

Niklas Schoch

+49 176 72176782 | niklas.schoch@sciencespo.fr | niklasschoch.github.io

Education

Sciences Po Paris

PhD Candidate - Department of Economics

Paris, France

09/2022 – present

- Research on industrial decarbonisation, investment decisions, and market-based climate policy

Columbia University

Visiting Alliance Fellow - Department of Economics

New York, USA

01/2025 – 04/2025

- Research fellowship in industrial organisation and energy economics

Universität Mannheim

Master of Science - Economics

Mannheim, Germany

09/2018 – 06/2021

- Grade: 1.2 / 5.0 (top 5%, with distinction)

Johann Wolfgang Goethe-Universität

Bachelor of Science - Economics and Business Administration, Major in Economics

Frankfurt, Germany

10/2013 – 08/2017

- Grade: 1.2 / 5.0 (top 5%, with distinction)

Work Experience

International Energy Agency (IEA)

Junior Energy Analyst (part-time), Power Markets Division

Paris, France

07/2023 – 02/2024

- Quantitative analysis of nuclear power sector and industrial demand for the “Electricity 2024” outlook

Conseil d'Analyse Économique (CAE)

Policy Research Collaboration

Paris, France

01/2023 – 06/2023

- Economic modelling of carbon pricing in global production networks for a CAE Focus paper

Institute of Energy Economics at the University of Cologne (EWI)

Research Associate, Energy Economics

Cologne, Germany

09/2021 – 07/2022

- Consulting projects using quantitative analyses of energy markets and climate policy

Leibniz-Zentrum für Europäische Wirtschaftsforschung (ZEW)

Intern, then Research Assistant, Environmental and Resource Economics

Mannheim, Germany

07/2019 – 06/2021

- Empirical analyses on the impact of climate finance and renewable energy deployment

Mannheim Center for Evaluation and Development (C4ED)

Research Assistant, Chair of Econometrics

Mannheim, Germany

10/2018 – 04/2019

- Structured synthesis of scientific evidence on climate adaptation for policy design

PricewaterhouseCoopers GmbH, Advisory

Intern, Economics & Policy

Frankfurt, Germany

03/2018 – 05/2018

- Data-driven analysis and predictive modelling in economics and policy advisory projects

Deloitte GmbH, Transaction Services

Intern, Commercial Due Diligence

Frankfurt, Germany

11/2017 – 02/2018

- Market and competition analysis in a transaction context

Technical Skills

Languages: German (Mother Tongue), English (Fluent), French (Basic)

IT/Programming Skills: Excel, R, Java, Python, Stata & Mata, MATLAB

GRE: Quant 166 (87th percentile), Verbal 164 (94th percentile), Analytical Writing 5.0 (92nd percentile)

Publications

- “Local Economic Impacts of Wind Power Deployment in Denmark”, *Environmental and Resource Economics*, 2025 (with Claire Gavard and Jonas Göbel)

Working Paper

- “Climate Finance and Emission Reductions: What Do the Last Twenty Years Tell Us?”, *ZEW Discussion Paper*, 2021 (with Claire Gavard, Revised & Resubmitted at *Environment and Development Economics*)
- Emissions Trading, Market Power, and Endogenous Cap Adjustments (with Tom Brinker and Simon Quemin)
- Climate Policy, Industry Concentration and Technology Adoption: Evidence from the French Cement Industry (*Job Market Paper*)

Work in Progress

- Escaping the Uncertainty: Prices vs. Quantities with Long-Term Investment (with Diego Cussen)

Policy Reports

- “Electricity 2024: Analysis and forecast to 2026”, *International Energy Agency (IEA) Report*, 2024 (with Eren Çam, Zoe Hungerford, Francys Pinto Miranda and Carlos David Yáñez de León)
- “Carbon pricing and its implications in input-output networks: the case of France” *Conseil d'analyse économique, Focus No. 96*, 2023 (with Isabelle Méjean)
- “H₂ - Förderkompass: Kriterien und Instrumente zur Förderung von Wasserstoffanwendungen für den Markthochlauf”, *EWI Policy Study*, 2022 (with Lena Pickert, Patricia Wild and Konstantin Gruber)
- “Regulatorische (Fehl-)Anreize bei der Produktion von grünem Wasserstoff”, *EWI Policy Brief*, 2022 (with Eren Çam and Samir Jeddi)

Teaching & Other Academic Activities

- “Introduction to Environmental Economics”, TA (Undergraduate, Sciences Po, Spring 2023, Spring 2024, Fall 2024)
- “Understanding Global Environmental Challenges”, TA (Graduate, Sciences Po, Spring 2024, Fall 2024)
- “Tackling Environmental Challenges: Policy Instruments for Sustainability”, TA (Graduate, Sciences Po, Fall 2024)
- “CIVICA European Week: Ecological Transitions: Cities on the frontline”, Tutor (Undergraduate, Sciences Po, Summer 2023)
- “CLS Internal Ph.D.-Seminar”, Co-Organiser (Graduate, Sciences Po, Fall 2023-now)
- “Econometrics using R”, Lecturer (Undergraduate, Sciences Po, Spring 2023)
- “Sustainable Businesses and Moral Markets”, TA (Graduate, Sciences Po, Fall 2022)