

CV - Dr. Martin Stendel

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Senior Scientist at the Danish Climate Centre Danish Meteorological Institute

Personal information:

Date of birth: 5 December 1961, Hannover, Germany
Nationality: German
Education: M.Sc. in Meteorology, University of Cologne, Germany, 1988
Ph.D. in Meteorology, University of Cologne, Germany, 1993

Employment record:

2006-	Danish Meteorological Institute, Copenhagen	Senior Researcher
1998-2006	Danish Meteorological Institute, Copenhagen	Researcher
1994-1998	Max Planck Institute for Meteorology, Hamburg	Post-Doc

Publications/teaching/funding:

- 11 publications in peer reviewed international journals, 4 book contributions, 13 reports, 4 TV and radio programs, 9 newspaper articles. Principal investigator in several national and EU-funded projects.
- Expert advisor in the Third World Academy of Sciences project AIACC (Assessments of impacts and adaptations to climate change), which was jointly funded by the UN, several US and Canadian development agencies and the World Bank and aimed to enhance the scientific capacity within developing countries to assess climate change vulnerabilities and adaptations.

Selected peer-reviewed publications:

- Stendel, M., J.H. Christensen and D. Petersen (2008) Arctic climate and climate change with a focus on Greenland. In: Meltofte, H., T.R. Christensen, B. Elberling, M.C. Forchhammer and M. Rasch (eds.): High Arctic ecosystem dynamics in a changing climate - Ten years of monitoring and research at Zackenberg Research Station, Northeast Greenland. *Adv. in Ecol. Res* **40**, 13-43, Elsevier, 10.1016/S0065-2504(07)00002-5.
- Stendel M, Romanovsky VE, Christensen JH and Sazonova T (2007). Using dynamical downscaling to close the gap between global change scenarios and local permafrost dynamics. *Glob. Plan. Change* **56**, 203-214.
- Dethloff K, Rinke A, Benkel A, Køltzow M, Sokolova E, Kumar Saha S, Handorf D, Dorn W, Rockel B, von Storch H, Haugen JE, Røed LP, Roeckner E, Christensen JH and Stendel M (2006). A dynamical link between the Arctic and the global climate system. *Geophys. Res. Lett.* **33**, 10.1029/2005GL025245.
- Stendel M, Mogensen IA and Christensen JH (2006). Influence of various forcings on global climate in historical times using a coupled atmosphere-ocean general circulation model. *Clim. Dyn.* **26**, 1-15.
- Gleisner, H., P. Thejll, M. Stendel, E. Kaas and B. Machenhauer, 2005: Solar signals in tropospheric re-analysis data: comparing NCEP/NCAR and ERA40. *J. Atm. Solar-Terr. Phys.* **67**, 785-791.
- Stendel M and Christensen JH (2002). Impact of global warming on permafrost conditions in a coupled GCM. *Geophys. Res. Lett.* **29**, 10.1029/2001GL014345.
- Christy, J.R., D.E. Parker, S.J. Brown, I. Macadam, M. Stendel and W.B. Norris (2001) Differential trends in tropical sea surface and atmospheric temperatures since 1979. *Geophys. Res. Lett.* **28**, 183-186.
- Stendel M, Christy JR and Bengtsson L (2000). Assessing levels of uncertainty in recent temperature time series. *Clim. Dyn.* **16**, 587-601.
- Bengtsson, L, Roeckner E and Stendel M (1999). Why is the global warming proceeding much slower than expected? *J. Geophys. Res.* **104**, 3865-3876.

Other professional duties and experiences

- Member of American Geophysical Union (AGU) and Danish Meteorological Society (DaMS)
- Contributor to the Third and Fourth Assessment Reports of the IPCC.
- Referee for various international research councils.
- Referee for numerous scientific journals, including Science, Journal of Geophysical Research, Geophysical Research Letters, Journal of Climate, Climate Dynamics, Meteorology and Atmospheric Physics, Theoretical and Applied Meteorology, Climate of the Past and Boreal Environment Research.