

FELIX SCHAUMANN

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POSITIONS

- Ciriacy-Wantrup Postdoctoral Fellowship** 2026–
Energy and Resources Group, UC Berkeley
Two-year position in Natural Resource Economics and Political Economy at UC Berkeley
- International Max Planck Research School on Earth System Modelling** 2022–2025
Max Planck Institute for Meteorology, Hamburg
PhD scholar in collaboration with Universität Hamburg

EDUCATION

- PhD in Sustainability Economics** defense: Sept. 2026
ETH Zürich, D-MTEC
Supervised by: Prof. Moritz Drupp, Prof. Lint Barrage
- M.Sc. Integrated Climate System Sciences** 2019–2022
Universität Hamburg
with distinction
Thesis: A Philosophically Informed Evaluation of Integrated Assessment Models
Supervised by: Prof. Moritz Drupp
- B.Sc. Physics** 2015–2019
Technische Universität Dresden
Thesis: Investigation of nonhyperbolic dynamical systems
Supervised by: Prof. Holger Kantz (*MPI for the Physics of Complex Systems*)

AWARDS AND FUNDING

- Joachim Herz Add-on Fellowship** 2024
Fellowship for interdisciplinary economics and interdisciplinary business administration
- Joachim Herz Award** 2024
Research grant for interdisciplinary economics awarded to MEEP project (500,000€)
- Berkeley–Hamburg Research Fellowship** 2023
Three-month graduate student scholarship at UC Berkeley
- Young Climate Scientists Award** 2022
Award for outstanding Master thesis by CEN research center, Hamburg

PUBLISHED PAPERS

- Schaumann & Alastrué de Asenjo (2025)**
Weakening AMOC reduces ocean carbon uptake and increases the social cost of carbon. *PNAS* 122 (9). DOI: 10.1073/pnas.2419543122
Selected media mentions: *Forbes*, *The Independent*, *FAZ*, *Tagesschau*, *ZEIT*, *Standard*, *GEO*
- Rödder & Schaumann (2022)**
“It’s something that I do every day.” Exploring interdisciplinarity and stakeholder engagement in tsunami science. *Frontiers in Earth Science*, 10. DOI: 10.3389/feart.2022.949803

WORKING PAPERS

- Alastrué de Asenjo[†] & Schaumann[†] (in review)**
How much AMOC weakening would cool Europe in a warming climate?
[†] Both authors contributed equally.
- Orlov, . . . , Schaumann, . . . & Sillmann (in review)**
Quantifying the Cost of Climate Change Impacts: Limitations and Frontiers of Economic Models.
Preprint: <https://dx.doi.org/10.2139/ssrn.5493267>
- Schaumann, Anthoff, Hänsel, Moore, Rennels, Rising & Drupp (in prep.)**

Structural modelling interactions and the social cost of carbon

Schaumann (in prep.)

Quantifying AMOC Uncertainty in European Climate Damage Projections

Schaumann, Baehr, Drupp, Hedemann & Heilmann (in prep.)

What to expect of integrated assessment models: a call for clarity

WORK IN PROGRESS

The effect of adaptation on efficient climate mitigation burdens

Felix Schaumann

A climate economist's guide to the treatment of geophysical tipping points in IAMs

Simon Dietz, Felix Schaumann & Thomas Stoerk

Assessing the effect of AMOC-induced temperature patterns on the social cost of carbon

Jordis Hansen, Eduardo Alastrué de Asenjo, Johanna Baehr & Felix Schaumann

Identifying the global economic impact of air pollution

Luis Sarmiento, Piero Basaglia, Moritz Drupp, Hannah Klauber, Lutz Sager & Felix Schaumann

Air pollution, soil degradation, and carbon sequestration

Piero Basaglia, Moritz Drupp, Nico Eisenhauer, Carlos Guerra, Martin Quaas & Felix Schaumann

TEACHING & SUPERVISION

Master thesis supervision

2025-2026

M.Sc. Integrated Climate System Sciences, University of Hamburg

Topic: "Assessing the effect of AMOC-induced temperature patterns on the global social cost of carbon", written by Jordis Hansen

Advanced Environmental Economics

summer term 2024

M.Sc. Economics program, University of Hamburg

- newly developed and co-taught with Moritz Drupp and Jonas Grunau
- see Github course repository

PRESENTATIONS

EAERE 31st Annual Conference

upcoming

EGU General Assembly

upcoming

Zürich Environmental Economics Workshop

2026

Malmsten Workshop in Sustainability Economics, Gothenburg

2026

Nordic Tipping Week, Helsinki

2025

EGU General Assembly

2025

Econometric Society Interdisciplinary Frontiers: Climate Science

2025

Junior AURÖ Workshop, Mannheim

2025

EAERE 29th Annual Conference

2024

EGU General Assembly

2024

AGU Annual Meeting

2023

EGU General Assembly

2023

15th Integrated Assessment Modeling Consortium Annual Meeting

2022

12th International Sustainability Transitions Conference

2021

WORKSHOPS AND SUMMER SCHOOLS

2025: Summer School on Climate Impacts and Equity (*Utrecht University*), CESifo Area Conference on Energy & Climate Economics (*ifo Institute, Munich*)

2024: Climate Challenge and Economic Policy (*University of Zürich*), Deep Learning for Solving Dynamic Stochastic Models (*University of Leipzig*), Mapping Effects of Environmental Policies (co-organiser at *Universität Hamburg*),

2023: The Political Economics of Environmental Sustainability (*Stanford University*), The Effects of Climate in the Business Cycle and the Economy (*Federal Reserve Bank of San Francisco*), Summer School on Integrated Assessment Modelling (*CMCC, Milan*),

2022: Earth System Modelling School (*Max Planck Institute for Meteorology*)

PROFESSIONAL SERVICE

- Lead Author for *AMOC in Focus* assessment report** 2026
Chapter 6: The human dimension, responses and solutions
- Co-convenor of EGU session** 2026
AMOC changes and impacts on physical, biogeochemical, and societal systems
- Co-convenor of EAERE thematic session** 2024
Costs of climate change in the presence of tipping points
- External PhD representative** 2022–2023
MPI for Meteorology

OUTREACH & PUBLIC ENGAGEMENT

- Mapping Effects of Environmental Policies (MEEP)** 2024–2027
in collaboration with German Environment Agency (UBA)
- interactive public platform for environmental policy evaluation (prototype stage)
 - jointly with Moritz Drupp, Piero Basaglia, Björn Bos, Lutz Sager & Beaumont Schoeman
- Panel discussions** 2025
- “Klimaforschung und Klimapolitik – Einklang oder Widerspruch?” (Hamburg)
 - “Towards an AMOC tipping point - are we ready?” (Helsinki)
- Science communication** 2022–present
- member of MPI-M social media team (2023–2025)
 - answering student questions at imascientist.de (2022)
 - invited speaker by Gesellschaft Harmonie 1789, Hamburg (2022)
- Blogging and podcasting** 2021–present
- regular author at *Climate Matters* blog
 - occasional podcast host at *ProgressivA* podcast

SKILLS

Programming: Python, Julia (proficient); R, Matlab (intermediate); HTML, GIS, GAMS (basic)
Languages: German, Italian (native); English, Spanish, French (fluent); Catalan (basic)