

# Robert Hawlik

*curriculum vitae*

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## Professional Experience

since 09/17	<p><b>AIT Austrian Institute of Technology, Center for Innovation Systems &amp; Policy, Vienna</b> <i>Scientist</i></p> <p>Research in the area of socio-economic impact of international research, technology and innovation policy, innovation systems and transition management</p> <ul style="list-style-type: none"><li>• Monitoring and evaluation of international funding programmes for urban transition</li><li>• Development of dashboards and interactive reports</li><li>• National and international research projects on quality in higher education</li></ul>
since 09/19	<p><b>acolono, Drupal agency, Vienna</b> <i>Freelance Data Science Consultant</i></p> <p>Analytics and visualisation for open-source applications and web platforms.</p> <ul style="list-style-type: none"><li>• Word embedding and clustering of recipes and ingredients on one of the largest Austrian cooking websites</li><li>• Active learning approaches to database deduplication</li><li>• Web analytics and quantitative content analysis</li></ul>
09/16 – 08/17	<p><b>Bruegel, Brussels</b> <i>Research Assistant</i></p> <p>Research activities in the area of EU governance, financial markets and innovation</p> <ul style="list-style-type: none"><li>• Analysing representation of citizens and Member States in the EU Institutions</li><li>• Estimating the effect of Brexit on the financial sector</li><li>• Quantifying countries' potential to specialise in green technologies</li></ul>
04/13 – 07/16	<p><b>Parkville Global Advisory, Australia and MENA Region</b> <i>Data Manager / Research Associate</i></p> <p>Principal data analyst supporting evidence-based policy making and strategy for senior policy-makers in Australia and the Middle East as well as leading advisor for improving data collection and management processes. Large-scale analysis of school leader performance as well as quantitative evaluation of school funding programmes.</p>
02/12 – 07/12	<p><b>The University of Melbourne – Department of Economics</b> <i>Research Assistant</i></p> <p>Assistance in the compilation of teaching material for a PhD course in Econometrics, transcription of a lecture script in Latex, editing and designing of graphs</p>
01/11 – 02/12	<p><b>Austrian National Bank – Economic Studies Division</b> <i>Research Assistant</i></p> <p>Assistance in the development of a large-scale international survey (Euro Survey), independent data analysis using Stata and R as well as generating data used for spatial econometric models</p>
02/11 – 01/12	<p><b>SERI - Sustainable Europe Research Institute</b> <i>Research Assistant</i></p> <p>Co-authoring of a macroeconomic report for the European Commission (FP7), development of policy recommendations, assistance in the organisation of conferences.</p>

## Education

2011 – 2013	<b>MSc Economics</b> <i>University of Vienna</i> Including two semesters of the PhD programme in Economics at the University of Melbourne (graduated with distinction)
Thesis	<i>International Environmental Agreements under Incomplete Contracts</i>
2006 – 2011	<b>BSc Business and Economics</b> <i>Vienna University of Economics and Business</i> Including an exchange semester at the Free University Berlin (Mathematics) and Humboldt University (Economics), as well as an exchange semester at Babson College, Boston (Entrepreneurship)

## Technical Skills

Statistics	<b>R, Python, Stata, SPSS, Excel</b> Statistical modelling and analysis, advanced panel estimation and time-series modelling, survey analysis, regression discontinuity design, Spatial Econometrics, matching techniques
Data Mining and Machine Learning	<b>R, Python, SQL</b> Extraction of patterns and knowledge from large amounts of data, classification and prediction algorithms
GIS	<b>QGIS</b> Proficiency with geospatial data and spatial econometric models
Data viz	<b>R, Javascript (D3)</b> Dashboard design as well as interactive and static visualisations, interactive reports and presentations

## Grants and Awards

Awards	<b>YEAR Best Project Concept Award: From Idea to Impact</b> for the best project idea and pitch at the Young European Associate Researchers network's annual conference 2018  <b>Master Student Award</b> for outstanding academic performance and extra-curricular activities
Travel Grants	Julius-Raab-Stiftung Travel Grant; Joint Study Grant for an exchange semester at the University of Melbourne; Joint Study Grant for an exchange semester at Babson College, MA; Erasmus Grant for an exchange semester at the Free University Berlin

## Additional Information

Publications	See list of publications and presentations attached
Languages	German (native), English (fluent), French (fluent), Dutch (basic)
Project mgmt	PRINCE2 Certificate
Citizenship	Austrian
Volunteering	Coordination of the Young AIT network Daughters Day 2019 workshop
References	Guntram Wolff, Bruegel, Director, gw@bruegel.org Georg Zachmann, Bruegel, Senior Fellow, gz@bruegel.org Nico Griener, acolono, Co-Founder and CEO, nico@acolono.com Lama Andari, Parkville Global Advisory, Director, lama.andari@parkvilleglobal.com

## List of Publications

Peer reviewed publications	<b>The impact of electrification on labour market outcomes in Nigeria.</b> Tagliapietra, S., Occhiali, G., Nano, E., Hawlik, R. <i>Econ Polit</i> 37, 737–779 (2020)
Conference papers	<p><b>The Role of R&amp;I Initiatives in Transformative Change Processes: The Case of EIT Climate KIC and JPI Urban Europe</b> at IST 2020 conference</p> <p><b>City Engagement in the Joint Programming Initiative Urban Europe and the role of intermediary organizations in R&amp;I policies for urban transition</b> at the SSPCR 2019 conference (forthcoming)</p> <p><b>A Framework to Measure the Impact of Science of a Research Organization</b> at the ISSI 2019 conference</p>
Evaluation reports	<p><b>Evaluation of the FWF Special Research Programmes (SFB)</b> for the Austrian Science Fund, 06/20</p> <p><b>ERA-NET Cofund Smart Cities and Communities Experiences and Insights</b>, 04/20</p> <p><b>Radikale Innovation und Firmenalter</b> for the Austrian Council for Research and Technology Development, 12/19</p> <p><b>Study on the impact of Erasmus+ Higher Education Partnerships and Knowledge Alliances at local, national and European levels on key higher education policy priorities</b> for the European Commission, 06/19</p> <p><b>Study to evaluate the progress on quality assurance systems in the area of higher education in the Member States and on cooperation activities at European level</b> for the European Commission, 06/18</p>
Book chapters	<p><b>Export and Patent Specialisation in Low-Carbon Technologies</b> in <i>The Global Innovation Index 2018: Energizing the World with Innovation</i>, 06/18 Georg Zachmann, Robert Kalcik</p> <p><b>Europe's comparative advantage in low-carbon technology</b> in <i>Remaking Europe: the new manufacturing as an engine for growth</i>, 07/17 Georg Zachmann, Robert Kalcik</p>
Policy contributions	<p><b>Brexit and the European financial system: Mapping markets, players and jobs</b>, 02/17 Uuriintuya Batsaikhan, Robert Kalcik, Dirk Schoenmaker</p> <p><b>Is Brexit an opportunity to reform the European Parliament?</b>, 01/17 Robert Kalcik, Guntram Wolff</p>
Interactive Report	<p><b>An approach to identify the sources of low-carbon growth for Europe</b>, 09/17 <a href="http://www.i2-4c.eu/lowcarbongrowth/">www.i2-4c.eu/lowcarbongrowth/</a> Georg Zachmann, Robert Kalcik</p>
Blog posts	<p>Does the European Parliament miss an opportunity to reform after Brexit?, 01/18</p> <p>Is China's innovation strategy a threat?, 04/17</p> <p>Trade flows between the US, UK and EU27: what goes where?, 01/17</p>
Contribution to the report	<p><b>Macroeconomic modelling of sustainable development and the links between the economy and the environment</b> ENV.F.1/ETU/2010/0033</p>

## List of Presentations and Posters

Invited talks	<b>Monitoring of Joint Calls and Projects in JPI Urban Europe</b> ERA-NET Cofund Smart Urban Futures Final Conference, virtual 09/20 ERA-NET Smart Cities and Communities Final Conference, Vienna 04/19 JPI Urban Europe Funding Agency Working Group, Vienna 09/18
Presentations	<b>Capturing radical innovation in a network paradigm</b> EAEPE, 4th RA [X] "Networks" Workshop, Budapest 11/18  <b>An approach to identify the sources of Low Carbon Energy Technologies: an Empirical Investigation based on Patent Data</b> user!2017 Conference, Brussels 07/17 GLOBSEC Forum, Bratislava 05/17 6th Mannheim Energy Conference, 05/17 International Conference on the Economics of Innovation, Grenoble 12/16  <b>International Environmental Agreements</b> IMK-Workshop on Pluralism in Economics, Berlin 08/14
Posters	<b>Bibliometric approaches for the identification of emerging and promising technologies</b> , 9th Annual Global TechMining Conference, 10/19
Courses	Analysis of PISA and TIMSS Data using SPSS, 03/16 Workshop Series: Statistical Analysis of Education Data, 05-06/15