

## Curriculum vitae – Dominik WIEDENHOFER



	<b>PERSONAL DATA</b>
Name	Mag. Dr.rer.nat. WIEDENHOFER Dominik, Bakk.techn.
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Current office	Schottenfeldgasse 29, Vienna, Austria
	<b>HIGHER EDUCATION / ACADEMIC MILESTONES</b>
2012/02 - 2017/10	<b>Doctoral thesis:</b> “Opening up the black box of economy-wide material and energy flows: from accounting to stock modeling and input-output analysis”, supervision: Prof. Dr. F. KRAUSMANN, Department of Interdisciplinary Research and Further Education, Institute of Social Ecology, <b>Alpen-Adria University Klagenfurt. Graduation (Dr.rer.nat.) with honors.</b>
2010/10 - 2011/07	<b>Master thesis:</b> ‘Spatial and Socio-economic Drivers of Direct and Indirect Household Energy Consumption in Australia’ (supervision: J.K. STEINBERGER, PhD and Prof. M. LENZEN), <b>Alpen-Adria University Klagenfurt</b> and <b>University of Sydney.</b>
2008/11 - 2009/03	<b>Master program</b> <i>Human- and Social Ecology</i> at the <b>Alpen-Adria University Klagenfurt. Graduation (Mag.rer.nat.) with honors</b>
2008/02 - 2008/08	<b>Stipend from EU/Australia Exchange</b> on Sustainable Development for an exchange semester at <b>Flinders University, Adelaide, Australia.</b>
2004/10 - 2008/08	<b>Bachelor program</b> <i>Environmental and Bio-Resource Management</i> at the University of Natural Resources and Applied Life Sciences Vienna; <b>Graduation (BSc)</b>
	<b>APPOINTMENTS / POSITIONS HELD TO DATE</b>
2018/03 - ongoing	<b>Senior Scientist</b> at the <b>University of Natural Resources and Life Sciences Vienna</b> , Institute of Social Ecology, Department for Economics and Social Sciences.
2011/09 – 2018/02	<b>Junior Researcher</b> at the <b>Alpen-Adria University Klagenfurt, Austria</b> , Institute of Social Ecology, Department for Interdisciplinary Research and Further Education.
2013/06 – 2013/08	<b>Visiting Scientist</b> at the <b>Nagoya University, Japan</b> , Department of Civil Engineering, Research Lab for Environmental Systems Analysis and Planning. (with Prof. H. TANIKAWA, PhD)
2012/02 – 2012/02	<b>Visiting Scientist</b> at the <b>University of Leeds, United Kingdom</b> , Earth and Science Department, Sustainability Research Institute (SRI). (with J.K. STEINBERGER, PhD)
2010/03 – 2010/05	<b>Visiting Scientist</b> at <b>University of Sydney, Australia</b> , Department of Physics, Integrated Sustainability Analysis (ISA). (with Prof. M. LENZEN, PhD)
2009 – 2011	<b>Researcher</b> at EcoPolicy Lab, Neue Energien 2020, FFG Project 822065
2007 - 2011	<b>Teaching assistant</b> at the <b>University of Natural Resources and Life Sciences, Vienna, Austria</b> , Dept. of Economics and Social Science (5 courses).
2006 & 2007	<b>Internships</b> at Austrian Alpine Association, Taricaya Research and Conservation Peru

## ADDITIONAL RESEARCH ACHIEVEMENTS

### Prizes and awards

- Certificate of Recognition for Outstanding Research Poster at the Gordon Research Conference of Industrial Ecology, Les Diablerets, Switzerland (2018)
- Excellence in Review Awards from the journal “Resources, Conservation and Recycling” (2016)
- Scholarship award for scientific exchange with the University of Sydney, Australia, funded by the Alpen-Adria University Klagenfurt

### International cooperation partners (selected)

- Institute for Global Environmental Strategies (IGES), Japan (Lewis Akenji, PhD)
- Aalto University, Finland (Prof. Mikko Jalas, PhD)
- Nagoya University, Japan (Prof. Hiroki Tanikawa, PhD)

- University of East Anglia, United Kingdom (Prof. Dabo Guan, PhD; Jing Meng, PhD)
- Jinan University, Guangzhou, China (Prof. Ning Zhang, PhD)
- Beijing Institute of Technology, China (Prof. Yi-Ming Wei, PhD)
- California Institute of Technology, USA (Zhu Liu, PhD)
- University of Leeds, United Kingdom (Prof. Julia K. Steinberger, PhD)
- University of Sydney, Australia (Prof. Manfred Lenzen)

#### **Peer review and organizing activities, and/or memberships in academic organisations**

2018	<b>Member of the Scientific Committee</b> for the 13 <sup>th</sup> conference of the socio-economic metabolism section of the International Society for Industrial Ecology (ISIE), Berlin, Germany.
2016	<b>Chair of the Gordon Research Seminar on Industrial Ecology</b> , Vermont, USA.
2016	<b>Reviewer</b> for the <b>joint conference</b> of the International Society for Industrial Ecology (ISIE), 12th Socio-Economic Metabolism section conference and 5th Asia Pacific conference, Nagoya University, Japan
2015	<b>Reviewer</b> for the <b>Conference</b> of the European Society for Ecological Economics (ESEE) at the University of Leeds, United Kingdom
2014	<b>Co-Convenor</b> of the <b>session</b> “Planetary boundaries, societal interactions, and sustainability transitions within the Earth system”, at the conference of European Geophysical Union (EGU), Vienna.
2012+	<b>Member</b> of the International Society for Industrial Ecology (ISIE) and the International Input Output Association (IIOA)
Reviewer for 12+ journals	selected: Journal of Industrial Ecology; Environmental Modelling & Software; Environmental Science & Technology; Conservation and Recycling; Ecological Economics; Environmental Applied Energy, <a href="https://publons.com/author/938894/dominik-wiedenhofer">publons.com/author/938894/dominik-wiedenhofer</a>

#### **Projects (selected)**

2020-ongoing	Co-Principal Investigator in “Assessing economy-wide prospects for a more sustainable circular economy in South Africa (Material Flow Analysis)” (South African Waste RDI, PI Prof. Blottnitz, funding sum 100.000 €)
2019-ongoing	Co-Principal Investigator in “28 hours per week: The mobility and energy implications of working time reduction (WTR) in Germany” (MobileLives Forum, PI Dr. Miklos Antal, funding sum 250.000 €)
2018 – ongoing	Post-Doc & Project Management for “Understanding the Role of Material Stock Patterns for the Transformation to a sustainable Society — MAT_STOCKS” (ERC Advanced Grant 741950 of PI Prof. Helmut Haberl, funding sum 2,49 Mio €)
2015 – 2018	PhD and PostDoc in “Material Inputs, Stocks and Outputs (MISO): a model of the global socio-metabolic transition” (FWF P27590-G11, PI Prof. Fridolin Krausmann, funding sum 283.749 €)

#### **Presentations**

**Total number of contributions to scientific conferences: 41**

**Oral presentations (total): 38 (first): 20**

**Poster presentations (total): 2**

#### **Invited Lectures at international scientific events (selected)**

2018/09	“Measuring progress towards a circular economy in Europe: a monitoring framework for economy-wide resource use, waste and circularity”. Symposium by the Christian Doppler Laboratory for Anthropogenic Resources <b>“SCIENCE TO SUPPORT CIRCULAR ECONOMY”</b> .
2017/12	“Extending the economy-wide material flow accounting framework towards systematically covering in-use stock dynamics: applications to the global scale and to 9 world regions”. Wiedenhofer, D., Lauk, C., Haas, W., Krausmann, F. <b>COST-Action Workshop Mining the European Anthroposphere (MINEA)</b> , University of Technology, Vienna.
2017/09	“Measuring Sustainable Development? Economy-wide material and energy flows and the dynamics of in-use stocks of manufactured capital”. Wiedenhofer, D., Haas, W., Lauk, C., Krausmann F. <b>Sino-Europa Resource Forum 2017 – Exploring the Linkages of Sustainability Challenges</b> . University of Southern Denmark, Odense.
2014/06	“Modelling global economy-wide material stocks in the course of the socio-metabolic transition, 1900-2009”. Wiedenhofer, D., Lauk, C., Fishman, T., Tanikawa, H., Krausmann, F. Young Researchers section at the <b>Gordon Research Conference on Industrial Ecology</b> , Lucca, Italy.

**Web- link to a list of all publications: <https://orcid.org/0000-0001-7418-3477>**