

Prof. Dr. Matthias Gross

Curriculum Vitae (04/2021)

CONTACT INFORMATION

Department of Urban & Environmental Sociology Helmholtz Centre for Environmental Research – UFZ Permoserstr. 15, Room 312 (Secretary) 04318 Leipzig, Germany **49 (0) 341-235 1746 E-mail: matthias.gross@ufz.de URL: www.ufz.de/index.php?en=5479	Institute of Sociology (Joint appointment) University of Jena Bachstraße 18 k, Room E014 07743 Jena, Germany E-Mail (secretariat): sek.gross@uni-jena.de URL: www.soziologie.uni-jena.de/en/ Departments/Environmental+Sociology
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DATE OF BIRTH: March 29, 1969; married with three children (13, 16 and 18 years)

DEGREES

Habilitation, Sociology, Martin Luther University of Halle, Germany, November 2008.

Dr. rer. soc. (~ Ph.D.), Sociology, Bielefeld University, June 2001.

Diplom (~ M.A.), Sociology, Bielefeld University, January 1998.

ACADEMIC POSITIONS

Since Fall 2013: Full professor of Environmental Sociology at the University of Jena, joint appointment with Helmholtz Centre for Environmental Research – UFZ, Leipzig, Germany; since January 2014 Head of UFZ's Dpt. of Urban and Environmental Sociology.

April 2005 – September 2013: Senior Research Scientist (granted tenure in 2009) at Helmholtz Centre for Environmental Research – UFZ, Germany; Since 2008 Deputy Head of UFZ's Department of Urban and Environmental Sociology.

April to September 2012: Professor (interim) of Economic and Environmental Sociology at Martin Luther University of Halle.

April 2002 – March 2005: Co-Director of Junior Research Group “Real World Experiments” at Bielefeld University, funded by the *Volkswagen Foundation*.

August 2003 – December 2003 (fall term): Visiting Assistant Professor (research & teaching), Department of Sociology, Loyola University Chicago, USA.

July 2001 – March 2002: Post-doctoral Fellow (German Research Foundation – DFG), Institute for Science and Technology Studies (IWT), Universität Bielefeld.

February 2000 – July 2000: DAAD-Doctoral Fellow at the Department of Rural Sociology, University of Wisconsin, Madison, USA.

January 1998 – June 2001: Doctoral Student (from April 1999 as fellow of the German Research Foundation – DFG), Institute for Science and Technology Studies, Universität Bielefeld.

CURRENT AREAS OF RESEARCH AND SPECIALIZATION (in alphabetical order)

Cultural Sociology; Ecological Design; Historical Sociology, Ignorance, Knowledge, & Risk; Mobility & Culture; Nature-Culture Relations; Real World Experiments; Renewable Energy Systems; Senses & Society; Social Theory; Technology in Society; Theories of Transformation.

PUBLICATIONS

BOOKS (MONOGRAPHS AND EDITED VOLUMES)

Gross, Matthias & Linsey McGoey, eds. (2015; paperback 2017; updated/fundamentally revised edition forthcoming in 2021): *Routledge International Handbook of Ignorance Studies*. London: Routledge (including a co-authored introduction). First edition discussed e.g. in *The New York Times*, *The Washington Post* and several other popular as well as academic outlets.

Davidson, Debra & Matthias Gross, eds. (2018): *Oxford Handbook of Energy and Society*. Oxford: Oxford University Press (including a co-authored introduction, conclusion and section intros). Reviewed e.g. in *Choice* and *Contemporary Sociology*.

Telešienė, Audronė & Matthias Gross, eds. (2017): *Green European: Environmental Behaviour and Attitudes in Europe in a Historical and Cross-Cultural Comparative Perspective*. London: Routledge (including a co-authored introduction).

Bösch, Stefan; Matthias Groß & Wolfgang Krohn, eds. (2017): *Experimentelle Gesellschaft: Das Experiment als wissenschaftliches Dispositiv*. Baden-Baden: Nomos Verlag/Edition Sigma (including co-authored introduction). Reviewed e.g. in *Technikfolgenabschätzung: Theorie & Praxis (TATuP)* and several online blogs et al.

Gross, Matthias & Rüdiger Mautz (2015): *Renewable Energies*. London: Routledge (Key Ideas Series). Reviewed e.g. in *TATuP*. Translated into Persian.

Groß, Matthias (2014): *Experimentelles Nichtwissen: Umweltinnovationen und die Grenzen sozial-ökologischer Resilienz*. Bielefeld: Transcript (Science Studies Series).

Groß, Matthias, ed. (2011): *Handbuch Umweltsoziologie*. Wiesbaden: VS Verlag (including an introductory chapter and two co-authored articles). Reviewed in *Kölner Zeitschrift für Soziologie und Sozialpsychologie*.

Gross, Matthias (2010): *Ignorance and Surprise: Science, Society, and Ecological Design*. Cambridge, MA: MIT Press (Inside Technology Series). Reviewed e.g. in *Choice*, *Building Research & Information*, *International Social Science Review*, *Metascience*, *Science as Culture*, *Sawari*, & *Tecnoscienza: Italian Journal of Science & Technology Studies*.

Gross, Matthias and Harald Heinrichs, eds. (2010): *Environmental Sociology: European Perspectives and Interdisciplinary Challenges*. Dordrecht: Springer (including a co-authored introduction, coda chapter, and co-authored research article). Reviewed in *TATuP*.

Groß, Matthias (2006): *Natur*. Bielefeld: Transcript [Introductory textbook in the *Reihe Einsichten: Themen der Soziologie*]. Reviewed e.g. in *Berliner Debatte Initial*, *Internationales Jahrbuch für Philosophische Anthropologie*, & *Soziologische Revue*.

Groß, Matthias, Holger Hoffmann-Riem, and Wolfgang Krohn (2005): *Realexperimente: Ökologische Gestaltungsprozesse in der Wissensgesellschaft*. Bielefeld: Transcript. Reviewed e.g. in *Politische Ökologie*, *Forum Qualitative Sozialforschung*, & *International Sociology*.

Gross, Matthias (2003): *Inventing Nature: Ecological Restoration by Public Experiments*. Lanham, MD: Rowman & Littlefield/Lexington Books. Reviewed e.g. in *Contemporary Sociology*, *Ecological Restoration*, *Environmental Ethics*, & *Sociologia*.

Groß, Matthias (2001): *Die Natur der Gesellschaft: Eine Geschichte der Umweltsoziologie*. Weinheim: Juventa Verlag.

EDITORSHIPS (SELECTION)

2005 – Indefinite: Editor of *Nature + Culture* (Publisher: Berghahn, NY). Listed e.g. in Scopus and Social Sciences Citation Index (SSCI). Online at:

www.berghahnjournals.com/view/journals/nature-and-culture/nature-and-culture-overview.xml.

2017 – Indefinite: Coordinating Editor of *Restoration Ecology* (Publisher: Wiley, NY). Listed in Scopus and Sciences Citation Index (SCI).

2014 – Indefinite: Founding Book Series Editor in *Environmental Sociology* (“Umweltsoziologie”) with Nomos Verlag, Baden-Baden, Germany.

2016 – Indefinite: Founding Book Series Editor in *Ignorance Studies*. London: Routledge.

2014: *Transdisciplinary Environmental Science*. Special issue of *Interdisciplinary Science Reviews*, Vol. 35 (4). Editor together with Michael Stauffacher (including a co-authored introduction).

2021 (Forthcoming): Institutionalized Ignorance in Policy & Regulation. Special Issue in *Science as Culture*, Editor together with Samantha Vanderslott and Katharina Paul

JOURNAL ARTICLES AND ESSAYS (* Web of Science-Listed Article)

Gross, Matthias (2021): “The Largest Possible Experiment: The Corona Pandemic as Nonknowledge Transfer.” *The European Sociologist* 46 (2), forthcoming.

Henkel, Anna; Thomas Barth, Jens Köhrsen, Björn Wendt, Cristina Besio, Katharina Block, Stefan Böschen, Sascha Dickel, Benjamin Görden, Matthias Groß, Simone Rödder & Thomas Pfister (2021): “Intransparente Beliebigkeit oder produktive Vielfalt? Konturen einer Soziologie der Nachhaltigkeit.” *Leviathan* 49, forthcoming.

*Gross, Matthias (2020): “Speed Tourism: The German Autobahn as a Tourist Destination and Location of ‘Unruly Rules’.” *Tourist Studies* 20 (3): 298-313.

*Gross, Matthias & Marco Sonnberger (2020): “How the Diesel Engine became a ‘Dirty’ Actant: Compression Ignitions and Actor Networks of Blame.” *Energy Research & Social Science* 61: Article 101359.

Gross, Matthias (2019): “Not Knowing as Luxury: Strategic Nonknowledge and the Demand for a ‘Sportbrake’.” *Luxury: History, Culture, Consumption* 6 (1): 63-81.

*Gross, Matthias (2019): “The Paradox of the Unexpected: Normal Surprises and Living with Nonknowledge.” *Environment: Science and Policy for Sustainable Development* 61 (3): 20-25.

*David, Martin & Matthias Gross (2019): “Futurizing Politics and the Sustainability of Real-world Experiments: What Role for Innovation and Exnovation in the German Energy Transition?” *Sustainability Science* 14 (4): 991-1000.

*Gross, Matthias & Nona Schulte-Römer (2019): “Remaking Participatory Democracy through Experimental Design” (Review Essay). *Science, Technology & Human Values* 44 (4): 707-718.

*Sonnberger, Marco & Matthias Gross (2018): “Rebound Effects in Practice: An Invitation to Consider Rebound From a Practice Theory Perspective.” *Ecological Economics* 154: 14-21.

*Meller, Carola; Eva Schill, Judith Bremer, Olaf Kolditz, Alena Bleicher, Christina Benighaus, Philippe Chavot, Anna Pellizzone, Ortwin Renn, Matthias Gross, Frank Schilling & Thomas Kohl (2018): "Acceptability of Geothermal Installations: A Geoethical Concept for GeoLaB." *Geothermics* 73 (March): 133-145.

*Gross, Matthias & Manuel Tironi (2017): "Experimentando con la tierra: Geotermia, no-conocimiento y transiciones energéticas como experimentos a la intemperie." *Revista Internacional de Sociología* 75 (4): e079.

*Gross, Matthias (2016): "Risk as Zombie Category: Ulrich Beck's Unfinished Project of the Non-knowledge Society." *Security Dialogue* 47 (5): 386-402. Top 25% of all research outputs scored by *Altmetric*.

*Bleicher, Alena & Matthias Gross (2016): "Geothermal Heat Pumps and the Vagaries of Subterranean Geology: Energy Independence at a Household Level as a Real World Experiment." *Renewable & Sustainable Energy Reviews* 64: 279-288.

*Gross, Matthias (2016): "Give me an Experiment and I will raise a Laboratory." *Science, Technology & Human Values* 41 (4): 613-634. Top 25% of all research outputs scored by *Altmetric*.

*Gross, Matthias (2016): "On the Invisibility of Epochal Breaks and the Virtues of Useless Science" (Review Essay). *Public Understanding of Science* 25 (1): 126-128.

Gross, Matthias (2015): "Experiments beyond the Laboratory." *Chemistry World* 12 (11): 39. Online at: www.chemistryworld.com/opinion/experiments-beyond-the-laboratory/9078.article

*Bleicher, Alena & Matthias Gross (2015): "User Motivation, Energy Prosumers and Regional Diversity: Sociological Notes on using Shallow Geothermal Energy." *Geothermal Energy* 3 (1): 1-12, [art 12].

*Gross, Matthias (2015): "Self-Knowledge, Gender Roles, and the Making of the Secret Gospels: A Chapter in the Sociology of Nonknowledge." *Journal of Historical Sociology* 28 (2): 195-212.

*Gross, Matthias (2015): "Journeying to the Heat of the Earth: From Jules Verne to Present-Day Geothermal Adventures." *Engineering Studies* 7 (1): 28-46. Selected as Editor's Choice article commemorating the 10th anniversary of *Engineering Studies* in 2018.

Gross, Matthias (2015): "Natural Waste: Canine Companions and the Lure of Inattentively Pooping in Public." *Environmental Sociology* 1 (1): 38-47.

Newspaper articles on this essay e.g. in *La Stampa* (Italy, April 10, 2015), *The Times* (UK, April 18, 2015), *Kölner Stadt-Anzeiger* (Germany, April 27, 2015), *Le Monde* (France, April 28, 2015), *Sciences et Avenir* (France, May 10, 2015) as well as opinion pieces in *The Washington Post* (US, April 9, 2015 and again on April 27, 2016) and several others. Article is in the top 5% of all research outputs scored by *Altmetric*.

Extracts reprinted in *Harper's Magazine* (August 2015, p. 19) under the title "Doctoral Feces" as well as excerpts in several other print and online magazines.

*Gross, Matthias and Michael Stauffacher (2014): "Transdisciplinary Environmental Science: Problem-oriented Projects and Strategic Research Programs." *Interdisciplinary Science Reviews* 35 (4): 299-306.

*Gross, Matthias (2013): "Old Science Fiction, New Inspiration: Communicating Unknowns in the Utilization of Geothermal Energy." *Science Communication* 35 (6): 810-818.

*Gross, Matthias & Alena Bleicher (2013): "'It's Always Dark in Front of the Pickaxe': Organizing Ignorance in the Long Term Remediation of Contaminated Land." *Time & Society* 22 (3): 316-334.

*Schädler, Sebastian, Michael Finkel, Alena Bleicher, Maximilian Morio, & Matthias Gross (2013): "Spatially Explicit Computation of Sustainability Indicator Values for the Automated Assessment of Land-Use Options." *Landscape & Urban Planning* 111: 34-45.

*Gross, Matthias (2012): "'Objective Culture' and the Development of Nonknowledge: Georg Simmel and the Reverse Side of Knowing." *Cultural Sociology* 6 (4): 422-437.

Winner of the 2013 Sage Prize for Innovation and Excellence of the *British Sociological Association* (BSA). Top 25% of all research outputs scored by *Altmetric*.

*Gross, Matthias (2012): "Rough Roads to Sustainability" (Review Essay). *Science as Culture* 21 (3): 421-428.

*Gross, Matthias (2011): "Democratizing Scientific Uncertainty" (Review Essay). *Public Understanding of Science* 20 (6): 863-864.

Gross, Matthias (2011): "Welcome Frustrations with the Climate: Comment on Redclift." *International Review of Social Research* 1 (3): 183-187.

*Gross, Matthias (2010): "Ignorance, Research and Decisions about Abandoned Opencast Coal Mines." *Science & Public Policy* 37 (2): 125-134.

Gross, Matthias (2010): "The Public Proceduralization of Contingency: Bruno Latour and the Formation of Collective Experiments." *Social Epistemology* 24 (1): 63-74.

*Bleicher, Alena & Matthias Gross (2010): "Sustainability Assessment and the Revitalization of Contaminated Sites: Operationalizing Sustainable Development for Local Problems." *The International Journal of Sustainable Development & World Ecology* 17 (1): 57-66.

Bleicher, Alena; Martin Bittens & Matthias Groß (2009): "'Keiner weiß genau was da unten ist': Vom erfolgreichen Umgang mit Nichtwissen in Sanierungsprojekten." *Altlasten Spektrum* 18 (3): 136-141.

*Gross, Matthias (2009): "Collaborative Experiments: Jane Addams, Hull-House, and Experimental Social Work." *Social Science Information* 48 (1): 81-95.

2010. Included in: Student Study Material for *The Handbook of Social Work Research Methods* (2nd edition, Sage) edited by Bruce Thyer, Chapter 27 on "Historical Research."

*Elders, Horst-Dietrich, Matthias Gross, & Harald Heinrichs (2008): "The Diversity of Environmental Justice: Towards a European Approach." *European Societies* 10 (5): 835-856.

*Gross, Matthias (2008): "Population Decline and the New Nature: Towards Experimental 'Refactoring' in Landscape Development of Post-industrial Regions." *Futures* 40 (5): 451-459.

*Groß, Matthias (2008): "Georg Simmel und die 'laute Pracht des wissenschaftlich-technischen Zeitalters'." *Historical Social Research - Historische Sozialforschung* 33 (2): 315-330.

- *Gross, Matthias (2008): "Return of the Wolf: Ecological Restoration and the Deliberate Inclusion of the Unexpected." *Environmental Politics* 17 (1): 115-120.
- *Gross, Matthias (2007): "Restoration and the Origins of Ecology." *Restoration Ecology* 15 (3): 375-376.
- *Gross, Matthias (2007) "The Unknown in Process: Dynamic Connections of Ignorance, Non-Knowledge and Related Concepts." *Current Sociology* 55 (5): 742-759.
- *(2008): Russian Translation in *Sotsiologicheskie Issledovaniya* 3: 13-22 as "НЕИЗВЕСТНОЕ. ДИНАМИКА СВЯЗЕЙ НЕВЕДЕНИЯ, НЕЗНАНИЯ И СХОДНЫХ ПОНЯТИЙ."
- *Gross, Matthias (2007): "Communicating Ignorance and the Development of Post-Mining Landscapes." *Science Communication* 29 (2): 264-270.
- *Weinstein, Michael; Ronald Baird, David Conover, Matthias Gross, Jozef Keulartz, David Loomis, Zev Naveh, Susan Peterson, Denise Reed, Emery Roe, Lawrence Swanson, Jac Swart, John Teal, Eugene Turner & Henny van der Windt (2007): "Managing Coastal Resources in the 21st Century." *Frontiers in Ecology and the Environment* 5 (1): 43-48.
- Gross, Matthias (2007): "Wenn das Nichtwissen rekursiv überrascht, wird die Welt zum Experiment. Oder: Aus Schaden wird man klug." *Erwägen, Wissen, Ethik (EWE)* 18 (3): 373-375.
- Gross, Matthias (2006): "Beyond Expertise: Ecological Science and the Making of Socially Robust Restoration Strategies." *Journal for Nature Conservation* 14 (3/4): 172-179.
- *Gross, Matthias & Holger Hoffmann-Riem (2005): "Ecological Restoration as a Real-World Experiment: Designing Robust Implementation Strategies in an Urban Environment." *Public Understanding of Science* 14 (3): 269-284.
- *Gross, Matthias & Wolfgang Krohn (2005): "Society as Experiment: Sociological Foundations for a Self-experimental Society." *History of the Human Sciences* 18 (2): 63-86.
- Gross, Matthias (2005): "Technology Development as Innovative Crisis: Georg Simmel's Reflections on Modern Science and Technology." *Perspectives on Global Development and Technology* 4 (1): 45-61.
- *Gross, Matthias & Wolfgang Krohn (2004): "Science in a Real World Context: Constructing Knowledge through Recursive Learning." *Philosophy Today* 48 (5): 38-50.
- *Gross, Matthias (2004): "Human Geography and Ecological Sociology: The Unfolding of a Human Ecology, 1890 to 1930 – and Beyond." *Social Science History* 28 (4): 575-605.
- Gross, Matthias (2004): "A Unique American Sociology or an Americanized European Sociology? Some Thoughts on Georg Simmel's Influence on Edward A. Ross." *Simmel Studies* 14 (2): 195-222.
- Gross, Matthias (2003): "Sociologists of the Unexpected: Edward A. Ross and Georg Simmel on the Unintended Consequences of Modernity." *The American Sociologist* 34 (4): 40-58.
- *Groß, Matthias; Holger Hoffmann-Riem & Wolfgang Krohn (2003): "Realexperimente: Robustheit und Dynamik ökologischer Gestaltungen in der Wissensgesellschaft." *Soziale Welt* 54 (3): 241-258.

*Gross, Matthias (2003): "Caught Between the Nature/Society Divide: Environmental History at a Crossroads." *History and Philosophy of the Life Sciences* 25 (1): 93-107.

Gross, Matthias (2002): "New Natures and Old Science: Hands-on Practice and Academic Research in Ecological Restoration." *Science Studies* 15 (2): 17-35.

*Gross, Matthias (2002): "When Ecology and Sociology Meet: The Contributions of Edward A. Ross." *Journal of the History of the Behavioral Sciences* 38 (1): 27-42.

Brown, Mark B. & Matthias Groß (2002): "Eine neue Gesellschaft? Von Kollektiven, Assoziationen und der Repräsentation des Nicht-Menschlichen" (Review Essay). *Soziologische Revue* 25 (4): 380-394.

Gross, Matthias (2001): "Unexpected Interactions: Georg Simmel and the Observation of Nature." *Journal of Classical Sociology* 1 (3): 395-414.

(2013): Reprinted in: Smart, Barry; Peggs, Kay, and Joseph Burridge, eds. *Observation Methods, Vol. 1; SAGE Benchmarks in Social Research Methods* (pp. 195-212). London: Sage.

Gross, Matthias (2001): "Urban Nature, Modern Society and the Marginal Man: Robert E. Park and Georg Simmel in Discussion." *Simmel Studies* 11 (2): 235-253.

Gross, Matthias (2001): "From Prairie to Planet: Global Processes and Ecological Restoration." *The Journal of International and Area Studies* 8 (1): 57-71.

Gross, Matthias (2000): "Classical Sociology and the Restoration of Nature: The Relevance of Émile Durkheim and Georg Simmel." *Organization & Environment* 13 (3): 277-291.

(2005): Reprinted in: Inglis, David; Bone, John, and Rhoda Wilkie, eds. *Nature – Critical Concepts in the Social Sciences, Vol. 4: Reconfiguring the Social/Natural Interface* (pp. 236-253). London: Routledge.

Gross, Matthias (1999): "Early Environmental Sociology: American Classics and their Reflections on Nature." *Humboldt Journal of Social Relations* 25 (1): 1-29.

SELECTION OF REVIEWED BOOK CHAPTERS AND OTHER PUBLICATIONS

Groß, Matthias (2021): "Das neue ökologische Paradigma der Umweltsoziologie und der Posthumanismus-Diskurs." In: Cress, Torsten; Oliwia Murawska & Annika Schlitte (eds.), *Posthuman? Neue Perspektiven auf Natur/Kultur*. München: Fink Verlag.

Gross, Matthias (2021): "Natural Experiments," in Ritzer, George and Chris Rojek (eds.), *The Blackwell Encyclopedia of Sociology*, 2nd Edition. Hoboken, NJ: John Wiley & Sons. DOI: 10.1002/9781405165518.wbeos1744

Gross, Matthias (2021): "Technological Fixes, Nonknowledge Transfer, and the Risk of Ignorance." In: Pellizzoni, Luigi; Emanuele Leonardi, and Viviana Asara (eds.), *The Elgar Handbook of Critical Environmental Politics*. Cheltenham, UK: Elgar Publ.

Groß, Matthias (2021): "Realexperimente, ökologische Grenzen und die Unbestimmtheit des Resilienzkonzepts." In: Becker, Karina und Stefanie Graefe (eds.), *Mit Resilienz aus der Wachstumskrise?* München: Oekom.

Henkel, Anna; Björn Wendt, Thomas Barth, Cristina Besio, Katharina Block, Stefan Bösch, Sascha Dickel, Benjamin Görden, Matthias Groß, Jens Köhrsen, Thomas Pfister & Matthias

- Schloßberger (2021): "Zur Einleitung: Kernaspekte einer Soziologie der Nachhaltigkeit." In: SONA-Netzwerk Soziologie der Nachhaltigkeit (ed.), *Soziologie der Nachhaltigkeit* (pp. 9-31). Bielefeld: Transcript.
- Bleicher, Alena & Matthias Groß (2021): "Nachhaltigkeit und Altlastensanierung." In: SONA-Netzwerk Soziologie der Nachhaltigkeit (ed.), *Soziologie der Nachhaltigkeit* (pp. 367-379). Bielefeld: Transcript.
- Groß, Matthias & Maria Pfeiffer (2020): "Die Überraschung des Gärtnerns: Freude und Enttäuschung durch die Tugend des Nichtwissens." In: Stiftung Preußische Schlösser und Gärten Berlin-Brandenburg (ed.), *Historische Gärten und Gesellschaft* (pp. 257-259). Regensburg: Schnell & Steiner.
- Gross, Matthias (2020): "Ignorance; Knowing; Nonknowledge; Knowledge." In: Laura Salisbury, Steve Hinchliffe, Lara Choksey, Mike Michael, & Gill Partington (eds.), *The Index of Evidence* (p. 834), University of Exeter, UK. Online at: www.indexofevidence.org/ignorance.
- Gross, Matthias (2020): "Ecology," in Ritzer, George & Chris Rojek (eds.), *The Blackwell Encyclopedia of Sociology*, 2nd Edition. Hoboken, NJ: John Wiley & Sons. DOI: 10.1002/9781405165518.wbeose007.pub2
- Groß, Matthias (2019): "An der langen aber straffen Leine halten: Ambivalenz der Kontrolle und Nichtwissen in Realexperimenten," in Klaus Fischer & Heinrich Parthey (eds.), *Ambivalenz der Wissenschaft: Jahrbuch Wissenschaftsforschung 2017* (pp. 39-56). Berlin: Wissenschaftlicher Verlag Berlin.
- Gross, Matthias (2019): "Real World Experiments as Generators of Socio-technical Change." In: Büscher, Christian; Jens Schippl, & Patrick Sumpf (eds.), *Energy as a Socio-technical Problem: An Interdisciplinary Perspective on Control, Change, and Action in Energy Transitions* (pp. 125-138). London: Routledge.
- Horta, Ana & Matthias Gross (2018): "On Cooling the Relevance Out," in Strassheim, Jan & Hisashi Nasu (eds.). *Relevance and Irrelevance: Theories, Factors and Challenges* (pp. 187-205). Berlin: De Gruyter.
- Gross, Matthias (2018): "Afterword: Irony and Contrarian Imaginations," in Boström, Magnus & Debra Davidson (eds.), *Environment and Society: Concepts and Challenges* (pp. 375-384). Basingstoke, UK: Palgrave Macmillan.
- Horta, Ana & Matthias Gross (2018): "Digital Technologies in the Transition to a Sustainable Energy System: Knowledge-related Challenges from Everyday Life," in Delicado, Ana; Nuno Domingos, & Luís de Sousa (eds.), *Changing Societies: Legacies and Challenges, Vol. III: The Diverse Worlds of Sustainability* (pp. 277-296). Lisbon: Imprensa de Ciências Sociais.
- Gross, Matthias (2018): "Ecological Restoration," in Noel Castree, Mike Hulme, & James Proctor (eds.). *Companion to Environmental Studies* (pp. 595-599). London: Routledge.
- Gross, Matthias (2018): "Energetische Soziologie," in Lars Holstenkamp & Jörg Radtke (eds.), *Handbuch Energiewende & Partizipation* (pp. 179-195). Wiesbaden: Springer VS.
- Groß, Matthias (2017): "Experimentelle Methode und experimentelle Gesellschaft," in Vivien Petras, Walther Umstätter, & Karl-Friedrich Wessel (eds.). *Theorien und Konzepte des*

wissenschaftlichen Erkennens: Festschrift zum 80. Geburtstag von Heinrich Parthey (pp. 141-146). Berlin: Wissenschaftlicher Verlag Berlin.

Gross, Matthias (2017): "Shaping New Horizons: Proactionary Attitudes, Precautionary Principles, and the Experimentalities of Science in Society," in Gert Verschraegen, Frederic Vandermoere, Luc Braeckmans, & Barbara Segaeert (eds.), *Imagined Futures in Science, Technology, and Society* (pp. 201-216). London: Routledge.

Groß, Matthias (2017): "Experimentelle Kultur und die Governance des Nichtwissens," in Julia-Lena Reineremann & Friederike Behr (eds.), *Die Experimentalstadt: Kreativität und die kulturelle Dimension der Nachhaltigen Entwicklung* (pp. 21-40). Wiesbaden: Springer VS.

Gross, Matthias & Ana Horta (2017): "Dog Shit Happens: Human-Canine Interactions and the Immediacy of Excremental Presence," in Brewster, Bradley H. & Antony J. Puddephatt (eds.), *Microsociological Perspectives for Environmental Sociology* (pp. 143-160). London: Routledge.

Gross, Matthias (2016): "Risk and Ignorance," in Adam Burgess, Alberto Alemanno, & Jens Zinn (eds.), *Routledge Handbook of Risk Studies* (pp. 310-317). London: Routledge.

Gross, Matthias (2016): "Layered Industrial Sites: Experimental Landscapes and the Virtues of Ignorance," in Marion Hourdequin & David G. Havlick (eds.), *Restoring Layered Landscapes: History, Ecology, and Culture* (pp. 73-91). Oxford: Oxford University Press.

Groß, Matthias (2015): "Reisen zur Hitze der Erde: Auf dem Weg zur einer Nichtwissenssoziologie des geothermischen Untergrunds," in Wehling, Peter (ed.), *Vom Nutzen des Nichtwissens: Sozial- und kulturwissenschaftliche Perspektiven* (pp. 121-141). Bielefeld: Transcript.

Gross, Matthias (2014): "The Social-ecological Co-constitution of Nature through Ecological Restoration: Experimentally Coping with Inevitable Ignorance and Surprise," in Lockie, Stewart; David Sonnenfeld & Dana Fisher (eds.), *Routledge International Handbook of Social and Environmental Change* (pp. 269-279). London: Routledge.

Groß, Matthias (2014): "Wasch' mich, aber mach' mich nicht nass!," *Dena Magazin* 02/2014: 26.

Groß, Matthias. 2013. "Keine Angst vor dem Unberechenbaren: Realexperimente jenseits von Anpassung und Resilienz," in von Detten, Roderich; Fenn Faber & Martin Bemann (eds.), *Unberechenbare Umwelt: Zum Umgang mit Unsicherheit und Nicht-Wissen* (pp. 193-217). Wiesbaden: Springer VS.

Bleicher, Alena & Matthias Gross (2012): "Confronting Ignorance: Coping with the Unknown and Surprising Events in the Remediation of Contaminated Sites," in Kabisch, Sigrun; Anna Kunath, Petra Schweizer-Ries, & Annett Steinführer (eds.), *Vulnerability, Risks, and Complexity: Impacts of Global Change on Human Habitats* (pp. 193-204). Göttingen: Hogrefe.

Groß, Matthias & Alena Bleicher (2012): "Jenseits der Zurechnung auf Entscheidungen: Nichtwissenskommunikation am Beispiel Altlastensanierung," in Janich, Nina; Nordmann, Alfred & Liselotte Schebek (eds.), *Nichtwissenskommunikation in den Wissenschaften* (pp. 209-234). Frankfurt am Main: Peter Lang.

Bleicher, Alena & Matthias Gross (2011): "Response and Recovery in the Remediation of Contaminated Land in Eastern Germany," in Rachel A. Dowty & Barbara L. Allen (eds.), *Dynamics of Disaster: Lessons on Risk, Response and Recovery* (pp. 187-202). London: Earthscan.

Gross, Matthias (2011): "Center for International Disaster Information," in Penuel, K. Bradley & Matt Statler (eds.), *Encyclopedia of Disaster Relief* (pp. 53-54). London: Sage.

Gross, Matthias (2010): "Social and Ecological Control: Ross's Early Contribution," in Chriss, James (ed.), *Social Control: Informal, Legal and Medical* (pp. 91-107). Bingley, UK: Emerald Publishers (Volume 15 of the *Sociology of Crime, Law and Deviance Series*).

Gross, Matthias (2010): "'All Life is Experimentation': The Chicago School and the Experimenting Society," in Hart, Christopher (ed.), *The Legacy of the Chicago School: A Collection of Essays in Honour of the Chicago School of Sociology During the First Half of the 20th Century* (pp. 174-184). Cheshire, UK: Midrash Publishing.

Behrens, Vivien & Matthias Gross (2010): "Customisation of Transdisciplinary Collaboration in the Integrated Management of Contaminated Sites," in John N. Parker, Niki Vermeulen & Bart Penders (eds.), *Collaboration in the New Life Sciences* (pp. 139-160). Farnham, UK: Ashgate.

Overdeest, Christine; Bleicher, Alena, & Matthias Gross (2010): "The Experimental Turn in Environmental Sociology: Pragmatism and New Forms of Governance," in Gross, Matthias & Harald Heinrichs (eds.), *Environmental Sociology: European Perspectives and Interdisciplinary Challenges* (pp. 279-294). Heidelberg: Springer.

Groß, Matthias (2010): "Umweltsoziologie," in Georg Kneer & Markus Schroer (eds.), *Handbuch Spezielle Soziologien* (pp. 645-661). Wiesbaden: VS Verlag.

Westphal, Lynne M.; Gobster, Paul H., & Matthias Gross (2010): "Models for Renaturing Brownfield Areas," in Hall, Marcus (ed.), *Restoration and History: The Search for a Usable Environmental Past* (pp. 208-217). London: Routledge.

Gross, Matthias (2009): "New Introduction to the Transaction Edition" of Edward A. Ross, *Social Control: A Survey of the Foundations of Order* (pp. ix-xxi). New Brunswick, NJ: Transaction Publishers. This edition reviewed in *Contemporary Sociology*, Vol. 39, No. 5, 2010.

2011. Reprinted in: Treviño, A. Javier, ed. *Classic Writings in Law and Society* (Revised and Expanded Edition) under the title "On Edward A. Ross, *Social Control: A Survey of the Foundations of Order*" (pp. 77-84). New Brunswick, NJ: Transaction Publishers.

Groß, Matthias (2009): "Die Wissensgesellschaft und das Geheimnis um das Nichtwissen," in Rol, Cécile & Christian Papilloud (eds.), *Soziologie als Möglichkeit: 100 Jahre Georg Simmels Untersuchungen über die Formen der Vergesellschaftung* (pp. 105-114). Wiesbaden: VS Verlag.

Gross, Matthias (2009): "Further Towards a Continuum between Nativism and Cosmopolitanism," in Drenthen, Martin; Jozef Keulartz, & James Proctor (eds.), *New Visions of Nature: Complexity and Authenticity* (pp. 257-263). Berlin: Springer.

Gross, Matthias (2008): "Simmel, Georg 1858-1918," in Carr, Deborah (ed.), *Encyclopedia of the Life Course and Human Development, Vol. 2* (pp. 410-411). Farmington Hills, MI: Macmillan.

Gross, Matthias & Ross E. Mitchell (2007): "The Spaces of Individualization and Capitalism: Space and Nature Reflections in Simmel and Veblen," in Mitchell, Ross E. (ed.), *Thorstein Veblen's Contribution to Environmental Sociology: Essays in the Political Ecology of Wasteful Industrialism* (pp. 225-255). Lewiston, NY: Mellen Press.

Groß, Matthias (2006): "Kollektive Experimente im gesellschaftlichen Labor: Bruno Latours tastende Neuordnung des Sozialen," in Voss, Martin & Birgit Peuker (eds.), *Verschwindet die*

Natur? Die Akteur-Netzwerk-Theorie in der umweltsoziologischen Diskussion (pp. 165-181). Bielefeld: Transcript.

Gross, Matthias (2006): "Community by Experiment: Recursive Practice in Landscape Design and Ecological Restoration," in McCright, Aaron M. & Terry N. Clark (eds.), *Community and Ecology: Dynamics of Place, Sustainability, and Politics* – Vol. 10 of the *Research in Urban Policy Series* (pp. 43-62). Oxford: Elsevier.

Hoffmann-Riem, Holger & Matthias Groß (2006): "Interdisziplinarität als Realexperiment: Rekursives Lernen in der Umweltforschung," in Glaeser, Bernhard (ed.), *Fachübergreifende Nachhaltigkeitsforschung* (pp. 81-108). München: Ökom.

Gross, Matthias (2006): "Nature," in Harrington, Austin; Barbara L. Marshall, & Hans-Peter Müller (eds.), *Encyclopedia of Social Theory* (pp. 391-392). London: Routledge.

Gross, Matthias (2006): "Ecology and Environmentalism," in Harrington, Austin; Barbara L. Marshall, & Hans-Peter Müller (eds.), *Encyclopedia of Social Theory* (pp. 152-154). London: Routledge.

Heinrichs, Harald; Agyeman, Julian & Matthias Groß (2004): "Die Umweltsoziologie und das Thema der sozial-ökologischen Ungleichheit," in Gabriele Bolte & Andreas Mielck (eds.), *Umweltgerechtigkeit: Die soziale Verteilung von Umweltbelastungen* (41-67). Weinheim: Juventa.

BOOK REVIEWS (* ISI/Thomson Reuters Indexed)

In: **Canadian Journal of Sociology* (2011), **Contemporary Sociology* (2003, 2007, 2009, 2012), *Forum Qualitative Sozialforschung* (2006), **Futures* (2009, 2010), **Health Sociology Review* (2009), **History and Philosophy of the Life Sciences* (2003 [2], 2006, 2008, 2009, 2011 [2]), *H-Soz-Kult* (2020), **International Sociology* (2011 [3], 2012, 2020), *Local Environment* (2008), *Österreichische Zeitschrift für Soziologie* (2008), **Society & Natural Resources* (2005), *Soziale Systeme* (2001), *Soziologische Revue* (2002, 2007: Group Review of Six Books), *Technikfolgenabschätzung: Theorie und Praxis* (2003).

PAPERS AND WORK IN PROGRESS (SELECTION)

"To the Brave Scientists: Aren't We Strong Enough to Stand (and Profit from) Uncertainty in Earth System Measurement and Modeling?" (with Hendrik Paasche, Jakob Lüttgau, David Greenberg, & Tobias Weigel). *Geoscience Data Journal*. Status: revise and resubmit.

"Stuck on Coal and Persuasion? A Critical Review of CCS Communication" (with Danny Otto). Under review.

"Experiments as Successful Failures." In: Mica, Adriana; Anna Horolets, Mikołaj Pawlak and Paweł Kubicki (eds.), *The Handbook of Failure*. London: Routledge. Status: revise and resubmit. Resubmitted version under review.

"Os animais na cidade: o impacto dos animais de companhia na organização dos espaços urbanos" (with Ana Horta). Under Review.

"Soziologie des Labors," in: Kaldewey, David (ed.), *Lehrbuch Wissenschaftsforschung*. Oldenburg: DeGruyter.

“Human-Dog-Relations under the Microscope: Networks of Walking and Socializing” (with Ana Horta). Under Review.

“Car Driving as Inverted Quarantine.”

“The High Culture of Lowered Cars: Aesthetics, Active Suspensions, and Show Tuning.”

“Rest in Pace: Firing Order and the Resonance of Cruising.”

Experimentalities of Everyday Life (working title, Monograph).

ACADEMIC SERVICES (Selection)

Since 2012: Founding Board Member of *Environmental Sociology*.

Since 2015: Editorial Board Member of *Science as Culture*.

Since 2015: Editorial Board Member of *Soziopolis* (Hamburger Institut für Sozialforschung, <http://www.sozio.polis.de>).

2021-2023: Supervisory Board Member of the *Energy Research Centre of Lower Saxony* (Energie-Forschungszentrum Niedersachsen, EFZN)

2015-2019: Editorial Board Member of *Energy Research & Social Science*.

Since 2016: Editorial Board Member of *Restoration Ecology* and since 2017 Coordinating Editor.

2006-2018: Chair of the *German Sociological Society's* (DGS) section on “Environmental Sociology.”

2011 to 2019: Chair of the Environment & Society Research Network (RN12), *European Sociological Association* (ESA), Board member since 2009.

2017: Evaluation Committee, Educational accreditation of the Master Program in Transition Studies, University of Flensburg.

2013-2016: Member of Acatec-working group *Future Energy Systems* (Energiesysteme der Zukunft, ESYS), Expert Panel on Geothermal Electricity Production.

2014-2015; 2020-2021: Evaluation Committee, Educational accreditation and re-accreditation of the Master Program in Environmental Studies, FernUniversität Hagen.

2014-2018: Elected Board member of Research Committee 23, Sociology of Science and Technology, *International Sociological Association* (ISA).

2013-2015: Founding Board member of RN37, Urban Sociology, *European Sociological Association* (ESA).

2010-2018: Member of the Editorial Board of the *International Sociological Association's* review journal *Sociopedia.isa*.

2002-2010 (elected twice for two consecutive four-year terms): Treasurer and board member of Research Committee 24, Environment and Society, *International Sociological Association* (ISA).

SMALL SELECTION OF PROFESSIONAL PRESENTATIONS SINCE 2008

Keynote Speaker: "The Normalcy of Not Knowing: Can there be Consensus on Ignorance?" Uniwersytet im. Adama Mickiewicza, Poznań, Poland, April 19, 2021 (online).

Keynote Speaker: "Ignorance and Transparency: How are they Related?" NEGATE Workshop, Tampere University, Finland, November 12, 2020 (online).

Keynote Speaker: "Knowing Ignorance as Opportunity," International Seminar on Environment and Society, *Portuguese Sociological Association*, Lisbon, March 2-3, 2020.

PhD Seminar at the Program for "Climate Change and Sustainable Development Policies." Universidade de Lisboa, February 28, 2020.

Invited Speaker, University of Augsburg, "Gebt mir ein Experiment und ich werde ein Labor finden." February 3, 2020.

Keynote Speaker at the *Mainzer Symposium der Sozial- und Kulturwissenschaften*. Topic: "What are and where to find Posthuman Perspectives on Nature and Culture?" September 19-20, 2019, Johannes Gutenberg-Universität Mainz.

Plenary Speaker: "Energy Transitions as Experimental Avenues." *Polish Sociological Congress*, Wroclaw, September 11-14, 2019.

Keynote Speaker and Panelist: *Workshop: Ignorance and Non-knowledge: What Consequences for Democratic Governance, Politics and Policy?* University of Vienna, November 13-14, 2018.

Invited Lecture: "Renewable Energies: The Next Great Experiment?" Joint Institutes Colloquium, MPI for Social Anthropology and Institute for Social and Cultural Anthropology, University of Halle, July 10, 2018.

Invited Lecture on "The Usefulness of Nonknowledge" at the *The Management of Ignorance* Workshop, Collegium Helveticum, ETH Zürich, June 7-9, 2018.

Invited Guest Lecturer at Freiburg Institute for Advanced Studies (FRIAS), Freiburg. May 2, 2018: Dinner Speech: "Shaping Sustainability: The Energy Transition as a Real World Experiment." Lunch Lecture, May 3: "Back to the Unknown: How Ignorance can be Useful."

Invited Lecture (Keynote): "Was war zuerst da, das Experiment oder das Labor? Von Laborstudien zu Realexperimenten und zurück," *25 Years Anniversary Conference of the Society for Science and Technology Studies* (Gesellschaft für Wissenschafts- und Technikforschung, GWTF), TU Berlin, November 16-17, 2017.

Invited Lecture (Panel) at the 2017 Technology Symposium, European Forum Alpbach on "Open Science, Dark Knowledge," Alpbach, Austria, August 24-26, 2017

Invited Lecture: "An der langen aber straffen Leine halten: Exploration, Nichtwissen und Kontrolle in Realexperimenten," Workshop on "Ambivalenz der Wissenschaft," *Gesellschaft für Wissenschaftsforschung e.V.*, Berlin, March 31, 2017.

Invited Guest Lecture at the University of Edinburgh's *Science, Technology and Innovation Studies* Lecture Series, January 30, 2017.

ISOE-Lecture: "Nichtwissen in der Wissensgesellschaft: Zur Rolle von Realexperimenten für eine nachhaltige Entwicklung." Goethe-Universität Frankfurt, January 26, 2017.

Invited Panel Discussion: "Virtues of Nonknowledge and the Experimental Society." Conference on *Ignorance Contrived*, Paris, December 1-2, 2016.

Public Lecture/Keynote: "Ignorance: How to Know about Not Knowing" at the *Disruption Network Lab*, Berlin, September 30, 2016.

"Democratic Energy Futures through Real World Experiments? Proactionary Innovation and the Virtues of Nonknowledge," 3rd ISA *World Forum of Sociology*, Vienna, July 10-14, 2016.

"When the Experiment is Part of Society the Laboratory becomes the Sideshow," Workshop on *The Sociological Gaze on Science and Society Relations*, Lisbon, June 21-22, 2016.

Invited Guest Lecture on "Experimental Bursts of Ignorance and the Spontaneous Order of Intended Knowledge Production," Workshop on *The Invisible Hand in Law, Economy and Culture: On Spontaneous Order, Mechanisms and Unintended Consequences*, Warsaw, May 9-10, 2016.

Invited Presentation (Keynote) on "Realexperimente und neue Formen der Wissensproduktion," at UBA-Colloquium *Neue Forschungsdesigns – neue Wissensformen*, German Federal Environmental Agency (UBA), Dessau, November 9, 2015.

Invited Presentation (Keynote) on "Blinder Aktivismus versus zielgerichtete Wissenschaft?," Conference *Wissenschaftliche Praxis und (öko-)politischer Aktivismus: Neue Perspektiven für die Umweltsoziologie*, Zeppelin University, Friedrichshafen, October 21-22, 2015.

Invited Presentation on "Real World Experiments as Generators of Socio-technical Change," Workshop on *Understanding Socio-technical Problems*, KIT, Karlsruhe, October 19-20, 2015.

Invited Presentation (Keynote): "Demand the Impossible: Towards Ironic Perspective in the Environmental Sociological Imagination," *Core Concepts in Environmental Sociology* conference, Örebro University, Sweden, September 23-25, 2015.

Invited Plenary Talk: "Sociology, Ecology and Environmental Sustainability," 13th *European Ecological Federation* (EEF) and 25th *Italian Society of Ecology's* (S.It.E.) joint conference, Rome, Italy, September 21-25, 2015.

Invited Presentation: "Experimentelle Strategien in Wissenschaft und Gesellschaft," Lecture at WZB, Berlin, June 22, 2015.

Invited Presentation: "Knowledge, Risk, and Nonknowledge: On the Expected Virtue of Ignorance," Lecture Series *Focus on Knowledge: Transcending Disciplinary Boundaries*, University of Bayreuth, Germany, June 10, 2015.

Invited Presentation: "Registering Ignorance and Nonknowledge: Empirical Examples and Obstacles," Workshop *Ignorance and Non-Knowledge in Early Modern Expansion* at the German Historical Institute London (GHIL), March 24 to 25, 2015.

Invited Presentation (Keynote): "Politics of Imagination," Workshop on *Science Shaping the World of Tomorrow: Scientific Imagination and Development of Society*. University Centre Saint-Ignatius Antwerp (UCSIA), Belgium, March 18-20, 2015.

Invited Presentation: "Natur schützen oder Energie wenden? Kulturelle Paradoxien und Chancen in der deutschen Energiewende," Workshop *Globale Energiewenden*, Deutsches Museum München, March 5-7, 2015.

Invited Panelist at Energiewende Conference, Deutsche Energieagentur, Dena, Berlin, November 12, 2014.

Invited Presentation and Panelist: "Innovation and Development in Contemporary Energy Transitions: Experiment and Exnovation," Berlin Conference on *Financial Institutions for Innovation and Development*, November 10-11, 2014.

Invited Presentation: "Ein Blick von außen: Nichtwissen aus Sicht der Soziologie," Conference of the *Saxon Society for Metabolic Diseases and Endocrinopathies*, February 7-8, 2014, Leipzig.

Invited Presentation: "Fostering the Utility of Ignorance: Nonknowledge and the Experimental Society," Workshop on *Les sciences, le doute instrumentalisé et l'ignorance produite*, Ecole normale supérieure, December 2-3, 2013, Paris, France.

Invited Presentation: "Kulturelle Grundlagen der Wahrnehmung des Untergrundes," GtV-*Geothermal Energy Congress* - Bundesverband Geothermie, November 12-14, 2013, Essen, Germany.

"Tapping Geothermal Energy: Mutable Immobilities and Experimental Virtues of Non-knowledge," Conference *STS Perspectives on Energy*, November 4 -5, 2013, Lisbon, Portugal.

Invited Panel Discussant on Geothermal Energy: "Unlocking Resources, Environmental Compliance: A Contradiction?" *Celle Drilling 2013*, September 9-10, 2013, Celle, Germany.

Keynote: "Die experimentelle Gesellschaft und der unsichere Weg zu mehr Nachhaltigkeit," 10. Tagung der *Nachwuchsgruppe Umweltsoziologie* (NGU) on "Die ökologische Gesellschaft und ihre Feinde," September 26-27, 2013, Universität Flensburg.

"Urban Dog Shit: Spaces of Public Pooping and Actor Networks of Not Knowing," 11th Conference of the *European Sociological Association*, Turin, Italy. August 28 - September 1, 2013.

Invited Presentation: "No Equilibrium, No Resilience: From Adaptation to Experimenting with Nonknowledge," Conference on *Constructing Resilience*, Berlin, January 17-18, 2013.

"Journey to the Heat of the Earth: Prelude to a Sociology of Geothermal Energy Systems," *Second ISA Forum of Sociology*, Buenos Aires, Argentina, August 1-4, 2012.

"Geothermal Energy Systems: Towards a Sociology of the Subterranean," Presentation at the Conference *Energy and Society*, University of Lisbon, Portugal, March 22-24, 2012.

Invited Plenary Panel: "Design goes Natural 2," Presentation and Panel Discussion at EGGER's Opening Session to the *Supply Fair for Furniture Industry & Interior Design* (ZOW), Rheda-Wiedenbrück, Germany, February 5, 2012.

"Experience, Gut Feelings, and Everyday Ignorance: Georg Simmel and the Normalcy of Nonknowledge," Presentation at the 10th Conference of the *European Sociological Association*, Research Stream 19, *The Tacit Knowing Approach*, Geneva, Switzerland, September 7-10, 2011.

"Author meets critics" session by invitation on the book *Ignorance and Surprise: Science, Society, and Ecological Design*, Annual Meeting of the International Society for Environmental Ethics (ISEE), Nijmegen, NL, June 14-17, 2011.

Invited Presentation: "Nichtwissen und Natur," *Forschungsseminar Sozialgeographie*, University of Jena, Germany, November 29, 2010.

Invited Presentation: "Keine Angst vor dem Unberechenbaren: Nützliches Nichtwissen und experimentelle Strategien in der Landschaftsgestaltung," *Unberechenbare Umwelt* Conference, University of Freiburg, Germany, November 18-19, 2010.

Plenary Presentation: "Is the Experimental Society already among us? Observations from Contemporary Implementation and Applied Research Settings," *Experimental Society* conference, Lancaster University, UK, July 7-9, 2010.

"Governing Ignorance: Decision Making in the Restoration of Industrially Contaminated Landscapes," 9th Conference of the *European Sociological Association*, Lisbon, Portugal, 2-5 September 2009.

Invited Presentation: "Landscapes, Ruins, and the Autonomy of Nature: Georg Simmel and the Restoration of Ecosystems," *5th SSRC International Conference*, National University of Ireland (NUI), Galway, 26-27 June 2009.

Invited Presentation: "The Recurring Return of the Non-Social: Sociology and its Natural Catchment Areas," *Conference Matter in Social Theory*, Program Sustainability Research (PSR), University of Basel, Switzerland, 15-16 May, 2009.

Invited Presentation: "The Management of Contaminated Land: Coping with Ignorance in the Remediation of Megasites," *5th Japanese-German Frontiers of Science Symposium*, October 30 to November 2, 2008, Mainz, funded and organized by *Alexander von Humboldt-Foundation*.

Invited Presentation: "Managing Contamination: Coping with the Unknown in the Remediation of Contaminated Land," Moscow, Russia, Sept. 26-28, 2008, funded by the *German Research Foundation* (DFG) in cooperation with *Lomonossow University*, Moscow.

"Experimental Governance: Coping with Ignorance in the Remediation of Contaminated Land," *World Forum of Sociology*, Barcelona, Spain, Sept. 5-8, 2008.

"It's Always Dark in Front of the Pickaxe: Ignorance and Surprise in the Remediation of Contaminated Land," *EASST/4S* meeting, Rotterdam, The Netherlands, August 20-23, 2008.

"Experimentelle Governance: Politisch relevantes Wissen in der Sanierung kontaminierter Industrieregionen," Workshop of the *German Sociological Society's* section on *Science and Technology Studies*, University of Augsburg, June 26-27, 2008 (with A. Bleicher & W. Krohn).

"Cleaning up the Mess: Governance Strategies in the Revitalization of Contaminated Land in Germany," Poster presentation and paper delivered at *ConSoil 2008*, Stella Polare Congress Centre, Milano, Italy, June 3-6, 2008 (with Alena Bleicher).

Invited Presentation: "Revitalization Strategies for Contaminated Land (SAFIRA II)," *1st German-Romanian Conference on Research for Sustainability*, Bucharest, Romania, June 3, 2008 (funded by the *Fraunhofer-Center for Central and Eastern Europe*, MOEZ).

Invited Presentation: "Facetten von Umweltgerechtigkeit: Diskriminierung, Ungleichheit, Interessenkonflikte," *artec colloquium on Environmental Justice* at the University of Bremen, May 7, 2008 (with Horst-Dietrich Elvers).

Invited Presentation: "Nature and Modernity: Georg Simmel and the Natural Environment," *Social Theory and the Environment Seminar* at Wageningen University, April 2, 2008.

RECENT WORKSHOP, PANEL, AND CONFERENCE ORGANIZATIONS (Small selection)

Co-Organizer of the *Fifth Energy & Society Conference* (also a Midterm Conference of ESA's RN12). Topic: "Energy Transition: Does the Mountain Give Birth to a Mouse?" Trento, Italy, February 10-12, 2021.

Organizer of all sessions of RN 12, Environment and Society, at the 14th Conference of the *European Sociological Association (ESA)*, Manchester, UK, August 20 to 23, 2019.

Co-Organizer of the *Fourth Energy & Society Conference* (also a Midterm Conference of ESA's RN12), Exeter, September 3-5, 2018. Topic: "Energy Transitions in a Divided World."

Organizer of all sessions of RN 12, Environment and Society, at the 13th Conference of the *European Sociological Association (ESA)*, Athens, Greece, August 29 to September 1, 2017.

Organizer of the *Third Energy & Society Network's Conference* (also a Midterm Conference of ESA's RN12 in cooperation ISA RC24 and the DGS), Leipzig, September 12 to 14, 2016.

Organizer of all sessions of RN 12, Environment and Society, at the 12th Conference of the *European Sociological Association (ESA)*, Prague, Czech Republic, August 25 to 28, 2015.

Member of Organizing Committee of the *Energy & Society Network's Conference* on "Energy Transitions as Societal Transitions: Challenges for the Present and the Future," (also a Midterm Conference of ESA's RN12), Krakow, Poland, June 4-6, 2014.

Organizer together with Stefan Böschen & Wolfgang Krohn of a workshop on "Experimentelle Gesellschaft: Das Experiment als wissenschaftliches Dispositiv," Karlsruhe, February 20-21, 2014.

Organizer of all sessions of RN 12, Environment and Society, at the 11th Conference of the *European Sociological Association (ESA)*, Turin, Italy, August 28 to September 1, 2013.

Organizer together with Linsey McGoey of the panel on "Ignorance by Design: Rethinking Knowledge, Anti-knowledge and the Unknown in STS," *4S/EASST Joint Meeting Design and Displacement*, Copenhagen, October 17-20, 2012.

Organizer of the panel "Beyond Risk: Governing Unknowns," Research Committee on *Sociology of Science and Technology (RC23)*, *Second ISA Forum of Sociology*, Buenos Aires, Argentina, August 1-4, 2012.

Co-organizer (with Birgit Blättel-Mink et al.) of the *3rd German Environmental Sociology Summit* on "Innovation and Sustainability: Beyond Technology," Frankfurt, November 16-18, 2011.

Co-organizer of all sessions of RN 12, Environment and Society, at the 10th Conference of the *European Sociological Association (ESA)*, Geneva, September 7-10, 2011.

Co-organizer of a joint conference with the Deutsches Jugendinstitut (DJI) and the German Sociological Society's Environmental Sociology section on the theme *Konsum und Nachhaltigkeit*, May 2-3, 2011, Schweisfurth-Stiftung, Munich.

Member of the planning group for the "7th Japanese-German Frontiers of Science Symposium" of the *Alexander von Humboldt Foundation* in cooperation with the *Japan Society for the Promotion of Science*, Tokyo, Japan, November 11-14, 2010.

Co-organizer of the Theme Track "Innovation Networks and Real-World Experimentation," *European Association for the Study of Science and Technology (EASST)*, Theme: "Practicing Science and Technology, Performing the Social," Trento, Italy, 2-4 September, 2010.

Organizing committee member for all RC24 Sessions at the World Congress of Sociology (International Sociological Association, ISA), Gothenburg, Sweden, July 11-17, 2010.

COURSES TAUGHT AND PREPARED TO TEACH

"Introduction to Science and Technology Studies/Sociology of Science and Technology" (taught many times in different university contexts)

"Culture and Nature: Classical and Contemporary Perspectives,"

"The Sociology of Space" (Course focusing on concepts of borders, technologies, artifacts, cultural spaces, practices, and attachment to places),

"Experiment and Society" (course on different forms of experimental knowledge generation outside the traditional sphere of science and their cultural and risk-related implications in historical perspective),

"Nothing Matters: Introduction to the Sociology of Nothing,"

"Car Cultures,"

"Decentralized Energy Systems" (Teaching / research project),

"Introduction to Sociology" (taught also for natural scientists and engineers as part of the Helmholtz-Graduate School),

"Animals and Society" (Introduction into sociological thinking on how human society is structured through its interaction with non-human animals),

"The Sociology of Surprises,"

"The Sociology of Gardening,"

"Ignorance, Science, & Society" (Courses focusing on risk, uncertainty, and ignorance as part of decision making in science, technology & engineering),

"Environmental Sociology" (for sociologists as well as natural scientists & engineers, taught several times in university settings in Germany and the US. Sample course listed in *Teaching Environmental Sociology*, sixth edition, ed. by Michael Mascarenhas),

"Failure" (course on learning from failure, limits of successful failures, failed innovations, mishaps and accidents, coping strategies, technological change and risk)

"Classics in Environmental Sociology," "Classical Social Theory,"

"Environment, Sustainability, and Society,"

"Introductory course on Risk and Nature in Geography and Sociology" (co-taught with Christian Kuhlicke at the Department of Geography, University of Leipzig),

"History, Philosophy and Sociology of Science and Technology" (reading seminar taught with Mark B. Brown, Bielefeld University).

MANUSCRIPT & PROPOSAL EVALUATIONS, ADVISORY SERVICES, COUNCILS ETC.

(SELECTION OF LAST SIX YEARS)

Book Manuscripts: *Ashgate Publishing; Earthscan; Edward Elgar; Johns Hopkins University Press; MIT Press; Oxford University Press; Palgrave; Polity Press; Routledge; Springer Publishing; University of Chicago Press.*

Journal Articles: *American Journal of Sociology; American Sociological Review; British Journal of Sociology; Contemporary Political Theory; Current Sociology; Distinktion: Scandinavian Journal of Social Theory; Ecological Economics; Ecology & Society; Energy Policy; Energy Research & Social Science; Environment and Planning A and C; Environment, Development and Sustainability (ENVI); Environmental Earth Sciences; Environmental Politics; Environmental Sociology; European Urban and Regional Studies; FQS – Forum: Qualitative Social Research; Gaia; Geoforum; History of the Human Sciences; Human Ecology; Human Ecology Review; Humanities; International Journal of Sociology; Journal for Discourse Studies; Journal for Nature Conservation; Journal of Cleaner Production; Journal of Environmental Planning and Management; Journal of Historical Sociology; Journal of Responsible Innovation; Journal of Risk Research; Journal of Rural Studies; Kölner Zeitschrift für Soziologie & Sozialpsychologie; Land Use Policy; Landscape & Urban Planning; Minerva; Moravian Geographical Reports; Natural Hazards; Österreichische Zeitschrift für Soziologie; Organization & Environment; Organization Studies; Prometheus: Critical Studies in Innovation; Restoration Ecology; Risk Analysis; Science & Engineering Ethics; Science Communication; Science as Culture; Science & Public Policy; Science of the Total Environment; Science, Technology, & Human Values; Social Forces; Social Science History; Socio-Economic Review; Sociologica; Sociological Inquiry; Sociological Quarterly; Sociological Research Online; Soziale Systeme; Soziale Welt; Space and Culture; Sustainability; Sustainability: Science, Practice, & Policy (SSPP); Sustainability Science; Symbolic Interaction; TATuP; Theoria; Theory, Culture & Society; Transactions of the Institute of British Geographers; Zeitschrift für Soziologie (among others).*

Foundations & other Funding and Evaluation Agencies: *Academy of Finland; Alexander von Humboldt Foundation; Baden-Württemberg Programm Lebensgrundlage Umwelt und ihre Sicherung (BWPLUS); Belgian Science Policy Office; Bundesministerium für Bildung & Forschung (BMBF); Czech Science Foundation; Deutscher Akademischer Austauschdienst (DAAD); Deutsche Bundesstiftung Umwelt (DBU); Deutsche Forschungsgemeinschaft (DFG); EU/Horizon 2020; Energie-Forschungszentrum Niedersachsen (2021-2025); Evangelisches Studienwerk; Fonds Wetenschappelijk Onderzoek Vlaanderen (Research Foundation – Flanders, FWO); Fritz Thyssen Stiftung; Guggenheim Foundation; Independent Research Fund Denmark; Ministerium für Wissenschaft und Kultur des Landes Niedersachsen; Ministerium für Umwelt, Klima und Energiewirtschaft Baden-Württemberg (UM); National Science Foundation (NSF, US); National Science Centre (Narodowe Centrum Nauki - NCN) Poland; The Netherlands Organisation for Scientific Research (NOW); Österreichische Akademie der Wissenschaften; Österreichischer Wissenschaftsfonds (FWF); Portuguese Foundation for Science & Technology; Raumforschung und Raumordnung/Spatial Research and Planning; Research Council of Norway (RCN); Schweizerische Eidgenossenschaft/Staatssekretariat für Bildung & Forschung (SBF); Schweizerischer Nationalfonds (SNF); Studienstiftung des Deutschen Volkes; USDA Forest Service; Swiss Transdisciplinarity Award; Volkswagen Foundation; Wissenschaftsrat (Germany) (among many others).*

SELECTION OF FELLOWSHIPS, RESEARCH PROJECTS, JOB OFFERS, AND AWARDS

2021-2023: Advisory council member, Energy Research Centre of Lower Saxony (EFZN), Germany.

November 2020: Approval of Research Project as part of SFB/Transregio 294 *Strukturwandel des Eigentums* on “Windernte und Wärmeklau als Indikatoren neuer Eigentumsordnungen” (“Harvesting Wind and Stealing Heat as Indicators of New Forms of Ownership”), University of Jena (in cooperation with U Erfurt), German Research Foundation (DFG). 48 person months (post doc) plus material expenses. Term: January 2021 to December 2024.

July 2019: Approval of “DigiMon: Digital Monitoring of CO2 Storage Projects.” CLIMIT - Program for Power Generation with Carbon Capture and Storage. Application Number: ES635519, Project Number: 299622. Overall funding: 6.466.0002€, UFZ sociology part: 36+ person months (post doc) plus material expenses. Term: Oct. 2019 to Sept. 2022.

July 2018: Winner of the Frederick Buttel Award for Distinguished Scholarship in environmental sociology by the Environment and Society Research Committee (RC24), *International Sociological Association* (ISA).

January 2014-2020: Integrated Project of the Helmholtz Association: *EnergyLandUse*. Working Packages on Governance Issues and Geothermal Energy, includes a post doc position for 36 person months.

May 2013: Awarded the Sage Prize for Innovation and Excellence of the British Sociological Association (BSA) in *Cultural Sociology*.

February 2013: Position Offered at the University of Jena, Germany in “Environmental Sociology,” Tenured Full Professorship (W3) as joint appointment with UFZ in Leipzig (accepted).

January 2013: Position Offered at the University of Freiburg, Germany in “Science and Technology Studies,” Tenured Full Professorship (W3, declined).

October 2012: Position Offered at the Catholic University of Eichstätt, Germany in “Process Oriented Sociology,” Tenured Full Professorship (W2, declined).

June 2011 to June 2014: “Tailored Improvement of Brownfield Regeneration in Europe – TIMBRE,” EU Proposal No. 265364–TIMBRE. Co-applicant and Person in Charge for the Work Package on *Decision Structures and Local Culture* as part of the Collaborative Project. Overall funding: 3.499.902€, UFZ sociology part: 36+ person months (post doc) plus material expenses.

November 2010 to June 2015: Person in Charge for the sociological Work Package in the EU Marie-Curie Action-Initial Training Network “Advancing Sustainable *In Situ* Remediation for Contaminated Land and Groundwater – ADVOCATE.” Overall funding: 3.450.000 €, UFZ sociology part: 24 person months (post doc) plus material expenses.

November 2009 - April 2014: Person in Charge for the EU Network of Excellence Project *Linking Impact Assessment Instruments to Sustainability Expertise*, LIAISE, Grant agreement no.: 243826–LIAISE (UFZ sociology funding: 268.000 Euros).

Awarded the 2007/08 *McCloy Fellowship in Environmental Affairs* from the “American Council on Germany,” New York, in cooperation with the USDA Forest Service Evanston, Illinois.

March 2006 to December 2012: Research project on science communication and sustainability evaluation as part of the “megasites” research on *Remediation of Regionally Contaminated Aquifers (SAFIRA II)*, funded by the Federal Ministry of Education and Research (BMBF).

September 2002: 2.600 Euros of student loans (BaföG) were forgiven due to early finishing of the course of studies and for a grade point average in the top 30% of 1998's sociology diplomas at Bielefeld University.

November 2001 (date of approval): Research project funding (529.000 Euro) from the *Volkswagen Foundation* for an interdisciplinary junior research group on “Real-world Experiments” (together with Holger Hoffmann-Riem).

July 2001 to March 2002: Post-Doctoral Fellowship from the German Research Foundation – DFG, Institute for Science and Technology Studies, Universität Bielefeld.

June 2001: Doctoral degree in sociology (Dr. rer. soc.), Universität Bielefeld. Committee: Wolfgang Krohn (chair), Peter Weingart, Alex Preda, Otthein Rammstedt.

Summer 2000 – Spring 2001: Assistant Coordinator in the SEIN (Simulating sEelf-organizing Innovation Networks) project under the Tser (Targeted Socio-Economic Research) Program of the European Community, Director: Günter Küppers.

Spring Term 2000: Research Fellowship with the DAAD (German Academic Exchange Service) at the Department of Rural Sociology, University of Wisconsin, Madison, USA.

April 1999 to June 2001: Doctoral Fellowship (full funding) from the *German Research Foundation* (DFG) at the Graduate College *Genese, Strukturen und Folgen von Wissenschaft und Technik*, Institute for Science and Technology Studies, Universität Bielefeld.

1998: Universität Bielefeld, Department of Sociology: Award of the diploma degree (“With Distinction”), Committee: Wolfgang Krohn and Karin Knorr Cetina.

Summer semester 1995, winter semester 1996/97, and summer semester 1997: Teaching Fellowships at the Department of Sociology, Universität Bielefeld.

May – July 1996: Internship at the *Center for Applied Social Analysis and Education (CASAE)*, Arcata, California, USA.

Academic Year 1995-1996: State fellowship for full tuition and living expenses for an academic year as a sociology graduate student at Humboldt State University, Arcata, California.

March – May 1995: Interviewer for the *Bertelsmann Foundation* in a regional project on “Structural Improvements for Cultural Planning.”

COMMUNITY ACTIVITIES (Selection)

Fall term 2003: Participation in urban park development projects, Chicago.

March – June 2000: Volunteer work in restoration projects related to the use of prescribed fire on prairies and in urban parks; Madison, Wisconsin.

April – September 1992: Volunteer Work in different settings in Australia in environmental conservation projects and farm work with *Involvement Volunteers Ass. Inc.*, Australia.

August 1990 – October 1991: Alternate Service (sometimes referred to as Civilian Service) in a Hospital for Mouth and Face Cancer at Universitätskliniken Bonn, Germany.