TERESE E. VENUS

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ResearchGate ◇ Twitter ◇ LinkedIn ◇ Scholar

SUMMARY

- Acquired own funding (€2.6 mil) for junior research group and other project
- Published 10 articles in peer-reviewed journals (5 first author) since 2020
- Leads research group of 6 people and supervised 30+ thesis projects

RESEARCH AREAS

Ecological economics; environmental valuation; bioeconomy; governance; adaptation; restoration

ACADEMIC EXPERIENCE

University of Passau, Germany *03/2023 - Present*
Research Group Leader of Bioeconomy Economics

Technical University of Munich, Germany *02/2022 - 02/2023*
Senior Research Associate at Chair of Agricultural Production and Resource Economics

Technical University of Munich, Germany *10/2017 - 01/2022*
Doctoral Candidate at the Chair of Agricultural Production and Resource Economics

Osnabrück University of Applied Sciences, Germany *11/2014 - 04/2015*
Research Assistant at the Chair of Marketing and Sustainability

Boston College, USA *11/2012 - 08/2013*
Research Assistant

Polish Academy of Sciences, Mammal Research Institute, Poland *07/2012 - 08/2012*
Research Assistant through travel grant

EDUCATION

Technical University of Munich, Germany *10/2017 - 01/2022*
Dr. rer. pol. in Economics
Dissertation Title: Valuing trade-offs between renewable energy and ecosystems

Technical University of Munich, Germany *10/2015 - 09/2017*
M.Sc. in Life Science Economics & Policy (with distinction)

Boston College, USA *09/2011 - 05/2014*
B.A. in Economics; Minors in German & Environmental Studies
Advanced standing for graduating one year early

TEACHING

University Certificate of Teaching, Bavaria *Certificate*
Zertifikat Hochschullehre der Bayerischen Universitäten (2020)

Technical University of Munich, Germany *Lecturer*
Applied Microeconomics and Impact Analysis (PhD): 3 semesters
Econometric Impact Analysis (MSc): 5 semesters

University of Applied Sciences Nürtingen-Geislingen *Invited Guest Lecturer*
Advanced Workshop on the Q-Methodology (PhD): 2022

FUNDING ACQUISITION

ReValueD: bridging the gap between technical knowledge and socio-economic realities 2023-2028
German Federal Ministry of Education and Research (BMBF) *Principal Investigator*

· Total funding: €2.3 Million at the University of Passau

VCFCSA: Value Chain Financing for Climate Smart Agriculture 2020-2023
German Federal Ministry of Education and Research (BMBF) *Contributor*

· Total funding: Approx. €300,000 at the Technical University of Munich

Greening the international coffee value chain 2021-2022
TUM Global Incentive Fund *Contributor*

· Total funding: Approx. €10,000 at the Technical University of Munich

PEER REVIEWED PUBLICATIONS

1. Canessa, C., **Venus, T.E.**, Wiesmeier, M., Mennig, P., Sauer, J. (2023). Incentives, rewards or both for payments for ecosystem services: Drawing a link between farmer preferences and biodiversity levels. **Ecological Economics**, 213, 107954. doi:10.1016/j.ecolecon.2023.107954
2. Villalba, R., **Venus, T.E.**, Sauer, J. (2023). The Ecosystem Approach to Agricultural Value Chain Finance: A Framework for Sustainable Rural Credit. **World Development**, 164, 106177. doi:10.1016/j.worlddev.2022.106177
3. **Venus, T.E.**, & Sauer, J. (2022). Certainty pays off: The public's value of environmental monitoring. **Ecological Economics**, 191, 107220. doi:10.1016/j.ecolecon.2021.107220
4. Vanzo, D., Bejarano, M. D., Boavida, I., Carolli, M., **Venus, T.E.**, & Casas-Mulet, R. (2023). Innovations in hydropeaking research. **River Research and Applications**, 39(3), 277-282. doi:10.1002/rra.4118
5. Straubinger, F. B., **Venus, T. E.**, Benjamin, E. O., & Sauer, J. (2023). Private management costs of Popillia japonica: a study of viticulture in Italy. **Frontiers in Insect Science**, 3, 1176405. doi:10.3389/finsc.2023.1176405
6. Alp M, Batalla RJ, Bejarano MD, … **Venus, T.E.**, et al (2022). Introducing HyPeak: An international network on hydropeaking research, practice, and policy. **River Research Applications**. doi: 10.1002/rra.3996
7. **Venus, T.E.**, Strauss, F., Venus, T. J., & Sauer, J. (2021). Understanding stakeholder preferences for future biogas development in Germany. **Land Use Policy**, 109, 105704. doi:10.1016/j.landusepol.2021.105704
8. **Venus, T.E.**, Bilgram, S., Sauer, J., & Khatri-Chettri, A. (2021). Livelihood vulnerability and climate change: a comparative analysis of smallholders in the Indo-Gangetic plains. **Environment, Development and Sustainability**. doi:10.1007/s10668-021-01516-8
9. **Venus, T.E.**, Smialek, N., Pander, J., Harby, A., & Geist, J. (2020). Evaluating Cost Trade-Offs between Hydropower and Fish Passage Mitigation. **Sustainability**, 12(20), 8520. doi:10.3390/su12208520
10. **Venus, T.E.**, Hinzmann, M., Bakken, T. H., Gerdes, H., Godinho, F. N., Hansen, B., … Sauer, J. (2020). The public's perception of run-of-the-river hydropower across Europe. **Energy Policy**, 140, 111422. doi:10.1016/j.enpol.2020.111422

CHAPTERS IN BOOKS

1. **Venus, T.E.**, Hinzmann, M., & Gerdes, H. (2022). Public acceptance of hydropower. In: Novel Developments for Sustainable Hydropower. Springer International Publishing, Cham, pp 29–40.
2. **Venus, T.E.**, Smialek, N., Adeva Bustos, A., Pander, J., & Geist, J. (2022). Costs of mitigation measures. In: Novel Developments for Sustainable Hydropower. Springer International Publishing, Cham, pp 13–27.

SCIENTIFIC REPORTS

1. Neudert, R., **Venus, T.E.**, Sauer, J., Beckman, V. Review of Production Economics on Restoration of Species-Rich Grasslands. Deliverable for Grassworks, 2022.
2. **Venus, T.E.**, Smialek, N., Pander, J., Harper, R., Adeva-Bustos, A., Harby, A., & Hansen, B. (2020). General Cost Figures for Relevant Solutions, Methods, Tools and Devices. Deliverable 4.3 of the FIThydro project funded under the European Union's Horizon 2020 research and innovation programme GA No: 727830
3. Harby, A., David, L., Adeva Bustos, A., Hansen, B. T., & **Rutkowski*, T.E.** (2019). Functional application matrix for identification of potential combinations of improvement measures. Deliverable 4.2 of the FIThydro project funded under the European Union's Horizon 2020 research and innovation programme GA No: 727830. *Venus.
4. Hinzmann, M., Gerdes, H., **Venus, T.E.**, Bakken, T. H., Dewitte, M., Godinho, F. N., … Pinheiro, A. (2019). Public acceptance of alternative hydropower solutions. Deliverable 5.3 of the FIThydro project funded under the European Union's Horizon 2020 research and innovation programme GA No: 727830.

SUPERVISION AND MENTORING

PhD Projects

1. F. Jäckel. (2023 - present). University of Passau, main supervisor and examiner. Climate change, migration and the development of biomass value webs in Ghana.
2. G. Aza (2023 - present). University of Passau, main supervisor and examiner. The equitable distribution of benefits from the bioeconomy: case studies from Latin America.
3. D. Santiago (2023 - present). University of Passau, main supervisor and examiner. Rural development and the bioeconomy: case studies from the Philippines.
4. M. Ptacek (2022 - present). TU Munich, daily supervisor. The economics of grassland restoration in Germany.
5. F. Straubinger (2022 - present). TU Munich, daily supervisor. Socio-economic analysis of the potential impact of the invasive Japanese beetle in Europe.
6. C. Canessa (2021 - present). TU Munich, daily supervisor. An economic analysis of agri-environmental payments in Europe.
7. R. Villalba (2019 - present). TU Munich, daily supervisor. Agricultural value chain finance and climate smart agriculture: case studies from the Global South.

Master's Thesis Projects

1. L. Fuchs (ongoing). University of Passau. Biomass from tropical regions: case studies from European firms.
2. K. Bajos (ongoing). University of Passau. The social network of pineapple residue usage in Costa Rica.
3. G. Joshi (2023). University of Hohenheim. Identifying financing opportunities for the adoption of Climate-Smart Agriculture in India.
4. C. Beale (2022). TU Munich. Bioeconomy in the German-Brazilian coffee value chain.
5. S. Ramstötter (2021). TU Munich. Incentives for flexible hydropower production in the Alpine region.
6. J. Trappmann (2021). TU Munich. Measuring smallholder financial access in the Global South: an index approach.
7. J.C. Romeral Martin-Ferreras (2021). TU Munich / Universidad Politécnica de Madrid. Market incentives and barriers for ancillary services provision: a comparative study of hydropower in Spain and Chile.
8. L. De Toro (2021). TU Munich. Digital tools for Agricultural Value Chain Finance in South America: Applications in Chile and Colombia.
9. F. Strauss (2020). TU Munich. A review of German biogas policy: assessing stakeholder views on future development strategies.

10. K. Min (2020). TU Munich. What is the impact of distance to renewable energy technologies on public acceptance? A meta-analysis.
11. F. Bosche (2020) TU Munich. Women's empowerment in agriculture under climatic variability: case studies from Nepal and India.
12. N. Monteiro (2020) TU Munich. Value chain financing in the digital age: a case of Brazilian AgTech".
13. L. Salthammer (2019). TU Munich. Willingness to pay for ecological-friendly hydropower.
14. S. Bilgram (2019). TU Munich. Livelihood vulnerability in the context of climate change: a case study among rural households in northern India.
15. M. Novokmet (2019). TU Munich. Analyzing the impact of off-farm income on farm household efficiency under climate risks.
16. D. Kim (2019). TU Munich. Impacts of climate smart agriculture practices on water use: a micro-study from Bihar and Haryana, India.
17. F.J. Alvarez (2018). TU Munich. Prevalence of occupational health events in agribusiness workers and their related health costs: a case study in the Dominican Republic.

+ 15 additional Master's research projects

ACADEMIC SERVICE

- Reviewer for Ecological Economics; Renewable and Sustainable Energy Reviews; Technological Forecasting & Social Change; Environment, Development and Sustainability; Journal of Environmental Studies and Sciences; Journal of Environmental Planning and Management
- Guest Editor, 2021-3: River Research and Applications: Special Issue on Hydropeaking

KEYNOTE PRESENTATIONS

- Invited keynote speaker. "Delivering Institutional Sustainability". University of Cambridge, Wolfson College. July 13, 2023.

SELECTED CONFERENCE PRESENTATIONS

- Invited speaker. "The Role of the Bioeconomy for Sustainable Development". Visayas Regional Forum on the Economy and Environment 2022: Challenges and Opportunities in Transitioning to a Resilient and Sustainable Future. Online, November 4, 2022.
- Invited speaker. "Promoting financial inclusion through digital tools: Lessons from Agri FinTechs in Latin America". Workshop: Interventions and instruments to enhance sustainable farming practices: Lessons from Indonesia and beyond. University of Passau, September 29-30, 2022.
- Moderator. "Innovative Approaches to Agricultural Finance in the Global South". 31st International Conference of Agricultural Economists, Online.
- Challenges and perceptions of hydropower and the environment (EU Green Week Partner Event, 2021)
- Understanding stakeholder preferences for future biogas development (5th Annual Conference of the Australasian Agricultural and Resource Economics Society, 2021)
- Public Perceptions & Citizen Participation (Horizon2020 Projects - AMBER and FIThydro: Smart Ways to Improve Connectivity, 2020)
- Factors for Public Acceptance of Hydropower (FIThydro 4th General Assembly, 2019)
- Public Acceptance Survey (4th FIThydro Regional Stakeholder Workshop for the Alpine region, 2018)
- Economic Impact and Cost Effectiveness of Alternative Measures (FIThydro 2nd General Assembly, 2017)