

## CURRICULUM VITAE FOR CAROLINE LECK

### PERSONAL DATA

**Name:** Caroline Leck  
**Present Affiliation:** Department of Meteorology  
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### ACADEMIC EXAMS

M.Sc., Stockholm University	(1982)	Scientific Subjects Education
M.Sc., Stockholm University	(1989)	Meteorology

### POST-DOC POSITIONS

Post-doc, (VR) University of Washington, Seattle, USA	November, 1989 – February, 1991
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### ACADEMIC EVALUATIONS

Docent, Stockholm University	(1995)	Chemical Meteorology
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### PRESENT POSITION

Professor in Chemical Meteorology, SU	February, 2002 - present
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### PREVIOUS POSITIONS

Senior Researcher (VR)	March, 1997- February, 2003
Research associate (forskarassistent, VR)	March, 1991- February, 1997
Graduate Student (doktorandtjänst, VR)	October, 1985 – October, 1989
Teacher [ <i>Adjunkt</i> ] in Scientific Subjects for advanced level sec. education, Stockholm	July, 1982 – September, 1985

### SUPERVISION

<b>PhD :</b>		
Douglas Nilsson	(1997)	The Arctic Sulfur Aerosol - Influences of Transport and Boundary layer Processes
Michael Norman	(2003)	Chemical characteristics of atmospheric aerosols: The influence of natural and man-made sources and sinks.
Bodil Widell	(2009)	Development of GC-HRMS procedures for determine of naturally occurring polar compounds in various environment. applications
Erik Engström	(2009)	Characterization of soot in air and rain over southern Asia
Jenny Lundén	(2009)	Atmospheric DMS in the high Arctic
Qiuju Gao	(2012)	On the potential of marine biogenic polysaccharides as a source of aerosol in the high Arctic
Thomas Hede	(2013)	Beyond Köhler Theory

**Post-doc:** Matthias Karl 2004-2005; Andreas Held, 2008; Esther Coz, 2009-2010; Li Xin, 2011 – 2013; Erik Svensson, 2011 - 2013

## OTHER SCIENTIFIC MERITS

Referee for the following journals and agencies: *Tellus B*, *Journal of Geophysical Research*, *Geophysical Research Letters*, *Atmospheric Chemistry and Physics*, *Marine Chemistry*, *Analytical Chemistry*, *Aerosol Science and Technology*, *Global Geochemical Cycles*, *Deep Sea Research* etc, NERC, NSF, Norska vetenskapsrådet.

## FIELDWORK EXPERIENCE

During the period between 1991 to the present, Scientific Leader and Deputy Coordinator and Chief Scientist (about 40 senior scientist, 15 Ph.D. and technical staff from 10 countries within and outside Europe) of the atmospheric program of four international Arctic Ocean Expeditions in the summers of 1991 (IAOE-91), 1996 (AOE-96), 2001 (AOE-2001) and of 2008 (ASCOS: [www.ascos.se](http://www.ascos.se)).

Baseline monitoring within the international Asian Brown Cloud Experiment (ABC) (<http://www.rrcap.unep.org/abc/>), since 2004 to present.

Baseline monitoring at the Cape Grim station, Tasmanian, 1991 – present.

Baseline monitoring at the Zeppelin station, NyÅlesund, Spitsbergen, 1991 – 2001.

## COLLABORATION (OUTSIDE SU)

Professor Hans Ågren, KTH, Sweden

Professor Jost Heintzenberg, IfU, Leipzig, Germany

Dr. Patrica Matrai, Bigelow, University of Maine, USA

Dr. Monica Orellana, University of Washington, Seattle, USA

Dr. Keith Bigg, Sydney, Australia

Dr. Matthias Karl, NILU, Norway

## ADMINISTRATION AND RESEARCH POLICY (NATIONALLY AND INTERNATIONALLY)

Vice Chair at the Department of Meteorology, Stockholm University, Jan., 2006 – Dec. 2011.

Organized about 45 international workshops

Board Member of the Swedish Foundation for International Cooperation in Research and Higher Education Research (STINT), Jan. 2000 - Dec. 2005.

Board Member of the Nordic Council of Ministers program for Nordic Arctic Research (NMR/NARP), Oct. 1998 - Dec. 2003.

Member of the CACGP (Atmospheric Chemistry and Global Pollution) /IGAC (International Global Atmospheric Chemistry). 1990-2006.

Member of the working group "Climate change" of the International Arctic Science Committee (IASC) since 1996.

Member of the Scientific Committee on Oceanic Research (SCOR) working group on *Phaeocystis* since Nov., 2000; on *Sea-ice biogeochemistry* since Sept. 2011; on Ocean Surface Microlayer since Nov. 2012.

Member of the SOLAS scientific IMP1 committee since May 2004.

Member of the IPCC-2007 scientific review committee and contributing author on Chapter 7, since Dec. 2004<sup>1</sup>.

Member of the IPY (International Polar Year) -Swedish National committee at the VR, 2006-2010.

Member and Chair of the Swedish National committee in Geophysics at the Swedish Royal Academy (SNG)/KVA, 2006-2011; 2012-2014.

Ledamot i regeringens vetenskapliga råd för klimatfrågor, jan 2007-sept. 2007<sup>1</sup>.

Member of the board of "NORKLIMA" at the Norwegian Science Foundation, 2008-2014

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<sup>1</sup> Experience of communicating results with stakeholders/end users