

## Petter Lind

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RESEARCH INTERESTS: Regional climate modeling, hydrological cycle, convection, precipitation variability and extremes, statistical analysis.

### EDUCATION:

- Ph.D (ongoing)* Atmospheric Science; Stockholm University, Sweden, (10/2011-10/2016)  
· Topic: Studies of atmospheric moist processes in high-resolution climate models, with focus on simulated precipitation variability and extremes.  
· Supervisor: Erik Kjellström (SMHI), Michael Tjernström (Stockholm University)
- M.Sc.* Atmospheric Science; Stockholm University, Sweden, (08/2003-06/2007)  
· Thesis Topic: "Investigation of the water and energy budgets in the BALTEX area, as simulated in a regional climate model"  
· Supervisor: Erik Kjellström (SMHI)

### PROFESSIONAL EXPERIENCE:

- SMHI, Rossby Centre - climate researcher* (09/2011-)  
· Regional climate modeling; Model evaluation and development; Statistical analysis.
- SMHI, National Weather Forecast Service* (01/2008-08/2011)  
· Weather forecast production; Warning dissemination service; Mountain meteorology; Education in atm. convection.
- SMHI, Rossby Centre - internship* (07/2007-12/2007)  
· Evaluation CMIP3 global climate models and RCA regional climate model on the simulation of temperature and precipitation.

### PUBLICATIONS:

- Peer Reviewed:* Lind, P. and Kjellström, E. 2009: Water budget in the Baltic Sea drainage basin: Evaluation of simulated fluxes in a regional climate model. *Boreal Env. Res.* 14: 56-67.
- Kjellström, E. and Lind, P. 2009: Changes in the water budget in the Baltic Sea drainage basin in future warmer climates as simulated by the regional climate model RCA3. *Boreal Env. Res.* 14: 114-124.
- Lindstedt, D., Lind, P., Kjellström, E. and Jones, C. 2015: A new regional climate model operating at the meso-gamma scale: performance over Europe. *Tellus A* (**67**), 13: 7889-7907. DOI: 10.3402/tellusa.v67.24138
- Lind, P., Lindstedt, D., Kjellström, E. and Jones, C. 2016: Spatial and temporal characteristics of summer precipitation over central Europe in a suite of high-resolution climate models *J. Clim.* (**29**), 10: 3501-3518. DOI: 10.1175/JCLI-D-15-0463.1
- Other:* Lind, P. and Kjellström, E. 2008: Temperature and precipitation changes in Sweden, a wide range of model-based projections for the 21st century. SMHI RMK No 113 (Report Meteorology and Climatology).

### COMPUTING SKILLS:

- Languages:*  
· Python, R, Matlab, some Fortran, L<sup>A</sup>T<sub>E</sub>X, bash