

GENEVA
GRADUATE
INSTITUTE

CENTRE FOR
INTERNATIONAL
ENVIRONMENTAL
STUDIES

CIES 2022 Annual Report



About the Centre for International Environmental Studies

Established in 2010, the Centre for International Environmental Studies (CIES) is the Graduate Institute’s focal point for research on environmental issues. The centre is dedicated to the better understanding of the social, legal, economic and political facets of global problems related to the environment, with an emphasis on the international dimension and the North-South relations.

The centre addresses complex problems such as climate change, biodiversity, food security, energy, natural resources and development. CIES’s mission is to conduct high level academic research to improve the quality of decision making in public and private spheres. This goal is achieved by creating a platform for researchers to conduct interdisciplinary research on the environment, by providing training to PhD students in specialized areas of research and by disseminating research results through outreach activities targeted to academic experts and policymakers.

CIES is part of a number of academic networks and partners with academic institutions and stake-holders throughout the world. Located in the heart of International Geneva, CIES regularly hosts workshops and conferences that bring together researchers and policy-makers.

CIES Advisory Board members

- André Hoffmann, Honorary Chair, Founder of Hoffmann Global Institute for Business & Society – INSEAD, Vice Chairman of Roche Holding, President of the MAVA Foundation
- Claude Martin, Chair, Former Director General WWF International
- Julia Marton-Lefèvre, Former Director General IUCN
- Rolf Jeker, Chair of AO Alliance
- Jon Hutton, Executive Director for Global Conservation, WWF International
- Steven Stone, Director, Economics and Trade Branch, UNEP
- Michel Jarraud, Former Director General of WMO
- Maria Mendiluce, CEO, We Mean Business coalition
- Marie-Laure Salles, IHEID Director

Contact

Centre for International Environmental Studies
Maison de la paix, Petal 1, 8th floor
Chemin Eugène-Rigot 2A
Case Postale 1672
CH-1211 Genève 1
graduateinstitute.ch/cies
cies@graduateinstitute.ch



Contents

Major accomplishments and developments	4
Staffing of the centre	5
MINT Environmental track teaching	8
Active, ongoing research projects	9
Projects launched in 2022	10
Research output	15
Books, edited volumes and contributed chapters	16
Articles published in scientifically refereed journals	18
Research papers, policy papers and other publications	20
Events	22
Documentary Screenings	23
CIES lunch / interdisciplinary seminars	24
Professional training	26
Public impact	27
Partnerships and relation with international Geneva	28
Annexes	29

Major accomplishments and developments

The Centre for International Environmental Studies in 2022:



The Centre for International Environmental Studies (CIES) was established in 2010 with the purpose of providing a platform for research activities of the faculty members at the Geneva Graduate Institute (IHEID) as well as outreach and collaboration with International Geneva. Since that time, the CIES has engaged more than a dozen faculty as members of the centre, worked with incredible aides in leading the administration, and employed graduate students across different departments in the research projects, activities and events. It is now the focus of both research and teaching in the field of environmental policy at IHEID, and it has become a leading research institute in the field of environmental studies in Switzerland and in Europe. We are proud of the way in which the CIES has become a centre for research, cross-disciplinary collaboration, across faculty of all of the departments of the Institute, and teaching support for the Environmental Track of the MINT program.

At this juncture, we would like to thank all of those who contributed to the creation and guidance of the centre. CIES was one of several research centres started at the same time within IHEID, but was distinguished from the outset by the very active involvement of several members of the Geneva community in its establishment. André Hoffmann played the most prominent role in supporting the idea of a centre focused on the environment at IHEID, and he and his family provided the resources to get it started. Claude Martin (WWF) and Julia Marton-Lefèvre (IUCN) have been members of the Advisory Board from the outset, and have helped to advise and guide the centre ever since.

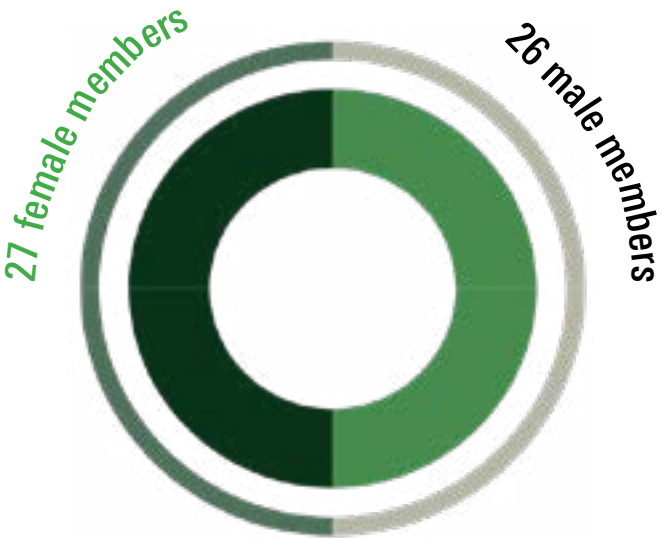
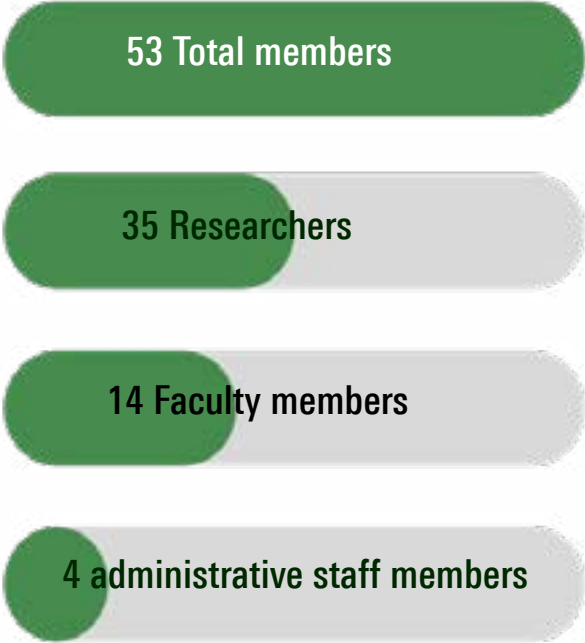
It has been a very busy and productive year at CIES in 2023, as the annual report will demonstrate. More importantly, it has been a very busy and productive dozen years at CIES, and this has been the result of the contributions of the many who have invested in the centre since 2010. We are grateful to them all for their involvement over all these years.

Tim Swanson and Liliana Andonova
Co-Directors, CIES
January 2023

Staffing of the centre



From left to right: Shaila Seshia Galvin, Andhina Irminger, Denis Ruyschaert, Marc Hufty, Liliana Andonova, Romina Pezzot, Imelda, Filipe Calvão, Joëlle Noailly, Timothy Swanson, Isabel Garcia-Godoy, Susanna Hecht, Marianna Fernandes, Feiyang Shi, Pedro Cayul.



Executive Committee and faculty members

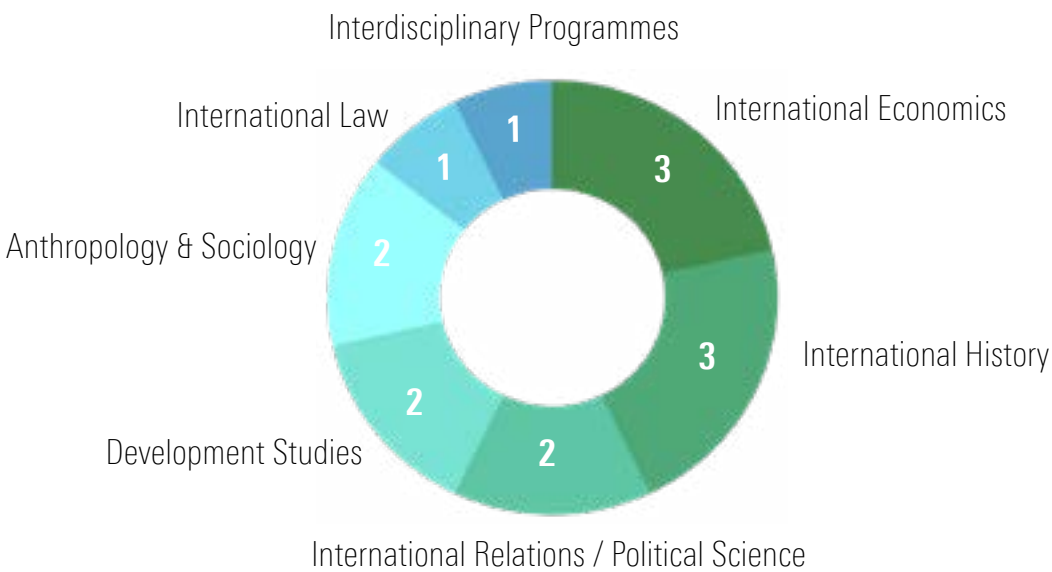
The Centre is led by an interdisciplinary Executive Committee of Professors at the Institute appointed in the area of environment:

- Liliana Andonova, Co-Director of CIES
- Timothy Swanson, Co-Director of CIES
- Joëlle Noailly, Head of Research of CIES
- Bill Adams
- Marc Hufty
- Susanna Hecht

The Executive Committee is supported by other associated faculty members:

- Amalia Ribí-Forclaz
- Anne Saab
- Antoine Acker
- Christophe Gironde
- Filipe Calvão
- Imelda
- James Hollway
- Shaila Seshia Galvin

of faculty members in different disciplines:



CIES administration

In 2022, CIES administration included 4 members of staff and 2 communications assistants:

- Joëlle Noailly, Head of Research of CIES
- Andhina Irminger-Kusumawidjaja, Senior Coordinator
- Isabel Garcia-Godoy, Coordinator
- Sylvia Nissim, Coordinator (March - September 2022)
- Iida Lehto, MA student, Communications Assistant (June 2021 - August 2022)
- Jessica Merriman, MA student, Communications Assistant (November 2022 - January 2023)

CIES researchers

In 2022, the Centre’s staff was composed of 4 postdoctoral researchers, 1 senior research fellow, 17 PhD candidates, 7 research assistants, and 4 visiting fellows.

Please refer to Annex 1 for the list of names of the Centre staff.

In 2022, three PhD Candidates successfully completed their PhDs:



Name: Dario Piselli, PhD Candidate in International Law
PhD thesis: [“Protecting Ecosystem Integrity in the Age of Planetary Boundaries: Science, International Environmental Law, and the Ecosystem Approach.”](#)
(To access the PhD thesis please contact Dr Piselli at dario.piselli@graduateinstitute.ch)
Supervisor: Prof. Anne Saab
Thesis defense date: February 2022
Current position: Expert in Environment, Human Health and Well-being at the European Environment Agency (EEA), in Copenhagen, Denmark.

[Read an interview with Dr Dario Piselli](#)



Name: Matthias van den Heuvel, PhD Candidate in Economics
PhD thesis: [“Essays on the Role of Policy and Venture Financing in Clean Technology Innovation”](#)
Supervisor: Prof. Gaëtan de Rassenfosse
Thesis defense date: May 2022
Current position: Associate at the Brattle Group, in New York, USA.

[Listen to a podcast episode with Dr Matthias van den Heuvel](#)



Name: Laura Minu Nowzohour, PhD Candidate in International Economics
PhD thesis: [“Essays in Environmental Macroeconomics”](#)
Supervisor: Prof. Cédric Tille and Prof. Joëlle Noailly
Thesis defense date: October 2022
Position: Economist Graduate Program Participant at the European Central Bank in Frankfurt, Germany.

[Listen to a podcast episode with Dr Laura Nowzohour](#)
 [Read an interview with Dr Laura Nowzohour](#)

MINT Environmental track teaching



14 professors affiliated with the CIES



23 MINT courses

CIES faculty have contributed to students’ training and teaching through the interdisciplinary track on Environment, Resources and Sustainability in the Interdisciplinary Master’s Programmes (Master in International Affairs and Master in Development Studies). In 2022, the Environment, Resources and Sustainability Track of the MINT programmes were headed by Timothy Swanson and Bill Adams (Spring 2022) and Timothy Swanson (Fall 2022). The list of courses by CIES faculty regularly taught in the MINT programmes can be found in Annex 2.



97 MINT students were part of the Environment, Resources and Sustainability specialisation in the Spring semester 2022:

- 63 MINT as their main specialisation (38 MDEV and 25 MIA)
- 31 MINT students chose it as their second specialisation (14 MDEV and 17 MIA)

34 MINT students were part of the Environment, Resources and Sustainability specialisation in the Fall semester 2022 (MIA and MDEV distinction no longer exists).



10 Applied Research projects (ARP) on environmental topics

Applied Research projects bring together groups of students from the Geneva Graduate Institute with partners from diverse sectors of International Geneva to conduct innovative research that addresses real-world challenges.

Active, ongoing research projects

The CIES is organised around 4 research programmes:

- Environmental Governance
- Climate, Energy and Innovation
- Resources and Development
- Agrarian Environment and Food Systems

Within these programmes, “Biodiversity” and “Land Use” are considered another important research area of CIES. In 2022, there were 12 active and ongoing projects funded by various external sources, including Swiss public research funding organisations (SNSF, SNIS, and University of St. Gallen) and private foundations. One new project started in 2022 : “Lithium Negotiations between South America and Europe: Towards a Network and Research Agenda for a Sustainable and Just Energy Transition”, 5 project proposals were submitted and 2 SNSF projects were accepted.



12 ongoing projects in 2022



1 new project started in 2022



1 completed project in 2022



5 project proposals submitted in 2022
(2 accepted and 3 under review)



Total research funding of all ongoing projects in 2022: 8'049'557 CHF

For a full list of ongoing projects, proposals submitted and projects completed in 2022, please refer to Annexes 3, 4 & 5.

Projects launched in 2022

1. LITHIUM NEGOTIATIONS BETWEEN SOUTH AMERICA AND EUROPE: Towards a Network and Research Agenda for a Sustainable and Just Energy



PROJECT DESCRIPTION:

This project explores the largely overlooked connection between the sustainable energy transition and social and environmental justice. This research seeks to build both a research network and a research agenda around the negotiations taking place between the European Union and Latin American producers of lithium (Argentina, Bolivia and Chile).

- MARC HUFTY, Professor in Development Studies, Geneva Graduate Institute (main applicant)
- DIEGO SILVA, Postdoctoral Researcher, ANSO
- JONAS KÖPPEL, PhD Candidate, ANSO, Research Assistant
- Funded by Leading House for the Latin American Region, University of St.Gallen: 21'360 CHF
- Project duration: January 2022 to December 2023 (extension until December 2023)

Ongoing projects in 2022 - Project Spotlight

1. PANARCHIC: Power and Networks and the Rate of Change in Institutional Complexes



PROJECT DESCRIPTION:

The project plans to study the effects of network and power on how quickly states join, reform, or create international institutions by examining the historical dynamics of three institutional networks from different domains-military alliances (security), trade (economics), and fisheries agreements (environment).

- HENRIQUE SPOSITO, PhD Candidate in IR/PS, Research Assistant
- JAEL TAN, PhD Candidate in IR/PS, Research Assistant
- DIEGO DEL MORAL SUAREZ, Master's student, Development Studies, Research Assistant
- ANDERS TRADS VIEMOSE, Master's student, International Affairs, Research Assistant
- Funded by the SNSF: CHF 695'961; selected through a competitive process
- Project duration: September 2020 to August 2024

2022 UPDATE:

The year saw further progress on each of the three pillars of the PANARCHIC project. With respect to the theory pillar, two project-related pieces were published, and other manuscripts advanced. Methods-wise, further work on the 'goldfish' software was joined by major changes to the 'migraph' software, with doctoral researcher Jael Tan. Both will support data analysis. Lastly, in terms of data, two significant releases of the 'manydata' package and one for 'messydates', especially with doctoral researcher Henrique Sposito, support important updates to how users interact with our collections of global governance data: 'manystates', 'manyenviron', 'manytrade', and more recently 'manyhealth' and 'manyigos'. We said goodbye to two excellent project assistants in Esther Peev and Bernhard Bieri, and welcomed two new assistants in, Diego del Moral Suarez and Anders Trads Viemose.

2. GREEN DEALINGS? - Negotiating Lithium Between South America and Europe for Batteries that Fuel a Just Energy Transition



PROJECT DESCRIPTION:

The project addresses how the emerging “green” energy regime and its reliance on lithium batteries are shaping the political, economic and ecological relations between South American lithium producers and the European Union.

- MARC HUFTY, Professor in Development Studies, Geneva Graduate Institute (main applicant)
- DIEGO SILVA, Postdoctoral Researcher, ANSO
- JONAS KÖPPEL, PhD Candidate, ANSO, Research Assistant
- Funded by the SNIS: CHF 266'000; selected through a competitive process
- Project duration: December 2021 to November 2023

2022 UPDATE:

We started 2022 with the launch of the Green Dealings project, which continues our research on lithium in South America. Integrating several new members, we organized different working groups to collaborate on field research and publications. The project sets a new focus on the current dynamics in the EU battery sector and the consequences for lithium producing countries. To know more about how stakeholders view the challenges in the lithium battery value chain we started conducting an online Delphi survey, which is currently in its third round. In October 2022, we organized a conference on Lithium Crossroads in Buenos Aires, Argentina, where we brought together South American and European researchers and stakeholders. During our stay in Buenos Aires we also held research workshops to finalize our LITHIUM project (funded by the Swiss National Science Foundation) and extend our partnership networks.

3. ANTHROPOSOUTH: LATIN AMERICAN OIL REVOLUTIONS IN THE DEVELOPMENT CENTURY



PROJECT DESCRIPTION:

Through the example of Latin American oil, the core aim of “Anthroposouth” is to highlight the mechanisms that led post-colonial (i.e. formerly colonized and/or imperially dominated) worlds to adopt fossil fuelled economic models.

- ANTOINE ACKER, Swiss National Science Foundation Eccellenza Professorial Fellow, Geneva Graduate Institute (main applicant)
- NATHALIA CAPELLINI CARVALHO DE OLIVEIRA, Postdoctoral Researcher, International History and Politics
- LUKAS BECKER, PhD Candidate, International History and Politics, Research Assistant
- Funded by the SNSF Eccellenza Professorial Fellowship: CHF 1'839'881; selected through a competitive process
- Project duration: September 2021 to August 2026

2022 UPDATE:

In 2022, the project Anthroposouth really kicked off. Our team carried out several archival visits and field trips to Argentina, Colombia, Chile, Brazil and Mexico. We were also able to launch international collaborations about oil and energy in the Anthropocene which will appear next year as publications. Furthermore, we also reached out outside academia to enrich our dialogue with artists and social movements in events we participated and organized.

A complete list of ongoing projects can be found in Annex 3.

4. ACCOUNTABILITY OF INTERNATIONAL ORGANIZATIONS: IS WHAT STRUCTURE, SALIENCE AND EXERCISE OF POWER MAKE OUT OF IT



PROJECT DESCRIPTION:

This project will seek to develop a broadly generalizable theory that places a spotlight on explaining the variable accountability of international organisations (IOs), and how institutional design and political action affect the scope of international accountability.

- Project Investigator: LILIANA ANDONOVA, CIES Co-director and Professor in International Relations and Political Science (IR/PS), Geneva Graduate Institute
- Team:
- GERGANA DIMOVA, Postdoctoral Researcher
- AGNESE ZUCCA, PhD candidate in IR/PS, Research Assistant
- Funder: SNSF, CHF 862'453; selected through competitive process
- Project duration: September 2019 to August 2023. An extension was accepted until August 2024.

2022 UPDATE:

In 2022, the project has progressed along three main lines: the further development of the theoretical framework, the comparative work on IOs accountability, and the research we are conducting on public salience of international organizations. In March 2022, we organized a workshop whose main purpose was to bring together the Professors who agreed to collaborate on the publication of a co-authored book on the accountability of International Organizations. During the workshop, each of the five co-authors presented their research and received feedback from the group, during a collective discussion on each individual contribution. In September 2022, we were able to present the first results of our analysis of the media salience of international organizations at the Annual Meeting of the American Political Science Association (APSA), in Montreal. At the same conference, Professor Liliana Andonova presented a paper on the broader theoretical framework of the project on IOs accountability. In November, theoretical developments on the accountability of IOs were presented by Professor Liliana Andonova at a talk at the European University Institute in Florence.

Research output

In 2022, CIES researchers produced a total of 102 publications.



CIES researchers published 3 books



Contributed to 5 book chapters



Published 30 academic articles in scientifically refereed journals



Published 28 policy-oriented research papers



Another 18 articles and book contributions have been accepted for publication in 2022 and will be published in 2023

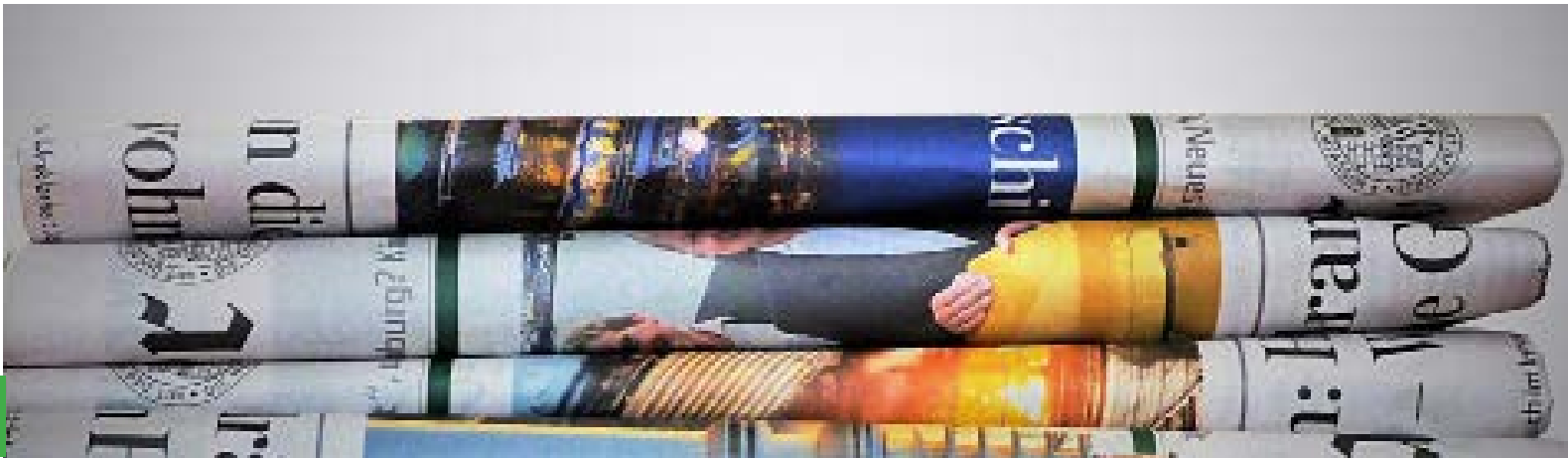


6 CIES publications in the Research Papers, Policy Briefs and Research Briefs series were authored or co-authored by CIES staff



Publications authored by CIES faculty were cited in 12 chapters of the annual 2022 Intergovernmental Panel on Climate Change (IPCC) report

For full lists of articles published in scientifically refereed journals, in-press publications, CIES publications, and other publications, please refer to Annexes 6, 7, 8 & 9.



Books, edited volumes and contributed chapters

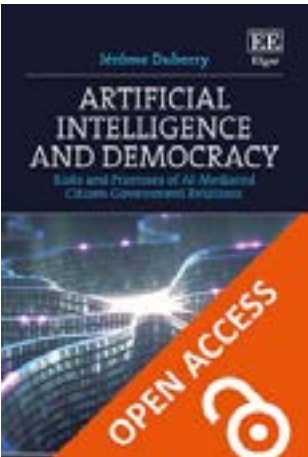
Books



Andonova, Liliana B., Moira, V., & Piselli, D. (2022). **Partnerships for Sustainability in Contemporary Global Governance: Pathways to Effectiveness.** (1st Ed) Routledge.

The book investigates the goals, idea, and realities of sustainability partnerships and offers a theoretical framework to help disentangle the multiple and interrelated pathways that shape their effectiveness.

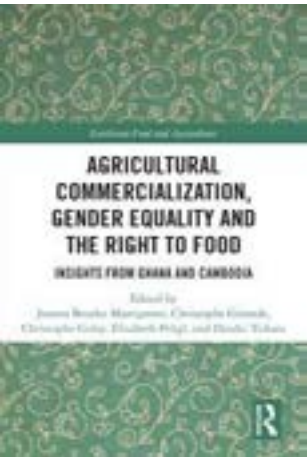
Public-private and multistakeholder partnerships are now embedded in the fabric of global governance. In this new edited book, Liliana Andonova, Moira Faul, Dario Piselli and the contributing authors focus in on the actors, objectives, and power dynamics determining the effectiveness of sustainability partnerships. Together, the chapters provide fresh insights into the world of global governance partnerships.



Duberry, Jérôme. (2022). **Artificial intelligence and democracy: Risks and promises of AI-mediated citizen-government relations.** Edward Elgar Publishing.

“The work presented in this book is considerable and remarkable. This book, a true state of the art of transdisciplinary knowledge on the subject, constitutes a reference in this new field of study.”

This insightful book explores the citizen-government relation, as mediated through artificial intelligence (AI). Through a critical lens, Jérôme Duberry examines the role of AI in the relation and its implications for the quality of liberal democracy and the strength of civic capacity.



Martignoni, J. B., Gironde, Christophe, Golay, C., Prügl, E., & Tsikata, D. (Eds.) (2022). **Agricultural Commercialization, Gender Equality and the Right to Food: Insights from Ghana and Cambodia.** Routledge.

This volume explores agricultural commercialization from a gender equality and right to food perspective.

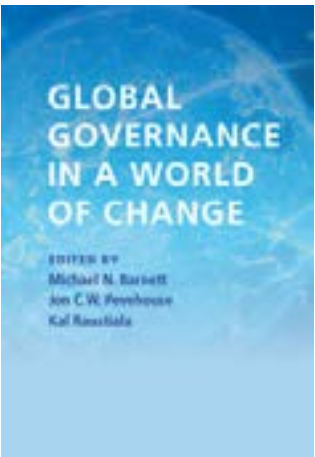
Agricultural commercialization, involving not only the shift to selling crops and buying inputs but also the commodification of land and labour, has always been controversial. Strategies for commercialization have often reinforced and exacerbated inequalities, been blind to gender differences and given rise to violations of the human rights to food, land, work and social security.

Book chapters



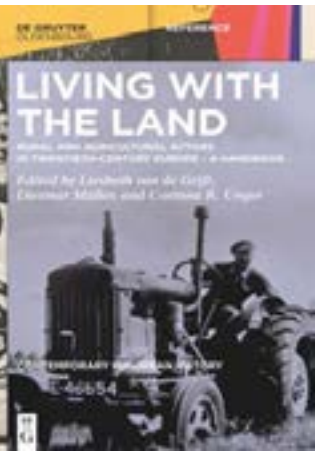
Acker, Antoine, Warlouzet, L., Biasillo, R., Borowy, I., Leal, C., Mauch, C., & Quenet, G.(2022) **“From the Globe to the Planet? New Challenges of Global and Environmental History.”** Monde(s), 21(1), 21–46.

As the challenge of climate change becomes more and more pressing, several academic disciplines are enlarging their focus beyond the non-human world and towards planetary issues. In recent years, historiography has markedly developed in that direction.



Andonova, Liliana B. (2022). **“Clean Energy and the Hybridization of Global Governance”** In Global Governance in a World of Change, Barnett, M., Pevehouse, J. and Raustiala et al. (eds.), Cambridge University Press, 2022.

This chapter examines the making of a new sphere for clean energy governance, and takes an intertemporal perspective to identify three distinct stages in its politics. These policy moves demarcated and institutionalized a new, layered, and evolving sphere of governance of networks, hierarchies, and hybrid arrangements. The analysis illuminates how networks linking different governance modalities capture the growing interdependence across issue areas and actors.



Ribi Forclaz, Amalia, & Taratko, C. (2022). **“Experimenting with Scientific Management: New Approaches to Agricultural Labor in the Twentieth Century.”** In L. van de Grift, D. Müller, & C. R. Unger (Eds.), Living with the Land: Rural and Agricultural Actors in Twentieth-Century Europe – A Handbook. Walter de Gruyter GmbH & Co KG.

During the interwar period, the acute need for labor, food, and rawmaterials led the European farm managers and agricultural experts to experiment with the application of scientific management in agriculture.



Andersen, M., & Noailly, Joëlle. (2022). **“Environmental Regulations in the Mining Sector and Their Effect on Technological Innovation”** In A. Daly, D. Humphreys, G. Valacchi, & J. Raffo (Eds.), Global Challenges for Innovation in Mining Industries (pp. 142–171). Cambridge University Press.

This chapter examines the relationship between the mining sector and environmental regulation, particularly whether stricter national environmental policies lead to increased environmental innovation in the mining sector, and whether higher stringency harms overall mining sector productivity.

Duberry, Jérôme. (2022). "Freedom to Think and to Hold a Political Opinion: Digital Threats to Political Participation in Liberal Democracies." (SSRN Scholarly Paper ID 3961516). Social Science Research Network

With more and more information being shared online, it would seem that expression has never been so free, and yet this abundance is strangely not benefitting freedom of thought or freedom of opinion. The same technologies that opened up access to information are now being used to harvest personal data, spread false news, and micro-target citizens with bespoke content. This chapter explores how political participation, whether understood in its most restrictive (e.g., elections) or broader understanding (e.g., social movements), is vulnerable to data-driven communication instruments and disinformation campaigns.

Articles published in scientifically refereed journals

A key indicator to measure the scientific quality of our publications is the ranking of journals in which articles are published. We follow the ranking of CERES, which is widely used in social sciences and at the Geneva Graduate Institute.

CIES research also impacts society via other types of media exposure, tweets and podcasts. We measure societal impact by using Altmetric attention scores, which track the influence of research on public debate and policy, as weighted by the quantity and quality of posts mentioning an output.



33% of the journals had an A-ranking on CERES
7% of the journals had a B-ranking on CERES



7 articles were in the top 25% of all research output attention scores on Altmetric
1 article was in the top 5% of all research output attention scores on Altmetric

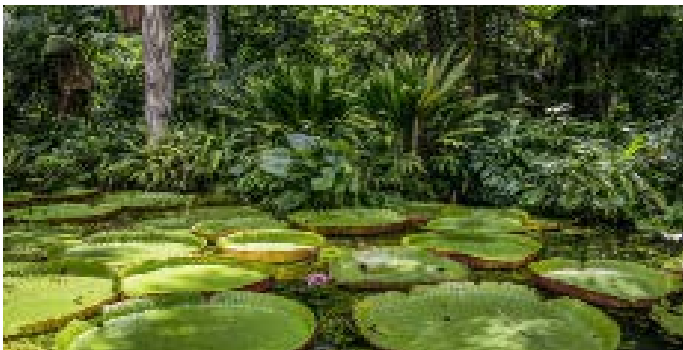
Featured articles (full list available in Annexes 6)



Adams, William M., Ramutsindela, M., & Setten, G. (2022). "Life in Contested Lands: The Discourses and Practices of Mainstream Conservation in the Greater Serengeti Mara Ecosystem" Norsk Geografisk Tidsskrift - Norwegian Journal of Geography, 75(4), 239–241.

In the thesis, Teklehaymanot Weldemichel explores the social and political dimensions of conservation policy and actions. He uses the Greater Serengeti-Mara Ecosystem to demonstrate how such dimensions can play out in a transnational conservation area that holds iconic status because of its rich wildlife, yet also because of the wildlife's co-existence with the Maasai and their pastoral practices. Weldemichel demonstrates how this co-existence has become increasingly contested and problematic, and he argues that there is a fundamental ontological problem at the heart of the discourses and practices of mainstream conservation in this area, as well as more generally.

Andonova, Liliana B., and Piselli, Dario. (2022). "Transnational Partnerships, Domestic Institutions, and Sustainable Development. The Case of Brazil and the Amazon Region Protected Areas Program." World Development, vol. 157.



The article examines the role of institutions in mediating the interface between global challenges, transnational partnerships and the domestic politics of sustainable development. Empirically it focuses on the Amazon Region Protected Areas (ARPA) partnership, as a new type of governance that engages transnational and domestic actors in pursuing more sustainable management of land use, biodiversity conservation and sustainable development in the Brazilian Amazon. Drawing on extensive documentary analysis and field work, the study analyzes ARPA's institutional and political effects in Brazil.



Cayul, Pedro, Corvalan, A., Jaimovich, D., & Pazzona, M. (2022). "Introducing MACEDA: New Micro-Data on an Indigenous Self-Determination Conflict" Journal of Peace Research, 59(6), 903–912.

This article introduces MACEDA, a micro-level dataset on the self-determination (SD) conflict between the Chilean state and the indigenous Mapuche. Although SD disputes are one of the most common conflicts in the world, and indigenous movements represent about 40% of all SD movements, this is the first micro-dataset focused on an indigenous SD conflict.

Dugoua, E., Dumas, M., & Noailly, Joëlle. (2022). "Text as Data in Environmental Economics and Policy." Review of Environmental Economics and Policy.



There is growing interest in using text as data in social science research, particularly in economics. The availability of large amounts of digitized text material such as social media posts, newspapers, firms' annual reports, and patents, combined with new computer techniques, makes it increasingly possible for researchers to use this type of information. The aim of this article is to discuss the potential of these techniques for the field of environmental economics and policy.



Lombardo, U., Arroyo-Kalin, Hecht, Susanna B., et al. "Evidence Confirms an Anthropogenic origin of Amazonian Dark Earths". Nat Commun 13, 3444 (2022).

First described over 120 years ago in Brazil, Amazonian Dark Earths (ADEs) are expanses of dark soil that are exceptionally fertile and contain large quantities of archaeological artefacts. The elevated fertility of the dark and often deep A horizon of ADEs is widely regarded as an outcome of pre-Columbian human influence.

Research papers, policy papers and other publications

Featured CIES Research Paper (full list available in Annex 8)

Does Environmental Policy Uncertainty Hinder Investments Towards a Low-Carbon Economy?



Noailly, Joëlle, Nowzohour, Laura M, & van den Heuvel, Matthias. (2022). "Does Environmental Policy Uncertainty Hinder Investments Towards a Low-Carbon Economy?". CIES Research Paper series, 74-2022. Centre for International Environmental Studies, The Geneva Graduate Institute.

We use machine learning algorithms to construct a novel news-based index of US environmental and climate policy uncertainty (EnvPU) available on a monthly basis over the 1990-2019 period. We find that our EnvPU index spikes during the environmental spending disputes of the 1995-1996 government shutdown, in the early 2010s due the failure of the national cap-and-trade climate bill and during the Trump presidency. We examine how elevated levels of environmental policy uncertainty relate to investments in the low-carbon economy. In firm-level estimations, we find that a rise in the EnvPU index is associated with a reduced probability for cleantech startups to receive venture capital (VC) funding. In financial markets, a rise in our EnvPU index is associated with higher stock volatility for firms with above-average green revenue shares. At the macro level, shocks in our index lead to declines in the number of cleantech VC deals and higher volatility of the main benchmark clean energy exchange-traded fund. Overall, our results are consistent with the notion that policy uncertainty has adverse effects on investments for the low-carbon economy.

Featured CIES Policy Brief

Are Corporate Social Responsibility Endeavours by Firms Necessarily Profit Sacrificing?



Mulatu, Abay. (2022). "Are Corporate Social Responsibility Endeavours by Firms Necessarily Profit Sacrificing?" CIES Policy Brief 10, Summer 2022.

Corporate social responsibility (CSR) has gradually gained traction both in business and corporate governance, as well as in academia and policy circles. However, Mulatu points out that questions still surround the reality of CSR: Why do firms engage in CSR? Can and do firms voluntarily engage in CSR sustainably? Is CSR necessarily profit sacrificing?

Featured CIES Research Briefs

Crowdfunding Cleantech Startups



Purevsuren, K., Taniguchi, R. & Duriaux, F. (2022). "Crowdfunding Cleantech Startups" CIES Policy Brief 11, Summer 2022.

Cleantech startups often find it difficult to attract investments because of their long horizon development and commercialization, need for large upfront capital investment, high technological risks, and low exit opportunities provided by incumbent companies. In recent years, there is a growing interest for raising capital via a large number of diversified investors through online crowdfunding platforms. In our research, we explored what opportunities crowdfunding platforms provide for financing cleantech startups.

Events

In 2022, CIES was able to (co)-organise a total of 23 events:



CIES organised **2 well-attended public Documentary Screening events**



14 lunch-time seminars



CIES co-organised **5 public events** in collaboration with the Centre for Trade and Economic Integration, the Centre for Finance and Development, the Centre for Global Governance, the Anthropology and Sociology Department and the Network for International Policies and Cooperation in Education and Training (NORRAG) at the Geneva Graduate Institute.



3 events targeted at students were co-organised with the GISA Environmental Committee, a IHEID student initiative and the IHEID Sustainability Initiative.



CIES affiliated members also engaged in **130 other policy and public events**

For full list of CIES events and public events with the participation of CIES faculty, please refer to Annex 10.

Documentary Screenings

Documentary Screening: 2 Degrees of Human Nature: A Search for Climate Leadership



Speaker: Tim Flannery, Fondation Segré Distinguished Visiting Professor at the Geneva Graduate Institute
Date: 9 May 2022
In collaboration with: The IHEID Sustainability Initiative

The film follows Professor Tim Flannery as he investigates how the politics of the global climate change negotiations determines our planet's future. In the film, Flannery enters dialogue with communities: from landowners, workers, fossil fuel companies to the government. In doing so the film starts an ongoing dialogue with society.

Audience: 55 in person
Registration: 151



[Watch the recording here](#)



[Read a news post here](#)

Documentary Screening: Demain Genève

DEMAIN GENEVE

Speaker: Grégory Chollet, Co-Director of "Demain Genève"
Date: 19 October 2022
In collaboration with: The IHEID Sustainability Initiative

Demain Genève is the story of a group of young people who, fascinated by the documentary DEMAIN, wonder if such solutions exist near their homes. Knowing neither the environmental and social challenges their city is facing, nor the initiatives in the region, they decide to meet experts and sustainable project leaders, and invite you to share their adventure.

Strongly inspired by the documentary by Mélanie Laurent and Cyril Dion released in 2015, "Demain Genève" offers a positive vision of the future, a glimpse of what our region could look like tomorrow.

Registrations: 131
Audience: 100+ in-person
Video views: 119



[Read more about "Demain Genève" here](#)

CIES Lunch / Interdisciplinary seminars

The CIES lunch / interdisciplinary seminar series is a platform for CIES researchers and external researchers to share their research in progress. The series has also served as a way for CIES to promote itself within the Geneva Graduate Institute community. The series is organised by an interdisciplinary group of scholars.

In 2022, 14 seminars were held, attended on an average by CIES researchers, faculty, and guests.



“‘Objective’ or ‘Subjective’ Science: How New Technologies Reshape Biodiversity Conservation for Orangutan ‘in Danger of Extinction.’” 10 March 2022.
Denis Ruysschaert, Faculty Lead ARPs, Environment Track, Geneva Graduate Institute.



“Text-as-Data in Environmental Economics and Policy.” 17 March 2022.
Joëlle Noailly, CIES Head of Research, Geneva Graduate Institute.



“Energy Transitions in Latin America from a Historical Perspective.” 31 March 2022.
Nathalia Capellini, CIES Postdoctoral Researcher, International History and Politics, Geneva Graduate Institute.



“Lithium Mining in Indigenous Territories.” 14 April 2022.
Jonas Köppel, PhD Candidate, ANSO, Geneva Graduate Institute.



“Applied Research Projects Presentations (Part 1).” 28 April 2022.
MA Students, MINT Environment Track, Geneva Graduate Institute.



“Applied Research Projects Presentations (Part 2).” 5 May 2022.
MA Students, MINT Environment Track, Geneva Graduate Institute.



“Investigating the Trade-Offs and Synergies in Integrating Biodiversity Goals Across the UN Systems.” 12 May 2022.
Matilda Dunn, CIES Visiting Fellow and PhD Candidate, Imperial College, London.



“Tracing the Anthropocene: A History of Climate Research in Russia and the Soviet Union, 1890-1990.” 29 September 2022.
Katja Doose, Post-doctoral Researcher, University of Fribourg and CIES Affiliated Researcher, Geneva Graduate Institute.



“From the Right to Food to Peasants’ Rights.” 13 October 2022.
Christophe Golay, Senior Research Fellow and Strategic Adviser on ESC Rights, Geneva Academy of International Humanitarian Law and Human Rights.



“How has the Brazilian Amazon been Constructed as a Problem? Presidential Speeches and Transnational Politics since 1985.” 27 October 2022.
Henrique Sposito, PhD Candidate, IR/PS and Livio Silva-Müller, PhD Candidate, ANSO, Geneva Graduate Institute.



“Governing Institutional Complexity: The Case of Multilateral Environmental Agreements.” 3 November 2022.
Rak Kim, Assistant Professor, Global Governance, Copernicus Institute of Sustainable Development, Utrecht University.



“Imagined Landscapes: Forestscapes as Spaces for [Re]negotiating Value in an Era of Climate Change.” 17 November 2022.
John Paulraj, PhD Candidate, ANSO, Geneva Graduate Institute.



“Redressing Environmental Harm: A Corporate Sovereignty Problem?” 15 December 2022.
Stefano Porfido, CIES Visiting Fellow and PhD Candidate, Law Department, Scuola Superiore Sant’Anna, Pisa, Italy.

Professional training

Since 2008, CIES faculty members have contributed to the Executive Education programme by delivering courses on topics related to CIES’ 4 research programmes: Environmental Governance; Climate, Energy and Innovation; Resources and Development; and Agrarian Environment and Food Systems. As of 2022, Professor Jérôme Duberry was appointed as Academic Advisor for the EE programme in International Negotiation and Policy-Making.

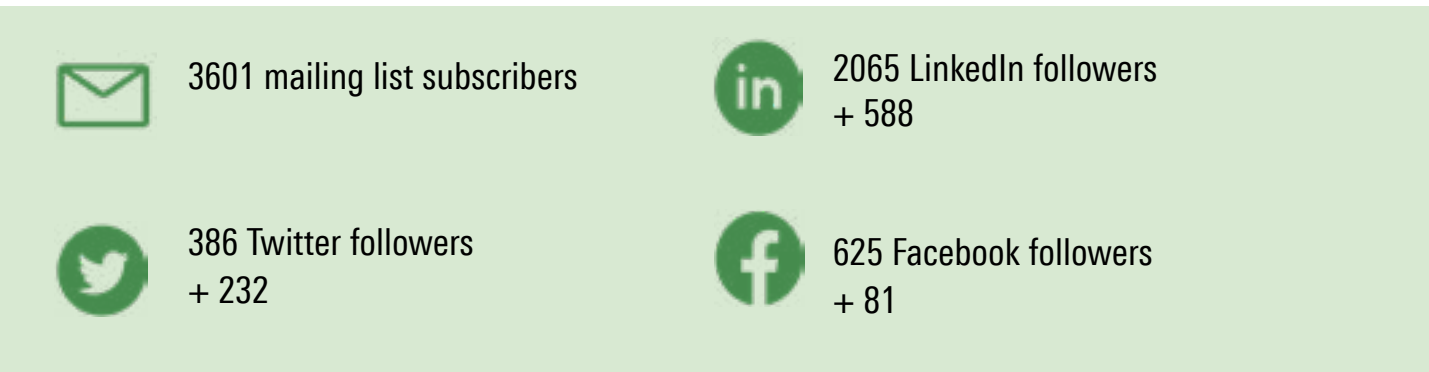
In 2022, 13 courses were given by CIES faculty members as part of the Executive Education programme:


- Development Policies and Practices (Christophe Gironde)
- Environmental Governance & Policy-Making (Anne Saab)
- Executive Master in International Relations (Shaila Seshia Galvin)
- Introduction to Environmental Governance (James Hollway)
- Sustainable Agriculture and Smallholder Farmers (Shaila Seshia Galvin)
- Climates and History (Susanna Hecht)
- The Economics of Climate Change (Tim Swanson)
- International Law on Climate Change (Anne Saab)
- Climate Change Litigation (Anne Saab)
- Biodiversity (Marc Hufty)
- The Governance of Biodiversity (Bill Adams)
- Digital Innovation in Nature Conservation, and Policy Paper Drafting (Jérôme Duberry)
- Innovation Policy for a Low-Carbon Future (Joëlle Noailly)

Public impact

Since joining Twitter in August of 2021, CIES has more than doubled its following and has significantly increased its online presence across all its social media platforms. On LinkedIn, CIES commemorated its 2000th follower in November of 2022 and has maintained strong engagement with alumni and current students.

CIES audience in 2022



 CIES members appeared in the media 22 times (see Annex 11).



Partnerships and relation with international Geneva

This year, CIES partnered with a number of organizations in International Geneva and beyond, to organize policy events and collaborate on high-impact research. CIES has maintained these important relationships for many years and continues to expand its reach into the International Organization and policy world. In 2022, CIES researchers worked with members from the International Labor Organization (ILO), the United Nations Academic Council (UNAC), the United Nations Development Program (UNDP), the World Intellectual Property Organization (WIPO), the Food and Agriculture Organization (FAO), the European Central Bank (ECB), and more.

Notably, the work of 7 CIES members contributed to the 2022 Intergovernmental Panel on Climate Change (IPCC) report, with 19 research publications being referenced across 12 chapters in two of the main Working Groups: Mitigation of Climate Change and Impacts, Adaptation, and Vulnerability.

These publications can be found in Annex 12 of this report.

Inter-Academic Partnerships

CIES also maintains important academic relationships with universities across the globe. CIES researchers have partnered with 42 universities this year, on research seminars, co-authored papers, and co-organized conferences. Within Switzerland, CIES has collaborated with the University of Geneva, University of Bern, University of Lausanne, University of St. Gallen, University of Zurich, and the University of Luxembourg.

Around the world, partnerships have included the Free University of Brussels, Belgium, the University of Amsterdam, The Netherlands, Auckland University, Australia, University of California, Los Angeles and Harvard University, USA, Oxford University and Cambridge University, UK, Central European University and the Sorbonne, France, University of Cape Town, South Africa, Univerdisad Nacional de San Martín, Argentina, and University of Coimbra, Portugal, to name a few.

For a complete list of academic partnerships, see Annexes 9 and 10.



Annexes

Annex 1: Staffing of the centre

In 2022, the centre staff was composed of 5 Postdoctoral Researchers, 1 Senior Research Fellow, 5 members of the ARP-Environment track team, 17 PhD Candidates, 7 Research Assistants, 3 Visiting Fellows and 1 Visiting Professor:

- Diego Silva, Postdoctoral Researcher (ANSO)
 - Matthew Archer, Postdoctoral Researcher (ANSO)
 - Nathalia Capellini Carvalho De Oliveira, Postdoctoral Researcher (International History and Politics)
 - Katja Doose, Postdoctoral Researcher and CIES Affiliated Researcher
 - Zuzana Hudakova, Postdoctoral Researcher
 - Gergana Dimova, Senior Research Fellow
 - Radu Barza, PhD Candidate (International Economics)
 - Laura Nowzohour, PhD Candidate (International Economics)
 - Dario Piselli, PhD Candidate (International Law)
 - Jonas Köppel, PhD Candidate (ANSO)
 - Matthias van den Heuvel, PhD Candidate (EPFL), Visiting Researcher Assistant
 - Pedro Cayul, PhD Candidate (Development Economics)
 - Feiyang Shi, PhD Candidate (Development Economics)
 - Agnese Zucca, PhD Candidate (IR/PS)
 - Henrique Sposito, PhD Candidate (IR/PS)
 - John Paulraj, PhD Candidate (ANSO)
 - Jael Tan, PhD Candidate (IR/PS)
 - Marianna Fernandes, PhD Candidate (ANSO)
 - Lukas Becker, PhD Candidate (International History and Politics)
- Simon Lobach, PhD Candidate (International History and Politics)
 - Bernhard Bieri, Master’s Student (International Economics), Research Assistant
 - Esther Peev, Master’s Student (Interdisciplinary Programs), Research Assistant
 - Anders Trads Viemose, Master’s Student (International Affairs), Research Assistant
 - Diego Del Moral Suarez, Master’s Student (Development Studies); Research Assistant
 - Antoine Pawletta, Master’s Student (IR/PS)
 - Purvi Chaturvedi, Master’s Student
 - Satyam Anand, Master’s Student (International Economics), Research Assistant
 - Matilda Dunn, Junior Visiting Fellow
 - Abay Mulatu, Visiting Fellow
 - Stefano Porfido, Junior Visiting Fellow
 - Denis Ruyschaert, Faculty Lead ARP - Environment Track
 - Jérôme Duberry, Academic Supervisor, ARP - Environment Track
 - Romina Pezzot, PhD Candidate (International Law)
 - Amal Shahid, PhD Candidate (International History and Politics)
 - Emmanuele Zavanella, PhD Candidate (IR/PS)
 - Tim Flannery, Geneva Graduate Institute’s Foundation Segré Distinguished Visiting Professor.

Annex 2: CIES faculty’s courses in the interdisciplinary MINT programmes

Professor	Courses
Anne Saab	- Global Food Systems from a Legal Perspective - Climate Change and International Law
Antoine Acker	- Competing Histories of Climate Change
Amalia Ribí-Forclaz	- Agrarian Transformation and Mobilization: Land, Labour, and Technology

Bill Adams	- The Conservation of Biodiversity - Nature in the Anthropocene
Christophe Gironde	- Développement, pauvreté et inégalité en Asie du Sud-est - Agrarian Change: Mobilities and Migrations
Filipe Calvão	- Digital Anthropology - Extractivism
Imelda	- Economics of Energy Transition: Impacts and Regulations - Environmental Economics and Policy
James Hollway	- International Governance
Jérôme Duberry	- Digital Innovation in Nature Conservation
Marc Hufty	- Political Ecology - Extractivism - Social Movements and the Environment - Biodiversité: entre science et politique - Conservation and Sustainable Development - Introduction of the Analysis of International Environmental Problems
Michel Jarraud	- Climate Science and Policy
Shaila Seshia Galvin	- Environment and Society - Environmental Humanities - Agrarian Worlds: Practice, Power, Place
Susanna Hecht	- Climates and History: What the Past Can Tell us about the Present and the Future - Apocalypse Then and Now: Advanced Research Seminar in Understanding Systemic Collapse and Adaptation
Timothy Swanson	- Conservation and Sustainable Development - Natural Resource Economics and Sustainable Development - Introduction of the Analysis of International Environmental Problems
Tim Flannery	- Climate Change, Clean Energy and Negative Carbon Options

Annex 3: Ongoing research projects

Accountability of International Organisations

This project will seek to develop a broadly generalizable theory that places a spotlight on explaining the variable accountability of international organisations (IOs), and how institutional design and political action affect the scope of international accountability.

Project Investigator: LILIANA ANDONOVA, CIES Co-director and Professor in International Relations and Political Science (IR/PS), Geneva Graduate Institute

Team:

- GERGANA DIMOVA, Postdoctoral Researcher
- AGNESE ZUCCA, PhD candidate in IR/PS, Research Assistant

Funder: SNSF, CHF 862'453; selected through competitive process

Project duration: September 2019 to August 2023

PANARCHIC: Power and Networks and the Rate of Change in Institutional Complexes

The project plans to study the effects of network and power on how quickly states join, reform, or create international institutions by examining the historical dynamics of three institutional networks from different domains-military alliances (security), trade (economics), and fisheries agreements (environment).

Project Investigator: JAMES HOLLWAY, Associate Professor in IR/PS, Geneva Graduate Institute

Team:

- HENRIQUE SPOSITO, PhD Candidate in IR/Political Science, Research Assistant
- JAEL TAN, PhD Candidate in IR/Political Science, Research Assistant
- DIEGO DEL MORAL SUAREZ, Master's student, Development Studies, Research Assistant
- ANDERS TRADS VIEMOSE, Master's student, International Affairs, Research Assistant

Funder: SNSF, CHF 695'961; selected through a competitive process

Project duration: September 2020 to August 2024

A Sustainable Human Niche? Managing Global Land Use

This project analyses the sustainability of the continued expansion of the human niche due to the continued conversion of lands to food production.

Project Investigator: TIMOTHY SWANSON, CIES Co-director and Professor in International Economics, Geneva Graduate Institute

Funder: MAVA Foundation, CHF 298,382

Project duration: February 2020 to March 2024

The Impact of Compulsory School Laws in a Developing Country Context: Examining Impacts and Explanations in Sub-Sharan Africa

This research aims to assess the impact of compulsory schooling laws (CSLs) in a developing country context, with special reference to sub-Saharan Africa (SSA).

Project Investigator: TIMOTHY SWANSON, CIES Co-director and Professor in International Economics, Geneva Graduate Institute

Team:

- MARTINA VIARENGO, Professor in International Economics, Geneva Graduate Institute (co-applicant)
- FEIYANG SHI, PhD Candidate, International Economics, Research Assistant

Funder: SNF, CHF 487,661; Selected through a competitive process

Project duration: July 2018 to June 2023

Synthetic Lives: The Futures of Mining

The global extractive industry is undergoing three critical transformations: the advent of synthetic or lab-grown minerals, the creation of fully automated mining operations, and the introduction of digital data and disintermediation technologies for mining management and traceability. This project responds to these changing conditions with a novel conceptualization of the emergent relationship entangling synthetic and natural objects, humans and machines, material and digital spaces. It asks: What is the role of humans and non-human nature in increasingly synthetic, automated, and digital mining economies?

Project Investigator: FILIPE CALVÃO, Associate Professor, Anthropology and Sociology, Geneva Graduate Institute.

Team:

MARIANNA FERNANDES, PhD Candidate, Anthropology and Sociology, Research Assistant

SIMON LOBACH, PhD Candidate, International History and Politics, Research Assistant

Funder: European Research Council (ERC), EUR 1.5 million; selected through a competitive process

Project duration: May 2021 to April 2026

Accounting for Nature: Agriculture and Mitigation in the Era of Global Climate Change

Agriculture is paradoxically positioned in relation to climate change - contributing significantly to the problem, while being immediately and directly threatened by it. This project examines how the mitigation of agricultural greenhouse gases is emerging as a sphere of knowledge and an arena of management through the development of accounting practices and protocols.

Project Investigator: SHAILA SESHIA GALVIN, Associate Professor, Anthropology and Sociology, Geneva Graduate Institute

Team:

- DIEGO SILVA, Postdoctoral Researcher, ANSO, Graduate Institute

- JOHN PAULRAJ, PhD candidate, ANSO, Research Assistant

Funder: SNSF, CHF 811'818

Project duration: September 2021 to August 2025; selected through a competitive process

Green Dealings ? - Negotiating Lithium between South America and Europe for Batteries that Fuel a Just Energy Transition

The project addresses how the emerging “green” energy regime and its reliance on lithium batteries are shaping the political, economic and ecological relations between South American lithium producers and the European Union. Lithium batteries have become the key technology for electric vehicles and grid renewable energy storage, leading actors like the EU to promote domestic battery industries through initiatives such as the Green Deal and the European Battery Alliance. This research probes core concerns largely overlooked in the midst of the political imperative for a clean energy transition.

Project Investigator: MARC HUFTY, Professor in Development Studies, Geneva Graduate Institute

Team:

- DIEGO SILVA, Postdoctoral Researcher, Anthropology and Sociology

- JONAS KÖPPEL, PhD Candidate, Anthropology and Sociology, Research Assistant

Funder: SNIS, CHF 266'000; selected through a competitive process

Project duration: December 2021 to November 2023

Anthroposouth: Latin American Oil Revolutions in the Development Century

Through the example of Latin American oil, the core aim of “Anthroposouth” is to highlight the mechanisms that led post-colonial (i.e. formerly colonized and/or imperially dominated) worlds to adopt fossil fuelled economic models.

Project Investigator: ANTOINE ACKER, Swiss National Science Foundation Eccellenza Professorial Fellow, Geneva Graduate Institute

Team:

- NATHALIA CAPELLINI CARVALHO DE OLIVEIRA, Postdoctoral Researcher, International History and Politics

- LUKAS BECKER, PhD Candidate, International History and Politics, Research Assistant

Funder: SNSF Eccellenza Professorial Fellowship, CHF 1'839'881; selected through a competitive process

Project duration: September 2021 to August 2026

Reshaping Lithium Battery Negotiations between Latin America and Europe: Towards a Research Agenda for a Sustainable and Just Energy Transition

This project aims at addressing the gap between the transition towards a sustainable energy and social and environmental justice by building both a research network and a research agenda around the negotiations taking place between the European Union and Latin American producers of lithium (Argentina, Bolivia and Chile).

Project Investigator: MARC HUFTY, Professor, Development Studies, Graduate Institute

Team:

- DIEGO SILVA, Postdoctoral Researcher, Anthropology and Sociology

- JONAS KÖPPEL, PhD Candidate, Anthropology and Sociology, Research Assistant

Funder: Submitted to University of St-Gallen, CHF 21'360 (12 months)

Project duration: January 2022 - December 2023

Annex 4: Research project proposals submitted in 2022

The Mediterranean Energy Frontier: Offshore Gas Prospects, Geopolitical Disputes, and Futures in a Divided Cyprus

Recent hydrocarbon fields discovered in the Eastern Mediterranean Sea are at the heart of uncertainties over global energy futures following the escalation of Europe’s energy shortage and security issues in the aftermath of the Russian invasion of Ukraine. Yet chronic geopolitical disputes in the region, as well as the 2030 climate targets of Europe, render the future of gas extraction and transportation in the region highly contested. With large amounts of untapped gas fields and a long-held battlefield for competing Greek and Turkish interests, the waters of the divided island of Cyprus are the pivotal source of these geopolitical and environmental uncertainties. The overall aim of this project is to better understand (1) the relationship between hydrocarbon prospects and geopolitical conflict, and (2) environmental & political justice and futures in Cyprus.

Applicants:

- ZEYNEP OGUZ, Senior Postdoctoral Researcher at the University of Lausanne’s Social and Cultural Anthropology Lab

- FILIPE CALVAO, Professor in Anthropology and Sociology, Geneva Graduate Institute

Funder: Ambizione - SNF: 925'002 CHF

Project Duration: 4 years

Status: Under review

Counting Carbon: The Chaping of Low-Carbon Landscapes and Environmental Justice in Colombia

This project analyses how local socio-environmental relations are transformed in Colombia by climate-change mitigation programs within a nature-based-solutions (NBS) framework. We focus on two Colombian carbon emissions reduction programs: Visión Amazonía (linked to reduction of deforestation), and Biocarbono (linked to changes in agrarian practices). Our analysis centers on two sets of questions: 1) will the carbon-accounting efforts of these programs result in subjecting local landscapes to a homogenizing quantification of heterogeneous relations? and 2) how will they transform socio-environmental relations in ways that might jeopardize or increase environmental justice? These questions are pertinent given the critical political juncture in Colombia, where a new leftist administration plans to take up climate action as an important part of its rural development plans, and as a tenet to the implementation of the 2016 Peace Accords with FARC guerrillas.

Applicants:

- SHAILA SESHIA GALVIN, Professor in Anthropology and Sociology, Geneva Graduate Institute

- LAURA GUTIERREZ-ESCOBAR, Assistant Professor at the Institute of Bioethics, Pontificia Universidad Javeriana

Funder: Universität St.Gallen (HSG), Centro Latinoamericano-Suizo (CLS-HSG) - 45'880 CHF

Project Duration: 18 months. Starting date to be confirmed.

Status: Accepted

Emotions and International Law

A starting assumption in this project is that the binary often held in international law between reason and emotion is artificial, and that international lawyers and legal scholars must take account of the role of emotions in their study and work to ensure the continued relevance of international law in addressing real world issues. The project will consist of three detailed case studies that will demonstrate that international law should take emotions seriously, as a constitutive part of, rather than a threat to, reasoned decision-making. The overall objective of the project is to create a new space for academic reflection by examining the reciprocal influence of emotions on international law and of international law on emotions.

Applicants:

- ANNE SAAB, Professor in International Law, Geneva Graduate Institute

Funder: SNSF, CHF 708'081

Project duration: 4 years

Status: Accepted

Critical Minerals and the Clean Energy Transition

A major obstacle to the energy transition often overlooked is the critical reliance of future energy systems on a few essential minerals, such as lithium, nickel, cobalt or rare earths elements, vital to the production of batteries, wind turbines and solar cells. Joëlle Noailly, Steven Poelhekke and Gerard van der Meijden will examine policy solutions to mitigate disruptions in the supply of critical minerals via an exploration of the geopolitical and environmental challenges posed by the mining and extraction of critical minerals. The project, which will be based at the Center for International Environmental Studies, is a collaboration with VU Amsterdam and includes academic and policy partners from the University of Geneva, the Colorado School of Mines, the World Bank and WIPO.

Applicant:

- JOËLLE NOAILLY, CIES Head of Research, Associate Professor, Vrije Universiteit Amsterdam

Funder: SNSF, CHF 810’723

Project duration: 4 years

Status: Accepted

Bank Lending and Transition Risks Towards Clean Energy

The project aims to investigate the role of the Swiss banking sector in financing the energy transition. The project will examine how transition risks – more specifically technological change and climate litigation risks – encourage banks to reallocate their credits away from fossil-fuel firms and towards clean and renewable energy firms. The methodology will rely on an empirical estimation linking loan data to banks and firms’ characteristics. Firms’ exposure to energy transition risks will be measured by firm’s patent portfolio in fossil fuel versus renewable energy technologies, and by climate litigation claims. The findings will help to understand how capital market imperfections in the Swiss banking sector affect the allocation of credit to support the clean energy transition and provide guidance to develop sustainable finance policies.

Applicant:

- JOËLLE NOAILLY, CIES Head of Research, Associate Professor, Vrije Universiteit Amsterdam

Funder: Swiss Federal Office of Energy SFOE – CHF 299’78

Project duration: 3 years

Status: Declined

Implementing Indicators of Climate and Environmental Policy Uncertainty

Project description: This project intends to implement improved indicators of climate and environmental policy to help policymakers and investors to quantify and identify such regulatory risks more precisely, and to formulate more robust and consistent climate policies for the benefit of society.

Applicants:

- JOËLLE NOAILLY, CIES Head of Research, Associate Professor, Vrije Universiteit Amsterdam
- ANTOINE DECHEZLEPRÊTRE, Associate Professorial Research Fellow at the Grantham Research Institute on Climate Change and the Environment, London School of Economics and Senior economist on Green growth in the Economics Department and the Environment Directorate
- TOBIAS KRUIZE, Economist at OECD

Funder: Implementation Networks - SNSF - CHF 399’015

Project duration: 3 years

Status: Under review

Annex 5: Projects completed in 2022

Financing Investment in Clean Technologies

The overarching objective of this project is to investigate how society can steer financing towards cleantech investments. Project Investigator: JÖELLE NOAILLY, CIES Head of Research and Associate Professor at VU Amsterdam

Team:

- GAËTAN DE RASSENFOSSE, Assistant Professor in Innovation Management, EPFL (co-applicant)
- LAURA NOWZOHOUR, PhD candidate, International Economics, Research Assistant
- MATTHIAS VAN DEN HEUVEL, PhD candidate, Economics of Innovation, EPFL

Funder: SNSF & NRP73 : CHF 714’719; selected through a competitive process

Project duration: January 2018 to August 2022

2022 update:

As the “Financing Investments in Clean Technologies” entered its final year, many activities in 2022 related to dissemination of the results in both the academic and policy community. In April, the team organized a 2-day Research Retreat in Morzine (France) bringing together a dozen of academic researchers. Research outcomes were also presented at leading academic congresses over the summer (European Economic Association and European Association of Environmental and Resource Economists, SURED), and at several policy institutions (European Security and Market Authority, European Central Bank, U.S. Government Accountability Office). The key findings underlying the role of a stable and robust environmental policy framework to support the cleantech sector have been communicated via various channels in order to reach a wide audience (scientific papers, VoxEu columns, podcasts). Follow-up work includes the development of an advanced web-visualization tool accessible to all researchers, as well as the submission of a research proposal in collaboration with the OECD.

The Global Political Ecology of Lithium Commodity Chain

Project Description: The aim of this project is to take stock of the lithium commodity chain from a political ecology and governance perspective.

Project Investigator: MARC HUFTY, Professor in Development Studies, the Graduate Institute

Team:

- MORGAN SCOVILLE-SIMONDS, Postdoctoral Researcher, Development Studies
- JONAS KÖPPEL, PhD Candidate, ANSO, Research Assistant

Funder: SNF: CHF 569,322; Selected through a competitive process

Project duration: September 2017 to August 2021. Extension: Until August 2022.

2022 Update:

We started 2022 with the launch of the Green Dealings project, which continues our research on lithium in South America. Integrating several new members, we organized different working groups to collaborate on field research and publications. The project sets a new focus on the current dynamics in the EU battery sector and the consequences for lithium producing countries. To know more about how stakeholders view the challenges in the lithium battery value chain we started conducting an online Delphi survey, which is currently in its third round. In October, we organized a conference on Lithium Crossroads in Buenos Aires, Argentina, where we brought together South American and European researchers and stakeholders. During our stay in Buenos Aires we also held research workshops to finalize our LITHIUM project and extend our partnership networks.

Annex 6: Articles published in scientifically refereed journals

Acker, Antoine, & Rozeaux, S. (2022). Présentation: L’anthropocène, vu d’Amérique latine. Caravelle, 119, 7–14.

Acker, Antoine, Rozeaux, S., Mathis, C.-F., Padua, Jos. A., & Peša, I. (2022). Table-ronde: Vers une histoire transatlantique de l’anthropocène ? Caravelle, 119, 107–124.

Acker, Antoine, Warlouzet, L., Biasillo, R., Borowy, I., Leal, C., Mauch, C., & Quenet, G. (2022). From the Globe to the Planet? New Challenges of Global and Environmental History. Monde(s), 21(1), 21–46.

Adams, William M., Ramutsindela, M., & Setten, G. (2021). Life in Contested Lands: The Discourses and Practices of Mainstream Conservation in the Greater Serengeti Mara Ecosystem. Norsk Geografisk Tidsskrift - Norwegian Journal of Geography, 75(4), 239–241. <https://doi.org/10.1080/00291951.2021.1970622>

Andonova, Liliana B., & Piselli, Dario. (2022). Transnational partnerships, domestic institutions, and sustainable development. The case of Brazil and the Amazon Region Protected Areas program. World Development, 157, 105809. <https://doi.org/10.1016/j.worlddev.2021.105809>

Archer, Matthew. (2022). The ethics of ESG: Sustainable finance and the emergence of the market as an ethical subject. Focaal, 2022(93), 18–31. <https://doi.org/10.3167/fcl.2022.930102>

Bentz, J., O’Brien, K., & Scoville-Simonds, Morgan. (2022). Beyond “blah blah blah”: Exploring the “how” of transformation. Sustainability Science, 17(2), 497–506. <https://doi.org/10.1007/s11625-022-01123->

Bentz, J, K O’Brien, & Scoville-Simonds, Morgan. (eds.) 2022. “The ‘How’ of Transformation: Integrative Approaches to Sustainability” (Special feature). Sustainability Science 17: 497-699.

Block, P., **Hollway, James**, Stadtfeld, C., Koskinen, J., & Snijders, T. (2022). Circular specifications and “predicting” with information from the future: Errors in the empirical SAOM–TERGM comparison of Leifeld & Cranmer. *Network Science*, 10(1), 3–14. <https://doi.org/10.1017/nws.2022.6>

Bolay, M., & **Calvão, Filipe**. (2022). Labour, Incorporated: Dependent Contracting and Wageless Work in Africa’s “Responsible” Mines. *Cahiers d’études Africaines*, 245–246, 123–151. <https://doi.org/10.4000/etudesafricaines.36190>

Borghi, J., Ismail, S., **Hollway, James**, Kim, R. E., Sturmberg, J., Brown, G., Mechler, R., Volmink, H., Spicer, N., Chalabi, Z., Cassidy, R., Johnson, J., Foss, A., Koduah, A., Searle, C., Komendantova, N., Semwanga, A., & Moon, S. (2022). Viewing the global health system as a complex adaptive system – implications for research and practice (11:1147). *F1000Research*. <https://f1000research.com/articles/11-1147>

Capellini, Nathalia. (2022). The Tocantins River. *Water and Development in the Brazilian Amazon*. *Contemporanea*, 2/2022. <https://doi.org/10.1409/103866>

Cayul, Pedro, Corvalan, A., Jaimovich, D., & Pazzona, M. (2022). Introducing MACEDA: New micro-data on an indigenous self-determination conflict. *Journal of Peace Research*, 59(6), 903–912. <https://doi.org/10.1177/00223433211064778>

Castro, L. D., **Hufty, Marc**, Velázquez-Posada, M., Ramírez-Rojas, M. G., Cabello-Rangel, H. (2022). Strengthening the response of the Mexican health system to face COVID-19: A perception of key-actors. *International Journal of Integrated Care*, 22(S3), 224. <https://doi.org/10.5334/ijic.ICIC22330>

Chelminski, Kathryn, **Andonova, Liliana** and Sun, Y. Emergence and Structuring of the Clean Energy Regime Complex. *Global Governance* 28 (2022) 1–30.

Cuba, N., Sauls, L. A., Bebbington, A. J., Bebbington, D. H., Chicchon, A., Marimón, P. D., Diaz, O., **Hecht, Susanna B.**, Kandel, S., Osborne, T., Ray, R., Rivera, M., Rogan, J., & Zalles, V. (2022). Emerging hot spot analysis to indicate forest conservation priorities and efficacy on regional to continental scales: A study of forest change in Selva Maya 2000–2020. *Environmental Research Communications*, 4(7), 071004. <https://doi.org/10.1088/2515-7620/ac82de>

Doose, Katja. (2022). Modelling the future: Climate change research in Russia during the late Cold War and beyond, 1970s–2000. *Climatic Change*, 171(1), 6. <https://doi.org/10.1007/s10584-022-03315-0>

Duberry, Jérôme. (2021). Intelligence artificielle, données volumineuses et conservation de la biodiversité. *VertigO - la revue électronique en sciences de l’environnement*, Volume 21 numéro 2, Article Volume 21 numéro 2. <https://doi.org/10.4000/vertigo.32470>

Dugoua, E., Dumas, M., & **Noailly, Joëlle**. (2022). Text as Data in Environmental Economics and Policy. *Review of Environmental Economics and Policy*, 000–000. <https://doi.org/10.1086/721079>

Escosteguy, M., Clavijo, A., Paz, W. F. D., **Hufty, Marc**, & Seghezzo, L. (2022). “We are not allowed to speak”: Some thoughts about a consultation process around lithium mining in Northern Argentina. *The Extractive Industries and Society*, 101134. <https://doi.org/10.1016/j.exis.2022.101134>

Forclaz, Amalia Ribi (2022). A Bed, a Cover, and Possibly a Pillow: The International Labour Organization and the Housing Conditions of Agricultural Workers in the Interwar Years. *Capitalism: A Journal of History and Economics*, 3(1), 136–159. <https://doi.org/10.1353/cap.2022.0004>

Haunss, S., & **Hollway, James** (2022). Multimodal Mechanisms of Political Discourse Dynamics and the Case of Germany’s Nuclear Energy Phase-Out [SSRN Scholarly Paper No. 4242573]. <https://papers.ssrn.com/abstract=4242573>

Hecht, Susanna B. (2022). “A Storm Is Blowing in from Paradise”: Political Ecologies in Latin America and Why They Matter Now. *LASA Forum*, 53, 6.

Lombardo, U., Arroyo-Kalin, M., Schmidt, M., Huisman, H., Lima, H. P., de Paula Moraes, C., Neves, E. G., Clement, C. R., Aires da Fonseca, J., de Almeida, F. O., Vieira Alho, C. F. B., Bronk Ramsey, C., Brown, G. G., Cavallini, M. S., Lima da Costa, M., Cunha, L., Dos Anjos, L. H. C., Denevan, W., **Hecht, Susanna B.**, Teixeira, W. G. (2022). Evidence confirms an anthropic origin of Amazonian Dark Earths. *Nature Communications*, 13(1), 3444. <https://doi.org/10.1038/s41467-022-31064-2>

Lorca, M., Olivera Andrade, M., Escosteguy, M., **Köppel, Jonas, Scoville-Simonds, Morgan, & Hufty, Marc**. (2022). Mining indigenous territories: Consensus, tensions and ambivalences in the Salar de Atacama. *The Extractive Industries and Society*, 9, 101047. <https://doi.org/10.1016/j.exis.2022.101047>

Naso, P., Haznedar, O., Lanz, B., & **Swanson, Timothy**. (2022). A macroeconomic approach to global land use policy. *Resource and Energy Economics*, 101302. <https://doi.org/10.1016/j.reseneeco.2022.101302>

Noailly, Joëlle. and R. Smeets (2022) Financing Energy Innovation: Internal Finance and the Direction of Technical Change, *Environmental and Resource Economics*, 83(1), 145-169

Ruysschaert, Denis. & Salles, D. (2022). Dossier: « Patrimoines, savoirs, pouvoirs » – Construire la nature comme un patrimoine mondial : la fabrique scientifique de l’orang-outan à Sumatra (Indonésie). *Natures Sciences Sociétés*, 30(2), Article 2. <https://doi.org/10.1051/nss/2022037>

Sandbrook, C., Gómez-Baggethun, E., & **Adams, William M.** (2022). Biodiversity conservation in a post-COVID-19 economy. *Oryx*, 56(2), 277–283. <https://doi.org/10.1017/S0030605320001039>

Schulz, C., & **Adams, William M.** (2022). Addressing conflict over dams: The inception and establishment of the World Commission on Dams. *Water History* 14:289-308. <https://doi.org/10.1007/s12685-022-00308-9>

Searle, A., Turnbull, J., & **Adams, William M.** (2022). The digital peregrine: A technonatural history of a cosmopolitan raptor. *Transactions of the Institute of British Geographers*). <https://doi.org/10.1111/tran.12566>

Silva-Garzon, Diego. Nathalia, H. V., & Christina, H. (2022). Wounded relational worlds: Destruction and resilience of multispecies relationality in the age of climate change. *Alternautas*, 9(1), Article 1. <https://doi.org/10.31273/an.v9i1.1172>

Thylstrup, N. B., **Archer, Matthew**. & Ravn, L. (2022). Traceability. *Internet Policy Review*, 11(1). <https://policyreview.info/glossary/traceability>

Verma, A. P., & **Imelda**. (2022). Clean Energy Access: Gender Disparity, Health and Labour Supply. *The Economic Journal*, ueac057. <https://doi.org/10.1093/ej/ueac057>

**Annex 7: In-press publications
BOOKS:**

Acker, Antoine, Capellini, Nathalia, Chatterjee, Shutzer, Matthew, & Becker, Lukas, “Fossil Fuels From Extraction to Emissions,” in *Routledge Handbook of Environmental History*. Forthcoming.

Escosteguy, M., Diaz Paz, W., Iribarnegaray, M. A., Clavijo, A., Ortega Insaurralde, C., Stern, H., Venencia, C., Brannstrom, C., **Hufty, Marc**, & Seghezzo, L. (2021). Will electro-mobility encourage injustices? The case of lithium production in the Argentine Puna. In *Democratizing Energy: Imaginaries, Transitions, Risks* (pp. 225–232). Arizona State University. <https://doi.org/10.1016/B978-0-12-822796-1.00024-3>

Hollway, James. (2022). A framework for resilience of and in international networks. In E. Lazega, T. Snijders, & R. Wittek (Eds.), *A Research Agenda for Social Networks and Social Resilience* Cheltenham: Edward Elgar, 101–114.

Prell, Christina, **Hollway, James**, Matous, Petr and Todo, Yasuyuki, “International trade networks”, in John Scott, John McLevey, and Peter Carrington (Eds.), *The SAGE Handbook of Social Network Analysis*, London: Sage. Forthcoming 2023.

Ruysschaert, Denis., chapter in Cordonier Segger, M.-C., Wardell, D. A., & Harrington, A. (Eds.), CITES as a Tool for Sustainable Development. Cambridge University Press. Forthcoming 2023.

POLICY PAPERS:

The Agrarian Transition in the Mekong Region: Pathways Towards Sustainable Land Systems. Ehrensperger, A., Nanthavong, V., Beban, A., **Gironde, Christophe.**, Diepart, J-C., Scurrah, N., Nguyen, A-T., Cole, R., Hett, C., and Ingalls, M., 2022: MRLG Policy Brief Nr XX. Forthcoming.

Agrarian Transition in the Mekong Region Recognition of customary tenure in forest landscapes of the Mekong region. Diepart, J.-C., Scurrah, N., Beban, A., **Gironde, Christophe** and Campbell, N.Y., 2022. MRLG Policy Brief Nr XX. Forthcoming.

Agrarian Transition in the Mekong Region. Agricultural commercialisation: Balancing efficiency, equity, and justice. Nguyen A-T, Cole, R., Oya, C., Beban, A., Gironde, Christophe, and Ehrensperger, A. 2022. MRLG Policy Brief Nr XX. Forthcoming. Agrarian Transition in the Mekong Region: Creating agricultural landscapes with positive environmental outcomes. Hett C., Aye Z.C., Bernhard R., Beban A., **Gironde Christophe** and Ehrensperger A., 2022. MRLG Policy Brief Nr XX. Forthcoming.

ARTICLES:

A. Ehrensperger, V. Nanthavong, A. Beban, **Gironde, Christophe**, J.-C. Diepart, N. Scurrah, Anh-Thu Nguyen, R. Cole, C. Hett, M. Ingalls, The Agrarian Transition in the Mekong Region: Pathways Towards Sustainable Land Systems, Journal of Land Use Science (special issue: Agrarian Change in the Mekong Region: Pathways towards Sustainable Land Systems). Forthcoming 2023.

A. Beban and **Gironde, Christophe**, Surviving Cassava: smallholder farmer strategies for coping with market volatility in Cambodia, Journal of Land Use Science (special issue Agrarian Change in the Mekong Region: Pathways towards Sustainable Land Systems). Forthcoming 2023.

Anh-Thu Nguyen, C. Oya, R. Cole, A. Beban, **Gironde, Christophe**, A. Ehrensperger, Agricultural commercialization in the Mekong region: A meta-narrative review and policy implications, Journal of Land Use Science (special issue: Agrarian Change in the Mekong Region: Pathways towards Sustainable Land Systems). Forthcoming 2023.

C. Hett, Zar Chi Aye, **Gironde, Christophe**, A. Beban, J.-C. Diepart, J.-C. Castella, A. Ehrensperger, Agroecological initiatives in the Mekong Region: A systematic review and mapping with a particular emphasis on their impacts on ecosystem services, Journal of Land Use Science (special issue Agrarian Change in the Mekong Region: Pathways towards Sustainable Land Systems). Forthcoming 2023.

Capellini, Nathalia. “Expansion hydroélectrique et contrôle de l’eau par l’État au Brésil (1930-1990),” Caravelle, n. 119. Forthcoming 2023.

Forclaz, Amalia Ribi. “Progress versus Precaution: International Organizations and the History of Pesticide Use Governance, 1940s to 1070s (together with Corinna Unger, accepted for special issue Comparativ. Forthcoming Spring 2023.

Galvin, Shaila Seshia and Silva Garzón, Diego. “The political life of mitigation: From carbon accounting to agrarian counter-accounts.” Journal of Peasant Studies. Accepted November 2022, forthcoming.

Imelda, and Fabra, Natalia. “Market Power and Price Exposure: Learning from the Changes in Renewable Energy Regulation,” American Economic Journal: Economic Policy. Forthcoming 2023.

J.-C. Diepart, N. Scurrah, A. Beban, **Gironde, Christophe**, N. Campbell, Mapping customary tenure in the forest landscapes of the Mekong region: a Polanyian perspective, Journal of Land Use Science (special issue: Agrarian Change in the Mekong Region: Pathways towards Sustainable Land Systems). Forthcoming 2023.

Annex 8: Research papers, policy papers and other publications

CIES RESEARCH PAPERS:

Di Falco, Salvatore, B. Kis, Anna & **Viarengo, Martina.** (2022). “Cumulative Climate Shocks and Migratory Flows: Evidence from Sub-Saharan Africa.” CIES Research Paper Series 73-2022. Centre for International Environmental Studies, The Graduate Institute. <https://repository.graduateinstitute.ch/record/299903?ln=en>

Noailly, Joëlle, Nowzohour, Laura & Van den Heuvel, Matthias. (2022). “Does Environmental Uncertainty Hinder Investments Towards a Low-Carbon Economy?” CIES Research Paper Series 74-2022. Centre for International Environmental Studies, The Graduate Institute. <https://repository.graduateinstitute.ch/record/300226?ln=en>

CIES POLICY BRIEFS:

Falco, Francesca. (2022). “Farmland biodiversity: the new EU Common Agricultural Policy still falling short on landscape-scale conservation.” CIES Policy Brief 9, Summer 2022. <https://repository.graduateinstitute.ch/record/299858>

Mulatu, Abay. (2022). “Are Corporate Social Responsibility endeavours by firms necessarily profit sacrificing?” CIES Policy Brief 10, Summer 2022. <https://repository.graduateinstitute.ch/record/300205?ln=en>

Purevsuren, Khaliun, Taniguchi, Ryota, Duriauz, Florian & Krishnan, Sarayu. (2022). “Crowdfunding Cleantech Startups” CIES Policy Brief 11, Summer 2022. <https://repository.graduateinstitute.ch/record/300206?ln=en>

CIES RESEARCH BRIEFS:

Imelda & Verma, Anjali P. (2022). “Clean Energy Access, Health, and Gender: Evidence from Indonesia.” CIES Research Brief 10, Autumn 2022. https://repository.graduateinstitute.ch/record/300978?_ga=2.238751746.323335366.1673367371-318829123.1628266119

OTHER WORKING PAPERS:

Borghesi, S., A. Munro and **Noailly, Joëlle.** (2022) EAERE Award for the Best Paper Published in Environmental and Resource Economics, Environmental and Resource Economics, 1-3.

Imelda, Fripp, M., & Roberts, M. J. (2022). Real-Time Pricing and the Cost of Clean Power (No. 17–2022; IHEID Working Papers). Economics Section, The Graduate Institute of International Studies. <https://ideas.repec.org/p/gii/giihei/heid-wp17-2022.html>

Noailly, Joëlle. (2022). Directing innovation towards a low-carbon future (Economic Research Working Paper No. 72). World Intellectual Property Organization. <https://www.wipo.int/publications/en/details.jsp?id=4599&plang=EN>

Noailly, Joëlle, Laura Nowzohour, and Matthias van den Heuvel. (2022) A novel news-based index of environmental and climate policy uncertainty, VoxEu.org, CEPR, November 4.

Noailly, Joëlle, Laura Nowzohour, and Matthias van den Heuvel. (2022) Does Environmental Policy Uncertainty Hinder Investments Towards a Low-Carbon Economy? NBER Working Paper, No w30361.

Noailly, Joëlle (2022). Directing innovation towards a low-carbon future (Economic Research Working Paper No. 72). World Intellectual Property Organization. <https://www.wipo.int/publications/en/details.jsp?id=4599&plang=EN>

Pavoni, R., & **Piselli, Dario.** (2022). Armed Conflicts and the Environment: An Assessment of Principle 24 of the Rio Declaration Thirty Years on (SSRN Scholarly Paper ID 4071106). Social Science Research Network. <https://papers.ssrn.com/abstract=4071106>

Shi, Feiyang. (2022). Import shock and local labour market outcomes: A Sino-Indian case study. Graduate Institute of International and Development Studies, International Economics Department.

Van den Heuvel, Matthias, & Popp, D. (2022). The role of Venture Capital and Governments in Clean Energy: Lessons from the First Cleantech Bubble (Working Paper No. 29919). National Bureau of Economic Research. <https://doi.org/10.3386/w29919>

POLICY-ORIENTED PAPERS, BLOGS AND OTHER PUBLICATIONS

Acker, Antoine. L’Anthropocène, vu d’Amérique Latine (The Anthropocene in Latin American perspective), Editor, Special issue of Caravelle, 119 | 2022. Co-edited with Sébastien Rozeaux.

Acker, Antoine. Book jacket endorsement in Thomas D. Rogers, Agriculture’s Energy: The Trouble with Ethanol in Brazil’s Green Revolution, University of North Carolina Press, 2022.

Benito, V., & **Silva-Garzon, Diego.** (2022, May 20). Trigo HB4: Realidades, mitos y relatos en torno de los cultivos transgénicos. Taller Ecologista. <https://tallerecologista.org.ar/trigo-hb4-realidades-mitos-y-relatos-en-torno-de-los-cultivos-transgenicos/>

Boulouchos, K., Neu, U., Baranzini, A., Kröcher, O., Mathys, N., **Noailly, Joëlle,** Scartezzini, J.-L., Schmitz, R., Schwarzenbach, R., Stauffacher, M., & Trutnevyte, E. (2022). Swiss Energy System 2050: Pathways to Net Zero CO2 and Security of Supply - Basic report. Swiss Academies Reports, 17(3). <https://doi.org/10.5281/zenodo.6967084>

Duberry, Jérôme. (2022). Civic tech: opportunités et défis de la participation citoyenne au sein de la société 4.0. In: Paul, E. and Demierre, P. (eds.), Smart à tout prix? Défis de la numérisation au temps de la Covid-19. Lausanne, Switzerland: Fondation Jean Monnet.

Galvin, Shaila Seshia, Weichselbraun, A., & McKay, R. (2022). Technologies of Trust: Introduction. <https://allegrallaboratory.net/technologies-of-trust-introduction/>

Galvin, Shaila Seshia. (2022). “Is it really organic?” Technologies of Trust. <https://allegrallaboratory.net/is-it-really-organic/>

Gironde, Christophe (Director and Executive Producer). (2022). Double Loss. [Video file] Produced by the Geneva Graduate Institute in partnership with Louvain Cooperation; Funded by the Swiss National Science Foundation and the Swiss Agency for Development and Cooperation in the frame of the Swiss Programme for Research on Global Issues for Development [grant number: 400540_152034].

Köppel, Jonas. (2022, February 8). Mining Indigenous Territories — Agree to disagree? Lithium Worlds. <https://lithiumworlds.com/mining-indigenous-territories/>

Lehto, Iida. (2022). Comparison of certification schemes — Benefits to socio-economic & environmental sustainability? Food and Forest Development Finland. <https://www.ffd.fi/stories/comparison-of-certification-schemes-21-1-2022>

Merriman, Jessica, & Wenzel, A. (2022, July 5). Stockholm+50: Commemorating 50 Years of Inaction on Climate Change. The Graduate Press. <https://thegraduatepress.org/2022/07/05/stockholm50-commemorating-50-years-of-inaction-on-climate-change/>

Naso, P. and **Swanson, Timothy.** “Economics of Optimal Water Allocation in Euphrates-Tigris Watershed” A Report to the UNDP Mission on Iraqi Water Resources Management, Geneva Water Hub Research Paper, December 2022.

Pezzot, Romina. (2022, September 26). Armed Groups and International Law —The respect and implementation of the right to truth by armed non-state actors. Armed Groups and International Law. <https://www.armedgroups-internationallaw.org/2022/09/26/the-respect-and-implementation-of-the-right-to-truth-by-armed-non-state-actors/>

Piselli, Dario. (2022). International Sharing of Pathogens and Genetic Sequence Data Under a Pandemic Treaty: What Linkages with the Nagoya Protocol and the PIP Framework? (Global Health Centre Policy Brief,). Geneva Graduate Institute.

Saab, Anne. (2022, November 12). Reflections on The Sentimental Life of International Law. Humanity Journal. <http://humanityjournal.org/blog/reflections-on-the-sentimental-life-of-international-law/>

Scoville-Simonds, Morgan and Köppel, Jonas. (2022, December 8). Do we need lithium to save the planet? Dilemmas of mining and energy transition. Lithium Worlds. <https://lithiumworlds.com/dilemmas-of-mining-and-energy-transition/>

Van Den Heuvel, Matthias. (2022, May 5). Podcast on “Financing Investments in Clean Technologies” | IHEID. “Research in Progress”.

Vorbrugg, A., & **Doose, Katja.** (2022, May 23). Other casualties of Putin’s war in Ukraine: Russia’s climate goals and science. The Conversation. <http://theconversation.com/other-casualties-of-putins-war-in-ukraine-russias-climate-goals-and-science-182995>

Annex 9: Papers presented at conferences by CIES researchers

Acker, Antoine. Paper presentation, “CO2lonialism: the rise of history in global environmental diplomacy” in 6th Congress of the Swiss History Association, University of Geneva, June-July 2022.

Acker, Antoine. Paper presentation, “Latin American oil from YPF to Petrobras: elements for a connected history” in Workshop Interwar economic history of Latin America, University of Geneva, May 2022.

Archer, Matthew. Co-organized with Sayd Randle (Texas A&M University) a panel on “New Political Ecologies of Storage” at the annual meeting of the American Association of Geographers and presented a paper on “Powering the Planetary Mine,” online, February 2022.

Cayul, Pedro. Presenter, “Introducing MACEDA: New micro-data on an indigenous self-determination conflict (1990,2021),” in the 6th Workshop on Political Economy and Political Science (PEPS): Indigenous political economy, online, 26 September 2022.

Dunn, Matilda. Poster presentation, “A content analysis of UN agency strategic plans: where are the gaps and opportunities for addressing biodiversity goals?” European Congress on Conservation Biology, Prague, Czech Republic, 22-26 August 2022.

Forclaz, Amalia Ribí. Paper presentation, “Experts, Institutions and Networks in International Rural Development,” Rural History Conference Uppsala, 22 June 2022.

Galvin, Shaila Seshia. Paper presentation, “Making Mitigation: Accounting, Accountability, and Agricultural Greenhouse Gas Emissions.” Paper presented for the workshop “Accountability in the Anthropocene,” online, 27-28 January 2022.

Galvin, Shaila Seshia. Paper presentation, “The political life of mitigation initiatives in agrarian relations: from carbon accounting to climate accountability,” at “Climate Change and Agrarian Justice Conference,” online, 26 September 2022.

Galvin, Shaila Seshia. Paper presentation, “Rendering commensurable: accounting for climate change on the unsettled landscapes of oil and agriculture in western Canada,” for the panel “The Unsettling Landscapes of Climate Change Data Practices,” annual meeting of the American Anthropological Association, Seattle, WA, 12 November 2022.

Köppel, Jonas. Paper presentation, “Technopolitical maneuverings along the lithium (value, commodity, supply, etc.) chain in Bolivia and beyond,” BATJUST Workshop, University of Agder, 23 June 2022.

Köppel, Jonas. Paper presentation, “Other ends of the chain: Exploring lithium battery futures between Bolivia and Norway,” SAA Annual Meeting 2022, University of Neuchâtel, 12 November 2022.

Köppel, Jonas. Paper presentation, “When technology goes public: The technopolitical meanderings of lithium extraction in Bolivia,” 4S/ESOCITE 2022, University of Cholula, online, 10 December 2022.

Nowzohour, Laura. Paper presentation, “Heard the News? Environmental Policy and Clean Investments,” European Central Bank, Frankfurt am Main, Germany, 15 February 2022.

Nowzohour, Laura. Paper presentation, “Does environmental policy uncertainty hinder investments towards a low-carbon economy?” NRP73 Research Retreat, Morzine, France, 6 April 2022.

Nowzohour, Laura. Paper presentation, Italian Association for Environmental and Resource Economists Conference, “Does environmental policy uncertainty deter Greenfield FDI inflows to the US?” 5-7 June 2022.

Nowzohour, Laura. Paper presentation, “Does environmental policy uncertainty hinder investments towards a low-carbon economy?” European Association for Environmental and Resource Economists Conference, 28 June - 1 July 2022.

Porfido, Stefano. Paper presentation, ““Assessing the evidence of forced environmental migration and environmental victimhood: The Omo-Turkana case-study” co-authored with Chiara Scissa, Environmental Migration Under the Spotlight Conference, Pisa, Italy, 30-31 May 2022.

Saab, Anne. Presentation of forthcoming article, “Discourses of Fear on Climate Change in International Human Rights Law” in the Doctoral Forum at the Central European University’s Department of Legal Studies, 30 November 2022.

Shi, Feiyang. Presented working paper at conference, “Applied Economics Conference: Labour, Health, Education and Welfare,” Belgrade, Serbia, 22-23 September 2022.

Sposito, Henrique. Paper presentation, “Performing Authenticity: Anti-Politically Correct Discourses in Brazil and the United States,” Annual Congress 2022 Swiss Political Science Association, online, 4 February 2022.

Sposito, Henrique. Paper presentation, “Anti-Political Correctness and Authenticity: Authenticity performances in politics in Brazil and the United States” Spring Conference Ceries for the Research Group on Elections and Political Citizenship, University of Lausanne, 31 March 2022.

Sposito, Henrique. Paper presentation, “Amazonian Repertoires in Brazilian Presidential Discourse since 1985” (co-authored with Livio Silva-Muller), Annual Congress of the Latin American Studies Association, online, 6 May 2022.

Sposito, Henrique. Paper presentation, “How has the Brazilian Amazon been constructed as a problem? The economy, the environment, the people, and the nation in the presidential speeches since 1985” (co-authored with Livio Silva-Muller), Albert Hirschman Democracy Centre spring PhD Colloquium, 30 May 2022.

Sposito, Henrique. Paper presentation, “Anti-PC and Authenticity: Authenticity Performances in politics in Brazil and the United States,” American Sociological Association (ASA) Annual Congress, Los Angeles, US, 6 September 2022.

Zucca, Agnese. Poster Presentation, 2022 American Political Science Association Annual Meeting, co-authored with Prof. Liliana Andonova as part of “Accountability of International Organisations” project. Montreal, September 2022.

Annex 10: Events
Academic Conferences, Workshops and Policy Events organised by CIES

- Title: Becoming Organic: Nature and Agriculture in the Indian Himalaya - Book launch
- Date: 22.02.22
 - Description: Amid mounting concern about the environmental impact of agriculture, and burgeoning interest in sustainably produced food, the launch of Becoming Organic: Nature and Agriculture in the Indian Himalaya explores the social and bureaucratic life of organic quality. The launch will consider how organic can be understood not only as a physical property of land and its produce, but as something that is historically and socially produced and assembled within relationships that link farmers, soil, animals, and crops along with state authorities, private corporations, and new intermediaries across changing agrarian landscapes in India and beyond.
 - Audience: 73
 - Registration: 96

- Title: Accountability of International Organizations - Book Project Workshop
- Date: 7.03.22
 - Description: This was the second book project workshop held as part of the SNF project “Accountability of International Organizations”, led by Prof. Liliana Andonova (PI). The main purpose of the event was to bring together the professors who agreed to collaborate on the publication of a co-authored book on the accountability of International Organizations. During the workshop, Prof. Liliana Andonova (PI, IHEID Geneva), Prof. Julie Billaud (IHEID, Geneva), Prof. Eugenia da Conceição-Heldt (Technical University, München), Dr. Gergana Dimova (Senior Research Fellow, IHEID and XYZ), and Prof. Tamar Gutner (American University, Washington D.C.) presented their individual chapters and received feedback from the group, during a collective discussion on each individual contribution.
 - Participants: 6
 - Registration: N/A

- Title: Face au désert, cultiver la résilience
- Date: 23.03.22
 - Description: The Centre for International Environmental Studies had the pleasure to collaborate on an event for Sustainability Week Geneva on 23 March 2022 with Right Livelihood, Antenna Foundation, l’Association Archipel des Alizées, Biovision Foundation, and University of Geneva. The event featured a discussion with Yacouba Sawadogo, Burkinabe peasant winner of the 2018 Right Livelihood Prize (Alternative Nobel Prize) and 2020 United Nations Champion of the Earth. Through the story of the work of “The Man Who Stopped the Desert”, the event shed light on how he managed to bring life back to the arid fields of the Sahelian desert with ancestral traditional knowledge.
 - Followed by a panel discussion featuring Prof Christophe Gironde among other experts, the event featured a dialogue between different perspectives on issues of local experience, cooperation and public policies for a transition to food systems that are more respectful of the environment and people.
 - Audience: 84
 - Registration: 193
 - [Link](#) to event recording

- Title: Who owns Antarctica? The Geopolitics of the 7th continent
- Date: 05.04.22
 - Description: Antarctica, the world’s seventh continent, is seldom in the news. In popular imagination, it is a remote and inaccessible continent that has remained untouched. This conference challenged this conventional wisdom, arguing that it ignores not just current developments in Antarctica, but also its history. After all, commercial exploitation was at the origin of Antarctica’s discovery, with sealers and whalers being the first to chart the continent. Featuring some of the world’s top scholars on the polar regions, the conference explored the geopolitics of Antarctica and the race to claim its land and resources against a rapidly warming climate. It featured interventions from all renowned Antarctic and Arctic experts.
 - Audience: 69
 - Registration: 244
 - [Link](#) to event recording

- Title: NRP73 Research Retreat - “Sustainable Economy: Harnessing innovation, finance and skills for the low-carbon transition”
- Date: 06-08.04.22
 - Description: From 6th to 8th April 2022, the team of the NRP73 “Financing cleantech” research project, led by Joëlle Noailly (CIES) and Gaétan de Rassenfosse (EPFL), organised a research retreat, titled Sustainable Economy: Harnessing innovation, finance and skills for the low-carbon transition.
 - The interactive research retreat was an occasion for different project members and researchers to present their research papers and findings on cleantech topics. The three-day workshop featured presentations by Laura Nowzohour (CIES), Myra Mohnen (University of Ottawa), Julien Daubanes (University of Geneva), Maria Alsina Pujols (University of Zürich), Leon Bremer (VU Amsterdam), Eugenie Dugoua (LSE), Marion Dumas (LSE), and Gabriele Cristelli (EPFL). Antoine Dechezlepretre (OECD) and Adam Jaffe (Brandeis) also gave keynote presentations on ‘Driving low-carbon innovation for climate neutrality’ and ‘Technology policy and climate change’.
 - Audience: 12
 - Registration: N/A
 - [Link](#) to a website news post

Title: From Extraction to Emissions: How to write the history of fossil fuels in the Anthropocene?

- Date: 06.04.22
- Description: When fossils became fuels, the path toward the current crisis of climate change was set. Their use as an energy source, however, was neither inevitable nor predetermined but rather the result of complex historical processes and decisions. To truly understand the all-encompassing position they have come to take in modern societies, we must try to understand their entire lifecycle from extraction to emission and how these processes engendered dynamics of dependency and domination on our way into the Anthropocene. By approaching this topic from a perspective of the Global South, we want to highlight the global and interconnected character of this phenomenon as well as the importance of historical dynamics for our current situation and our future still unknown. With this, we not only seek to further our understanding of the climate change problem but also to provide a space for history as a discipline within these discussions.
- Audience: 20
- Registration: N/A

Title: The Search for Climate Leadership in a Time of Climate Crisis

- Date: 09.05.22
- Description: The film follows Professor Tim Flannery as he investigates how the politics of the global climate change negotiations determines our planet's future. In the film, Flannery enters dialogue with communities: from landowners, workers, fossil fuel companies to government. In so doing the film starts an ongoing dialogue with society.
- Audience: 55
- Registration: 151
- [Link](#) to a website news post and Q&A video recording

Title: Reframing perspectives: The carbon quota debate - the Geneva Debate

- Date: 13.05.22
- Description: On Friday 13th of May, the Geneva Debate, the Environmental Committee, and CIES co-hosted a debate on the motion: Assuming feasibility, this house would implement a carbon quota for individuals. Two student teams took opposing positions. The discussion was followed by an analysis of the debate by Professor Giacomo Luciani.
- Audience: 45
- Registration: 26

Title: Environmental Protection in Antarctica: Temptations and Accountability

- Description: Antarctica, the world's seventh continent, is seldom in the news. In popular imagination, it is a remote and inaccessible continent, whose environment remains pristine. This conference examined the extent to which real environmental protection has been achieved in Antarctica and the role of the Antarctic Treaty System (ATS).
- Featuring some of the world's top scholars, it explored how the international community might successfully ward-off competition for Antarctica's mineral and other resources. A very lively debate with the audience followed.
- Date: 31.05.22
- Audience: 35
- Registration: 90
- [Link](#) to event recording

Title: Climate Change Loss and Damage: An Emergency Economic, Finance and Trade Agenda for a Planet on Fire

- Date: 16.06.22
- Description: This event presented the key results of a new report which examines the economic losses attributable to climate change in economies of the Vulnerable Twenty Group (V20) over the last two decades. It also discussed its implications for the economies of climate vulnerable nations and International Geneva in areas such as development, human rights, migration, and trade. Beyond presenting the results of the report, the event sought to unpack what those results imply for climate vulnerable economies across the world and propose pathways to address economic loss and damage, including through innovative financing mechanisms.
- Audience: 58
- Registration: 121
- [Link](#) to event recording

Title: Book launch: Partnerships for Sustainability in Contemporary Global Governance

- Date: 6.09.2022.
- Description: On 5 September 2022, NORRAG co-hosted a hybrid event at the Geneva Graduate Institute with the Graduate Institute's Global Governance Centre (GGC) and the Centre for International Environmental Studies (CIES) for the launch of the new book Partnerships for Sustainability in Contemporary Global Governance: Pathways to Effectiveness which investigates the goals, ideals, and realities of sustainability partnerships and offers a theoretical framework to help disentangle the multiple and interrelated pathways that shape their effectiveness.
- Audience: 77
- Registration: 155
- [Link](#) to a website news post

Title: CIES welcome event in collaboration with EC

- Date: 20.09.2022
- Audience: 70
- Registration: 53

Title: World Food Day seminar in collaboration with FAO & WFP

- Date: 17.10.22
- Audience: 55
- Registration: N/A

Title: Conceptualising the arctic; a zone of peace or a zone of conflict?

- Date: 22.11.22
- Description: This conference explored what the future might look like for the Arctic region, and whether it would be a zone of peace or zone of conflict. It looked at current governance arrangements to examine whether they remained fit for purpose, and how the growing militarization of the Arctic is pitting NATO against non-NATO states.
- Audience: 44
- Registration: 103

Other Policy and Public Events with the Participation of CIES Faculty/Researchers

Acker, Antoine. Workshop organizer, "Table-ronde: Vers une histoire transatlantique de l'Anthropocène?" co-organized with Sébastien Rozeaux, University Toulouse, 2 March 2022.

Acker, Antoine. Panel chair, "Antropoceno," Cuidado y resiliencia dentro y más allá del Antropoceno: Enfoques latinoamericanos Conference, Maria Sibylla Merian Center for Advanced Latin American Studies (CALAS), Guadalajara, April 2022.

Acker, Antoine. Panel chair, "Indigenous and enslaved mobilities," Far from Freedom: Enslaved, Freed, Liberated, and Indentured Workers in the Americas and the Southern Atlantic World Conference, University of Geneva, June 2022.

Acker, Antoine. Panel organizer, "The Climate of History: from Theories to Actions," 6th Congress of the Swiss History Association, University of Geneva, July 2022.

Acker, Antoine. Panel chair, "Historia ambiental de las ciudades," Antropoceno urbano y sus transformaciones en América Latina Conference, Maria Sibylla Merian Center for Advanced Latin American Studies (CALAS), Buenos Aires, December 2022.

Acker, Antoine. Participant, "Wie Natur Historisieren?" podium roundtable of the 6th Congress of the Swiss History Association, University of Geneva, June-July 2022.

Acker, Antoine. Invited lecturer, "How to write the history of fossil fuels from extraction to emissions" (with Nathalia Capellini and Lukas Becker), Graduate Institute Geneva, April 2022.

Acker, Antoine. Invited lecturer, "Souveraineté, ressources, conservation : Pistes pour une histoire connectée du pétrole en Amérique latine," Histoire du Brésil XVIe-XXe siècle Seminar, EHESS Paris, February 2022.

Adams, William M. Presenter at Political Ecologies Seminar, “The political ecology of biodiversity: where’s the genome?” University of Lausanne (UNIL), 17 March 2022.

Adams, William M. Presenter at Nordic Observatory of Artificial Intelligence (NordAI) spring seminars on AI and environment, 2022, “AI and digital animal tracking technologies,” online, 29 March, 2022.

Adams, William M. Presenter at European Synthetic Biology Society, “Conservation in the era of synthetic biology,” online 8 June 2022.

Adams, William M. Presenter at University of Tübingen Chair for Ethics, Philosophy and History of the Life Sciences, Expert colloquium: “Genetic engineering for nature conservation? philosophical and ethical perspectives,” Tübingen, Germany, 21-22 June 2022.

Adams, William M. Keynote speaker at University of Oxford Technology Foresight Forum, “Novel genetic technologies in conservation,” St Anne’s College, Oxford, UK, 22 July 2022.

Andonova, Liliana. Invited presentation, “Partnerships for Sustainability in Contemporary Global Governance: Pathways to Effectiveness,” at Harvard University, February 2022.

Andonova, Liliana. Invited speaker, “Between Glasgow and Sharm el-Sheikh: The Impacts of COP26 Five Months On,” Sustainability Week, the Geneva Graduate Institute, 23 March 2022.

Andonova, Liliana. Invited presentation, workshop on “Public-private partnerships in epidemic preparedness and response,” London, organized by University of Oslo, April 2022.

Andonova, Liliana. Presentation, “Multistakeholder and Public-Private Partnerships,” project workshop on International Institutions, organized by Michael Barnett and Duncan Snidal, May 2022.

Andonova, Liliana. Discussant at workshop on Inter-Organizational Collaboration, organized by the World Bank and American University.

Andonova, Liliana. Member of the Scientific Advisory Board and paper discussion, Transform 2020 Annual Meeting, December 2022.

Archer, Matthew and Filipe Calvao. Co-organized with Asanda Benya (University of Cape Town) and Ndongo Sylla (Rosa Luxemburg Institute) a series of workshops on the lives and afterlives of extraction in connection with a special issue of International Development Policy, online, January 2022.

Archer, Matthew. Panelist, “Degrowth: The Answer for a Sustainable Future?” Sustainability Week, the Geneva Graduate Institute, 24 March 2022.

Archer, Matthew. Co-organized with Daniel Souleles, Morten Sørensen Thaning, and Sverre Raffnsøe (Copenhagen Business School) the Society for Economic Anthropology’s 42nd Annual Meeting, Copenhagen, June 2022.

Archer, Matthew and Filipe Calvao. Co-organized a panel on artificial intelligence and supply chains at the Royal Anthropological Institute’s 2022 Annual Meeting, online, June 2022.

Becker, Lukas. Roundtable participant, “Art, history, and environmental justice: a critical dialogue,” Global Environmental Justice conference, University of Aarhus, Denmark, 4 November 2022.

Calvão, Filipe. Speaker, “Mesa Redonda - Alumínio na Amazônia,” online, 3 September 2022.

Capellini, Nathalia. Invited presenter, “Construindo barragens na Amazônia: uma história ambiental (e política)” during the Workshop Ecoloxía Política das Paisaxes organized by CISPAC, University of Santiago de Compostela, Spain, 28 October 2022.

Capellini, Nathalia. Invited presenter, “Historicizar as barragens na Amazônia”, in the research group História e Natureza, Fiocruz University, Rio de Janeiro, Brazil, 13 May 2022.

Capellini, Nathalia. Invited presenter, “From Extraction to Emissions: How to write the history of fossil fuels in the Anthropocene?” event organised by “Anthroposouth” project in collaboration with the History and Politics Department, Geneva Graduate Institute, 6 April 2022.

CCapellini, Nathalia. Invited presenter, “Construindo barragens na Amazônia: uma história ambiental (e política)” during the Workshop Ecoloxía Política das Paisaxes organized by CISPAC, University of Santiago de Compostela, Spain, 28 October 2022.

Capellini, Nathalia. Invited presenter, “Comment mettre la nature en récit? Réflexions à partir de l’histoire environnementale des fleuves,” in the Séminaire de formation à la recherche sur l’Amérique Latine, EHESS, Paris, France, 9 March 2022.

Capellini, Nathalia. Invited presenter, “Les politiques publiques et la gouvernance des transitions écologiques: une revue systématique,” LIEPP Seminar, Sciences Po, Paris, France, 8 February 2022.

Capellini, Nathalia. Invited presenter, “The usefulness of thinking from construction sites,” 2022 European Society for Environmental History conference, University of Bristol, UK, 4-8 July 2022.

Capellini, Nathalia. Convener of the workshop “L’outil podcast : de la possibilité de discuter de la recherche ailleurs et autrement” in the 2nd edition of the exhibition “Hors Cadre” at the Humateque Campus Condorcet, Aubervilliers, France, 22 September 2022.

Capellini, Nathalia. Facilitator for the open public discussion “L’actu du Brésil decrypté” at the Bar Commun, Paris, France, during the Cycle ‘Penser l’actualité brésilienne, penser le temps présent depuis le Brésil’, 19 October 2022.

Capellini, Nathalia. Panelist in debate “Le Brésil, à l’heure de son Bicentenaire, est-il un géant déchu ?” of the Rencontres universitaires of the Biarritz Latin America Festival, France, 27 September 2022.

Capellini, Nathalia. Panelist, Film screening & panel discussion, “The Territory”, Geneva Graduate Institute, 5 May 2022

Capellini, Nathalia. Panelist, “Les enjeux environnementaux à l’aube de la nouvelle élection présidentielle au Brésil: bilan et perspectives,” International workshop, Campus Condorcet, Aubervilliers, France, 15-16 September 2022.

Capellini, Nathalia. Panelist, roundtable: “Art, history, and environmental justice: a critical dialogue,” 2nd Annual EHJustice Conference: Global Justice and Its Limits: Complexities of Time and Space, Aarhus University, Denmark, 3-5 November 2022.

Capellini, Nathalia. Panelist, “One refinery, different worlds. Ecological impacts and concerns during Europe’s energy transition to oil II,” 2022 European Society for Environmental History conference, University of Bristol, UK, 4-8 July 2022.

Capellini, Nathalia. Panelist, “Democracy and the Environment,” Outlook on Brazilian Democracy series, organized by UChicago CLAS and co-sponsored by the Chicago Center on Democracy, online, 18 May 2022.

Cayul, Pedro. Participant, “Indigenous People and Economics” workshop, organized by the Rare Voices in Economics Initiative, online, 21 March 2022.

Doose, Katja. Invited speaker, “The History of climate in Russia and the Soviet Union, 1890-1990,” Tracing the Anthropocene, University of Bern, 24 May 2022.

Doose, Katja. Invited speaker, “Negotiating Climate Research: Science Diplomacy during the Cold War,” EHESS, Paris, 14 June 2022.

Doose, Katja. Panel organizer, ESEH Annual Conference, “Agricultural failure or future grain boom - research on climate change and wheat production in the Soviet Union, 1970s-1991,” Bristol, UK, 5 July 2022.

Duberry, Jérôme. Speaker, WSIS TalkX: World Wildlife Day, 3 March 2022.

Duberry, Jérôme Speaker, “Swiss Alliance for PeaceTech: Integrating Expertise and Knowhow for Innovation at the Nexus of Science, Technology, and Peace” at Geneva Graduate Institute, Science Diplomacy Week, 19 May 2022.

Dunn, Matilda. Observer, Convention on Biological Diversity (CBD) pre-COP sessions: Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA-24), Subsidiary Body on Implementation (SBI-3) and Working Group 2020 (WG2020-3), Geneva, March 2022.

Fernandes, Marianna. Presentation, “Datified extractivism: reflections on the double extractive frontier in contemporary extractivist spaces,” Archives of the Planetary Mine Workshop, Stockholm, 14-15 November 2022.

Fernandes, Marianna. Presentation, “Tales of the extractivist ruins: reflections on care as a method to conduct research in socio-ecological disasters and tell stories that matter,” Global Environmental Justice and its Limits: Complexities of Time and Space Conference, EHJustice network, Aarhus University, Denmark (online), 3-5 November 2022.

Fernandes, Marianna. Co-organizer, “Anthropology and Supply Chains: Recurring Relations in Times of Crises”, SAA Annual Meeting “Give and Take – Anthropology as Exchange,” with Jonas Köppel, 10 November 2022.

Forclaz, Amalia Ribi. Speaker at Roundtable, “New Histories of the United Nations System,” UN Academic Council ACUNS 23-24 June 2022.

Forclaz, Amalia Ribi. Panel presentation together with Corinna Unger, “Pesticides, Towards an International History,” Journées Suisses d’histoire Geneva, 29 June 2022.

Forclaz, Amalia Ribi. Panel presentation, “Turning Points in Debating the Human-Environment Interaction between Science and Society,” 1 July 2022.

Forclaz, Amalia Ribi. Panel presentation, “Networks of Labour: International Officers and Social Networks in the History of the international Labour Organization,” on panel “Boundaries of Labour: Forced Labour, Managers and Self-Management,” ILO Conference, Rome, 28 October 2022.

Galvin, Shaila Seshia. Invited Talk. “Becoming Organic: Nature and Agriculture in the Indian Himalaya.” Free University of Brussels, online, 8 February 2022.

Galvin, Shaila Seshia. Conference co-organizer, “Climate Change and Agrarian Justice.” Conference co-convened by the Journal of Peasant Studies, Transnational Institute, and Collective of Agrarian Scholars from the Global South, online, 26-29 September 2022.

Galvin, Shaila Seshia. Discussant, “World’s on Edge: Emergent Relations on the Resource Frontier,” Annual meeting of the American Anthropological Association, Seattle, WA, 10 November 2022.

Gironde, Christophe. Panelist, “Face au désert, cultiver la résilience” organised as part of Sustainability Week, partnership with Fondation Antenna, l’Association Archipel des Alizées, Centre for International Environmental Studies (CIES), la Fondation Biovision, Right Livelihood et l’Université de Genève, 23 March 2022.

Gironde, Christophe. Presentation, “Agricultural commercialization, gender relations and food security in Cambodia,” organised by Louvain Cooperation, Louvain, Belgium, 23 May 2022.

Gironde, Christophe. Speaker at SWISSAID Genève, Table ronde “Le commerce international et son impact sur les petits paysans”, Geneva, 13 June 2022.

Gironde, Christophe. Invited lecturer at “Inception Workshop for research project on violence against environment defenders, addressing gender and ethnicity in research,” University of Geneva, 13 June 2022.

Gironde, Christophe. Organiser for “A conversation on civic engagement with activists from India,” with the Centre for Democracy & Student initiative on Asia, Geneva Graduate Institute, 7 October 2022.

Gironde, Christophe. Co-organiser and introduction note for World Food Day - Famine: Action & Prevention with FAO, 17 October 2022.

Hecht, Susanna. Lecturer, “Environmental Thinkers: New Paradigms, Old Challenges,” Perloff Lecture Series, January-May 2022.

Hecht, Susanna. Speaker, “Tropical Futures: Amazonia and its Conditions of Possibility,” University of Michigan, 31 March 2022.

Hecht, Susanna. Speaker, “The Future of the Future: Amazon Apocalypse and the Bolsonaro Legislative Agenda,” UCLA Center for Brazilian Studies, Cotzen Center for Archeology, 20 April 2022.

Hecht, Susanna. Speaker, “What Amazonian collapsology can tell us about History, Globalization and Actants in large scale shifts and tipping points,” Research Center Global Dynamics, Leipzig University, 27-29 April 2022.

Hecht, Susanna. Speaker, Presidential Panel, Latin American Studies Association. “Is there a Future for Amazonia. Conditionalities, Contingencies,” 8 May 2022.

Hecht, Susanna. Speaker, “The Quest for Environmental and Climate Justice,” UCLA Luskin School of Public Affairs, 12 May 2022.

Hecht, Susanna. Panelist, “Censorship and Resistance: The Cultural repression in Brazil,” with Petra Costa and Marcos Colon, UCLA School of Theatre, Film and Television, World Cultures and Arts, Center for Brazilian Studies (CBS), and Luskin Center for Democracy, 18 May 2022.

Hecht, Susanna. Speaker, “Summit of the Americas: Maintaining Democracy,” UCLA, 10 June 2022.

Hecht, Susanna. Speaker, “Amazon tipping points of politics and environments.” Sorbonne University, Paris, 4-16 September 2022.

Hecht, Susanna. Panelist, “Brazilian Elections and Socio-Political Implications and the Dynamics of Resistance,” UCLA Center for Brazilian Studies, 6 October 2022.

Hecht, Susanna. Speaker, “Governance and Environment: Advancing governance indicator systems,” UCLA-Berrgruen Foundation Conference, 10 October 2022.

Hecht, Susanna. Speaker, “Pecuaría e o imperialismo biológico,” Coimbra University, Portugal, 13 October 2022.

Hecht, Susanna. Speaker, “Brazil at 200: The Modern Environmental Questions,” Brazil at 200 Conference, University of Texas, Austin, 14 October 2022.

Hecht, Susanna. Panelist, Political Ecology Group: “Thinking with Nature: The livestock question and ecological imperialism,” University of Lausanne, 15 November 2022.

Hollway, James. Presenter, “Multimodal homophily”, Victoria University of Wellington, Wellington, 27 April 2022.

Hollway, James. Presenter, “Multimodal homophily”, Auckland University, Auckland, 12 May 2022.

Hollway, James. Instructor, “Goldfish”, International Network of Social Network Analysis, Cairns, 12 July 2022.

Hollway, James. Instructor, “Migraph”, International Network of Social Network Analysis, Cairns, 12 July 2022.

Hollway, James. Panel chair, “Political Networks”, International Network of Social Network Analysis, Cairns, 16 July 2022.

Hollway, James. Instructor, “Goldfish”, European Conference on Social Networks, London, 12 September 2022.

Hollway, James. Instructor, “Migraph”, European Conference on Social Networks, London, 12 September 2022.

Hollway, James. Presenter, “Multimodal homophily”, Imperial College London, London, 14 September 2022.

Hollway, James. Panel chair, “Political Networks”, European Conference on Social Networks, London, 16 September 2022.

Hollway, James. Presenter, “Resilience in Institutional Networks”, Change and Resilience in International Law Workshop, Céligny, 6 October 2022.

Hollway, James. Instructor, “Introduction to Social Networks”, Puidoux, 13 October 2022.

Hollway, James. Presenter, “Multimodal homophily”, University of Manchester, Manchester, 7 December 2022.

Hollway, James. Presenter, “The Philosophy of Many Packages”, University of Groningen, Groningen, 20 December 2022.

Hufty, Marc. Presenter at Environmental Peacebuilding 2nd International Conference, plenary panel “An Intergenerational Dialogue on Climate Change, Peace, and Conflict in the Anthropocene,” online, 4 February 2022.

Hufty, Marc. Discussant at “The Will of the People: Populism and Citizen Participation in Latin America” book launch, Geneva Graduate Institute, 5 October 2022.

Imelda. Speaker, Climate Economics Chair, Paris, online, 18 February 2022.

Imelda. Speaker, Energy & Environment Seminar, Energy Policy Research Group University of Cambridge (UK), 10 May 2022.

Imelda. Speaker, JPAL-SEA Environment Research to Policy Conference, Jakarta, Indonesia, 25 October 2022.

Köppel, Jonas. Panel co-organiser, “A ‘Green Deal’ for who? The promises and pitfalls of sustainable EU-LAC commodity chains in the wake of global transformations,” LASA2022, online, 5 May 2022.

Köppel, Jonas. Panel co-organiser, “Uncommon Explorations between Green Technologies, Climate Hopes, and the Anthropological Imagination,” EASA2022, Queen’s University Belfast, 27 July 2022.

Köppel, Jonas. Panel co-organiser, “Anthropology and Supply Chains: Recurring Relations in Times of Crises,” SAA Annual Meeting 2022, University of Neuchâtel, 12 November 2022.

Noailly, Joëlle and Nowzohour, Laura. Organised and led a workshop for NRP-73 project, “Sustainable Economy - Harnessing innovation, finance and skills for the low-carbon transition”, Morzine, France 6-9 April 2022.

Noailly, Joëlle. Presenter, “Does environmental policy uncertainty deter Greenfield FDI inflows to the US?” SURED 2022 - Monte Verità Conference on Sustainable Resource Use and Economic Dynamics, 6-9 June 2022.

Noailly, Joëlle. Panelist, “How can innovation in mining promote the energy transition,” Global Challenges for Innovation in Mining Industries, WIPO, 21 June 2022.

Noailly, Joëlle. Presenter, “Does environmental policy uncertainty hinder investments towards a low-carbon economy?” European Economic Association Annual Congress, Milan, 22-26 August 2022.

Noailly, Joëlle. Attended the European Association of Environmental and Resource Economics (EAERE) Annual Conference, Rimini, Italy, 28 June-1 July 2022.

Noailly, Joëlle. Attended the Swiss Impact Forum, B-Lab, Bern, 15 September 2022.

Ruysschaert, Denis. Moderator: SWISSAID Genève, roundtable, “Le commerce international et son impact sur les petits paysans,” Geneva, 13 June 2022.

Ruysschaert, Denis. Presentation, “Bornée forêt disparue,” at Cinéma du Film Vert, Geneva, 7 April 2022.

Ruysschaert, Denis. Presentation, “Genève, du pétrole à tout prix,” at Cinéma du Film Vert, Geneva, 2 April 2022.

Saab, Anne. Presentation on “‘Emotions and International Law,” Amsterdam Centre for International Law (University of Amsterdam), 17 January 2022.

Saab, Anne. Guest lecture on “Genetically Modified Crops (Specifically Monsanto’s DroughtGard)” in Prof Suerie Moon’s course, Technology, Power and Global Governance, 23 March 2022.

Saab, Anne. Co-organizer with Nicolas Angelet of the panel “The Climate Change Gap,” Annual Conference of the American Society for International Law, online, 7 April 2022.

Saab, Anne. Panelist, “The role of emotions in global governance of technologies,” Foreign Ministries Science Technology Advisors, Geneva Graduate Institute (organized in coordination with the Tech Hub), 13 October 2022.

Taylor, M., S. Eriksen, K. Vincent, N. Brooks, **Morgan Scoville-Simonds**, and L Schipper. Presentation, “Putting ‘vulnerable groups’ at the centre of adaptation interventions by promoting transformative adaptation as a learning process,” Norwegian Agency for Development Cooperation (Norad), 23 May 2022.

Scoville-Simonds, Morgan and Köppel, Jonas. Presentation, “Dreams, realities, or recurring nightmares? Comparing battery socio-technical imaginaries between Latin America and Europe”, Congress of the Latin American Studies Association, 5 May 2022.

Scoville-Simonds, Morgan. Conference Co-organizer, “Lithium Crossroads (Las encrucijadas del litio)”, multi-stakeholder conference, University of San Martin, Buenos Aires, Argentina, 24-26 October 2022.

Scoville-Simonds, Morgan. Coordinator and panel lead, “Lithium Crossroads: Social – science – policy laboratory,” focus group engagement session with diverse stakeholders, University of San Martin, Buenos Aires, Argentina, 25 October 2022.

Scoville-Simonds, Morgan. Panelist, “Batteries as a Global Driver of Sustainable Change – For Better, or for Worse?” Arendalsuka Seminar, University of Agder, Arendal, Norway, 16 August 2022.

Scoville-Simonds, Morgan. Presentation, “Knowledge (dis)connects in climate and energy narratives.” AdaptationCONNECTS final seminar. University of Oslo, 20 June 2022.

Shi, Feiyang. Participated in summer program at Istituto Di Studi Economici E Per L’Occupazione at ISEO, Brescia, Italy, 18-25 June 2022.

Silva, Diego. Presenter, “Accounting for nature: mitigation and agriculture in the era of global climate change,” Landmark EU Horizon Project, online, 10 February 2022.

Silva, Diego. Presenter, “Climate resilient seed-worlds: the promise of environmental customization and climate resilience in novel industrial seed systems,” Université de Strasbourg. Séminaire Environnements, Santé, Biologies, 27 April 2022.

Silva, Diego. Guest lecture, “Drought-Argentinian agriculture and seed biotechnologies in times of climate change” in course, “Development and the Environment – From the Local to the Global,” Université de Genève (UNIGE), 18 May 2022.

Silva, Diego. Co-organizer with Nelsa de la Hoz, Benno Fladvad, Laura Gutiérrez, Nathalia Hernández Vidal, Martina Hasenfratz: Workshop, “Climate Coloniality: Mechanisms, Epistemologies, Spaces of Resistance,” Center for Advanced Studies at Universität Hamburg, Germany, 22-24 November 2022.

Swanson, Timothy. Panelist, “Synthetic biology: towards new geopolitical and economic frontiers,” in partnership with the Geneva Science and Diplomacy Anticipator (GESDA), 12 October 2022.

Tan, Jael. Workshop participant, “Migraph,” Sunbelt Conference 2022, Cairns, Australia, 4 July 2022.

Tan, Jael. Workshop participant, “Migraph,” European Conference on Social Networks, London, UK, 12 September 2022.

Annex 11: Public Impact, Partnerships and Relation with International Geneva

25 February 2022: TV5MONDE, “ 25.02.2022 - TV5MONDE - “Des Elephants et des Hommes.” Marc Hufty.

31 March 2022: Elástica: “A agenda ambiental da ditadura militar brasileira,” Nathalia Capellini.

April 2022: Revue Globe, Geneva Graduate Institute: “COP26 - The Road after Glasgow,” Joëlle Noailly.

29 April 2022: The Washington Post, “Devouring the Rainforest”. Antoine Acker.

30 May 2022. A Folha de São Paulo, “Acusação de mão de obra escrava em fazenda da Volkswagen foi feita por padre nos anos 1980”. Antoine Acker.

6 June 2022. Migazin, “Ermittlungen wegen Sklaverei auf ‘Musterfarm’ in Brasilien,” Antoine Acker.

14 June 2022. Le Monde, “Le passé esclavagiste de Volkswagen devant la justice brésilienne,” Antoine Acker.

15 June 2022. RTBF, “L’autre scandale Volkswagen : les anciennes pratiques esclavagistes de l’entreprise dans le viseur de la justice brésilienne,” Antoine Acker

22 August 2022: IntraFish, “Threat of violence still hangs over Chile’s farmed salmon industry ahead of new constitution vote,” Pedro Cayul.

3 September 2022: FRANCE 24, “Gabon: les ravages du pétrole low-cost,” Filipe Calv o.

21 September 2022: Radio France, “Épisode 3/4 : De l’Amazonie au Cerrado : l’agrobusiness fait la loi,” Nathalia Capellini.

27 September 2022: RFI, “Festival de Cinema de Biarritz: especialistas debatem tensão política no Brasil às vésperas das eleições,” Nathalia Capellini.

29 September 2022: Le Temps: “Joëlle Noailly: «Pour faire sauter le «verrou du carbone», il faut changer le système en profondeur»,” Joëlle Noailly.

3 October 2022: RTS 19h30. Marc Hufty.

4 October 2022: Tribune de Genève: “Bolsonaro a instillé la peur de Lula.” Marc Hufty.

27 October 2022: Noticias UNSAM: “Litio: Oportunidades y Desafíos Frente a la Transición Energética.” Marc Hufty.

30 October 2022: Reforma: “El Estado no puede solo con el litio.” Marc Hufty.

1 November 2022: RTS, “Grand débat - Brésil: Lula peut-il sauver l’Amazonie,” Nathalia Capellini.

1 November 2022: Tribune de Genève: “Les Brésiliens attendent un retour aux bonnes années.” Marc Hufty.

7 November 2022: Le Temps: 7.11.2022 - Le Temps: “A l’ouverture de la COP27, la pression monte sur les pays riches,” Joëlle Noailly.

3 December 2022: Le Temps, “Doit-on placer un tiers de la planète sous cloche?” Marc Hufty.

5 December 2022: Afrique XXI: “Au Gabon, un ‘greenwashing’ qui sent le brut,” Filipe Calv o.

Annex 12: Chapters Authored by CIES Faculty in the 2022 IPCC Report

WG3: Mitigation of Climate Change

- Chapter 1 (Introduction and framing): Liliana Andonova, “The Comparative Politics of Transnational Climate 4 Governance”
- Chapter 1 (Introduction and framing): Marc Hufty, “Investigating Policy Processes: The Governance Analytical Framework (GAF)”
- Chapter 2 (Emission trends and drivers): Liliana Andonova, “What We Know (and Could Know) About International Environmental Agreements”
- Chapter 8 (Urban systems): Liliana Andonova, “The Comparative Politics of Transnational Climate Governance”
- Chapter 14 (International cooperation): Liliana Andonova, Governance Entrepreneurs - International Organizations and the Rise of Global Public-Private Partnerships
- Chapter 14 (International cooperation): Bill Adams, “Biodiversity co-benefits of policies to reduce forest6 carbon emissions”
- Chapter 16 (Innovation, technology development and transfer): Joëlle Noailly “Improving the energy efficiency of buildings: The impact of environmental policy on technological innovation”
- Chapter 16 (Innovation, technology development and transfer): Joëlle Noailly “Directing technical change from fossil-fuel to renewable energy innovation: An application using firm-level patent data”
- Chapter 16 (Innovation, technology development and transfer): Tim Swanson “Will Technological Change Save the World? The Rebound Effect in International Transfers of Technology”

WG2: Impacts, Adaptation and Vulnerability

- Chapter 5 (Food, Fibre, and other Ecosystem Products): Marc Hufty and Morgan Scoville-Simonds “The Hazards of Mainstreaming: Climate change adaptation politics in three dimensions”
- Chapter 6 (Cities, Settlements and Key Infrastructure): Marc Hufty and Morgan Scoville-Simonds “The Hazards of Mainstreaming: Climate change adaptation politics in three dimensions”
- Chapter 8 (Poverty, Livelihoods and Sustainable Development): Susanna Hecht Firing up: Policy, politics and polemics under new and old burning regimes
- Chapter 8 (Poverty, Livelihoods and Sustainable Development): Susanna Hecht Indigenous Soil Management and the Creation of Amazonian Dark Earths: Implications of Kayapó Practice
- Chapter 12 (Central and South America): Susanna Hecht Indigenous Soil Management and the Creation of Amazonian Dark Earths: Implications of Kayapó Practice
- Chapter 12 (Central and South America): Susanna Hecht Domestication, domesticated landscapes, and tropical natures
- Chapter 12 (Central and South America): Marc Hufty & Morgan Scoville-Simonds “The Hazards of Mainstreaming: Climate change adaptation politics in three dimensions”
- Chapter 13 (Europe): Marc Hufty and Morgan Scoville-Simonds “The Hazards of Mainstreaming: Climate change adaptation politics in three dimensions”
- Chapter 18 (Climate Resilient Development Pathways): Marc Hufty & Morgan Scoville-Simonds “The Hazards of Mainstreaming: Climate change adaptation politics in three dimensions”
- Cross-chapter paper 7: Tim Swanson “An Evaluation of the Impact of the Natural Forest Protection Programme on Rural Household Livelihoods”

