

# FELIX SCHAUMANN

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## EDUCATION

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**PhD on Integrated Assessment Modelling** *since June 2022*

*MPI for Meteorology & Department of Economics, Universität Hamburg*

Supervised by: Prof. Moritz Drupp, Prof. Hermann Held (*UHH*), Dr. Chao Li (*MPI-M*)

**Research stay** *September - December 2023*

*UC Berkeley*

Visiting student researcher at *Energy & Resources Group, UC Berkeley (Anthoff Lab)*

**M.Sc. Integrated Climate System Sciences** *October 2019 - March 2022*

*Universität Hamburg*

Grade Point Average: 1.07 (with distinction)

**M.Sc. Thesis:** ‘A Philosophically Informed Evaluation of Integrated Assessment Models’

Supervised by: Prof. Moritz Drupp

**B.Sc. Physik** *October 2015 - September 2019*

*Technische Universität Dresden*

Grade Point Average: 1.6

**B.Sc. Thesis:** ‘Investigation of nonhyperbolic dynamical systems’

Supervised by: Prof. Holger Kantz (*MPI for the Physics of Complex Systems*)

**Erasmus+** *September 2017 - June 2018*

*Universitat de València*

## RESEARCH PAPERS

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**Schaumann, F & Alastrué de Asenjo, E (R&R at *PNAS*)**

Weakening AMOC reduced ocean carbon uptake and increases the social cost of carbon.

**Orlov, A, Avakumovic, V, Blanz, B, Borchert, L, Drupp, M, Schaumann, F, Waidelich, P & Sillmann, J (under review at *One Earth*)**

Towards comprehensive economic impact assessments of climate extremes.

**Schaumann, F, Baehr, J, Drupp, M, Hedemann, C & Heilmann, C (in prep.)**

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

**Rödder, S & Schaumann, F (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

## SELECTED WORK IN PROGRESS

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**Structural interactions in climate policy evaluation** *with David Anthoff, Moritz Drupp, Martin Hänsel, Frances Moore, Lisa Rennels, and James Rising*

**Air pollution, soil degradation, and carbon sequestration** *with Pier Basaglia, Moritz Drupp, Nico Eisenhauer, Carlos Guerra, and Martin Quaas*

**An efficiency case against cost-efficient climate mitigation burdens** *single-author*

## AWARDS AND SCHOLARSHIPS

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<b>Joachim Herz Add-on Fellowship</b>	<i>2024</i>
Fellowship for interdisciplinary economics and interdisciplinary business administration → 12,500€	
<b>Joachim Herz Award</b>	<i>2024</i>
Research grant for interdisciplinary economics → 500,000€ (together with Moritz Drupp, Pier Basaglia, Björn Bos, Lutz Sager)	
<b>Berkeley–Hamburg Research Fellowship</b>	<i>2023</i>
Three-month graduate student scholarship at UC Berkeley	
<b>Young Climate Scientists Award</b>	<i>2022</i>
Award for outstanding Master thesis by CEN research center	
<b>International Max Planck Research School on Earth System Modelling</b>	<i>2022</i>
PhD scholarship	

## CONFERENCE PRESENTATIONS

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<b>EAERE 29th Annual Conference</b>	<i>2024</i>
Co-convener of thematic session on climate tipping points	
<b>EGU General Assembly</b>	<i>2024</i>
<b>AGU Annual Meeting</b>	<i>2023</i>
<b>EGU General Assembly</b>	<i>2023</i>
<b>15th Integrated Assessment Modeling Consortium Annual Meeting</b>	<i>2022</i>
<b>12th International Sustainability Transitions Conference</b>	<i>2021</i>

## SUMMER SCHOOLS AND WORKSHOPS

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<b>Climate Challenge and Economic Policy</b>	<i>2024</i>
University of Zürich	
<b>Deep Learning for Solving Dynamic Stochastic Models</b>	<i>2024</i>
University of Leipzig, taught by Simon Scheidegger	
<b>Mapping Effects of Environmental Policies</b>	<i>2024</i>
Hamburg, Joachim Herz Foundation	
<b>Summer School on Integrated Assessment Modelling</b>	<i>2023</i>
RFF-CMCC European Institute for the Economy and the Environment, Milan	
<b>The Effects of Climate in the Business Cycle and the Economy</b>	<i>2023</i>
Federal Reserve Bank of San Francisco	
<b>The Political Economics of Environmental Sustainability</b>	<i>2023</i>
Stanford University	
<b>Earth System Modelling School</b>	<i>2022</i>
MPI for Meteorology	

## TEACHING EXPERIENCE

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<b>Advanced Environmental Economics:</b>	<i>summer term 2024</i>
<i>Empirical and Modelling Approaches</i>	
co-taught with Moritz Drupp and Jonas Grunau	
M.Sc. Economics program at University of Hamburg	

## TECHNICAL SKILLS

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Programming Skills: **Python, Julia** (proficient), **R, Matlab** (intermediate)  
Other: **GAMS, GIS, HTML** (basic), **Linux shell, Plotly** (intermediate)

## LANGUAGES

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Native level: **German, Italian**  
Fluent: **English, Spanish, French**  
Learning: **Farsi, Catalan**

## EXTRACURRICULAR

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**Science Communication:** imascientist.de, Covid modelling communication support, MPI-M social media team, invited speaker by Gesellschaft Harmonie 1789  
**Elected roles:** External PhD representative at MPI-M (2022-2023)  
**Volunteering:** *Bergwaldprojekt* forestry project & *Lindenbichl* children summer camp  
**Blogging & Podcasting:** *Climate Matters* blog & *ProgressivA* podcast  
**Theatre:** Directed *Der Privatmann bin ich*, on stage at *Das große Heft*.  
**Sports:** Climbing, hiking, biking, football, ...