

Curriculum vitae

Personal data

Name: Linders
Christian names: Johannes, Bernardus, Henricus, Joseph
Date of birth: 18 March 1948
Place of birth: Rijssen
Nationality: Netherlands
Civil state: divorced, two children, three grandchildren.

Education

Primary school: 1954-1960, Rijssen
Secondary school: 1960-1966, Hengelo, certificate
Technical University: 1966-1974, Enschede, certificate

At the Twente Technical University, I studied Environmental Engineering at the department Chemical Health Technology of the faculty Chemical Engineering.

The final study subject was concerned with the development of a phosphorous model for Lake Brielle in The Netherlands. Among others, the main subjects during the study were:

mathematics, systems analysis of water quality management, process dynamics, process engineering, economics, philosophy, and teaching. The last mentioned subject resulted in a first degree teacher's certificate in chemistry, mathematics, physics, and mechanics.

Present work

Since January 1985, I am joining the Centre for Substances and Risk Assessment of the National Institute of Public Health and the Environment at Bilthoven, The Netherlands, as a risk evaluation expert on environmental hazards of pesticides. The activities are concerned with the preparation of institutional advises regarding pesticides within the framework of national and international legislation. As a spin-off research is carried out on a system of risk assessment of chemical substances after release into the environment. The system includes a number of interrelated mathematical models describing the emission, the fate and behaviour, and the effects in a quantitative way. The system is used by the Dutch government in the process of administration of new chemicals and the registration of pesticides. On behalf of the function I am also involved in the development of international evaluation systems like the decision making schemes of the joined Environmental Risk Assessment Panel of the European and Mediterranean Plant Protection Organisation and the Council of Europe. In the panel I am responsible for the development of the risk assessment scheme for surface water and member of the subgroup on the validation exercise of the schemes in general. I was involved in the development of the environmental parts of the the European Union Guideline on agricultural pesticides (91/414/EC), the Uniform Principles and the Annexes II and III concerning the environmental data requirements for active substance and plant protection product as well as in the development of several guidance documents, like Persistence, Aquatic Ecotoxicology, Terrestrial Ecotoxicity and Relevant Metabolites. I was chairman of the EU-working group Surface Water of FOCUS, FORum for the Co-ordination of pesticide fate models and their USE, established by the European Commission. As a follow up of the FOCUS activity a new group was started on the development of standard scenarios. I am also chairing this Working Group on Surface Water Scenarios. Further I am member of the EU working group on the development of a registration scenario for the application of plant protection products in rice: MED-RICE.

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In addition I have been member of the Committee of Experts on Pesticides of the Council of Europe and of the ad hoc group on the development of Environmental Risk Assessments for human and veterinary medicines of the European Commission.

I became a member of the Scientific Committee on Health and Environmental Risks of the European Union since July 2006. The Committee gives scientific advice to the Commission on request on matters relating to risk assessments and risk assessment methodology in the European Union. In April 2016 I was not re-elected anymore in the new Scientific Committee on Health, Environmental and Emerging Risks because of the limiting factor of being a member for three consecutive periods. Since that time I am a member of the Pool of Experts who can be appointed as a Working Group member for specific topics. I have applied for the Working Groups Water Reuse and Rapid Risk Assessment. For both I was appointed.

In addition I am since January 2007 a member and from January 2009 chair of the Ballast Water Working Group of GESAMP (Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection). The working group is active in the area of the prevention of bio-invasion by hazardous organisms through the spreading of ballast water. The group evaluates ballast water treatment systems on ships for their safety for man, crew and the environment.

Since the 1st of October 2011 I am retired from my work at the National Institute for Public Health and the Environment.

Additional working experience

On September 1, 1975 I joined the former National Institute for Water Supply (NIWS) at Voorburg, The Netherlands, as a project engineer. The main tasks were:

- head of the office of project support and
- project leader of the project on water quality processes for rivers.

The first mentioned part of the function was mainly concerned with the computerised mathematical data handling of the research projects of the Chemical Biological Department of the institute, like statistics and stochastics. The second part included the development of mathematical models for the deterministic description of water quality processes in flowing surface waters, like oxygen, nitrogen and phosphorous budgets. In this function I became familiar with a variety of research activities, like water quality processes in surface and ground water, water treatment processes for the preparation of drinking water, health aspects of drinking water, and environmental behaviour of chemicals. I was also involved in the development of mathematical models for the acidification process in aquatic ecosystems.

Per January 1, 1984, the transfer to the present function took place with the introduction of the so-called fugacity or partition models. During 1984, I was also responsible for the evaluation of new chemical substances in relation to EU-directive 67/548/EEC.

Membership and associated member of:

- International Rhine Commission (IRC), working group Long Term Programme and Permanent Working Group, 1975-1981
- Benelux Economical Union (BEU), working group on water quality, 1978-1985
- European Union, guideline on paper and pulp, 1978-1979
- Organisation for Economic Co-operation and Development (OECD), hazard assessment, co-chairman of soil selection workshop, re-registration of pesticides, member of the task force on environmental fate studies, 1985-to date
- Council of Europe, Committee of Experts on Pesticides, 1994-1998
- Council of Europe, ad-hoc Working group on Agriculture and the Environment (chairman), 1994-1997
- Council of Europe, ad-hoc Working Group on Non-agricultural Pesticides, 1994-1997
- EMEA ad-hoc Working Group on Ecotoxicology, 1996-to date

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- IUPAC Commission on Agriculture and the Environment, 1996 to date
- Scientific Committee on Health and Environmental Risks, 2006 to date
- GESAMP-BWWG under the auspices of the International Maritime Organisation, 2007 to date and from February 2009 to date chairman of the Group.

Additional information

During the period May 1974 - August 1975, I fulfilled my military duty as a centralist in the army, joining the Communications Service.

For three years (1981-1983), I was a member of the editorial board of the NIWS, being responsible for all external publications of the staff members of the institute, including subjects in the research field of chemistry, biology, hydrology, and water treatment.

I was teacher at the International Agricultural Centre in Wageningen for the course on Integrated Pesticide Management for developing countries until my retirement.

Since 1981, I am member of the Service Commission or Employees Council of the institute, dealing with the negotiations with the Director concerning the administrative and technical performance of the institute, first as a member, later as secretary and the last seventeen years as president. I retired on the 1st of October 2011.

Complementary education

- management
 - project management, later on as assistant for other students
 - management and organisation
 - communication for managers
- European Community: Europe on Measure, part I and part II
- informatics:
 - WordPerfect
 - Lotus 1-2-3
 - Word
 - Excel
 - PowerPoint
- nature guide
- trainer in recreational athletics