

CURRICULUM VITAE

2003-03-09

(Short version)

Personal data

Name: Mona Lisbeth (Lisa) Sennerby Forsse

Date of birth: 1948-09-30

Family: Married, 2 sons, David 22 and Axel 19 years old

Nationality: Swedish

Affiliation

The Swedish Research Council Environment, Agricultural Sciences and Spatial Planning (Formas)

e-mail: lisa.sennerby.forsse@formas.se

homepage: www.formas.se

Present position

Secretary General: The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (Formas) (Enclosure 1).

Positions previously held

- Director of Department for Natural Resources: The Swedish Environmental Protection Agency (Naturvårdsverket) (2000-01)
- Professor (adj.) in Short Rotation Forestry: The Swedish University of Agricultural Sciences (SLU) (1996 –2002)
- Director of Research: The Swedish Forestry Research Institute (SkogForsk) (1994-2000)
- Senior scientist/Programme leader: Dept Ecol. and Environm. Res.:SLU (1986-94)
- Research assistant: Dept Ecol. and Environm. Res.:SLU (1978-86)
- Research assistant: Dept Forest Products: SLU (1976-1978)

Academic degrees

- Professor (adj), SLU (1996)
- Associate professor (docent): SLU (1995)
- PhD: Stockholm university (SU) (1987)
- MSc: Stockholm university (SU)(1978)
- BA: Lund university (LU) (1975)

Area of expertise

- Silviculture and environmental aspects of short rotation forestry
- Bioenergy – production and utilization
- Plant physiology and anatomy
- Research management and administration

Memberships

- Member of the *Swedish Royal Academy of Agriculture and Forestry* (KSLA)
- Member of the *Uppsala Rotary Foundation*

Prizes and awards

- The Golden Twig, The Swedish Forestry Association (2001)

National and international scholarly and professional activities

(since 1995)

Present National

- Member of the *Advisory Committee for Research* (Forskningsberedningen) for the Swedish Minister of Education and Research, Ministry of Education, Sweden
- Member of the *Advisory Committee for Environmental Issues* (Miljövårdsberedningen) for the Swedish Minister of Environment, Ministry of Environment, Sweden
- Member of the Advisory Group for Forest Research: World Wildlife Fund (WWF)
- Member of the *Committee for Environmental Research*, (Miljöforskningsnämnden) The Swedish Environmental Protection Agency (NV)
- Member of the *Committee for Climate Change Adaptation in Swedish Communes*: Member of the *Swedish Forum for Research*, (Forskningsforum), Sweden
- Member of the *Committee for Industry*: The Swedish Royal Academy of Engineering, (IVA)
- Board member of *The Academical Buildings*, (Akademiska Hus)", Ultuna-bolaget
- Board member of *The Swedish Forest Plants Ltd* (Svenska Skogsplantor AB)

Present <International

- European Commission (EU): Vice chair of the *Expert Advisory Group* for "Sustainable Development and Global Change": in the 6th Framework Research Programme, Directorate General of Research
- Member of The European Science Foundation, (ESF)
- Council member of IIASA (The International Institute of Applied Systems Analysis), Vienna, Austria
- Member of the Nordic Panel for the Development of the "Nordic Research Area" (NRA): Nordic Council of Ministers (NMR)
- Member of Ad-hoc *Committee for Nordic Cooperation II*. (Agriculture and Forestry), Nordic Council of Ministers (NMR)
- Member of the Board of the *Nordic Forest Research Co-operation Committé* (SNS): The Nordic Council for Ministers (Nordiska ministerrådet) 2001:

Until 2000

- Member of the *Board of the National Board of Forestry* (Skogsstyrelsen) (1996-2000)
- Member of the *Executive Board of IUFRO* (International Union of Forest Research Organization), Vienna, Austria (1996-2000)
- Chair of the Ad-hoc Committee for Salix in *Int. Poplar Commission, FAO* (1992-95)
- Member of *1st Committee for Nordic Cooperation in Research and Education within Agriculture and Forestry*, (NMR) (2001-2002)
- Chair of the Board of the *Nordic Forest Research Co-operation Committé (SNS)* (The chair is rotating among member countries)(1999-2000)

Evaluation missions

Regular evaluation missions

- Expert for evaluation of candidates for position as professor and associate professor in forestry and forest-environment related areas at SLU, Lunds University and Linköping University (until now 6 different occasions)
- Member of a number of examination committees for the degree of PhD and PhLic. (until now more than 15)
- Member and chair of a number of different expert evaluation committies for evaluating research applications in forestry, rural development and environment for different funding agencies such as the Wallenberg Foundation, the Swedish Council for Forestry and Agricultural Research, (SJFR) the Swedish Sida/SAREC the Research Fund for Forestry (LillaFonden): Faculty of Forestry, SLU (1998-2001), the Norwegian Research Council, Norway, Finlands Academy, the Natural Sciences and Engineering Research Council of Canada, NSERC, the European Commission (the 5th Framework Programme in Life Sciences) etc.
- Acting referee for different journals such as: Can J For Res., Trees, Structure and Function, Biomass and Bioenergy, Scand J For., J Sust For. Australian J.Botany, Canadian J Botany, Tree Physiology etc.

Specific:evaluation missions

- Chair of Evaluation Committee for *the Environmental Agricultural Research Programme*, Finlands Academy, Helsinki, Finland (2001)
- Evaluation of a SNS-project "*Public participation in sustainable ...* (with professor F. Schmithuesen, ZTH-Centrum, Zurich, Switzerland).(1999)
- Expert participation in evaluation of EU-applications in the FAIR-programme; section forestry/bioenergy (1995-2000)
- Expert opinion given at evaluation of a major research project "*Intensive forestry for fiber production*". A joint effort between Stora Skog AB and SLU.(1998)
- Evaluation of a 5-year Research and Education programme, *Forestry in Southern Sweden*, SLU (with professor Jon Didricsen, NISK). (1998)

International research cooperation

- USDA. Rheinland, Wisconsin, USA. Nutrient relations in fast growing tree species (1982-2001)
- Syracuse university, New York State, USA. Soil and nutrients projects
- UK, Belgium, Germany, France, Italy – different research projects
- Sida/SAREC: Expert Mission in the Chinese/Swedish Soil-Conservation-Cooperation-Programme: "*Multipurpose Tree Production Systems*", Shaanxi province, PRC. (1987-89)
- Visiting scientist at Faculty of Forestry, University of Toronto (Grant from Natural Sciences and Engineering Research Council of Canada, NSERC). (1989-1991)
- Coordinator of *IUFRO Division 1 "Silviculture"* (1996-200)
- Deputy coordinator of *IUFRO Division 1 "Silviculture"* (1994-96)
- Activity leader of Task VIII "*Growth processes*" International Energy Agency.(IEA) (1988-94)

Teaching experiences

- Undergraduate and postgraduate teaching in forestry, plant morphology and functional anatomy, and bioenergy short rotation forestry in SLU and other Swedish universities as well as at Univ of Toronto, Faculty of Forestry.
- Supervisor for thesis-work by students in agriculture, forestry, biology, health-environment education. *PhD*: Main supervisor for two students (graduated in 1998 and 2000) and vice supervisor for two other students (one graduated in 2002). *Post-doc*: PhD graduate from University of Baroda, India, and one from INRA, France. *MSci*: Several students from different countries, Canada, China, Tanzania.
- Mentor for female PhD-students, SLU

Information

Experience during 25 years of a large number of information activities including lectures, seminars and courses mainly concerning different aspects of forestry and biology/botany for scientific audiences and politicians, farmers, public audiences etc. Experience of different media such as TV, radio, newspapers and magazines

Publications

In total about 100 publications, about one third are articles published in refereed journals in plant physiology, forestry and environment related high quality journals. The others are scientific book chapters,(including 5 as editor) proceedings from conferences, reports and information articles and reports. (Enclosure 2).

Research for sustainable development

Enclosure 1.

Formas is a national Council and a governmental authority. Formas supports basic and applied research within the areas of environment, agricultural sciences and spatial planning. Formas promotes ecologically sustainable growth and development in society, multidisciplinary and interdisciplinary research as well as international research cooperation and exchange of experience. Formas is also responsible for information on research and research results.

The Executive Board is the Councils supreme decision making body and consists of 13 members. Seven of the members are elected by an elector assembly which consists of researchers at the different universities in Sweden. The chairman and 5 other members are appointed by the government. The Secretary General is appointed by the Board and is the head of the Council.

Formas has an annual budget of about 50 million US \$ and research is financed within five areas:

- Environment
- Agriculture, Horticulture, Fishery and Reindeer husbandry
- Forests and Forestry
- Built environment
- Urban and Regional planning

Formas gets about 2000 applications each year in an open announcement of “bottom-up” research projects from the research community. About 10-15 % are financed. Formas also have special announcements for research programmes in high priority areas, such as: ecological production, biodiversity, risk assessment for GMO, sustainable urban development, ecological economy etc.

The scientific quality and the relevance of the applications are evaluated by high quality peer review using internationally accepted standards. Formas has 18-20 peer review committees with a general participation duration of the experts of maximum 3 years.

Formas has an extensive international exchange and are involved in cooperation with a large number of global, European and Nordic associations, organisations and secretariats. Cooperation with Sida/SAREC involves Formas as an expert organisation for the evaluation of applications regarding cooperation between Swedish scientists and scientists from South Africa and Asia.

During 2003-2005 Formas is responsible for the IGFA secretariat (International Group of Funding Agencies for Global Change Research).

Publications

Enclosure 2

Original research publications	29
Conference proceedings	16
Abstracts	11
Reports	18
Editor	5
Other	22
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Total	101

10 examples of research publications

- Sennerby Forsse, L. 2002. Science and Policy – how did we deal with early warnings from science? In : Stockholm 30-years later. Int. conf., Stockholm, June 17-19, 2002., Ministry of Environment, Governm.publ. 32 Nb
- von Fircks, Y., Rosén, K and Sennerby-Forsse, L. 2002. Uptake and distribution of 137 Cs and 90Sr in *Salix viminalis* plants. J Environ Radioactivity 63:1-14.
- von Fircks, Y., and Sennerby-Forsse, L. 1998. Seasonal fluctuation of starch in root and stem tissues of coppiced *Salix viminalis* L. plants grown at two nitrogen regimes. Tree Physiology Vol 18, No 4 pp 243-250.
- Sennerby-Forsse, L. 1998. Biodiversity and production, two sides of the same coin – or incompatible goals? In: (Environmental Forest Science. Ed. K. Sassa). Kluwer Verlag pp.15-27.
- Mrema, A.F., Granhall, U. and Sennerby-Forsse, L. 1997. Plant growth, leaf water potential, nitrogenase activity and nodule anatomy in *Leucaena leucocephala* as affected by water stress and nitrogen availability. Trees, Structure and Function. 12: 42-48
- Berlyn, B., Sennerby-Forsse, L and Zsuffa, L. 1993 “Wood energy and environmental aspects of short rotation plantations”: J Sustainable Forestry. Special issue.
- Zsuffa, L., Sennerby-Forsse, L., Weisgerber, H. and Hall, R.B. 1991. Strategies for clonal forestry with Poplars, Aspens and Willows. In: (Eds. W.J. Libby and M R Ahuja) Clonal Forestry: Genetics, Biotechnology and Application. Springer Verlag. pp 92-119.
- Sennerby-Forsse, L. 1990. Problems and perspectives of forest biomass in developing countries. Proc. from the XIX IUFRO World Congress, 5-11 August, 1990, Montreal, Canada. Division 1. Volume 2:280-289. Proc. from XIX IUFRO Conference, Divison 1. August 5-11, Montreal.
- Wang Xiuqi, Sennerby-Forsse, L and Ledin, S. 1990. Reforestation as erosion control - a knowledge exchange programme. Proc. from IUFRO XIX World Congress, 5-11 August, Montreal, Canada. Divison 1.
- Sennerby-Forsse, L., Singh, A.P. and Walles, B. 1987. Presence of myelin-like structures in tanniferous vascular parenchyma cells of *Salix dasyclados* Wimm. Protoplasma 138:183-186