

Curriculum Vitae for Lars Gidhagen

I. Personal data

Name: Gidhagen, Lars
Address: Heleneborgsgatan 16
City/country: S-60209 Norrköping, Sweden
Tel/Fax: +46-11-311971 (home phone)
 +46-11-4958531 (direct phone at office)
E-mail: lars.gidhagen@smhi.se
Date of birth: June 15, 1951
Nationality: Swedish
Gender: Male
Marital status: Married

II. Education

2004 Ph.D. Meteorology; Chemical meteorology
 1999 M.Sc. Oceanography
 1974 B.Sc. Oceanography

III. Summary of professional skills and/or expertise

2015 - 2018 Co-ordinator C3S 441 Lot3 project Urban SIS (Climate information for European Cities).
 2009 - Head of Air Quality Research at SMHI
 2010 - 2012 Co-ordinator FP7-ICT-2009-6 project 247708 SUDPLAN (Sustainable Urban Development Planner for Climate Change Adaptation)
 2007 - 2009 Market responsible air quality consultant services at SMHI (project design and marketing, design web based tools for air quality management, project leadership, air quality management, air quality modeling, project leadership)
 2004 - 2006 Market responsible international air quality consultant services (project design and marketing, project leadership, air quality management, air quality modeling, project leadership)
 2000 - 2004 Atmospheric research (air quality modeling, aerosol dynamics, project leadership)
 1997 - 2009 Responsible for content and structure of Sida's International Training Programme "Air Pollution Management" (earlier "Air Quality Management & Technology") (programme content, forms for individual project work, course lectures in Sweden and in regional seminars)

V. Major projects

- 2015-2018 Co-ordinator for Copernicus C3S 441 Lot3 project **Urban SIS** (Climate Information for European Cities). Funding received: 1.6 MEuro.
- 2015-2017 Co-ordinator for bilateral project **ParCur** (Study of the emissions of particulate matter and black carbon and related impact on air quality in Curitiba and Metropolitan Region). Counterparts: Federal University of Paraná, Curitiba and the Municipality of Curitiba.
- 2010-2012 Co-ordinator for FP7 ICT project **SUDPLAN** (Sustainable Urban Development Planner for Climate Change Adaptation). Funding received: 2.5 MEuro.
- 2008-2009 - *Convenio CVC y SMHI para fortalecer el manejo de la información sobre emisiones, meteorología y calidad del aire en el Valle de Cauca*, implementation and training of an Airviro system for the regional authority
Client: CVC (regional environmental authority of the Valle de Cauca department, Cali, Colombia (project leader)
- 2007-2009 - *ROADSIDE: Annoyance, symptoms and disease occurrence as well as quality of life in relation to exposure to air pollution and noise from road traffic*, determine air quality levels to be used as input to a national health research study directed by Karolinska Institute (project leader for SMHI's exposure part), FORMAS funded.
- 2007-2008 - *Asesoría en Operación e Implementación de Redes de Monitoreo Ambiental*, design of and revision of procurement documents for an air quality monitoring network in Lima, Peru.
Client: PROTRANSPORTE at Lima Municipality (project leader)
- 2007: - *Nationell presentation av emissioner och halter*, assessment of present and forecasted situation year 2020 for PM10 and NO2 concentration levels in Sweden, study funded by the Swedish EPA (project leader)
- 2006-2007: - *Calidad del aire en zonas urbanas y mineras de Cesar, Colombia, fase 1: Diagnóstico y diseño de redes de monitoreo*, consultant study for CORPOCESAR (regional environmental authority), Cesar department, Colombia (technical director)
- 2005 – 2007: - *Fortalecimiento del programa nacional “A Limpiar el Aire” Perú*, technical cooperation project between CONAM/Peru and SMHI (project leader). Funded by Swedish International Development Agency.

- 2005 - - ***National Internet-based modeling system***, operational phase with support to national, regional and local authorities in Sweden (project leader)
- 2003 - 2004 - ***National Internet-based modeling system***, the development of a working tool for Swedish authorities (local-regional-national) based on coupled models on different spatial scales (Europe to urban micro-scale) to assess air quality norms. Financed by the Swedish Road Administration and the Swedish Environmental Protection Agency (project leader).
- 2002 - 2004 - ***Particles in Stockholm air***, through measurements and models determine the concentration levels of ultrafine particles that the Stockholm population is exposed for. Financed by the Swedish Road Administration and the Swedish Environmental Protection Agency (directing the modelling part)
- Dec 2002 - ***Proyecto Sabana Camagüey***, short consultant study to identify the potential influence of atmospheric pollution over the Sabana Camagüey ecosystem in Cuba, financed by UNDP.
- 2001 - ***Methods for calculating the levels of airborne particulate matter (PM10) in traffic environments***, financed by the Swedish Environmental Protection Agency and the Swedish National Road Administration (project leader)
- 2001 – 2003 - ***Emissions and air pollution from combustion of biofuels***, financed by the Swedish National Energy Administration (responsible for the modeling on small/local scale).
- 1999 – 2001 - ***Evaluation of dispersion models implemented in oil refineries in Mendoza and La Plata, Argentina***, financed by YPF/REPSOL (technical leader, principal consultant)
- 1999 - 2001 - ***Support to the Air Quality Information System in Santiago***, technical cooperation between SMHI and CONAMA, financed by Swedish Government/ Sida (SMHI project leader)
- 1999 – 2000 - ***Determinación de Línea Base Nacional de Arsénico en PM10***, monitoring and modelling study for CONAMA, Chile (project leader, principal consultant)
- 1997 - ***The air quality situation in the City and Province of Buenos Aires***, a diagnostic study for monitoring network design, World Bank, 1997 (project leader, principal consultant)
- 1997 - ***Data collection and distribution for the new Red MACAM in Santiago de Chile***, data collection system for SESMA, CENMA and CONAMA, 1997 (project leader)
- 1997- 1998 - ***Sistema integral de gestión ambiental***, design, implementation

and training of a management system for air, water and waste at the YPF S.A. industrial areas of La Plata, Mendoza y Neuquén, Argentina, 1997-2000 (technical leader)

- 1994 – 1996 - *Mejoramiento de la información requerida para el control de la contaminación atmosférica en la Región Metropolitana de Santiago*, technical cooperation between Sweden and Chile, counterpart CONAMA RM, (Swedish project leader, principal consultant)
- 1993 – 1995 - *Sistemas de evaluación de emisiones a la atmósfera en zonas industriales de Chile - caso de Talcahuano*, technical cooperation between Sweden and Chile, counterpart the state-owned oil refinery Petrox S.A., 1993-1995 (project leader, principal consultant).
- 1995 - *Sistema de información para el mejoramiento de la calidad del aire en Santa Fé de Bogotá*, proposal and design of an air quality monitoring network for Bogotá, in cooperation with DAMA and ECOPETROL, 1995 (international consultant)

VI. Languages

Mother tongue: - Swedish

Fluent: - Spanish
- English

Limited knowledge: - French
- German