Johannes Stangl, MSc

Education

Since 02/2022	Complexity Science Hub Vienna | WU Vienna – PhD candidate Thesis (working title): 'Socio-ecological transformations of production networks' supervised by Stefan Thurner and Sigrid Stagl
10/2018 – 01/2022	University of Vienna – Master of Science in Computational Science Thesis: 'Identifying Decarbonization Leverage Points in Supply Networks with Network Measures that Quantify Systemic Relevance'
10/2015 – 09/2018	University of Vienna – Bachelor of Science in Physics Thesis: 'Machine Learning phases of matter revisited'

Work experience

Since 02/2022	Complexity Science Hub Vienna – Junior Researcher Conducting research projects on Green Economic Complexity, Energy-economic modeling and the Circular Economy
03/2020 – 07/2021	Data Mining Research Group (University of Vienna) – Assistant and Tutor
10/2018 – 02/2019	twingz development gmbh – Junior Data Scientist

Volunteering

Since 07/2022	Global Shapers Vienna – Vice-Curator Global Youth Network of the World Economic Forum
Since 02/2021	Klimadashboard.org – Co-Founder Development of open-source climate data visualizations for Austria
08/2019 – 08/2022	Forum Alpbach Network – Board Member Representative of 30+ international clubs of the European Forum Alpbach
Since 12/2018	Fridays For Future Vienna – Co-Initiator, Climate Activist Coordination, Strategy, Press Relations, Public Speaking, Social Media, Negotiation

Academic matters

Publications	J. Stangl, A. Borsos, C. Diem, T. Reisch, and S. Thurner, 'Using firm-level production networks to identify decarbonization strategies that minimize social stress'. arXiv:2302.08987 [econ.GN], 2023. W. Schueller et al., 'Propagation of disruptions in supply networks of essential goods: A population-centered perspective of systemic risk'. arXiv:2201.13325 [econ.GN], 2022.
Conference Talks	Conference on Complex Systems 2022, 'Identifying optimal strategies for decarbonization with an economic systemic risk measure in firm-level production networks' Ecological Economics Conference 2022, 'Navigating the green transition: systemic relevance vs. CO2 emissions of companies in production networks'
Summer Schools	Sustainable Transitions in Employment, Economic Welfare and Environment (2022) Santa Fe Institute: Complexity Interactive (2021, online) Deep Learning and Visual Data Analysis (2018)