

Curriculum vitae – Camilla Andersson

Personal information

Born: Norrköping, Sweden, June 12, 1979; Nationality: Swedish

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Education (relevant)

Docent in Meteorology, Uppsala University, March 12, 2019

PhD in Applied environmental science, Stockholm University, Main supervisor Prof. HC Hansson, April 3, 2009.

Employment (relevant)

Swedish focal point alternate in IPCC, Swedish meteorological and hydrological institute (SMHI), 2022 - onward (50%)

Senior researcher, SMHI, 2022 - onward (50% research)

Research leader, SMHI, 2015 – 2021 (100% research incl. 50% research leadership)

Researcher, SMHI, 2010 – 2014 (100% research)

Publication summary (Researcher ID B-7580-2014; publons/web of science)

Total number of peer-reviewed international journal articles: 41

Total number of citations without self-citations: 924 h-index: 19

Major awarded research grants (selected, funds to SMHI)

2019-2022 BioDiv-Support, BiodivERsA/Belmont forum/ FORMAS (Coordinator), 5 MSEK.

2015-2022 Nordic WelfAir, NordForsk (WP leader), 2.63 MNOK

Previous: 2017-2020 SCAC-2, Swedish Clean Air and Climate Research Program (WP leader, www.scac.se), Swedish EPA 1,95 MSEK; 2016-2018 EPITOME, Nordic Ministry Council, 429 kSEK

Commission of trust (selected)

Steering Committé member, Measurement model fusion of global total atmospheric deposition (MMF-GTAD), WMO, 2019-onward

Grant proposal reviewer for the Icelandic research council, European research council, the Swedish energy authority.

PhD Thesis evaluator, committee member for two PhD theses at Uppsala University (2018) and Stockholm University (2019).

Referee of scientific journals including *Atmospheric Chemistry and Physics*, *atmospheric environment*, *Climate research*, *Environmental Science and Technology*, *J. Geophysical research*.

Scientific advisory board member for Baltic PoP.

Supervisor

Main supervisor master, Ulrica Sievert, Uppsala University, 2018.

Main supervisor master, Oskar Jönsson, Linköping University, 2011.

Teaching activities:

Guest lecturer (ca. 16 lecture hours per year) at Uppsala University, Sweden, for Master students in Meteorology and Environment, 2011-onward

Supervisor for 7 students at Uppsala University in the course Applied meteorology. 2011-onward

2007-2011 Lecturer, scientific advisor, organiser of seminars for the international training programme in Air Pollution Management programmes at SMHI (SIDA ITP).

Communication and dissemination (selected, recent)

The position as IPCC focal point involves communication and dissemination activities to policy makers, media and the general public, and coordination between Swedish and international authorities.

Presentations at research dissemination events both related to projects and otherwise, e.g. IVL's 20 years of Swedish air quality research, 2021; SCAC final meeting, 2021.

Newsletters and summaries for policy makers in research projects, e.g. in EPITOME, BIODIV-Support, ACCEPTED, SCAC, SCAC2.

Contributions and interviews to popular science articles, reports, radio programmes, news articles, e.g. P3 dystopia on air quality, 2021; SVT vetenskap (e.g. on covid pandemic impacts on air quality),

2021; BBC on air pollution (interview only), 2021; support to SMHI kundtjänst regarding air quality 2010-onward including Forskning och Framsteg, 2021, SMHI web site popular articles e.g. <https://www.smhi.se/forskning/forskningsnyheter/luftmiljoforskning-med-blick-mot-framtiden-1.176996> .

Stakeholder meetings with relevant Swedish authorities for developing a web tool for policy planning in BioDiv-Support (2019-2022).

Leadership

Coordinator, 2019-2022 BioDiv-Support

WP leader: 2015-2022 Nordic WelfAir; 2017-2020 SCAC-2; 2013-2015 ACCEPTED

WMO Steering Committé, 2020-onward

Programme manager, air pollution management for India, international training programme, SIDA. 2009-2010.

Deductible time

18 months as air quality consultant, SMHI, 2009-2010 (0% research)

Major collaborations

FMI, Met-No, SU, UU, UmU, IVL, LU, GU, AU (DK), INERIS, CIEMAT, BiK-F, KI, EMEP, Environment Canada, JRC, US EPA, Rosaby centre

Scientific networks

IPCC, WMO, JRC, ICP Forest, ICP Vegetation, WGE, TFMM, TFRN, CAMS, EMEP, Euro-Cordex, international authorities on climate and air pollution research.

10 selected publications

2021 Geels, C., Winther, M., **Andersson, C.**, Jalkanen, J.P., Brandt, J., Frohn, L.M., Im, U., Leung, W., Christensen, J.H. Projections of shipping emissions and the related impact on air pollution and human health in the Nordic region. *Atmospheric Chemistry and Physics* 21, 12495-12519.

2021 Tornevi, A., **Andersson, C.**, Carvalho, A.C., Langner, J., Stenfors, N., Forsberg, B. Respiratory health effects of wildfire smoke during summer of 2018 in te Jämtland Härjedalen Region, Sweden. *Int. J. Environ. Res. Public Health*, 18, 6987. <https://doi.org/10.3390/ijerph1813987>

2020 Johansson, J.M., Watne, Å.K., Karlsson, P.E., Pihl Karlsson, G., Danielsson, H., **Andersson, C.** and Pleijel, H. The European heat wave of 2018 and its promotion of the ozone climate penalty in southwest Sweden. *Boreal Environ. Res.* 25:39-50. <http://www.borenav.net/BER/pdfs/ber25/ber25-039-050.pdf>

2019 Theobald, M., Vivanco, M.G., Aas, W., **Andersson, C.**, et al. An evaluation of European nitrogen and sulfur wet deposition and their trends estimated by six chemistry transport models for the period 1990-2010. *Atmospheric Chemistry and Physics* 19, 379-405, doi: 105194/acp-19-379-2019.

2017 Andersson, C., Alpfjord, H., Robertson, L., Karlsson, P.E. and Engardt, M. Reanalysis of and attribution to near-surface ozone concentrations in Sweden during 1990-2013. *Atmos. Chem. Phys.* 17, 13869-13890, <https://doi.org/10.5194/acp-17-13869-2017>.

2017 Colette, A., **Andersson, C.**, et al., EURODELTA-Trends, a multi-model experiment of air quality hindcast in Europe over 1990-2010. *Geosci. Model Dev.* 10, 3255-3276, doi.org/10.5194/gmd-10-3255-2017.

2017 Lacressonnière, G. Watson, L., Gauss, M., Engardt, M., **Andersson, C.**, Beekmann, M., Colette, A., Foret, G., Josse, B., Marécal, V., Nyiri, A., Siour, G., Sobolowski, S., Vautard, R., Particulate matter air pollution in Europe in a +2 °C warming world. *Atmos. Environ.* 154, 129-140, doi: 10.1016/j.atmosenv.2017.01.037.

2015 Andersson, C., Bergström, R., Bennet, C., Robertson, L., Thomas, M., Korhonen, H., Lehtinen, K. and Kokkola, H. MATCH-SALSA – Multi-scale Atmospheric Transport and CHEMistry model coupled to the SALSA aerosol micropysics model. Part 1 – model description and evaluation. *Geosci Model Develop* 8, 171-189.

2009 **Andersson, C.**, Bergström, R. and Johansson, C. "Population exposure and mortality due to regional background PM in Europe – long-term simulations of source-region and shipping contributions." *Atmospheric Environment* 43, 3614-3620.

2007 Andersson, C., Langner, J. and Bergström, R. "[Interannual variation and trends in air pollution over Europe due to climate variability during 1958-2001 simulated with a regional CTM coupled to the ERA40 reanalysis.](#)" *Tellus B* 59 (1), 77-98. doi: 10.1111/j.1600-0889.2006.00196.x