

CURRICULUM VITAE¹

AREND HOOGERVORST²

Date of Birth - 2 June 1955
resident status)

Nationality - British (South African permanent
Marital Status - married, no children

Qualifications

B.Sc. (Hons) Environmental Science, Plymouth Polytechnic (now Plymouth University), UK, 1977.

M.Phil. (Science) Environmental Studies, University of Cape Town, 1985. Dissertation - "An Environmental Evaluation System in the Planning Process of Quarries in South Africa."

Registered Professional Affiliations

Pr.Sci.Nat. - Registered Natural Scientist (Environmental Scientist category) with the South African Council for Natural Scientific Professions. (Since 1984)

MIEnvSc. - Member of the Institution of Environmental Sciences, London. (Since 1981)

CEnv. - Chartered Environmentalist, London (Since 2005)

Member - International Association for Impact Assessment (IAIA), Atlanta, USA (Since 1999)

Member - Institute of Waste Management of South Africa. (Since 1994)

Principal Auditor: EMS - certified - Exemplar Global (formerly RABQSA International), Australia, (2006-2017)

Lead Auditor: EMS, Environmental Management audit, Compliance audit, ISO 14001: 2015 audit certified - Exemplar Global (formerly RABQSA International), Australia, (since Sept 2017).

Present Professional Involvement

Approved Lead Auditor (since 2006) for Verification Audits under the **International Cyanide Management Code** certified to audit gold mines, cyanide producers and cyanide transporters for compliance with the Code. (<https://www.cyanidecode.org/sites/default/files/pdf/AuditorList.pdf>)

Approved Technical Expert Auditor for Cyanide Production (since 2012) for Verification Audits under the **International Cyanide Management Code (ICMI)** certified to audit cyanide producers for compliance with the Code. (<https://www.cyanidecode.org/sites/default/files/pdf/AuditorList.pdf>)

Member, (2013 – 2014) Expert Advisory Group, 2nd edition of the Awareness and Preparedness for Emergencies at Local Level (APELL) Handbook, for the United Nations Environment Programme, Division of Technology, Industry and Economics (UNEP/DTI), Paris, France.

Past Professional Involvement

External Lecturer – 5 day, intensive, Environmental Auditing Methods and Techniques Course for the Centre of Environment & Development (CEAD at University of KwaZulu-Natal (Pietermaritzburg Campus) Masters degree in Environment & Development course and for the Land Information Systems (LIM) course provided for Land Affairs managers in provincial and central government service.

Member - Integrated Environmental Management Committee (formerly the Environmental Impact Assessment Committee) of the Council for the Environment.(A learned body established to advise the Minister of Environment Affairs on all matters relating to the

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environment.) The Committee formulated the original South African Integrated Environmental Management (IEM) process and guidelines.

Member - Western Cape Branch of EPPIC (Environmental Planning Professions Interdisciplinary Committee), a voluntary grouping of professional bodies dedicated to educating their member professional institutes in the importance of considering environmental concerns in development planning.

Appointed as Verification Auditor and Evaluation Personnel for the Environmental Management System (EMS) Auditor Certification Scheme for South Africa by the Southern African Auditor and Training Certification Association since 1999.

SA Correspondent for 5 years for European Chemicals Industry newsletter, "Environment Matters" published monthly by INFONET Publications, London.

Member - INDAC (Standing Interdepartmental Government Advisory Committee on the protection of Man against Poisons). Appointed to advise the Registrar of Act 36 of 1947, the Fertilisers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, on all matters, including environmental concerns, related to the registration, use, distribution and disposal of various agricultural remedies, chemicals and substances.

Member - "Committee of 7" The Standing Government Advisory Committee appointed to advise the Minister of Constitutional Development and Planning on applications for permits for industrial sites in terms of the Physical Planning Act 1967.

Member - Government Mining Engineer's "Dump Committee" appointed to administer the GME's delegated responsibilities in terms of the Atmospheric Pollution Prevention Act and to monitor the problems of dust in the mining industry.

Research Team Member - Minister's Advisory Committee preparing the EIA for the De Hoop Missile Testing Site.

Secretary - Minister's Advisory Committee on the EIA for the Mossel Bay Gas-to-Oil Plant and Offshore Rig (Mossgas).

Member - South African Bureau of Standards Technical Committee (TC 207) on Environmental Management Systems (ISO 14000 series) and member of sub-committees on Environmental Auditing and Life Cycle Analysis and Terms & Definitions.

Member - Durban Committee of the National Association of Clean Air with responsibility for publicity.

Technical Papers and Programme Coordinator - National Association for Clean Air's "NACA '95" National Conference - "Sustainable Development, The Reconstruction & Development Programme and Air Quality - are they compatible?", 23-24 November 1995, Durban.

Member - (Commerce and Industry representative), **CONNEPP Green & White Paper Drafting Team for the National Environmental Policy for South Africa, 1996/7.**

Member - Publicity Committee of the SA Council for Natural Scientists.

Member - Chemical & Allied Industries Association (Natal) Chemical Handling & Environment Committee.

Member, (Communications Portfolio), Western Area Committee, Durban Chamber of Commerce & Industry

Trustee and member - Board of Management of ECOLINK (Environmental Education NGO) 1998-2005.

Judge, Mail & Guardian "Greening the Future" Awards (2003-2008)

Member, Environmental Forum, Durban Chamber of Commerce & Industry (2007-2017)

Training and Information Dissemination

Guest lecturing and participation in seminars at Under-graduate and Post-graduate level at the Universities of the Witwatersrand, Pretoria, RAU, Potchefstroom, Durban, Durban-Westville, Environmental Evaluation Unit-UCT, Cape Town, Wits School of Business Administration and Stellenbosch University School of Business on aspects such as Environmental Planning, Environmental Protection, Environmental Evaluation of projects, Environmental Impact Assessment (EIA), Integrated Environmental Management (IEM), Environmental Auditing, Transportation Planning, Corporate Environmental Management, Sustainable Development, Public Sector approaches to environmental concerns, Public participation in decision-making, Public involvement, What motivates environmental pressure groups and The art of complaining.

Career History

September 1977 - August 1978

Full-time Sabbatical Student Union President at the Plymouth Polytechnic acting as chief student representative and executive officer in charge of Union administration, staff, and business interests.

September 1978 - January 1981

Senior Field Staff Officer in the voluntary welfare organisation called Toc H, based in Johannesburg. My job was to support; train and assist voluntary members, fund-raise, liaise with Government Departments and local authorities, prepare publicity material and carry out an active P.R. campaign for the organisation. I also ran a community centre in Meadowlands, Soweto, for two and a half years and helped start the Hospice Movement in Johannesburg.

February 1981 - January 1987

Professional Officer to Assistant Director in the Chief Directorate: Environmental Conservation of the Department of Environment Affairs, Pretoria. I was involved in the environmental evaluation of roads; mines; quarries; residential and industrial townships, environmental impact of chemicals, biocides and the environment, environmental education programmes, professional input to the draft Environment Conservation Bill and the draft waste disposal site regulations, Environmental Impact Assessments (EIAs), EIA brief preparation and reviewing, lecturing, preparation of speeches and draft correspondence replies for the Minister and the Director-General of Environment Affairs and answering Parliamentary questions.

February 1987 - December 1988

Section Head of the Environmental Planning Unit of the Town Planning Branch of the Cape Town City Planner's Department. I headed a multi-disciplinary team of 11 environmental planners (including 2 landscape architects, an environmental scientist/geologist, anthropologist, 2 geographers, a chemical engineer, a town planner, limnologist and a draughtsman.) who worked on environmental evaluation of development, recreation and amenity planning and policy creation.

January 1989 - January 1991

Independent Consulting Environmental Scientist, Cape Town, trading as "Eagle Environmental" undertaking environmental advisory and evaluation work, Integrated Environmental Management (IEM) support, environmental impact assessment and environmental report work, corporate environmental policy advice, multi-disciplinary project coordination, and operation of a subscriber "Eagle Environmental Information Service", and started editing and publishing "Eagle Bulletin", an environmental newsletter for the professions from May 1990.

February 1991 - December 1992

Group Environmental Auditor, AECI Ltd., Johannesburg. My job was to set up group policies and procedures for environmental auditing for use within the AECI Group of companies whose businesses included plastics, explosives, nylon, paint, speciality chemicals, agricultural chemicals, Perspex, commodity chemicals and soda ash production. During my period with the company, I set up an auditing system and carried out some 21 environmental audits.

January 1992 - April 1994**Health, Safety & Environment Manager, ENGEN Refinery, Durban**

Appointed in the new position to set up a new Health, Safety and Environment (HSE) Department within the refinery to assist in the refocusing of HSE issues within the company's business plans.

May 1994 - present

Independent Corporate Environmental and Sustainability Advisor/Auditor to industry on corporate and strategic environmental and sustainability issues including environmental policy and programming, environmental and sustainability reporting, corporate social responsibility, overseas environmental trends, environmental auditing, Water Use Licence compliance auditing, review of environmental impact assessments, and environmental training of all kinds. External Lead Auditor (South Africa) for Xstrata HSEC 17 Standards baseline and first level external audits (2005/2006). International Cyanide Management Institute (ICMI) accredited Lead Auditor and Production Auditor (2006 onwards).

South African Correspondent for "Environment Matters", "European Chemical News", "Chemical News Intelligence (CNI)" and "Pharmaceutical Business News" since 1990, 1994, 1997 and 1997 respectively until 2005.

Occasional Correspondent for "Tomorrow", "Keeping Track", and Envirolink's ENS - Environmental News Service on Lycos, "Leadership" magazine, in addition to ad-hoc contributions to other journals, newspapers and publications.

TRAINING & INFORMATION DISSEMINATION

Talks and lectures also given to professional bodies, to schools, community interest groups, and community education groups on all aspects of environmental conservation, ecology, EIA, environmental auditing, environmental management, sustainable development, sustainability, integrated environmental management (IEM), etc. on live phone-in radio programmes, and in taped radio interviews and taped information inserts (Radio 702, Earthwise, Eco-watch, Talking of Nature, John Richards' Green Programme, Lifestyles and Monica Fairall's "Envirotips")

MISCELLANEOUS

Editor and Publisher of "Eagle Bulletin", a South African environmental newsletter informing the professions on environmental and sustainability matters. **(May 1990 – 2013)**

Writer and Publisher of "Practical Environmental Options" (www.peo-sa.com). On-line source of practical environmental and sustainability information. **(2015 – current)**

Author of the Environment Diary aimed at explaining environmental concepts and jargon simply and clearly in a diary. The diary is mainly used by students and scholars but is also of use and interest to the informed public. **(1993 – 2000)**

Founding Author of The Enviropaedia - An Environmental Encyclopaedia and Networking Directory of Southern Africa **(2001 edition)**. Aimed at networking industry with NGOs and explaining environmental and sustainability concepts and ideas in an encyclopaedia format. A directory section links the environmental topics with the companies and organisations involved. For everyone with an interest in the environment and sustainable development.

Author: “Business and the Environment” Chapter in annual Business Blue Book of South Africa **(1999-2008)** published in Cape Town by National Publishing (Pty) Ltd. ISBN 0-620-32763-4

Consultant to Industry & Environment Division, United Nations Environmental Programme (UNEP), Paris. Worked on WSSD UNEP Industry Sector Reports, Agri-food Programme, Mining & Sustainable Development, Chemicals & the Environment **(2001)**

Consultant to Industry & Environment Division, United Nations Environmental Programme (UNEP), Paris. Worked on UNEP-ICCA Project “Promoting Chemical Safety in the African Region”, Project Launching Workshop-East Africa Sub-region, 3rd – 4th June 2013, UNEP Headquarters, Nairobi, Kenya and Africa Project Launching Workshop - West Africa Sub-region, 23rd – 24th September 2013, Tema Port, Ghana **(2013)**