

Monograph

Achermann, Dania (2016): **Institutionelle Identität im Wandel: Zur Geschichte des Instituts für Physik der Atmosphäre in Oberpfaffenhofen**, Bielefeld: Transcript-Verlag, 309 pp.

Articles, Book Chapters, Reviews

Achermann, Dania (2020): **Vertical Glaciology: The second discovery of the third dimension in climate research**, *Centaurus*, Special Issue “Verticality in the History of Science”, [online first](#).

Achermann, Dania (2020): **Berner Nuklearphysiker revolutionierte die Klimaforschung**, *UniPress – Forschung und Wissenschaft an der Universität Bern* 176 (2020) „Klima und Nachhaltigkeit“, pp. 28-30, [link](#).

Achermann, Dania (2019): **Abgestaubt: Die neue Vielfalt in der Geschichte der Meteorologie und Klimaforschung**, *NTM Zeitschrift für Geschichte der Wissenschaften, Technik und Medizin* 27:2, pp. 201-214, [link](#).

Achermann, Dania (2019): **Snow and avalanche research as a patriotic duty? The institutionalization of a scientific discipline**, in: Julia Herzberg, Christian Kehrt and Franziska Torma (eds.). *Ice and Snow in the Cold War: Histories of Extreme Climatic Environments*. New York/Oxford: Berghahn Books, pp. 49-68.

Heymann, Matthias und Dania Achermann (2018): **From climatology to climate science in the 20th century**, in: Franz Mauelshagen, Samuel White and Christian Pfister (Eds.). *The Palgrave Handbook of Climate and History*. New York: Palgrave Macmillan, pp. 605-632, [link](#).

Achermann, Dania (2017): **Review “Peter Moore 2016: Das Wetter-Experiment: Von Himmelsbeobachtern und den Pionieren der Meteorologie, Hamburg: Mare, 560 S.”** *Technikgeschichte* 84:3, pp. 8-9.

Achermann, Dania (2016): **Conference Report** Workshop “1970s: Turn of an Era in the History of Science?”, Aarhus University 09/2015 (publ. 6.1.2016), [link](#).

Achermann, Dania (2013): **Die Eroberung der Atmosphäre: Wetterbeeinflussung in Süddeutschland zur Zeit des Kalten Krieges**, *Technikgeschichte* 80: 3, pp. 225-240.

Achermann, Dania (2013): **Research Abstract “A Case Study on the History of the Atmospheric Sciences”**, *Nova Acta Leopoldina: Abhandlungen der Deutschen Akademie der Naturforscher Leopoldina* 390:114, pp. 169-171.

Volkert, Hans und Dania Achermann (2012): **Roots, Foundation, and Achievements of the Institut für Physik der Atmosphäre**, in: Ulrich Schumann (ed.) *Atmospheric Physics: Background – Methods – Trends*, Berlin/Heidelberg: Springer, pp. 843-860.

Achermann, Dania (2010): **Conference Report** DFG-Netzwerktreffen „Atmosphäre & Algorithms“ Deutsches Museum, München 12/2010, [link](#).

Online Publications

- Achermann, Dania (2017): **History of Science Example: The Max Planck Institute for Meteorology as a historical phenomenon**, in: Johanna Baehr, Dania Achermann, Jörn Behrens, Michael Brüggemann, Thomas Frisius, M. Gleßner, J. Hartmann, Inga Hense, Lars Kaleschke, Lars Kutzbach, Simone Rödder and Jürgen Scheffran (Eds.) *M-Book-Script for the MA course "Scales in the Climate System"*, Hamburg, [link](#).
- Achermann, Dania (2010): **Die Schnee- und Lawinenforschung in der Schweiz: Merkmale und Bedingungen des Wandels hin zu einer modernen wissenschaftlichen Disziplin 1931-1943**, Lizentiatsarbeit Philosophische Fakultät Universität Zürich, November 2009, [link](#).

Manuscript Presentations

- 03/2016 **Changing Directions, Traditions and Paradigms: Hermann Flohn and the shift in German climatology**, Workshop „Modernizing climate in the environmental, atmospheric and geo-sciences: Nordic contributions and the international context“, KTH Royal Institute of Technology, Stockholm
- 11/2012 **Institutional Identities**, Junior Researchers Meeting, Center for Science Studies, Aarhus University
- 04/2011 **The investigation of artificial radioactivity at the *Institut für Physik der Atmosphäre* and its precursor 1955-1970**, Gordon Cain Conference „Chemical Weather, Chemical Climate: Body, Place, Planet in Historical Perspective“, Chemical Heritage Foundation, Philadelphia, USA

Invited Talks (selection)

- 02/2020 **Glaciers as Calendars: The practical and epistemic consequences of a concept in the 20th century**, History of Science Seminar, Niels Bohr Archive Copenhagen
- 12/2019 **Turning the vertical into time: How glaciology became a climate science**, Centre for Earth and Space Research (CITEUC Centro de investigação da terra e do espaço), Universidade de Coimbra, Portugal
- 12/2019 **The climate in the ice and how it got there: On the history of ice core science**, WSL-Distinguished Lecture, Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), Birmensdorf
- 01/2019 **Wie das Eis zum Klima kam: Zur Entstehung der Eisbohrkernforschung als Klimawissenschaft**, Public Lecture as part of the Modern History Research Colloquium, German Maritime Museum Bremerhaven and University of Bremen
- 02/2018 **'Ein Skandal der Vernachlässigung der Klimatologie!' Hermann Flohn und die Geschichte der Klimaforschung**, Meeting of the German Meteorological Society, German Weather Service, Offenbach a.M.
- 08/2017 **„Those who don't believe in Math“? On the role and perception of history in the climate sciences**, Workshop „Communicating the Climate: How to communicate scholarly findings on climate and weather in a controversial time“, Rachel Carson Center Munich
- 05/2017 **Changing Cultures of Climate Understanding: A historical perspective on climate modelling**, KlimaCampus Colloquium, Hamburg

- 02/2017 **Rescaling Climate: Computer Models, Ice Cores and Global Climate Change**, Centre for Environmental Humanities Inaugural Workshop, Aarhus University, Moesgaard, Denmark
- 11/2016 **Zwischen Klimakarten und Computersimulation: Zum Wandel der Klimaforschung im 20. Jahrhundert**, Research Colloquium of the Interdisciplinary Centre for Science and Technology Studies, (IZWT), University of Wuppertal
- 07/2015 **How Climate Modelling Changed a Discipline: Epistemic Authority and Marginalisation in Climatology, 1950s to 1980s**, General Assembly International Union of Geodesy and Geophysics (IUGG), Prague

Presentations (selection)

- 09/2020 **‘A strong back and love for snow and ice’: Diversification in glaciological research from the 19th to the 20th century**, European Society for the History of Science (ESHS) Biennial Conference, Bologna/virtual
- 09/2019 **New Technology for Old Ice: How glaciology transformed into a climate science**, panel “Instruments at Crossroads in Geophysical Sciences”, Scientific Instruments Symposium, University of Havana, Cuba
- 07/2019 **A History of Ice and Climate: The becoming of a new scientific discipline**, Panel “Aspects of the History of Cryospheric Sciences”, General Assembly International Union of Geodesy and Geophysics (IUGG), Montréal
- 09/2018 **From high atmosphere to deep time: On the role of ice core drilling in climate sciences**, Panel “Science in 3D: On the role of verticality in knowledge production”, European Society for the History of Science (ESHS) Biennial Conference, University College London
- 05/2017 **Neue Technologie für altes Eis: Der Eisbohrer als Bindeglied zwischen Glaziologie und Klimawissenschaft**, Annual Meeting Gesellschaft für Technikgeschichte (GTG) „Technisierte Umwelten“, Technical University Braunschweig, Germany
- 02/2017 **Climate research in Germany: Cultural shifts and the emergence of climate modelling, 1950s-1980s**, Research Colloquium, Centre for Science Studies, Aarhus University, Denmark
- 11/2016 **Die Einführung der numerischen Wettervorhersage in Deutschland und die Folgen für die Klimatologie**, Annual Meeting Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik (DGGMNT), Panel „Von Daten getrieben? Meteorologische und klimatologische Theoriebildung in historischer Perspektive“, University of Lübeck, Germany
- 07/2016 **How climate has become global**, EuroScience Open Forum (ESOF), Manchester
- 06/2016 **Drilling Deep and Back in Time: Ice-core research and global climate change knowledge**, Society for the History of Technology (SHOT) Annual Meeting, National University of Singapore
- 05/2016 **Investigating Shifts in Climate Research: The changing role of climate’s past**, Conference “Anthropology, Weather and Climate Change”, Royal Anthropological Institute of Great Britain and Ireland, British Museum, London
- 05/2016 **Drill Local – Think Global: The ‘eternal ice’ and the concept of a global climate**, International Association for the Study of the Commons (IASC) Regional Conference „Commons in a ‘Glocal’ World: Global Connections an Local Responses“, University of Bern, Switzerland

- 02/2016 **Negotiating Epistemic Shift: From Human-Scale Climatology to Global-Scale Climate Science**, Workshop “Experiencing the Global Environment”, Max Planck Institute for the History of Science, Berlin, Germany
- 08/2015 **When High Tech Meets Science: How the Computer Challenged Climatologists**, International Committee for the History of Technology (ICOHTEC) 42. Annual Meeting “History of High-Technologies and their Socio-Cultural Contexts”, Tel Aviv University, Israel
- 06/2015 **From Climatology to Climate Science: The Shift within the German Climatological Community, 1950s to 1980s**, Conference “Dealing with Climate Change: Calculus & Catastrophe in the Age of Simulation”, Institute for Advanced Studies on Media Cultures of Computer Simulation (MECS), Leuphana University, Lüneburg, Germany
- 11/2014 **Shaping Cultures of Prediction: Early History of Climate modelling**, Workshop “Climate in Meteorology, Meteorology in Climate Studies”, University of Bergen, Norway
- 09/2013 **Die Atmosphäre als Machtraum im Kalten Krieg**, Annual Meeting DGGMNT, „Eiserne Vorhänge im Wissensfluss“, Friedrich-Schiller-University Jena, Germany
- 07/2013 **Scientists, Gliders, Service Providers: Identities of an Atmospheric Science Institution in Cold War Germany**, Davos Atmosphere and Cryosphere Assembly DACA-13, IUGG (IAMAS & IACS), Davos, Switzerland
- 04/2013 **The Atmosphere as a Space of Power Constitution: Weather Modification in Cold War Germany**, Graduate Conference in European History GRACEH, Central European University, Budapest, Hungary
- 10/2012 **‘Conquering the Atmosphere’: Weather Modification in Cold War Germany**, SHOT Annual Meeting, Copenhagen