

# Leonard Missbach

Mercator Research Institute on Global Commons and Climate Change, Berlin, Germany

E-mail: [l.missbach@posteo.de](mailto:l.missbach@posteo.de)  
Website: [lmissbach.github.io](https://lmissbach.github.io)

## Education

05/2021 – present **Technische Universität Berlin**, Germany  
Ph.D. student in Economics  
Committee: Gesa Geißler (chair), Ottmar Edenhofer, Jan Steckel, Jann Lay

10/2017 – 08/2020 **Technische Universität Berlin**, Germany  
**M. Sc.** Industrial Engineering

08/2014 – 02/2015 **Sabancı Üniversitesi**, Istanbul, Turkey  
Manufacturing Systems Engineering

10/2012 – 11/2016 **Technische Universität Dortmund**, Germany  
**B. Sc.** Industrial Engineering

## Academic employment

09/2020 – present **Mercator Research Institute on Global Commons and Climate Change**, Berlin, Germany  
Researcher and Ph.D. student

03/2019 – 08/2020 **Mercator Research Institute on Global Commons and Climate Change**, Berlin, Germany  
Research assistant

01/2018 – 03/2019 **Technische Universität Berlin**, Germany, Research department Handling and Assembly Technology Research  
Research assistant

## Teaching

10/2022 – 07/2024 *Selected advanced topics in development, environmental and public economics*  
Seminar (English), **Technische Universität Berlin**, Germany  
With Linus Mattauch, Franziska Funke

04/2022 – 07/2024 *Public Economics („Wirtschaftspolitik“)*  
Exercise (German) and colloquium (German), **Technische Universität Berlin**, Germany  
With Linus Mattauch, Marco Runkel

04/2021 – 03/2022 *Empirically Assessing the Distributional Effects of Carbon Pricing*  
Seminar (English/German), **Humboldt Universität Berlin/Berlin University Alliance**, Germany

04/2019 – 03/2021 *Projektwerkstatt Kontrast*  
Seminar (German), **Technische Universität Berlin**, Germany  
With Klaas Miersch

## Research – Working papers

**Missbach**, Steckel. [Distributional impacts of climate policy and effective compensation: Evidence from 88 countries](#).

**Missbach**, Steckel, Renner, Kraus. [Coal-fired power plants and industrial development](#).

## Research – Publications

**Missbach**, Steckel, Vogt-Schilb. [Cash transfers in the context of carbon pricing reforms in Latin America and the Caribbean](#). *World Development* 173 (2024).

**Missbach**, Steckel, Ward. [Assessing distributional effects of carbon pricing in Israel](#). *Energy Policy* 180 (2023).

Biehl, **Missbach**, Riedel, Stemmler, Jüchter, Weber, Kucknat, Odenweller, Nauck, Lukassen, Zech, Grimm. [Wicked facets of the German energy transition – examples from the electricity, heating, transport, and industry sectors](#). *International Journal of Sustainable Energy* (2023).

Steckel, **Missbach**, Ohlendorf, Feindt, Kalkuhl. [Effects of the energy price crisis on European households. Socio-political challenges and policy options](#). MCC Working Paper (2022).

Steckel, Dorband, Montrone, Ward, **Missbach**, Hafner, Jakob, Renner. [Distributional impacts of carbon pricing in developing Asia](#). *Nature Sustainability* 4, 1005-1014 (2021).

Steckel, Renner, **Missbach**. [Distributional Impacts of Carbon Pricing in Low- and Middle-Income Countries](#). *CEifo Forum* 22, 26-32 (2021).

Steckel, **Missbach**. Leaving No One Behind. Carbon Pricing in Israel: Distributional Consequences across Households. *Policy Paper Series* by the Israel Public Policy Institute (IPPI) and Heinrich Böll Foundation Tel Aviv (2021).

### Research – Work in progress

Aggarwal, **Missbach**, Steckel, Somanathan, Sterner. Negative health effects of a carbon price can outweigh the climate benefits in developing countries.

Niemann, **Missbach**, Konc, Mattauch. Effective environmental taxes when production rates are fixed.

Mohammadzadeh Valencia, Bez, Castañeda Rodriguez, **Missbach**, Steckel, Garcia Lopez, Bonilla Londoño. Can compensatory policies increase public support for fossil fuel subsidy reform in Colombia?

**Missbach**, Steckel. Appliance uptake across low and middle income countries – evidence from micro household data.

**Missbach**, Feindt, Schiefer, Steckel, Ward. A cross-country dataset on household-level carbon footprints and carbon intensity of consumption.

Majcher, **Missbach**, Zeyen, Klein, Steenkamp. Distributional effects of carbon pricing in South Africa.

### Scientific and public talks

2024: Envecon, AURÖ Workshop, 1<sup>st</sup> Berlin Applied Causal Graphs Workshop, EAERE, EEA

2023: Verein für Socialpolitik, Summer Science Slam of Volkswagen Foundation, FossilExit seminar

2022: German Development Economics Conference, EAERE, SETI Annual Workshop, EEA, LEADS

2021: EAERE, EFD Annual Meeting, LCOY

### Review activities

PNAS, Energy Economics, World Development, Nature Energy, Joule, Scientific Data, Joule, Climate Policy, Environmental Development, Carbon Management

### Scholarships and activities

09/2020 – 08/2023

#### Deutsche Bundesstiftung Umwelt (DBU)

Full Ph.D. Scholarship

09/2022

#### European University Institute, Florence, Italy

Summer School on Economic Foundations for Energy and Climate Policies

09/2019

#### Univerzitet u Sarajevu, Bosnia and Herzegovina

Summer School

09/2018

#### Tongji University, Shanghai, VR China

Summer School

### Languages

German (C2), English (C1), Spanish (B2), French (B1)

Last updated: September 2024