



As of 15 August 2009

CURRICULUM VITAE

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Date of Birth: 1944, 15 July
Place of Birth: Lund, Sweden
Citizenship: Swedish
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1. EDUCATION

Army Officer's examination, 1967.
Master of Forestry, Royal College of Forestry, Sweden, 1971.
Special studies in informatics and economics at University of Stockholm, Sweden, 1972-73.
Doctor of Forestry, Royal College of Forestry, Sweden, 1975.
Professor, Swedish University of Agricultural Sciences, 1976.

2. POSITIONS

- 1971-1976* Project Leader, Department of Operational Efficiency, College of Forestry, Sweden.
Task: Development of a planning system to salvage windthrown forests.
- 1976-1982* Professor in Planning at the Department of Operational Efficiency, Faculty of Forestry, Swedish University for Agricultural Sciences. The terms of reference for the professorship was "Allocation of resources in time and space in the forest sector." Task: To establish a new research group in the field of the professorship and to develop a package of new tools for various planning and analyses of the Swedish forest sector. A team of 7-8 scientists were involved in the research activities during this period.
- 1983-1984* Consultant to the Canadian Federal Government.
Task: To establish the Forest Economic Policy Analysis (FEPA) institute in Vancouver.
- 1985* Professor in Planning at the Department of Operational Efficiency and at the Institute Forest-Industry-Market Studies (SIMS), Swedish University of Agricultural Sciences.

- 1986 Principal Investigator of the Forest Study at the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria.
- 1986 (*cont'd*) Task: To lead a project concerning future development of the forest resources of Europe (Western, Eastern and European part of the USSR).
- 1987-1989 Principal Investigator of the Forest Study at the International Institute for Applied Systems Analysis (research) and Professor in planning at the Swedish University of Agricultural Sciences (teaching).
- 1990 Principal Investigator of the Forest Study and Acting Leader of the Biosphere Dynamics Project at the International Institute for Applied Systems Analysis, Laxenburg, Austria.
- 1991-1992 Leader of Forest Resources and Waste Paper Recycling Projects, International Institute for Applied Systems Analysis, Laxenburg, Austria.
Tasks: To establish a large-scale study on the Siberian Forest Sector and to carry out a study on the environmental impacts of waste paper recycling in Europe.
- 1992-1994 Leader of the Forestry and Climate Change Project, International Institute for Applied Systems Analysis, Laxenburg, Austria.
Tasks: To carry out the Siberian Forest Study and conclude ongoing climate change research at the institute.
- 1994-2009 Leader of the Forestry Program, International Institute for Applied Systems Analysis, Laxenburg, Austria.
- 1998-2002 Appointed Counselor to the Director, International Institute for Applied Systems Analysis, Laxenburg, Austria.
- 2001 (*October*) Appointed IUFRO Task Force Leader on Information and Communication Technology and the Forest Sector.
- 2002-2008 Deputy Director, International Institute for Applied Systems Analysis, Laxenburg, Austria and Leader of the Forestry Program.
- 2008(*May-Dec*) Acting Director, International Institute for Applied Systems Analysis, Laxenburg, Austria and Leader of the Forestry Program.

3. OTHER PROFESSIONAL FUNCTIONS

- 1977: Consultant in Bangladesh for the Swedish International Development Agency concerning the forest sector and establishment of a new forest educational system.
- 1978: Commissioner to the Swedish Government on intensified silvicultural management in Sweden.
- 1978: Analyses of the forest industrial sectors of the ASEAN countries for UNDP/FAO.

- 1979: Development of mathematical forest increment models at University of Newcastle, UK.
- 1980: Established forest sector analysis at University of Agricultural Sciences in Norway.
- 1980: Commissioner to the Swedish University of Agricultural Sciences on a long-term strategic plan.
- 1982: Head of the Demand and Supply Group (Forest Products) at International Institute for Applied Systems Analysis, Laxenburg, Austria.
- 1982: Created and established the Institute Forest-Industry-Market Studies (SIMS), Swedish University of Agricultural Sciences.
- 1985: Commissioner to the Swedish Government concerning a long-term program for intensified research in Swedish forestry.
- 1985: Commissioner to the National Board of forestry in Sweden concerning intensified research in non-industrial forestry.
- 1985-1989: Consultant to FAO/ECE Timber Committee, Geneva concerning forest damage attributed to air pollution in Europe.
- 1990: Consultant to FAO/ECE Timber Committee, Geneva concerning forest damage and trade effects in Europe.
- 1990: Consultant to OECD, Paris concerning the global forest sector and environmental problems.
- 1990: Consultant to Procter and Gamble, USA and Germany concerning global fiber supply.
- 1991: Consultant to the World Bank, Mission on Forest sector development in Poland.
- 1993-1994: Consultant to the World Bank concerning environmental problems in Slovenia.
- 1994-1995: Lead Author Intergovernmental Panel on Climate Change.
- 1996-1998: Expert to the World Commission on Forests and Sustainable Development (WCFSD).
- 2005-2006: Lead Author to the Intergovernmental Panel on Climate Change.
- 2007: Among the network of scientists who shared in the 2007 Nobel Peace Prize awarded to the IPCC.
- 2007: Organizer of IIASA's 35th Anniversary Conference on Global Development: Science and Policy for the Future.

4. OTHERS

- 1976: Appointed as Professor in Planning at the Department of Operational Efficiency, Swedish University of Agricultural Sciences.

- 1980: Offered the position as Professor in Forest Products at the Swedish University of Agricultural Sciences.
- 1984: Offered the position as Professor and as the first Director at the Center for International Trade in Forest Products, CINTRAFOR, University of Washington, USA.
- 1984: Declared competent for the Professorship of Harvesting and Transportation at the Swedish University of Agricultural Sciences.
- 1986: Received IUFRO's Scientific Achievement Award.
- 1987: Offered the position as Professor and as the first Director at the Institute for Silvicultural Studies in southern Sweden at the Swedish University of Agricultural Sciences.
- 1990: Elected as Working Member of the Royal Swedish Academy of Agriculture and Forestry, Sweden (Chair, Forest Sector Policies).
- 1990: Elected as Working Member of the Scientific Committee of Academia Istropolitana, Pressburg, Slovakia.
- 1994: Elected as Academician of the International Academy of Informatics, Moscow, Russia.
- 2008: Elected as Foreign Member of the Lithuanian Academy of Sciences.

5. PUBLICATIONS

- Nilsson, S. (1971). Studies on Cross-Country Transport Distances and Road Net Extension in Madagascar. Royal College of Forestry, Stockholm, Sweden.
- Nilsson, S. (1972). Collection of and processing data from time studies. Royal College of Forestry, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1972). Harvesting of windthrown forest - estimates on productivity. Research Report 56. Department of Operational Efficiency, Royal College of Forestry, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1972). Don't forget the accident rates when planning the logging of windthrown stands. *Skogen* No. 12 (in Swedish).
- Nilsson, S. (1973). Accident rates at logging of windthrown stands. *Sveriges Skogsvårdsförbunds Tidskrift* No. 1 (in Swedish).
- Nilsson, S. (1974). The planning process at simulated windthrows. Research Report 71. Department of Operational Efficiency, Royal College of Forestry, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1974). Quality changes of windthrown trees left in the stand. Research Report 72. Department of Operational Efficiency, Royal College of Forestry, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1974). Storing of processed wood from windthrown trees. Research Report 73. Department of Operational Efficiency, Royal College of Forestry, Stockholm, Sweden (in Swedish).

- Nilsson, S. (1974). Damage caused by *Blastóphagus pinipérda* in stored pine wood. Research Report 74. Department of Operational Efficiency, Royal College of Forestry, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1974). Increment losses caused by *Blastóphagus pinipérda* on Scots Pine. Research Report 78. Department of Operational Efficiency, Royal College of Forestry, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1974). Damage caused by *Blastóphagus pinipérda* when storing unbarked wood from Scots pine. Research Report 33. Department of Forest Yield Research Royal College of Forestry, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1975). Salvage of windthrown forest - a planning system. Research Report 84. Department of Operational Efficiency, Royal College of Forestry, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1975). Increment losses caused by insects in Sweden. *Skogen* No. 2 (in Swedish).
- Nilsson, S. (1975). Structure of the planning problems in the Swedish forest sector. Department of Operational Efficiency, Royal College of Forestry, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1976). Forest Protection. (A further education-program carried out for 6,000 forestry professionals on forest management protecting the forests from insect attacks.) The Swedish Royal Board of Forestry, Jönköping, Sweden. (in Swedish).
- Nilsson, S. (1976). Rationalizations of Forest Operations Gives Rise to Insect Attack and Increment Losses. *Ambio* No. 1.
- Nilsson, S. (1976). Damage caused by *Blastóphagus pinipérda* hatched in stored pine wood at roadsides in Sweden 1974 and 1975. The Swedish National Board of Forestry, Jönköping, Sweden (in Swedish).
- Nilsson, S. (1976). The Flow of Wood from Stump to Industry. *Sveriges Skogsvårdsförbund*, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1976). System Analyses and Forestry. Department of Operational Efficiency. Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1976). How to use system analysis in forestry. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1976). Information analyses and data processing. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Dehlen, R., Björkhem, V., Lundin, L., Nilsson, S., Olsson, M. and Regnander, J. (1977). Storage of pulpwood under water sprinkling - effects on insects and environment. Research Report 107. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1977). Examples of the Availability of wood within forestry with roadside delivery. Research Report 108. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Brunberg, T. and Nilsson, S. (1977). The flow of wood within a Forest Management District at changed harvesting policies. Research Report 110. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Larsson, S.-G., Nilsson, S. and Norén, S. (1977). Forestry Education and Training in Bangladesh. Swedish International Development Agency, Stockholm, Sweden.

- Nilsson, S. (1977). Economic calculation in Swedish Forestry is not consistent. *Skogen* No. 3 (in Swedish).
- Nilsson, S. (1977). How to establish a good contact between practical forestry and research. *Skogen* No. 10 (in Swedish).
- Nilsson, S. (1978). Five year plan for research in reforestation in Sweden. Swedish University of Agricultural Sciences, Uppsala, Sweden (in Swedish).
- Granquist, Å. and Nilsson, S. (1978). Tree-length logging and central processing at the sawmills. Research Report 117. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1978). Models for projections of the market of forest industry products. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Arvidsson, A., Johansson, J., Nilsson, S. and Öberg, S. (1978). The importance of the spring thaw on the transport of wood within forestry. Research Report 123. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1978). Forestry for Employment Promotion. Aspects on Research Needs and Priorities. Keynote address at VIII World Forestry Congress in Jakarta, 1978. Food and Agriculture Organization of the United Nations (FAO), Rome, Italy.
- Nilsson, S. (1979). An alternative to the organization of integrated forestry and forest industries. *Skogen* No. 2 (in Swedish).
- Nilsson, S. (1979). Examples on the wood availability within large-scale forestry. Research Report 131. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1979). Planning of haulage and storage in integrated forestry and forest industries. An analysis by a linear programming model. Research Report 130. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Korsgaard, S. and Nilsson, S. (1979). Planning of harvesting in Forest owners Associations. Research Report 132. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1980). The Swedish Forest Sector under Transformation - A Study with the World Bank Model. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1980). The Economic Potential of the Forest Sector of Southern Sweden. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1980). Strategic choices with the aid of the World Bank Model. International Energy Agency (IEA), Vienna, Austria.
- Nilsson, S. (1980). Trends in the Development of the Swedish Forest Sector. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
- Nilsson, S. (1981). The Structure of the Swedish Forest Sector. *Sveriges Skogsvårdsförbunds Tidsbviift* No. 2 (in Swedish).
- Nilsson, S. (1981). The harvesting Incentives of Private Forest Owners and the Problems in the Forestry Cooperative. *Sveriges Skogsvårdsförbunds Tidsbviift* No. 2 (in Swedish).

- Nilsson, S. (1981). The most important factor in the forest sector during the 1980's - the financial aspect. *Skogen* No. 6 (in Swedish).
- Andersson, B., Carlsson, M., Hjelm, L., Nilsson, S. and Pettersson, I. (1981). Long-term plan for the Swedish University of Agricultural Sciences. Swedish University of Agricultural Sciences, Uppsala, Sweden (in Swedish).
- Nilsson, S. (1981). Defense of the long-term plan for the Swedish University of Agricultural Sciences. *Skogen* No. 9 (in Swedish).
- Nilsson, S. (1981). Forest sector models in Scandinavia - What we have and what we need in Sweden. Swedish University of Agricultural Sciences, Garpenberg, Sweden.
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- Nilsson, S. (1983). The world around the Swedish forest industry - Cost development of forest raw materials and production in the USA. Research Report 161. Department of Operational Efficiency, Swedish University of Agricultural Sciences, Garpenberg, Sweden (in Swedish).
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- Lekawski, E. and Nilsson, S. (1984). Initial Policy Analysis with the Pulp and Paper System. Forest Sector Analysis Project. University of British Columbia, Vancouver, BC, Canada.

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- Nilsson, S. (1984). Validation of the Database Used in the Forest Sector Model of British Columbia. Forest Sector Analysis Project, University of British Columbia, Vancouver, BC, Canada.
- Nilsson, S. (1985). BC Forest Sector Around Year 2000. Forest Sector Analysis Project, University of British Columbia, Vancouver, BC, Canada.
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- Hägglund, B. and Nilsson, S. (1985). The decision making in Swedish forestry. In: *A long-term program for research in Swedish forestry*. SJFR, Stockholm, Sweden (in Swedish).
- Nilsson, S. (1985). Economic consequences of pre-commercial thinning in order to avoid traffic accidents with wild animals. Department of Operational Efficiency, Swedish University of Agricultural Sciences and the National Board of Swedish Roads, Sweden (in Swedish).
- Nilsson, S. (1985). Substitution of Lumber. Swedish University of Agricultural Sciences, Uppsala, Sweden (in Swedish).
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- Nilsson, S. (1986). Development and consequences of forest damage attributed to air pollutants and changes of climate: A Study Proposal. International Institute for Applied Systems Analysis, Laxenburg, Austria.
- Attebring, J., Nilsson, S. and Sallnäs, O. (1987). Forest Study at IIASA - Experiences of Timber Assessment Studies for Europe. Expert meeting in Kotka, Finland. FAO/ECE, Geneva, Switzerland.
- Kairiukstis, L., Nilsson, S. and Straszak, A. (eds.) (1987). Forest Decline and Reproduction: Regional and Global Consequences. Working Paper WP-87-75. International Institute for Applied Systems Analysis, Laxenburg, Austria.
- Nilsson, S. (1987). State-of-the-art report on the extent of forest decline attributed to air pollutants in Europe - Fall 1986. In: L. Kairiukstis, S. Nilsson and A. Straszak (eds.) Forest Decline and Reproduction: Regional and Global Consequences. Working Paper WP-87-75. International Institute for Applied Systems Analysis, Laxenburg, Austria.
- Nilsson, S. (1987). A Critical Review of the GTM Developed at IIASA. A Swedish Viewpoint. CINTRAFOR, University of Washington, College of Forest Resources, Seattle, WA, USA.
- Nilsson, S. (1987). The Competitive Position of the Sawmilling Industry in Southern Sweden. Southern Swedish Lumber Export Association, Växjö, Sweden (in Swedish).
- Nilsson, S. (1987). Extent of Forest Damage Associated to Air Pollutants - with update for the 1986 conditions. FAO/ECE Timber Committee, Geneva, Switzerland.

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- Nilsson, S. and Duinker, P.N. (eds.) (1988). Remote Sensing of Forest Decline Attributed to Air Pollution. Electric Power Research Institute, Palo Alto, California.
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- Nilsson, S. (1989). Timber Assessment Study for Europe - Component of the Forestry Study at IIASA. In: M. Florio (ed.) *Quantitative Analysis for Long-Term Planning of Natural Resources*. Franco Angeli Libn, Milan, Italy (in Italian).
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- Nilsson, S. (1990). Future development of tropical forest. *Oekologia*, Vienna, Austria.

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- Nilsson, S. (1991). Trends in the global consumption of hardwood fibres. *Skogsakta* 15. Swedish University of Agricultural Sciences, Uppsala, Sweden (in Swedish).
- Nilsson, S. (1991). Forecasted Climate Change and Impacts on the Forest. In: *The Greenhouse Effect - Impact on Agriculture and Forestry*. Swedish University of Agricultural Sciences, Uppsala, Sweden (in Swedish).
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