler, Tlacaeelel Rivera, Demian Frank

Writing new energy stories: Building innovative governance models in the Global North based on lessons from energy authors in the Global South and Indigenous communities
Scott Morton Ninomiya

Anticipation and Imagination 9 – Panel ID 22
Anticipating urban futures: Imagining the city

Venue: Casa de la Ciudad
Chair: Ana Flavia Barros

Knowledge system innovation for resilient coastal cities
Robert Hobbins, Tischa Muñoz-Erickson, Sara Meerow, Clark Miller

A multi-modal approach to framing urban resilience: a Valdivian case study
Lelani Mannetti, David Iwaniec, Elizabeth Cook, Tischa Muñoz-Erickson, Robert Hobbins

Rethinking knowledge systems for urban resilience: Feminist and decolonial contributions to just transformations
Mathieu Feagan, Katinka Wijsman
Innovative sessions

Each Earth System Governance conference features a range of innovative sessions in various formats such as roundtables (which may include policy-makers, academics, or representatives of social movements and non-governmental organizations), policy games, book launches, and seminars that discuss recently published academic works in the field.

Innovative Session 1
Towards new governance systems for the global conservation of biodiversity: Contributions and insights from the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)

The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) is considered a “major cornerstone in the transformation of international environmental governance” in the first half of this century. The flagship assessment from IPBES is its Global Assessment, and its summary for policymakers was approved by the 132 member countries in May 2019. This fishbowl activity discusses the overall key findings of the Global Assessment (status and trends, drivers, scenarios and pathways and options). This panel also discusses the innovative approach of including non-state actors in the process of knowledge production, more specifically the engagement and dialogue with indigenous peoples and local communities, that was needed to ensure its legitimacy, credibility, and transparency. Finally, this session also discusses the challenges and opportunities to reflect, improve and develop new governance systems in biodiversity and conservation policy at all scales. The fishbowl (conversation) format facilitates group discussion and is useful for sharing ideas and information from a variety of perspectives.

Organizers
Patricia Balvanera, National Autonomous University of Mexico
Eduardo Brondizio, Indiana University Bloomington

Innovative Session 2
Teaching Earth System Governance: New approaches for learning and action

This innovative session is the first in a new series of dialogues on Earth System Governance in Society that will be held at each Earth System Governance conference. Joining highly regarded scholars who care about teaching, it aims at promoting an exchange of ideas and experiences around the challenges and opportunities of Earth System Governance teaching and to identify ways through which teaching/education can be fostered within our community of researchers. The underlying goal is to reflect on the extent to which teaching Earth system/environmental governance, policy and politics requires new approaches to teaching and whether it is possible to achieve the goal of sustainability education, which is “not just for learners to have knowledge, but to take action” (Earth System Governance Science and Implementation Plan, 2018).

Organizer
Cristina Y. A. Inoue (University of Brasilia, Brazil)
Innovative Session 3
Agency in Earth System Governance: Sharing the bounty of our harvest

This is the first of two panels launching *Agency in Earth System Governance* (2019, Cambridge University Press), a co-edited volume that presents findings from the Earth System Governance Agency Harvesting Initiative. At the core of this effort is the Earth System Governance-Agency Harvesting Database, a collection of 322 peer-reviewed journal articles published between 2008 and 2016 addressing questions of agency. Each chapter provides reflections and insights about how scholars in the ESG community have engaged with this research agenda. *Agency in Earth System Governance* presents current understandings of how a broad range of actors exercise authority in steering society towards (or away from) a more sustainable future as well as their capacity to deliver effective, legitimate and equitable environmental governance. This volume brings together social science research from diverse disciplinary perspectives and draws on a broad range of theoretical and methodological approaches to provide a rich understanding of agency as it operates in earth system governance across multiple scales, issues areas, and geographies.

Organizers
Michele Betsill, Colorado State University
Andrea Gerlak, University of Arizona

Innovative Session 4
Science-Based Negotiation Simulations for Water Policy: Experiences from Veracruz, Mexico and New England, USA

Participants in the session will be introduced to and engage in a science-based role-play negotiation simulation focused on the (re)design of a payment for hydrological services (PHS) program for the fictional Crystal Basin, based on two actual watersheds and PHS programs in the State of Veracruz, Mexico, and engage participants in a conversation about the potential relevance and limitations of science-based negotiation simulations. The first phase will introduce participants to the negotiation context, including major water-related issues, key stakeholders and their priority interests, and model-based outcomes of different PHS program options. In the second phase, participants will negotiate the redesign of the PHS program. In the third phase, participants will reflect on lessons learned from their experience. In the fourth phase, the session organizers will present an overview of three workshops: one in which this policy game was run with stakeholders in Veracruz, Mexico, and two in which a related, dam-focused policy game was run with stakeholders in New England, USA, and facilitate a broader discussion with session participants. This overview will present reflections on the challenges and value of using science-based negotiation simulations in research and to inform policy across these two different contexts.

Organizer:
Catherine M. Ashcraft, University of New Hampshire
Theresa Selfa, State University of New York College of Environmental Science and Forestry
Innovative Session 6
Exploring the role of the military in climate governance

Many governance researchers are sceptical of the role militaries can play in a matter as complex as climate change. Issues arise related to the militarisation of climate change, greenwashing of the significant environmental footprint of the military, as well as general concerns about the appropriate role of the military in climate change governance. However, as extreme weather events and social instability related to climate change increase, military forces are inherently implicated. This roundtable will assemble different geographical and sectoral perspectives on the military-climate-governance intersection. Each speaker will provide a short perspective reflecting their understanding of how the military is, and should be, engaged in climate governance in their context. A facilitated discussion with audience input will seek to draw out points of tension, common understandings, and areas where further research and collaboration is required.

The overarching objective is to launch a larger conversation on the role of the military in earth system governance that appreciates global diversity, and begin to sketch out a larger research program in collaboration with non-academic actors.

**Organizers:**
Dhanasree Jayaram, anipal Academy of Higher Education (MAHE)
Marie Claire Brisbois (co-ordinator), University of Sussex

Innovative Session 7
Building common ground: opportunities and challenges of transdisciplinarity in a Latin American context

Since transdisciplinarity as a concept was created in the Global North, questions arise when this approach is applied to Latin America and similar contexts of the Global South. How can transdisciplinary research be possible in contexts of pronounced power asymmetries and conflicts between actors? What are the limits, challenges and possibilities of multi-stakeholder collaboration in contexts of violence and corruption? Does transdisciplinarity contribute to an intercultural dialogue or does it impose a certain frame for thinking and acting? Should there be a Latin American version of transdisciplinarity? The Transdisciplinary Node of the Socioecosystems and Sustainability Network in Mexico contributes to critical reflections and local appropriation of transdisciplinary collaboration as a process that integrates different forms of knowing, acting and valuing with the aim to produce complex understandings and effective actions for sustainable management of socio-ecological systems. In this roundtable session, we invite participants to discuss about the potential and limitations of transdisciplinarity in the Global South. Part of this discussion is based on previous work with 38 transdisciplinary research groups in Mexico and recent publications (Construyendo lo común desde las diferencias, 2016; Experiencias de colaboración transdisciplinaria para la sustentabilidad, 2018; Investigación-acción participativa y transdisciplinariedad, 2019).

**Organizer:**
Juliana Merçon, Universidad Veracruzana
Innovative Session 8

Developing theories of change for supporting sustainability transformations: A serious game

The ESG community aims to investigate and support sustainability transformations from a social science perspective. For this purpose, the individual ESG members, and the ESG management bodies engage in different activities, target different audiences, and address different knowledge and action gaps. The activities are rooted in diverse scientific backgrounds and expertise, working contexts, ontological and epistemological assumptions, visions and goals. In other words, they point to different theories of change that are often not explicit. The goal of this innovative session is to join the different perspectives and to develop building blocks of joint and novel theories of change for global networks such as the ESG community. This session combines a serious game approach with design thinking to develop theories of change that explicitly focus on the collaboration between science and society. A combination of these two methods will enable the participants to break through their existing thought patterns and widen their horizons for addressing sustainability problems. The game is played on a board in groups of around five people, who receive cards with questions and instructions to guide the discussion. The discussion moves around the different fields on the board.

Organizer
Theresa Tribaldos

Innovative Session 9

Agency in Earth System Governance: Sharing the bounty of our harvest (ii)

This is the second of two panels launching Agency in Earth System Governance (2019, Cambridge University Press), a co-edited volume that presents findings from the ESG Agency Harvesting Initiative. For further details on the initiative, see the overview of the previous session.

Organizers
Michele Betsill, Colorado State University
Andrea Gerlak, University of Arizona
Innovative Session 10
The role of universities in transitions to sustainable societies

Universities – public universities in particular – have a critical responsibility as stewards of the public good. Faced with the crisis of unsustainability and environmental deterioration in both developed and developing countries, universities can have key roles and responsibilities for the sustainable future of societies they serve and that support them. This panel aims to discuss experiences of universities that have developed sustainable practices within their campuses and are also committed to promoting sustainability locally, regionally and nationally. Among the diverse roles universities have played and can play we consider:

- The responsibilities of universities fostering sustainability in the student population, the citizens and leaders of tomorrow, many of whom will become decision makers in critical socio-ecological contexts. Universities can also increase their outreach in favor of sustainability through their students, providing information and promoting value changes.

- The engagement of universities with local societies and government in the search for sustainable scientific, technological and social solutions to the diverse problems present in their local and regional contexts.

- The role of universities as hubs of technological, social and cultural innovations, fostering socio-ecological change in favor of sustainability.

- Universities as credible stewards of environmental sustainability and public health, promoting civic science, supporting monitoring of environmental conditions and socio-ecological outcomes of economic activities (e.g. industrial agriculture, mining, tourism); providing guidance for the implementation of sustainability initiatives in areas such as waste management, water use, consumption of sustainably and locally produced food.

- The role of universities in policy design, evaluation and implementation of public policies and laws is becoming increasingly prominent as they provide science-based information urgently needed for sustainability policies and legislation.

In this session we present the experiences of four universities that have launched experiences of sustainable practices within their campuses and are also committed to promoting sustainability in their local and national contexts, two of them are North American universities and two are Latin American.

Organizer:

Maria del Coro Arizmendi, National Autonomous University of Mexico
Innovative Session 11
Sustainable public procurement as a policy tool for the sustainability transition of food systems

To achieve the SDG goal of ending hunger and malnutrition there is an urgent need to identify mechanisms that support a transition towards sustainable food systems that deliver sufficient nutritious food. Emerging research has shown sustainable public food procurement (SPFP) has the potential to support a transition towards sustainable food systems by creating a market for diversified food products (e.g., legumes, vegetables) from small-scale producers. SPFP may create an alternative public market by generating a structured demand; that is, connecting small-scale producers to a predictable demand for food products, which are linked to consumption in a diversity of settings, e.g. schools, hospitals, and prisons. SPFP can thus be a lever to support transition to sustainable food systems by generating a “mediated market” that facilitate small-scale producers’ preferential access to institutional markets for food produced under desirable conditions (e.g. agro-ecological or organic) while enhancing provisioning of safe and nutritious food. Brazil’s flagship SPFP programs, the National School Feeding Program (PNAE) and the Food Purchase Program, are leading examples of SPFP programs that have delivered social, economic, and environmental goals. Based on their success, FAO has promoted PNAE in other South American countries. However, SPFP remains an underutilized policy instrument to drive sustainable transformation. Further, while there is compelling evidence on the economic and nutrition impacts of SPFP, less is known about how SPFP transforms other components of food systems. This session will discuss the potential of sustainable public procurement to drive a sustainable transformation of food systems. The session will begin with a set of brief presentations to introduce sustainable public procurement and discuss recent work in this area. The second part of the session will reflect on the potential of SPFP as a policy tool to leverage a transition towards sustainable food systems.

Organizers:
Vivian Valencia, Wageningen University & Research
Andreas Stamm, German Development Institute
Side-Events / Meetings

Earth System Governance Scientific Steering Committee Meeting
4 – 5 November 2019, 09:00-16:00, Hotel Misión de los Angeles
By invitation only

Publishers’ Table
6 – 8 November 2019, Jardín Etnobotánico
Throughout the three conference days, a publishers’ table will be located next to the Registration & Information desk in Jardín Etnobotánico, allowing participants to view the latest releases of scientific journals and books relating to earth system governance. These include: the Mexico Conference sponsor Elsevier, Polity Press and Cambridge University Press.

Lead Faculty Lunch
6 November 2019, 13:15 – 14:15, Restaurante Hostería de Alcalá
By invitation only
Address: Macedonio Alcalá 307, Col. Centro, C.P. 68000, Oaxaca de Juárez, Oaxaca

Meeting of the Editorial Board of the Earth System Governance journal
7 November 2019, 13:15 – 14:15, Restaurante Hostería de Alcalá
By invitation only
Address: Macedonio Alcalá 307, Col. Centro, C.P. 68000, Oaxaca de Juárez, Oaxaca

Earth System Governance Research Centres Meeting
8 November 2019, 13:15 – 14:15, Restaurante Hostería de Alcalá
By invitation only
Address: Macedonio Alcalá 307, Col. Centro, C.P. 68000, Oaxaca de Juárez, Oaxaca
The 2019 Winter School on Earth System Governance is hosted in the Zapotec indigenous
community of Capulalpam, two hours’ drive from Oaxaca City, in the spectacular natural
forests of the Sierra de Juárez in Oaxaca, one of the regions of highest biological diversity in
Mexico and in the world.

The Winter School is designed to function as an incubator for early career researchers
working on earth system governance. The Winter School aims to:

- build participants’ knowledge of key concepts and debates in earth system
governance;
- introduce participants to the Earth System Governance project and to fellow
researchers in its global community;
- critically reflect on the Earth System Governance project’s new Science and
Implementation Plan and explore how themes and ideas in the plan could enrich
participants’ research, teaching and broader societal outreach; and
- connect the academic concepts in the Science Plan with the Zapotec community’s
knowledge systems and lived experience on the ground.

The Winter School will combine experiential learning, a series of stimulating presentations
and dialogues on the research lenses in the new science agenda with ample time for
participants to get to know each other and discuss their work-in-progress.

Capulalpam is world renowned for its successful efforts of sustainable forest management
and conservation. It hosts a wide variety of ecosystems and provides an opportunity to get
to know an important biodiversity hotspot, including pine-oak, oak and cloud forests. It was
also the first community in the world where forest management was certified as sustainable
by the Forest Stewardship Council. About 40% of the community lands are devoted to a local
protected area established by decision of the community assembly and protected by
community members. Capulalpam is also a successful case of community governance,
communal land ownership and local development.

Three cooperatives (forest production, eco-tourism, spring water) provide local employment
and collective gains that are always invested in community public goods. Zapotec traditions
are lively in Capulalpam, among them the clinic of indigenous medicine and the music bands
where youngsters take part. Because of these lively traditions and the colonial architecture
of the town, Capulalpam is considered a “magic town” by the Minister of Tourism of the
Mexican government.

Coordinator
Cristina Yumie Aoki Inoue, University of Brasília

Faculty
Eduardo Viola, University of Brasília
Marta Berbés-Blázquez, Arizona State University
Cristina Yumie Aoki Inoue, University of Brasília
Sonja Klinsky, Arizona State University
Leticia Merino, Universidad Nacional Autónoma de México
Jonathan Pickering, University of Canberra
Eduardo Viola, University of Brasilia
Paul Wapner, American University
Taskforce & Meeting Day

All conference participants are welcome to participate in the Taskforce and Meeting Day on 9 November. This day is an opportunity for taskforces, harvesting initiatives, and 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.

This year’s Taskforce & Meeting Day is sponsored by Elsevier.

Pre-registration is required for all meetings. For details on how to register, visit the Mexico Conference website.

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Taskforce on Earth System Law

Venue: Hotel Misión de Los Ángeles, room Donají

9 November 2019

09:00 – 17:00

The Taskforce on Earth System Law will hold its annual meeting on 9 November 2019 as part of the Earth System Governance conference in Oaxaca, Mexico. Building on the previous meetings in Lund and in Utrecht, we will specifically reflect on how to expand the activities and impact of the Taskforce beyond 2019. This will include: refining and finalizing a shared vision, mission and objectives for the Taskforce; developing a shared scientific research agenda, including future events and outputs; discussing the ongoing book publication on Earth system law initiated during the Utrecht meeting; and discussing alternative publications and research dissemination strategies.
Democracy and Earth System Governance

Venue: Hotel Misión de Los Ángeles, room Danizu

9 November 2019

09:00 – 13:00

This meeting will bring together members of the Earth System Governance Working Group on ecological democracy as well as other researchers interested in issues of democracy in earth system governance. The half-day meeting will begin with a round of introductions and updates from participants, followed by a set of interactive discussions to plan the next phase of our work. The event will provide an opportunity for participants to strengthen their research networks and explore plans for future collaboration. The meeting will be facilitated by two co-convenors of the Working Group (Jonathan Pickering and Karin Bäckstrand).

Taskforce on Planetary Justice

Venue: Hotel Misión de Los Ángeles, room Tanilao

9 November 2019

09:00 – 13:00

The annual meeting of the Planetary Justice Taskforce will take place on 9 November 2019 from 9:00 to 13:00. During the meeting we will update ourselves on research, education and publication activities around the issue of “planetary justice” that took place over the past year, review our current mission and objectives, and develop our plans for the future. We will discuss in more detail plans and activities around “Conceptualisations of Planetary Justice” (led by Stefan Pedersen), “Empirical Applications of Planetary Justice” (led by Dimitris Stevis) and “Teaching Planetary Justice” (led by Sonja Klinsky). Scholars who bring in visions and practices of justice that are alternative to the Western liberal understanding of the matter are especially welcome. The meeting will provide the opportunity to strengthen and expand our collaboration on justice related questions and develop a vibrant community on justice research, education and practice. For any questions and ideas you would like to discuss during this meeting please contact the Taskforce co-convenor Agni Kalfagianni.

Taskforce on New Technologies

Venue: Hotel Misión de Los Ángeles, room Danizu

9 November 2019

14:00 – 17:00

The ESG Taskforce on New Technologies facilitates communication, cooperation, and collaboration among scholars of environmental governance and novel technologies; and raises the profile of new technologies in environmental governance scholarship as well as that of environmental governance in the scholarship of technology and regulation. Its members are diverse with respect to disciplines, methodologies, research questions, and normative priors. The Taskforce will hold its second meeting on 9 November 2019 from 9:00 to 13:00. As a recently approved Taskforce, we welcome the participation of scholars who are interested in the intersection of the environment, politics, and technologies. We will update each other on recent activities; revising and finalizing our objectives and activities, with particular attention to strengthening connection to the new ESG science plan; and identify opportunities – including events and publications – for productive activities in the upcoming year.
List of Participants

Jesse Abrams, University of Georgia, United States of America
Ignacio Aguilar, University of Waterloo, Canada
Afshin Akhtar-Khavari, Queensland University of Technology, Australia
Francisco Almonacid Buenrostro, National Autonomous University of Mexico, Mexico
James Mike Angstadt, Colorado College, United States of America
Cristina Yumie Aoki Inoue, Universidade de Brasilia, Brazil
Jazmin Adriana Arguello Velazquez, ENS de Lyon, France
Maria del Coro Arizmendi Arriaga, National Autonomous University of Mexico, Mexico
Heidi Asbjornsen, University of New Hampshire, USA
Catherine Ashcraft, University of New Hampshire, USA
Juan Auz, Potsdam Institute for Climate Impact Research, Potsdam, Germany
Bonnie Averbuch, Aarhus University, Denmark
Sophie Avila Foucat, National Autonomous University of Mexico, Mexico
Emma Avoyan, Radboud University, The Netherlands
Mark Axelrod, Michigan State University, United States of America
Barbara Ayala-Orozco, National Autonomous University of Mexico, Mexico
Walter Baber, California State University Long Beach, United States of America
Karin Bäckstrand, Stockholm University, Sweden
Jacopo Baggio, University of Central Florida, United States of America
Srishtee Bajpai, Kalpavriksh, India
Susan Baker, Cardiff University, United Kingdom
Patricia Balvanera, National Autonomous University of Mexico, Mexico
Karina Barquet, Stockholm Environment Institute, Sweden
Ana Flavia Granja Barros, University of Brasilia, Brazil
Deborah Barry, Water, Soils and Agriculture program for Catholic Relief Services for Mesoamerica
Robert Bartlett, University of Vermont, Burlington, United States Of America
Steffen Bauer, German Development Institute, Germany
Antony Bebbington, Clark University, United States of America
Jelle Behagel, Wageningen University, The Netherlands
Jeremy Bendik-Keymer, Case Western Reserve University, United States of America
Steven Bernstein, University of Toronto, Canada
Michele Betsill, Colorado State University, United States of America
Frank Biermann, Utrecht University, The Netherlands
Pierre Boileau, UN Environment
Emille Boulot, McGill University, Canada
Ute Brady, Arizona State University, United States of America
Clara Brandi, German Development Institute, Germany
David Bray, Florida International University, United States of America
Anita Breuer, German Development Institute, Germany
Marie Claire Brisbois, University of Sussex, United Kingdom
Eduardo S. Brondizio, Indiana University Bloomington, United States of America
William Burnside, Nature Sustainability, United States of America
Rafael Calderón-Contreras, Universidad Autónoma Metropolitana, Mexico
Gael van Weyenbergh, Meoh, Belgium
Marieke Veeger, University of International Cooperation, Costa Rica
Isabel Vilaseca Boixareu, Universitat Rovira i Virgili, Spain
Eduardo Viola, University of Brasilia, Brazil
Vincent Virat, Future Earth, France
Corinne Vitale, Radboud University, The Netherlands
Hao Wang, Radboud University, The Netherlands
Maximilian Wanner, Uppsala University, Sweden
Paul Wapner, American University, United States of America
Rosalind Warner, Okanagan College, Canada

Linda Westman, University of Sheffield, United Kingdom
Margaret Wilder, University of Arizona, United States of America
Carina Wyborn, University of Montana, United States of America
Dessiree Xiqui, National Autonomous University of Mexico, Mexico
Abigail York, Arizona State University, United States of America
Fariborz Zelli, Lund University, Sweden
Asim Zia, University of Vermont, United States of America
Yves Zinngrebe, University of Göttingen, Germany
Ruben Zondervan, Earth System Governance Foundation, The Netherlands
International Review Panel

We thank the members of our International Review Panel for their efforts.

Dr. Jakerul Abedin, Ministry of Law, Justice and Parliamentary Affairs, Bangladesh
Dr. Carolina Adler, Mountain Research Initiative, Switzerland
Dr. Karen Anderton, Oxford University, United Kingdom
Prof. Cristina Yumie Aoki Inoue, University of Brasilia, Brazil
Prof. Frederick Ato Armah, University of Cape Coast, Ghana
Dr. Mark Axelrod, Michigan State University, United States of America
Dr. Deborah Barry, Universidad Nacional Autónoma de México, Mexico
Prof. Robert V. Bartlett, University of Vermont, United States of America
Dr. Steffen Bauer, Deutsches Institut für Entwicklungspolitik (DIE), Germany
Prof. Sherrie Baver, City College of New York, United States of America
Dr. Jeremy David Bendik-Keymer, Case Western Reserve University, United States of America
Dr. Marta Berbés-Blázquez, Arizona State University, United States of America
Prof. Steven Bernstein, University of Toronto, Canada
Dr. Michele Betsill, Colorado State University, United States of America
Prof. Frank Biermann, Utrecht University, The Netherlands
Dr. Sabine Blumstein, adelphi, Germany
Dr. Clara Brandi, German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE), Germany
Prof. Harriet Bulkeley, Durham University, United Kingdom
Prof. Sarah Burch, University of Waterloo, Canada
Dr. Tim Cadman, Griffith University, Australia
Prof. Jennifer Clapp, University of Waterloo, Canada
Dr. Carel Dieperink, Utrecht University, The Netherlands
Prof. Claire Dupont, Ghent University, Belgium
Prof. Lorraine Elliott, The Australian National University, Australia
Dr. Pedro Fidelman, University of Queensland, Australia
Dr. Aysha Fleming, CSIRO, Australia
Dr. Nidia Catherine González Piñeros, University of Bologna, Italy
Prof. Christopher Gordon, University of Ghana, Ghana
Dr. Roberto P. Guimarães, Initiative for Equality – USA, Brazil
Prof. Aarti Gupta, Wageningen University, The Netherlands
Prof. Joyeeta Gupta, University of Amsterdam, The Netherlands
Prof. Peter M. Haas, University of Massachusetts Amherst, United States of America
Dr. Frederic Hanusch, Institute for Advanced Sustainability Studies (IASS), Potsdam, Germany
Prof. Matthew Hoffmann, University of Toronto, Canada
Dr. Margot Hurlbert, University of Regina, Canada
Prof. Masahiko Iguchi, Kyoto Sangyo University, Japan
Prof. Atsushi Ishii, Tohoku University, Japan
Prof. Anne Jerneck, Lund University, Sweden
Dr. Sikina Jinnah, University of California, Santa Cruz, United States of America
Dr. Agni Kalagianni, Utrecht University, The Netherlands
Dr. Saiful Karim, Queensland University of Technology, Australia
Dr. Sylvia Karlsson-Vinkhuyzen, Wageningen University, The Netherlands
Dr. Prakash Kashwan, University of Connecticut, United States of America
Prof. Annica Kronsell, Gothenburg University, Sweden
Prof. Balasaheb Kulkarni, PVG’S College of Science and Technology, India
Dr. Peter M Lawrence, University of Tasmania, Australia
Dr. Louis Lebel, Chiang Mai University School of Public Policy, Thailand
Dr. Alex Lo, University of Hong Kong, Hong Kong
Dr. Elizabeth L. Malone, Joint Global Change Research Institute (retired), United States of America
Prof. François Mancebo, University of Reims, France
Dr. Candace K. May, South Dakota State University, United States of America
Dr. Ayşem Mert, Stockholm University, Sweden
Dr. Manjana Milkoreit, Purdue University, United States of America
Prof. Jean-Frédéric Morin, Laval University, Canada
Dr. Kanako Morita, Forestry and Forest Products Research Institute, Japan
Dr. Kapil Narula, University of Geneva, Switzerland
Prof. John Didacus Njoku, Federal University of Technology Owerri, Nigeria, Nigeria
Prof. Sebastian Oberthür, Vrije Universiteit Brussel, Belgium
Prof. Karen O’Brien, University of Oslo, Norway
Dr. Felix Olorunfemi, Nigerian Institute of Social and Economic Research, Nigeria
Dr. Cordula Stephanie Ott, University of Bern, Switzerland
Dr. Susan Park, University of Sydney, Australia
Dr. James Patterson, Utrecht University, The Netherlands
Dr. Åsa Persson, Stockholm Environment Institute, Sweden
Prof. Arthur Petersen, University College London, The Netherlands
Dr. Jonathan Pickering, University of Canberra, Australia
Prof. Jochen Prantl, The Australian National University, Australia
Prof. Hens Runhaar, Utrecht University, The Netherlands
Prof. Roberto Alejandro Sanchez-Rodriguez, El Colegio de la frontera Norte, Mexico
Prof. David Schlosberg, University of Sydney, Australia
Dr. Heike Schroeder, University of East Anglia, United Kingdom
Dr. Michelle Scobie, The University of the West Indies, Trinidad and Tobago
Prof. Henrik Selin, Boston University, United States of America
Dr. Pritee Sharma, Indian Institute of Technology Indore, India
Prof. Bernd Siebenhüner, Carl von Ossietzky University of Oldenburg, Germany
Dr. Jakob Skovgaard, Lund University, Denmark
Dr. Hayley Stevenson, Universidad Torcuato Di Tella, Argentina
Dr. Peter Stoett, University of Ontario Institute of Technology, Canada
Dr. Thomas Thaler, University of Natural Resources and Life Sciences, Austria
Dr. Shaju Thomas, Tropical Institute of Ecological Sciences (TIES), Kerala, India
Dr. Kyla Tienhaara, Queen’s University, Canada
Dr. Rachel Tiller, SINTEF Ocean, Norway
Prof. Prakash C. Tiwari, Kumaun University, India
Dr. Diarmuid Torney, Dublin City University, Ireland
Prof. Harro van Asselt, University of Eastern Finland, United Kingdom
Dr. Frank van Laerhoven, Utrecht University, The Netherlands
Prof. Steve Vanderheiden, University of Colorado at Boulder, United States of America
Dr. Susana Camargo Vieira, International Law Association, Brazil
Dr. Jessica Denila Villanueva, Université de Bordeaux, France
Prof. Eduardo Viola, University of Brasilia, Brazil
Dr. Fang Wang, Sichuan Agricultural University, China
Prof. Paul Wapner, American University, United States of America

Dr. Arjan Wardekker, Utrecht University, The Netherlands
Dr. Yulia Yamineva, University of Eastern Finland, Finland
Prof. Oran R. Young, University of California (Santa Barbara), United States of America
Dr. Fariborz Zelli, Lund University, Sweden
Prof. Asim Zia, University of Vermont, United States of America
Maps

Map - Venues

1 Teatro Macedonio Alcalá, Avenida de la Independencia 900, Centro
2 Centro Cultural San Pablo/Ex convento San Pablo, Miguel Hidalgo 907, Centro
3 Jardín Etnobotánico, Reforma Sur n, Ruta Independencia, Centro
4 Centro Cultural Santo Domingo, Calle Macedonia Alcalá s/n, Ruta Independencia
5 Casa de la Ciudad, Calle Porfirio Díaz 115, Ruta Independencia, Centro
6 Hotel Misión de Los Ángeles, Calz. Porfirio Díaz 102, Reforma
Map – Restaurants, Bars and Calendar

1. Restaurant Tierra del Sol, Reforma 411, Ruta Independencia, Centro
2. San Pablo Restaurant, Av. de la Independencia 902, Centro
3. Vieja Lira Restaurant, Reforma 502, Ruta Independencia, Centro
4. Bar la Mezcalerita, Calle Macedonio Alcalá, Ruta Independencia, Centro
Calenda

Start: At 18:00 at Plazuela del Carmen Alto, Calle Jesus Carranza, Ruta Independencia Centro
End: At 18:45 at the Zócalo of Oaxaca, Portal del Palacio, Plaza de la constitución
Drinks: Tlayudas el Negro, Calle Independencia 310, Centro
Hosted by the National Autonomous University of Mexico (UNAM)