

Dissertation

Doctoral thesis “Innovation, Inequality and Polarization”



Patrick Mellacher has successfully defended his doctoral thesis “Innovation, Inequality and Polarization” on 20th January 2022. In his cumulative dissertation, he uses an agent-based modelling approach to study i) the impact of endogenous skill-biased technological change on the effects of labor market policies in an extended version of an established macroeconomic evolutionary framework, ii) the interrelation between growth, market concentration and inequality in a novel model that unifies features of the Schumpeter Mark I and Mark II models, iii) the interplay between economic inequality, misinformation and political decision-making in a novel politico-economic opinion dynamics model. Patrick Mellacher now works as a PostDoc for the research project “Agent-based Economic Epidemiology” based at the Graz

Schumpeter Centre.

Award

Erzherzog-Johann-Forschungspreis des Landes Steiermark



On 11 March 2022 Univ.-Prof.i.R. DDr. Michael Steiner was awarded the Erzherzog-Johann-Forschungspreis des Landes Steiermark for his book “WIRTSCHAFT.STEIERMARK Zwischen Utopie und Realität“ by the Styrian State Counsellor for Science MMag. Barbara Eibinger-Miedl. The book traces the economic development of Styria over the last 75 years. The laudatory speech was given by diocesan bishop emeritus Dr. Egon Kapellari.

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Project update



“Agent-based Economic Epidemiology”

The project “Agent-based Economic Epidemiology” submitted to the FWF as part of the SARS-CoV-2 acute funding was launched in February. The original project team under the leadership of Christian Gehrke has meanwhile grown by two more people, Simon Plakolb joined at the beginning of March and Magdalena Rath joined in mid-April.

Media Mentions

Christoph Kuzmics

- Machterhalt ohne Wahlmanipulation. In: Die Presse. 07.02.2022. Online
- Wie besetzt man Stellen, wenn nicht alle Bewerber interessiert sind?. In: Die Presse. 11.04.2022. Online

Patrick Mellacher

- Corona nach Omikron: Quo vadis, Virus?. In: Die Presse. 12.01.2022. Online. Discussion of the relevance and implications of his most recent journal publication “Endogenous viral mutations, evolutionary selection, and containment policy design”.
- Episode 37: Wohin entwickelt sich das Virus?. Auf: UniTube, Apple Podcasts, Spotify and anchor.fm. 17.02.2022. Podcast. Discussion of the relevance and implications of his most recent journal publication “Endogenous viral mutations, evolutionary selection, and containment policy design”.

Michael Steiner

- ORF Steiermark heute. Studiogast zu wirtschaftlichen Auswirkungen des Ukraine-Krieges. 10.03.2022
- ORF Radio Steiermark Mittagsjournal. Kommentar zu Zahlungen in Rubel für russisches Gas. 01.04.2022
- Die Presse. Leserpost zu „Gerechter Preis. 24.01.2022.

Events

Graz Schumpeter Lectures

The Graz Schumpeter Lectures with Prof. Mariana Mazzucato on "The Entrepreneurial State" took place from 25 to 27 April.

Events in summer/autumn - Save the dates

- **EAERE Summer School in Resource and Environmental Economics, Behavioural Environmental Economics, 3-9 July 2022**
Birgit Bednar-Friedl, Stefan Borsky, Michael Finus and Karl Steininger are organizing and hosting the PhD Summer School of the European Association of Environmental and Resource Economists in 2021-2025. This year, Michael is the local organizer.
For further details, including the programme, see: [Summer School 2022](#)
- **AUROE Young Scientists Workshop, Graz, September 26-27, 2022**
Birgit Bednar-Friedl, Stefan Borsky, Michael Finus and Karl Steininger are organizing the AUROE Young Scientists Workshop in Environmental Economics this year.
For the call for papers (German), see: [AURÖ - Call for papers](#)
- **EPSF - Environmental Protection and Sustainability Forum September 28-30, 2022**
Birgit Bednar-Friedl, Stefan Borsky, Michael Finus and Karl Steininger are organizing the Environmental Protection and Sustainability Forum this year.
For further details, see: [EPSF 2022](#)

Events continued

Events in autumn at the Graz Schumpeter Centre – Save the dates

- Workshop on "Public Economics": **4-5 September 2022**
- As a kick-off event for the FWF project "Agent-based Economic Epidemiology", an event about Covid19 will be held on **12 October 2022** with Peter Klimek (Associate Professor at the Medical University of Vienna and faculty member of the Complexity Science Hub Vienna, Austrian Scientist of the Year 2021), Jana Lasser (TU Graz) and Patrick Mellacher (Graz Schumpeter Centre).

Keynote

VII International Scientific Conference on Innovations and Entrepreneurship



On 27 April 2022 Heinz-Dieter Kurz held a **Keynote** titled "Will Machines Displace Managers? Digitalisation and the Current Wave of Technological Progress" at the VII International Scientific Conference on Innovations and Entrepreneurship at the WSB University in Dąbrowa Górnicza, Poland.

Personnel



Tobias Eibinger Tobias Eibinger studied Political and Empirical Economics at Graz University, where he graduated with honors. In his Master's Thesis, he dealt with the blockchain technology from an institutional perspective under the supervision of Prof. Richard Sturn. For his thesis, Tobias was awarded a scholarship from the Austrian Economic Chamber. He then started his PhD at the Economics Department at Graz University as well as the Wegener Center for Climate and Global Change Graz. The focus of his PhD is on environmental economics with a methodological focus on time series and macropanel econometrics. Until recently, Tobias was involved in an ACRP funded transdisciplinary project that dealt with emissions from the transport sector. The project was motivated by a lack of understanding of the interaction between policy measures and systemic delays in the transport sector. In February 2022, Tobias started a position as University Assistant under the supervision of Prof. Hans Manner at the Economics Department at Graz University to complete his PhD. He has teaching experience in International Economics, Economic Policy, and Econometrics.

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Personnel continued

Teresa Lackner



Teresa Lackner joined the Schumpeter Center as a university assistant in April 2022. She is also part of the EconClim - Economics of Climate and Environmental Change Research Group at the Wegener Center for Climate and Global Change (WEGC). She obtained her Bachelor's degree in Economics and her Master's degree in Political and Empirical Economics at the University of Graz. Her main research interests are (socio-)economic transformation processes in the context of climate change, economics of climate change, distributional effects, energy economics, consumption-based emission accounting, greenhouse gas budgets and quantitative economic methods (Agent-Based modelling, microsimulation, multi-regional Input-Output models).

Riccarda Rosenball



Riccarda Rosenball started her PhD in January 2022 under the supervision of Univ.-Prof. Jörn Kleinert. She obtained her Bachelor's degree in Environmental System Sciences and her Master's degree in Political and Empirical Economics at the University of Graz. During her studies she worked as a junior researcher at Joanneum Research in the Institute for Economic and Innovation Research. Her Master's thesis was part of a Horizon 2020 project and aimed to uncover potential gender biases in grant selection processes of a Swedish research funding body. For her dissertation she plans to work empirically on labor market effects of trade while including gender perspectives in her research. She is also entrusted with teaching in the areas of International Economics and Econometrics.

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Publications

2021

- Greinecker, M., C. Kah (2021), Pairwise Stable Matching in Large Economies, *Econometrica* **89**, 2929-2974. DOI: <https://doi.org/10.3982/ECTA16228> [SRN: 11/21]
- Mayer, J., A. Dugan, G. Bachner, K.W. Steininger (2021), Is Carbon Pricing Regressive? Insights from a Recursive-Dynamic CGE Analysis with Heterogeneous Households for Austria, *Energy Economics* **104**, 105661. DOI: <https://doi.org/10.1016/j.eneco.2021.105661>

2022

- Dugan, A., J. Mayer, A. Thaller, G. Bachner, K.W. Steininger (2022), Developing Policy Packages for Low-Carbon Passenger Transport: A Mixed Methods Analysis of Trade-Offs and Synergies, *Ecological Economics* **193**, 107304. DOI: <https://doi.org/10.1016/j.ecolecon.2021.107304> [SRN: 03/22]
- Mellacher, P. (2022), Endogenous Viral Mutations, Evolutionary Selection, and Containment Policy Design, *Journal of Economic Interaction and Coordination*. DOI: <https://doi.org/10.1007/s11403-021-00344-3>
- Huber, S., K.W. Steininger (2022), Critical Sustainability Issues in the Production of Wind and Solar Electricity Generation as well as Storage Facilities and Possible Solutions, *Journal of Cleaner Production* **339**, 130720. DOI: <https://doi.org/10.1016/j.jclepro.2022.130720>
- Williges, K., L. Meyer, K.W. Steininger (2022), Fairness Critically Conditions the Carbon Budget Allocation Across Countries, *Global Environmental Change* **74**, 102481. DOI: <https://doi.org/10.1016/j.gloenvcha.2022.102481>
- Abermann, J., M. Theurl, E. Frei, B. Hynek, W. Schoener, K.W. Steininger (2022), Too Expensive to Keep – Bidding Farewell to an Iconic Mountain Glacier? *Regional Environmental Change* **22**, 51(2022). DOI: <https://doi.org/10.1007/s10113-022-01912-4>
- Hill, R.J., M. Scholz, C. Shimizu, M. Steurer (2022), Rolling-Time-Dummy House Price Indexes: Window Length, Linking and Options for Dealing with Low Transaction Volume, *Journal of Official Statistics* **38**, 127–151. DOI: <https://doi.org/10.2478/jos-2022-0007>
- Pfeifer, N., M. Steurer (2022), Early Real Estate Indicators during the COVID-19 Crisis, *Journal of Official Statistics* **38**, 319–351. DOI: <https://doi.org/10.2478/jos-2022-0017>
- Maurer, S., F. Rauch (2022), Economic Geography Aspects of the Panama Canal, *Oxford Economic Papers*, forthcoming. DOI: <https://doi.org/10.1093/oep/gpac009>

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