

PERSONAL INFORMATION

**Lennart Robertson**



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Sex Male | Date of birth 29/09/1957 | Nationality S

WORK EXPERIENCE

1988-present

**Researcher**

Swedish Meteorological and Hydrological Institute, Norrköping, Sweden, <http://www.smhi.se>

- Research in air quality modelling
- Numerical model development
- Methods in variational data assimilation
- System development for operational implementation
  
- RODOS, <https://resy5.iket.kit.edu/RODOS>, Realtime Online Decision Support System for nuclear emergency management.
  - Integration of the regional transport model MATCH into the decision support system.
- PREVIEW - Prevention Information and Early Warning, <http://www.copernicus.eu/projects/preview>,
  - Implementation of local scale dispersion models for risk management
- GEMS, <http://gems.ecmwf.int>, Global and regional Earth-system (Atmosphere) Monitoring using Satellite and in-situ data.
  - Development and integration of the regional chemical transport model MATCH into the GEMS pre-operational suite.
- MACC, <http://www.copernicus-atmosphere.eu>, Monitoring Atmospheric Composition and Climate,
  - A continuation GEMS towards an interim implementation of an operational Copernicus service for air quality and climate.
- Cooperation on nuclear emergency with the Swedish Radiation Security Agency.
  - Central role in model development for accidental releases and for operational implementation.

Business or sector Government agency

1986-1988

**Consultant**

Swedish Meteorological and Hydrological Institute, Norrköping, Sweden, <http://www.smhi.se>

- Consultancy Services within the field of local scale air pollution

Business or sector Government agency

EDUCATION AND TRAINING

1982-1986 **Bachelor of Science in Meteorology**  
 Mathematics, Physics, Computer Science and Meteorology, Uppsala University, Sweden

PERSONAL SKILLS

Mother tongue(s) Swedish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Organisational / managerial skills Acted as chairman of the local scientist union at SMHI

Job-related skills Expert in modelling of air pollutants with a special interest transport dynamics and system design.  
 ▪ Taken part in developing graphical user interfaces for web applications  
 ▪ Software development for parallel computing  
 ▪ Data management and storage technologies

Computer skills Having almost 30 years of experience as professional software developer with focus on research and operational tools working with the following technologies:  
 ▪ Linux  
 ▪ Fortran  
 ▪ C/C++  
 ▪ Python  
 ▪ Java  
 ▪ JavaScript  
 ▪ HTML, CSS. PHP

Other skills Long experience in handling binary data formats like:  
 ▪ GRIB1/GRIB2  
 ▪ NetCDF

ADDITIONAL INFORMATION

*Publications* Replace with relevant publications, presentations, projects, conferences, seminars, honours and awards, memberships, references. Remove headings not relevant in the left column.  
*Presentations*  
*Projects* Example of publication:  
*Conferences* ▪ How to write a successful CV, New Associated Publishers, London, 2002.  
*Seminars* Example of project:  
*Honours and awards* ▪ Devon new public library. Principal architect in charge of design, production, bidding and construction supervision (2008-2012).  
*Memberships*  
*References*

