

## 1. PERSONAL

Date of birth:	5 July 1935, Trollhättan, Sweden
Nationality:	Swedish
Marital Status:	Married, 3 children

## 2. EDUCATION

- PhD (fil. lic.) in Meteorology, University of Stockholm (1964)
- M. Sc. University of Uppsala (1959)
- B. Sc. University of Uppsala (1957)

## 3. AWARDS-HONORS

1999	Fellow of the American Meteorological Society
1998	<a href="#">Umweltpreis 1998 der Deutschen Bundesstiftung Umwelt</a> - The Germann Environmental reward (shared)
1998	Member of the Finnish Academy of Science
1996	Milutin Milancovic medal by the European Geophysical Society
1995	Member of the Nordrhein-Westfälischen Wissenschaftsakademie
1993	Member of the Swedish Academy of Science
1991	Honorary Member of the Swedish Meteorological Society
1990	Doctor honoris causa, University of Stockholm
1990	Förderpreis and the Golden Rosette for European Science by the Körberstiftung, Hamburg
1989	Member of Academia Europea
1986	Julius von Hann's Gold Medal by the Austrian Meteorological Society

## 4. APPOINTMENTS

### 4.1 Permanent academic and research positions

Director, Max Planck Institute for Meteorology, 1991 - 2000
Director, European Centre for Medium Range Forecasts, 1982 - 1990
Deputy Director and Head of Research, European Centre for Medium Range Forecasts 1976 - 1981
Member of an interim planning staff for establishing the European Centre for Medium Range Forecasts, 1974 - 1975
Head of Division, Swedish Meteorological and Hydrological Institute, 1965 - 1974
Research Meteorologist, Swedish Meteorological and Hydrological Institute, 1961-1965

#### 4.2 Other academic appointment

Professor, University of Reading, UK, 2001 -
Associate professor in Meteorology (Docent), University of Stockholm, 1979 -

### 5. SCIENTIFIC COMMITTEES

#### 5.1 Working Groups and Committees (ongoing activities)

<i>Member</i> of the 5th Advisory Academic Committee of the Laboratory of Numerical Modeling for Atmospheric Sciences and Geophysical Fluid Dynamics, Chinese Academy of Sciences 2001 -
<i>Chairman</i> of the Earth Science Advisory Committee (ESAC) at ESA (European Space Agency), 1999 -
<i>Member</i> of the Scientific Advisory Committee for the Center for Ocean-Land-Atmosphere Studies, USA, 1997 -
<i>Member</i> of a IAMAP Committee on Dynamical Meteorology, 1993 -

#### 5.2 Working Groups and Committees (previous activities)

<i>Member</i> of US Climate Modelling Panel, 2000 - 2001
<i>Chairman</i> of the JSC Working Group on Coupled Modelling, 1995 - 2000
<i>Chairman</i> of the Advisory Board for IRI (International Research Institute on ENSO Prediction), USA, 1998 -

1999.
<i>Member</i> of the National Committee for Global Change Forschung (Germany), 1997 - 1999.
<i>Chairman</i> of a Max Planck Society Commission for establishing a new institute on biogeochemical chemistry in Jena, 1994 - 1997.
<i>Trustee Member</i> of MISTRA (Swedish Environmental Research Foundation), 1994 - 1999.
<i>Chairman</i> of the Science Steering group for BALTEX, 1994 - 2000.
<i>Member</i> of the Swedish Natural Science Research Council, 1992 - 1995.
<i>Member</i> of the Science Steering group for CLIVAR, 1993 - 1995.
<i>Vice-Chairman</i> for a Swedish Natural Science Research Council committee for supercomputers, 1991- 1993.
<i>Chairman</i> of WCRP (World Climate Research Programme) Study Group on the Climate Variability and Prediction Research Programme (CLIVAR), 1991 - 1993.
<i>Member</i> of the External Advisory Panel for the Centre for Clouds, Chemistry and Climate, NSF, 1992 - 1996.
<i>Vice-Chairman</i> of JSTC - Joint Scientific Technical Committee to review and design the Global Climate Observing System (GCOS), 1992 - 1996.
<i>Member</i> of the Scientific Council of CERFACS (Centre Européen de Recherche et de Formation Avancée en Calcul Scientifique) (1988 - 1999).
<i>Member</i> of the NCAR CCM Advisory Committee, 1988 - 1990.
<i>Member</i> of the Board for the Meteorological Institute at Stockholm University, 1983 - 1994.
<i>Member</i> of ESA Earth Observations Advisory Committee, 1982 - 1993.
<i>Chairman</i> of the JSC (JOC) Working Group on Numerical Experimentation, 1978-1985 (Member 1973-1978).
<i>Member</i> of the Scientific Advisory Committee for the Max Planck Institute for Meteorology, Hamburg, 1983-1990.

	<i>Chairman</i> of the CAS Working Group for Weather Prediction Research, 1978-1982.
	<i>Member</i> of a UK Ministry of Defence Meteorological Research Committee (Synoptic, Dynamical and Climatological Sub-Committee), 1978-1979.
	<i>Member</i> of an ESA Working Group on Satellite Meteorology, 1977-1978.
	<i>Chairman</i> of the CAS Working Group for Numerical Weather Prediction, 1973-1978.
	<i>Member</i> of the 1st Study Group for the Planning of ECMWF, 1970-1971.

## 6. EXPERT- SCIENTIFIC ADVISER

2001	Swedish Meteorological and Hydrological Institute. Ocean modelling policy.
2000	Nansen Centre, Bergen, Norway.
1998	Review of the Portuguese Meteorological Institute.
1996-1997	Review of the Finnish Meteorological Institute.
1994	Swedish Meteorological and Hydrological Institute. Climate research policy study.
1994	<i>Member</i> of a KNMI Review Committee.
1992	Swedish Ministry of Transport, Swedish membership of EUMETSAT.
1987	<i>Member</i> of a NOAA Review Committee for GFDL.
1981	<i>Member</i> of a NCAR Review Committee.

## 7. EDITORIAL RESPONSIBILITIES

1995-present,	Member of Editorial Board, <i>Acta Geophysica Polonica</i> .
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1993-1996,	Associated Editor, <i>Journal of Computational Physics</i> .
1987-present,	Associated Editor, <i>Meteorology and Atmospheric Physics</i> .
1984-present,	Member of Editorial Board, <i>Tellus</i> .
1982-1988,	Member of Editorial Board, <i>Idöjaras</i> .

#### 8. MEMBERSHIP OF ACADEMIC SOCIETIES

American Meteorological Society, <i>Fellow</i> .
Gesellschaft Deutscher Naturforscher und Ärzte, <i>Member</i> .
New York Academy of Science, <i>Member</i> .
Royal Meteorological Society, <i>Fellow</i> .
Swedish Geophysical Society, <i>Member</i> .
Swedish Meteorological Society, <i>Honorary Member</i> .

#### 9. RESEARCH GRANTS

Responsibility for several major research grants over the last 8 years, some of them amounting to more than 2 million DM. These grants are provided in particular by the Commission of the European Union and German Ministries.

#### 10. CURRENT INTERNATIONAL COOPERATION

Lectures and visits of numerous universities and research centers in Europe, USA, Canada, China and Japan have given rise to cooperation research with scientists all over the world.

##### (i) *Climate modelling and prediction*

Scripps Institution of Oceanography, La Jolla, US
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Laboratoire de Météorologie Dynamique, Paris, France
Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China
Centre National de Recherches Météorologique, Toulouse, France
Hadley Centre for Climate Prediction and Research, Bracknell, U.K.
European Centre for Medium-Range Weather Forecasts, Reading, U.K.
Institute of Global Environment and Society, Maryland, USA
Canadian Centre for Climate Modelling and Analysis, Victoria, Canada
Eidgenössische Technische Hochschule Zürich, Switzerland
Russian Academy of Sciences, Institute of Atmospheric Sciences, Moscow, Russia
<b>(ii) Atmospheric composition and change</b>
Centre des Faibles Radioactivités, Gif-sur Yvette, France
KNMI, De Bilt, The Netherlands
University of Utrecht, The Netherlands
Commission of the European Communities, Ispra, Italy
University of Stockholm, Sweden
<b>(iii) Observational research programs</b>
Swedish Meteorological and Hydrological Institute, Norrköping, Sweden
Chalmers University of Technology, Onsala, Sweden
University of Helsinki, Department of Meteorology, Helsinki, Finland

Danish Meteorological Institute, Copenhagen, Denmark
KNMI, De Bilt, The Netherlands
Universität Wien, Institut für Meteorologie und Geophysik, Austria

#### 11. EDUCATIONAL DUTIES (last 5 years)

PhD supervisions (2-3 annually)		
Invited teacher at summerschools		
1998	Boekelo - COACH	
1995 and 1997	Les Houches - NATO	

#### 12. INVITED PAPERS AND LECTURES

Between 1985 and 2001, invitations to lecture at international symposia, workshops, at different universities and other scientific institutes. Number of invited lectures per year 15-20. A detailed list for the last years can be provided on request.

#### 13. PUBLICATION RECORD

Publication of some 170 scientific papers in the fields of numerical analysis and data assimilation, numerical weather prediction and climate modelling.

- [Imprint](#)
- [Contact](#)
- [Internal](#)