

## PERSONAL INFORMATION

Address University of Basel, Faculty of Business and Economics  
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Google Scholar <https://scholar.google.ch/citations?hl=en&user=6br0JWUAAAAJ>

## EMPLOYMENT HISTORY

Since 2023 Professor of Public Economics, University of Basel

2015-2023 Associate Professor of Public Economics, University of Basel

2010-2015 Assistant Professor of Public Economics (tenure track), University of Basel

2009-2010 Postdoctoral researcher, ETH Zurich, Centre for Energy Policy and Economics

2006-2008 Teaching and Research Assistant, University of Maryland, USA

2005-2006 Short-term Consultant, World Bank, Washington DC, USA

2001-2004 Research Associate, Radioactive Waste Management Associates, New York, USA

## EDUCATION

2004-2009 University of Maryland, USA  
Degrees: M.S. (2007) and Ph.D. (2009) in Agricultural and Resource Economics

1994-2000 ETH Zurich, Switzerland  
Degree: M.S. in Environmental Sciences

## OTHER AFFILIATIONS AND MEMBERSHIPS

Research Fellow of the CESifo Research Network.

Association of German-speaking Economists – Chapter of Env. and Resource Economists (AURÖ).

Member of the American Economic Association; European Association of Environmental and Resource Economics; Association of Environmental and Resource Economists; Swiss Society of Economics and Statistics; Verein für Socialpolitik.

## RESEARCH INTERESTS

Environmental economics; public economics; behavioral public finance; valuation of non-market goods; health economics; economics of transportation.

## TEACHING ACTIVITIES

Bachelor level: Fundamentals of Public Economics (3 CP); Bachelor Seminar in Public and Environmental Economics (12 CP)

Master level: Public Economics (3 CP); Seminar in Public Economics (6 CP); Economics of Public Policy (3 CP); Informing Public Policy (3 CP). Program Lead, Master of Economics and Public Policy

**ARTICLES PUBLISHED IN PEER-REVIEWED JOURNALS**

- Hintermann, B., Schoeman, B., Molloy, J., Schatzmann, T., Tchervenkov, C. and Axhausen, K. (2023). The impact of COVID-19 on mobility choices in Switzerland. *Transportation Research Part A (accepted)*.
- Hintermann, B. and Ludwig, M. (2023). Home Country Bias in International Emissions Trading: Evidence from the EU ETS. *Resource and Energy Economics*, 71, Article Nr. 101336. [\[Open Access\]](#)
- Molloy, J., Castro, A., Götschi, T., Schoeman, B., Tchervenkov, C., Tomic, U., Hintermann, B., and Axhausen, K.W. (2022). The MOBIS dataset: a large GPS dataset of mobility behaviour in Switzerland. *Transportation*, <https://doi.org/10.1007/s11116-022-10299-4>. [\[OA\]](#)
- Molloy, J., Schatzmann, T., Schoeman, B., Tchervenkov, C., Hintermann, B. and Axhausen, K.W. (2021). Observed impacts of the Covid-19 first wave on travel behaviour in Switzerland based on a large GPS panel. *Transport Policy*, 104:43-51 [\[OA\]](#).
- Hintermann, B. and M. Žarković (2021). A carbon horse race: Abatement subsidies vs. permit trading in Switzerland. *Climate Policy*, 21(3):290-306.
- Molloy, J., Tchervenkov, C., Hintermann, B. and Axhausen, K.W. (2020). Tracing the Sars-CoV-2 Impact: The First Month in Switzerland. *Transport Findings*, May. [\[OA\]](#)
- Armbruster, S. and Hintermann, B. (2020). Decentralization with porous borders: Public production in a federation with tax competition and spillovers. *International Tax and Public Finance*, 27(3): 606-642 [\[OA\]](#).
- Hintermann, B. and Gronwald, M. (2019). Linking with Uncertainty: The Relationship between EU ETS Pollution Permits and Kyoto Offsets. *Environmental and Resource Economics*, 74(2), 761-784. [\[OA\]](#).
- Kuhlmeier, F. and Hintermann, B. (2019). The welfare costs of Tiebout sorting with true public goods. *International Tax and Public Finance*, 26(5), 1166-1210. [\[OA\]](#)
- Hintermann, B. and Rutherford, T. F. (2017). Social planning and coercion under bounded rationality with an application to environmental policy. *International Tax and Public Finance*, 24(5), 854-878.
- Hintermann, B. (2017). Market power in emission permit markets: Theory and evidence from the EU ETS. *Environmental and Resource Economics*, 66(1), 89-112.
- Hintermann, B. (2016). Pass-through of CO2 emission costs to hourly electricity prices in Germany. *Journal of the Association of Environmental and Resource Economists*, 3(4), 857-891.
- Hintermann, B., Peterson, S. and Rickels, W. (2016). Price and Market Behavior in Phase II of the EU ETS: A Review of the Literature. *Review of Environmental Economics and Policy*, 10(1), 108-128.
- Fell, H., Hintermann, B. and Vollebergh, H. (2015). Carbon content of electricity futures in Phase II of the EU ETS. *The Energy Journal*, 36(4).
- Higgins, N., Hintermann, B. and Brown, M. E. (2015). A model of West African millet prices in rural markets. *Food policy*, 52, 33-43.
- Götschi, T. and Hintermann, B. (2014). Valuing public investments to support bicycling. *Swiss Journal of Economics and Statistics*, 150(4), 297-329.
- Hintermann, B. and Lange, A. (2013). Learning abatement costs: On the dynamics of the optimal regulation of experience goods. *Journal of Environmental Economics and Management*, 66(3), 625-638.
- Gans, W. and Hintermann, B. (2013). Market effects of voluntary climate action by firms: Evidence from the Chicago Climate Exchange. *Environmental and Resource Economics*, 55(2), 291-308.
- Hintermann, B. (2012). Pricing emission permits in the absence of abatement. *Energy Economics*, 34(5), 1329-1340.
- Hintermann, B. (2011). Market power, permit allocation and efficiency in emission permit markets. *Environmental and Resource Economics*, 49(3), 327-349.

Hintermann, B. (2010). Allowance price drivers in the first phase of the EU ETS. *Journal of Environmental Economics and Management*, 59(1), 43-56.

Hintermann, B., Alberini, A. and Markandya, A. (2010). Estimating the value of safety with labour market data: Are the results trustworthy?. *Applied Economics*, 42(9), 1085-1100.

Brown, M. E., Hintermann, B. and Higgins, N. (2009). Markets, climate change, and food security in West Africa. *Environmental Science & Technology*, 43(21), 8016-8020.

#### BOOKS AND BOOK CHAPTERS

Emissions Trading and Market Manipulation (2016). In: S. Weishaar and E. Woerdman (Eds), *Research Handbook on Emissions Trading*, Chapter 5 in Part 2, 89-110. Cheltenham: Edward Elgar.

Emissions Trading as a Policy Instrument: Evaluation and Prospects (2015), with Marc Gronwald (eds). CESifo Seminar Series. Cambridge: MIT Press, 289 pp.

The EU ETS (2015), with Marc Gronwald. In: Gronwald, M. and B. Hintermann (Eds), *Emissions Trading as a Policy Instrument: Evaluation and Prospects*. Cambridge: MIT Press, p. 15-23.

Reassessing the Importance of Permit Allocation Methods in Emission Permit Markets, with I. A. MacKenzie (2011). In: Daniels, J. A. (Ed), *Advances in Environmental Research Vol. 12*, Nova Science Publishers Inc, pp 207-238 ([Open Access](#)).

#### WORKING PAPERS AND WORK IN PROGRESS

Hintermann, B. and Thommen, C. (2022). Price versus Commitment: Managing the Demand for Off-peak Train Tickets in a Field Experiment. *WWZ Working Paper 2021/11*, Faculty of Business and Economics, University of Basel. ([Link](#)).

Hintermann, B., Schoeman, B., Molloy, J., Schatzmann, T., Tchervenkov, C. and Axhausen, K. (2021). The impact of COVID-19 on mobility choices in Switzerland. *WWZ Working Paper 2021/10*, Faculty of Business and Economics, University of Basel. ([Link](#))

Hintermann, B. and Lange, A. (2021). Dynamic policy in the presence of social norms. *Mimeo*.

Reich, S., Hintermann, B. and Zischg, A. (2020). Informed by wet feet: How do floods affect property prices? *WWZ Working Paper 2020/18*, Faculty of Business and Economics, University of Basel. ([Link](#))

Hintermann, B., Žarković, M., Di Maria, C. and Wagner, U. (2020). The effect of climate policy on productivity and cost pass-through in the German manufacturing sector. *WWZ Working Paper 2020/11*, Faculty of Business and Economics, University of Basel. ([Link](#))

Di Maria, C., Žarković, M. and Hintermann, B. (2020). Are emission trading schemes cost-effective? *WWZ Working Paper 2020/13*, Faculty of Business and Economics, University of Basel. ([Link](#))

Hintermann, B. and Minke, M. The value of extending life at its end: Health care allocation in the presence of learning spillovers (2018). *WWZ Working Paper 2018/15*. ([Link](#))

Bondarev, A., Hintermann, B., Krysiak, F. and Winkler, R. The Intricacy of Adapting to Climate Change: Flood Protection as a Local Public Goods Game (2017). *CESifo Working paper No. 6382*. ([Link](#))

#### OTHER PUBLICATIONS

Axhausen, K.W., Molloy, J., Tchervenkov, C., Becker, F., Hintermann, B., Schoeman, B., Götschi, T., Castro, A. and Tomic, U. (2021). Empirical Analysis of Mobility Behavior in the Presence of Pigovian Transport Pricing. Final report for ASTRA. ([Link](#)).

Lustenberger, N., F. Becker, B. Hintermann and K.W. Axhausen (2021) Änderung des Verkehrsverhaltens während der COVID-19 Pandemie. Final report for UE-IFI, Unternehmensentwicklung SBB AG. *University of Basel and IVT, ETH Zurich, AB1695* ([Link](#)).

- MOBIS-COVID 19: Continuous monitoring and reporting of individual mobility in Switzerland, with biweekly updated reports. Joint project with J. Molloy, B. Schoeman, C. Tchervenkov, N. Lustenberger, T. Schatzmann and K. W. Axhausen. ([Link](#)).
- Hintermann, B. and Minke, M. (2020). Medizinische Lerneffekte berücksichtigen. *Volkswirtschaft*, 7/2020: 23-25. ([Link](#))
- Hintermann, B. and Žarković, M. (2020). Carbon pricing in Switzerland: A fusion of taxes, command-and-control, and permit markets. *Ifo DICE Report*, 18(1):35-41. ([Link](#))
- Hintermann, B. (2020). Der Strom für Elektroautos verursacht kein zusätzliches CO<sub>2</sub>. *Tages-Anzeiger*, 21.2.2020. ([Link](#))
- Hintermann, B. (2019). A Guide to EU Renewable Energy Policy: Comparing Europeanization and Domestic Policy Change in EU Member States, edited by Israel Solorio and Helge Jörgens (Edward Elgar, 2017). Book Review published in the *Energy Journal* 40(5): 267-269, 2019.
- Hintermann, B. (2019). Rettet den Eigenmietwert! *Tages-Anzeiger*, 28.2.2019. ([Link](#))
- Hintermann, B. (2019). CO<sub>2</sub>-Reduktionen in der Schweiz dank der EU, *NZZ*, 5.2.2019. ([Link](#))

#### APPROVED GRANTS

- “Reduction of transport emissions due to E-biking in Switzerland (EBIS)”, PI. Swiss Federal Office of Energy (BFE), contract nr. SI/502348-01. Period: 2022 to 2024. Amount funded: CHF 364,000. Additional funding was obtained from the Cantons of BS & BL (23k), AG (22k) and from the city and canton of Zurich (25k each).
- “Pollution, environmental regulation and firm performance”, PI. Swiss National Science Foundation (SNSF), project Nr. 200935. Period: 2022-2023. Amount funded: CHF 173,510.
- “Budget-Zyklen in Schweizer Gesundheitsausgaben”, PI. WWZ Förderverein Project Nr. FV-88. Period: 2021. Amount funded: CHF 25,948.
- “The implications of Covid-19 for mobility-related energy use and external costs”, PI. Swiss Federal Office of Energy (BFE), grant nr. 8100079-05. Period: 2020 to 2022. Amount funded: CHF 171,000.
- “Mode choice and its change during COVID19 restrictions”, Co-PI. SBB-Fonds für die Forschung zum Management im Verkehrsbereich. Period: 2020-2021. Amount funded: CHF 149,500.
- “Empirical analysis of mobility behavior in the context of dynamic pricing (MOBIS)”, Co-PI. Joint project with ETH Zurich and ZHAW, funded by Innosuisse (JA SCCER CREST-Mobility) and the Swiss Federal Department of the Environment, Transport, Energy and Communications (UVEK). Period: 2018-2020. Amount funded: CHF 1,137,100.
- «Auswirkungen und Anreizeffekte der Einführung von Fallpauschalen», PI. WWZ Förderverein Project Nr. FV-62. Period: 2018. Amount funded: CHF 21,960.
- “Estimating the Effect of Climate Policy on Swiss Firms”, PI. WWZ Förderverein Project Nr. FV-63. Period: 2018. Amount funded: CHF 11,619.
- “Measuring the Effectiveness and Efficiency of the European Union Emissions Trading Scheme”, PI. Swiss National Science Foundation (SNSF), project Nr. 163054. Period: 2016-2019. Amount funded: CHF 196,345.
- “The Valuation of Medical Interventions at the End of Life”, PI. Swiss National Science Foundation (SNSF), National Research Programme “End of Life” (NRP 67), project Nr. 145090. Period: 2013-2017. Amount funded: CHF 234,342.
- “Climate Change Extremes and Adaptation Strategies considering Uncertainty and Federalism (CCAdapt)”, Co-PI. Swiss National Science Foundation (SNSF), Sinergia project Nr. CRSIII\_147619.

Period: 2015-2017. Amount funded (total project): CHF 1,516,200. Own part: Financing for one Ph.D. for 3 years.

“Competition about Income or Property Taxation?”, PI. WWZ Förderverein Project Nr. FV-55. Period: 2017. Amount funded: CHF 38,064.

“Integrated Demand, Safety and Impact Model for Bicycling (IDSI BICY)”, Co-PI. Sustainable Development at Universities Programme, Swiss Academics of Arts and Science. Period: 2015-2016. Amount funded: CHF 58,132.

«Wirksamkeit klima- und energiepolitischer Massnahmen - Eine empirische Analyse», Co-PI. WWZ Förderverein Project Nr. FV-22. Period: 2013-2014. Amount funded: CHF 43,019.

“Bewertung des Gesundheitsnutzens des Velofahrens in Basel und Zürich», PI. WWZ Förderverein Project Nr. FV-09. Period: 2010-2011. Amount funded: CHF 34,690.

### CONFERENCE ORGANIZATIONS

Workshop: “Environmental Regulation: Emission Trading and Power Markets.” ETH Zurich, 29-30 September 2017.

CESifo Venice Summer Institute Workshop titled “Emissions trading systems as a climate policy instrument: Evaluation and prospects”, 22-23 July 2013.

### SUPERVISION OF DISSERTATIONS

As main advisor: Florian Kuhlmeier, Matthias Minke, Stephanie Armbruster, Maja Zarkovic, Beaumont Schoeman, Christoph Thommen, Léo Picard, Roman Sieler, Jakob Roth.

As secondary advisor: Stefan Meyer, Rachel Straumann, Sophie Hersberger, Mirjam Kosch (ETH Zurich), Jeremy Van Dijk (University of Neuchatel), Joëlle Velvart, Thomas Schatzmann (ETH Zurich), Tobias Schib.

### COMMUNITY SERVICE

Co-Editor, Resource and Energy Economics (Elsevier), since 2017.

Individual reviewing activities: American Economic Journal: Economic Policy, American Journal of Agricultural Economics, BE Journal of Economic Analyses, Cambridge Elements, Climate Policy, Climatic Change, Environmental and Resource Economics, Ecological Economics, Energies, Energy Economics, Energy Journal, Energy Policy, Environmental Science & Technology, Environment and Development Economics, European Economic Review, Financial Innovation, German Federal Ministry of Education and Research, International Journal of Sustainable Transportation, International Tax and Public Finance, Journal of Benefit-Cost Analysis, Journal of Environmental and Economics and Management, Journal of Public Economics, Journal of Regulatory Economics, Journal of the Association of Environmental Economists, Nature Climate Change, Operational Research, Oxford Economics Papers, Public Finance & Management, Resource and Energy Economics, Scandinavian Journal of Economics, Strategic Behavior & Environment, Sustainability, Swiss National Science Foundation, Transportation.

### INVITED PRESENTATIONS

2022: Wirtschaftsuniversität Wien; 2021: SWEET Webinar, ETH Zurich; 2020: ISI Delhi, ETH Zurich; 2019: College of Europe, Bruges; University of Hamburg. 2018: DIW Berlin, EUI Florence, Aalto University Helsinki. 2017: Ecole Polytechnique Paris, University of Munich. 2016: University of Calgary, UC Berkeley, Chapman University, Univ. of Nevada at Reno. 2015: MCC Berlin, University of Bern, University of East Anglia, University of Hamburg. 2014: ETH Zurich; University of Aberdeen. 2013: ZEW Mannheim; University of Birmingham; USI Lugano; Toulouse School of Economics; Geneva Graduate Institute. 2012:

University of Neuchatel. 2011: University of Hamburg. 2010: University of Wisconsin at Madison; Université de Québec á Montréal; University of Basel. 2009: ETH Zürich; CESifo München. 2008: NASA Goddard Space Flight Center.

**RESEARCH VISITS**

2016: Dept. of Agricultural and Resource Economics, UC Berkeley

2010: CESifo, Munich.

**AWARDS**

Outstanding Doctoral Dissertation-Honorable Mention Award, Agricultural & Applied Economics Association (AAEA), 2010.

Bill Lessley award for best dissertation, Department of Agricultural and Resource, Economics, University of Maryland, 2009.

CV Version: February 2023