

Curriculum vitae



Dr. Andreas Stohl

born: 23 March 1968 in Vienna

Nationality: Austria

Marital status: married to Beate Doris Stohl

Children: Leopold Alexander Stohl
Lilly Marie Kristin Stohl

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Present Position

Senior scientist at Norwegian Institute for
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Education and University Degrees

1986-1992	Studies of astronomy and meteorology at the University of Vienna, Austria
24 March 1992	Diploma degree (equivalent to a Master's degree) in meteorology at the University of Vienna, Austria
1992-1994	Postgraduate study "Technischer Umweltschutz (Environmental Protection by Technical Means)" at the Technical University of Vienna, Austria
1 July 1996	PhD in meteorology at the University of Vienna, Austria
June to December 1999	Seminar PROFIL (Professionell in der Lehre, professionalism in teaching) at the University of Munich, Germany
June 2000	Habilitation at the University of Agricultural Sciences, Vienna
Languages	German (native), English (excellent), Norwegian (basic)

Employment Record

January 1992 to May 1995	Research Assistant at the <i>University of Vienna</i> , Austria
June 1995 to April 1997	Research Assistant at the <i>University of Agricultural Sciences</i> , Vienna, Austria
April to November 1996	Compulsory military service as a scientific expert on dispersion modeling, Vienna, Austria
December 1996 to May 1997	Contractual work with the <i>Central Institute of Meteorology and Geodynamics</i> , Vienna, Austria

May to July 1997	Research Assistant at the <u>University of Munich</u> , Germany
August 1997 to September 1999	Assistant professor (C1) at the <u>University of Munich</u> , Germany
August 1999 to October 1999	Visiting scientist at the <u>NOAA Aeronomy Laboratoy</u> , Boulder, CO, USA
October 1999 to July 2003	Assistant professor (C1) at the <u>Technical University of Munich</u> , Germany
August 2001 to September 2001	Visiting scientist at the <u>NOAA Aeronomy Laboratoy</u> , Boulder, CO, USA
August 2001	Offer for a senior position at the U.N. " <u>Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization</u> " (declined)
July 2003 to November 2004	Research Associate at the <u>University of Colorado</u> , Boulder, CO, USA
Since December 2004	Senior scientist at <u>Norwegian Institute for Air Research (NILU)</u> , Kjeller, Norway
December 2004	Offer ("Ruf") to become professor (W2) at the <u>University of Cologne</u> (declined)

Major Funded Research Projects

1993-1996	Pannonian Ozone Project (<u>POP</u>), funded by the Austrian Ministry of Science
1996-1997	Principal investigator (PI) of " <u>Accuracy of Trajectories As Determined From Meteorological Tracers</u> ", funded by the Jubiläumsfonds der Oesterreichischen Nationalbank
1996-1998	Vertical Ozone Transports in the Alps (<u>VOTALP</u>), an EU project
1998-2000	Subcontractor of <u>VOTALP II</u> , an EU project
2000-2002	Coordinator of <u>STACCATO</u> (Influence of Stratosphere-Troposphere Exchange in a Changing Climate on Atmospheric Transport and Oxidation Capacity), an EU project involving 13 research groups from 7 countries
2000-2003	PI of <u>CARLOTTA</u> (Climatology of Ascending Airstreams and their Relation to the Long-Range Transport of Trace Substances in the Atmosphere), a project within the German Atmospheric Research Program 2000 (AFO 2000)
2001-2005	PI within <u>ATMOFAST</u> (Long-range transport and its impact on the trace-gas concentrations in the free troposphere over Central Europe), a project within the German Atmospheric Research Program 2000 (AFO 2000)
2001-2006	Coordinator of <u>NOXTRAM</u> (Determination of NO _x Source Strengths by Combining GOME Image Sequences and Atmospheric Transport Modeling), a project within the German Atmospheric Research Program 2000 (AFO 2000)
2001-2004	PI within <u>CONTRACE</u> (Convective Transport of Trace Gases into the Upper Troposphere Over Europe: Budget and Impact on Chemistry), a project within the German Atmospheric Research Program 2000 (AFO 2000)
2001-2004	PI within <u>PARTS</u> (Particles in the Upper Troposphere and Lower Stratosphere and their Role in the Climate System), an EU project
2002-2003	<u>Spokesman for the German Atmospheric Research Program 2000</u> (AFO 2000), funded by the German Federal Ministry for Education and Research

2003-2004	Coordination of aircraft activities in the framework of the Lagrangian experiment during <u>ICARTT</u> (International Consortium for Atmospheric Research on Transport and Transformation), funded by NOAA
2005-2006	PI of <u>MIRAGE-Forecasts</u> (Megacity Impacts on Regional and Global Environments – Forecasts and Analyses for the Mexico City Case Study), funded by the Research Council of Norway in their cooperation program with the United States
2005-2006	Project manager for Owen Cooper’s (Univ. Colorado) stay at NILU, funded in the framework of the Leiv Eiriksson mobility program of the Research Council of Norway
2005	Subcontractor of DLR to support the interpretation of results from <u>TROCCINOX</u> (Tropical Convection, Cirrus and Nitrogen Oxides Experiment)
2005-2007	Subcontractor of DLR to support the <u>IMPACT</u> campaigns at Zugspitze with forecasts and transport model analyses
2005-2007	Subcontractor of IFT, Leipzig, to support the German UBA project <i>Determination of the North Hemispheric Background at the GAW station Zugspitze under special consideration of the remote transport of fine particulate matter</i> with transport model analyses
2006	PI of <u>MEGAPLUME</u> (Long-range transport of megacity air pollution plumes), a project with 13 flight hours on the German DLR Falcon aircraft, supported by the EUFAR (European Fleet for Airborne Research) program (no direct funds; flight hours + travel)
2006-2008	PI of <u>FLEXPOP</u> (Further development of a Lagrangian particle dispersion model (FLEXPART) to evaluate the atmospheric fate and distribution of POPs), funded by the Research Council of Norway
2006-2010	PI of <u>WATER-SIP</u> (Where Norway receives its water from), funded by the Research Council of Norway
2007-2009	Coordinator of <u>POLARCAT-Norway</u> (<i>Polar study using aircraft, remote sensing, surface measurements and models, of climate, chemistry, aerosols, and transport</i>), an International Polar Year project funded by the Research Council of Norway
2007-2010	PI in <u>EUCAARI</u> (<i>European Integrated Project on Aerosol, Cloud, Climate, and Air Quality Interaction</i>), an Integrated Project coordinated by M. Kulmala (U. Helsinki) and funded by the European Commission
2007-2010	PI of <u>SUMSVAL</u> (<i>A comparison of data from atmospheric research stations at Summit, Greenland, and Zeppelin, Svalbard</i>), funded by the Research Council of Norway
2007-2010	PI of <u>POCAHONTAS</u> (<i>Polar Climate and Heat Transport</i>), coordinated by S. Østerhus (Nansen Environmental and Remote Sensing Centre) and funded by the Research Council of Norway
2007-2010	Contributor to <u>EARLINET-ASOS</u> (<i>European Aerosol Research Lidar Network: Advanced Sustainable Observation System</i>), a research infrastructure action funded by the European Commission

Other project-related functions

Since 1999	<u>MOZAIC</u> Co-Investigator
2001	Consultant to the “Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization” (CTBTO), Vienna
1999-2003	PI in EUROTRAC-2 projects <u>TOR-2</u> , <u>TROPOSAT</u> , and <u>EXPORT-E2</u>

1997-2003	PI of a research project at the European Centre for Medium-Range Weather Forecasts (<i>Validation of Trajectory Calculations</i>)
2003-2006	Member of the Scientific Steering Committee of <i>IGAC-ITCT</i> (International Global Atmospheric Chemistry Project – Intercontinental Transport and Chemical Transformation)
Since 2005	Coordinator of <i>POLARCAT</i> (Polar study using aircraft, remote sensing, surface measurements and models, of climate, chemistry, aerosols, and transport), an International Polar Year core activity that is also endorsed by IGAC, iLEAPS, AMAP, and SPARC

Community services

2003-2004	Associate editor of the <i>Journal of Geophysical Research</i>
Since 2003	Editor of <i>Atmospheric Chemistry and Physics</i>
Since 2003	Alternatingly, convener or co-convener of the annual session “Vertical and long-range transport of trace gases in the troposphere” at the <i>General Assembly of the European Geosciences Union</i>
2005	Co-convener of two sessions (“Sources and Distributions of Tropospheric Trace Gases in the Midlatitude Northern Hemisphere“ and „Climate Change, Biomass Burning, and the Boreal Zone“) at the <i>American Geophysical Union’s Fall Meeting</i>
2006	Co-convener of the session “Long-range transport and chemical transformations” at the <i>CACGP (Commission on Atmospheric Chemistry and Global Pollution) Symposium</i> , Cape Town, South Africa, 18-23 September 2006
2006	Contributing author to the <i>3rd AMAP (Arctic Monitoring and Assessment Programme) Assessment Report</i>
Project reviewing	For the Canadian Foundation for Climate and Atmospheric Sciences, Council of the Earth and Life Sciences (Netherlands), COST secretariate of the European Science Foundation, Department for Environment – Food and Rural Affairs (DEFRA, U.K.), European Commission, Helmholtz-Gemeinschaft Deutscher Forschungszentren e.V. (Germany), National Aeronautics and Space Administration (NASA, USA), National Oceanic and Atmospheric Administration (NOAA, USA), National Research Foundation of South Africa, National Science Foundation (USA), Natural Environment Research Council (U.K.), Research Commission of the Eidgenössische Technische Hochschule Zürich (ETHZ), Space Research Organization of the Netherlands, Swiss National Science Foundation, UNEP/WMO Scientific Assessment of Ozone Depletion, European Report on Ozone-Climate Interactions (EU)
Reviewing for scientific journals	For <i>Atmosfera</i> , <i>Atmospheric Chemistry and Physics</i> , <i>Atmospheric Environment</i> , <i>Chemometrics and Intelligent Laboratory Systems</i> , <i>Contributions to Atmospheric Physics</i> , <i>Environmental Fluid Mechanics</i> , <i>Environmental Science and Pollution Research</i> , <i>Environmental Chemistry</i> , <i>Environmental Science and Technology</i> , <i>Geophysical Research Letters</i> , <i>Geophysical Monographs</i> , <i>Journal of Agricultural, Biological and Environmental Statistics</i> , <i>Journal of Atmospheric Chemistry</i> , <i>Journal of the Air & Waste Management Association</i> , <i>Journal of Applied Meteorology</i> , <i>Journal of Atmospheric Chemistry</i> , <i>Journal of Geophysical Research</i> , <i>Meteorology and Atmospheric Physics</i> , <i>Physics and Chemistry of the Earth</i> , <i>Quarterly Journal of the Royal Meteorological Society</i> , <i>Tellus B</i> , <i>The Science of the Total Environment</i> , <i>Wetter und Leben</i>
Model development	Main author of the models FLEXTRA and FLEXPART, which are currently used at 35 registered institutions from 17 countries

Memberships Österreichische Gesellschaft für Meteorologie, American Geophysical Union, Oslo Climate Group

Awards

2004 EUROTRAC-2 Young Scientist Award (2004), a one-time 10.000 € prize given to five scientists under the age of 40 for their achievements during the EUREKA project EUROTRAC-2 (www.gsf.de/eurotrac/winners.html)

Research performance

Publications 123 peer-reviewed publications in major scientific journals

Citations About 2000 citations in peer-reviewed publications (source: ISI Web of Science[®], cited reference search); listed among the top 0.1% of researchers in the Geosciences (source: ISI Essential Science Indicators[®]), based on citations of papers published from January 1996 to October 2006; current H-factor: 22.

Fast moving front The paper by Stohl and Trickl (1999) was identified by ISI Essential Science Indicators[®] to have triggered the number 1 in the Geosciences in their list of “Research fronts” for 5 bimonthly periods between July 2005 and June 2006. An interview is available at <http://www.esi-topics.com/fmf/2005/july05-AndreasStohl.html>