



Rachel Carson Center

The Rachel Carson Center is a joint initiative of LMU University Munich and the Deutsches Museum. Generously supported by the German Ministry of Research and Education, its goal is to further research and discussion in the field of international environmental studies and to strengthen the role of the humanities in the current political and scientific debates about the environment.

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DFG Research Network “Atmosphere & Algorithms”

The DFG Research Network brings together researchers from history and philosophy of atmospheric science with researchers from atmospheric science. Since forecasting algorithms have increasingly gained ground in meteorology in the 1950s and since the Charney Report posed the question of climate sensitivity in 1979, modelling has paved the way of meteorology to climate change science and policy. The goal of the network is to discuss the ongoing developments in atmospheric science (weather and climate science) due to the use of computer based models. (Next meeting is on ‘Visualizing Climate’ at the University of Potsdam in spring 2011)

Program

16. December 2010, 2pm - 6pm (meeting, RCC)

- *Research at the Rachel Carson Center* Helmuth Trischler, Co-Director of the Rachel Carson Center Munich
- *Results of the ESF workshop on computer-based modelling* Matthias Heymann, Department of Science Studies, Aarhus University
- *Meetings and aims of the DFG research network* Gabriele Gramelsberger, Institute of Philosophy, FU Berlin
- *Current research projects and interests* Network Participants and Guests (10 min each)
- *Discussion*

17. December 2010, 10 am - 2 pm (public workshop, Deutsches Museum, Library, Seminar Room)

- *Is complexity the new framework for the study of global life* Emilian Kawalski, University of Western Sydney/RCC Fellow
- *Model migrations: Mobility and boundary crossings in regional climate prediction* Martin Mahony, School of Environmental Sciences, University of East Anglia
- *Mapping uncertainty in environmental computer simulation modeling* Catharina Landström, School of Environmental Sciences, University of East Anglia
- *Assessing and communicating uncertainties in regional changes in weather extremes caused by global warming* Arthur Petersen, Netherlands Environmental Assessment Agency
- *Models, trust and institutions: How can we gain an understanding of computer simulation?* Matthias Heymann, Department of Science Studies, Aarhus University

DFG Research Network (December 2010 meeting)

Network: Dania Achermann (IPA Oberpfaffenhofen/RCC Munich), Johann Feichter (MPI Meteorology Hamburg/ETH Zürich), Gabriele Gramelsberger (FU Berlin), Matthias Heymann (Aarhus University), Catharina Landström (University of East Anglia), Cornelia Luedecke (German Meteorological Society), Sonja Palfner (TU Berlin), Arthur Petersen (Netherlands Environmental Assessment Agency), Birgit Schneider (University of Potsdam), Mikaela Sundberg (University of Stockholm), Helmuth Trischler (RCC Munich), Hans Volkert (IPA Oberpfaffenhofen). **Guests:** Helene Guillemont (CNRS A. Koyré Paris), Matthijs V. Kouw (University of Maastricht), Thomas Ludwig (DKRZ Hamburg), Martin Mahony (University of East Anglia).