

Curriculum Vitae
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Annette Rinke
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EDUCATION

Aug. 1988: Ph.D., Humboldt University, Berlin, Germany.

Title: The importance of baroclinic unstable wave processes for quasistationary large-scale atmospheric structures on the basis of a spectral low-order model.

Jul. 1986: Diploma thesis, Humboldt University, Berlin.

APPOINTMENTS

Apr. 2002 - present: Senior scientist, Alfred Wegener Institute for Polar and Marine Research, Department "Atmospheric circulation", Potsdam.

Sep. 1988 - Mar. 2002: Scientist, German Weather Service, Berlin.

REFEREED PUBLICATIONS

40 peer-reviewed papers

Selected key publications of the last 5 years:

Dorn, W., K. Dethloff, A. Rinke, et al., 2007: Sensitivities and uncertainties in a coupled regional atmosphere-ocean-ice model with respect to the simulation of Arctic sea-ice. *J. Geophys. Res.*, 112, D10118, doi: 10.1029/2006JD007814

Rinke, A., W. Maslowski, K. Dethloff, J. Clement, 2006: Influence of sea ice on the atmosphere: A study with an Arctic atmospheric regional climate model. *J. Geophys. Res.*, 111, D16103, doi: 10.1029/2005JD006957.

Rinke, A., and 18 coauthors, 2006: Evaluation of an ensemble of Arctic regional climate models: Spatiotemporal fields during the SHEBA year, *Clim. Dyn.*, 26, 459-472, doi:10.1007/s00382-005-0095-3

Dethloff, K., Rinke, A., et al., 2006: A dynamical link between the Arctic and the global climate system. *Geophys. Res. Lett.*, 33, L03703, doi: 10.1029/2005GL025245.

Saha, S., A. Rinke, K. Dethloff, 2006: Future winter extreme temperature and precipitation events in the Arctic, *Geophys. Res. Lett.*, 33, L15818, doi: 10.1029/2006GL026451.

Saha, S., A. Rinke, K. Dethloff, P. Kuhry, 2006: Influence of complex landsurface scheme on Arctic climate simulations. *J. Geophys. Res.*, 111, D22104, doi: 10.1029/2006JD007188

Treffeisen, R., A. Rinke, et al., 2005: An estimation on the radiative effects of Arctic aerosols using two different aerosol data sets: A case study for March 2000, *Atmos. Env.*, 39, 899-911.

- Rinke, A., K. Dethloff, M. Fortmann, 2004: Regional climate effects of Arctic haze, *Geophys. Res. Lett.*, Vol. 31, L16202, doi: 10.1029/2004GL020318
- Rinke, A., R. Gerdes, K. Dethloff, et al., 2003: A case study of the anomalous Arctic sea ice conditions during 1990: Insights from coupled and uncoupled regional climate model simulations, *J. Geophys. Res.*, 108, 4275, doi: 10.1029/2002JD003146
- Dorn, W., K. Dethloff, A. Rinke, 2003: Competition of NAO regime changes and increasing greenhouse gases and aerosols with respect to Arctic climate estimate, *Clim. Dyn.*, 21, 447-458. doi: 10.1007/s00382-003-0344-2

PROFESSIONAL ACTIVITIES

- Leading author to AR4 of International Panel on Climate Change (IPCC) 2007.
- Consulting author to Arctic Climate Impact Assessment Report (ACIA) 2005.
- Contributing author to TAR of International Panel on Climate Change (IPCC) 2001.
- Student supervisory
- Teaching of climate physics at the University of Potsdam
- Acquisition of national and international grants
- Reviewer for scientific journals and international climate research programmes