

# BERNHARD DALHEIMER

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## RESEARCH INTERESTS

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International trade and global value chains; Food and agricultural supply chain resilience; International food and commodity markets; Food security; Environmental and resource productivity

## EMPLOYMENT

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<b>Assistant Professor</b> , PURDUE UNIVERSITY, USA	SINCE AUG 2023
<b>Visiting Assistant Professor</b> UNIVERSITY OF MINNESOTA, USA	2022 - 2023
<b>Professor <i>ad interim</i></b> , KIEL UNIVERSITY, Germany	2022 - 2022
<b>Postdoc</b> , UNIVERSITY OF GÖTTINGEN, Germany	2020 - 2022
<b>Research Assistant</b> , UNIVERSITY OF GÖTTINGEN, Germany	2017 - 2020
<b>Economist/Statistician/Econometrician</b> , FAO, Italy	2014 - 2016

## EDUCATION

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<b>PhD Economics</b> (Summa cum laude), UNIVERSITY OF GÖTTINGEN	2020
<b>MA Development Economics</b> , UNIVERSITY OF GÖTTINGEN	2016
<b>BSc Economics and Social Sciences</b> , FREE UNIVERSITY OF BOLZANO	2013

## PEER-REVIEWED PUBLICATIONS

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11. Fiankor, D.D.D., **Dalheimer, B.**, Mack, G. (2024). Pesticide Regulatory Heterogeneity, Foreign Sourcing, and Global Agricultural Value Chains. *American Journal of Agricultural Economics*, forthcoming.
10. Hoffmeister, O., **Dalheimer, B.** (2024) A linear model to estimate modal split in international freight transport, based on revealed preferences about cost and time saving. *Journal of Shipping and Trade* 9(28).
9. **Dalheimer, B.**, Parikoglou, I., Brambach, F., Mirawati, Y., Kreft, H. & Brümmer, B. (2024). On the palm oil - biodiversity trade-off: Environmental performance of smallholder producers. *Journal of Environmental Economics and Management*, 152, 102975.
8. Fiankor, D. D. D., **Dalheimer, B.**, Curzi, D., Hoffmeister, O. & Brümmer, B. (2024). Does it matter how we ship the good apples out? On specific tariffs, transport mode, and agricultural export prices. *Agricultural Economics*, 55(3).
7. Dalhaus, T., Steinhübel, L., **Dalheimer, B.**, & Colen, L. (2024). The future of research on sustainable food systems: Building an early-career network of agricultural economists in Europe. *Agribusiness*, 40(2)..
6. Vogel, E., **Dalheimer, B.**, Beber, C., de Mori, C., Palhares, J. C. P., Monteiro Novo, A.L. (2023). Environmental efficiency and greenhouse gas abatement costs of dairy farms from Minas Gerais, Brazil. *Food Policy* 119, 102520.
5. **Dalheimer, B.**, Kubitzka, C. & Brümmer, B. (2022). Technical efficiency and farmland expansion: Evidence from oil palm smallholders in Indonesia. *American Journal of Agricultural Economics*, 104(4): 1364– 1387.
4. Bruns, S., **Dalheimer, B.** & Mußhoff, O. (2022). The effect of cognitive function on the poor's economic performance: Evidence from Cambodian smallholder farmers. *Agricultural Economics* 53(3), 468-480.

3. Berger, J., **Dalheimer, B.**, Brümmer, B. (2021). Effects of variable EU Import Levies on Corn Price Volatility. *Food Policy*, 102, 102063.
2. **Dalheimer, B.**, Herwartz, H. & Lange, A. (2021). The threat of oil market turmoils to food price stability in Sub-Sahara Africa. *Energy Economics*, 93, 105029.
1. Lange, A., **Dalheimer, B.**, Herwartz, H. & Maxand, S. (2021). svars: An R package for data-driven identification in multivariate time series analysis. *Journal of Statistical Software*, 97 (1), 1-34.

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## WORKING PAPERS, CONFERENCE PAPERS & OTHER REPORTS

- Dalheimer, B.** & Bellemare. M. F. (2023). Global Agricultural Value Chains and Food Prices. *Working paper*.
- Dalheimer, B.**, Fiankor, D. D. D. (2022), Food Production Shocks and Agricultural Supply Elasticities in Sub-Sahara Africa. *Draft, conference paper AAEA 2022, Anaheim, CA*.
- Dalheimer, B.** (2019). Feed use in China - A Model Approach. *AMIS IG meeting background paper*.
- Ram, M., **Dalheimer B.**, Gruber, G., et. al. (2019). Global Energy System based on 100% Renewable Energy – Power, Heat, Transport and Desalination Sectors. Study by Lappeenranta University of Technology and Energy Watch Group, Lappeenranta, Berlin, March 2019.
- Kopp, T., **Dalheimer, B.**, Zulkifli, A., Mirawati, Y., Brümmer, B. (2018). Can the South East Asian Rubber Cartel Manipulate International Rubber Prices? *EfforTs Discussion paper series*.
- Dalheimer, B.**, Brümmer, B., Jamali Jaghdani, T. (2017). *Impacts of Export Restrictions on Food Price Volatility*. German Association of Agricultural Economists (GEWISOLA), 57th Annual Conference, Weihenstephan, Germany, September 13-15, 2017.
- Hoffmeister O., **Dalheimer, B.** (2015). Feed use in Food Balance Sheets. *FAO statistics internal technical report*.

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## GRANTS & AWARDS

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|---|-----------|
| <b>Global Implications of the Russia-Ukraine War for Agricultural Trade and Value Chains, Commodity Prices, and Cross-border Investment</b> (Contributor) |           |
| USDA-NIFA-AFRI Grant (AERC 6b. Economics, Markets and Trade)  | 2022      |
| <b>Temporary PI (Eigene Stelle)</b> (3 years, sole PI)  | 2022      |
| German Research Foundation (Deutsche Forschungsgemeinschaft, DFG)   |           |
| <b>DAAD fellowship</b> (6 months, sole PI)  | 2022      |
| German Academic Exchange Service (DAAD)   |           |
| <b>Department of Agricultural Economics and Rural Development</b>   | 2020      |
| START-UP GRANT  |           |
| <b>U4 research mobility scholarship</b>   | 2019      |
| <b>Teaching quality grants</b> for designing and teaching the Course DATA ANALYSIS WITH R IN AGRICULTURAL ECONOMICS                                       | 2018-2021 |
| <b>Bilateral Exchange scholarship</b> FREE UNIVERSITY OF BOZEN-BOLZANO  | 2011      |

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## SOFTWARE

### Software development

- Lange, A., **Dalheimer, B.**, Herwartz, H. & Maxand, S. (2018). *svars: Data-Driven Identification of SVAR Models*. R-Package Version 1.3.6.

## Software skills

Professional: R Statistical Software (incl. shiny, data.table, ggplot2, rcpp and GIS), L<sup>A</sup>T<sub>E</sub>X  
Intermediate: PYTHON, C++, STATA, QGIS, ARCGIS, EViews, GRET, LINUX  
Basic: MATLAB, JULIA, GAMS

## CURRENT TEACHING

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**International Agricultural Trade** SPRING  
Department of Agricultural Economics, PURDUE UNIVERSITY  
**Advanced Microeconomics** SPRING  
Department of Agricultural Economics, PURDUE UNIVERSITY

## PAST TEACHING

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**Microeconomics**, Undergraduate, Department of Agricultural Economics, KIEL UNIVERSITY, Germany; **Econometric Productivity and Trade Analysis**, Graduate, Department of Agricultural Economics, KIEL UNIVERSITY, Germany; **Microeconomics**, Graduate, Department of Agricultural Economics and Rural Development, UNIVERSITY OF GÖTTINGEN, Germany; **Data Analysis with R in Agricultural Economics**, Graduate, Department of Agricultural Economics and Rural Development, UNIVERSITY OF GÖTTINGEN, Germany; **International Trade**, Graduate, Department of Agricultural Economics, UNIVERSITY OF STELLENBOSCH, South Africa; **Productivity and Efficiency Analysis**, Doctoral Certificate Program in Agricultural Economics, Department of Agricultural Economics and Rural Development, UNIVERSITY OF GÖTTINGEN, Germany; **Scientific Programming with R**, Faculty workshop, UNIVERSITY OF JAMBI (UNJA), Indonesia; **Time Series Analysis**, Doctoral Certificate Program in Agricultural Economics, Department of Agricultural Economics and Rural Development, UNIVERSITY OF GÖTTINGEN, Germany; **Agricultural Economics Seminar**, Graduate Seminar, Department of Agricultural Economics and Rural Development, UNIVERSITY OF GÖTTINGEN, Germany; **Agricultural Markets & Policy**, Undergraduate Seminar, Department of Agricultural Economics and Rural Development, UNIVERSITY OF GÖTTINGEN, Germany.

## PROFESSIONAL SERVICE

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**AgEconMeet** - European Network of Early Career Agricultural Economists, member of the board 2021-2023

**Local organizing and scientific committee member** - European Network of Early Career Agricultural Economists EAAE Seminar in Göttingen, 2022

**Referee** for *Oxford Bulletin of Economics and Statistics*, *American Journal of Agricultural Economics*, *Agribusiness*, *Food Policy*, *German Journal of Agricultural Economics*, *Journal of Agricultural and Applied Economics*, *World Development*, *Nature Humanities and Social Sciences Communications*

**Member of faculty hiring board** at University of Göttingen

**Group-speaker** for PhD students at the collaborative research center 990 at the University of Göttingen

## TALKS AND PRESENTATIONS

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2024 **AAEA** annual meeting New Orleans; **GTAP annual meeting, Fort Collins, CO, USA**  
2023 **ASSA** (American Economic Association) Annual Meeting, New Orleans, USA; **SCC-76**, Kansas City, USA; **Congreso Regional de Economía Agraria**, Montevideo, Uruguay; **IATRC** (International Agricultural Trade Research Consortium) annual meeting, Clearwater, FL, USA  
2022 **IATRC**, Clearwater, FL, USA; **AAEA** (American Association of Agricultural and Applied Economists) annual meeting, Anaheim, CA, USA; **AgEconMeet** EAAE Seminar, Göttingen, Germany

- 2021 **AAEA** annual meeting Austin, USA; **EAAE** (European Association of Agricultural Economists) virtual triennial congress, Prague, Czech Republic; **WEAI** (Western Economic Association International), virtual meeting;
- 2020 **NAPW** (North American Productivity virtual Workshop), Miami, USA
- 2019 **AAEA** annual meeting, Atlanta, USA; **EWEP**A (European Workshop on Efficiency and Productivity Analysis), London, UK; **GWISOLA** (Gesellschaft für Wirtschafts- und Sozialwissenschaften des Landbaus), Munich, Germany
- 2018 **NAPW**, Miami, USA; **AAEA**, Washington D.C., USA; **EUBCE** (European Biomass Conference Exhibition) annual conference, Copenhagen, Denmark)
- 2017 **EAAE** triennial congress, Parma, Italy; **IAMO Forum**, Halle, Germany; **GlobalFood** Symposium, Göttingen, Germany

## INVITED TALKS

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- 2024 **OECD** (Organization for Economic Cooperation and Development), Trade and Agriculture Directorate, Paris, France; **USDA ERS** (Economic Research Service), virtual seminar
- 2023 **Iowa State University**, **University of Minnesota**, **Universidad de Cuyo**, **University of Göttingen**, **Swedish University of Agricultural Sciences**
- 2021 **Huazhong Agricultural University** International Conference on Food Economics and Agricultural Sustainability, Huazhong, China; **ZEF** (Center for Development Research, University of Bonn); **DIE** (German Development Institute) Virtual Expert workshop, Bonn, Germany; **UNCTAD** Virtual Research Seminar, Geneva, Switzerland; **BMZ** (German ministry for Economic Development) Commission on Sustainable Economy, Trade and Finance, Berlin, Germany
- 2019 **AMIS** (Agricultural Market Information System) Information Group meeting at FAO, Rome, Italy; **AMIS** Rapid Response Forum (RRF) at WTO, Geneva, Switzerland;

## POPULAR PRESS

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**Dalheimer, B.**, Fiankor, D. D. D. (2024). Pesticide Regulation: Global Divergence Impacts Competitiveness, Consumers. *Global Food Journal (Welternährung)*.

**Dalheimer, B.** (2023). Global food supply chains: shock absorbers or cause of price crises and supply shortages? *Global Food Journal (Welternährung)*.

## CONSULTING

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FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS (FAO)  
 UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT (UNCTAD)  
 GERMAN CORPORATION FOR INTERNATIONAL COOPERATION (GIZ)  
 UNITED WORKSHOPS FOR BIOFUEL TECHNOLOGY (VWP)  
 DEPARTMENT OF AGRICULTURE of Schleswig Holstein, Germany

## RESEARCH VISITS, SUMMER SCHOOL & OTHER EXCHANGES

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UNIVERSITY OF GHENT, Belgium Research stay at Department of Bioscience Engineering	OCT 2019
WAGENINGEN UNIVERSITY RESEARCH, Netherlands WASS Summer School: Theory and Practice of Efficiency & Productivity Measurement: static & dynamic analysis	JUL 2017
NATIONAL SUN YAT-SEN UNIVERSITY, Taiwan Exchange Scholarship Program	SEP 2010-JAN 2011

## LANGUAGES

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Mothertongue: GERMAN  
Professional: ENGLISH, ITALIAN  
Intermediate SPANISH

## REFERENCES

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**Marc F. Bellemare**

Applied Economics

UNIVERSITY OF MINNESOTA

Ruttan Hall, 1994 Buford Avenue  
55108 St. Paul, MN, United States

**Bernhard Brümmer**

Agricultural Economics and Rural Development

UNIVERSITY OF GÖTTINGEN

Platz der Göttinger Sieben 5  
37075 Göttingen, Germany

**Stephan von Cramon-Taubadel**

Agricultural Economics and Rural Development

*University of Göttingen*

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37075 Göttingen, Germany