

CV **Camilla Margareta Andersson**

Born	Norrköping, Sweden, June 12 1979	E-mail	camilla.andersson@smhi.se
		Gender	Female
Nationality	Swedish		
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Academic degrees

2019 Associate professor in meteorology at Uppsala University achieved 12 March 2019.
2009 PhD in applied environmental science at Stockholm University achieved 3 April 2009.
Andersson, C. "Air pollution dependency on Climate Variability and Source region – Past, current and Future Air pollution scenarios over Europe", supervisors HC Hansson and Christer Johansson (Stockholm University) and Joakim Langner (SMHI).
2005 Master of Science in Engineering Physics at Chalmers Technical University, Gothenburg, Sweden.

Employment

2015 - Research leader at SMHI (the Swedish Met-Office, <http://www.smhi.se>), air quality unit. 100% research.
Responsibility for research and development in regional air quality modelling and effects at SMHI.
2010 - Researcher at SMHI, air quality unit. 100% research.
Air pollution modelling of environmental and health impacts, and interaction with climate change. Model development. Aerosol dynamics, atmospheric chemistry, emission, transport, transformation and deposition of air pollutants. Project leadership.
2008-2010 Air Quality Consultant, SMHI.
Program manager and teacher in Air Pollution Management courses for developing countries; developer of air pollution management systems.
2005-2009 PhD student in applied environmental science at the Stockholm University, Department of Applied Environmental Research.
2002-2005 Researcher in Air Quality modelling at SMHI during summer vacation and part-time during the rest of the year during my undergraduate studies.
2000-2001 Researcher in Remote Sensing during summer and part-time during the rest of the year.

Scientific (past and present) focus

Hemispheric (northern) – regional (ca. 20kmx20km) - urban (1x1km) scale Eulerian dispersion model development and application within the following fields:

- Surface ozone, particle mass (PM10, PM2.5, PM1) and speciation including elemental and organic carbon, deposition of sulphur and nitrogen
- Aerosol dynamics; including number, chemistry and aging
- State of the environment, including data assimilation (variational analysis)
- Long-term reanalyses of Air Quality
- Impact of climate change and variability in meteorology on air quality over Europe
- Source attributions to changes in air pollution load, e.g. from residential wood combustion, road traffic, shipping, including its relation to changes in meteorology
- Impacts on human health and vegetation by air pollution
- Applying Lagrangian models to analyse observed air pollution data

Publications (summary; Web of Science)

Peer-reviewed papers total: 27
Peer-reviewed papers 2015-18: 17

h-factor: 12
Number of citations: 459

Current research projects

- 2019-2022 BioDiv-Support – research programme funded by BiodivERsA/Belmont forum (national funder FORMAS) (**Coordinator**)
- 2015-2020 Nordic WelfAir – research programme funded by NordForsk (**WP leader**)
- 2017-2019 SCAC2 – research programme funded by the Swedish EPA (**WP leader**)
- 2016-2019 Epitome – research funded by NMR

Project leadership (selected)

- 2019-2022 International research programme BioDiv-Support, funded by BiodivERsA/Belmont forum (FORMAS for Sweden) (**Coordinator**)
- 2015-2020 International research programme Nordic WelfAir, funded by NordForsk. (**WP leader**)
- 2017-2019 National research programme SCAC2 – research programme funded by the Swedish EPA (**WP leader**)
- 2013-2015 International research programme ACCEPTED, funded by the Swedish EPA as a partner in ERA-ENVHEALTH. (**WP leader**)
- 2009-2010 Air Pollution Management for India, international training programme funded by the Swedish International Development Agency. (**Programme manager**)
- 2009- Project leadership at SMHI within numerous projects, e.g. the research programme SCARP and annual Swedish environmental monitoring/mapping.

Scientific exchange

- 2007-2008 Guest scientist during 9 weeks to Joint Research Centre in Ispra, Italy. Funded by INTROP.

Student supervision and teaching

- 2017-2018 Main supervisor for Ulrica Sievert's diploma work (Master Thesis), Uppsala University, Sweden.
- 2011- Guest lecturer (ca. 16 lecture hours per year) at Uppsala University, Sweden, for Master students in Meteorology and Environment
- 2011- Supervisor for 7 students at Uppsala University in the course applied meteorology
- 2011 Main supervisor for Oskar Jönsson's diploma work (Master Thesis), University of Linköping, Sweden.
- 2007-2011 Lecturer and scientific advisor for the international training programme in Air Pollution Management programmes at SMHI (SIDA ITP): 2007-2010: 5 weeks/year (international), 2009-2010 4 weeks/year (India). Organiser of regional 1-week seminar in Santiago, Chile (2010), Pune, India (2010) and Aurangabad, India (2011). Supervisor of 6 people from developing countries (Chile, China and India) within the field of air quality.

Experience in communication of results to stake holders and end users (selected)

- 2018 Interview in P4 Kalmar, regarding Saharan dust sedimentation on Öland, Nov 2, 2018.
- 2018 Interview with Peter Boström, Ölandsbladet, regarding Saharan dust sedimentation on Öland, Nov 2, 2018.
- 2017 Interview on Swedish public radio P4, Kristianstad (Sept 22, 2017). Regarding small scale wood combustion.
- 2016 Interview in FORMAS paper EXTRACT on health impacts of small scale wood combustion by Catherine Beijer: <http://www.extrakt.se/miljogifter-och-kemikalier/sa-undviker-du-farliga-partiklar-nar-du-eldar/> . A spin-off in the FORMAS digital Advent Calendar, on Dec 1 <http://www.formas.se/sv/Julkalender/jul-01/>
- 2011 Interview in Swedish Public Radio, P1, “Vetenskapsradion” and “Vetandets värld” (Scientific News radio shows), on the Grimsvatn (Iceland) volcano eruption
- 2010- Contributions to popular science articles and reports on the SMHI web site and elsewhere.

- 2013- Contributions to newsletters (e.g. ACCEPTED, Nordic WelfAir, SMHI air quality)
- 2007- Presentations at end users / stake holders meetings in projects.
- 2010- Presentations at the Swedish EPA.
- 2008 Contributor by model results to EEA report: "Impacts of Europe's changing climate – 2008. Indicator-based assessment." *EEA report 4/2008*.
- 2007 Presentation at Saltsjöbaden 3. Andersson, C., Langner, J. and Bergström, R. End users / stake holders present (e.g. EMEP, EEA, EU, Swedish EPA, JRC). "Dependence of past air pollution on meteorology over Europe."

Awards and special commissions

- 2012- Scientific evaluator for e.g. the Icelandic research council, the EU
- 2010-2012 Member of the scientific reference group to the project Baltic PoP (financed by the Swedish EPA).
- 2011 Invited speaker at the Joint Research Centre in Ispra, Italy.
- 2011 Reviewer to PhD project application sent to the Icelandic Research Fund for Graduate Students.
- 2008 Member of the education counsel at ITM, Stockholm University.
- 2005 Awarded best student poster at the NOSA conference.