

David Lindstedt

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RESEARCH INTERESTS: The effect of parametrized versus explicit handling of the convective transport.
Scientific and technical challenges related to convection-permitting climate modelling.
Precipitation extremes in a changing climate.

EDUCATION:

- Ph.D (ongoing)* Atmospheric Science; Stockholm University, Sweden, (11/2011-09/2017)
- Topic: Representing regional precipitation variability and extremes in High Resolution Climate Models
 - Supervisor: Colin Jones (MetOffice), Gunilla Svensson (Stockholm University)
- M.Sc.* Atmospheric Science; Stockholm University, Sweden, (08/2004-06/2008)
- Thesis Topic: "Effekter av djupvattenomblandningen i Östersjön - en modellstudie (Effects of deep water circulation in the Baltic Sea - a model study)"
 - Supervisor: Markus Meier (SMHI)

PROFESSIONAL EXPERIENCE: *SMHI, Rossby Centre - climate researcher (09/2010-)*

- Regional climate modeling, Development of high resolution numerical models

SMHI, Safety and Environment (06/2008-09/2010)

- Large Eddy Simulations (LES), Computational Fluid Dynamics (CFD), Dispersion modeling

PUBLICATIONS:

Lindstedt, D., Lind, P., Jones, C. and Kjellström, E: A new regional climate model operating at the meso-gamma scale; performance over Europe. *Tellus A*, 67.

Lind, P., **Lindstedt, D.**, Jones, C. and Kjellström, E: Spatial and temporal characteristics of summer precipitation over Central Europe in a suite of high-resolution climate model. *Journal of Climate*, Vol. 29, no 10, 3501-3518 p.