

Curriculum Vitae – Torben Koenigk

Personal Data

Name Torben Koenigk (birth name: Kahl)
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Date of birth 20 January 1976
Nationality German and Swedish
[Link to personal webpage at SMHI](#)

Education

10/1996-1/2002 Studies of meteorology at the University of Kiel
1/2002 Diploma in meteorology
Diploma thesis: Water vapour budget in the BALTEX-Area
4/2002-7/2005 PhD-thesis at the Max-Planck-Institute for Meteorology, Hamburg/
Germany: Sea ice export through Fram Strait: Variability and
interactions with climate
7/2005 PhD in oceanography at the University of Hamburg

Academic Positions

7/2005-01/2008 Postdoctoral research scientist at the Max-Planck-Institute for
Meteorology, Hamburg/ Germany
Since 02/2008 Research scientist at SMHI, Norrköping/ Sweden
01/2015 - 05/2019 Research Leader at Rossby Centre/ SMHI,
Topic: Climate Variability and Prediction
Since 09/2018 Co-Leader Research Area 1 of Bolin Centre of Climate Research at
Stockholm University: Ocean atmosphere dynamics and climate
Since 06/2019 Head, Global Climate Modelling, Rossby Centre/ SMHI

Research Topics

- Development of the global coupled model EC-Earth
- Coupled ocean-atmosphere-sea ice processes in mid and high northern latitudes
- Climate variability, predictability and future projections

Research grants received in competition

- **Swedish Research Council FORMAS – COCLIM19:** Co-benefits of green recovery packages for climate and society in response to the COVID-19 crisis (Project-leader)
- **VINNOVA - CLAIRE:** AI in the service of the climate (WP-leader)
- **Swedish Research Council VR:** Arctic climate in the Last Interglacial: An analogue for the future (WP-leader)
- **EU-H2020 – PRIMAVERA:** Process-based climate simulation: Advances in high-resolution modelling and European risk assessment (Work-package-leader)
- **Swedish Research Council FORMAS – REGTREND:** Quantifying uncertainties in regional climate trends and its implications for adaptation decision-making (Project-leader)
- **NordForsk – ARCPATH:** Arctic Climate Predictions: Pathways to Resilient, Sustainable Societies (WP-leader)
- **JPI-Belmont – InterDec:** The potential of seasonal-to-decadal-scale inter-regional linkages to advance climate predictions (Task-leader)

- **NordForsk - GREENICE:** Impacts of Future Sea-Ice and Snow Cover Changes on Climate, Green Growth and Society
- **NordForsk – TRACE:** The role of the Atlantic in constraining Eurasian climate change
- **Swedish Research Council VR - GIWA:** Greenland in a warming Arctic

Participation in other old projects

- **EU-FP7 – SPECS:** Seasonal to decadal climate prediction for the improvement of European Climate Services
- **EU-FP7 - EMBRACE:** Earth system model bias reduction and abrupt climate change
- **EU-FP7 – COMBINE:** Comprehensive Modelling of the Earth System for better Climate Prediction and Projection
- **Swedish Research Council FORMAS – ADSIMNOR:** Advanced Simulation of Arctic Climate Change and Impact on Northern Regions (WP-leader)
- **EU-FP6 – DAMOCLES:** Developing Arctic Modeling and Observing Capabilities for Long-term Environmental Studies (EU-FP6)
- **German Research Council DFG:** Cyclones and the North Atlantic Climate System

Other merits

- Member of the EC-Earth Steering Group (since May 2020)
- Member of Science Advisory Group of the Bolin Centre for Climate Research (since 2018)
- Chair of the Ocean and Sea Ice Group of the international EC-Earth Consortium (2013-2020)
- Coordinator of the EGU-Session: Polar Climate Predictability and Prediction (2015 - 2021)
- Co-Coordinator of Polar2018-Session: Seeing the Future: Predicting Variability and Change of the Polar Climate and Environment
- 60 publications in peer-reviewed journals
- Co-author of the AMAP 2017 report: Adaptation Actions for a Changing Arctic: Perspectives from the Barents Area. Arctic Monitoring and Assessment Programme (AMAP).
- Co-author of the National Swedish Arctic Report 2016.
- Reviews of research articles in peer-reviewed journals (Nature, J Clim, J Geo Res, Clim Dyn, Geophys Res Lett, Tellus, Polar Res, Ocean Science, Atmos Chem Phys, The Cryosphere, JES Science, Clim Past, Met Zeitschrift).
- Reviews of project proposals: National Science Foundation (NSF), German Research Foundation (DFG), Dutch Research Foundation (NWO).