



THE
GRADUATE
INSTITUTE
GENEVA

CENTRE FOR
INTERNATIONAL
ENVIRONMENTAL
STUDIES

CIES 2021 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

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Major accomplishments and developments

The Centre for International Environmental Studies in 2021:



We are pleased to share the CIES 2021 Annual Report in a new format. The report highlights our key achievements of the year and presents featured projects and publications. For more detailed information, the report allows you to link to our website and publications and to access the complete list of CIES activities in the Annex.

In 2021, we continued our work on existing research projects and expanded our area of expertise in the research programme “Resources and Development” by starting 3 new projects: Synthetic Lives: The Future of Mining (Filipe Calvao, ERC Starting, EUR 1.5 million), Anthrosouth: Latin American Oil Revolutions in the Development Century (Antoine Acker, SNF Eccelenzia, CHF 1.8 million), Green Dealings: Negotiating Lithium between South America and Europe for Batteries that Fuel a Just Transition (Marc Hufty, SNIS, CHF 266'000). All of these projects will give students the opportunity to get involved as Research Assistants (RA) within the CIES. In 2021, 14 PhD candidates and 8 Master’s students were employed as RAs within the centre.

As the Covid-19 pandemic still ruled our lives in 2021, the CIES administrative team quickly adapted to move many of our activities and public events in online and hybrid formats. We continued our efforts to disseminate our results to a broader audience by launching our Twitter channel. We are very proud to see that our insights have met a growing interest and audience along the year, having reached about 4000 subscribers to our CIES Publication Newsletters.

Our faculty members have had a busy year in sharing their expertise in the media, notably on the COP26 in Glasgow, and on publishing their research in top-leading journals. In this CIES 2021 Annual Report we evaluate for the first time the scientific quality of our publications based on journal rankings and their societal impact based on Altmetric data. This year, about 40% of our published articles were in A-ranked journals according to CERES and 20% were in the top 5% of all research output attention scores on Altmetric.

Staffing of the centre



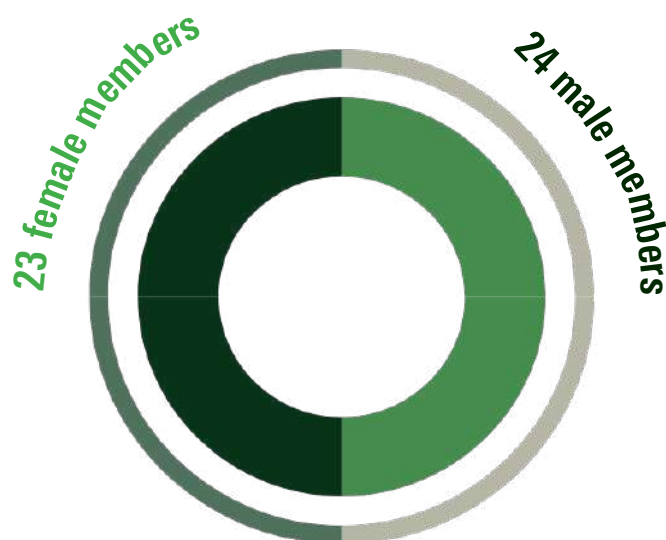
From left to right: Andhina Irminger-Kusumawidjaja, Imelda, Timothy Swanson, Susanna Hecht, James Hollway, Joëlle Noailly, Anne Saab, Shaila Seshia Galvin, Iida Lehto, Isabel Garcia-Godoy | *Not in the photograph:* Liliana Andonova, Bill Adams, Marc Hufty, Amalia Ribí-Forclaz, Antoine Acker, Christophe Gironde, Filipe Calvão

47 Total members

29 Researchers

14 Faculty members

4 administrative staff members



Executive Committee and faculty members

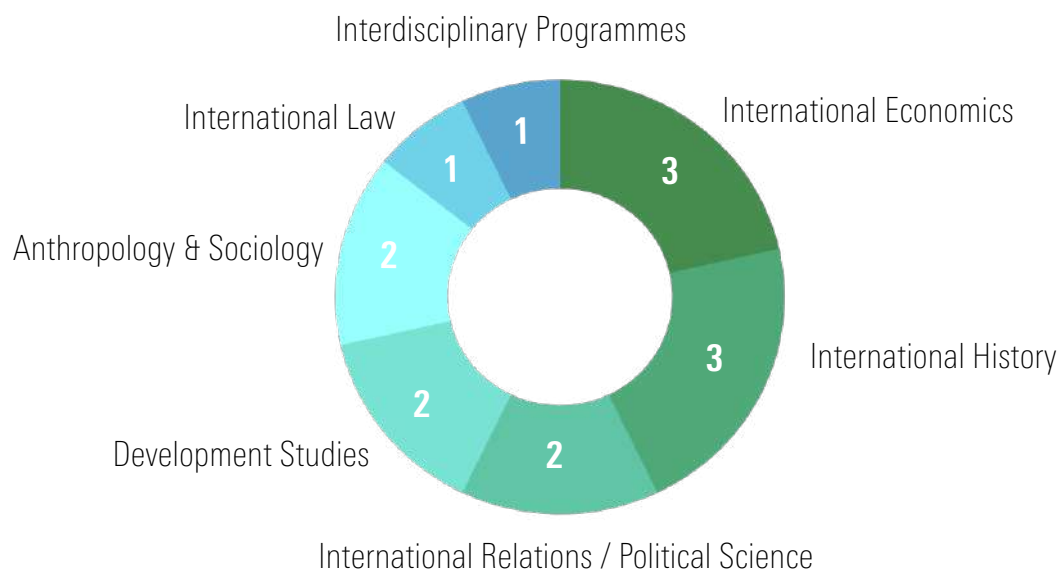
The Centre is led by an interdisciplinary Executive Committee of Professors at the Institute appointed in the area of environment:

- Timothy Swanson, Co-Director of CIES
- Liliana Andonova, 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

CIES administration includes 4 members of staff:

- Joëlle Noailly, Head of Research of CIES
- Andhina Irminger-Kusumawidjaja, Senior Coordinator
- Isabel Garcia-Godoy, Administrative Coordinator
- Iida Lehto, Communications Assistant

CIES researchers

In 2021, the Centre's staff was composed of 5 postdoctoral researchers, 14 PhD candidates, 8 research assistants, and 1 visiting fellow. Please refer to Annex 1 for the list of names of the Centre staff..

In 2021, three PhD Candidates successfully completed their PhDs:



Name: Roxana Elena Manea, PhD Candidate in Development Economics
PhD thesis: [“The Impact of Compulsory School Laws in a Developing Country Context: Examining Impacts and Explanations in Sub-Saharan Africa”](#)
Supervisors: Prof. Timothy Swanson & Prof. Martina Viarengo
Thesis defense date: March 2021
Current position: Field Coordinator at World Bank, Sudan



[Read an interview with Roxana Elena Manea](#)



Name: Nicholas Brown Tyack, PhD Candidate in Development Economics
PhD thesis: [“Genetic Resources and Agricultural Productivity in the Developing World”](#) (To access the PhD thesis please contact Dr Tyack, nicholas.tyack@usask.ca)
Supervisors: Prof. Timothy Swanson & Prof. Jean-Louis Arcand
Thesis defense date: September 2021
Current position: Van Vliet Professor of Agricultural Economics at the University of Saskatchewan, Canada



[Read an interview with Nicholas Brown Tyack](#)



Name: Michele Sollai, PhD Candidate in International History
PhD thesis: [“The Thin Green Line: Farmers, Experts, and the Practice of Agrarian Development in Ethiopia \(1930s–1950s\).”](#) (To access the PhD thesis please contact Dr Sollai, michele.sollai@graduateinstitute.ch)
Supervisor & 2nd Reader: Prof. Amalia Ribì Forclaz & Prof. Davide Rodogno
Thesis defense date: October 2021
Position: Project assistant in the CIES “Anthroposouth” project until December 2021



[Read an interview with Michele Sollai](#)

MINT Environmental track teaching



14 professors affiliated with the CIES



20 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 2021, the Environment, Resources and Sustainability Track of the MINT programmes were headed by CIES faculty Susanna Hecht (Fall 20/Spring 21) and Timothy Swanson and Bill Adams (Fall 21/Spring 22). The list of courses by CIES faculty regularly taught in the MINT programmes can be found in Annex 2.



103 MINT students chose Environment, Resources and Sustainability as their main specialisation (67 MDEV and 36 MIA)

50 MINT students chose it as their second specialisation (21 MDEV and 29 MIA)



12 Applied Research Capstone projects on environmental topics

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

Price for best presentation: "Crowdfunding for Clean Technologies", a capstone project at CIES involved with the NRP73 project. Members: Khaliun Purevsuren, Ryota Taniguchi, Florian Duriaux, Sarayu Krishnan. Project partner: Joëlle Noailly, Head of Research of CIES.

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

Under these programmes, there were 12 active and ongoing projects in 2021 that were externally funded from diverse sources, including Swiss public research funding organizations (SNSF and SNIS) and private foundations. Four new projects started in 2021 – “Synthetic Lives: The Futures of Mining”; “Accounting for Nature: Agriculture and Mitigation in the Era of Global Climate Change”; “Green Dealings? Negotiating Lithium between South America and Europe for Batteries that Fuel a Just Energy Transition”; and “Anthroposouth: Latin American Oil Revolutions in the Development Century”.



13 ongoing projects in 2021



5 new projects started in 2021



2 completed projects in 2021



5 project proposals submitted in 2021
(2 accepted, 1 declined, 2 under review)



Total research funding of all ongoing projects in 2021: 8'165'536 CHF

In 2021, the project “Reshaping Lithium Battery Negotiations between Latin America and Europe: Towards a Research Agenda for a Sustainable and Just Energy Transition” has been awarded and is aimed to start in January 2022. It is linked to the ongoing project “Green Dealings? Negotiating Lithium between South America and Europe for Batteries that Fuel a Just Energy Transition”. Both are led by Professor Marc Hufty.

For a full list of ongoing projects, proposals submitted and projects completed in 2021, please refer to Annexes 3, 4 & 5.

Projects launched in 2021

1. SYNTHETIC LIVES: THE FUTURES OF MINING



PROJECT DESCRIPTION:

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?

- FILIPE CALVÃO, Associate Professor in Anthropology and Sociology, Graduate Institute (main applicant)
- MATTHEW ARCHER, Postdoctoral Researcher, ANSO
- PhD Candidate (joining the team in 2022)
- Funded by the European Research Council (ERC): EUR 1.5 million; selected through a competitive process
- Project duration: May 2021 - April 2026

NEWS, EVENTS, PUBLICATIONS:

News : [New European Research Council \(ERC\) Grant at CIES](#)

News : [From Ashes to Diamonds: Making Lab-Grown Afterlife](#)

2. ACCOUNTING FOR NATURE: AGRICULTURE & MITIGATION IN THE ERA OF GLOBAL CLIMATE CHANGE



PROJECT DESCRIPTION:

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.

- SHAILA SESHIA GALVIN, Associate Professor in Anthropology and Sociology, Graduate Institute (main applicant)
- DIEGO SILVA, Postdoctoral Researcher, ANSO
- JOHN PAULRAJ, PhD candidate, ANSO, Research Assistant
- Funded by the SNSF: CHF 811'818; selected through a competitive process
- Project duration: September 2021 to August 2025
- [Project website](#)

RELATED NEWS, EVENTS, PUBLICATIONS:

News : [New SNF grant for Prof. Shaila Seshia Galvin](#)

News : [Accounting for Nature Project Kick-Off](#)

Publication : ["Becoming Organic: nature and agriculture in the Indian Himalaya"](#)

Event : [Book launch, online event by Cornell University \(full video available\)](#)

3. GREEN DEALINGS? NEGOTIATING LITHIUM BETWEEN SOUTH AMERICA & EUROPE FOR BATTERIES THAT FUEL A JUST 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. 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.

- MARC HUFTY, Professor in Development Studies, 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

RELATED NEWS, EVENTS, PUBLICATIONS:

News : [New SNIS Project for Prof. March Hufty](#)

News : [Green Dealings Project Kick-Off](#)

Video : [Lithium – the positive and negative of its trade for batteries, in view of a just energy transition](#)

4. 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. The key questions at the heart of the project are:

1. How did patterns of fossil dependence emerge and develop in a peripheral world region such as Latin America and how does this qualify Latin American connections to a global historical trend of energy development, exhaustion of mineral resources, and ultimately climate change?
2. How can historians study and learn from the agency, expectations and hopes of actors of the Global South regarding energy questions, without making them responsible for processes of pollution in which their historically cumulated share is statistically small?

- ANTOINE ACKER, Swiss National Science Foundation Eccellenza Professorial Fellow, 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
- MICHELE SOLLAI, PhD Candidate, International History and Politics, Project Assistant
- Funded by the SNSF Eccellenza Professorial Fellowship: CHF 1'839'881; selected through a competitive process
- Project duration: September 2021 to August 2026

RELATED NEWS, EVENTS, PUBLICATIONS:

News: [New SNSF Grant for “Anthroposouth” project](#)

5. INTERNATIONAL INSTITUTIONS FOR CLIMATE FINANCE



PROJECT DESCRIPTION:

The aim of this scientific exchange visit was to explore collaborative opportunities and a new project related to international climate institutions and climate finance. The research exchange was hosted by the UCLA Luskin Institute. One of the main objectives has been to elaborate a conceptual framework and methodology to advance research that would illuminate the political drivers of different institutional modalities for climate finance and policy alternatives. A collaborative approach that brings together perspectives from political science and public affairs would allow constructing a research agenda that is innovative and has a broad resonance, both for the study of international relations and for public policy.

- Project Investigator: LILIANA ANDONOVA, CIES Co-director and Professor in International Relations and Political Science (IR/PS), Graduate Institute
- Funded by the SNF - International Exchange Grant: CHF 19'500; selected through a competitive process
- Project duration: December 2021 to January 2022

Research output

In 2021, CIES researchers produced a total of **79 publications**.



CIES researchers published **3 books**



Contributed to **6 book chapters**



Published **30 academic articles in scientifically refereed journals**



Published **9 policy-oriented research papers**



Another 11 articles and book contributions have been accepted for publication in 2021 and will be published in 2022



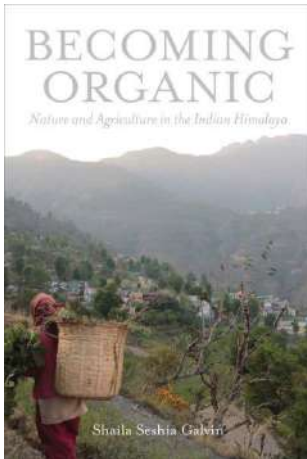
13 CIES publications in the Research Papers, Policy Briefs and Research Briefs series were authored or co-authored by CIES staff

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

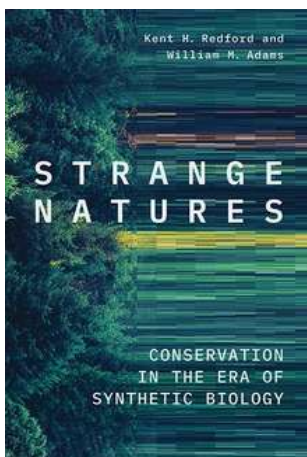
Books



Galvin, Shaila Seshia. (2021). **Becoming Organic: Nature and Agriculture in the Indian Himalayas.** Yale University Press.

“A rich, original study of the social and bureaucratic life of organic quality that challenges assumptions of what organic means.”

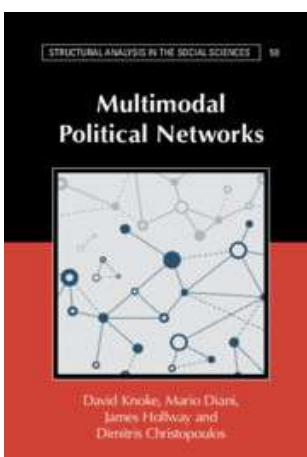
Shaila Seshia Galvin examines certified organic agriculture in India’s central Himalayas, revealing how organic is less a material property of land or its produce than a quality produced in discursive, regulatory, and affective registers. *Becoming Organic* is a nuanced account of development practice in rural India, as it has unfolded through complex relationships forged among state authorities, private corporations, and new agrarian intermediaries.



Redford, K. H., & **Adams, William M.** (2021). **Strange Natures: conservation in the era of synthetic biology.** Yale University Press.

“A groundbreaking examination of the implications of synthetic biology for biodiversity conservation.”

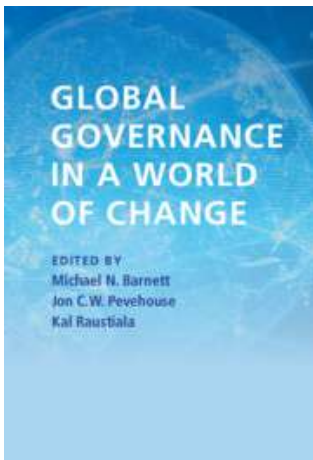
Nature almost everywhere survives on human terms. The distinction between what is natural and what is human-made, which has informed conservation for centuries, has become blurred. When scientists can reshape genes more or less at will, what does it mean to conserve nature? The tools of synthetic biology are changing the way we answer that question. Gene editing technology is already transforming the agriculture and biotechnology industries. What happens if synthetic biology is also used in conservation to control invasive species, fight wildlife disease, or even bring extinct species back from the dead? Kent Redford and Bill Adams turn to synthetic biology, ecological restoration, political ecology, and de-extinction studies and propose a thoroughly innovative vision for protecting nature (Yale University Press, June 2021).



Knoke, D., Diani, M., **Hollway, James,** & Christopoulos, D. (2021). **Multimodal Political Networks** (1st ed.). Cambridge University Press.

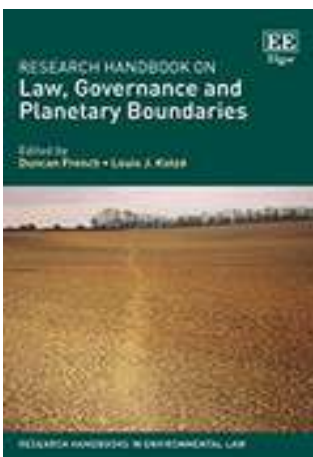
This book synthesises new understandings of multimodal political networks: what they are, how to measure and analyse them, and what they can reveal about political structures and actions. ‘Multimodal networks’ consist of two or more types of social entities, such as individual or collective actors or physical or virtual objects, and the relations connecting them. Complexity arises because actors interact with one another not only directly, but also indirectly through other modes.

Book chapters



Andonova, Liliana. B. (2021) **“Clean Energy and the Hybridization of Global Governance.”** In Barnett, M. N., Pevehouse, J. C. W., and Raustiala, K. (Eds.), *Global governance in a world of change*. Cambridge University Press.

Liliana Andonova examines the making of a new sphere for clean energy governance, and takes an intertemporal perspective to identify three distinct stages in its politics. The first stage occurred through transnational network-based initiatives in the 1990s and early 2000s. The second period marked a shift in interest and consensus among powerful actors, resulting in the creation of a new international hierarchy dedicated to renewable energy by the end of 2010. The third stage marked the articulation of norms through the Clean Energy for All framework and the adoption of the Sustainable Development Goal 7 on Affordable and Clean Energy. These policy moves demarcated and institutionalized a new, layered, and evolving sphere of governance of networks, hierarchies, and hybrid arrangements.



Piselli, Dario, and van Asselt, H. (2021). **“Planetary boundaries and regime interaction in international law.”** In D. French & L. J. Kotzé (Eds.), *Research Handbook on Law, Governance and Planetary Boundaries*. Edward Elgar.

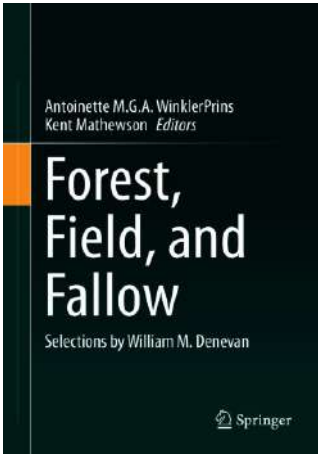
Dario Piselli and Harro van Asselt lay the foundations for examining the relationship between international law and the planetary boundaries. Biophysical interactions in Earth systems raise important questions for the international legal regimes: what effect do governance interactions have on the complex feedbacks and loops that occur between planetary boundaries? And what tools does international law offer to manage these interacting regimes? The chapter draws on two case studies of coupled planetary boundaries – related to interactions between climate change and stratospheric ozone depletion on the one hand, and freshwater use and biogeochemical flows on the other.



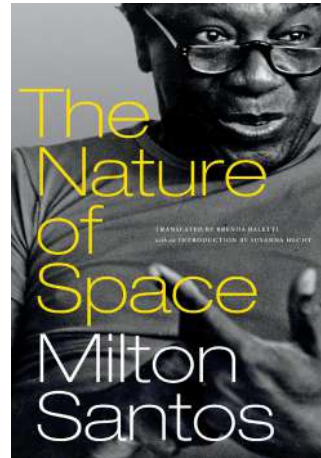
Acker, Antoine. (2021). **“Den Amazonas konsumieren.”** In Stefan Peters and others (Eds.), *Krisenklima: Umweltkonflikte aus lateinamerikanischer Perspektive*. Nomos.



Hufty, Marc. (2021). **“Indigenous and local people.”** In Morin, J.-F., & Orsini, A. (Eds.), *Essential Concepts of Global Environmental Governance* (pp.95-98). Routledge.



Hecht, Susanna. (2021). **“Human Environmental Impacts Introducer: Susanna B. Hecht.”** In A. M. G. A. WinklerPrins & K. Mathewson (Eds.), *Forest, Field, and Fallow: Selections by William M. Denevan* (pp. 165–210). Springer International Publishing.



Hecht, Susanna. (2021). **“Milton Santos: Rebel of the Backlands, Insurgent Academic, Prescient Scholar.”** In *The Nature of Space* (pp. vi–xvii). Duke University Press.

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 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.



40% of the journals had an A-ranking on CERES
25% of the journals had a B-ranking on CERES



45% of articles were in the top 25% of all research output attention scores on Altmetric
20% of articles were in the top 5% of all research output attention scores on Altmetric

Featured articles *(full list available in Annexes 6 and 7)*



Calvão, Filipe, & Archer, Matthew. (2021). **“Digital extraction: Blockchain traceability in mineral supply chains.”** *Political Geography* 87(102381). <https://doi.org/10.1016/j>

Since the mid-2010s, the mining industry began rolling out digital-based certification technologies across mineral supply chains. Blockchain technology, entered the industry as an alternative to paper-based certification with the promise of surrendering the need for intermediaries or trusted partners to verify, audit or certify supply chain information. Mobilising concepts from political geography and political ecology, Filipe Calvão and Matthew Archer argue that such processes of ‘digital extraction’ potentially creates new forms of control and exclusion or exacerbates existing social, political and territorial dispossession.

Galvin, Shaila Seshia. (2021). **“Subsistence, Justice, Precarity: Revisiting the Moral Economy of the Peasant.”** *Journal of Asian Studies* 80 (2): 391–397. <https://doi.org/10.1017/S0021911821000061>.



This article examines the significance of the book, *The Moral Economy of the Peasant*. The book describes the social and cultural repertoires through which Southeast Asian peasantries struggled in the 1930s to dampen the ripples and torrents of political and economic change, in an effort to keep their heads above water. In the years since its publication, and despite this seemingly delimited focus, the book has generated considerable ripples of its own. A number of excellent reviews have delved deeply into the origins, inspiration, and impact of this work. Building on these, Shaila Seshia Galvin attempts to grapple with its intellectual energy, to understand something of how *The Moral Economy of the Peasant* became, and remains, a touchstone within and beyond the interdisciplinary field of Asian studies (in *The Journal of Asian Studies*, vol. 80, no. 2, May 2021).



Gironde, Christophe, Reysoo, F, Torrico Ramirez, A., & Suon, S. (2021). **“No Cash, No Food. Gendered Reorganization of Livelihoods and Food Security in Cambodia.”** *The Journal of Peasant Studies*, 1–22. <https://doi.org/10.1080/03066150.2021.1960826>.

Agricultural commercialization, which consists of an increasing share of crop grown for sale rather than for self-consumption, is often believed to be detrimental to women. Looking at the case of Cambodia, this article finds that agricultural commercialization led to women to engage in wage work out of necessity, providing them with some autonomy. At the same time, women remain dependent on men’s income to prepare meals, whereas they have lost free access to food from the wild. “No Cash, No Food” turns out to be the new normal, creating new vulnerabilities.

Noailly, Joëlle, & Smeets, R. (2021). **“Financing Energy Innovation: Internal Finance and the Direction of Technical Change.”** *Environmental and Resource Economics*. <https://doi.org/10.1007/s10640-021-00602-9>.



Clean energy technologies, such as solar, wind, marine or geothermal technologies, are often perceived as more risky by investors than fossil-fuel technologies - mainly because they are less mature and more heavily dependent on fluctuating policy support. Linking data on firms’ balance sheets and patenting activities, this study confirms that firms innovating in renewable energy - even large and established ones - are more financially constrained than firms innovating in fossil-fuels. Finance is thus key for a forceful change of path towards clean technologies.

Research papers, policy papers and other publications

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



Naso, Pedro, Haznedar, O. Lanz, B., & **Swanson, Timothy**. (2021). **“Food security in the long-run: A macroeconomic approach to land use policy.”** CIES Research Paper series, 71-2021. Centre for International Environmental Studies, The Graduate Institute.

Using a macroeconomic model (MAVA), Naso, Haznedar, Lanz and Swanson demonstrate that it may be possible to provide both for food security and environmental services in the long run (CIES Research Paper no. 71, November 2021). They first show that it may be possible to provide for food security with very substantial constraints on the amount of land used in agriculture with relatively minor welfare losses. They then show that global policies that reallocate labour across sectors of the economy may have the capacity for directing the economy toward reduced reliance on land in agriculture. Focusing on education, research and development, and fertility costs may be the best way to meet these combined goals.

Featured CIES Policy Brief



van den Heuvel, Matthias & Rassenfosse, G.D. (2021). **“Venture competitions could help spur the cleantech revolution in Switzerland.”** CIES Policy Brief 7, Spring 2021.

Venture competitions offer participating startups important benefits. They supply funds to the winning startups at a stage where acquiring financing is challenging. But they also act as certification of startup quality, providing valuable information about a startup’s probability of success to both founders and investors.

Featured CIES Research Briefs



Cayul, Pedro, Corvalán, A., Jaimovich, D., & Pazzona, M. (2021). **“Introducing MACEDA: new micro-data on an indigenous self-determination conflict.”** CIES Research Brief 7, Spring 2021.

This research brief introduces MACEDA, a micro-level date set recording more than 2'000 conflict events between Mapuche communities and the Chilean government since the 1990s. The dataset can help inform research on self-determination of indigenous populations and land invasions in Chile.




Piselli, Dario. (2021). **“Are partnerships effective in advancing the Sustainable Development Goals ?”**
CIES Research Brief 6, Spring 2021.

Partnerships between public and non-state actors have gained momentum as mechanisms of governance across multiple scales and levels. This Policy Brief summarises the key findings of the research project on ‘Effectiveness of Partnerships for Advancing the SDGs’ and identifies a set of pathways that can be used to gain a broad understanding of partnerships’ effectiveness.

Datasets

The CIES is engaged to promote initiatives with regard to open research practices and encourage its members to make their data openly accessible.

MACEDA created by **Pedro Cayul**, A. Corvalán, D. Jaimovich, & M. Pazzona introduces the first micro-data focused on an indigenous self-determination conflict for the dispute between the Chilean state and the indigenous Mapuche in the south of Chile. MACEDA covers the period 1990-2016, including more than 2,600 events collected from local media.


 [Read more here](#)



iheiddown created by **James Hollway** is an R package that provides templates and tools for authoring Graduate Institute theses and thesis chapters, presentations, problem sets, and syllabi.

 [Access here](#)

As part of the NRP73 project, supported by SNSF, **Joëlle Noailly**, **Laura M. Nowzohour** and **Matthias van den Heuvel** have created a dataset describing a monthly **Environmental Policy index** for the United States over the period of 1981-2019, available on the website: www.financingcleantech.com. The index, built using machine learning techniques, represent the share of articles about environmental policy in ten large US newspapers.

 [Read more here](#)



Events

In 2021, despite the sanitary measures due to COVID-19, CIES was able to (co)organise a total of 20 events:



CIES organised **2 well-attended public Geneva Dialogue events**



2 academic workshops and **11 lunch seminars**



CIES co-organised **2 public events** in collaboration with the **Centre for Trade and Economic Integration** and the **International Economics Department** at the Graduate Institute



2 events targeted at students were co-organised with the **GISA Environmental Committee**, a student initiative at the Graduate Institute



CIES affiliated members also engaged in **40 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.

The Geneva Dialogues on Global Environmental Problems

The Geneva Dialogues are a series of keynote speeches by leading academics bridging research and policy on a given theme. Attendees are made up in equal numbers from the Institute's faculty and student body and from international organisations, including international NGOs. The purpose of inviting these lecturers, in addition to presenting an interesting subject with insight from their specialty, has also been to forge connections with CIES members in their field of expertise.



Geneva Dialogue : Spring

Title: Strange Natures: Conservation in the Era of Synthetic Biology

Speaker: Prof. Bill Adams, Claudio Segré Chair of Conservation and Development at the Graduate Institute

Date: 27 May 2021

Professor Bill Adams' lecture discussed how technologies of gene editing are starting to transform the agricultural and biotechnology industries with numerous applications in areas, such as public health, pest control, and food production.

Audience: 50 online (online event only)

Video views: 136



[Watch the recording here](#)



[Read a news post here](#)



Geneva Dialogue: Autumn

Title: Tipping or Turning Point? Towards a Nature Positive Society by 2030

Speaker: Marco Lambertini, Director General of WWF International

Date: 18 October 2021

Marco Lambertini's lecture laid out the contradiction of our current world where we are fast approaching a tipping point in biodiversity, but more aware of the scale of problems than ever before.

Registrations: 84

Audience: 60 in-person | 77 online

Video views: 119



[Watch the recording here](#)



[Read a news post here](#)

Academic and policy conferences, symposiums and workshops

Featured workshop



International Organisations' Accountability Book Workshop

Date: 19 March 2021

This workshop was held as part of the SNF project "Accountability of International Organizations" led by Prof. Liliana Andonova. The main purpose of the event was to bring together professors collaborating 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), and Prof. Tamar Gutner (American University, Washington D.C.) discussed the theoretical framework of the paper and presented their respective individual chapters, sharing feedback, insights and suggestions on how to move forward.

Audience: 10 in-person

Featured events



Welcome Event for the Environmental Track Students

Date: 23 September 2021

As part of an annual tradition, the CIES co-organised a Welcome Event with the GISA Environmental Committee at Maison de la Paix. The event was a chance for students to learn about the Environment, Resources and Sustainability Track of the MINT teaching programme, meet professors, associated faculty and students involved in the environmental sphere, and to find out about events, activities and research on environmental topics at the Graduate Institute.

Registrations: 79

Audience: 67



[Read the news post here](#)



World Climate Game - Ahead of COP26

Event moderator: Joëlle Noailly, Head of Research of CIES

Date: 12 October 2021

In collaboration with the GISA Environmental Committee, the CIES co-organised a simulation game of high-level climate negotiations for Graduate Institute students. The event was led and facilitated by Professor Joëlle Noailly and provided a chance for students passionate about diplomacy, environmental action, and strategic cooperation to come together and see if they can avert climate catastrophe by keeping warming below 2°C above pre-industrial levels.

Registrations: 32

Audience: 31



[Read the news post 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 Graduate Institute community. The series is organised by an interdisciplinary group of scholars.

In 2021, due to Covid-19 restrictions, the number of attendees in person was considerably reduced. 11 seminars were held in 2021, which were attended on an average by 10 students and faculty.



“The potential of area-based conservation measures for enhancing farmland biodiversity.” 2 March 2021. **Falco, Francesca**, PhD Candidate in Environmental Studies at Tel Aviv University and CIES Visiting Fellow at the Graduate Institute.



“Effectiveness of partnerships for advancing the SDGs.” 23 March 2021. **Andonova, Liliana**, CIES Co-director and Professor in International Relations and Political Science at the Graduate Institute.



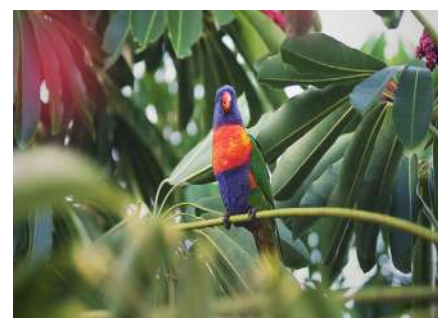
“The Search for the Good Dam: the World Commission on Dams and its Legacy.” 13 April 2021. **Adams, Bill**, Claudio Segré Chair of Conservation and Development and MINT Programme Visiting Professor at the Graduate Institute.



“Fields of Progress: The International Labour Organization and the Problem of Agriculture, 1920-1960.” 27 April 2021. **Ribi-Forclaz, Amalia**, Associate Professor in International History at the Graduate Institute.



“PANARCHIC, project presentation.” 18 May 2021. **Hollway, James**, Associate Professor in International Relations and Political Science at the Graduate Institute.



“The current science and politics of Amazonian Change: Tipping points, planetary Arson and bad politics.” 7 October 2021. **Hecht, Susanna**, Director of the UCLA Center for Brazilian Studies and Professor in International History and Politics at the Graduate Institute.



“The history of the oil energy transition in Latin America.” 21 October 2021. **Acker, Antoine**, Swiss National Science Foundation Eccellenza Professorial Fellow in International History and Politics at the Graduate Institute.



“Futuring a Sustainable Circular Economy in Europe.” 4 November 2021. **Maitre-Ekern, Eléonore**, Postdoctoral Researcher at University of Oslo and CIES Visiting Fellow at the Graduate Institute.



“Welfare Effects of Cleaner Energy Access.” 11 November 2021. **Imelda**, Associate Professor in International Economics at the Graduate Institute.



“Tailoring seeds for climate change: Environmental customization and climate resilience in novel industrial seed systems.” 25 November 2021. **Silva, Diego**, CIES Postdoctoral Researcher at the Graduate Institute.



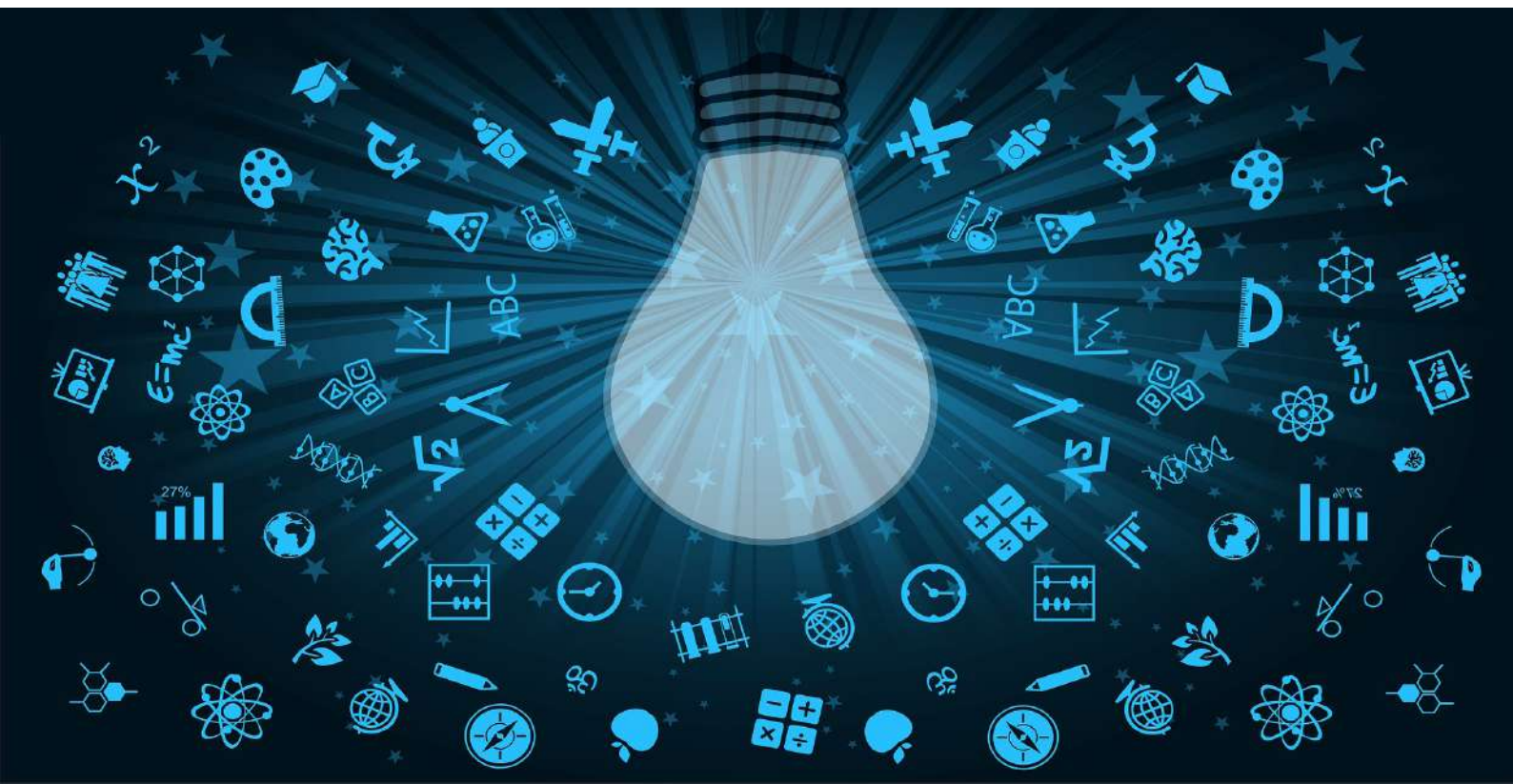
“Environmental regulation and the location of firms.” 2 December 2021. **Mulatu, Abay**, Associate Professor at University of Coventry and Upcoming CIES Visiting Fellow at the Graduate Institute.

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 January 2021, Professor Anne Saab was appointed as the Director of the Executive Education certificate programme Environmental Governance and Policy-Making. In 2021, 5 courses were given by CIES faculty members as part of the Executive Education programme:

- **Prof. Anne Saab**, Director of the Executive Education certificate programme Environmental Governance and Policy-Making. Course : **GMOs and Seed Wars**.
- **Prof. James Hollway**. Course : **Introduction to Environmental Governance**.
- **Prof. Shaila Seshia Galvin**. Course : **Sustainable Agriculture and Smallholder Farmers**.
- **Prof. Susanna Hecht**. Course : **Climates and History**.
- **Prof. Timothy Swanson**. Course : **The Economics of Climate Change**.



Public impact

In 2021, CIES has increased its communication activity due to a well-implemented communication strategy and an increase in staff. In August 2021, CIES joined Twitter enabling increased engagement with the online audience.

CIES audience in 2021



3854 mailing list subscribers
+ 146



1477 LinkedIn followers
+ 859



154 Twitter followers
+ 154



544 Facebook followers
+ 150



CIES members appeared in the media 24 times (see Annex 11). They have been regularly involved in the following themes:

COP26



Joëlle Noailly: Letemps.ch, '**La planète suspendue aux négociations climatiques**' 29 October 2021.

Joëlle Noailly: RTS info, '**A mi-parcours, la COP26 oscille entre espoirs et critiques**' 8 November 2021.

Joëlle Noailly: Letemps.ch, '**Quel bilan tirer de la COP26?**' 22 November 2021.

Marc Hufty: RTS, '**Allô la terre !**' 16 October 2021.

Iida Lehto: '**When youth gather for climate change - Youth4Climate Summit**' 11 October 2021.

Science Panel for the Amazon



Susanna Hecht: Launch of the Amazon assessment report by Science Panel for the Amazon. 12 November 2021.

Ecology and Economy



Laura M. Nowzohour: Moderator of the panel discussion **“Reconciling Ecology and Economy: A Realist Approach”** 15 November 2021.

Petrol



Filipe Calvão: TV5MONDE, **‘Perenco, la low-cost du pétrole’** 14 December 2021.



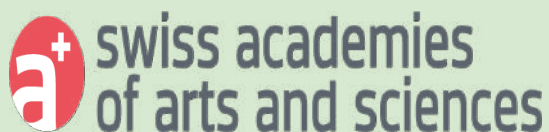
[Watch the video here](#)

Partnerships and relation with international Geneva

The CIES maintains important relationships with many organizations in International Geneva and beyond in the Swiss and international policy world. In 2021, CIES researchers involved partners via events, advisory activities and research projects from UNICEF, the World Health Organization, the World Intellectual Property Organization, the Green Growth Knowledge Platform, World Wildlife Fund, OECD, and the World Trade Organization.



Extended Energy Commission



Joëlle Noailly: Actively contributed to the drafting of the White Paper on **“Transition paths to a net-zero-CO2 Swiss energy system in 2050”** as committee member of the Extended Energy Commission of the Swiss Academies of Arts and Science.

OECD



Joëlle Noailly: Participated in the OECD Scientific Committee **“Policies for a climate-neutral industry: Lessons from the Netherlands”** 16 March 2021.

Partnerships for Sustainability



In 2021, **Liliana Andonova** (Project Investigator) and her colleagues completed the project and related publications on the **effectiveness of public-private and multi-stakeholder partnerships**, which was funded by SNIS. Key publications include the forthcoming interdisciplinary volume, edited by L. Andonova, Moira Faul, and D. Piselli, *Partnerships for Sustainability in Contemporary Global Governance: Pathways to Effectiveness* (Routledge), as well as a forthcoming article in the journal *World Development* titled *“Transnational Partnerships, Domestic Institutions, and Sustainable Development. The Case of Brazil and the Amazon Regional Protected Areas Program,”* co-authored by L. Andonova and D. Piselli. The volume on Partnerships for Sustainability will be available as open access publication with the support of SNIS and the Harvard Kennedy School.

Clean Energy and the Hybridization of Global Governance



An additional collaborative project of **Liliana Andonova** resulted in the publication of a chapter on **“Clean Energy and the Hybridization of Global Governance”** in the volume *Global Governance in a World of Change* (Cambridge University Press, 2021), edited by M. Barnett, J. Pevehouse and K. Raustiala. In September 2021, Andonova was awarded a SNSF 18'000 CHF fellowship, which allowed her to engage in a new collaboration with colleagues at the University of California Los Angeles (UCLA) and the UCLA Luskin Centre for Innovation related to topics of climate change, finance, policies and questions of justice. Following the UNFCCC conference of the parties in Glasgow (November 2021), Andonova presented a lecture on key outcomes and prospects for climate cooperation at UCLA.

Annexes

Annex 1: Staffing of the centre

In 2021, the centre staff was composed of 5 postdoctoral researchers, 14 PhD candidates, 8 research assistants and 1 visiting fellow:

- **Morgan Scoville-Simonds**, Postdoctoral Researcher (Development Studies)
- **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 Visiting Lecturer (International History and Politics)
- **Eléonore Maitre-Ekern**, Postdoctoral Researcher at the Department of Private Law at University of Oslo, Visiting Fellow
- **Radu Barza**, PhD Candidate (International Economics)
- **Laura Nowzohour**, PhD Candidate (International Economics)
- **Roxana Manea**, PhD Candidate (International Economics)
- **Nicholas Brown Tyack**, PhD Candidate (International Economics)
- **Helena Ting**, PhD Candidate (International Economics)
- **Pedro Cayul**, PhD Candidate (Development Economics)
- **Dario Piselli**, PhD Candidate (International Law)
- **Jonas Köppel**, PhD Candidate (ANSO)
- **John Paulraj**, PhD Candidate (ANSO)
- **Agnese Zucca**, PhD Candidate (IR/PS)
- **Henrique Sposito**, PhD Candidate (IR/PS)
- **Yael Tan**, PhD Candidate (IR/PS)
- **Lukas Becker**, PhD Candidate (International History and Politics)
- **Michele Sollai**, PhD Candidate (International History and Politics)
- **Matthias van den Heuvel**, PhD Candidate (EPFL), Visiting Research Assistant
- **Bernhard Bieri**, Master's student (International Economics), Research Assistant
- **Esther Peev**, Master's student (Interdisciplinary Programmes), Research Assistant
- **Jarrod Suda**, Master's student (Interdisciplinary Programmes), Research Assistant
- **Khaliun Purevsuren**, Master's student (Interdisciplinary Programmes), Research Assistant
- **Carolina Earle**, Master's student (Interdisciplinary Programmes), Research Assistant
- **Vanessa Albertolli**, Master's student (Interdisciplinary Programmes), Research Assistant
- **Florian Duriaux**, Master's student (Interdisciplinary Programmes), Research Assistant
- **Ryota Taniguchi**, Master's student (Interdisciplinary Programmes), Research Assistant

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*
Amalia Ribí-Forclaz	- Agrarian Transformation and Mobilization: Land, Labour, and Technology

Bill Adams	- Conservation in the Anthropocene - The Environment and its History
Christophe Gironde	- Développement, pauvreté et inégalité en Asie du Sud-est - Mondes paysans: crises, persistances et innovations
Filipe Calvão	- Extraction, Poverty and Inequality - Global Extraction Networks
James Hollway	- International Environmental Institutions
Marc Hufty	- Political Ecology - Social Movements and the Environment - Biodiversité: entre science et politique - Conservation and Sustainable Development
Shaila Seshia Galvin	- History, Theory and Practice of Development - Environment and Society* - Infrastructures and Technologies of Trust*
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

* *Disciplinary course but also listed in the MINT Environment, Resources and Sustainability track*

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), Graduate Institute

Team:

- AGNESE ZUCCA; PhD candidate in IR/PS, Research Assistant
- 2 Postdoctoral researchers will join the project in 2022

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

Project duration: September 2019 to August 2023

The Global Political Ecology of Lithium Commodity Chain

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, 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.

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, Graduate Institute

Team:

- HENRIQUE SPOSITO, PhD Candidate in IR/Political Science, Research Assistant
- JAEL TAN, PhD Candidate in IR/Political Science, Research Assistant
- BERNHARD BIERI, Master's student, International Economics, Research Assistant
- ESTHER PEEV, Master's student, Interdisciplinary Programs, Research Assistant

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

Project duration: September 2020 to August 2024

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:

- GAÉTAN 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
- KHALIUN PUREVSUREN, FLORIAN DURIAUX, RYOTA TANIGUCHI, VANESSA ALBERTOLLI, CAROLINA EARLE AND JARROD SUDA, Master's Students, Research assistants

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

Project duration: January 2018 to August 2022

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, Graduate Institute

Team:

- ROXANA MANEA, PhD Candidate, International Economics, Research Assistant
- HELENA TING, PhD Candidate, International Economics, Research Assistant

Funder: MAVA Foundation, CHF 298,382

Project duration: February 2020 to August 2023

International Institutions for Climate Finance

The aim of this scientific exchange visit was to explore collaborative opportunities and a new project related to international climate institutions and climate finance.

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

Funder: SNF - International Exchange Grant: CHF 19'500; selected through a competitive process

Project duration: December 2021 to January 2022

The Impact of Compulsory School Laws in a Developing Country Context: Examining Impacts and Explanations in Sub-Saharan 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, Graduate Institute

Team:

- MARTINA VIARENGO, Professor in International Economics, Graduate Institute (co-applicant)
- ROXANA MANEA, PhD candidate, Development Economics, Research Assistant
- RADU BARZA, PhD Candidate, Development Economics, Research Assistant
- Research assistant to start in 2022

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

Project duration: July 2018 to June 2022. An extension will be requested in 2022.

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 in Anthropology and Sociology, Graduate Institute.

Team:

- MATTHEW ARCHER, Postdoctoral Researcher (ANSO)
PhD Candidate will join in 2022.

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

Project duration: May 2021 - 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 in Anthropology and Sociology, 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, Graduate Institute

Team:

- DIEGO SILVA, Postdoctoral Researcher, ANSO
- JONAS KÖPPEL, PhD Candidate, ANSO, 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, Graduate Institute

Team:

- NATHALIA CAPELLINI CARVALHO DE OLIVEIRA, Postdoctoral Researcher, International History and Politics
- LUKAS BECKER, PhD Candidate, International History and Politics, Research Assistant
- MICHELE SOLLAI, 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

Annex 4: Research project proposals submitted in 2021

Sustainable minerals, technological change and the clean energy transition

The goal of the proposed research is to examine: 1) the problem of the security of supply of critical minerals for the clean energy transition, 2) the central role of technological change along the mineral and renewable energy supply chains and 3) the policies supporting a sustainable extraction and supply of minerals for the clean energy transition.

Project Investigator: JOËLLE NOAILLY Head of Research, CIES and Lecturer, International Economics, Graduate Institute Geneva, Associate Professor, Environmental Economics, VU Amsterdam

Team:

- CAROLYN FISCHER (Canada 150 Research Chair in Climate Economics, Innovation and Policy, Professor, Department of Economics and the Institute of the Environment VU Amsterdam),
- GERARD VAN DER MEIJDEN (Associate Professor, Department of Spatial Economics, VU Amsterdam)
- FILIPE CALVÃO (Associate Professor, Anthropology and Sociology, Graduate Institute)

Funder: SNSF, CHF 1'197'004 (4-year)

Status: declined

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

Status: Accepted

For more information on this project, please refer to section above "Projects launched in 2021".

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 in Development Studies, Graduate Institute

Team:

- DIEGO SILVA, Postdoctoral Researcher, ANSO
- JONAS KÖPPEL, PhD Candidate, ANSO, Research Assistant

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

Status: Accepted; project to start in January 2022

Bombs, Markets and Land Use: Evaluating Social-Ecological Systems Using Econometrics and Machine Learning for Causal Inference

This research project aims to generate robust evidence illuminating the persistent environmental and developmental effects of violent conflicts and agriculture commodity trade.

Project Investigator: RAHUL MEHROTRA, Postdoctoral Researcher, International Economics

Funder: Submitted to the SNF Ambizione, CHF 927'046 (4-years)

Status: Under review

The Era of Big Dams: Global Production and Circulation of Expert Knowledge, Practices and Guidelines

This research project aims to offer new decentralized global narratives of the Anthropocene's great acceleration and to contribute to scholarship on the emergence and consolidation of an international governance of the environment.

Project Investigator: NATHALIA CAPELLINI, Postdoctoral Researcher, International History and Politics

Funder: Submitted to SNSF Swiss Postdoctoral Fellowships, CHF 267'417 (2-years)

Status: Under review

Annex 5: Projects completed in 2021

Generic Resources and Agricultural Productivity in the Developing World

This research aims to analyse the role of genetic resources in increasing agricultural productivity by examining the case study of the Green Revolution in the developing world.

Project Investigator: NICHOLAS TYACK, PhD candidate, Development Economics, the Graduate Institute

Funder: SNSF, CHF 44'417

Project duration: December 2020 to September 2021

An Experimental Approach to Farmer Valuation Of African Rice Genetic Resources

This project aims to investigate the value that rice farmers in Côte d'Ivoire place on both African rice landraces maintained by the AfricaRice genebank as well as advanced rice varieties developed through AfricaRice's breeding programs such as the interspecific hybrid ARICA varieties and the aromatic *Oryza sativa* variety ORYLUX.

Project Investigator: NICHOLAS TYACK, PhD candidate, Development Economics, the Graduate Institute

Team:

- AMINOU AROUNA, AfricaRice (Co-applicant)

Funder: GeneBank Fellowship, USD 14'000

Project duration: October 2020 to February 2021

Annex 6: Articles published in scientifically refereed journals

Acker, Antoine. (2021). "Amazon Development". *Oxford Research Encyclopedia of Latin American History*. <https://doi.org/10.1093/acrefore/9780199366439.013.837>

Archer, Matthew. (2021). "Imagining Impact in Global Supply Chains: Data-Driven Sustainability and the Production of Surveillable Space." *Surveillance & Society* 19 (3): 282–98. <https://doi.org/10.24908/ss.v19i3.14256>.

Archer, Matthew, & Elliott, H. (2021). "'It's up to the Market to Decide': Revealing and Concealing Power in the Sustainable Tea Supply Chain." *Critique of Anthropology* 41 (3): 227–46. <https://doi.org/10.1177/0308275X211038607>.

Archer, Matthew, & Souleles, D. (2021). "Introduction: Ethnographies of Power and the Powerful." *Critique of Anthropology* 41 (3): 195–205. <https://doi.org/10.1177/0308275X211038605>

Adams, William M. (2021). "Gene Editing for Climate: Terraforming and Biodiversity." *Scottish Geographical Journal* 136 (1–4): 24–30. <https://doi.org/10.1080/14702541.2020.1853869>.

Adams, William M., & Redford, K.H. (2021). "Fix That Genome?" *Oryx* 55 (4): 481–82. <https://doi.org/10.1017/S0030605321000697>.

Adams, William M., & Redford, K.H. (2021). "Editing the Wild." *Conservation Biology* 35 (5): 1701–1703. <https://doi.org/10.1111/cobi.13741>.

Block, P., **Hollway, James,** Koskinen, J., Snijders, T., & Stadtfeld, C. (2021). "Circular specifications and predicting after peeking". *Network Science*.

Calvão, Filipe, McDonald, C.E.A., & Bolay, M. (2021). "Cobalt Mining and the Corporate Outsourcing of Responsibility in the Democratic Republic of Congo." *The Extractive Industries and Society*. <https://doi.org/10.1016/j.exis.2021.02.004>.

Calvão, Filipe, Ankenbrand, C., Ros-Tonen, M.A.F., & Beevers, M.D. (2021). "Extractive Industries and Human Security: An Overview." *The Extractive Industries and Society* (101007). <https://doi.org/10.1016/j.exis.2021.101007>.

Calvão, Filipe, & Bell, L. (2021). "From Ashes to Diamonds: Making Lab-Grown Afterlife." *TSANTSA – Journal of the Swiss Anthropological Association* 26 (June): 122–38. <https://doi.org/10.36950/tsantsa.2021.26.6916>.

Calvão, Filipe, & **Archer, Matthew.** (2021). "Digital extraction: Blockchain traceability in mineral supply chains." *Political Geography* 87(102381). <https://doi.org/10.1016/j.polgeo.2021.102381>.

Calvão, Filipe, Bolay, M., & Bell, L. (2021). "Dis/Connection Matters: Natural, Synthetic, and Digital." *TSANTSA – Journal of the Swiss Anthropological Association* 26 (June): 7–17. <https://doi.org/10.36950/tsantsa.2021.26.7680>.

Corbera, E., Maestre-Andrés, S., Calvet-Mir, L., Brockington, D., Howe, C., & **Adams, William M.** (2021). "Biases in the production of knowledge on ecosystem services and poverty alleviation." *Oryx* 55 (6): 868 – 877. <https://doi.org/10.1017/S0030605320000940>.

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Doose, Katja. (2021). "A global problem in a divided world: climate change research during the late Cold War, 1972–1991." *Cold War History* 21 (4): 469-489. <https://doi.org/10.1080/14682745.2021.1885377>.

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Doose, Katja. (2021). "Review of Science and Empire in Eastern Europe: Imperial Russia and the Habsburg Monarchy in the 19th Century." Jan Arend (Ed.), *Ab Imperio* 2021 (2): 254-257. doi:10.1353/imp.2021.0040.

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Saab, Anne. (2021). "Book review of Managing Facts and Feelings in Environmental Governance." L. Squintani, J. Darpö, L. Lavrysen & P.-T. Stoll (Eds.), *Review of European, Comparative & International Environmental Law* 30 (1): 150-152.

Annex 7: In-press publications

Books:

Acker, Antoine, & Chatterjee, E. "Fossil fuels from resource extraction to carbon emission", in Emily O’Gorman, Mark Carey, Sandra Swart & William San Martín, eds, *Routledge Handbook of Environmental History*, New York: Routledge. Forthcoming: 2022.

Acker, Antoine. "Les lieux du XXe siècle: l’Amazonie" ("Places of the 20th century : the Amazon"), in Nicolas Beaupré & Florian Louis, (Eds.), *Histoire du XXe siècle*, Paris: Presses Universitaires de France. Forthcoming: 2022.

Andonova, Liliana. B., Faul, M., & Piselli, Dario. "Partnerships for Sustainability: Pathways to Effectiveness." Routledge: London (under contract). Forthcoming 2022.

Andonova, Liliana, Faul, M., & **Piselli, Dario**. *Partnerships for Sustainability: Pathways to Effectiveness*. Routledge: London (under contract). Forthcoming 2022.

Book chapters:

Acker, Antoine. "The missed opportunity of an ethics of globalization? A study of VW’s social, ecological and memorial contradictions." In Patricia Kottelat (Eds.), *Ethique Contemporaine*. Torino: Meti. Forthcoming 2022.

Noailly, Joëlle, & Andersen, M. "Innovation and environmental policy in the mining sector." In A. Daly, D. Humphreys, J. Raffo, and G. Valacchi (Eds.), *Global challenges for innovation in the mining industries*. Cambridge University Press. Forthcoming 2022.

Ribi Forclaz, Amalia. "Show Them How to Pick the Darn Stuff: The United Nations Relief and Rehabilitation Administration and its Agricultural Reconstruction Missions in Southern Europe, 1943-47." In J. Tischler and H. Hartmann (Eds.), *Knowing How to Farm: Renegotiating Global Knowledge in Rural Societies in the 20th Century*. Forthcoming 2022.

Ribi Forclaz, Amalia. "Experimenting with Scientific Management: New Approaches to Agricultural Labour in the Twentieth Century." In Corinna Unger, Dietmar Müller and Liesbeth van de Grift (Eds.), *Managing the Land: Agricultural and Rural Actors in Twentieth Century Europe*. Forthcoming 2022.

Articles:

Escosteguy Melisa, I., Martín A., D.P., Walter F., Stern, H., Clavijo, A.I., Carlos O., V., Cristian D., Brannstrom, C., **Hufty, Marc**, & Segghezzo, L. "Will electro-mobility encourage injustices? The case of lithium production in the Argentine Puna." In M. Nadesan, M. Pasqualetti, J. Keahey, (Eds.), *Democratizing Energy: Imaginaries, Transitions, Risks*. Arizona State University. Accepted and forthcoming 2022.

Acker, Antoine. "L’Anthropocène au prisme de l’Amérique Latine" ("The Anthropocene in Latin American perspective"). Co-edited with Sébastien Rozeaux for the special issue of *Caravelles* 119. Forthcoming 2022.

Acker, Antoine. "Global conversation: Environmental History". Roundtable article with Debjani Bhattacharya, Roberta Biasillo, Iris Borowy, Claudia Leal, Christof Mauch & Grégory Quenet. Co-edited with Laurent Warlouzet for the 10th anniversary special issue of MONDE(S). *Histoire, Espaces, Relations*. Forthcoming: 2022.

Dugoua, E, M. Dumas and **Noailly, Joëlle**. "Text as data in environmental economics and policy." *Review of Environmental Economics and Policy*. Forthcoming 2022.

Annex 8: Research papers, policy papers and other publications

CIES Research papers:

Manea, Roxana Elena, Piraino, P. & Viarengo, M. (2021). "Crime, inequality and subsidized housing: Evidence from South Africa." CIES Research Paper series 66-2021. *Centre for International Environmental Studies, The Graduate Institute*. <https://repository.graduateinstitute.ch/record/299184?ln=en>.

Manea, Roxana Elena, & Naso, Pedro. (2021). "Heterogeneous Impacts of School Fee Elimination in Tanzania: Gender and Colonial Infrastructure." CIES Research Paper series 64-2021. *Centre for International Environmental Studies, The Graduate Institute*. <https://repository.graduateinstitute.ch/record/298829>.

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Naso, Pedro, Theoduloz, T., Tyack, Nicholas, Gelo, D., Sarr, M., & Swanson, Timothy. (2021). "Using information to improve global cooperation: a climate change experiment." CIES Research Paper series 72-2021. *Centre for International Environmental Studies, The Graduate Institute*. <https://repository.graduateinstitute.ch/record/299607?ln=en>.

Noailly, Joëlle & Smeets, R. (2021). "Financing energy innovation: internal finance and the direction of technical change." CIES Research Paper series 69-2021. *Centre for International Environmental Studies, The Graduate Institute*. <https://repository.graduateinstitute.ch/record/299360?ln=en>.

Noailly, Joëlle, Nowzohour, Laura M. & van den Heuvel, Matthias. (2021). "Heard the news? Environmental policy and clean investments." CIES Research Paper series 70-2021. *Centre for International Environmental Studies, The Graduate Institute*. <https://www.graduateinstitute.ch/library/publications-institute/heard-news-environmental-policy-and-clean-investments>.

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van den Heuvel, Matthias & Rassenfosse, G.D. (2021). "Venture competitions could help spur the cleantech revolution in Switzerland." CIES Policy Brief 7, Spring 2021. <https://repository.graduateinstitute.ch/record/298878?ln=en>.

Zufferey, Maxime Jean. (2021). "The scope of eco-innovation in the Swiss waste management sector." CIES Policy Brief 8, Autumn 2021. <https://repository.graduateinstitute.ch/record/299405?ln=en>.

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Cayul, Pedro, Corvalán, A., Jaimovich, D., & Pazzona, M. (2021). "Introducing MACEDA: new micro-data on an indigenous self-determination conflict." CIES Research Brief 7, Spring 2021. <https://repository.graduateinstitute.ch/record/299339?ln=en>.

Holze, Josefina. (2021). "The effect of the Covid-19 lockdown on crime rates in South Africa." CIES Research Brief 8, Autumn 2021. <https://repository.graduateinstitute.ch/record/299406?ln=en>.

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Piselli, Dario. (2021). "Are partnerships effective in advancing the Sustainable Development Goals ?" CIES Research Brief 6, Spring 2021. <https://repository.graduateinstitute.ch/record/299144?ln=en>.

Other working papers:

Imelda & Fabra, N. (2021). "Market power and price exposure learning from changes in renewables' regulation." CEPR Working Paper 14729. <https://repository.graduateinstitute.ch/record/299007>.

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Tyack, Nicholas, Arouna, A., Aboudou, R., Ndjondjop, M. (2021). "An experimental approach to farmer valuation of African rice genetic resources." Genebank Impacts Working paper 17. CGIAR Genebank Platform, Africa Rice Center (AfricaRice) and the Crop Trust. <https://www.genebanks.org/wp-content/uploads/2021/11/WP17-Tyack.pdf>.

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Cayul, Pedro, Corvalán, A., Durán, E., & Jaimovich, D. (2021). “¿Es representativa la consulta ciudadana en la Araucanía?” *CIPER*, 10 November 2021. <https://www.ciperchile.cl/2021/11/10/consulta-ciudadana-en-la-araucania/>.

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Eriksen, S., Mosberg, M., Muok, B., Vincent, K., Schipper, L., & **Scoville-Simonds, Morgan**. (2021). “Why Does Climate Adaptation End Up Repeating, Rather Than Rethinking, Old Development Mistakes?” *Debating Development Research*, March 9, 2021. <http://www.developmentresearch.eu/?p=889>.

Piselli, Dario. (2021). “Leave the Dead (Trees) Alone? Revisiting the Ongoing Controversy Over the Białowieża Forest.” *European and International Environmental Law*, 8 April 2021. <https://eieljeanmonnet.org/2021/04/08/leave-the-dead-trees-alone-revisiting-the-ongoing-controversy-over-the-bialowieza-forest>.

Schipper, L., **Scoville-Simonds, Morgan**, Vincent, K., & Eriksen, S. (2021). “Why Avoiding Climate Change ‘Maladaptation’ Is Vital.” *Carbon Brief*, February 10, 2021. <https://www.carbonbrief.org/guest-post-why-avoiding-climate-change-maladaptation-is-vital>.

Vincent, K., Eriksen, S., Schipper, L., & **Scoville-Simonds, Morgan**. (2021). “Improving Effectiveness and Equity of Adaptation Finance.” *Climate and Development Knowledge Network*, February 3, 2021. <https://cdkn.org/2021/02/adaptation-finance-effectiveness/>.

Silva, Diego. (2021). “Climate Resilient Seed-Worlds.” *Weather Matters*, November 2021. <https://www.weathermatters.net/climate-resilient-seed-worlds>.

Annex 9: Papers presented at conferences by CIES researchers

Andonova, Liliana. Presented paper “Transnational Partnerships, Domestic Institutions, and Sustainable Development” at Swiss Political Science Association Annual Meeting, 4-5 February 2021.

Andonova, Liliana. Presented paper “Transnational Partnerships, Domestic Institutions, and Sustainable Development” at the Environmental Politics and Governance online conference in Norway, 24-25 June 2021.

Andonova, Liliana. Presented paper “Transnational Partnerships, Domestic Institutions, and Sustainable Development” at the APSA panel on Transboundary Governance and Policymaking during American Political Science Association Annual Meeting, 30 September-3 October 2021.

Adams, William M., Chris Sandbrook, and Emma Tait. “Racing the Wild: Incorporating Wildlife Movement Data into Digital Games to Enhance Understanding of Nonhuman Lives”, at the University of Cambridge. Workshop on Digital Ecologies, 29-30 March 2021.

Adams, William M. “Digital Technologies and ‘Collaboration’ Beyond Observation”, at the More-Than-Human Collaboration in Geographical Research workshop in Cambridge, UK, 10-17 February 2021.

Cayul, Pedro. “Descriptive Representation and Turnout: Officeholders or Candidates?”, at the Economics & Finance Research Talk Series of Brunel University London, 10 November 2021.

Doose, Katja. Presented working paper “A global problem in a divided world – collaboration on climate change during the late Cold War, 1972-1991” at the “Divided Together? International Organizations and the Cold War University of Vienna” online event, 20 May 2021.

Doose, Katja. Presented working paper “Weather girls and data guys. Women’s carriers in Soviet climatology, 1910s-1990s”, at the “Hidden Histories: Women and Science in the Twentieth Century”, University of Heidelberg online event, 7-8 May 2021.

Doose, Katja. Presented working paper “Blaming the Weather? Climate Change Research and the bread Question in the USSR, 1960-1990s”, at the Conference series of the Centre-Franco Russe Moscow “Russian Anthropocene”, 23 April 2021.

Doose, Katja. Presented working paper “‘A Woman is a Woman’ - Gender, science and the Soviet Union”, at the “Governing Science and Technology. Governing through Science and Technology: What was at stake for Women?”, Moscow online event, 1 July 2021.

Escosteguy, M., Diaz Paz, W., Clavijo, A., Iribarnegaray, M., Brannstrom, C., **Hufty, Marc**, and Seghezze, L. “Multi-scalar connections around lithium production in Argentina”, at the Energy Ethics 2021 Conference. Panel on Co-Existence: Lithium Connections, 27 October 2021.

Hollway, James. “Multimodal resilience, robustness, and responsiveness,” at Sciences Po Paris. Workshop on Social networks and social resilience, 25-26 May 2021.

Hufty, Marc, Lorca, M., Olivera, M., Escosteguy, M., **Köppel, Jonas**, & **Scoville-Simonds, Morgan**. "Mining Indigenous Territories: Consensus, Tensions and Ambivalences in the Salar de Atacama", at the Energy Ethics 2021 Conference. Panel on Co-Existence: Lithium Connections, 27 October 2021.

Galvin, Shaila Seshia. "Is it Really Organic? Transparency, Trust and Truth in Organic Certification", at the annual meeting of the American Anthropological Association, in Baltimore, Maryland and online, 17-21 November.

Galvin, Shaila Seshia. "Accounting for Nature: Agriculture and Mitigation in the Era of Global Climate Change", invited talk for the United Nations Forum on Sustainability Standards meeting of the Academic Advisory Council, 4-5 November 2021.

Köppel, Jonas. "Staying with the double-bind: Narrative Relations Between Energy Transition and Lithium Extraction" presented Energy Ethics 2021, 27 October 2021.

Köppel, Jonas. "The lithium triangle and its (dis)contents" presented at LASA2021, 28 May 2021.

Köppel, Jonas & **Scoville-Simonds, Morgan**. "Staying with the double-bind: Narrative Relations Between Energy Transition and Lithium Extraction", at the Energy Ethics 2021 Conference. Panel on Co-Existence: Lithium Connections, 27 October 2021.

Laurens, N., **Hollway, James** & Morin, J.F. "Checking for updates: Determinants of environmental regimes' adaptation", online at the International Studies Association 2021 Convention, 6-9 April 2021.

Noailly, Joëlle, **Nowzohour, M. Laura** and **van den Heuvel, Matthias**. Invited to present working paper "Heard the News? Environmental Policy and Clean Investments" at NBER Economics of Innovation in the Energy Sector Conference, 23 April 2021.

Noailly, Joëlle. Invited to present working paper "Heard the News? Environmental Policy and Clean Investments" London School of Economics, Grantham Research Institute on Climate Change and the Environment, 5 May 2021.

Noailly, Joëlle. Invited to present "Heard the News? Environmental Policy and Clean Investments" at 20th Journées Louis-André Gérard-Varet, International Conference in Public Economics, 22-24 June 2021.

Noailly, Joëlle. Invited to present "Heard the News? Environmental Policy and Clean Investments" at the Eureka seminar, Department of Spatial Economics, VU Amsterdam, 28 October 2021.

Noailly, Joëlle. Invited to present "Heard the News? Environmental Policy and Clean Investments" at Coventry University. Online seminar, 6 December, 2021.

Nowzohour, M. Laura. Invited to present working paper "Heard the News? Environmental Policy and Clean Investments" at the Swiss Finance Research Days event, 7 June 2021.

Nowzohour, M. Laura. Invited to present working paper "Heard the News? Environmental Policy and Clean Investments" at the European Economic Association Congress, 23 August 2021.

Nowzohour, M. Laura. Invited to present working paper "Heard the News? Environmental Policy and Clean Investments" at the French Association of Environmental and Resource Economics Conference, 10 September 2021.

Saab, Anne. "Global WarNing: Discourses of Fear in International Climate Change Law", at the Cambridge Centre for Environment, Energy and Natural Resource Governance (C-EEENRG) seminar series, 6 May 2021.

Saab, Anne. "Emotions and International Law", at the Society for Affective Sciences Annual Conference, 13-16 April 2021.

Saab, Anne. Book presentation: Narratives of Hunger in International Law: Feeding the World in Times of Climate Change, at the International Law Students Association (ILSA) WBNUJS Talk Series, 8 July 2021.

Saab, Anne. Multi book launch event: Narratives of Hunger in International Law: Feeding the World in Times of Climate Change, at the Law and Society Association Annual Conference, 28 May 2021.

Saab, Anne. Book presentation: Narratives of Hunger in International Law: Feeding the World in Times of Climate Change, at Manchester International Law Centre seminar series, 18 February 2021.

Scoville-Simonds, Morgan, **Calvão, Filipe**, Escosteguy, M., **Köppel, Jonas**, Lorca, M., Seghezso, L. & **Hufty, Marc**. "Re-articulating Lithium – Toward Political Ecologies of Lithium Extraction", at the Congress of the Latin American Studies Association, 29 May 2021.

Sollai, Michele. Working paper presentation: "The Scientific Conquest of the Empire: Agrarian Experts and the Discovery of the 'Local' in Italian-occupied Ethiopia", 22 October 2021.

Annex 10: Events

Geneva Dialogues on Global Environmental Problems

Geneva Dialogue : Spring

Title: Strange Natures: Conservation in the Era of Synthetic Biology

Speaker: Bill Adams, Claudio Segré Chair of Conservation and Development at the Graduate Institute

Date: 27 May 2021

Description: Bill Adams's lecture discussed how technologies of gene editing are starting to transform the agricultural and biotechnology industries, with numerous applications in areas such as public health, pest control and food production.

Audience: 50 online (online event only)

Registration: N/A

Video views: 136

<https://www.youtube.com/watch?v=fjrAj0enQYo&t=225s>

Geneva Dialogue: Autumn

Title: Tipping or Turning Point? Towards a Nature Positive Society by 2030

Speaker: Marco Lambertini, Director General of WWF International

Date: 18 October 2021

Description: Marco Lambertini's lecture laid out the contradiction of our current world where we are fast approaching a tipping point in biodiversity, but more aware of the scale of problems than ever before.

Audience: 60 in-person // 77 online

Registration: 84

Video views: 119

<https://www.youtube.com/watch?v=uEZAxMJUNEE&t=5s>

News: <https://www.graduateinstitute.ch/communications/news/tipping-or-turning-point-towards-nature-positive-society-2030>

Academic conferences, workshops and policy events organised by CIES

Title: International IO's Accountability book workshop

Date: 19 March 2021

Description: This workshop was held as part of the SNF project "Accountability of International Organizations", led by Prof. Liliana Andonova. 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), and Prof. Tamar Gutner (American University, Washington D.C.) discussed the theoretical framework of the paper and presented their respective individual chapters, sharing feedback, insights and suggestions on how to move forward.

Audience: 10 in-person

Registration: N/A

Other seminars, policy and public events co-organised by CIES

Title: Welcome Event for the Environmental track students

Date: 23 September 2021

Description: As part of an annual tradition, the Centre for International Environmental Studies co-organised a Welcome Event with the GISA Environmental Committee (EC) at Maison de la Paix. The event was a chance for students to learn about the Environment, Resources and Sustainability Track of the MINT teaching programme, meet professors, associated faculty and students involved in the environmental sphere, and to find out about events, activities and research on environmental topics at the Graduate Institute.

Audience: 67

Online registrations: 79

Title: World Climate Game - ahead of COP26

Event moderator: Prof. Joëlle Noailly

Description: As a collaboration with the GISA Environmental Committee, the Centre for International Environmental Studies co-organised a 'World Climate Game - Ahead of COP26' for Graduate Institute students. The event was led and facilitated by Professor Joëlle Noailly, Head of Research at CIES, and provided a chance for students passionate about diplomacy, environmental action, and strategic cooperation to come together and see if they can avert climate catastrophe by keeping warming below 2°C above pre-industrial levels.

Audience: 31

Online registrations: 32

Title: Urban Air Pollution and Sick Leaves: Evidence from Social Security Data

Date: 27 April 2021

Description: As part of the Vilfredo Pareto Research Seminar series, the International Economics Department at the Graduate Institute together with the Centre for International Environmental Studies co-organised a public talk given by Ulrich Wagner, Professor of Quantitative Economics at University of Mannheim.

Audience: 35 people

Title: NRP73 "Financing Investments in Clean Technologies" Third Partners' Meeting

Date: 3 June 2021

Description: The workshop was the occasion to summarize the progress made over the last year and to interact with implementation partners from the policy and cleantech world involved in the project, among which Eric Plan (Cleantech Alps), David Avery (S-GE), Winfried Weigel (Cleantech Capital), Camille Andre (Green Growth Knowledge Platform), Ivan Hascic and Miguel Cardenas (OECD, Environment Division). PhD students Laura Nowzohour and Matthias van den Heuvel presented their latest research results and David Avery, Head of Cleantech at S-GE, gave an overview of measures to support cleantech activities at Switzerland Global Enterprise. Finally, the meeting was also the occasion to welcome a group of MINT Master's students into the project as part of their applied research Capstone project on the role of crowdfunding platforms for the financing of clean technologies.

Audience: 15 people

Title: "Could better data contribute to making peace with nature?"

Date: 22 June 2021

Description: 2030 Digital Fasttrack Studio's fifth session was organised together with the Centre for International Environmental Studies and the Centre for Trade and Economic Integration. The session provided an opportunity to preview the most critical technologies that will shape the future of nature - artificial intelligence, big data, and digital technology, and their potential to help make peace with nature. Professor William M. Adams from CIES featured as a panelist to share his research.

Audience: 65 people

Title: 9th World Sustainability Forum

Date: 13-15 September 2021

Description: WSF2021 is an international scientific conference coordinated by the MDPI Sustainability Foundation, under the patronage of the Universität Basel. In 2021, CIES was involved in the Forum as a partner organisation. The pandemic has challenged our expectations for the future and has prompted a re-evaluation of the relationships between society, politics and the commercial world. The 9th World Sustainability Forum considered all aspects of these new and evolving relationships and their impact on sustainability. The forum hosted major sessions on the topics of Business and Finance, Climate, Health and Medicine, Water and Education.

Audience: 413 people

Other seminars, policy and public events co-organised by CIES

Acker, Antoine. Guest at "The Amazons : local challenges, global issues", roundtable at the Latin American Festival of Biarritz, France, 21 September 2021.

Acker, Antoine, Nathalia Capellini, and Lukas Becker. Organisers of the "Learning from the Past, Acting for the Future: History and the struggle for climate justice" workshop, University of Zurich, 17 December 2021.

Andonova, Liliana. Invited to give a presentation on “The Peace and Environmental Dividend of EU Enlargement Reconsidered”, the Graduate Institute Geneva, 23 March 2021.

Andonova, Liliana. Invited to give a presentation on “Climate Diplomacy in Glasgow: UNFCCC COP26”, University of California, Los Angeles, 30 November 2021.

Andonova, Liliana. Co-organiser of the Working Group on Environment and Development at the Swiss Political Science Association Annual meeting, 4-5 February 2021.

Andonova, Liliana. Discussant at the Global regulatory agreements and corporations by C. Moehlecke Political Economy of IOs workshop, 22 March 2021.

Andonova, Liliana. Invited to give a presentation on “A World In Crisis: Diplomacy and Environmental Governance”, the Graduate Institute, Geneva, 25 March 2021.

Archer, Matthew. Participation at the Anthropology of Technology Conference “Tracing Knowledge: The Politics of Blockchain Epistemologies”, Aarhus, Denmark, 4-5 November 2021.

Adams, William M. Session chair of “Political Ecologies of Camera Trapping” at the Digital Ecologies Workshop at the University of Cambridge, 29-30 March 2021.

Capellini, Nathalia. Participation in the panel discussion “Histórias de transgressão, transgressão na História: pensar o Brasil contemporâneo desde a contra-hegemonia política e acadêmica”, of the III ABRE Congress, online event, September 21 2021.

Capellini, Nathalia. Participation at the Pierre du Bois Doctoral Workshop “How to build a mega dam on a tropical forest? Hydroelectricity implantation on the Brazilian Amazon during the military dictatorship (1964-1984)”, 22 October 2021.

Capellini, Nathalia. Participation at the “Modernizing Landscapes: New Histories of Development and the Environment between Europe and the World” conference, Graduate Institute, Geneva, 22 October, 2021.

Cayul, Pedro. “Do Indigenous Politicians Empower Indigenous Voters?” in the Brown Bag Lunch at The Graduate Institute Geneva, 1 March 2021.

Cayul, Pedro. “Do Indigenous Politicians Empower Indigenous Voters?” in the Development Theory Seminar at the Graduate Institute, Geneva, 31 March 2021.

Falco, Francesca. Presentation, “The Potential of Area-based Conservation Measures for Enhancing Farmland Biodiversity”, at the Landscape 2021 Conference, 20-22 September 2021. https://express.converia.de/frontend/index.php?folder_id=3405&page_id=

Galvin, Shaila Seshia. Co-organiser of the panel “The Infrastructures and Technologies of Trust”, at the Annual Meeting of the American Anthropological Association in Baltimore, Maryland and online, 17-21 November 2021.

Galvin, Shaila Seshia. Faculty organiser of the workshop “Anthropologies Beyond the Human?” at the Conférence Universitaire de Suisse Occidentale in Geneva, 7-8 October.

Galvin, Shaila Seshia. Organiser of ‘incubator’ workshop “The Technologies and Infrastructures of Trust”, online, 8-9 June.

Galvin, Shaila Seshia. Roundtable, “Writing the History of Development and Environment: Past, Present, and Future Approaches”, at the Pierre du Bois Doctoral Workshop, 22 October 2021.

Galvin, Shaila Seshia. Discussant, “The Everyday State”, at the Young South Asia Scholars’ Meet, in Geneva, 2 June 2021.

Galvin, Shaila Seshia. Invited participant for roundtable, “Power and Agency: Celebrating James Scott’s Contributions to Asian Studies”, at the Association of Asian Studies, online, 25 March 2021.

Hecht, Susanna. Director of the UCLA Center for Brazilian Studies, Professor of Urban Planning at the Luskin School of Public Affairs and Professor in International History and Politics at the Graduate Institute. “The current science and politics of Amazonian Change: Tipping points, planetary Arson and bad politics”, 7 October 2021.

Hecht, Susanna. Invited to give a talk on “Is There a Future for the Amazon? From Eco Catastrophe to Zero Deforestation and Back” at the Bren School of Environmental Science & Management, University of California, 9 March 2021.

Hecht, Susanna. Presentation on “Amazonia and the Last Unfinished Page of Genesis” at the Earth Archive Congress 2021, 15 June 2021.

Hollway, James. Workshop discussant at the “Global Health Governance” at the Graduate Institute, Geneva, 19 March 2021.

Hufty, Marc. Panel organizer of “Reshaping peoples and places: A global political ecology of lithium”, at the Latin American Studies Association Annual Conference, 28 May 2021.

Hufty, Marc. “Mining Indigenous Territories: Consensus, Dissent and Tensions in the Atacama Salt Flat”, at the Energy Ethics Conference, 27 October 2021.

Köppel, Jonas. Co-organiser of the panel “Reshaping peoples and places: A global political ecology of lithium”, 28 May 2021.

Noailly, Joëlle. Presentation, “Financing energy innovation: Internal finance and the direction of technical change”, Seminar at University of Barcelona, 25 March 2021.

Noailly, Joëlle. Invited lecturer on “Tendencies and challenges of the cleantech economy” at the Cercle des Investisseurs de Genève lunch briefing, 14 April 2021.

Noailly, Joëlle. Panel moderator of “LDC priorities: forward-looking perspectives”, World Trade Organization, 11 November 2021.

Nowzohour, M. Laura. Co-organiser and co-moderator of the roundtable “Pathways for More Inclusive Economics Departments - What Works and What Doesn't?”, 13 September 2021.

Nowzohour, M. Laura. Organiser of the “Rare Voices in Economics” conference and presented a working paper “Heard the News? Environmental Policy and Clean Investments”, 13-14 September 2021.

Piselli, Dario. Panelist at “Non-State Actors, Energy, and International Law”, University of Geneva, online event. Presentation, “Epistemic communities and science-law interfaces in international law: recent insights on climate and energy”, 30 June 2021.

Piselli, Dario. Panelist at “7th Annual Environmental Politics and Governance Conference 2021”, University of Oslo, online event. Presentation, “Transnational Partnerships, Domestic Institutions, and Sustainable Development”, 25 June 2021.

Piselli, Dario. Panelist at “Virtual Book Launch: Research Handbook on Law, Governance and Planetary Boundaries”, University of Lincoln, online event. Presentation: “Global Governance of Planetary Boundaries: Regime Interactions”, 18 June 2021.

Piselli, Dario. Moderator at “Where Eagles Dare in EU Environmental Law: How Far Can Member States Go Through Unilateral Measures”, webinar with Prof Leonie Reins, Tilburg University, online event, 15 January 2021.

Scoville-Simonds, Morgan. Chaired the panel “Reshaping peoples and places: A global political ecology of lithium”, at the Congress of the Latin American Studies Association, 29 May 2021.

Scoville-Simonds, Morgan. Seminar discussant at “Key Lessons for a More Effective Climate Adaptation Policy and Practice beyond COP26”, organised by C-Hub, 21 October 2021.

Scoville-Simonds, Morgan. “Sustainability for whom? Climate change, lithium, and the remaking of the Global South”, at the Engaging Sustainability webinar series hosted by Department of Global Development and Planning, University of Agder, Norway, 20 October 2021.

Sollai, Michele. Co-organiser of the Pierre du Bois Doctoral Workshop: “Modernizing Landscapes: New Histories of Development and the Environment between Europe and the World”, 22 October 2021.

Annex 11: Public impact

01 March 2021: **Susanna Hecht.** National Geographic Portugal, ‘Mann and Susanna Hecht Quilombos, onde os escravos mandavam’.

11 March 2021: **Shaila Seshia Galvin.** Yale MacMillan Center, ‘Yale at AAS 2021 VIRTUAL Annual Conference’.

16 March 2021: **Noailly, Joëlle.** Participated in the OECD Scientific Committee, “Policies for a climate-neutral industry: Lessons from the Netherlands”.

22-23 March 2021: **Noailly, Joëlle.** Presentation on “Directing innovation towards the clean economy” at the WIPR 2021 workshop.

26 March 2021: **Saab, Anne.** Panelist at “Sustainable Food Systems” panel at Sustainability Week Geneva 2021, organised by the GISA Environmental Committee at the Graduate Institute, Geneva.

15 May 2021: **Pedro Cayul.** DFMAS, ‘Cómo el mundo mira el proceso constituyente chileno’.

17 May 2021: **Dario Piselli.** SwissInfo.ch ‘Have Lessons Been Learned From Science on Climate Effects?’ by Paula Dupraz-Dobias.

19 May 2021: **Bill Adams.** Geneva Solutions, ‘Can war crimes be committed against animals?’.

3 June 2021: **Marc Hufty.** RTS, ‘Les exportations sud-américaines de viande pourraient prendre un tournant’.

7 July 2021: **Dario Piselli.** Facilitator at Wilton Park Joint Consultation on Health Data Governance Principles, online event.

8 July 2021: **Susanna Hecht.** UCLA - Latin American Institute, ‘Susanna Hecht named director of the UCLA Center for Brazilian Studies’.

9 July 2021: **Pedro Cayul.** MiradasMipp, ‘Proyectos de Datos Mapuche – MDP – muestra un récord en la representación política del pueblo mapuche’.

13 July 2021: **Shaila Seshia Galvin.** Cornell University, ‘Becoming Organic: Nature and Agriculture in the Indian Himalaya, Shaila Seshia’.

14 July 2021: **Pedro Cayul.** MiradasMipp, ‘Proyecto de Datos Mapuche: desafíos en la definición de los mapuche en Chile’.

3 August 2021: **Pedro Cayul**. Intrafish, "It's collateral damage': Salmon farming industry ensnared in fight for indigenous rights."

11 October 2021: **Iida Lehto**. The Graduate Institute, "When youth gather for climate change - Youth4Climate Summit".

11 September 2021: **Filipe Calvão**. RT, 'Conflict diamonds may be virtually extinct in 2021, but your sparkler could still be a blood diamond financing rogue regimes'.

16 October 2021: **Marc Hufty**. RTS, 'Allô la terre!'.

26 October 2021: **Marc Hufty**. Invited to attend "Swisstainability" event in Guadalajara, Mexico, in context of the 75th anniversary of diplomatic relations between Mexico and Switzerland.

29 October 2021: **Joëlle Noailly**. Letemps.ch, 'La planète suspendue aux négociations climatiques'.

8 November 2021: **Joëlle Noailly**. RTS info, 'A mi-parcours, la COP26 oscille entre espoirs et critiques'.

15 November 2021: **Laura M. Nowzohour**. Moderator of the panel discussion "Reconciling Ecology and Economy: A Realist Approach".

22 November 2021: **Joëlle Noailly**. Letemps.ch, 'Quel bilan tirer de la COP26?'.

14 December 2021: **Filipe Calvão**. TV5MONDE, 'Perenco, la low-cost du pétrole.'



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