

Curriculum Vitae

Sebastian LUCKENEDER

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RESEARCH INTEREST

Ecological Economics, Development Economics, Natural Resources, Applied Econometrics, Spatial Statistics

EDUCATION

Since 2019 **Vienna University of Economics and Business**, Austria
PhD ECONOMICS
Thesis: *Modelling the environmental and socio-economic impacts of global mining activities in a geospatial assessment framework*
Supervision: Stefan Giljum, Jesus Crespo Cuaresma, Anthony Bebbington

2016 – 2019 **Vienna University of Economics and Business**, Austria
MSc ECONOMICS, science track, passed with distinction
Specialisations: Spatial economics; development economics; money, credit and finance
Thesis: *Do mining activities foster regional development? Evidence from Latin America in a spatial econometric framework*

Since 2015 **University of Vienna**, Austria
MA DEVELOPMENT STUDIES
Thesis (in progress): *The political economy of resource dependent development strategies in times of decreasing commodity prices*

2011 – 2015 **Vienna University of Economics and Business**, Austria
BSc ECONOMIC- AND SOCIAL SCIENCES, economics track
Specialisations: Economics of inequality; money and the business cycle; labour economics
Thesis: *Returns to schooling at different points of the wage distribution: A factor of growing wage inequality?*
Exchange semester at **York University, Schulich School of Business**, Toronto, Canada

2011 – 2015 **University of Vienna**, Austria
BA DEVELOPMENT STUDIES
Thesis: *Economic liberalism in Chile under the rule of Augusto Pinochet*

RESEARCH AND EMPLOYMENT HISTORY

Since 2017 **Vienna University of Economics and Business**, Austria
Research associate at the *Institute for Ecological Economics*, research group *Global Resource Use*
Project: [ERC FINEPRINT](#)

2022 **University of Queensland**, Brisbane, Australia
Visiting researcher, 3 months, collaborating with Dr. Laura J. Sonter and the Land Use, Mining & Conservation research group

2021 **International Institute for Applied Systems Analysis (IIASA)**, Laxenburg, Austria
Research scholarship, Young Scientists Summer Program (YSSP)

2018 **Upper Austrian Chamber of Labour**, Linz, Austria
Internship at the *Economic and Social Policy Department*

2015 – 2017 **RBI Raiffeisenbank International**, Vienna, Austria
Student assistant at *Market Strategy / Quant Research*
Data mining, automation and statistical analysis in R

CONFERENCES AND WORKSHOPS

- 2022 Conference of the International Society for Industrial Ecology (ISIE) Socio-Economic Metabolism Section; WU Institute for Ecological Economics Research Seminar; Conference of the European Society for Ecological Economics (ESEE)
- 2021 Young Economists Conference of the Austrian Chamber of Labour; World Resources Forum (online presentation)
- since 2017 WU Institute for Ecological Economics Research Seminar 2020; IIASA Research Seminar 2019, European Regional Science Association (ERSA) Congress 2019; Conference of the International Society for Industrial Ecology (ISIE) Socio-Economic Metabolism Section 2019; Momentum Conference 2018 (presented by co-author); Österreichische Entwicklungstagung (Austrian Development Conference) 2017

TEACHING EXPERIENCE

Sustainable Economics and Business II (undergraduate, Vienna University of Economics and Business, [2021S](#), [2021W](#))

PEER REVIEWING AND OTHER PROFESSIONAL ACTIVITIES

Spatial Economic Analysis, Wirtschaft und Gesellschaft

Member: Editorial team of the *Austrian Journal of Development Studies (JEP)*

PUBLICATIONS IN REFEREED JOURNALS

Giljum, Stefan, Victor Maus, Nikolas Kuschnig, **Sebastian Luckeneder**, Michael Tost, Laura J. Sonter and Anthony J. Bebbington (2022): A pan-tropical assessment of deforestation caused by industrial mining. *Proceedings of the National Academy of Sciences*. [\[publication\]](#)

Maus, Victor, Stefan Giljum, Dieison M. da Silva, Jakob Gutschlhofer, Robson P. da Rosa, **Sebastian Luckeneder**, Sidnei L.B. Gass, Mirko Lieber and Ian McCallum (2022): An update on global mining land use. *Nature Scientific Data*. [\[publication\]](#)

Luckeneder, Sebastian, Stefan Giljum, Anke Schaffartzik, Victor Maus and Michael Tost (2021): Surge in global metal mining threatens vulnerable ecosystems. *Global Environmental Change*. [\[publication\]](#)

Maus, Victor, Stefan Giljum, Jakob Gutschlhofer, Dieison M. da Silva, Michael Probst, Sidnei L.B. Gass, **Sebastian Luckeneder**, Mirko Lieber and Ian McCallum (2020): A global-scale data set of mining areas. *Nature Scientific Data*. [\[publication\]](#)

Tost, Michael, Diego Murguía, Michael Hitch, Stephan Lutter, **Sebastian Luckeneder**, Susanne Feiel and Peter Moser (2019): Ecosystem services costs of metal mining and pressures on biomes. *The Extractive Industries and Society*. [\[publication\]](#)

WORKING PAPERS AND WORK IN PROGRESS

Luckeneder, Sebastian et al. (2022): Mining, land-use, and regional income in Brazil: Economic and environmental perspectives on resource-dependent development.

Wimmer, Lorenz, Victor Maus and **Sebastian Luckeneder** (2021): Investigating social inequality of urban green space distribution using Sentinel-2: the case of Vienna.

Luckeneder, Sebastian, Stefan Giljum and Tamás Krisztin (2019): Do mining activities foster regional development? Evidence from Latin America in a spatial econometric framework. *Ecological Economic Papers*, 28. WU Vienna University of Economics and Business, Vienna. [\[working paper\]](#)

Lutter, Stephan, Stefan Giljum and **Sebastian Luckeneder** (2019): An update of demand-based material flow data using the new OECD ICIO database and benchmarking with national data from selected countries. Organisation for Economic Cooperation and Development (OECD), Paris.

SKILLS & LANGUAGES

STATISTICAL SOFTWARE & PROGRAMMING: R, Stata, EViews
OTHER: L^AT_EX, Git, MS Office, GIS, Bloomberg-Terminal
LANGUAGES: German (native), English (fluent), French (basic)

Last update September 2022