

CURRICULUM VITAE – Gustav Strandberg

2016-05-03

PERSONAL DATA

Name: Gustav Strandberg

Nationality: Swedish

Place and Date of birth: Eskilstuna, Sweden, October 4, 1977

Address: SMHI, S-601 76 Norrköping, Sweden. (Tel. +46 11 4958268)

E-mail adress: gustav.strandberg@smhi.se

PRESENT EMPLOYMENT

Since 2005 I'm working as researcher at the Rossby Centre that is the climate modeling center of the Swedish Meteorological and Hydrological Institute (SMHI), Norrköping, Sweden.

RESEARCH INTERESTS

Studies of paleo climate are interesting both as a way to test climate models and as a way to understand the climate system better. In my research I model past climates, spanning the last 20,000 years, with a regional climate model. The results are compared with proxy data to evaluate the model. If the model and proxies agree the model has also the potential to fill the gaps between the sparse points where we have proxy data and in that way increase our understanding of the modeled time period. A part of the research is the comparison of model results and proxy data itself. Since models and data don't represent the same things they can't always be directly compared.

A particular interest in the paleo simulations is the interaction between vegetation and climate. The forcing on climate from changing vegetation can be of the same magnitude as greenhouse-gas forcing, vegetation changes have had a large impact on past climate. This is investigated by making several model simulations with different vegetation cover.

Another research interest is future climate changes and how these will impact society. The question here is not only how climate will change, but also how this information will be conveyed to adaptation planners and the general public, for example how uncertainties are expressed in a useful way.

PREVIOUS ACADEMIC EMPLOYMENTS

□ PhD-student at Uppsala University 2000-2003.

EDUCATION

Formal degrees

□ M.Sc., Physics, Meteorology, Uppsala University, 2000.

□ Ph.Lic. Physics, Atmospheric discharges, Uppsala University, 2003.

□ Ph.Lic. Physics, Meteorology, Stockholm University, 2015.

PERIODS OF ABSENCE

During periods in 2010-2012 I was on parental leave for a total of 16 months.

PROJECT EXPERIENCE

- Climate extremes in Sweden in a 100.000-year perspective, SKB-funded
- LANDCLIM, Vetenskapsrådet
- HELIX, EU FP7
- PRIMAVERA, EU FP7

COMMITMENTS AND AWARDS

Reviewing

- Climatic Change (1), Climate Dynamics (1), Climate of the Past (>1).