

Workshop “Integrated History and Philosophy of Climate Data”

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Organisers: Dania Achermann and Julie Jebeile (University of Bern, Oeschger Centre for Climate Change Research)

Time: 25-27 August 2021

Location: University of Bern, Switzerland

Wednesday 25 August 2021

09:00-09:30 Welcoming and introduction (Dania Achermann and Julie Jebeile)

09:30-10:30 **Matthias Heymann** (Aarhus University) *The science and politics of weather and climate prediction*

10:30-11:00 Coffee break

11:00-11:30 **Devin Short** (University of Washington) *Showing Our Work: The Role of History in the Philosophy of Climate Modeling*

11:30-12:00 **Federica Bocchi** (Boston University) *Making Global Data vs Making Data Global: Comparing Climate and Biodiversity*

12:00-13:30 Lunch

13:30-14:00 **Robert Naylor** (University of Manchester) *From Lightning to Lighting: The UK Electricity Industry’s Dynamic Climate Data Archive*

14:00-14:30 **Aja Watkins** (Boston University) *The Earth as its Own Analogue Model: How Paleoclimate Data Inform Climate Projections*

14:30-15:00 Coffee break

15:00-16:00 **Alisa Bokulich** (Boston University) *The Holocene Temperature Conundrum: Lessons for and from the Philosophy of Data*

Thursday 26 August 2021

09:30-10:30 **Stefan Brönnimann** (Universität Bern, OCCR) *What and how do we learn from historical climate data?*

10:30-11:00 **Abiodun Paul Afolabi** (Rhodes University, South Africa) *Accessibility or Vested Interests: Why the Paucity of Climate Data in Africa?*

11:00-11:30 Coffee break

11:30-12:00 **Richard Staley** (University of Cambridge) *Sea sediment cores, multi-proxy data and the emergence of paleoclimatology: The significance of place in 'Pacemaker of the Ice Ages'*

12:00-13:30 Lunch

13:30-14:30 **Ralf Hand** (Universität Bern, OCCR) *Historical climate data and supercomputers – how do these two fit together?*

14:30-15:30 **Gabriele Gramelsberger** (RWTH Aachen) *Using machine learning for tackling the cloud parametrization deadlock in climate models*

15:30-16:00 Coffee break

16:00-16:30 **Leticia A. Castillo Brache** (Boston University) *Forward and Inverse Modeling in the Production of Paleoclimate Data: Model-Data Symbiosis and the role of Mid-Range Theories*

Friday 27 August 2021

09:30-10:00 **Erik Isberg** (KTH Royal Institute of Technology, Stockholm) *Frozen archives on the go: Ice core data and planetary-scale environmental knowledge*

10:00-10:30 Coffee break

10:30-11:30 **Marina Baldissera Pacchetti** (University of Leeds) *Weaving the seams of weather and climate: how history can help us understand the opportunities of and barriers to seamless prediction efforts*

11:30-12:30 Commentary and Final discussions