



Sabine Höhler

Curriculum Vitae

Sabine Höhler

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Personal Data and Address

Sabine Höhler

born March 20, 1966, in Duisburg, Germany

PhD, Professor

KTH Royal Institute of Technology

School of Architecture and the Built Environment

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Education

Docent 2014	KTH Royal Institute of Technology Stockholm, history of science, technology and environment Docent lecture on October 22, 2014: "The Science and Science Fiction of Sustainability in the Environmental Era"
Habilitation 2010	(German Docent) Darmstadt University of Technology, Department of Humanities and Social Sciences. <i>Venia legendi</i> in history of science, history of technology, and environmental history Habilitation thesis: "Spaceship Earth: Envisioning Human Habitats in the Environmental Age" Habilitation proceedings opened on July 9, 2009; acceptance of manuscript on December 3, 2009. Reviewers: Prof. Dr. Mikael Hård, TU Darmstadt Prof. Dr. Alfred Nordmann, TU Darmstadt Prof. Michelle Murphy, PhD, University of Toronto Prof. Dr. David Gugerli, ETH Zurich Defense on January 28, 2010. Lecture topic: "Vom Naturwunder zum globalen Ökosystem: Der Nationalpark in transnationaler Perspektive"
Doctorate 1999	Braunschweig University of Technology, Germany, History Department. Dissertation thesis: "Luftfahrtforschung und Luftfahrtmythos. Wissenschaftliche Ballonfahrt in Deutschland, 1880-1910" Advisors: Prof. Dr. Herbert Mehrtens, Prof. Dr. Bettina Wahrig.
Diploma 1993	University of Karlsruhe, Germany, Physics Department. Diploma thesis: "Plasmadiagnostik an mikrowellenangeregten Thalliumjodid-Molekülgasen"
Abitur 1986	(University Entrance Qualification) Lise-Meitner-Gymnasium Geldern
U.S. High School	
Diploma 1984	Randolph High School, Randolph, Texas, USA

Professional Positions

KTH Royal Institute of Technology Stockholm, Sweden

Professor of Science and Technology Studies with Historical Orientation at the Division of History of Science, Technology and Environment (since June 2022).
Associate Professor of Science and Technology Studies with Historical Orientation at the Division of History of Science, Technology and Environment (August 2011 – May 2022).
Head of Department of Philosophy and History (since July 2018).
Head of Division (July 2016 – December 2022).
Vice-Head of Department of Philosophy and History (July 2016 – June 2018).
Program Director of PhD-Program “Studies in the Humanities and Social Sciences of Technology, Science and the Environment” (January – August 2016).
Director of Graduate Studies (January 2013 – August 2016).

ETH Swiss Federal Institute of Technology Zurich, Switzerland

Senior lecturer, Science Studies, Department of Humanities, Social and Political Sciences (April 2010 – July 2011).

Darmstadt University of Technology, Germany

Research Associate, Graduate School “Topology of Technology” funded by the German Research Council (DFG) (October 2009 – February 2010).

University of Hamburg, Germany

Research Associate, School of Economics and Social Sciences, Department of Economics and Politics. Member of the interdisciplinary junior research group “Material-Semiotic Dimensions of Sustainable Development: Images of the Economic Construction of Ecological Reality in European Regions” (NEDS), funded by the BMBF – German Federal Ministry for Education and Research (July 2002 – June 2007).

Braunschweig University of Technology, Germany

Research Assistant at the University’s Gender Office (February – June 1999).

Fellowships and Grants

Research Fellowships

Technical University of Darmstadt, Germany

DFG Mercator Fellow, Research Training Group KRITIS “Critical Infrastructures: Construction, Functional Crises and Protection in Cities” (November 1-30, 2017; November 26 – December 6, 2018; November 11 – December 6, 2019).

ETH Swiss Federal Institute of Technology Zurich, Switzerland

Research Fellow at the Institute of History; History of Technology (February 2009 – July 2009).

Deutsches Museum Munich, Germany

Scholar in Residence (research fellow) at the Research Institute for the History of Technology and Science; project “‘Life Support’: Experimentalizing the Human Habitat in Space” (July 2008 – December 2008).

German Historical Institute (GHI), Washington, DC, USA

Environmental History Research Fellow; project “‘Spaceship Earth’: Global Awareness and Visions of Living Space in the Environmental Age, 1960s and 1970s” (March 2007; July 2007 – May 2008).

IFK International Research Centre for Cultural Studies, Vienna, Austria

Research Fellow, project “‘Raumschiff Erde’: Lebensraumphantasien im Umweltzeitalter”, 2007 – 2008 (not claimed).

Max Planck Institute for the History of Science, Berlin, Germany

Postdoctoral Research Fellow; project: "Great Expectations: Spatial Frontiers in 19th and 20th Century Oceanography" (July 1999 – June 2002).

Heinrich Böll Foundation Berlin, Germany

Dissertation Fellowship; PhD dissertation project "Luftfahrtforschung und Luftfahrtmythos. Wissenschaftliche Ballonfahrt in Deutschland, 1880-1910" (1995–1998).

Research Project Grants

"Terraforming Agency", RJ Riksbankens Jubileumsfond, Art and Culture grant to the gaming company Really Interactive, Stockholm, to develop a VR game based on the RJ-funded project "Life on Mars: The Science and Fiction of Terraforming and the Future of Planet Earth" (2018–2020) (SEK 8 643 850). Project consultant, own share SEK 180.000. 2024–2025.

Centre of Excellence "Anthropocene History". VR – Swedish Research Council (SEK 29.654.210). Hosted by KTH Royal Institute of Technology Stockholm. Main applicant and PI. 2024–2028.

"KTH Future Humanities Initiative". MAW Marcus and Amalia Wallenberg Foundation grant to launch a research-based educational and outreach effort to assist climate transformation and sustainable development during the Agenda 2030 decade (SEK 12.500.000). Hosted by KTH Royal Institute of Technology Stockholm. Co-applicant. 2023–2027.

"Media and Environment: AI and Autonomous Systems in Data-based Environmental Research". WASP-HS The Wallenberg AI, Autonomous Systems and Software Program – Humanities and Society. This grant encompasses a research group of an assistant professor and a doctoral student to the Division of History of Science, Technology and Environment at KTH Royal Institute of Technology Stockholm (ca. SEK 8.300.000). Main applicant. 2020–2026.

"The Mediated Planet: Claiming Data for Environmental SDGs". Formas – Swedish Research Council for Sustainable Development (SEK 20.000.000). Hosted by KTH Royal Institute of Technology Stockholm. Main applicant and PI. 2020–2024.

SPHERE "Study of the Planetary Human-Earth Relationship: The Rise of Global Environmental Governance". ERC Advanced Grant (SEK 25.000.000). Hosted by KTH Royal Institute of Technology Stockholm. Project member. Own share ca. 3 MSEK salary, plus travel and equipment costs. 2018–2023.

"Life on Mars: The Science and Fiction of Terraforming and the Future of Planet Earth". RJ Riksbankens Jubileumsfond (SEK 1.360.000). Hosted by KTH Royal Institute of Technology Stockholm. Main applicant and PI. 2018–2020.

ENHANCE – Environmental Humanities for a Concerned Europe. Marie Skłodowska Curie Innovative Training Network (ITN). Led by the University of Leeds, with partnering institutions Rachel Carson Center for Environment and Society at Ludwig Maximilian University Munich, Deutsches Museum Munich, and KTH Royal Institute of Technology Stockholm (KTH's share ca. 10 MSEK plus KTH co-funding). Project member. Own share ca. SEK 60.000 for travel and equipment. 2015–2019.

"Saving Nature: Conservation Technologies from the Biblical Ark to the Digital Archive". VR – Swedish Research Council (SEK 3.240.000). Hosted by KTH Royal Institute of Technology Stockholm. Main applicant and PI. Main supervisor of 1 PhD student (defended 2017). 2015–2017.

"Mistra Arctic Sustainable Development. New governance for sustainable development in the European Arctic". Mistra – Swedish Agency for Strategic Environmental Research (40 MSEK). Hosted by Umeå University with KTH Royal Institute of Technology Stockholm as

one of the partnering institutions. Project member. Own share ca. SEK 320.000 salary plus travel budget. 2014–2018.

“Views from a Distance: Remote Sensing Technologies and the Perception of the Earth”. VR – Swedish Research Council (SEK 3.648.000). Hosted by KTH Royal Institute of Technology Stockholm. Co-applicant and project member. Own share ca. SEK 900.000 salary plus travel and equipment. Co-supervisor of 1 PhD student (defended 2019). 2013–2016.

“Assessing Arctic Futures: Voices, Resources, Governance”. Mistra – Swedish Agency for Strategic Environmental Research (8 MSEK). Hosted by KTH Royal Institute of Technology Stockholm. Project member on a small share. 2011–2013.

Scholarships

KTH Travel Scholarship funded by Signeuls stiftelse (SEK 6.400) to attend and present a paper at WCEH 2nd World Congress of Environmental History, Guimarães, Portugal, July 8-12, 2014.

SNF Swiss Research Council, funding of CHF 7.000 for the workshop “Stress in der Leistungsgesellschaft: Flexible Systeme zwischen Erholung und Kollaps” (co-organized at ETH Zurich), March 8-10, 2012.

DFG German Research Council, travel funding to participate in the Annual Meeting of the German Historical Association (49. Deutscher Historikertag) in Mainz, September 25-28, 2012.

DFG German Research Council, Dissertation Publication Grant (DM 10.000 = ca. EUR 5.000), publication of PhD thesis “Luftfahrtforschung und Luftfahrtmythos. Wissenschaftliche Ballonfahrt in Deutschland, 1880-1910”. 2001.

Max Planck Institute for the History of Science, Berlin, fellowship (travel and accommodation), participation in the Berlin Summer Academy “The Knowing Body of the Scientist”, August 1995.

Publications

Monographs

Spaceship Earth in the Environmental Age, 1960-1990 (“History and Philosophy of Technoscience” 4), London, Pickering & Chatto 2015. Paperback edition London/New York, Routledge 2016.

Luftfahrtforschung und Luftfahrtmythos: Wissenschaftliche Ballonfahrt in Deutschland, 1880-1910, Frankfurt a. M./New York, Campus 2001. New edition as BoD – Book on Demand Frankfurt a. M./New York, Campus 2020.

Edited Volumes

Writing History in the Anthropocene. Theme Issue *Geschichte und Gesellschaft. Zeitschrift für Historische Sozialwissenschaft/Journal for Historical Social Sciences* 46 (2020) 4 (with Andrea Westermann).

Stress! Theme issue *Zeithistorische Forschungen/Studies in Contemporary History* 11 (2014) 3 (with Lea Haller and Heiko Stoff).

Rechnen mit der Natur: Ökonomische Kalküle um Ressourcen. Theme issue *Berichte zur Wissenschaftsgeschichte* 37 (2014) 1 (with Lea Haller and Andrea Westermann).

Civilizing Nature: National Parks in Global Historical Perspective (ESEH Book Series “The Environment in History: International Perspectives” 1), New York/Oxford, Berghahn Books 2012 (with Bernhard Gißbl and Patrick Kupper). Paperback edition New York/Oxford, Berghahn Books 2015.

Nature's Accountability. Science as Culture 19 (2010) 4, special issue (with Rafael Ziegler). *Beam us up, Boulding! 40 Jahre “Raumschiff Erde”*, special issue on the 40th anniversary of Kenneth E. Boulding’s “The Economics of the Coming Spaceship Earth” (1966), *Vereinigung für Ökologische Ökonomie – Beiträge und Berichte* No. 7 (2006) (with Fred Luks).

Welt-Räume: Geschichte, Geographie und Globalisierung seit 1900 (“Historische Studien” 39), Frankfurt a. M./New York, Campus 2005 (with Iris Schröder).

Dokumentation des 22. Kongresses von Frauen in Naturwissenschaft und Technik, 16. bis 19. Mai 1996 in Braunschweig, Darmstadt, FiT 1997 (co-editor).

Journal Articles

“Sog des Neuen: Narrationen der Technikgeschichte” (with Christian Kehrt), Introduction theme issue “Sog des Neuen”, *Technikgeschichte* 91 (2024) 1: 3-10.

“The Mediated Planet: Datafication and the Environmental SDGs” (with Adam Wickberg, first author, and Susanna Lidström, Amanda Lagerkvist, Tirza Meyer, Nina Wormbs, Johan Gärdebo, Sverker Sörlin), *Environmental Science and Policy* 153 (2024).
Open Access: [https://authors.elsevier.com/sd/article/S1462-9011\(24\)00007-8](https://authors.elsevier.com/sd/article/S1462-9011(24)00007-8)

“Writing History in the Anthropocene: Scaling, Accountability, and Accumulation” (with Andrea Westermann), introduction to special issue “Writing History in the Anthropocene” (co-edited with Andrea Westermann), *Geschichte und Gesellschaft. Zeitschrift für Historische Sozialwissenschaft/Journal for Historical Social Sciences* 46 (2020) 4: 579-605.

“Earth, a Technogarden: Planting for the Planet in Sweden’s First Phytotron, 1950-1970”, *Geschichte und Gesellschaft. Zeitschrift für Historische Sozialwissenschaft/Journal for Historical Social Sciences* 46 (2020) 4: 706-728, special issue “Writing History in the Anthropocene”.

“Survival: Mars Fiction and Experiments with Life on Earth”, *Environmental Philosophy* 14 (2017) 1: 83-100, special issue “Immortality and Infinitude in the Anthropocene”, eds. Michelle Bastian and Thom van Dooren.

“Local Disruption or Global Condition? El Niño as Weather and as Climate Phenomenon”, *GEO Geography and Environment* 4 (2017) 1, special issue “Global Environmental Images”, ed. Sebastian Grevsmühl (online open access, 11 pages).
Open Access: <http://www.onlinelibrary.wiley.com/doi/10.1002/geo2.34/pdf>

“Stress – Konjunkturen eines Konzepts” (with Lea Haller and Heiko Stoff), theme issue *Stress!*, *Zeithistorische Forschungen/Studies in Contemporary History* 11 (2014) 3: 359-381, co-edited with Lea Haller and Heiko Stoff.

“Resilienz: Mensch – Umwelt – System. Eine Geschichte der Stressbewältigung von der Erholung zur Selbstoptimierung”, theme issue *Stress!*, *Zeithistorische Forschungen/Studies in Contemporary History* 11 (2014) 3: 425-443, co-edited with Lea Haller and Heiko Stoff.

“Exterritoriale Ressourcen: Die Diskussion um die Meere, die Pole und das Weltall um 1970”, *Jahrbuch für Europäische Geschichte/European History Yearbook* 15 (2015): 53-82 (München: De Gruyter Oldenbourg), theme issue *Global Commons im 20. Jahrhundert. Entwürfe für eine globale Welt*, eds. Isabella Löhr and Andrea Rehling.

“Die Weltmeere – Science und Fiction des Unerschöpflichen in Zeiten neuer Wachstumsgrenzen”, *Geschichte und Gesellschaft. Zeitschrift für Historische*

- Sozialwissenschaft* 40 (2014) 3: 437-451, theme issue *Lebensraum Meer*, eds. Christian Kehrt and Franziska Torma.
- “Einleitung: Rechnen mit der Natur: Ökonomische Kalküle um Ressourcen” (with Lea Haller and Andrea Westermann), *Berichte zur Wissenschaftsgeschichte* 37 (2014) 1: 8-19, theme issue co-edited with Lea Haller and Andrea Westermann.
- “Von Biodiversität zu Biodiversifizierung: Eine Neue Ökonomie der Natur?” *Berichte zur Wissenschaftsgeschichte* 37 (2014) 1: 60-77, theme issue *Rechnen mit der Natur: Ökonomische Kalküle um Ressourcen*, co-edited with Lea Haller and Andrea Westermann.
- “Nature’s Accountability: Stocks and Stories” (with Rafael Ziegler), in: *Science as Culture* 19 (2010) 4: 417-430, theme issue *Nature’s Accountability*, co-edited with Rafael Ziegler.
- “The Environment as a Life Support System: the Case of Biosphere 2”, *History and Technology* 26 (2010) 1: 39-58.
- “‘Spaceship Earth’: Envisioning Human Habitats in the Environmental Age”, *Bulletin of the German Historical Institute* No. 42 (2008): 65-85.
- “The Law of Growth: How Ecology Accounted for World Population in the 20th Century”, *Distinktion. Scandinavian Journal of Social Theory* No. 14 (2007): 45-64, special issue “Bioeconomy”, eds. Thomas Lemke and Lars Thorup Larsen.
- “Die Wissenschaft von der ‘Überbevölkerung’. Paul Ehrlichs ‘Bevölkerungsbombe’ als Fanal für die 1970er-Jahre”, *Zeithistorische Forschungen/Studies in Contemporary History* 3 (2006): 60-64, special issue “Die 1970er-Jahre – Inventur einer Umbruchzeit/The 1970s – Looking Back on an Era of Change”.
- “Geschlechterforschung ist Wissenschaftsforschung – Wissenschaftsforschung ist Geschlechterforschung. Einführung in den Themenschwerpunkt ‘Wissenschaftsgeschichte als Geschlechtergeschichte’” (with Bettina Wahrig), *NTM. International Journal of History and Ethics of Natural Sciences, Technology and Medicine* 14 (2006) 4: 201-211.
- “Carrying Capacity – the Moral Economy of the ‘Coming Spaceship Earth’”, *Atenea. A Bilingual Journal of the Humanities and Social Sciences* XXVI (2006) 1: 59-74, special issue “Humans and the Environment”.
- “Transdisziplinarität als neues Weltbild? Ein Praxisbericht” (with Fred Luks), in: Plöger, Peter, Lang, Eva (Eds.), “Ökologische Ökonomie: eine neue Wissenschaft?”, *VÖÖ-Beiträge und Berichte* 5/2005: 57-71.
- “Profilgewinn: Karten der Atlantischen Expedition (1925-1927) der Notgemeinschaft der Deutschen Wissenschaft”, *NTM. International Journal of History and Ethics of Natural Sciences, Technology and Medicine* 10 (2002) 4: 234-246.
- “Depth Records and Ocean Volumes: Ocean Profiling by Sounding Technology, 1850-1930”, *History and Technology* 18 (2002) 2: 119-154.

Book Chapters

- “Knowledges: Creating the Blue Planet from Modern Oceanography”, in: Franziska Torma (ed.), *A Cultural History of the Sea in the Global Age* (“A Cultural History of the Sea” 6), London, Bloomsbury Press 2021, pp. 21-44.
- “Local Disruption or Global Condition? El Niño as Weather and as Climate Phenomenon”, in: *Oceanography: Marine Monitoring, Microbiology, and Materiality*, eds. Armen Avanessian, Werner Boschmann and Karen Sarkisov, in dialogue with Stefan Helmreich (“XXI Century Science”), Berlin, Sternberg Press / Moscow, V-A-C Foundation 2021.
- “Troubling the Northern Seas: The Turbulent History of Norwegian and Russian Fisheries” (with Julia Lajus, Peder Roberts and Urban Wråkberg), in: E. Carina H. Keskitalo (ed.), *The Politics of Arctic Resources: Change and Continuity in the “Old North” of Northern Europe*

- (“Transforming Environmental Politics and Policy”), New York, Routledge 2019, pp. 181-199.
- “Remote Sensing: Digital Data at a Distance” (with Nina Wormbs), in: Jocelyn Thorpe, Stephanie Rutherford and L. Anders Sandberg (eds.), *Methodological Challenges in Nature-Culture and Environmental History Research* (“Routledge Environmental Humanities”), London/New York, Routledge 2017, pp. 272-283.
- “Myths of Spatial Conquest: Air and Sea Between Obscurity and Enlightenment”, in: Katharina Hoffmann, Herbert Mehrtens and Silke Wenk (eds.), *Myths, Gender and the Military Conquest of Air and Sea*, Oldenburg, BIS-Verlag 2015, pp. 113-129.
- “Resilienz”, in: Sybille Bauriedl (ed.), *Wörterbuch Klimadebatte* (“Edition Kulturwissenschaft”), Bielefeld, transcript 2015, pp. 261-267.
- “Inventorier la Terre”, in: Kapil Raj and H. Otto Sibum (Eds.), *Modernité et globalisation (“Histoire des sciences et des savoirs” 2, ed. Dominique Pestre)*, Paris, Éditions du Seuil 2015, pp. 167-181. Reprinted as pocket book (Poche), Paris, Éditions Points 2019.
- “Wider den Umweltdeterminismus: Nachhaltigkeitsforschung qualifiziert sich durch Gender”, in: Christine Katz, Sebastian Heilmann, Anja Thiem, Lea M. Koch, Katharina Moths and Sabine Hofmeister (eds.), *Nachhaltigkeit anders denken – Veränderungspotenziale durch Geschlechterperspektiven*, Berlin/Heidelberg/Wiesbaden, Springer VS 2015, pp. 205-215.
- “‘The Real Problem of a Spaceship Is Its People’: Spaceship Earth as Ecological Science Fiction”, in: Gerry Canavan and Kim Stanley Robinson (eds.), *Green Planets: Ecology and Science Fiction*, Middletown, CT, Wesleyan University Press 2014, pp. 99-114.
- “Die akustische Erkundung der Tiefe. Vom Echolot zum Sonar”, in: Gerhard Paul and Ralph Schock (eds.), *Sound des Jahrhunderts. Geräusche, Töne, Stimmen 1889 bis heute*, Bonn, Bundeszentrale für Politische Bildung 2013, pp. 258-261.
- “Kommentar: Nachhaltigkeitsforschung und Geschlechterforschung: Parallele Welten?”, in: Sabine Hofmeister, Christine Katz and Tanja Mölders (eds.), *Geschlechterverhältnisse und Nachhaltigkeit. Die Kategorie ‘Geschlecht’ in den Nachhaltigkeitswissenschaften*, Leverkusen, Verlag Barbara Budrich 2013, pp. 169-174.
- “Towards a Global History of National Parks” (with Bernhard Gißbl and Patrick Kupper), introduction to *Civilizing Nature: National Parks in Global Historical Perspective*, Oxford/New York, Berghahn Books 2012, co-edited with Bernhard Gißbl and Patrick Kupper, pp. 1-27.
- “Erde”, in: *Eine Naturgeschichte für das 21. Jahrhundert. Hommage à, zu Ehren von, in honor of Hans-Jörg Rheinberger*, Berlin, Max-Planck-Institut für Wissenschaftsgeschichte 2011, pp. 18-19.
- “Epistemischer Raum: Labor und Wissensgeographie” (with Christine Hanke), in: *Raum: Ein interdisziplinäres Handbuch*, ed. Stephan Günzel, Stuttgart/Weimar, J. B. Metzler 2010, pp. 309-321.
- “Ballonfahrer und Meteorologen: Die Frühgeschichte der Luftfahrtforschung”, in: Helmuth Trischler and Kai-Uwe Schrogel (eds.), *Ein Jahrhundert im Flug – Luft- und Raumfahrtforschung in Deutschland, 1907-2007*, Frankfurt a. M., Campus 2007, pp. 31-50.
- “Raumschiff Erde, eine mythische Figur des Umweltzeitalters”, in: Sabine Höhler and Fred Luks (eds.), *Beam us up, Boulding! 40 Jahre “Raumschiff Erde”*, special issue on the 40th anniversary of Kenneth E. Boulding’s “The Economics of the Coming Spaceship Earth” (1966), *Vereinigung für Ökologische Ökonomie – Beiträge und Berichte* No. 7 (2006), pp. 43-52.
- “Kenneth Bouldings Raumschiff Erde – 40 Jahre danach” (with Fred Luks), in: Sabine Höhler and Fred Luks (eds.), *Beam us up, Boulding! 40 Jahre “Raumschiff Erde”*, special issue on the 40th anniversary of Kenneth E. Boulding’s “The Economics of the Coming Spaceship

- Earth" (1966), *Vereinigung für Ökologische Ökonomie – Beiträge und Berichte* No. 7 (2006), pp. 5-8.
- “‘Raumschiff Erde’: Lebensraumphantasien im Umweltzeitalter”, in: Iris Schröder and Sabine Höhler (eds.), *Welt-Räume: Geschichte, Geographie und Globalisierung seit 1900* (“Historische Studien” 39), Frankfurt a. M./New York, Campus 2005, pp. 258-281.
- “Welt-Räume: Annäherungen an eine Geschichte der Globalität im 20. Jahrhundert” (with Iris Schröder), in: Iris Schröder and Sabine Höhler (eds.), *Welt-Räume: Geschichte, Geographie und Globalisierung seit 1900* (“Historische Studien” 39), Frankfurt a. M./New York, Campus 2005, pp. 9-47.
- “Für eine Geschichte der Orte und Räume im globalen Zeitalter” (with Iris Schröder), in: Iris Schröder and Sabine Höhler (eds.), *Welt-Räume: Geschichte, Geographie und Globalisierung seit 1900* (“Historische Studien” 39), Frankfurt a. M./New York, Campus 2005, pp. 303-313.
- “Ein Platz an der Sonne: Ballonkultur um 1900 zwischen Luftfahrtmythologie und Luftraumwissenschaft”, in: *Luft*, ed. Kunst- und Ausstellungshalle der Bundesrepublik Deutschland, Bonn (Forum 12, “Elemente des Naturhaushalts” IV), Köln, Wienand 2003, pp. 386-396.
- “Dichte Beschreibungen”: Die Profilierung ozeanischer Tiefe im Lotverfahren von 1850 bis 1930”, in: David Gugerli and Barbara Orland (eds.), *Ganz normale Bilder. Historische Beiträge zur visuellen Herstellung von Selbstverständlichkeit* (“Interferenzen” 2), Zürich, Chronos 2002, pp. 19-46.
- “Psychrometer, Variometer, Barograph — Instrumente der Inszenierung von Luftfahrtwissenschaftlern um 1900”, in: Christoph Meinel (ed.), *Instrument — Experiment. Historische Studien*, Berlin/Diepholz, Verlag für Geschichte der Naturwissenschaften und der Technik 2000, pp. 325-335.
- “Heldengeschichten. Zum Verhältnis von Männlichkeit und wissenschaftlicher Objektivität am Beispiel der Aeronautischen Meteorologie um 1900”, in: Barbara Petersen and Bärbel Mauß (eds.), *Feministische Naturwissenschaftsforschung. Science und Fiction*, (Schriftenreihe NuT – Frauen in Naturwissenschaft und Technik e.V. 5), Mössingen-Talheim, Talheimer Verlag 1998, pp. 66-93.

Articles in Conference Proceedings

- “A Sound Survey: The Technological Perception of Ocean Depth, 1850–1930”, in: Mikael Hård, Andreas Lösch and Dirk Verdicchio (eds.), *Transforming Spaces. The Topological Turn in Technology Studies*. Online Publication of an International Conference held in Darmstadt, Germany, March 22-24, 2002.
- “Nation im Zeitalter technischer Repräsentierbarkeit: Das Zusammentreffen des Grafen von Zeppelin, seines Luftschiffes und des deutschen Volkes im ‘Wunder von Echterdingen’ 1908”, in: Astrid Epp, Niels C. Taubert and Andrea Westermann (eds.), *Technik und Identität*, Tagung vom 7.-8. Juni 2001 an der Universität Bielefeld (IWT-Papers 26), Institut für Wissenschafts- und Technikforschung, Bielefeld 2002, pp. 14-32.
- “Reisen an Ränder. Die Faszination der Grenze am Beispiel ozeanographischer Expeditionen des 19. Jahrhunderts”, in: *Fließende Grenzen. Dokumentation des 26. Kongresses von Frauen in Naturwissenschaft und Technik, 1. bis 4. Juni 2000 in Hamburg*, ed. Karin Kirschstein — Verein zur Förderung von Frauen in Naturwissenschaft und Technik e. V., Darmstadt, Frauen in der Technik FiT 2000, pp. 191-202.
- “Luftfahrtforschung und Luftfahrtmythos. Das Rätsel der wissenschaftlichen Ballonfahrt um 1900”, in: *Dokumentation des 25. Kongresses von Frauen in Naturwissenschaft und Technik, 13. bis 16. Mai 1999 in Darmstadt*, ed. Hypatia e. V., Verein zur Förderung von

- Frauen in Naturwissenschaft und Technik, Darmstadt, Frauen in der Technik FiT 1999, pp. 433-445.
- “Heldinnengeschichten. Die Re-Konstruktion von Geschlecht in Frauenbiographien am Beispiel der Pilotinnen zu Beginn des 20. Jahrhunderts”, in: *Dokumentation des 24. Kongresses von Frauen in Naturwissenschaft und Technik, 21. bis 24. Mai 1998 in Mainz*, ed. Vorbereitungsgruppe Mainz, Darmstadt, Frauen in der Technik FiT 1999, pp. 347-357.
- “Unbestimmte Grenzen. Konstruktion von Geschlecht — Dekonstruktion von Differenz?”, in: *Dokumentation des 23. Kongresses von Frauen in Naturwissenschaft und Technik, 8. bis 11. Mai 1997 in Hannover*, ed. Vorbereitungsgruppe Hannover, Darmstadt, Frauen in der Technik FiT 1998, pp. 213-221.

Reviews and Reports

- Sara B. Pritchard and Carl A. Zimring, *Technology and the Environment in History*, Baltimore, Johns Hopkins University Press 2020. Review in *Social History of Medicine* 35 (2022) 3, pp. 1031-1033. Published online 24 September 2021. <https://doi.org/10.1093/shm/hkab033>.
- “The Global Environment: A History of Paradoxes”, *H-Environment Roundtable Review* of Perrin Selcer, *The Postwar Origins of the Global Environment: How the United Nations Built Spaceship Earth*, New York, Columbia University Press 2018. *H-Environment Roundtable Review* 10 (2020) 11: 14-20 (<https://networks.h-net.org/system/files/contributed-files/env-roundtable-10-11.pdf>).
- “Grenzobjekte in der Diskussion: In memoriam Susan Leigh Star”. Sebastian Gießmann and Nadine Taha (eds.), *Grenzobjekte und Medienforschung: Susan Leigh Star*, Bielefeld, Transcript 2017, & Geoffrey C. Bowker, Stefan Timmermans, Adele E. Clarke and Ellen Balka (eds.), *Boundary Objects and Beyond: Working with Leigh Star*, London, The MIT Press 2015. Review in H-Soz-Kult, June 13, 2019.
- Maria Paula Diogo and Dirk van Laak, *Europeans Globalizing: Mapping, Exploiting, Exchanging*, Basingstoke/New York, Palgrave Macmillan 2016, in: *NPL Neue Politische Literatur* 63 (2018) 1: 70-72.
- Stephen J. Macekura, *Of Limits and Growth: The Rise of Global Sustainable Development in the Twentieth Century* (“Global and International History”), Cambridge, Cambridge University Press 2015. Review in H-Soz-Kult, June 3, 2016.
- “Of Boats and Beds”, *H-Environment Roundtable Review* of Thomas Robertson, *The Malthusian Moment: Global Population Growth and the Birth of American Environmentalism*, New Brunswick, Rutgers University Press 2012. *H-Environment Roundtable Review* 3 (2013) 3: 16-21 (<https://networks.h-net.org/system/files/contributed-files/env-roundtable-3-3.pdf>).
- Christian Kehrt, *Moderne Krieger. Die Technikerfahrung deutscher Luftwaffenpiloten 1910-1945*, Paderborn, Schöningh 2010. Review in *Technikgeschichte* 78 (2011) 4: 357-358.
- Siegfried Bodenmann and Susan Splinter (eds.), *Mythos – Helden – Symbole. Legitimation, Selbst- und Fremdwahrnehmung in der Geschichte der Naturwissenschaften, der Medizin und der Technik*, München, Martin Meidenbauer 2008. Review in *NTM* 19 (2011) 3: 345-347.
- Nature’s Accountability: Aggregation and Governmentality in the History of Sustainability, Washington, DC, October 9-11, 2008. Conference Report in H-Soz-u-Kult, December 2, 2008, <http://hsozkult.geschichte.hu-berlin.de>tagungsberichte/id=2385>.
- Ralph Jessen and Jakob Vogel (eds.), *Wissenschaft und Nation in der europäischen Geschichte*, Frankfurt a. M., Campus 2002. Review in H-Soz-u-Kult, June 13, 2003, <http://hsozkult.geschichte.hu-berlin.de/rezensionen/id=2695>. Printed in: *Historische Literatur. Rezensionszeitschrift von H-Soz-u-Kult (HistLit)* 1 (2003) 2: 424 ff.

David M. Lawrence, *Upheaval from the Abyss: Ocean Floor Mapping and the Earth Science Revolution*, New Brunswick, N. J., Rutgers University Press 2002. Review in *Technology and Culture* 44 (2003) 2: 435-437.

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Geschlechtergeschichte und Allgemeine Geschichte: Herausforderungen und Perspektiven. Mit Beiträgen von Karin Hausen, Lynn Hunt, Thomas Kühne, Gianna Pomata u. Helmut Puff ("Göttinger Gespräche zur Geschichtswissenschaft" 5), eds. Hans Medick and Anne-Charlott Trepp, Göttingen, Wallstein 1998. Review by Christina Brandt, Smilla Ebeling, Sabine Höhler, Iris Hübsch, Michael Hultsch, Bärbel Mauß and Bettina Wahrig-Schmidt for the mailing list "Medizingeschichte", 1999.

Contributions to Other Public Media

"Spaceship Earth: A Review of a Concept", in: *Objective: Earth. Designing Our Planet*, Lausanne, MUDAC Museum of Contemporary Design and Applied Arts 2023, pp. 112-125.

"To Monitor Is to Manage – Or Not? Which Data Do We Need to Reach the Environmental Sustainable Development Goals?" (with Adam Wickberg and Erik Ljungberg), in: AI, Sustainability and Agenda 2030, Report WASP-HS Community Reference Meeting, December 2023, pp. 6-7. <https://wasp-hs.org/new-report-on-ai-sustainability-and-agenda-2030/>

"Vi behöver en ny historiebeskrivning", Interview (in Swedish), Central Newspage KTH Royal Institute of Technology Stockholm, September 27, 2023. Online: <https://www.kth.se/om/nyheter/centrala-nyheter/vi-behoover-en-ny-historiebeskrivning-1.1281547>

"Shifting Baselines – Acclimatization as a Coping Strategy to Climate Change?" Blog Entry, Website Division of History of Science, Technology and Environment, KTH Royal Institute of Technology Stockholm, August 29, 2022.

"Alles ist relativ: Das Shifting Baseline Syndrome", Interview science magazine "Die Profis", Radioeins, rbb Rundfunk Berlin-Brandenburg, August 20, 2022.

"Die Umwelt wirkt auf uns zurück", *NZZ Geschichte* No. 40, May 2022, pp. 26-41.

In His Own Environment. En festschrift till Sverker Sörlin (co-edited with Nina Wormbs, Arne Kaijser, Mats Benner, and Marco Armiero), Stockholm, KTH Royal Institute of Technology, Division of History of Science, Technology and Environment 2021.

"El Niño 'The Boy' – Local Stories and Global Satellites in the Pacific Ocean", Video presentation, *Modeling the Pacific Ocean*, special issue of *media+environment* 3 (2021) 2, UC Press. Online: <https://doi.org/10.1525/001c.22184>.

"Spaceship Earth: From the Environmental Age to the Anthropocene, Part 2" – Podcast Episode (37 min). SHPERE – A Podcast on the Evolution of Global Environmental Governance, January 20, 2021. Online on Spotify: <https://open.spotify.com/episode/3EWk65rPAiB5K9wtlhUeR>

"Spaceship Earth: From the Environmental Age to the Anthropocene, Part 1" – Podcast Episode (42 min). SHPERE – A Podcast on the Evolution of Global Environmental Governance, December 16, 2020. Online on Spotify: <https://open.spotify.com/episode/30LGraGp6WK3Gk0VZiMGKX>

"Ecospheres: Model and Laboratory for Earth's Environment", *Technosphere Magazine*, Dossier "Spheres", HKW Haus der Kulturen der Welt Berlin, June 20, 2018. Online:

- <https://technosphere-magazine.hkw.de/p/Ecospheres-Model-and-Laboratory-for-Earths-Environment-qfrCXdpGUyenDt224wXyjV>
- “Mit Prognosen sind wir vorsichtig geworden”, Interview RiffReporter, June 6, 2018. Online: <https://www.riffreporter.de/zukunftsreporter/interview-hoehler-prognosen/>
- Introduction Stories and Seeds Film Forum: “Wall-E”, Public Filmseries KTH Environmental Humanities Laboratory, KTH Royal Institute of Technology Library, April 18, 2018.
- Interview on the 50th anniversary of Paul Ehrlich’s book “The Population Bomb” (1968), *Stuttgarter Zeitung*, January 27, 2018.
- “Der Riss im Rücken – Wie Marie Tharp die felsenfeste Welt der Geologen ins Wanken brachte” – Interview SWR2 Feature am Sonntag, June 18, 2017.
- “Imagining the Possible”, Online-Talkshow “Crosstalks”, Stockholm University/KTH Royal Institute of Technology, December 17, 2015.
- “1991 / 2027”, Interview on manned space-travel to Mars and Biosphere 2. Inhabitants. An online channel for exploratory video and documentary reporting. Special Series “The Anthropocene Issue”, December 2015. Online: http://inhabitants-tv.org/dec2015_specialseries_theanthropoceneissue.html
- “Les Grands Entretiens”, Video Interview on the Anthropocene Campus at HKW in Berlin 2014. Portail des Humanités Environnementales 2014. Online: <http://humanitesenvironnementales.fr/fr/les-ressources/les-grands-entretiens?page=5#prettyPhoto>
- “Effects sin films, musica e sociedad”, Interview in Series “1969: Americans sa tschentan sin la glina” (40 Years of Landing on the Moon), RTR Radio e Televisiun Rumantscha, Switzerland, July 19, 2009.
- “Heldinnengeschichten. Die Re-Konstruktion von Geschlecht in Frauenbiografien am Beispiel der Pilotinnen zu Beginn des 20. Jahrhunderts”, *Koryphäe* No. 42, November 2007, pp. 22-27.
- “Reisen an Ränder. Die Faszination der Grenze am Beispiel ozeanographischer Expeditionen des 19. Jahrhunderts”, *Koryphäe* No. 35, May 2004, pp. 15-19.
- Flut-/Katastrophen, Interview *Logo – Das Wissenschaftsmagazin*, special topic environment, NDR Info, August 23, 2002.
- “Kongruenzen — Divergenzen. Perspektiven der Frauenförderung in der Hochschulentwicklung”, *Frauenbüro*. Zeitschrift des Frauenbüros der TU Braunschweig, No. 3, October 1999, pp. 16-19.

Working Papers

- “Die Deutung von Nachhaltigkeit in Wissenschaft und Politik und ihre Implikationen für die europäische Stadt- und Regionalentwicklung” (with Sybille Bauriedl, Fred Luks, Delia Schindler and Matthias Winkler), *NEDS-Working Paper* No. 7, 6/2007, Hamburg, NEDS.
- “Die ökonomische Konstruktion ökologischer Wirklichkeit: Vorarbeiten, Thesen und Konkretisierungen zum Expertendiskurs der ‘Nachhaltigen Entwicklung’” (with Fred Luks), *NEDS-Working Paper* No. 5, 2004, Hamburg, NEDS.
- “Nachhaltige Entwicklung zwischen Durchsatz und Symbolik: Analyse wissenschaftlicher Evidenzproduktion und regionale Bezüge” (with Fred Luks, Sybille Bauriedl, Delia Schindler and Matthias Winkler), *NEDS-Working Paper* No. 3, 5/2003, Hamburg, NEDS.

Publications in Preparation/in Press

“Travelling Tales of Modern Green Nations: Sociotechnical Imaginaries of Wind Energy in Denmark and Taiwan” (with Thomas Harbøll Schrøder, first author), *Energy Research & Social Science* (reviewed and revised, under final review).

Presentations

Conference Papers and Keynotes

- “The Pacific Blob: Ocean Warming, Datafied and Storified”, paper in panel series “Datafying the Environment, Environmentalizing Data” (coorganized with Gemma Cirac-Claveras), 11th Tensions of Europe Conference, European University Viadrina, Frankfurt/Oder, September 19-21, 2024 (in preparation).
- “Introduction: Critique or Action, History or Activism?” (with Christina Wessely), roundtable “Critique or Action, History or Activism? Exploring the Role of Environmental History in the Environmental Crisis” (coorganized with Christina Wessely), WCEH World Congress of Environmental History, Oulu, Finland, August 19-23, 2024 (in preparation).
- “An Ocean of Data: Informing Ocean Heating in the Anthropocene?”, paper in panel “Anthropocene History” (coorganized with Adam Wickberg), TVHD Teknik och vetenskapshistoriska dagarna / History of Science and Technology Days 2024, Stockholm, June 12-14 (in preparation).
- “Histories of the Recent Future: Technology and Anthropocenic Time”, invited presentation, workshop “Interdisciplinary Perspectives on ‘Technology Futures’”, Institute of Technology Futures (ITZ) and Institute for Technology Assessment and Systems Analysis (ITAS), KIT Karlsruhe Institute of Technology, March 14-15, 2024.
- “Anthropocene History”, invited presentation, research colloquium Department of History of Science and Ideas, Uppsala University, January 18, 2024.
- “Anthropocene History”, KTH Sustainability Day 2023, KTH Royal Institute of Technology Stockholm, November 23, 2023.
- “Anthropocene History”, invited presentation, research colloquium Interdisciplinary Centre for Science and Technology Studies (IZWT), Bergische Universität Wuppertal, November 15, 2023.
- “Anthropocene History”, contribution nominated by Sweden. DHST Global History of Science and Technology Festival 2023, “The Future of History of Science and Technology / History of Science and Technology for the Future”, online event, September 28-30, 2023 (in preparation).
- “Baseline Truths Beyond the Map: Global Environmental Change in the Bathymetric Model of the World’s Oceans”, workshop “Historical Epistemologies of Planetary Modelling”, Max Planck Institute for the History of Science Berlin, June 8-9, 2023.
- “Anthropozängeschichte”, invited contribution, workshop “Perspektiven einer Geschichte ökologischen Wissens”, Leuphana University Lüneburg, March 22-23, 2023.
- “An Ocean of Data: Oceanic Knowledge Architectures from Sounding to Sensing”, invited paper, seminar “Maritime Modernities: Formats of Oceanic Knowledge”, University of Oslo, March 14, 2023.
- “Climate is a Scaling Exercise”, invited paper, panel “Histories of Climate Change: Place-Based Approaches from European History” (Central European History Society Presidential Panel, organised by Astrid M. Eckert), AHA American Historical Association Meeting, Philadelphia, USA, January 5-8, 2023.

“It could have been otherwise: STS as a Historical Project”, paper in the joint STS seminar series of Gothenburg University and Chalmers University of Technology Gothenburg, Sweden, October 7, 2022.

“Interdisciplinary Perspectives on ‘Technology Futures’”

Statement, Online-Workshop at Karlsruhe Institute of Technology (KIT), Institute of Technology Futures (ITZ) and Institute for Technology Assessment and Systems Analysis (ITAS), September 16, 2022.

“The Metrics of the Anthropocene” (with Ariane Tanner), paper in session “Historicizing Global Environmental Governance: Environmental Objects and Institutional Responses” (convenor Sverker Sörlin), European Society for Environmental History (ESEH), University of Bristol, July 4-8, 2022.

“The Elephant in the Room. Mediations of a Heating Ocean in Times of Global Climate Change”, paper at the workshop “The Mediated Ocean: A Cross-disciplinary Workshop on Marine Data and Policy”, KTH Royal Institute of Technology, Stockholm, Sweden, May 10-11, 2022.

“The Numbers and Metrics of Environmental Governance”, paper in panel “Making the Environment Governable: Towards a History of Global Environmental Governance” (organised by Eric Paglia), ASEH American Society for Environmental History Conference, Eugene, Oregon, USA, March 23-27, 2022. Delivered at the Virtual ASEH 2022 conference, April 8-10, 2022.

“The Ocean’s ‘Digital Twin’? Marine Environmental Data Through Time” (with Susanna Lidström and Tirza Meyer), invited presentation, #frAlday online seminar series, Umeå University, February 25, 2022.

“The Pacific Blob”, paper at conference “Streams: Transformative Environmental Humanities”, International Environmental Humanities Conference hosted by KTH Environmental Humanities Laboratory, KTH Royal Institute of Technology Stockholm, August 3-6, 2020.

“The Metrics of the Anthropocene” (with Ariane Tanner), Workshop “Toolbox of Environmental Governance: Numbers, Metrics, and Acronyms”, KTH Royal Institute of Technology Stockholm, December 2-4, 2020.

“The Pacific Blob”, paper accepted for the conference “Streams: Transformative Environmental Humanities”, International Environmental Humanities Conference hosted by KTH Environmental Humanities Laboratory, KTH Royal Institute of Technology Stockholm, August 5-8, 2020 (postponed to 2021, due to Covid-19 pandemic).

“Ecospheres: Life and Environment ex natura”, invited paper presentation, seminar series “Origin and Condition of Appearance of Life”, Observatoire de Paris, June 3, 2020 (postponed, due to Covid-19 pandemic).

“Geo-Anthropology is Humanities by Other Means. Considering Contingency and Accountability on the Planetary Scale”, invited presentation, symposium “Geoanthropology: Comprehending the Human-Earth System”. A search symposium held by the cross-sectional core commission “Max Planck Institute for Geoanthropology”, Berlin, December 15-17, 2019.

“Wider besseres Wissen? – Provokationen des Anthropozäns”, invited kick-off presentation at the conference “Aufbruch in die Gegenwart. Die sozial-ökologische Zukunft heute gestalten”, ISOE – Institut für sozial-ökologische Forschung, Frankfurt a. M., November 28, 2019.

“Mapping El Niño: Local Stories and Global Satellite Images in the Pacific Ocean”, invited presentation, Colloquium Gotha Research Centre of the University of Erfurt, November 21, 2019.

“Climate Change in the Laboratory: Plant Engineering and the Scaling of Growth Efficiency”, paper in session “Changing Climates: Technological Optimism Revisited” (organised by

- Sabine Höhler), SHOT Society for the History of Technology Annual Meeting, Milan, Italy, October 24-27, 2019.
- “El Niño ‘The Boy’ – Local Stories and Global Satellites in the Pacific Ocean”, invited paper, interdisciplinary conference “Modeling the Pacific: Oceanic Research in Science, Technology and Humanities” at UCSB Santa Barbara, CA, October 10-12, 2019.
- “Att leva på Mars: Vetenskapen och fiktionen om terraforming och jordens framtid”, book project presentation in Swedish at Gothenburg Book Fair, “Forskartorget” of Foundation Riksbankens Jubileumsfonds, September 29, 2019.
- “Climate Change in the Laboratory: Plant Engineering in the 1960s”, paper in panel “Imaginations of Efficiency: Human-Plant Relations in Climate Engineering” (organised by Ariane Tanner), ESEH European Society for Environmental History Conference, Tallinn, Estonia, August 21-25, 2019.
- “Environments ex situ: Repositories for Environmental Governance, 1960-2018”, paper in session “The Rise of Global Environmental Governance” (organised by Eric Paglia), 3rd World Congress of Environmental History, Florianopolis, Brazil, July 22-26, 2019.
- “Ökosphären. Leben und Umwelt ex natura”, invited paper presentation, History of Science seminar, Leopoldina Center for Science Studies, German National Academy of Sciences Leopoldina, Halle, July 2, 2019.
- “‘A Sea of Governance Challenges’: Ocean Environments and Territorial Regimes since 1970”, invited paper presentation, workshop “Laws of Nature: Defining and Bounding in Environmental Governance”, University of Cambridge, UK, June 3-4, 2019.
- “Local Experience and Global Knowledge: Satellite Translations of El Niño”, paper in session “On the Merits and Problems with Scaling: Satellite Remote Sensing and Global Environmental Perception” (organised by Johan Gärdebo), Teknik- och vetenskapshistoriska dagarna, Kiruna, Sweden, March 27-29, 2019.
- “Ecosphere”, Pecha Kucha Presentation, Conference “Crafting the Long Tomorrow: New Conversations & Productive Catalysts Across Science and Humanities Boundaries as the Global Emergency Worsens”, Biosphere 2, Tucson, Arizona, February 21-24, 2019.
- “Ecospheres: Life and Environment ex natura”, invited paper presentation, research seminar at Department of History of Science and Ideas, Uppsala University, February 19, 2019.
- “Plant Engineering and Visions of Forest Design in Sweden in the 1960s”, paper in session “Science, Techno-Science and Sustainability in Scandinavia” (organised by Peder Anker), The 7th Norwegian Conference on the History of Science, Oslo, Norwegian Museum of Science and Technology, November 15-16, 2018.
- “Ökosphären. Leben und Umwelt ex natura”, invited keynote lecture, Annual Meeting Gesellschaft für die Geschichte der Wissenschaften, der Medizin und der Technik (GWMT), conference theme “Wissen und Umwelt”, Ruhr Universität Bochum, September 12-14, 2018.
- “Terraforming: Technoscience and Environment in Experimenting with Earth”, paper at the conference “The Right Use of the Earth. International Conference on Knowledge, Power and Duties in a Finite Planet / Le bon usage de la Terre. Conférence internationale sur savoirs, pouvoirs et devoirs sur une planète finie”, Paris, École normale supérieure, May 29 to June 1, 2018.
- “From Life to Life Support: The Environmental Life Support System on Earth and Beyond since the 1960s”, invited keynote lecture, conference “Life on Earth and Beyond: Emergence, Survivability, and Impact on the Environment”, Bertinoro, Italy, March 19-23, 2018.
- “‘Transformative Humanities’: Gestaltungspotenziale der Geisteswissenschaften am Beispiel der Klimaforschung”, invited paper presentation Forschungskolloquium Institut für Geschichte / Institut für Technikzukünfte, Karlsruhe Institute of Technology (KIT), Karlsruhe, November 27, 2017.

- “Utveckling och dynamik i marina system”, paper at Symposium Mistra Arctic Sustainable Development: “Vad kom vi fram till?”, Nordic Museum, Stockholm, November 17, 2017.
- “‘Spaceship Earth’: Envisioning the Human Habitat in the Environmental Age”, paper at “Campus 100” Seminar Marathon on occasion of the 100th Campus Anniversary, KTH Royal Institute of Technology, Stockholm, October 18, 2017.
- “Two Degrees. Climate Dynamics in Aggregate”, paper at ESEH European Society for Environmental History Conference, Session “Historicizing Earth Dynamics: How Geology, Ecology and Climatology Have Coped with a Lively Planet”, Zagreb, Croatia, June 28 to July 2, 2017.
- “Marine Governance: Oceanic Resources and Environment in the European Arctic”, paper at Ninth International Congress of Arctic Social Science (ICASS IX), Umeå University, June 8-12, 2017.
- “Terraforming. Technik und Umwelt im Experiment mit der Erde”, invited keynote lecture at Annual Conference of the GTG Gesellschaft für Technikgeschichte, conference theme “Technisierte Umwelten”, Braunschweig Technical University, May 19-21, 2017.
- “Infinite Variety Circumscribed: A Dialogue between John Ray’s Wisdom of God and John Allen’s Biosphere 2” (with Anna Svensson), paper at conference “Biodiversity and its Histories”, University of Cambridge, Centre for Research in the Arts, Social Sciences, and Humanities, March 24-25, 2017.
- “Smart, Compact, Sustainable? Challenging the Techno-Ecological Model City as a Global Solution for Urban Sustainability”, paper at conference “(Re-)imagining Future(s): Ecology, Emancipation and the Built Environment”, SNU Shiv Nadar University, New Delhi, India, September 22-23, 2016.
- “Two Degrees: A Global Climate Accord and its Disparities”, paper at workshop “Creative Commensuration: Histories of Scaling in Science and Society”, Center History of Knowledge, Zurich, July 7-8, 2016.
- “Local Weather Event, Global Climate Condition: Satellite Translations of El Niño”, paper in session “Re-Inventing the Human Scale: Science, Technology and Global Climate Change”, SHOT Society for the History of Technology Annual Meeting, Singapore, June 22-26, 2016.
- “Turning Point oder Tipping Point? Die Zwei-Grad-Grenze im Klimadiskurs”, invited paper presentation, Global Challenges Ringvorlesung “Planetary Boundaries”, TU Darmstadt, June 7, 2016.
- “Die Zahl Zwei als globaler Leitwert und Grenzwert in der Klimadebatte”, invited paper at conference “Geschichte und Soziologie globaler Zahlen”, University of Luzern, May 26-28, 2016.
- “Local Disruption or Global Condition? Satellite Stories of El Niño”, paper at Swedish STS Conference 2016, Lund University, Campus Helsingborg, May 19-20, 2016.
- “Local Disruption or Global Condition? The Satellite View of El Niño”, invited paper at workshop “La coopération spatiale du global au national: enjeux, échelles et éléments de comparaison”, Centre Alexandre Koyré CNRS, EHESS, MNHN, Paris, April 20, 2016.
- “Local Disruption, Global Condition: El Niño as Weather and as Climate Phenomenon”, invited paper presentation at workshop “Experiencing the Global Environment”, Max Planck Institute for the History of Science Berlin, February 4-6, 2016.
- “Edens, Arks and Spaceships: Visions of Whole Earth since the Environmental Revolution”, invited KTH Lunch Lecture on occasion of the photo exhibit “Whole Earth?”, Stockholm, November 10, 2015.
- “From Extreme Experience to Climate Engine: The Satellite Story of El Niño”, paper in session “Satellite Stories: Remote Sensing Technology’s Claims on Earthly Environments”, 7. Tensions of Europe Conference “Technology and Environment”, Stockholm, September 3-6, 2015.

- “From Exceptional to Periodic: Southern Oscillation Satellite Data between Climate Change and Predictability”, invited paper presentation at conference “Dealing with Climate Change: Calculus & Catastrophe in the Age of Simulation”, Leuphana University Lüneburg, June 25-26, 2015.
- “Top Skin Data and Model Images: El Niño as Seen by Satellite Oceanography”, paper at workshop “The Making of Earth Imagery – On the History of Space Technology and Environmental Perceptions”. KTH Royal Institute of Technology Stockholm, June 11, 2015.
- “From Life to Life Support: Ecotechnological Futures in Space”, paper at symposium “Im/mortality and In/finitude in the Anthropocene”, EHL Environmental Humanities Laboratory at KTH Royal Institute of Technology Stockholm, December 2-4, 2014.
- “‘Spaceship Earth’: Sufficiency and Efficiency Ideals Prior to the Sustainability Debate”, paper at “Environmental Humanities & New Ecologies in the 21st Century”, Roundtable Meeting SNU Shiv Nadar University, New Delhi, and KTH Royal Institute of Technology Stockholm. Shiv Nadar University, New Delhi, India, September 29, 2014.
- “‘Total Life Support’: Systems Stability and Visions of Sustainability in Space”, paper at session “Science and Science Fiction of Biomass. A Film Session” (organized by Ariane Tanner and Sabine Höhler), WCEH World Congress of Environmental History, Guimarães, Portugal, July 8-12, 2014.
- “From Biodiversity to Biodiversification: The New Economy of Nature”, invited paper presentation at Research Seminar Center for Science Studies, University of Aarhus, Denmark, December 2, 2013.
- “Stress und Resilienz: Modelle der Leidens- und Leistungsfähigkeit um 1970 zwischen Erholung und Selbstoptimierung”, invited paper presentation at Research Colloquium ZZF Zentrum für Zeithistorische Forschung Potsdam, November 7, 2013.
- “Coexistence: Feeding Humans into the Biospheric Cycle”, paper in session “Biomass: Metabolizing Living Matter, 1960s to 1980s” (organized by Ariane Tanner), ESEH European Society for Environmental History Conference “Circulating Natures: Water – Food – Energy”, Munich, August 20-24, 2013.
- “Rebuilding Spaceship Earth: Sufficiency and Efficiency in the Quest for Environmental Sustainability”, paper symposium “Space at work: space programmes, the environment and nuclear technology”, ICHSTM 24th International Congress of History of Science, Technology and Medicine, Manchester, July 22-28, 2013.
- “Von Biodiversität zur Biodiversifizierung”, invited paper presentation Global Challenges colloquium “Ware Wissenschaft: Ökonomisches Denken im Forschungsprozess”, Darmstadt University of Technology, June 24, 2013.
- “Managing Nature’s Portfolio: Risk, Diversity and Performance in the New Ecosystem Economy”, invited paper presentation Research Seminar History of Science and Ideas, Umeå University, May 21, 2013.
- “Biodiversification – A New Economy of Nature?”, paper at The History of Technology and Science Days, Umeå University, March 20-22, 2013.
- “Natur als Dienstleisterin. Zur ökologischen Flexibilisierung um 1970”, invited paper, conference “Leben wir in einer ökologisch modernisierten Gesellschaft? Historisierung eines soziologischen Konzepts”, Freiburg University, February 28 – March 1, 2013.
- “How to Shape a Post-Disciplinary Environment?” (with Sverker Sörlin), invited presentation of the KTH Environmental Humanities Laboratory in the Anthropocenic Research Forum, Conference “The Anthropocene-Project. An Opening”, Berlin, Haus der Kulturen der Welt, January 10-13, 2013.
- “Wider den Umweltdeterminismus: Nachhaltigkeitsforschung qualifiziert sich durch Gender”, invited paper at conference “Gender trifft Nachhaltigkeit – Nachhaltigkeit braucht Gender. Kompetenzen und Stand der Forschung im Themenfeld Geschlechterverhältnisse

- und Nachhaltige Entwicklung”, invited paper Umweltforum Berlin, December 10-11, 2012.
- “Der kreative Kollaps: Resilienz als Überlebensmodell in Zeiten der Flexibilisierung. Das Beispiel der Ökosystemforschung”, invited paper at conference “Sollbruchstelle. Medien und Geschichten kontrollierter Ver/un/sicherungen”, Graduate School “Mediale Historiographien”, Weimar, November 29 to December 1, 2012.
- “Biodiversifizierung: Eine Neue Ökonomie der Natur?”, paper in session “Rechnen mit der Natur: Ökonomische Kalküle um Ressourcen” (co-organized with Lea Haller and Andrea Westermann), 95. Annual Meeting Wissenschaft und Ökonomie” of the Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V., Mainz, September 28-30, 2012.
- “Exterritoriale Ressourcen: Die Diskussion um die Meere, die Pole und das Weltall um 1970”, paper in session “Global Commons – Anspruch und Legitimation der ‘Gemeingüter’ als Erbe der Menschheit nach dem Zweiten Weltkrieg”, 49. Deutscher Historikertag, Mainz, September 25-28, 2012.
- “Stress und Resilienz der Ökosysteme. Konzepte einer Dienstleistungsökologie seit den 1970er Jahren”, paper at workshop “Stress in der Leistungsgesellschaft: Flexible Systeme zwischen Erholung und Kollaps”, ETH Zurich, March 8-10, 2012.
- “Spaceship Earth: Envisioning Human Habitats in the Environmental Age, 1960-1990”, invited paper presentation Research Seminar of the Department of History of Science and Ideas, Uppsala University, February 21, 2012.
- “Taking Stock of the Earth”, paper at Authors’ Workshop “History of Modern Sciences, 1770-1914” (“Les sciences et la modernité” Vol. 2, Paris: Le Seuil 2013), Uppsala University, February 9-11, 2012.
- “Biodiversification: Service Ecology’s Economy”, paper workshop “Data – Difference – Diversity: Technologies of Differentiation in the Life Sciences” (co-organized with Susanne Bauer and Christine Hanke), Max Planck Institute for the History of Science, Berlin, November 24-26, 2011.
- “Life Support: Technology and Environment in the Age of the System”, paper in the Higher Seminar of the Division of History of Science and Technology, KTH Royal Institute of Technology, Stockholm, November 14, 2011.
- “The Ark and the Spaceship: Fears of Ecocide and Figures of Survival”, paper at ASLE-UK/EASLCE joint conference “Environmental Change – Cultural Change”, Faculty of Humanities and Social Sciences / Department of European Studies and Modern Languages, University of Bath, UK, September 1-4, 2010.
- “‘Raumschiff Erde’: Lebensraumphantasien im Umweltzeitalter”, invited paper presentation, Colloquium at the Chair for Economic, Social and Environmental History, Albert-Ludwigs-University of Freiburg, July 1, 2010.
- “Population Growth and Decline in the Late Twentieth Century: Reflections on Two Related Cultures of Fear”, invited paper at workshop “Family, Health, and Reproduction”, Södertörn University College, Sigtuna, Sweden, May 24-25, 2010.
- “A Model of Sustainability? Systems Integrity and Society in Biosphere 2”, paper at international conference “Modeling Spaces – Modifying Societies”, Darmstadt Technical University/Fraunhofer Institute for Computer Graphics Research (IGD), Darmstadt, October 7-9, 2009.
- “Natur in Reserve: Die Kreation der Biosphäre 2”, paper at joint conference “Technik und die Wiederkehr der Natur. Zur Ästhetik der schöpferischen Zerstörung”, section science and technology studies and section environmental sociology of the Deutsche Gesellschaft für Soziologie (DGS), Helmholtz-Zentrum für Umweltforschung – UFZ, Leipzig, June 18-19, 2009.

- “‘Raumschiff Erde’: Lebensraumphantasien im Umweltzeitalter, 1960-1990”, paper Colloquium Modern History, Technical University of Darmstadt, May 5, 2009.
- “Myth and the Conquest of Space: Air and Sea”, invited paper, British-German Conference “Myths, Gender, and the Military Conquest of Air and Sea”, University of Oldenburg, April 22-25, 2009.
- “‘Raumschiff Erde’: Lebensraumphantasien im Umweltzeitalter”, paper Research Colloquium History of Technology, ETH Zurich, March 10, 2009.
- “Life Support: Die Experimentalisierung des Lebensraums im All”, invited paper Workshop “Überleben”, Zentrum für Literatur- und Kulturforschung (ZfL), Berlin, December 12-13, 2008.
- “‘Raumschiff Erde’: Lebensraumphantasien im Umweltzeitalter”, invited paper University of Regensburg, research seminar Departments History of Science/Media Science, November 25, 2008.
- “Life Support: Die Experimentalisierung des Lebensraums im All”, paper AG “Objektforschung”, Deutsches Museum, Munich, October 28, 2008.
- “Natur im Ausnahmezustand: Über Leben in der Zweiten Biosphäre”, paper in session “Inland Empires – Kolonialisierungsprojekte in einer postkolonialen Welt, 1960-1990” (organized by Sabine Höhler and Sven Mesinovic), 91. Annual Meeting of the Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V., Darmstadt, September 26-28, 2008.
- “Figuring Survival: Cultural Plots of the Ship”, “Figuren des Wissens / Figurations of Knowledge”, paper at the European Conference of the Society for Literature, Science, and the Arts (SLSA), Zentrum für Literatur- und Kulturforschung, Berlin, June 3-7, 2008.
- “Spaceship Earth’: Envisioning Human Habitats in the Environmental Age”, paper at the 16th Annual Symposium of the Friends of the German Historical Institute, German Historical Institute, Washington, DC, November 16, 2007.
- “Spaceship Earth’: Imagining Environment in the Age of Ecology”, paper HSS History of Science Society Annual Meeting, Washington, DC, November 1-4, 2007.
- “Biosphere Reserves: Environment in the Age of its Technoscientific Reproduction”, paper in the Session “Blurring the Boundaries between the Natural and the Unnatural” (organized by Finn Arne Jørgensen), SHOT Annual Meeting, Washington, DC, October 17-21, 2007.
- “‘Raumschiff Erde’: Lebensraumphantasien im Umweltzeitalter”, paper Naturwissenschaftlich-Philosophisches Kolloquium “Kultur und Raumfahrt,” Braunschweig Technical University, Braunschweigisches Landesmuseum, April 5, 2007.
- “Human Surplus: Population Accounts in the Environmental Age”, paper in the session “Capital and Aggregate Forms of Life” (organized by Sabine Höhler and Michelle Murphy), Society for Social Studies of Science (4S) Annual Meeting, Vancouver, November 2-4, 2006.
- “Zwischen Indikation und Simulation: Bemerkungen zum Umweltraum aus wissenschaftshistorischer Perspektive” (with Rafael Ziegler), paper Workshop “Raum ohne Hüter? Nachhaltigkeit und Verantwortung im Konzept des Umweltraums”, Heinrich Böll Foundation, Berlin, October 9, 2006.
- “Reconstructing Discourses of Nature in Metropolitan Hamburg” (with Sybille Bauriedl), paper in the session “In Search of the Urban Pastoral: Nature, Ideology and the Modern Metropolis” (organized by Michael Flitner and Matthew Gandy), Royal Geographical Society/IBG Annual International Conference, London, August 30 to September 1, 2006.
- “Ballonfahrer und Meteorologen: Die Frühgeschichte der Luftfahrtforschung”, invited paper, authors’ workshop “Luft- und Raumfahrt in Deutschland”, Deutsches Museum, Munich, February 1-2, 2006.
- “Spaceship Earth: Myth as a Theme in Environmental History”, paper in the session “Myths in the History of Science, Technology, and the Environment: Stories of Magic and

- Momentum”, Joint Annual Meeting of the Society for the History of Technology (SHOT) and the History of Science Society (HSS), Minneapolis, USA, November 3-6, 2005.
- “A Law of Growth: The Logistic Equation and the ‘Population Explosion’ after World War II”, paper in the session “Normalizing by Images – Imaging Normalization”, International Conference “Technological and Aesthetic (Trans)Formations of Society”, Darmstadt Technical University, October 12-14, 2005.
- “‘Raumschiff Erde’: Lebensraumphantasien im Umweltzeitalter”, paper NEDS-Research Colloquium, HWP – Hamburg University of Economics and Politics, February 16, 2005.
- “‘Science Wars’: Streiten für die Wissenschaften der Zukunft”, invited paper, conference of the Heinrich Böll Foundation “Innovation und Reform an der Hochschule: Zur Zukunft der Geisteswissenschaften”, Berlin, September 30, 2004.
- “Geschlechterforschung ist Wissenschaftsforschung: Was die Wissenschaftsgeschichte von der Geschlechtergeschichte lernen kann”, Introduction to the Session “Wissenschaftsgeschichte als Geschlechtergeschichte”, 87. Annual Meeting of the Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V., Mainz, September 24-27, 2004.
- “‘Carrying Capacity’ – the Moral Economy of the ‘Coming Spaceship Earth’”, 4S & EASST Meeting, Paris, August 25-28, 2004.
- “Transdisziplinarität als neues Weltbild? Ein Praxisbericht” (with Fred Luks), paper Vereinigung für Ökologische Ökonomie (VÖÖ), Annual Meeting, conference theme “Ökologische Ökonomie: eine neue Wissenschaft?”, Heidelberg, May 6-8, 2004.
- “Zwischen ‘Raumschiff Erde’ und ‘System Erde’: Umweltwissenschaftliche Konstruktionen des globalen Lebensraumes im späten 20. Jahrhundert”, paper Authors’ Workshop “Räume der Globalisierung im späten 19. und 20. Jahrhundert”, Max Planck Institute for the History of Science, Berlin, November 20-22, 2003.
- “Black Boxing the Biosphere. Technologies of Environmental Closure in the late 20th Century”, paper Society for Social Studies of Science (4S), Annual Meeting, Atlanta, USA, October 16-18, 2003.
- “Black Box Biosphäre. Die Funktionalisierung der Umwelt im 20. Jahrhundert”, paper Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V., Annual Meeting: “Technisierungen”, Freiberg, September 26-29, 2003.
- “Doing Nature: River Elbe under Discursive Construction” (with Sybille Bauriedl), paper International Conference “Does Discourse Matter? Power, Discourse and Institutions in the Sustainability Transition”, Hamburg, July 11-13, 2003.
- “A Sound Survey: The Oceanographical Advance into the Deep in Weimar Germany”, History of Science Society Annual Meeting, paper in Session “Crossing Borders, Claiming Space: Modern Geoscientific Exploration and the Construction of Place”, Milwaukee, USA, November 7-10, 2002.
- “Ein Platz an der Sonne: Ballonkultur um 1900 zwischen Luftfahrtmythologie und Luftraumwissenschaft”, invited paper presentation Conference “LUFT”, Kunst- und Ausstellungshalle der Bundesrepublik Deutschland, Bonn, October 24-26, 2002.
- “Raumordnung und Orientierungswissen. Geographie im Zeitalter der Territorialität, 1820-1970” (with Iris Schröder), invited paper presentation Colloquium Modern History, Department of History, Braunschweig Technical University, May 29, 2002.
- “A Sound Survey: Technological Perceptions of Ocean Depth”, paper International Conference “Transforming Spaces: The Topological Turn in Technology Studies”, Darmstadt, Germany, March 22-24, 2002.
- “Thoroughness in Times of Need: The Oceanographical Advance into the Deep in Weimar Germany”, paper American Historical Association Annual Meeting, San Francisco, USA, January 3-6, 2002.

- “Grund und Gründlichkeit: Territorien der Deutschen Atlantischen Expedition (1925-1927) der Notgemeinschaft Deutscher Wissenschaft”, invited paper presentation Colloquium Modern History, Department of History, Braunschweig Technical University, December 12, 2001.
- “‘Dichte Beschreibungen’: Instrumente ozeanischer Tiefenprofilierung, 1850-1930”, invited paper presentation History of Science Colloquium, Institute for the History of Science, Göttingen University, November 20, 2001.
- “Floating Pieces, Deep Sea, Full Measure: Spatial Relations in Oceanography as a ‘Field Science’”, paper Society for Social Studies of Science, Annual Meeting, Cambridge, Mass., USA, October 31 to November 5, 2001.
- “Profilgewinn. Die Deutsche Atlantische Expedition (1925-1927) der Notgemeinschaft Deutscher Wissenschaft”, paper in session “Geschichte der Geographie”, 53. Deutscher Geographentag, Leipzig, September 29 to October 5, 2001.
- “Profilgewinn. Bilder der Deutschen Atlantischen Expedition (1925-1927) der Notgemeinschaft Deutscher Wissenschaft”, paper Centennial Meeting of the Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V.: “Konjunkturen und Perspektiven der Medizin-, Wissenschafts- und Technikgeschichte”, Hamburg, September 28 to October 1, 2001.
- “‘Boundary Nature’ under Construction: Technological and Political Assertions of Ocean Depth, 1850-1930”, invited paper in workshop: “‘Boundaries Work’ – Setting and Crossing Boundaries in (the History of) Science and Technology”, Lausanne Summer School “Knowledge in Plural Context: Science, Technology, and Society Studies in Switzerland”, Lausanne, Switzerland, September 11-14, 2001.
- “Nation im Zeitalter technischer Repräsentierbarkeit. Das Zusammentreffen des Grafen von Zeppelin, seines Luftschiffes und des deutschen Volkes im ‘Wunder von Echterdingen’ 1908”, invited paper presentation in workshop “Technik und Identität”, Graduiertenkolleg “Genese, Strukturen und Folgen von Wissenschaft und Technik”, Bielefeld University, June 7-8, 2001.
- “Deutsche ‘Gründlichkeit’ in deutscher ‘Not’. Grundlagenforschung als Grundlagenbildung in der Weimarer Republik: Das Beispiel der Deutschen Atlantischen Expedition (1925-1927)”, paper wissen_schaf(f)t widerstand: 27. Kongress von Frauen in Naturwissenschaft und Technik, Vienna, Austria, May 24-27, 2001.
- “Die Faszination des Marginalen. Grenzgänge wissenschaftlicher Expeditionen am Beispiel der Meeresforschung”, invited paper Colloquium Series “Jenseits der Geschlechtergrenzen/Queer Studies”, Fall Term 2000, Hamburg University, February 7, 2001.
- “Gründlichkeit im Zeichen der ‘Not’: Die Deutsche Atlantische Expedition der Notgemeinschaft Deutscher Wissenschaft (1925-1927)”, invited paper Workshop “Erfahrungsgeschichte als Möglichkeit einer Wissenschaftsgeschichte in Kriegs- und Krisenzeiten”, SFB 437: “Kriegserfahrungen — Krieg und Gesellschaft in der Neuzeit”, Project E: “Kriegserfahrung und wissenschaftliche Praxis”, University of Tübingen, December 1-2, 2000.
- “Tiefgang demonstrieren: Raumgewinn im Echolotverfahren”, invited paper presentation Workshop “Ganz normale Bilder. Zur visuellen Herstellung von Selbstverständlichkeiten im historischen Kontext”, Monte Verità, Ascona, Switzerland, November 5-10, 2000.
- “Frequency in the Making of Space: Sounding Ocean Depth from the mid-19th Century to the 1920s”, paper 4S/EASST Conference “Worlds in Transition: Technoscience, Citizenship and Culture in the 21st Century”, Vienna, Austria, September 27-30, 2000.
- “Mythen des Fortschreitens. Das Beispiel der Geschichte ozeanographischer Expeditionen”, paper Annual Meeting of the Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V., Düsseldorf, September 22-25, 2000.

- “Mythen der Raumeroberung in der ozeanographischen Forschung des 19. und 20. Jahrhunderts”, paper presentation Elsa-Brandstroem-Gymnasium School München, Annual Meeting of the Max Planck Society, Munich, June 8, 2000.
- “Reisen an Ränder. Die Faszination der Grenze am Beispiel ozeanographischer Expeditionen des 19. Jahrhunderts”, paper 26. Kongress von Frauen in Naturwissenschaft und Technik, Hamburg, June 1-4, 2000.
- “Mittelmaß unter Profilierungsdruck. Kritische Anmerkungen zur Geschlechterpolitik im Bereich der Wissenschaften”, paper Meeting Studienwerk Heinrich Böll Foundation, Potsdam, September 30-October 1, 1999.
- “Universität und Omnipräsenz. Eine Mythographie der Raumerschließung durch internationale aerologische Forschung zu Beginn des 20. Jahrhunderts”, paper Annual Meeting of the Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V., Leipzig, September 24-27, 1999.
- “Luftfahrtforschung und Luftfahrtmythos. Das Rätsel der wissenschaftlichen Ballonfahrt um 1900”, paper 25. Kongress von Frauen in Naturwissenschaft und Technik, Darmstadt, May 13-16, 1999.
- “Männlichkeit, Objektivität, Heldengeschichten: Wissenschaftliche Ballonfahrt um 1900”, paper Interdisciplinary Research Colloquium “Wissenschaftsforschung als Geschlechterforschung”, Center for Interdisciplinary Women's and Gender Studies, Berlin Technical University, January 13, 1999.
- “Luftfahrtforschung und Luftfahrtmythos. Die Genese eines Forschungsfeldes als Kulturprojekt um 1900 in Deutschland”, paper Colloquium Modern History, Department of History, Braunschweig Technical University, June 10, 1998.
- “Heldinnengeschichten. Die Re-Konstruktion von Geschlecht in Frauenbiographien am Beispiel der Pilotinnen zu Beginn des 20. Jahrhunderts”, paper 24. Kongress von Frauen in Naturwissenschaft und Technik, Mainz, May 21-24, 1998.
- “Der Held, der aus der Kälte kam. Inszenierungen von Wissenschaftlichkeit in der Aeronautischen Meteorologie um 1900”, paper Colloquium Series “Frauen- und Geschlechterforschung zu Mathematik und Naturwissenschaften”, Summer Term 1998, Hamburg University, May 14, 1998.
- “Psychrometer, Variometer, Barograph — Instrumente der Inszenierung von Luftfahrtwissenschaftlern um 1900”, colloquium presentation “Dialogo”, Department for the History of Science and Technology, Stuttgart University, December 2, 1997.
- presentation Graduate-Program Pharmaceutical Technology of the Technical University of Braunschweig, November 26, 1997.
 - Colloquium presentation Graduiertenkolleg “Genese, Strukturen und Folgen von Wissenschaft und Technik”, Bielefeld University, November 10, 1997.
 - paper Colloquium Modern History, Department of History, Braunschweig Technical University, November 5, 1997.
 - paper Annual Meeting of the Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V., Regensburg, September 26-29, 1997.
- “Unbestimmte Grenzen. Konstruktion von Geschlecht — Dekonstruktion von Differenz?”, paper 23. Kongress von Frauen in Naturwissenschaft und Technik, Hannover, May 8-11, 1997.
- “Bürgerliche Assoziationen: Wissenschaftliche Höhenflüge im Luftfahrtvereinswesen um 1900”, paper Annual Meeting of the Driburger Kreis, Berlin, September 24-26, 1996.
- “Zum Verhältnis von Forschung und Mythos in der Luftfahrt des beginnenden 20. Jahrhunderts in Deutschland”, paper Annual Meeting of the Driburger Kreis, Bonn, September 21-22, 1995.

Commenting Activities

- Conference “At the Vanguard of Colonialism: Global Perspectives on Timber Colonialism during the Age of Industrialization”, SCAS Swedish Collegium for Advanced Study, Uppsala, November 9-10, 2023, invited commentator.
- Conference panel “Jenseits des Terrazentrismus: Kartographien der Meere und das Wissen von der Globalität der Welt im 19. Jahrhundert”, Annual Meeting GWMT Gesellschaft für Geschichte der Wissenschaften, der Medizin und der Technik, Erfurt, Germany, September 21-23, 2022, invited commentator.
- Discussant, “Smart Forests: How are Forests becoming Digital Environments” (Jennifer Gabrys), Online spring seminar series “NordAI – Nordic Observatory of Artificial Intelligence”, KTH Royal Institute of Technology, Stockholm, May 5, 2022.
- Workshop “Technology’s Temporal Regimes: Past, Present and Futures”, ITZ Institute of Technology Futures, Karlsruhe Institute of Technology (KIT), November 29-30, 2018, invited commentator.
- SHOT Graduate Student Workshops I and II, SHOT Society for the History of Technology Annual Meeting St. Louis, USA, October 11-14, 2018, invited commentator.
- Panel Discussion “Engaging Transpositions: Science and Art”, invited commentator at research Event “Transpositions: From Science to Art (and Back)”, Stockholm, October 2-6, 2017.
- Workshop “Environment, Society, and the Making of the Modern World: The history and legacy of the UN Conference on the Human Environment held in Stockholm, June 1972”, Stockholm, December 14-16, 2016, invited commentator.
- Session “Lebensraum Meer. Umwelt- und entwicklungspolitische Ressourcenfragen in den 1960er und 1970er Jahren”, 49. Deutscher Historikertag, Mainz, September 25-28, 2012.
- “Ein Thermostat für das Erdklima: Wissenschaft und Weltsteuerung seit 1970”, conference “Schnee von gestern? Zivilisationskritik und Überlebensperspektiven in Zeiten des Klimawandels”, session “Klimawandel und alternative Lebensformen nach 1970”, Deutsches Hygiene-Museum, Dresden, September 8-9, 2008, invited commentator.
- “Cold War Environments: Nature in the Age of Global Closure”, invited final comment, Conference “Environmental History and the Cold War”, German Historical Institute, Washington DC, March 22-25, 2007.
- “Zurück in die Zukunft? Wider die Phantasie technikförmigen Regierens”, comment at the workshop “Lässt sich Zukunft steuern? Leitbilder, Indikatoren und *best practices* für die Hamburger Stadtentwicklung”, Forschungsprojekt NEDS/Zukunftsrat Hamburg, Hamburg University, February 24, 2006.

Roundtable Participation

- Panelist, “Open and Accessible Data – A Recipe for Research Success?”, Panel Discussion KTH Library, KTH Royal Institute of Technology Stockholm (hybrid event under the Stockholm Nobel Calling week), October 5, 2023.
- Panelist, CEHS Central European History Society Presidential Panel “Histories of Climate Change: Place-Based Approaches from European History”, American Historical Association (AHA), Philadelphia, January 5-8, 2023.
- Panelist, Keynote Roundtable “The Future History of the Anthropocene”, “Streams: Transformative Environmental Humanities”, International Environmental Humanities Conference hosted by KTH Environmental Humanities Laboratory, KTH Royal Institute of Technology Stockholm, August 3-6, 2021.
- Panelist, Roundtable “Die Provokation des Anthropozäns – Reaktionen der Wissenschafts-, Technik- und Umweltgeschichte”, Annual Meeting Gesellschaft für die Geschichte der

Wissenschaften, der Medizin und der Technik (GWMT), conference theme “Wissen und Umwelt”, Ruhr Universität Bochum, September 12-14, 2018.

Panelist, Roundtable “Planetary Boundaries, Thresholds, Budgets as ‘hard data’ for an effective Global Environmental Governance?”, “The Right Use of the Earth. International Conference on Knowledge, Power and Duties in a Finite Planet / Le bon usage de la Terre. Conférence internationale sur savoirs, pouvoirs et devoirs sur une planète finie”, Paris, École normale supérieure, May 29 to June 1, 2018.

Panelist, Roundtable “Can there be a Nordic Anthropocene? Histories of New Natures in the Nordic Countries” (organised by Dolly Jørgensen and Finn Arne Jørgensen), 29th Congress of Nordic Historians, Aalborg, Denmark, August 15-18, 2017.

Panelist, Roundtable Discussion “techno-wissen_schaf(f)t identitäten”, wissen_schaf(f)t widerstand: 27. Kongress von Frauen in Naturwissenschaft und Technik, Vienna, Austria, May 24-27, 2001.

Posters

“Sustainable Development between Throughput and Symbolism: Visions of the Economic Construction of Ecological Reality in European Regions” (with Sybille Bauriedl), International Conference “Governance and Sustainability: New Challenges for the State, Business, and Civil Society”, Berlin, September 30 and October 1, 2002 (won first prize).

Panel/Roundtable Organization

“Datafying the Environment, Environmentalizing Data” (with Gemma Cirac-Claveras), Panel series, 11th Tensions of Europe Conference, European University Viadrina, Frankfurt/Oder, September 19-21, 2024 (accepted; in preparation).

“Critique or Action, History or Activism? Exploring the Role of Environmental History in the Environmental Crisis” (with Christina Wessely), Roundtable, WCEH World Congress of Environmental History, Oulu, Finland, August 19-23, 2024 (accepted; in preparation).

“Anthropocene History” (with Adam Wickberg), Panel, TVHD Teknik och vetenskapshistoriska dagarna / History of Science and Technology Days 2024, Stockholm, June 12-14 (accepted; in preparation).

“To monitor is to manage – or not? Which data do we need to reach the environmental SDGs?” (with Adam Wickberg), Roundtable WASP-HS The Wallenberg AI, Autonomous Systems and Software Program – Humanities and Society, CRM Community Reference Meeting “AI, Sustainability and Agenda 2030”, online event, October 4, 2023.

“From Ridges to Riches – Subsea Mountains and Plains as Places of Prospecting. Giving the (Sea) Floor to Environmental History”. Roundtable, 12th Conference of the European Society for Environmental History ESEH, “Mountains and Plains: Past, present and future environmental and climatic entanglements”, University of Bern, August 22-26, 2023.

“Changing Climates: Technological Optimism Revisited”, Panel, SHOT Society for the History of Technology Annual Meeting, Milan, Italy, October 24-27, 2019.

“Science and Science Fiction of Biomass. A Film Session” (with Ariane Tanner), Panel, WCEH World Congress of Environmental History, Guimarães, Portugal, July 8-12, 2014.

“Biomass: Metabolizing Living Matter, 1960s to 1980s” (with Ariane Tanner), Panel, ESEH European Society for Environmental History Conference “Circulating Natures: Water – Food – Energy”, Munich, August 20-24, 2013.

“Rechnen mit der Natur: Ökonomische Kalküle um Ressourcen” (with Lea Haller and Andrea Westermann), Panel, 95. Annual Meeting “Wissenschaft und Ökonomie” of the Deutsche

Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V., Mainz, September 28-30, 2012.

“Inland Empires – Kolonialisierungsprojekte in einer postkolonialen Welt, 1960-1990” (with Sven Mesinovic), Panel, 91. Annual Meeting of the Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e. V., Darmstadt, September 26-28, 2008.

“Capital and Aggregate Forms of Life” (with Michelle Murphy), Panel, Society for Social Studies of Science (4S) Annual Meeting, Vancouver, November 2-4, 2006.

“Plenty of Benefits from a Scarce World? Spatial Limitation in the Sustainability Discourse”, Panel, 4S & EASST Meeting, Paris, August 25-28, 2004.

“Reconceptualizing Spaces: Geographers of the Imperial Age in Europe and the Americas” (with Iris Schröder), Panel, American Historical Association Annual Meeting, San Francisco, USA, January 3-6, 2002.

Conference and Workshop Organization

ESEH European Society for Environmental History international conference, theme “Climate Histories”, Uppsala University, August 19-21, 2025 (in preparation) (member of the organization team; member of the ESEH program committee).

History of Science and Technology Days (TVHD – Teknik- och vetenskapshistoriska dagarna), international conference, theme “Technology and Nation”, Museum of Technology Stockholm, June 12-14, 2024 (in preparation) (member of the organization team).

“Stockholm 1972 and the Rise of Global Environmental Governance”, Webinar convened by the RUCHE (Réseau Universitaire de Chercheurs en Histoire Environnementale, France), the KTH Environmental Humanities Laboratory (project SPHERE, KTH Royal Institute of Technology Stockholm), and the Luigi Einaudi Foundation (Torino, Italy), June 6, 2022 (member of the organization team and chair).

“Streams: Transformative Environmental Humanities”, International Environmental Humanities Conference hosted by KTH Environmental Humanities Laboratory, KTH Royal Institute of Technology Stockholm, August 3-6, 2021 (convenor and member of the conference organization team).

“Toolbox of Environmental Governance: Numbers, Metrics, and Acronyms”, Workshop at KTH Royal Institute of Technology, Stockholm, December 2-4, 2020 (co-convenor, with Sverker Sörlin and Gloria Samosir).

“Streaming Streams: Transformative Environmental Humanities”, International Digital Environmental Humanities Conference Trailer hosted by KTH Environmental Humanities Laboratory, KTH Royal Institute of Technology Stockholm, August 5-7, 2020 (co-convenor and member of the organization team).

“Streams: Transformative Environmental Humanities”, International Environmental Humanities Conference hosted by KTH Environmental Humanities Laboratory, KTH Royal Institute of Technology Stockholm, August 5-8, 2020 (convenor and member of the conference organization team; postponed to August 2021 due to Covid-19 pandemic).

Higher Seminar series at the Division of History of Science, Technology and Environment at KTH Royal Institute of Technology Stockholm (seminar series organizer, fall 2011 – spring 2016).

7th “Tensions of Europe” international conference, theme “Technology and Environment”, KTH Royal Institute of Technology Stockholm, September 3-6, 2015 (member of the conference organization team).

“The Making of Earth Imagery”. Workshop on the History of Space Technology and Environmental Perceptions. KTH Royal Institute of Technology Stockholm, June 11, 2015 (co-convenor, with Johan Gärdebo und Nina Wormbs).

- Swedish/International STS Meeting 2012, KTH Royal Institute of Technology Stockholm, May 2-4, 2012 (co-organizer, with Carina Challis and Nina Wormbs).
- “Stress in der Leistungsgesellschaft. Flexible Systeme zwischen Erholung und Kollaps”, Workshop at ETH Zurich, March 8-10, 2012 (co-convenor, with Lea Haller and Heiko Stoff).
- “Data – Difference – Diversity: Technologies of Differentiation in the Life Sciences”, Workshop at the Max-Planck-Institute for the History of Science, Berlin, November 24-26, 2011 (co-convenor, with Susanne Bauer and Christine Hanke).
- “Nature’s Accountability: Aggregation and Governmentality in the History of Sustainability”, Conference at the German Historical Institute, Washington, DC, October 9-11, 2008 (co-convenor, with Rafael Ziegler).
- “Civilising Nature: National Parks in Transnational Historical Perspective”, Conference at the German Historical Institute, Washington, DC, June 12-14, 2008 (co-convenor, with Bernhard Gissibl and Patrick Kupper).
- “Raum ohne Hüter? Nachhaltigkeit und Verantwortung im Konzept des Umweltraums”, Workshop at the Heinrich Böll Foundation Berlin, October 9, 2006 (co-convenor, with Fred Luks and Rafael Ziegler, in cooperation with Jörg Haas, Department Head Ecology and Sustainable Development at the Heinrich Böll Foundation).
- “Räume der Globalisierung im späten 19. und 20. Jahrhundert”, Authors’ Workshop at the Max Planck Institute for the History of Science, Berlin, November 20-22, 2003 (co-convenor, with Iris Schröder and Wolfgang Natter).
- Co-founder, organizer and member of the Berlin Feminist Science Studies Workgroup (BFSSW) (2000-2006).
- “Kongruenzen — Divergenzen. Perspektiven der Frauenförderung in der Hochschulentwicklung”, TU Braunschweig, December 3-4, 1999 (member of the conference organization team).
- “22. Kongress von Frauen in Naturwissenschaft und Technik”, May 16-19, 1996, Technical University of Braunschweig (member of the conference organization team).

Teaching and Supervision

Teaching Activities

Full Courses:

KTH Stockholm:

AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2024 (7,5 ECTS).

FAK3154 The Rise of Global Environmental Governance, 1940s to 2020s (with Sverker Sörlin), PhD Course (third cycle) at KTH Royal Institute of Technology Stockholm, spring 2023 (5 ECTS).

AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective (with Alicia Gutting, course assistant), undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2023 (7,5 ECTS).

AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective (with Alicia Gutting, course assistant), undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2022 (7,5 ECTS).

- AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective (with Alicia Gutting, course assistant), undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2021 (7,5 ECTS).
- AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2020 (7,5 ECTS).
- FAK3146 Critical Geography and Cartography (with Nina Wormbs), PhD reading course (third cycle) at KTH Royal Institute of Technology Stockholm, summer 2019 (10 ECTS).
- AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2019 (7,5 ECTS).
- AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2018 (7,5 ECTS).
- AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2017 (7,5 ECTS).
- AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2016 (7,5 ECTS).
- AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2015 (7,5 ECTS).
- AK2202 Gender and Technology (with Hanna Vikström), undergraduate course (second cycle) at KTH Royal Institute of Technology Stockholm, spring 2015 (7,5 ECTS).
- FAK3101 Perspectives on Science, Technology and Landscape in Time and Space, Part 1 (course coordinator and teacher), PhD course at KTH Royal Institute of Technology Stockholm, fall 2014 (7,5 ECTS).
- FAK3118 Visualizing the World – Making Sense of Our Environments, PhD Spring School in Science, Technology and Environmental Studies, Abisko Scientific Research Station, Sweden, May 6-11, 2014 (jointly organized with the Graduate School Topology of Technology at Darmstadt University of Technology, Germany) (5 ECTS).
- AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2014 (7,5 ECTS).
- F1N5505 Theory and Method in Historical Research, Part I, PhD course at KTH Royal Institute of Technology Stockholm, fall 2013 (7,5 ECTS).
- AK1202 History of Science and Technology, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2013 (7,5 ECTS).
- AK1205 Science Goes Fiction. Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2013 (7,5 ECTS).
- AK1202 History of Science and Technology, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2012 (7,5 ECTS).
- AK1205 Science Goes Fiction: Science Fiction, Film and Technological Futures in a Historical Perspective, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2012 (7,5 ECTS).
- F1N5505 Theory and Method in Historical Research, Part I, PhD course at KTH Royal Institute of Technology Stockholm, fall 2011 (7,5 ECTS).

ETH Zurich:

Ökonomie und Ökologie, undergraduate seminar at ETH Zurich, Chair for Science Studies, spring 2011 (2 h/week).

‘Raumschiff Erde’ – globales Bewusstsein vor der Nachhaltigkeitsdebatte, undergraduate seminar at ETH Zurich, Chair for Science Studies, fall 2010 (2 h/week).

TU Darmstadt:

Technik und Raumtheorien, PhD course at TU Darmstadt, summer 2013, as part of the DFG-Graduate School Topologie der Technik.

Infrastrukturgeschichte: Technik und Umwelt im Zeitalter der Systeme, undergraduate seminar in history, TU Darmstadt, summer 2010 (2 h/week).

Theorien der Topologie, PhD course at TU Darmstadt, Winter 2009/10 (2 h/week).

Reine Lehre? Geschlechterregimes in Wissenschaft und Technik, undergraduate seminar in history, TU Darmstadt, summer 2009 (2 h/week).

‘Raumschiff Erde’ – globales Bewusstsein vor der Nachhaltigkeitsdebatte, undergraduate seminar in history, TU Darmstadt, summer 2007 (2 h/week).

Globalisierung und Wissenschaft. Naturwissenschaftliche Versuche der Weltordnung seit dem ausgehenden 18. Jahrhundert, undergraduate seminar in history, TU Darmstadt, summer 2006 (2 h/week).

International University Bremen (IUB):

Around the World in Two Centuries: Science and Globalization since 1800, 3rd-year undergraduate course in history of science, International University Bremen (IUB), fall 2006 (3 h/week).

Technology in Action: Following Technical Objects through Society, 3rd-year undergraduate course in history of technology, International University Bremen (IUB), Spring Term 2006 (3 h/week).

‘Population’: A Concept and its Consequences, 3rd-year undergraduate course in history of science, International University Bremen (IUB), fall 2005 (3 h/week).

‘A Century of Nature’: Science’s Stories and Nature’s Histories, 3rd-year undergraduate course in history of science, International University Bremen (IUB), spring 2005 (3 h/week).

Global Knowledge: Spatial Themes in the History of Modern Science, 3rd-year undergraduate course in history of science, International University Bremen (IUB), spring 2004 (3 h/week).

Humboldt University, Berlin:

Fortpflanzung im Zeitalter ihrer technischen Reproduzierbarkeit (with Bärbel Mauß), undergraduate seminar in cultural studies/gender studies, Humboldt-University Berlin, summer 2002 (2 h/week).

Biomedizinische ‘Evidenzen’ des Körpers (with Bärbel Mauß), undergraduate seminar, in cultural studies/gender studies, Humboldt-University Berlin, winter 2001 (2 h/week).

Karlsruhe University (KIT):

Elektrodynamik, women’s undergraduate physics course, Department of Physics, University of Karlsruhe, summer 1992 (2 h/week).

Mechanik, women’s undergraduate physics course, Department of Physics, University of Karlsruhe, winter 1991 (2 h/week).

Course Coordination:

FAK3101 Perspectives on Science, Technology and Landscape in Time and Space, Part 2 (course coordinator), PhD course at KTH Royal Institute of Technology Stockholm, spring 2015 (7,5 ECTS).

AK1213 Swedish Society, Culture and Industry in a Historical Perspective (with Dag Avango), course coordinator and seminar leader, undergraduate course at KTH Royal Institute of Technology Stockholm, fall 2011 (7,5 ECTS).

FAK3017 Geographies of Heritage: Cultures, Environments and Conservation in Times of Global Change (co-organizer and coordinator), International graduate course at KTH Royal Institute of Technology Stockholm, September 10-14, 2012 (5 ECTS).

Guest Lectures:

AK126V Anthropocene, lifelong learning course at KTH Royal Institute of Technology Stockholm, fall 2023 (1 lecture on "Anthropocene and Scale").

AK126V Anthropocene, lifelong learning course at KTH Royal Institute of Technology Stockholm, fall 2022 (1 lecture on "The Global and the Planetary").

FAK3103 Theory and Method in Historical Research, Part I, PhD course at KTH Royal Institute of Technology Stockholm, spring 2022 (1 course day on "Discourse Analysis").

FAK3103 Theory and Method in Historical Research, Part I, PhD course at KTH Royal Institute of Technology Stockholm, spring 2022 (1 course day on "The Spatial Turn").

FAK3104 Theory and Method in Historical Research, Part II, PhD course at KTH Royal Institute of Technology Stockholm, fall 2019 (1 course day on "Discourse Analysis").

FAK3103 Theory and Method in Historical Research, Part I, PhD course at KTH Royal Institute of Technology Stockholm, spring 2019 (1 course day on "The Spatial Turn").

SG3133 Engineering for a Sustainable Society, PhD course at KTH Royal Institute of Technology Stockholm, fall 2018 (1 lecture on "Living in Space – Lessons for Earth?").

FAK3101 Perspectives on Science, Technology and Landscape in Time and Space, Part 2 (course coordinator), PhD course at KTH Royal Institute of Technology Stockholm, spring 2018 (1 course day on "Science and Technology Studies").

LL219U Teknik, människa, samhälle och miljö, lärarlyfteprogramm at KTH Royal Institute of Technology Stockholm, spring 2018 (2 course days on "Spaceship Earth: Environmental Science and Science Fiction").

HPED3 Research Supervision, PhD course at Swedish Defense University Stockholm, spring 2018 (1 lecture on "The Process from the Doctoral Student's Horizon").

SG3133 Engineering for a Sustainable Society, PhD course at KTH Royal Institute of Technology Stockholm, fall 2017 (1 lecture on "Sufficiency–Efficiency").

LL219U Teknik, människa, samhälle och miljö, lärarlyfteprogramm at KTH Royal Institute of Technology Stockholm, spring 2017 (2 course days on "Spaceship Earth: Environmental Science and Science Fiction").

F1N5505 Theory and Method in Historical Research, Part I, PhD course at KTH Royal Institute of Technology Stockholm, fall 2016 (2 course days on "Feminist Theory" and "The Spatial Turn").

MF1061 Introduction to Design and Product Realization, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, fall 2016 (1 lecture on "Gender by Design").

AK2203 Media between Technology and Culture, undergraduate course (second cycle) at KTH Royal Institute of Technology Stockholm, fall 2016 (1 lecture on "Time, Space and Globalization").

- LL219U Teknik, mänskliga, samhälle och miljö, lärarlyfprogramm at KTH Royal Institute of Technology Stockholm, spring 2016 (2 course days on “Spaceship Earth: Environmental Science and Science Fiction”).
- MF1061 Introduction to Design and Product Realization, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, fall 2015 (1 lecture on “Gender by Design”).
- AK2203 Media between Technology and Culture, undergraduate course (second cycle) at KTH Royal Institute of Technology Stockholm, fall 2015 (1 lecture on “Time, Space and Globalization”).
- Philosophies – Architecture in Effect, PhD course at KTH Royal Institute of Technology Stockholm, fall 2015 (1 lecture on “Technologies – Subjectivities”).
- LL219U Teknik, mänskliga, samhälle och miljö, lärarlyfprogramm at KTH Royal Institute of Technology Stockholm, spring 2015 (2 course days on “Spaceship Earth: Environmental Science and Science Fiction”).
- AK1204 Environmental History, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2015 (1 lecture on Spaceship Earth).
- AK2203 Media between Technology and Culture, undergraduate course (second cycle) at KTH Royal Institute of Technology Stockholm, fall 2014 (1 lecture on “Time, Space and Globalization”).
- AK2203 Media between Technology and Culture, undergraduate course (second cycle) at KTH Royal Institute of Technology Stockholm, fall 2013 (1 lecture on “Time, Space and Globalization”).
- LL219U Teknik, mänskliga, samhälle och miljö, lärarlyfprogramm at KTH Royal Institute of Technology Stockholm, fall 2013 (2 course days on “Spaceship Earth: Environmental Science and Science Fiction”).
- MJ2673 Research Methodology and Theory of Science, undergraduate course (second cycle) at KTH Royal Institute of Technology Stockholm, fall 2013 (1 lecture on “Standpoint Epistemology”).
- AK1204 Environmental History, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2013 (1 lecture on “Spaceship Earth”).
- Physics and Gender, undergraduate course at Stockholm University, spring 2013 (1 lecture and seminar on “Feminist Standpoint Epistemology”).
- LL219U Teknik, mänskliga, samhälle och miljö, lärarlyfprogramm at KTH Royal Institute of Technology Stockholm, fall 2012 (2 course days on “Spaceship Earth: Environmental Science and Science Fiction”).
- DM2573 Sustainability and Media Technology, undergraduate course (second cycle) at KTH Royal Institute of Technology Stockholm, fall 2012 (1 lecture on “Spaceship Earth”).
- AK3016 Organizational Theory and History: Science, Technology and Institutions, PhD course at KTH Royal Institute of Technology Stockholm, fall 2012 (1 lecture on “Big Science”).
- IC2002 Philosophy of Science, undergraduate course (second cycle) at KTH Royal Institute of Technology Stockholm, fall 2012 (1 lecture on “Feminist Standpoint Epistemology”).
- LL219U Teknik, mänskliga, samhälle och miljö, lärarlyfprogramm at KTH Royal Institute of Technology Stockholm, spring 2012 (2 course days on “Spaceship Earth: Environmental Science and Science Fiction”).
- AK2202 Gender and Technology, undergraduate course (second cycle) at KTH Royal Institute of Technology Stockholm, spring 2012 (1 lecture on “Gender and Science”).
- AK1204 Environmental History, undergraduate course (first cycle) at KTH Royal Institute of Technology Stockholm, spring 2012 (2 lectures on “Spaceship Earth” and “Global Environmental Models”).

Special / International Seminars:

- PhD Workshop Grant Application Writing, invited contribution, Division of History of Science, Technology and Environment, KTH Royal Institute of Technology Stockholm, November 6, 2023.
- “Spaceship Earth: Space Science Fact and Science Fiction”, invited lecture Swedish Summer School of Space Science (Rymdforskarskolan) 2022 in Stockholm, June 18-28 (High-School level), organized by Astronomisk Ungdom/Swedish Astronomical Youth Association SAYA, Stockholm, KTH, June 20, 2022.
- “Gender in Academia”, invited lecture PhD Student Conference, ITM School of Industrial Engineering and Management, KTH, May 23, 2022.
- “Spaceship Earth: Space Science Fact and Science Fiction”, invited lecture Christer Fuglesang-dagarna 2022 in Stockholm, January 20-22 (High-School level), organized by Astronomisk Ungdom/Swedish Astronomical Youth Association SAYA, Stockholm, KTH, January 21, 2022.
- “Nature as a Service Agency: Resilience and Ecological Performance since 1970”, invited lecture FRIAS Summer School 2021 (Online) “Concepts, Discourses and Practices of Resilience in the Environmental Humanities”, June 28 – July 2, FRIAS Freiburg Institute for Advanced Studies, University of Freiburg, July 1, 2021.
- “Spaceship Earth: Science Fact and Science Fiction”, invited lecture Swedish Summer School of Space Science (Rymdforskarskolan) 2021 in Stockholm, June 14-24 (High-School level), organized by Astronomisk Ungdom/Swedish Astronomical Youth Association SAYA, Stockholm, KTH, June 17, 2021.
- “Gender in Academia”, invited lecture, Research Training Group KRITIS “Critical Infrastructures: Construction, Functional Crises and Protection in Cities”, Technical University of Darmstadt, November 15, 2019.
- “Environing Technology”, 2-day seminar (co-organized and co-taught with Etienne Benson, Johan Gärdebo, Karena Kalmbach and Nina Wormbs), Anthropocene Campus Philadelphia, four-day Interdisciplinary Postgraduate Campus in Philadelphia, Pennsylvania, October 22-26, 2017.
- “Valuing Nature Beyond the Vital Balance Sheet” (co-organized and co-taught with Ioan Negruțiu and Natalie Jeremijenko), 2-day seminar and public lecture at the Anthropocene Campus Berlin, HKW Haus der Kulturen der Welt, Berlin, November 14-22, 2014.
- “Tacit Knowledge and the Problem of Explication”, invited lecture and seminar at the CCES Winter School “Sustainability Science Meets Practice” (Competence Center Environment and Sustainability of the ETH Domain), Einsiedeln, Switzerland, January 11, 2011.
- “A Model of Sustainability? Systems Integrity and Society in Biosphere 2”, invited lecture, ‘Continuous Education’ seminar for teachers: “Sustainability: The Future of Our Planet”, Hessische Landeszentrale für politische Bildung (HLZ), Staatliches Schulamt Darmstadt-Dieburg, Center for North American Studies (ZENAF) of the University of Frankfurt (Main), Weilburg, November 5-7, 2009.
- “Wissenschaftliches Reisen zu Lande, zu Wasser und in der Luft: Die Vermessung der Erde im 19. Jahrhundert”, invited lecture, Deutsche Physikalische Gesellschaft, Fall School on the History of Physics, Physikzentrum Bad Honnef, October 23-27, 2009.

Pedagogical Training

- LH203V Teaching and Learning in Subject Perspective, KTH Royal Institute of Technology Stockholm, Fall Term 2012 (5 ECTS).

- LH201V Teaching and Learning in Higher Education, KTH Royal Institute of Technology
Stockholm, Fall 2011/Spring 2012 (7,5 ECTS).
- LH207V Doctoral Supervision, KTH Royal Institute of Technology Stockholm, Fall Term 2011 (3 ECTS).

Doctoral Supervision

- Luca Thanei, ETH Zurich (co-supervisor, since 2021)
Winner of the 2023 Sacknoff Prize for Space History
- Gloria Samosir, KTH Stockholm (main supervisor, since 2020; co-supervisor 2019-2020; mid-term seminar 9 May 2022)
- Thomas Harboell Schrøder, KTH Stockholm (main supervisor, since 2019; mid-term seminar 22 November 2021)
- Jasmin Höglund-Hellgren, KTH Stockholm (co-supervisor, since 2019; mid-term seminar 4 September 2023)
- Erik Isberg, KTH Stockholm (co-supervisor, since 2018; defended 20 October 2023)
- Irma Kinga Allen, KTH Stockholm (co-supervisor, since 2018; defended 1 October 2021)
- Jesper Mejling, KTH Stockholm (co-supervisor, since 2013; defended November 20, 2020)
- Jesse Peterson, KTH Stockholm (main supervisor, since 2015; defended October 16, 2020)
- Johan Gärdebo, KTH Stockholm (co-supervisor 2013-2019, defended April 5, 2019.
The PhD thesis was awarded the 2021 DHST Dissertation Prize (IUHPST/DHST International Union of History and Philosophy of Science and Technology/Division of History of Science and Technology.)
- Anna Svensson, KTH Stockholm (main supervisor 2015-2017, co-supervisor 2013-2014, defended December 8, 2017)

Academic Service

Master Thesis and Dissertation Committee Work

- Dissertation Committee member, doctoral thesis Hèctor Isern Alsina, Autonomous University of Barcelona (2024-2026).
- Opponent at 30 % seminar, doctoral thesis Alejandra Navarrete Llopis, "Swedish Environmentalisms from the 70s to the late 90s: Scaling-up, Institutionalizing, and Standardizing Alternative Architectural Responses", doctoral thesis in Architectural Theory, History and Critical Studies, KTH Royal Institute of Technology Stockholm, December 8, 2023.
- Assessment committee member, doctoral dissertation defense Helena Westerlind, "Choreographing Flow: A Study in Concrete Deposition", doctoral thesis in Architecture, KTH Royal Institute of Technology Stockholm, June 15, 2021.
- Assessment committee member, doctoral dissertation defense Luis Rafael Berrios-Negrón, "Breathtaking Greenhouse Parastructures", doctoral thesis in Art Technology and Design, KTH Royal Institute of Technology Stockholm, September 15, 2020.
- Assessment committee member, doctoral dissertation defense Daniel Andersson, "Artificial Earth: On the Genealogy of Planetary Technicity", Linköping University, doctoral thesis Tema T, January 24, 2020.

- Opponent at mid-term (60 %) seminar, doctoral thesis Daniel Andersson, "Geology Beyond Mechanism: Reflections on the Nature of Technology in the Earth Sciences", Linköping University, April 3, 2018.
- Assessment committee member, doctoral dissertation defense Franziska Hupfer, "Das Wetter der Nation: Meteorologie, Klimatologie und der schweizerische Bundesstaat, 1860-1914", doctoral thesis in History of Technology, ETH Swiss Federal Institute of Technology Zurich, December 4, 2017.
- Supplementary assessment committee member, doctoral dissertation defense Rebekah Cupitt, "Make Difference: Deafness and Video Technology at Work", KTH Royal Institute of Technology Stockholm, doctoral thesis in Communication and Computer Science, January 16, 2017.
- Assessment committee member, Master Thesis by Abby Starr Herhold, "Hawai'i's Thirty Meter Telescope: Construction of the World's Largest Telescope on a Sacred Temple", master program Culture, Environment and Sustainability, Oslo University, Center for Development and the Environment, January 11, 2016.
- Opponent, doctoral dissertation defense Ola Uhrqvist, "Seeing and Knowing the Earth as a System: An Effective History of Global Environmental Change Research as Scientific and Political Practice", Linköping University, doctoral thesis Tema M, October 17, 2014.
- Assessment committee member, doctoral dissertation defense Dania Achermann, "Von der Deutschen Forschungsanstalt für Segelflug zum Institut für Physik der Atmosphäre. Wandel und Kontinuitäten institutioneller Identitäten", Aarhus University, Faculty of Science and Technology/LMU Munich, June 26, 2014.
- Assessment committee member, doctoral dissertation defense Sven Mesinovic, "Die Eroberung der Meere: Die Unterwasserlaboratorien Helgoland (BRD) und Tektite (USA) im Umweltdiskurs 1968–1973", EUI European University Institute Florence, Department of History and Civilization, March 2012.

Expert Assessments

Expert Reviewer in Faculty Recruitment Processes:

KIT Karlsruhe Institute of Technology. Expert assessment of applicants for the W2-Professur für Begriffs- und Diskursgeschichte mit Schwerpunkt Technikdebatten (befristet für 5 Jahre) (associate professorship in conceptual and discourse history with a focus on technology debates) at the History Department, 2023.

University of Augsburg. Expert assessment of applicant for the Universitätsprofessur (W2 mit Tenure Track W3) für Globale Umweltgeschichte und Environmental Humanities (Heisenberg-Professur) (associate professorship in Global Environmental History and Environmental Humanities), 2022.

University of Zurich. External Member of the Appointment Committee for the Professorship (Open Rank) in the History of the Anthropocene at the Faculty of Arts and Social Sciences, Department of History, 2020.

Technical University of Darmstadt. Expert assessment of applicants for the W3-Professur Neuere Geschichte mit Schwerpunkt Stadt-/Umweltgeschichte (full professorship in modern history with a focus on urban/environmental history) at the Department of Social and Historical Sciences, 2020.

KIT Karlsruhe Institute of Technology. Expert assessment of applicants for the W1-Juniorprofessur Technik- und Umweltgeschichte (assistant professorship in history of technology and environment) at the History Department, 2018.

Technical University of Darmstadt. Expert assessment of applicants for the W3-Professur Technikgeschichte (full professorship in history of technology) at the Department of Social and Historical Sciences, 2018.

Chalmers University of Technology, Gothenburg. Expert assessment of applicants for the tenured position of senior lecturer in Science, Technology and Society at the Department of Technology, Management and Economics, 2017.

Expert Reviewer in Faculty Renewal/Promotion Processes:

Caltech California Institute of Technology. External Reviewer of Faculty Renewal Assistant Professor Lisa Ruth Rand, 2024.

Expert Reviewer of Docent Applications:

LMU Munich. External Reviewer of Habilitation (Docent) thesis by Franziska Torma, "Forschungsreisen zur See. Umweltwissen im Kaiserreich (1868–1900)", Venia legendi in Modern and Contemporary History, Faculty of History and the Arts, 2023.

ETH Zurich. External Reviewer of Habilitation (Docent) thesis by Nils Güttler, "Nach der Natur: Der Frankfurter Flughafen und die Geschichte des Umweltwissens", Venia legendi in History of Science and Environmental History, Department of Humanities, Social and Political Sciences, 2021.

Expert Reviewer of Research Applications:

DFG – German Research Council (2023)

American Academy in Berlin, Berlin Prize Fellowship Program 2023-2024 (2023)

FRIAS Freiburg Institute for Advanced Studies, Germany, COFUND Fellowship Programme (FCFP) (2021)

Branco Weiss Fellowship – Society in Science, ETH Zurich, Switzerland (2021)

SNF – Swiss National Science Foundation (2018)

Expert Reviewer of Study Programs:

Uppsala University. Member of the review panel to evaluate the Masters program Global Environmental History (second cycle), Faculty of History and Philosophy, 2019.

Peer Review Activities

Review of manuscripts for academic journals (ca. 4 manuscripts annually)

Arcadia: Explorations in Environmental History

Architecture and Culture

Behemoth

Beiträge zur Wissenschaftsgeschichte

BJHS British Journal for the History of Science

Capitalism Nature Socialism

Contemporary European History

Distinktion: Scandinavian Journal of Social Theory
Environmental Humanities
Environment and History
GAIA Ökologische Perspektiven für Wissenschaft und Gesellschaft
Historical Social Research
History of Meteorology
HoST – Journal of History of Science and Technology
HSNS Historical Studies in the Natural Sciences
International Journal for History, Culture and Modernity (HCM)
ISIS
Journal of Design History
Journal of Global History (JGH)
Journal of Historical Geography
Kölner Zeitschrift für Soziologie und Sozialpsychologie
Nordic Journal of Architectural Research
NPL Neue Politische Literatur
NTM Zeitschrift für Geschichte der Wissenschaften, Technik und Medizin
Science as Culture
Transfers: Interdisciplinary Journal of Mobility Studies
Yearbook Sociology of the Sciences
Zeithistorische Forschungen/Studies in Contemporary History

Review of book manuscripts for academic publishers:

Berghahn Books, series “Environment in History: International Perspectives”
University of Pittsburgh Press, series “Intersections: Histories of Environment, Science, and Technology in the Anthropocene”

Editorial Service

Member of editorial board/academic leadership, journal *Technikgeschichte*, Nomos (2021–2026)
Management Committee member, journal *Environmental Humanities*, Duke University Press (2018–2021)
Co-Editor of the journal *Diskus. Zeitschrift der StipendiatInnen der Heinrich Böll Stiftung e.V.* (1996–2000).

Commissions of Trust

Elected Member of SNTV Svenska Nationalkommittén för Teknik- och Vetenskapshistoria (Swedish National Committee for the History of Technology and Science) (2017-2020; 2020-2023, 2023-2026)
European Society for Environmental History (ESEH), member of the ESEH Programme Committee for the 2025 ESEH conference in Uppsala, Sweden.
Society for the History of Technology (SHOT)
- Member of the SHOT Kranzberg Dissertation Prize Committee (2019-2021; committee chair 2020).

- Member of the SHOT Executive Council (2016–2018).
 - Member of the SHOT Travel Grant Committee (2012–2014; committee chair 2013).
- Adviser/referee for the study program of the Heinrich Böll Foundation, Berlin (since 2004)
- Academic Advisory Board member, Deutsches Bergbau-Museum Bochum / German Mining Museum – Leibniz Research Museum for Geo-Resources (2024–2028)
- Advisory Board member, research project “Corridor Talk: Conservation Humanities and the Future of Europe’s National Parks” (German Research Council DFG and UK’s Arts and Humanities Research Council AHRC), University of Leeds/Rachel Carson Center for Environment and Society Munich (2020–2023)
- Advisory Board member, research project “Mapping the Oceans” (BMBF-Verbundvorhaben “Karten – Meere. Für eine Geschichte der Globalisierung vom Wasser aus”), Gotha Research Centre of the University of Erfurt (2018–2021)
- Advisory Editor, Book Series “Environmental Humanities”, J. B. Metzler Verlag / Springer Nature (since 2022).
- Advisory Board member, book series “Geschichte der Technischen Kultur”/”History of Technological Culture”, Verlag Ferdinand Schöningh (2017–2020)
- Electoral Colleague member, research boards VR Swedish Research Council (2018) and Formas (2021)

Professional Memberships

Society for the History of Technology (SHOT)

Society for Social Studies of Science (4S)

History of Science Society (HSS)

European Society for Environmental History (ESEH)

Gesellschaft für die Geschichte der Wissenschaften, der Medizin und der Technik (GWMT), formerly Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik (DGGMNT)

Gesellschaft für Technikgeschichte (GTG)

Other Professional Activities

Member of the European Conservation Humanities Network (funded by the DFG – German Research Council), starting 2024. www.conservationhumanities.com

Member of the Workgroup “Das Technische Bild”, Helmholtz-Zentrum für Kulturtechnik, Humboldt-University of Berlin (2000–2001).

Visiting Fellow at the Research Institute of the German Museum Munich (April – June 1995).

Extracurricular Activities and Work Experience

Student Programming Assistant at IVV Braunschweig GmbH, branch: traffic planning systems (1994–1995).

Student Assistant at Siemens AG in Braunschweig, unit: train signaling technology (1993–1994).

Student Assistant at IBM Deutschland GmbH in Stuttgart, unit: systems engineering (1989–1990).

Exchange student: Randolph High-School Senior year, Randolph Air Force Base, Texas, USA (1983–1984).