

ENVIRONMENTAL POLICIES RESEARCH GROUP



This research group examines the role of public policies in the field of environment in the broadest sense. It includes research in the fields of sustainable development, climate change, green growth and, more recently, energy and ecological transitions. It aims at making sense of the transition dynamics at work and to shed light on choices made by policy-makers and actors.

Thematically, this research group includes a set of research studies that evaluate such policies by focusing on the production of data, expertise and knowledge, the boundaries and limits of public regulation, and the functioning of the vast array of organisations (public, private, civil society) that contribute to environmental regulation. This research combines theoretical approaches and investigation methods from social sciences (political science, economics, sociology), natural sciences, and life sciences. This interdisciplinary approach allows us to respond to the challenges raised by the evaluation of environmental policies: actions conducted at multiple levels (international, European, national, local); a diversified "toolbox" (law, taxation, incentives, etc.); disjointed temporalities and uncertainties; strong permeability to context effects.

Co-directors:

Charlotte HALPERN



Tenured researcher in political science at Centre for European Studies and Comparative Politics (Sciences Po). Her research focuses on

the governing of ecological transitions from a governance and a public policy perspective. She is the director of the forthcoming Institute for Environmental Transformations.

Martin HENDEL



Associate Professor at ESIEE Paris and member of Laboratoire Interdisciplinaire des Energies de Demain (LIED). His research

focuses on the study of urban cooling techniques, from the thermal behaviour of urban surfaces under heat wave conditions to decision support tools at the city project scale, including urban cooling technique evaluation.

Affiliated members:

- Toshi ARIMURA
- Anne-Laure BEAUSSIER
- Benjamin CASHORE
- Anneliese DEPOUX
- Teresa HAUKKALA
- Cristina PEÑASCO
- Marc RINGEL
- Morgan UBEDA

Visiting scholars 2024 :

- David Gordon (2024)
- Michael Sullivan (2024)
- Zsolt Boda (2024)

Residents :

- Teresa Haukkala (2023-2025)
- Alec Kahn (2023-2024)
- Matteo Mandelli (2023-2024)

Main research partners:



Actual research themes

- European policies: energy efficiency, anti-greenwashing
- Energy efficiency and transition: energy, buildings
- Carbon taxes
- Impact of crises on energy transition policies
- Decarbonation public policies: health, roads, aviation, etc.
- Ecosocial policies and social risks
- Urban agriculture
- Local climate plans (EU, Southeast Asia, US),
- Measures to combat urban warming (Singapore and Paris)
- Ecological planning and greening of the State.

New research projects

Empowering Consumers for the Green Economy Transition: can the European experience with consumer protection offer useful insights for policymakers in ASEAN?

The role of demand-side adjustments to the green transition has come into focus for policymakers in Europe and Southeast Asia (ASEAN), especially with respect to consumer behaviour. In both regions, policymakers have begun looking at new regulations to support demand-side solutions by (a) providing consumers with accurate information regarding the climate impact of goods and services and (b) protecting consumers from misleading information regarding the same. The project's focus is to examine the way in which rulemaking with respect to demand-side aspects of green transition is occurring at the regional level in Europe (EU) and in Southeast Asia (ASEAN) and the lessons that may be learned to promote better rulemaking in the future.

Mapping the social risks of environmental transitions

It is becoming increasingly evident how both climate change and green transition policies will give rise to a new wave of social risk for the welfare state to address, which we hereby call eco-social risks. While the literature investigating the social-climate nexus is expanding, a widespread tendency towards normativity and conceptual-analytical fuzziness in this literature still prevents us to precisely understand both these risks and their political implications. Against this background, the research project has a twofold goal:

First, it aims to provide an empirically-applicable definition and classification of eco-social risks, thereby also identifying appropriate indicators to measure who and where these risks can be expected to impact the most.

Second, focusing on the European Union and its Member States and studying the case of the increasing risk of energy poverty, the project also aims to map and compare existing (supranational and national) eco-social policies, while also investigating the (supranational) politics behind them.

Decarbonising the healthcare sector: what challenges for public policies?

This project, led by LIEPP's Environmental Policies and Health policies research groups, questions the decarbonisation of the healthcare system. This will be a major challenge over the coming decade. The United Kingdom estimates that this sector of activity is responsible for around 4% of national CO₂ emissions, 40% of which are attributable to the public sector (Van de Hove, & Leng, 2019). Through its direct and indirect emissions, it makes a significant contribution to climate change. The WHO has since launched its own appeal to include global health programmes in the objectives of the Paris Agreement, and more than 50 countries taking part in COP 26 in Glasgow committed to working towards a net-zero global health system (WHO), as well as adopting national roadmaps. In addition to these initiatives, a myriad of proposals have been put forward by expert bodies and think tanks, such as the Swiss Academies of Science and the Shift project, as well as by hospitals.

Scientific events (selective)

- **11/12/2023 The Comparative Politics of Just Transition Policies: How and why the new social risks of decarbonisation were addressed in Spain and Ireland**, organized with the Socio-fiscal policies research group
- **05/12/2023 Side event COP28: Low carbon and climate-resilient health care: global perspectives on solutions and practices**, organised with the University of Heidelberg
- **01/12/2023 Side Event COP28 : Pertes et préjudices: un mécanisme de justice climatique ?**, organised with GDR ClimaLex
- **21/11/2023 Changement climatique : quelle communication scientifique ?**
- **20/11/2023 Roles of Big Data Analytics in Governing Urban Energy Transitions**
- **06/07/2023 Four Faced How Sustainability Governance is Failing our Planet and What to Do About it**
- **20/06/2023 Décarboner la route, une grande cause nationale** organised with l'Hémicycle, Mobiclette with the support of Vinci Autoroutes
- **03/05/2023 Décarboner le système de santé: quels enjeux pour les politiques publiques ?** organisé avec l'axe Politiques de santé, EHESP et Centre Virchow-Villermé, avec le soutien de la Chaire Santé de Sciences Po.
- **14/05/2024 Mobilité Décarbonées ?** A. Passalacqua, M. Sullivan, C. Halpern.
- **29/11/2023 Une économie qui tourne en rond ?** A. Halog, T. Haukkala, A. Missemmer
- **30/05/2023 Agriculture et cycle de l'azote**, D. Kanter, P. Chatzimpiros

Joint seminars with the LIED (Laboratoire interdisciplinaire des Energies de Demain)

Selected Publications

- **BRUNN, Matthias, MOLINIE, Guilhem, PADGET, Michael, DARIEL Odessa, ZARCA, Kevin**, Comment choisir un soin durable ? Faisabilité d'un modèle de décision « médico-éco-climatique » pour la prise en charge de la dépression. *Sciences Po LIEPP Working Paper* n°162, Avril 2024.
- **Matthieu WEMAËRE**, Comment faire face à l'injustice climatique ? La COP 28 et le Fonds "Pertes et Préjudices". March 2024.
- **Eric HERBERT, Marie-Cécile DUPAS, Sophie PARISON, Vincent NOEL, Petros CHATZIMPIROS**, Anticiper les pertes de production liées aux énergies renouvelables pour faciliter la transition énergétique : l'exemple du secteur agricole. *Sciences Po LIEPP Policy Brief* n°71, March 2024.
- **David KANTER**, A new approach to nutrient pollution governance in France and the EU. *Sciences Po LIEPP Policy Brief* n°70, November 2023.
- **Charlotte HALPERN**, Fiches méthodologiques LIEPP: Entretiens de groupe, n°16, 2023.
- **Cristina, PENASCO, Laura, DIAZ ANADON**, The adoption of energy efficiency measures in households: Effective for all and for ever?. *Sciences Po LIEPP Policy Brief* n°66, July 2023.
- **Camille, SALESSE**, Des cocktails délétères : Les inégalités d'exposition aux pollutions de l'air en France. *Sciences Po LIEPP Policy Brief* n°64, March 2023.
- **Céline MAVROT, Fritz SAGER, Markus HINTERLEITNER, David KAUFMAN, Martin GROSJEAN, Thomas STOCKER**, Quelle communication scientifique dans la lutte contre le changement climatique ?, *Sciences Po LIEPP Policy Brief*, n°63, February 2023.