

Prof. Dr. Felix Creutzig

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• Hot list of world's top 1000 climate scientists ranked 104; listed as Highly Cited Scientist

*cyan-framed phrases link to url or pdf files

PROFESSIONAL EXPERIENCE

since 2024	Bennett Chair for Innovation and Policy Acceleration at the Science Policy Research Unit (SPRU), University of Sussex
since 2023	El-Erian Fellow, University of Cambridge
2021-2024	Scientific Coordinator Climate Change Center Berlin Brandenburg
since 2017	Chair of Sustainability Economics of Human Settlements Technical University Berlin
since 2012	Mercator Research Institute on Global Commons and Climate Change Head of Working Group: Land Use, Infrastructures and Transport
2012/2013	Princeton Institute for International and Regional Studies Visiting Associate Research Scholar
2012/2013	Dahrendorf Working Group Chair: Infrastructure and Climate Change
2009-2012	Economics of Climate Change, Technical University Berlin Group leader: Sustainable Human Settlements and Infrastructures
2008-2009	Berkeley Institute of the Environment, University of California, Berkeley Postdoctoral Fellow: Climate Change Mitigation in the Transportation Sector
2008	Energy Foundation China, Beijing. Consultant

EDUCATION

2003–2007	Humboldt Universität zu Berlin, Berlin, Germany PhD in Biophysics (Dr. rer. nat.): <i>Sufficient Encoding of Dynamical Systems - From the Grasshopper Auditory System to General Principles</i>
2005	Hebrew University, Jerusalem, Israel Project: <i>Dynamical Systems and Information Theory</i>
2003–2004	Studienkolleg zu Berlin, Berlin, Germany Project: <i>The Role of Actors and their Beliefs in the Protection</i>
2002–2003	Cambridge University, Cambridge, UK Advanced Mathematics and Theoretical Physics, Part III Master of Advanced Study, with merits
2002	Harvard Medical School, Boston, MA, USA Lab work in molecular neuroscience
2000–2002	Albert-Ludwigs-Universität Freiburg, Germany Medical Studies, Physikum, bachelor equivalent (2.0, top 5%)
1999–2002	Albert-Ludwigs-Universität Freiburg, Germany Physics, Vordiplom, bachelor equivalent (1.0, top 1%)
1992–1999	Leibnizschule Hannover, Germany Abitur (1.0): Biology, Mathematics, Politics, Ancient Greek

POLICY IMPACT

- 2020 Policy Brief for the German cabinet on COVID-19 and GHG emissions
- 2020 Developing a proposal for an integrated data platform for smart mobility in Israel that will be implemented and funded with about €5million in the pilot phase
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UNIVERSITY TEACHING

- since 2017 Lecture *Urbanization and Global Environmental Change*
Technische Universität Berlin
- Seminar *Sustainability Economics of Human Settlements*
Technische Universität Berlin
- 2014 Lecture *Land Use, Infrastructures and Climate Change*
Technische Universität Berlin (together with O. Edelhofer)
- 2013 Lecture *Land Use, Infrastructures and Climate Change*
Technische Universität Berlin (together with O. Edelhofer)
- 2012 Seminar *Behavioral Economics of Mobility*
Technische Universität Berlin (together with L. Mattauch)
- 2012 Lecture *Land Use, Infrastructures and Climate Change*
Technische Universität Berlin (together with O. Edelhofer)
- 2011 Seminar *Sustainability Sciences*
Technische Universität Berlin (together with L. Mattauch)
- 2011 Lecture *The Spatial Economics of Climate Change*
Technische Universität Berlin (together with O. Edelhofer)
- 2010 Lecture *Geographical Economics and Climate Change*
Technische Universität Berlin (together with O. Edelhofer)
- 2009 Lecture *Geographical Economics and Climate Change*
Technische Universität Berlin (together with O. Edelhofer)
- 2005-2006 Seminar *Mathematics for Biologists*
Humboldt Universität zu Berlin
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SUMMER SCHOOL CONVENING

- 2013 *Sustainable and Low Carbon Urban Systems* (with Helga Weisz)
German National Merit Foundation, Leysin, Switzerland
- 2011 *Defining Sustainable Transport* (with Elizabeth Deakin)
German National Merit Foundation, Überlingen, Germany
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SUPERVISION AT TECHNISCHE UNIVERSITÄT BERLIN

- PhDs Blanca Fernandez (Making Urban Policies Sustainable, magna cum laude, 2016),
Christopher Bren d'Amour (Urbanization and food systems, magna cum laude, 2018)
Anjali Ramakrishnan (The Demand-side of Climate Change Mitigation - Exploring

	<p>social dimensions in energy consumption and climate policies, 2023)</p> <p>Steffen Lohrey (ongoing)</p> <p>Nikola Milojevic-Dupont (ongoing)</p> <p>Zakia Soomauroo (ongoing)</p> <p>Eva Ayaragarnchanakul (ongoing)</p> <p>Jiawei Hu (ongoing)</p> <p>Felix Wagner (ongoing)</p> <p>Charlotte Liotta (ongoing)</p> <p>Florian Nachtigall (ongoing)</p> <p>Simon Wehden (ongoing)</p> <p>Marie Josefine Hintz (ongoing)</p>
Co-supervised	<p>Li-jing Liu (2018-2019)</p> <p>Linus Mattauch (Rent and Redistribution, summa cum laude, 2015)</p>
External referee	<p>Ramana Gudipudi (Cities and Global Sustainability: Insights from Emission and Ecological Efficiency, magna cum laude, 2017)</p> <p>Paolo Avner (Effectiveness and political economy of climate change mitigation policies at the urban scale, 2020)</p>
Committee chair	<p>Jennifer Garard (Stakeholder Engagement at the Science-Policy Interface)</p> <p>Nils Ohlendorf (The political economy of energy transitions)</p> <p>Niccolò Manych (On the Political Economy of Coal Transitions - A multimethod Study, 2023)</p>
Master theses	<ul style="list-style-type: none"> • Hannah Lautenschläger (Mobilität im urbanen Raum – PKW-Nutzung in Abhängigkeit von der Entfernung zwischen Wohnung und städtischer Grünfläche) • Florian Nachtigall (Predicting building age from urban form at large scale) • Jessica Horne (Cost-benefit analysis and quality of life of redesigning streets for people) • Carolin Liesenjohann (Impact of bicycle infrastructure improvements on modal choice) • Nikhil Ravindra (Innovations in Urban Climate Governance for Bengaluru) • Freya Hofmann (Greenhouse gas emission impact of increased grid integration of electric vehicle (EV) charging infrastructure in Germany) • David Kapfer (Restituting Location Gains: A typology of residential land and property taxes in Europe) • Georg Hubmann (Towards a more sustainable Shanghai? A sustainability evaluation of Shanghai's rapid urbanisation period with a focus on housing development) • Anissa Suatmodi (Online Motorcycle Taxi and Its Influences on Sustainable Lifestyle in Jakarta Metropolitan Area, Indonesia) • Emily Breslin /Transportation System Efficiency in High SOV, High VMT Settings: Push-Pull Policy Framework for Commuter Mobility-as-a-Service in the San Francisco Bay Area) • Mudit Chordia (Automotive gluttony: a roadblock to curbing GHG emissions and reducing resource consumption in the German automotive sector) • Alexander Gosewinckel (Co-benefits and India's National Solar Mission: A Case for Distributed Solar Implementation) • Milli Keil (Incentivizing ridesharing - a dynamic analysis of transportation choices and their effects on CO2 emissions) • Henriette Närger (Smart Sustainable City - Green City Transformation in the Context of Urban Data Governance and Planning)

Postdocs	Chenxi Lu Peter Berrill Aneeque Javaid (former) Mahendra Sethi (former) Leila Niamir (former) Tiziana Susca (former) Peter Agoston (former) Tim Beringer (former) Sohail Ahmad (former)
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FUNDING HISTORY

2022-2026	CircEular, HEU project, ca. 520.000€
2021-2023	Einstein Climate Change Public Policy and Human Settlements, ca. 600.000€
2021-2023	Climate Change Center Berlin Brandenburg, ca 2 million € Media: Tagesspiegel
2021	AGYA, Concepts for Sustainable Urban Mobility, ca 20.000€
2019-2022	BMBF support for IPCC chapter scientist, ca 220.000€
2018-2019	DAAD P.R.I.M.E Postdoctoral Scholarship, Christopher Bren d'Amour, ca 130.000€
2017-2020	MobiliSta: Mobility Space apart from the Car-Friendly City. Modelling of sustainable infrastructure measures. FONA City of the Future, 290.000€
2014-2018	Postdoctoral Scholarship of the Humboldt Foundation, Sohail Ahmad, ca. 225.000€
2013-2015	PhD Scholarship of the Böll Foundation, Blanca Fernandez, ca. 45.000€
2014-2016	PhD Scholarship of the Stiftung der Deutschen Wirtschaft, Christopher Bren d'Amour, ca. 45.000€
2010-2011	One Planet Mobility, 95.000€ (PI: F. Creutzig)
2009-2010	CITIES (Car Industry, Road Transport and an International Emission Trading Scheme - Policy Options), 107.000€ (PIs: F. Creutzig, O. Edenhofer)

COMMITTEES AND SERVICE

2023-	Advisory Board for Sustainability and Integrity, Mercedes-Benz
2023-	Member of the UN Expert Group on SDGs. Thematic lead on Cities.
2022-2024	Member of the International Expert group for the Special Policy Study on Promoting Digitalization and Green Technologies for Sustainable Development advising the State Council of China
2022-	Member of the Climate Advisory Board of the German Federal Ministry of Digital and Transport (BMDV) (<i>Expertenbeirats Klimaschutz in der Mobilität</i>)
2022-	Member of the Climate Advisory Board of Berlin (<i>Klimaschutzrat</i>), also <i>advising Berlin's citizen council on climate change</i>
2022-	Member of the Climate Advisory Board of Friedrichshain-Kreuzberg (<i>Klimabeirat Friedrichshain-Kreuzberg</i>)
2022-	Member of Working Group AI and Sustainability of ZVKI

2018-2021	Coordinating Lead Author of the IPCC 6th Assessment Report, Working Group III, Chapter 5: Demand, services and social aspects of mitigation
2019-	Member of the Scientific Advisory Board of <i>Climate Change AI</i>
2019	Vice-Chair appointment committee of the chair in Urban- and Regional Economics at ISR, TU Berlin
2017	Program Committee Cities and Climate Conference 2017 (Potsdam, 19-21 Sep 2017)
2016-2017	Member of Green Growth Knowledge Platform Sustainable Infrastructure Research Committee
2016	Lead Author of the 2nd State of the Carbon Cycle Report (SOCCR-2) for the US government
since 2015	Member of the Scientific Advisory Board of Klimafakten
2014	Lead Author of the 2nd UCCRN Assessment Report on Climate Change and Cities (Chapter 4 - <i>Equity and Environmental Justice</i>)
2010–2014	Lead Author for the IPCC 5th Assessment Report, Working Group III (Chapter 8 on Transport, Technical Summary, Summary for Policy Maker) Contributing Author to Chapter 12 on Human Settlements, Infrastructures and Spatial Planning and to Chapter 11 on Agriculture, Forestry and Land Use, for which leading the Crosscut on Bioenergy , coordinating 22 authors
2012/2013	Member of the Dahrendorf Academic Board
2010	Lead Analyst to the Knowledge Module 9: Energy Efficient End-use: Transport
2010	Contributing Author to the IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation for Chapter 9 and Chapter 11
2009-2011	Chair of Netzwerk Europa (Alumni Organization of the Studienkolleg zu Berlin)
2005-2009	Founder of Berliner Luft - Sustainable Transport for Berlin. NGO promoting public transportation, cycling and walking modes in Berlin.
since 2004	German Physical Society - DPG

JOURNAL SERVICE

Editorial Board: Global Sustainability (2017-), PLOS ONE (2018-), Mitigation and Adaptation Strategies for Global Change (2020-), Environmental Data Science (2021-2024)

Advisory Board: Environmental Research Letters (2012-)

Guest Academic Editor: PLOS ONE (2017)

Special Issue Editor:

- *Systematizing and Upscaling Urban Solutions for Climate Change Mitigation* in Environmental Research Letters, completed in 2020. See also references 67, 68 and 93.
- *Near-Term Mitigation Pathways: Technologies and Policies for Energy Efficiency and Low Carbon Energy* in Applied Energy, completed in 2019. See also reference 70.
- *Demand-Side Solutions for Transitioning to Low-Carbon Societies* in Environmental Research Letters, to be completed in 2020
- *Evidence Synthesis for Climate Solutions* in Environmental Research Letters, to be completed in 2020

Award: Publons Peer Review Award 2018 (Among top 1% of reviewers in Environment)

Reviewer: Science, Nature, Nature Climate Change, Nature Sustainability, Proceedings of the National Academy of Sciences, Environmental Research Letters, Journal of Industrial Ecology, Global Environmental Change, Current Opinion in Environmental Sustainability, Regional Environmental Change, Transport Policy, Energy Policy, Climatic Change, Ecological Economics, Energies, Global Change Biology Bioenergy, Biomass and Bioenergy, Environment and Planning B, International Journal of Sustainable Transportation, Transport Research D, Landscapce and Urban Planning, Science of the Total Environment, Environment Development and Sustainability, Renewable and Sustainable Energy Reviews, Sustainable Cities and Society, Umweltpolitik und Umweltrecht, Annals of the American Association of Geographers, Forest, European Research Council, Asian Development Bank, African Academy of Sciences, Climate Policy, PLOS ONE, Research Council of Norway, Oxford Martin School.

AWARDS AND SCHOLARSHIPS

2023–	El-Erian Institute Fellow, Cambridge University
2022	Member Academida Europaea
2019	Fellow of the Israel Public Policy Institute on <i>The Governance of Digital Commons</i>
2017	Piers Sellers Prize , recognizing exceptional climate change research
2008–2009	European Recovery Program Scholarship
2006	Stipend for <i>Methods in Computational Neuroscience</i> , MBL, Woods Hole, MA
2004–2006	Boehringer Ingelheim Fonds Scholarship
2003–2004	Studienkolleg zu Berlin, Hertie Foundation, Award and Scholarship
2002–2003	Cambridge European Trust Scholarship
1999–2007	German National Merit Foundation, Award and Scholarship

WORKSHOP AND CONFERENCE CONVENING AND ORGANIZATION

2022	Organizing and convening a symposium on Public Policy of Human Settlements at Technical University Berlin
2022	Convening a workshop on Up-scaling co-benefits of sustainable consumption for development at the German Institute for Development and Sustainability
2021	Organizing and convening a workshop on Digitalization in the Anthropocene
2018	Organizing and Convening conference on <i>Systematizing and Upscaling Urban Solutions for Climate Change Mitigation</i> , together with Future Earth and the Global Carbon Project (Sep 13-14, 2018)
2018	Organizing and Convening workshop on <i>Climate policy and Challenges for the Road Transport Sector</i> , together with the German automobile industry (Jan 25, 2018)
2013	Organizing workshop on <i>Transport-sector inclusion into EU ETS: Contrasting the Engineering and the Economics perspective</i>
2013	Organizing and Chairing Lord-Dahrendorf-Workshops on <i>Low-Carbon Infrastructures, Co-Benefits and Land Taxation in European Cities</i> and <i>A European Energiewende as a European Common Good?</i>

2013	Organizing workshop with Thomas Pogge and Ottmar Edenhofer dedicated to <i>Global Public Good Provision</i>
2012	Organizing and Chairing Workshop at Technical University Berlin on <i>Land Rents, Infrastructures and Climate Change</i>
2009	Chairing a side event at COP15, Copenhagen, on <i>Driving home solutions: transport emissions trading and regional adaptation information</i>
2009-2011	Chairman of <i>Netzwerk Europa</i> - Alumni-Organization of the Studienkolleg zu Berlin, convening seminars, projects and alumni-meetings.
	As chair of Netzwerk Europa, the alumni society of the Studienkolleg zu Berlin, I was engaged in building up a community of more than 300 European students and scholars by organizing regular workshops and alumni meetings from 2009-2011.
2010	Co-Chairing <i>Ambivalence in Providing Humanitarian Aid</i> , Chorin
Jul 2009	Co-Chair, <i>The Future of European Cities in Times of Climate Change</i> , for Netzwerk Europa; funded by the Hertie Foundation; in Berlin.
Oct 2006	Co-Chairing and Organizing <i>Power & Rationality: The Future of Energy Supply</i> , funded by the German National Merit Foundation and the Böll Foundation; in Tübingen.
May 2001	Co-Chairing and Organizing, Alumni Meeting of Members of the Schülerakademie - 300 people; 28 courses; in Kirchheim.

LANGUAGES

Native	German
Fluent	English, French
Basic	Hebrew, Italian, Spanish
+	

PEER-REVIEWED PUBLICATIONS (H-INDEX GOOGLE SCHOLAR: 78)

*read abstract or upload PDFs by click on title

163. *Bridging the scale between the local particular and the global universal in climate change assessments of cities*
F. Creutzig, T. McPhearson, et al., R. Bardhan, C. Belmin, W.T.L. Chow, M. Garschagen, A. Hsu, S. Kılıç, S.T. Islam, N. Milojevic-Dupont, M. Pathak, R.H.M. Pereira, P. Salehi, D. Ürge-Vorsatz. *Nature Cities*, 2, 369–378, 2025 (IF: 9.10)
162. *Individualized cost–benefit analysis does not fit for demand-side mitigation*
S. Berger, **F. Creutzig**. *Nature Climate Change*, 2025 (IF: 30.30)
161. *Early warning of complex climate risk with integrated artificial intelligence*
M. Reichstein, **F. Creutzig**, et al.
Nature Communications, 16, 2564, 2025 (IF: 14.70)

160. *Worldwide rooftop photovoltaic electricity generation may mitigate global warming*
 Z. Zhang, Z. Qian, M. Chen, R. Zhu, F. Zhang, T. Zhong, J. Lin, L. Ning, W. Xie, **F. Creutzig**, W. Tang, L. Liu, J. Yang, Y. Pu, W. Cai, Y. Pu, D. Liu, H. Yang, H. Su, M. Lu, F. Li, X. Cui, Z. Xie, T. Sheng, K. Zhang, P. Santi, L. Tian, G. Lü, J. Yan.
Nature Climate Change, pages 1–10, 2025 (IF: 30.30)
159. *An urban shared pooled mobility system cuts distance travelled by over 50%*
 A. Schmaus, **F. Creutzig**, N. Koch, F. Nachtigall, N. Molkenthin.
Transportation Research Part D: Transport and Environment, 144, 104726, 2025 (IF: 6.0)
158. ‘*Crafts are great, but not for me*’: Reconnecting to the skilled trades crucial for building a low-carbon implementation workforce in academised societies
 M. Aichinger, S. Wehden, J. Ludwig, **F. Creutzig**.
Energy Research & Social Science, 125, 104120, 2025 (IF: 8.0)
157. *Deep uncertainty in carbon dioxide removal portfolios*
 Q.R. Méndez, **F. Creutzig**, S. Fuss.
Environmental Research Letters, 20, 2025 (IF: 6.9)
156. *The Earth alignment principle for artificial intelligence*
 O. Gaffney, A. Luers, F. Carrero-Martinez, B. Oztekin-Gunaydin, **F. Creutzig**, et al.
Nature Sustainability, 8(5), 233, 2025 (IF: 27.0)
155. *Built environment and travel: Tackling non-linear residential self-selection with double machine learning*
 F. Nachtigall, F. Wagner, P. Berrill, **F. Creutzig**.
Transportation Research Part D: Transport and Environment, 140, 104593, 2025 (IF: 6.0)
154. *Local climate action from the middle-out: the social potential of craft guilds to facilitate low-carbon installations in Germany*
 S. Wehden, K.B. Janda, J. Jansen, **F. Creutzig**.
Energy Efficiency, 18(2), 2025 (IF: 3.0)
153. *Urban Fabric Decoded: High-Precision Building Material Identification via Deep Learning and Remote Sensing*
 K. Sun, Q. Li, Q. Liu, J. Song, M. Dai, X. Qian, S.R.B. Gummid, B. Yu, **F. Creutzig**, G. Liu.
Environmental Science and Ecotechnology, 24, 100538, 2025 (IF: 6.5)
152. *Choosing photovoltaics installation as a job emerges as a pro-environmental behaviour in the context of low-carbon transitions’ skill shortages in Germany*
 S. Wehden, H. Garber, M. Aichinger, E. Hempel, **F. Creutzig**, K.B. Janda.
Journal of Cleaner Production, 491, 144534, 2025 (IF: 11.0)
151. *Taking Academic Ownership of the Supply Chain Emissions Discourse* A. Wieland, **F. Creutzig**.
Journal of Supply Chain Management, 61(1), 3–13, 2025 (IF: 10.20)
150. *Closing the gap: Integrating behavioral and social dynamics through a modular modelling framework for low-energy demand pathways*
 L. Niamir, **F. Creutzig**.
Energy Research Social Science, 122, 103988, 2025 (IF: 8.29)
149. *Will AI accelerate or delay the race to net-zero emissions?*
 Luers, A., Koomey, J., Masanet, E., Gaffney, O., **Creutzig, F.**, Lavista Ferres, J., Horvitz, E. (2024)
Nature, 628(8009), 718-720.
148. *Sustainability limits needed for CO2 removal*
 Deprez, A., Leadley, P., Dooley, K., Williamson, P., Cramer, W., Gattuso, J.-P., Rankovic, A., Carlson, E.L., **Creutzig, F.** (2024) *Science*

147. *Shared pooled mobility essential complement to decarbonize China's transport sector until 2060*
 Hu, J., Ayaragarnchanakul, E., Yang, Z., **Creutzig, F.** (2024) Mitigation and Adaptation Strategies for Global Change 29(5):37
146. *Shared pooled mobility: Expert review from nine disciplines and implications for an emerging trans-disciplinary research agenda*
Creutzig, F., Schmaus, A., Ayaragarnchanakul, E., Becker, S., Falchetta, G., Hu, J., Goletz, M., Gueret, A., Nagel, K., Schild, J., and others (2024) Environmental Research Letters 19
145. *Demand-side climate change mitigation: where do we stand and where do we go?*
Creutzig, F., Roy, J., Minx, J.M. (2024) Environmental Research Letters 19(4):040201
144. *Coal transitions—part 2: phase-out dynamics in global long-term mitigation scenarios*
 Minx, J. C., Hilaire, J., Mueller-Hansen, F., Nemet, G., Diluiso, F., Andrew, R. M., Ayas, C., Bauer, N., Bi, S. L., Clarke, L., **Creutzig, F.**, and others (2024) Environmental Research Letters 19(3):033002
143. *Comparing urban form influences on travel distance, car ownership, and mode choice*
 Berrill, P., Nachtigall, F., Javaid, A., Milojevic-Dupont, N., Wagner, F., **Creutzig, F.** (2024) Transport Research D 128:104087
142. *Environmental and welfare gains via urban transport policy portfolios across 120 cities*
 Liotta, C., Viguié, V., **Creutzig, F.** (2023) Nature Sustainability: 1-10.
141. *Built structures influence patterns of energy demand and CO₂ emissions across countries*} Haberl, H., Löw, M., Perez-Laborda, A., Matej, S., Plank, B., Wiedenhofer, D., **Creutzig, F.**, Erb, K.-H., Duro, J. A. (2023) Nature Communications, 14(1), 3898
140. *Designing a virtuous cycle: Quality of governance, effective climate change mitigation, and just outcomes support each other*
Creutzig, F., Goetzke, F., Ramakrishnan, A., Andrijevic, M., Perkins, P. (2023) Global Environmental Change, 82, 102726.
139. *Carbon emissions and economic impacts of an EU embargo on Russian fossil fuels*
 Liu, L.J., Jiang, H.D., Liang, Q.M., **Creutzig, F.**, Liao, H., Yao, Y.F., ... Wei, Y.M., (2023) Nature Climate Change 13(3), 290-296.
138. *Technological innovation enables low cost climate change mitigation*
Creutzig, F., Hilaire, J., Nemet, G., Müller-Hansen, F., Minx, J. C. (2023). (2023) Energy Research & Social Science, 105, 103276.
137. *Efficiency traps beyond the climate crisis: exploration-exploitation trade-offs and rebound effects*
 Segovia-Martin, J., **Creutzig, F.**, Winters, J. (2023) Philosophical Transactions of the Royal Society B, 378(1889), 20220405.
136. *Modeling Low Energy Demand Futures for Buildings: Current State and Research Needs*
 Mastrucci, A., Niamir, L., Boza-Kiss, B., Bento, N., **Creutzig, F.**, Wiedenhofer, D., Streeck, J., ..., van Ruijven, B. (2023) Annual Review of Environment and Resources, 48, 761-792.
135. *Predicting building age from urban form at large scale*
 Nachtigall, F., Milojevic-Dupont, N., Wagner, F., **Creutzig, F.**, Computers, Environment and Urban Systems, 105, 102010
134. *Proposing a 1.0° C climate target for a safer future*
 Breyer, C., Keiner, D., Abbott, B. W., Bamber, J. L., **Creutzig, F.**, Gerhards, C., ... Terli, Ö. (2023) PLOS Climate, 2(6), e0000234
133. *Harnessing human and machine intelligence for planetary-level climate action*
 Debnath, R., **Creutzig, F.**, Sovacool, B. K., Shuckburgh, E. (2023) npj Climate Action, 2(1), 20.

132. *Electrifying public transit benefits public finances in small island developing states*
 Soomauroo, Z., Blechinger, P., **Creutzig, F.**, (2023) Transport Policy.
131. *Urban form features determine spatio-temporal variation of ambient temperature: A comparative study of three European cities*
 Zekar, A., Milojevic-Dupont, N., Zumwald, M., Wagner, F., **Creutzig, F.**, (2023) Urban Climate 49: 101467.
130. *Contribution of carbon pricing to meeting a mid-century net zero target*
 Haites, E., Bertoldi, P., König, M., Bataille, C., **Creutzig, F.**, Dasgupta, D., ... Sari, A., (2023) Climate Policy 1-12.
129. *EUBUCCO v0. 1: European building stock characteristics in a common and open database for 200+ million individual buildings*
 N. Milojevic-Dupont, F. Wagner, F., Nachtigall, F., Hu, J., Brüser, G.B., M. Zumwald, ... **Creutzig, F.**, (2023) Scientific Data 10(1), 147.
128. *Agent-based modeling to integrate elements from different disciplines for ambitious climate policy*
 Savin, I., **Creutzig, F.**, Filatova, T., Foramitti, J., Konc, T., Niamir, L., ... van den Bergh, J., (2023) Wiley Interdisciplinary Reviews: Climate Change 14(2), e811.
127. *Fuel crisis: Slash demand in three sectors to protect economies and climate.*
F. Creutzig (2022) Nature
126. *Digitalization and the Anthropocene*
F. Creutzig, D. Acemoglu, X. Bai, P. N. Edwards, M. J. Hintz, L. H. Kaack, S. Kilkis, S. Kunkel, A. Luers, N. Milojevic-Dupont, D. Rejeski, J. Renn, D. Rolnick, C. Rosol, D. Russ, T. Turnbull, E. Verdolini, F. Wagner, C. Wilson, A. Zekar, M. Zumwald (2022) Annual Review of Environment and Resources, 47
125. *Leaders or laggards in climate action? Assessing GHG trends and mitigation targets of global megacities*
 M. Sethi, **F. Creutzig** (2023) PLOS Clim 2(1): e0000113. <https://doi.org/10.1371/journal.pclm.0000113>.
124. *Using explainable machine learning to understand how urban form shapes sustainable mobility*
 F. Wagner, N. Milojevic-Dupont, L. Franken, A. Zekar, B. Thies, N. Koch, **F. Creutzig** (2022) Transportation Research Part D: Transport and Environment, 111, 103442.
 Media: Deutschlandfunk – IDW
123. *Aligning artificial intelligence with climate change mitigation*
 L. H. Kaack, P. L. Donti, E. Strubell, G. Kamiya, **F. Creutzig**, D. Rolnick (2022) Nature Climate Change 1-10
122. *Shifting urban mobility patterns due to COVID-19: comparative analysis of implemented urban policies and travel behavior changes with an assessment of overall GHG emissions implications*
F. Creutzig, S. Lohrey, M. V. Franzia (2022) Environmental Research: Infrastructure and Sustainability.
121. *Pandemic, War, and Global Energy Transitions*
 B. Zakeri, K. Paulavets, L. Barreto-Gomez, L. G. Echeverri, S. Pachauri, B. Boza-Kiss, C. Zimm, J. Rogelj, **F. Creutzig**, D. Ürge-Vorsatz, D. G. Victor (2022) Energies, 15(17), p.6114.
120. *Demand-side solutions to climate change mitigation consistent with high levels of wellbeing*
F. Creutzig, L. Niamir, X. Bai, J. Cullen, J. Diaz-Jose, M. Figueroa, A. Grubler, W. Lamb, A. Leip, E. Masanet, E. Mata, L. Mattauch, J. Minx, S. Mirasgedis, Y. Mulugetta, S. Nugroho, M. Pathak, P. Perkins, J. Roy, Y. Saheb, L. Steg, J. Steinberger, D. Urge-Vorsatz (2022) Nature Climate Change

119. *Tackling Climate Change with Machine Learning*
 D. Rolnick, P. L. Donti, L. H. Kaack, K. Kochanski, A. Lacoste, K. Sankaran, A. Slavin Ross, N. Milojevic-Dupont, N. Jaques, A. Waldman-Brown, A. Luccioni, T. Maharaj, E. D. Sherwin, S.K. Mukkavilli, K. P. Kording, C. Gomes, A. Y. Ng, D. Hassabis, J. C. Platt **F. Creutzig**, J. Chayes, Y. Bengio (2022) ACM Computing Surveys (CSUR), 55(2), 1-96.
Media: unite.ai – Horizon
118. *Choosing a Mode in Bangkok: Room for Shared Mobility?*
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MAGAZINE ARTICLES, BLOGS, INTERVIEWS

for list of media appearances related to publications see list above

- | | |
|------|--|
| 2022 | Zeit <i>Die Bevölkerung ist oft weiter als die Politik</i> |
| 2022 | Tagesspiegel <i>Streitgespräch zur A100 in Berlin: „Sobald Infrastruktur für Autos gebaut wird, stirbt das Leben in der Stadt“</i> |
| 2022 | Deutschlandfunk „ <i>Warmduschen für 20 Prozent des Energieverbrauchs im Haushalt verantwortlich</i> “ |
| 2022 | SWR <i>Wie konkreter Klimaschutz unsere Lebensqualität erhöhen kann</i> |
| 2022 | Zeit <i>Bäume verheizen, aber den Wald retten wollen</i> |
| 2022 | Tagesspiegel <i>Klimapodcast Gradmesser: Vom Glück sich zu ändern</i> |
| 2022 | FAZ <i>Der Weltklimarat sieht die Politik am Scheideweg</i> |
| 2022 | Berliner Zeitung <i>IPCC-Leitautor: Wie dringend der Klimaschutz soziale Gerechtigkeit braucht</i> |
| 2022 | NDR <i>Wie Kopenhagen mit Fernwärme das Klima rettet</i> |
| 2022 | Tagesspiegel <i>Weltklimarat sieht großes Potenzial auf Nachfrageseite</i> |
| 2021 | Tagesspiegel <i>Porträt Felix Creutzig</i> |
| 2021 | Deutschlandfunk: <i>Klimaschutz und Verzicht Was wir aus der Coronakrise lernen können</i> |
| 2021 | Tagesspiegel <i>Verbrennungsmotor in der Sackgasse</i> |
| 2021 | Tagesspiegel <i>Forscher kritisieren Berechnung zu höheren Emissionen aus der E-Mobilität</i> |
| 2021 | Deutschlandfunk: <i>Biden meint den Klimaschutz sehr ernst</i> |

2021	Watson: <i>Warum ausgerechnet Grossbritannien Vorreiter in der Klimapolitik ist</i>
2020	Tagesspiegel: <i>Forscher simulieren Maximum für Bioenergie mit Kohlendioxid-Speicherung</i>
2018	Sueddeutsche Zeitung: <i>Brennende Wälder</i>
2018	web.de: <i>Muss der Sprit teurer werden?</i>
2017	Carbon Brief: <i>Why solar keeps being underestimated</i>
2017	The Guardian: <i>EU must not burn the world's forests for 'renewable' energy</i>
2017	Zeit online: <i>Deutschland, das gefährliche Vorbild</i> , zusammen mit Jan Steckel
2017	web.de: <i>Wohnraummangel in Großstädten: Wird die Entwicklung noch zunehmen?</i>
2013	Cicero: <i>Energiewende - Die Große Chance in der Eurokrise</i>
2013	Kultura Liberalna: <i>Cities: Pragmatic Action to Deal with Climate Change</i>
since 2009	Environmental Research Web: <u>Blogs, a selection of them is listed on this website</u>
2011	Europe & Me: <i>On the European debt crisis</i>
2009	Chinadialogue: <i>Fixing Beijing's transport nightmare</i>
2008	Tagesblick: <i>Zeit Voranzuschreiten</i>
2007	TIP Berlin: <i>Autofrei ist sexy</i>

INVITED TALKS (SELECTION)

2023	Ringvorlesung TU Berlin, Presentation Title: <i>Digitalization, AI and the Anthropocene – A focus on cities</i>
2023	Digital Humanism Conference, Vienna, Presentation title: <i>Computing for Sustainability</i>
2023	Making the European Green Deal Strong and Real, Brussels (ecolise), Presentation Title: <i>Demand-Side Solutions Can Support the European Green Deal</i>
2023	Austrian Federal Ministry Republic of Austria for Climate Action, Environment, Energy, Mobility, Innovation and Technology, Vienna, Presentation title: <i>AI and Sustainability</i>
2023	Keynote bite conference, Berlin, Presentation title: <i>The IPCC perspective on dietary change, land use and biodiversity</i>
2023	Keynote Meat Transformation conference, Monte Verita, Presentation title: <i>Meat transformation in the context of planetary change</i>
2023	Keynote Kommunales Nachbarschaftsforum Berlin – Brandenburg e.V., Berlin, Presentation title: <i>Klimaschutzstrategien in Berlin and Brandenburg</i>
2023	Keynote Ecole Normale Superior, Presentation title: <i>The biodiversity-food-energy-climate nexus</i>
2023	Magliaso, Summer School Swiss Studienstiftung, presentation title: <i>Demand-side climate solutions</i>
2023	European Forum Alpbach, presentation title: <i>Urban and transport climate solutions that work</i>

- 2023 OECD (virtual), presentation title: *Low-carbon consumer behavior*
- 2023 OECD, Paris, presentation title: *A place-based approach for low-carbon transitions*
- 2023 keynote PROVIDE, presentation title: *Contributions of demand-side approaches to climate change mitigation*
- 2022 AI for Sustainability, University of Michigan, Title: *Digitalization, AI and the Anthropocene – Past, Present, Future*
- 2022 Sustainable Built Environment, Title: *Towards a Public Policy of Human Settlements*
- 2022 Grüne Berlin, Title: *Klimamonitoring: essentielles Instrument für städtische Klimagovernance*
- 2022 Deutsch-Japanisches Umwelt- und Energiedialogforum, Title: *Vision emission free city – rethinking mobility*
- 2022 Sommerakademie Demokratie der Begabtenförderungswerke, Title: *Klimawandel, Digitalisierung und die Zukunft der Demokratie*
- 2022 Berlin Sommeruniversität, Title: *Klimaschutz: Unsere gemeinsame Verantwortung*
- 2022 Climate Change and AI Summer School, Title: *IPCC: insight on climate solutions and the role of AI*
- 2022 Advancing the Global Energy Transition, Princeton, Title: *Cities matter: Nexus of climate solutions and the good life*
- 2022 Up-scaling co-benefits of sustainable consumption for development at German Institute for Development and Sustainability, Title: *Consumption and demand-side management for climate change mitigation*
- 2022 Einstein Center Climate Change , Title: *Towards a Public Policy of Human Settlements*
- 2022 Chalmers (Virtual) , Title: *Mitigation of Climate Change: Demand Side Solutions*
- 2022 Bundeskanzleramt , Title: *Working Group III Climate Change Mitigation*
- 2022 Centre for Research into Energy Demand Solutions (Virtual) , Title: *Mitigation of Climate Change: Demand Side Solutions*
- 2022 Input for Berlin's Citizens' Climate Council, Title: *Klimaschutz in Berlin: E-Mobilität und Sammeltaxis*
- 2022 Handelsblatt Jahrestagung Stadtwerke, Title: *Mitigation of Climate Change: Wo stehen wir?*
- 2022 German Institute for Development and Sustainability, Bonn, Title: *How can low-carbon behavioural change be scaled up and what are the wider benefits of adopting low-carbon lifestyles?*
- 2022 DNR, Title: *Mitigation of Climate Change: Demand Side Solutions*
- 2022 AI Innovations 2022 Summit, Title: *Digitalization, AI and the Anthropocene – Past, Present, Future*
- 2022 Centre for Climate Change and Social Transformation, Cardiff, Title: *Mitigation of Climate Change: Demand Side Solutions*
- 2022 Behaven, Title: *Mitigation of Climate Change: Demand Side Solutions*

2022	Austria Ministerial Conference on IPCC report, Title: <i>Mitigation of Climate Change: Demand Side Solutions</i>
2022	Mensa in Deutschland e.V., Title: <i>Demand Side Climate Solutions</i>
2022	Tsinghua University (virtual), Title: <i>Digitalization, AI and the Anthropocene Urban Solutions</i>
2022	Queens College, Cambridge University, Title: <i>Demand Side Climate Solutions</i>
2022	Heinrich-Böll-Foundation (virtual), Title: <i>Digitalization, AI and the Anthropocene – Past, Present, Future</i>
2022	Shaping the Future, Max Planck Society (virtual), Title: <i>Digitalisierung, KI und das Anthroponozän – Vergangenheit, Gegenwart, Zukunft</i>
2022	Evidence to Action: Achieving the Net-Zero 2050 Targets, Princeton (virtual), Title: <i>Demand Side Climate Solutions</i>
2021	COSIMENA, Cairo (virtual), Title: <i>Integrated climate and sustainability solutions in urban transport</i>
2021	Science Forum, Moscow (hybrid), Title: <i>The three revolutions in car mobility and implications for carbon neutrality in Berlin and Moscow</i>
2021	Verband Kommunaler Unternehmen , Berlin (virtual), Title: <i>Klimaschutz in Städten und die Rolle der Digitalisierung</i>
2021	Centre Marc Bloch, Berlin, Title: <i>Demand side solutions to climate change mitigation</i>
2021	Urania , Berlin, Title: <i>Berlin schützt Klima - 2030</i>
2021	Berlin Partner, Berlin, Title: <i>Klimaneutralität: Implikationen für die Berliner Wirtschaft</i>
2021	Berlin Science Week, Berlin, Title: <i>Vorstellung des neuen Einstein Centers Climate Change</i>
2021	Technische Hochschule Köln, Title: <i>Smart Mobility: is it sustainable?</i>
2021	GIZ, Title: <i>Digitalization in urban mobility: some considerations and directions</i>
2021	London School of Economics, London (virtual) Title: <i>A few remarks on the interplay between resources and urban form</i>
2020	Sciences Notes , Heidelberg, Title: <i>Städtische Lösungen für das Anthroponozän</i>
2020	Keynote at Applied Machine Learning Days , Lausanne, Title: <i>Urban Solutions for the Anthropocene</i>
2019	Keynote at NeurIPS , Vancouver, Canada, Presentation Title: <i>Leveraging digitalization for urban solutions in the Anthropocene</i>
2019	COP25, Madrid Presentation Title: <i>The role of digitalization in desirable pathways of the Anthropocene</i>
2019	Ringvorlesung Technical University Berlin, Title: <i>Urbanisation and Global Environmental Change</i>
2019	IEA Workshop on Bioenergy, Berlin Title: <i>The (non-)rationale of bioenergy for climate change mitigation</i>
2019	Zukunftsbrücke, Title: <i>Prosperity for all: Individual Wellbeing and Planetary Stability</i>

- 2019 Oberbürgermeister Potsdam, Potsdam, Title: *Infrastrukturinvestitionen, Verhaltensänderung und soziale Normen: koordinierte Massnahmen für die Förderungen der umweltfreundlichen Verkehrsmittel*
- 2019 Hebrids, Berlin Title: *Machine learning for low-carbon urban planning*
- 2019 Nachhaltig Lecture Series, Halle, Title: *Nachfrage, Konsum und Klimaschutz*
- 2018 **Keynote at European Congress of Conservation Biology, Jyväskylä, Finland**, Presentation Title: *The Paris agreement promises? How to stay below 1.5 - 2 C warming, and what does it mean in the context of sinks and sources/Global bioenergy potential.*
- 2018 IPCC Cities conference in Edmonton, Presentation Title: *Upscaling urban data science for global climate solutions*
- 2018 IPCC Cities conference in Edmonton, Presentation Title: *Geometric design of cities balances trade-off between climate mitigation and urban heat island*
- 2018 MBA Sustainable Mobility Management, Presentation Title: *Sustainability Transformations in Urban Transport*
- 2017 Summer School Energy and the Environment, Presentation Title: *Making Urban Transport Solutions Effective for Global Climate Mitigation*
- 2017 Leading the way to a new European bioeconomy strategy, European Forest Institute and German Ministry for Agriculture - Berlin, Presentation Title: *The Urban Contribution to a Nascent Bioeconomy*
- 2017 **Piers Sellers Price Lecture** - Leeds, Presentation Title: *Urban climate change solutions at global scale*
- 2017 FONA Agendakonferenz: Wege zur Mobilitätswende. Forschung und Innovation für eine nachhaltige urbane Mobilität - Berlin, Presentation Title: *Mobility and Climate Change Mitigation - A Global Perspective*
- 2016 Class on Climate Change Governance, University of Wisconsin - Madison, Presentation Title: *Demand vs Supply Side: Design and Rational of IPCC Reports*
- 2016 Weston Round Table, University of Wisconsin - Madison, Presentation Title: *Urbanization and Global Environmental Change*
- 2016 University of Wisconsin Law School, University of Wisconsin - Madison, Presentation Title: *The rationality of climate change legislation in EU law*
- 2016 Summer School Energy and the Environment, Presentation Title: *Global Challenges and Trends for Urban Transportation*
- 2014 Chair for Traffic Engineering (Kai Nagel), Technical University Berlin, Presentation Title: *Sustainable urban form: global observations and analytical modeling*
- 2014 Forschungsstelle Nachhaltige Umweltentwicklung (Hermann Held), Hamburg, Presentation Title: *Ambiguity and optimal learning in climate mitigation scenarios*
- 2014 Climate Change and Transport, Karlsruhe, Key Note: *Divergent Views on Low-Carbon Transportation*
- 2014 Yale School of Forestry & Environmental Studies, Presentation Title: *Industrial Sustainability at the Nexus between Land Use and Energy*
- 2014 Climate Foundation Donor Deep Dive, Lisbon, Presentation Title: *Urban transport as a hotspot for climate mitigation*

- 2014 ITB (Internationale Tourismus-Börse), Berlin, Presentation Title: *Mitigation GHG emissions in tourism and aviation*
- 2014 European Climate Foundation, Berlin, Presentation Title: *Key insights on mitigating climate change in the transport sector*
- 2013 Deutscher Geographentag, Passau, Presentation Title: *ASIF: Updating Decomposition Options of Low-Carbon Futures in Land Transport*
- 2013 Summer School of the German National Merit Foundation, Leysin, Key note: *Man City Earth*
- 2013 Princeton Institute for International and Regional Studies, Presentation Title: *An ecological rationality approach towards climate change mitigation*
- 2013 University of Louisville, Kentucky, Presentation Title: *Narratives of Low-Carbon Futures in Land Transport*
- 2012 Potsdam Institute on Climate Impact Research, Presentation Title: *Cities, transport costs and resulting GHG emissions*
- 2012 Princeton Institute for International and Regional Studies, Presentation Title: *Hitting the roof of analytical framework - Epistemological Uncertainty in Bioenergy Assessments*
- 2012 World Bank, Transport - Turning the Right Corner, Presentation Title: *Narratives of low-carbon futures in land transport*
- 2012 VDA (German Association of the Automotive Industry), Presentation Title: *Climate policies in transport revisited*
- 2012 Harvard Project for Asian and International Relations, Briefing of the European Delegation, Presentation Title: *Mobility and Sustainability: An Asian-European Comparison*
- 2012 Global Sustainability Summer School, Potsdam Institute for Advanced Sustainability Studies and Potsdam Institute on Climate Impacts, Presentation Title: *Fishbanks: Seeking to manage the global commons*
- 2012 Potsdam Institute for Advanced Sustainability Studies, What population decline means for public service provision in rural regions, Presentation Title: *A Climate Economic Perspective: Rural Mobility and GHG Emissions*
- 2012 National Research Council, Needs and Research Requirements for Land-Change Modeling, Chapel Hill, Presentation Title: *Bioenergy and Land Use*
- 2012 Leopoldina - German National Academy of Sciences, Briefing Meeting on Bioenergy, Presentation Title: *Comparing Assessments on Bioenergy*
- 2012 Bundesumweltministerium, Presentation Title: *Policies for Decarbonizing the Transport Sector*
- 2012 Yale School of Forestry & and Environmental Studies, Presentation Title: *Evaluating bioenergy futures*
- 2012 GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit), Presentation Title: *Low-carbon transport scenarios for European cities*
- 2011 North American Regional Science Council, 58th Annual North American Meeting, Miami, Presentation Title: *Fuel prices, urban form and optimal public transit*
- 2011 Carlo Schmid Programm, Annual Alumni Meeting, Presentation Title: *Governing the Global and Local Commons*

2011	attac Oldenburg, Presentation Title: <i>The Economics of Car-Free Cities</i>
2011	Summer School of the German National Merit Foundation, Salem, Key note: <i>Bioenergy and Sustainability: The Limits of Disciplinary Research</i>
2010	Deutsche Bahn, Presentation Title: <i>Integrating the Transport Sector into the EU Emission Trading Scheme</i>
2010	California State Capitol, Sacramento, Presentation Title: <i>CITIES: Car Industry, Road Transport and an International Emission trading Scheme - policy options</i>
2010	innoz, Presentation Title: <i>Evaluating the Climate Mitigation Benefits of a German Road Charging Policy</i>
2010	Umweltbundesamt, Presentation Title: <i>A Review: Options for Decarbonizing the Transport Sector</i>
2009	COP15, Copenhagen, on <i>Bridging the gap Pathways for transport in the post 2012 process</i>
2009	Potsdam Institute of Climate Impact Research, Presentation title: <i>Synergies in Urban Transport Policies</i>
2009	Energy and Resources Group, Berkeley, Presentation title: <i>Co-Benefits of Transport Demand Management Measures: A Beijing Case Study</i>
2008	Max Planck Institute for Biological Cybernetics, Bethge-Lab, Tübingen, Presentation title: <i>Predictive Coding Principles</i>
2006	Freie Universität Berlin, Theoretical Neuroscience, Grün-Lab, Presentation title: <i>Optimality and Sufficiency in the Decoding of Auditory Signals</i>
2006	Cold Spring Harbor Laboratory, Zador-Lab, Presentation title: <i>Sufficient Encoding in the Auditory System: Lessons from Grasshopper Mating Songs</i>
2005	Hebrew University, Interdisciplinary Center for Neural Computation, Presentation title: <i>The Past-Future Information Bottleneck</i>

CONFERENCE AND WORKSHOP CONTRIBUTIONS

2019	IIASA-Rite Symposium on Demand-side climate solutions, Laxenburg Title: <i>Current state of IPCC assessment on demand-side solutions</i>
2019	Conference Ethics and Value in Assessment, MCC Berlin, Title: <i>Intersection points of values and scenario modelling in the IPCC</i>
2019	IPep1.5 Symposium, Potsdam Title: <i>Session moderator</i>
2019	International Society Industrial Ecology Title: <i>Scaling up Urban Solutions for Global Climate Mitigation</i>
2017	Third Annual International Transport Energy Modelling (ITEM3) Workshop, Paris Presentation Title: <i>Carbon pricing renders high-speed railways efficient for climate mitigation</i>
2016	Symposium ‘Cities as Complex systems’, Hannover Presentation Title: <i>Urban typologies to bridge the gap between idiosyncratic cities and global environmental change</i>
2014	Second International UGEC (Urbanization and Global Environmental Change) conference, Presentation Title: <i>Urban Heat Risks, Health and Equity</i>

- 2014 Second International UGEC (Urbanization and Global Environmental Change) conference, Presentation Title: *Urban Form and the Environment*
- 2014 Second International UGEC (Urbanization and Global Environmental Change) conference, Presentation Title: *A Global Typology of Urban Energy Use and Implications for Climate Change Mitigations*
- 2013 Linking Local Consumption to Global Impacts, SESYNC (National Socio-Environmental Synthesis Center), Annapolis, Presentation Title: *Insights from Urban Economics for Linking Local Consumption to Global Impacts*
- 2013 Climate change and its implications on ecosystem services and society. Italian Society for Climate Sciences - SISC. Lecce, Italy. Presentation Title: *Albedo Modifications as Global Mitigation and Local Adaptation Strategy in European Cities: A Geographically Explicit Investigation*, presented by Tiziana Susca
- 2013 Reconceiving Forest Governance: The Example of the German Forest, Mercator Research Institute on Global Commons and Climate Change, Presentation Title: *Forest and Modernity - an Anthropological View*
- 2013 Princeton Institute for International and Regional Studies, Commentator of *Climate Change Response Policies: Dealing with Risk and Uncertainty* by Howard Kunreuther and Elke Weber
- 2013 Princeton Institute for International and Regional Studies, Commentator of *Climate Change Uncertainty in Development Projects* by Stephane Hallegatte
- 2013 Impact World, Potsdam, Presentation Title: *Typology of Uncertainty in the Communication of Climate Change*
- 2013 Micro-Energy Systems, Technical University Berlin, Presentation Title: *Bioenergy and Livelihoods*
- 2013 The Radical Emission Reduction Conference, Tyndall Center, Poster Title: *The Behavioral Economics of Mobility*, presented by Linus Mattauch
- 2012 Applied Urban Modelling, CRASSH, University of Cambridge, Presentation Title: *Low-Carbon Transport Scenarios for European Cities*
- 2012 Better Air Quality, Hong Kong, Poster title: *A Congestion Charge for Beijing?*, presented by Maximilian Thess
- 2012 Planet under Pressure, London, Presentation Title: *Reconciling top-down and bottom-up modeling on future bioenergy deployment, and implications for a risk-based paradigm shift in climate change policy*
- 2012 Planet under Pressure, London, Presentation Title: *Low-carbon transport scenarios for European cities*
- 2011 SUME (Sustainable Urban Metabolism for Europe), Vienna, Presentation Title: *Sustainable Transport Scenarios for Europe*
- 2011 Working Group Transport of the DGfG (German Geographical Society), Presentation Title: *Evaluating E-Mobility as a Climate Mitigation Strategy for Europe*
- 2011 Strategies for Sustainable Mobilities, mobil.TUM, Technical University Munich, Presentation Title: *Operationalizing Sustainable Transport for Scenario Analysis*
- 2010 The Futures of the City: Towards Sustainable Urban Environment and Mobility, COST (European Cooperation in Science and Technology) Presentation Title: *Co-Benefits and Path Dependence in Sustainable Urban Transport*

- 2010 Transport Research Board, Washington, D.C., Poster title: *Hot Deal or Hot Air - Life-cycle Analysis of Pneumatic Cars*
- 2009 International Council for Science, Paris, Presentation Title: *Key Tenets of Sustainable Land Use Economics*
- 2009 Opening the Gates: A Critical Appraisal of China's Urban Development Practices, UC Berkeley, Presentation Title: *Motorization in Beijing*
- 2008 3rd Regional EST Forum, Singapore, Presentation Title: *External costs and congestion charging: a Beijing case study*
- 2007 7th Meeting of the German Neuroscience Society, 2007, Poster Title: *Time-Warp Invariant Pattern Recognition: How do Grasshoppers Solve the Problem?*
- 2006 NIPS 2006, Vancouver, Presentation Title: *Projecting the Past into the Future: the State Space of Dynamical Systems as an Information Bottleneck*
- 2006 **Featured talk**, CNS, Edinburgh, Presentation Title: *Time-Warp Invariant Stimulus Decoding in an Insect Auditory System?*
- 2006 Berlin Neuroscience Forum, Poster Title: *From Burst Encoding to Time-Warp Invariance*
- 2005 6th Meeting of the German Neuroscience Society, Göttingen 2005, Poster Title: *Burst Encoding in the Metathoracic Ganglion of Grasshoppers*