

Darryll Alex Kilian

Principal Consultant & Partner



Profession	Environmental Management
Education	MA, Environmental and Geographical Science, University of Cape Town, 1994 BA (Hons), Environmental and Geographical Science, University of Cape Town, 1990 Higher Diploma of Education, Secondary Schools, University of Cape Town, 1989 BA, Environmental and Geographical Science, University of Cape Town, 1987
Registrations/ Affiliations	Registered Environmental Assessment Practitioner in South Africa (CEAPSA) Member, Southern African Institute of Ecologists and Environmental Scientists (SAIE&ES)

Specialisation Integrated environmental management, monitoring and evaluation, environmental research, reporting and policy development

Expertise Darryll Kilian has been involved in the field of environmental management, consulting and research work in Africa for the past 24 years. His expertise includes:

- project performance monitoring and review;
- due diligence;
- environmental reporting;
- strategy and policy development;
- environmental and social impact assessment;
- environmental and social research;
- facilitation and stakeholder engagement.

Employment

2010 – present	SRK Consulting (Pty) Ltd, Partner, Johannesburg
2005 – 2009	SRK Consulting (Pty) Ltd, Principal Environmental Consultant, Johannesburg
2003 – 2005	DANIDA, Royal Danish Embassy, Environmental Programme Coordinator, Pretoria
2001 – 2003	DANCED Southern African Office, Environmental Projects Officer, Pretoria
1996 – 2001	Environmental Evaluation Unit, Senior Environmental Manager, University of Cape Town
1995 – 1996	Environmental Evaluation Unit, Environmental Consultant, University of Cape Town

Publications Darryll Kilian has contributed to a number of national and international publications on social, environmental and sustainability issues

Languages English – read, write, speak
Afrikaans – read, write, speak

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Publications

Darryll Kilian has contributed to a number of national and international publications on social, environmental and sustainability issues, including:

Book

1. Department of Environmental Affairs and Tourism (2006) *South Africa Environment Outlook A report on the state of the environment*. Department of Environmental Affairs and Tourism, Pretoria. 370pp.

Published Chapters

1. Gibson, D., Ismail, A., Kilian, D. and Matzikiza, M. (2009) The state of our environment: safeguarding the foundation for development. In *State of the Nation South Africa 2008*. (Eds. Kagwanja, P. and Kondlo, K.). HSRC Press: Cape Town, 178-200.
2. Dodson, D. and Kilian, D. (1998) From port to playground: the redevelopment of the Victoria and Alfred Waterfront, Cape Town. In: *Managing Tourism in Cities: Policy, Process and Practice* (Eds. Tyler, D., Guerrier, Y. and Robertson, M. John Wiley and Sons: Chichester, 139-162.
3. Goudie, S, Khan, F. and Kilian, D. (1996) Tourism beyond apartheid: black empowerment and identity in the "New" South Africa. In: Wells, P. (ed.) *Keys to the Marketplace: Cultural Tourism, Heritage and the Traditional Arts*. Hisarlik Press: United Kingdom, 63-83.

Published Refereed Articles

1. Goudie, D., Khan, F. and Kilian, D. (1999) Transforming Tourism: Black Empowerment, Heritage and Identity beyond Apartheid, *South African Geographical Journal*, 81(1): 22-31.
2. Kilian, D. and Dodson, D. (1997) Between the devil and the deep blue sea: functional conflicts in Cape Town's Victoria and Alfred Waterfront. *Geoforum*, 27(4): 495-507.
3. Goudie, D. and Kilian, D. (1996) Gender and environmental impact assessment, *Agenda*, 29: 43-54.
4. Kilian, D. and Dodson, B. (1996) Forging a postmodern waterfront: urban form and spectacle at the Victoria and Alfred Docklands, *South African Geographical Journal*, 78(1): 29-40.
5. Lane, S. and Kilian, D. (1995) Towards the strategic use of environmental impact assessment in the Southern African Development Community countries. In: Wood, C., Wynberg, R. and Raimondo, J. (eds.), *Impact Assessments: Involving People in the Management of Change Towards a Sustainable Future*. Proceedings of the 15th Annual IAIA meeting, 26-30 June 1995, Durban, South Africa.
6. Goudie, S., Kilian, D. and Dodson, B. (1995) Postmodern frictions: history, text and identity at the Alfred and Victoria Waterfront. *Architecture SA*, May/June edition.
7. Kilian, D. and Dodson, B. (1995) The capital see-saw: understanding the rationale for the Victoria and Alfred redevelopment. *South African Geographical Journal*, 77(1).

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Conference Proceedings

1. Gibson, D.J.D., Kilian, D. and Urquhart, P. (2006) South Africa's National Strategy for Sustainable Development: Is it the holy grail for achieving sustainable development. Conference proceedings IAIAAsa, September 2006.
2. Shroyer, M., Kilian, D and Jackalman, J. (2000) Wilderness in an Urban Setting: Planning and Management of the Cape Peninsula National Park, Cape Town, South Africa. In: *Personal, Societal and Ecological Values of Wilderness: Sixth World Wilderness Congress, Proceedings on Research, Management and Allocation, Volume II*. United States Department of Agriculture, Forest Service, Rocky Mountain Research Station, July 2000.
3. Kilian, D, Goudie, G. and Dodson, B. (1996) Postmodern f(r)ictions: History, text and identity at the Victoria and Alfred Waterfront, Cape Town. In: *Contemporary City Structuring International Geographical Insights* (Ed. Davies, R.). IGU Commission on Urban Development.

Journal Articles

I have been interviewed and quoted in numerous environmental and sustainability articles published in the press and sector specific journals. Recent articles include:

1. Strengthening sustainable development – environmental management frameworks in South Africa, *Environmental Management*, 2010
2. Contributing towards Africa's Progress: Strategic Environmental Assessment in Tanzania, *Environmental Management*, Jan/Feb 2009, 14-18
3. National environmental report maps green road, brown road, *ReSource*, Vol. 9 No. 4 November 2007, 10-11.
4. Are we progressing toward environmentally sustainable development: A sneak preview of the South Africa Environment Outlook Report, *Environmental Management*, July/August 2006, 12-15.
5. The South Africa Environment Outlook is not all good news, *Urban Green File*, Vol. 12 No. 5, December 2007, 28-31.

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Key Experience: Environmental reviews, audits and due diligences

Location: South Africa
 Project duration & year: 2 months (2016)
 Client: Confidential
 Name of Project: Environmental Due Diligence
 Project Description: Due diligence of environmental issues, risks and liabilities conducted as part of an acquisition of a chemical manufacturing plant producing polymers used in water-based paints and emulsions
 Job Title and Duties: Project Partner and Reviewer

Location: South Africa
 Project duration & year: 1 month (2016)
 Client: Confidential
 Name of Project: Technical Due Diligence
 Project Description: Review of feasibility study and supporting documentation for a greenfield platinum mine to identify material environmental and social risks.
 Job Title and Duties: Environmental reviewer

Location: South Africa
 Project duration & year: 3 months (2016)
 Client: Confidential
 Name of Project: Project Apollo
 Project Description: Due diligence of multiple operating coal mines and associated facilities to identify material environmental and social issues and risks
 Job Title and Duties: Project Partner and Reviewer

Location: South Africa
 Project duration & year: 2 months (2016)
 Client: Idwala Industrial Holdings
 Name of Project: Environmental and social performance review
 Project Description: Review of operations including quarries and processing plants to determine compliance with national environmental legislation and international environmental and social safeguard policies and guidelines
 Job Title and Duties: Project Partner and Reviewer

Location: Sierra Leone
 Project duration & year: 1 months (2015)
 Client: Sierra Rutile Limited
 Name of Project: Gangama Status Report
 Project Description: Status report on the environmental and social considerations of feasibility and implementation planning of the Gangama Expansion Project at Sierra Rutile Mine
 Job Title and Duties: Partner and Author

Location: South Africa
 Project duration & year: 5 months (2015)
 Client: Confidential
 Name of Project: Competent Persons Report
 Project Description: Review of technical aspects pertaining to 13 assets and projects of a gold mining company, including a review of significant environmental and social issues and risks, management approaches and permitting status
 Job Title and Duties: Partner and Environmental Reviewer

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Key Experience: Environmental reviews, audits and due diligences

Location: Democratic Republic of Congo
 Project duration & year: 1 month (2015)
 Client: Lamikal
 Name of Project: Pumpi Due Diligence
 Project Description: Technical due diligence including a review of the company's 2015 Environmental Impact Study for the Pumpi Project to ascertain its alignment to the requirements of the DRC environmental legislation
 Job Title and Duties: Partner and Reviewer

Location: South Africa
 Project duration & year: 2 months (2014)
 Client: ABSA
 Name of Project: KMR Due Diligence
 Project Description: Technical review of York Manganese Mine of Kudumane Manganese Resources in Limpopo Province, including a review of the mine's environmental and social performance against the Equator Principles.
 Job Title and Duties: Partner and Environmental and Social Reviewer

Location: South Africa
 Project duration & year: Technical Due Diligence
 Client: 2 months (2013)
 Name of Project: Confidential
 Project Description: Due diligence in support of the purchase of an operating colliery, greenfield opencast mine and coal processing plants in Mpumalanga Province. The due diligence included a review of environmental and social risks and liabilities
 Job Title and Duties: Partner and Environmental and Social Reviewer

Location: Democratic Republic of Congo
 Project duration & year: Kinsevere Audit
 Client: 3 months (2013)
 Name of Project: MMG Resources
 Project Description: Technical audit of Kinsevere Copper Mine 2013 Ore Reserve. The audit included a review of environmental and social compliance at the Kinsevere operation against in-country legal requirements and good international industry practice standards
 Job Title and Duties: Partner and Environmental and Social Reviewer

Location: Sierra Leone
 Project duration & year: 5 months (2012)
 Client: Sierra Rutile Limited
 Name of Project: SRL Environmental and Social Review
 Project Description: Review of the Sierra Rutile Limited's environmental and social performance in terms of national legislation and international standard such as the International Finance Corporation Performance Standards. This review identified gaps in the company's performance and set out an action plan to ensure compliance with pending national environmental regulations and align the company systems and procedures with international good practice.
 Job Title and Duties: Partner and Auditor

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Key Experience: Environmental reviews, audits and due diligences

Location:	Namibia
Project duration & year:	2 months (2011)
Client:	Auryx Gold Corporation
Name of Project:	Otjikoto Au Project NI43-101 Report
Project Description:	Technical Report to support the disclosure made by Auryx Gold Corp. of the results of a Preliminary Economic Assessment of the Otjikoto Gold Project located in the north central part of Namibia
Job Title and Duties:	Partner and Environmental Reviewer
Location:	Sierre Leone
Project duration & year:	1 month (2011)
Client:	African Minerals Limited
Name of Project:	Tonkolili Phase 1 ESHIA Environmental and Social Review
Project Description:	Review of the Stage 1 ESHIA for the Tonkolili Iron Ore Project in Sierre Leone, comprising the establishment of a mine as well as the upgrading of rail and port infrastructure to enable the transport and transshipment of product
Job Title and Duties:	Partner and Environmental Reviewer
Location:	Mozambique
Project duration & year:	2 months (2008)
Client:	Shepstone & Wylie Attorneys
Name of Project:	Legal Compliance Audit – SPT and ROMPCO
Project Description:	A legal compliance audit on the Sasol Petroleum Temane Limitada (SPT) central processing facility and the Republic of Mozambique Pipeline Investment Company (Pty) Ltd (ROMPCO) pipeline operations was conducted against social obligations included in the relevant core financing agreements
Job Title and Duties:	Principal Consultant and Social Auditor
Location:	Mozambique
Project duration & year:	1 month (2007)
Client:	Mozal ARL
Name of Project:	Mozal Legal Compliance Audit
Project Description:	Legal compliance audit of the Mozal Smelter against environmental and social obligations included in the relevant core lender financing agreements
Job Title and Duties:	Principal Consultant and Social Auditor
Location:	Malawi and Mozambique
Project duration & year:	4 months (2007)
Client:	World Bank
Name of Project:	World Bank scoping mission on disaster reduction for poverty reduction
Project Description:	Country scoping mission to Malawi and Mozambique to explore opportunities for mainstreaming disaster reduction for poverty reduction
Job Title and Duties:	Principal Consultant and Reviewer
Location:	Angola
Project duration & year:	1 month (2006)
Client:	SONANGOL
Name of Project:	Liquified Natural Gas (LNG) Project
Project Description:	Review of reports arising from the Environmental, Social and Health Impact Assessment (ESHIA) for the LNG Project in northern Angola
Job Title and Duties:	Principal Consultant and Specialist Reviewer

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Key Experience: Environmental planning, review and reporting

Location:	South Africa
Project duration & year:	7 months (2015)
Client:	Department of Rural Development and Land Reform
Name of Project:	Consolidated environmental implementation and management plan (CEIMP)
Project Description:	Preparation of a CEIMP for the Department of Rural Development and Land Reform in fulfilment of requirements of the South African National Environmental Management Act
Job Title and Duties:	Project Partner and Reviewer
Location:	Democratic Republic of Congo
Project duration & year:	3 months (2015)
Client:	International Finance Corporation, PPC Limited and Nyumba Ya Akiba
Name of Project:	PPC and NYA cumulative impact assessment
Project Description:	Cumulative impact assessment (CIA) of two greenfield cement projects comprising quarries and processing plants in Bas Congo Region of the DRC. Drawing on the good practice guidelines of the IFC, the CIA determined the synergistic impacts of air and water pollution, traffic and the influx of people on the study area.
Job Title and Duties:	Assessor
Location:	South Africa
Project duration & year:	6 months (2012 – 2013)
Client:	Department of Environmental Affairs
Name of Project:	Waste management in South African municipalities
Project Description:	Research involving a survey of 278 municipalities (metropolitan, district and local) in South Africa. Objective was to determine various labour and intensive waste management models being used to extend and improve waste collection and service delivery. The focus was to explore opportunities for involving communities in waste management as a poverty alleviation strategy.
Job Title and Duties:	Project Partner and Reviewer
Location:	South Africa
Project duration & year:	5 months (2012 – 2013)
Client:	Department of Environmental Affairs
Name of Project:	JPOI Country Synthesis Report
Project Description:	Review South Africa's progress on the implementation of Agenda 21 and the Johannesburg Plan for Implementation (JPOI) adopted at the United Nations World Summit for Sustainable Development in Sandton in 2002
Job Title and Duties:	Project partner and co-author responsible for all components of the review. Project manager responsible for all components of the EIA
Location:	South Africa
Project duration & year:	14 months (2010-2011)
Client:	Department of Environmental Affairs and local authority
Name of Project:	Pixley Environmental Management Framework (EMF)
Project Description:	Preparation of an EMF for the Dr Pixley Ka Isaka Seme Local Municipality
Job Title and Duties:	Partner and Project Manager

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Key Experience: Environmental planning, review and reporting

Location: South Africa
 Project duration & year: 24 months (2008-2010)
 Client: Cradle of Humankind World Heritage Site (COH WHS) Management Authority, Gauteng Department of Agriculture and Rural Development and local authorities
 Name of Project: Cradle EMF
 Project Description: Preparation of an EMF for the COH WHS (declared by UNESCO in 1999) to assist authorities with the management of development in and around the World Heritage Site
 Job Title and Duties: Associate Partner and Project Manager

Location: South Africa
 Project duration & year: 16 months (2008-2010)
 Client: Mpumalanga Department of Agriculture, Conservation and Environment and local authorities
 Name of Project: Lake District EMF
 Project Description: Preparing an EMF for the Msukaligwa and Albert Lithuli Local Municipalities that encompass the Mpumalanga Lake District in the Chrissiesmeer area of Mpumalanga Province
 Job Title and Duties: Associate Partner and Project Manager

Location: Tanzania
 Project duration & year: 3 months (2008-2009)
 Client: Mondi Paper
 Name of Project: Mondi Forestry Project Environmental and Social Scan
 Project Description: Environmental and social scan of a proposal to establish 230 000 hectares of commercial plantations and a paper mill in Tanga Region, Tanzania
 Job Title and Duties: Associate Partner and Project Manager

Location: South-Africa
 Project duration & year: 8 months (2006-2007)
 Client: Department of Environmental Affairs and Tourism
 Name of Project: National Strategy for Sustainable Development
 Project Description: Assisting the Department of Environmental Affairs in developing a national strategy for sustainable development in fulfilment of South Africa's commitments to the United Nations Commission for Sustainable Development
 Job Title and Duties: Principal Consultant and Drafter

Location: South-Africa
 Project duration & year: 26 months (2005-2009)
 Client: Department of Environmental Affairs and Tourism
 Name of Project: National State of the Environment Report (NSoER)
 Project Description: Developing a comprehensive NSoER for South Africa based on technical inputs of over 30 leading environmental and social scientists.
 Job Title and Duties: Principal Consultant and Project Manager

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Key Experience: Environmental assessment and management

Location: Democratic Republic of Congo
 Project duration & year: 12 months (2014 - 2015)
 Client: Africa Milling
 Name of Project: ESIA for TERRA Industrial Farming Project
 Project Description: Environmental and social impact assessment (ESIA) conducted for the TERRA project comprising a 20,000 ha commercial farm and milling plant in Katanga Province of DRC to meet international environmental and social standards and lender requirements.
 Job Title and Duties: Project Partner and Reviewer

Location: Democratic Republic of Congo
 Project duration & year: 18 months (2013 - 2015)
 Client: Nyumba Ya Akiba Sarl
 Name of Project: NYA ESIA update
 Project Description: Updating and addendum of the environmental and social impact assessment (ESIA) and associated management plans to ensure that NYA's proposed cement project in Bas-Congo Province meets international lenders requirements.
 Job Title and Duties: Project Partner and Reviewer

Location: DRC
 Project duration & year: 18 months (2012 – 2016)
 Client: Freeport-McMoRan
 Name of Project: Kisanfu EIS and EMPP
 Project Description: Environmental Impact Study (EIS) of the proposed Kisanfu Copper/Cobalt Mine near Kolwezi, Katanga Province, DRC. The EIS is being prepared to meet DRC national legislation requirements as well as be compliant with the Equator Principles and IFC Performance Standards.
 Job Title and Duties: Project Partner and Reviewer

Location: South Africa
 Project duration & year: 16 months (2012 – 2014)
 Client: Samancor
 Name of Project: Middleburg Ferrochrome EIA
 Project Description: Environmental impact assessment (EIA) for construction and operation of an energy recovery plant at Samancor's Ferrochrome operation in Middleburg.
 Job Title and Duties: Project Partner and Reviewer

Location: South Africa
 Project duration & year: 16 months (2012 – 2014)
 Client: Samancor
 Name of Project: Witbank Ferrochrome EIA
 Project Description: Environmental impact assessment (EIA) for construction and operation of an energy recovery plant at Samancor's Ferrochrome operation in Witbank
 Job Title and Duties: Project Partner and Reviewer

Location: South Africa
 Project duration & year: 14 months (2012-2013)
 Client: Samancor
 Name of Project: Tubatse Ferrochrome EIA
 Project Description: Environmental impact assessment (EIA) for construction and operation of an energy recovery plant and transformer at Samancor's Tubatse Ferrochrome operation in Steelpoort.
 Job Title and Duties: Project Partner and Reviewer

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Key Experience: Environmental assessment and management

Location:	South Africa
Project duration & year:	14 months (2011 – present)
Client:	Air Liquide (Pty) Ltd
Name of Project:	Highveld Air Separation Plant
Project Description:	Scoping and EIA for an air separation facility that Air Liquide proposes constructing and operating adjacent to the Evraz Highveld Steel plant in Witbank
Job Title and Duties:	Partner and Project Manager
Location:	South Africa
Project duration & year:	12 months (2010-2011)
Client:	FibreCo Telecommunications (Pty) Ltd
Name of Project:	FibreCo Environmental Impact Assessment
Project Description:	Impact assessment of a project to install a 4000 km-long heavy haul fibre optic data cable connecting major cities in South Africa
Job Title and Duties:	Partner and Project Manager
Location:	Botswana and Namibia
Project duration & year:	6 months (2008-2009)
Client:	CIC Energy Corp
Name of Project:	Trans Kalahari Railroad Project
Project Description:	Environmental studies for a Prefeasibility Study (PFS) of the Trans Kalahari Railroad (TKR) Project, which proposed constructing a 1,500 km-long heavy haul coal railway between Botswana and a port on the Namibian coast
Job Title and Duties:	Principal Consultant and Project Manager
Location:	South Africa
Project duration & year:	18 months (2007-2009)
Client:	Petroline Holdings (Pty) Ltd
Name of Project:	Petroline Pipeline EIA
Project Description:	EIAs of the South African section of a proposed Petroline Petroleum Pipeline Project comprising a multi-product pipeline connecting Matola Harbour in Mozambique and Witbank in South Africa as well as associated fuel storage depots
Job Title and Duties:	Principal Consultant and Project Manager
Location:	Tanzania
Project duration & year:	14 months (2006-2007)
Client:	Oji Paper Limited
Name of Project:	Strategic Environmental Assessment (SEA) of the Oji Paper Forestry Development Project
Project Description:	SEA of the Oji Paper's proposal to establish 50,000 hectares of commercial plantations in the southern Tanzania
Job Title and Duties:	Principal Consultant and Project Manager
Location:	South Africa
Project duration & year:	14 months (2004-2005)
Client:	Royal Danish Embassy
Name of Project:	South African-Danish Programme on Urban Environmental Management
Project Description:	Developing a five-year (2006-2010) DANIDA-funded Programme on Urban Environmental Management
Job Title and Duties:	Programme Coordinator, responsible for the planning and coordinating the process to programme a Danish ODA allocation to South Africa

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Key Experience: Development planning, policy formulation and training

Location: South Africa
Project duration & year: 48 months (2001-2005)
Client: Royal Danish Embassy
Name of Project: DANCED projects
Project Description: Management of Danish-funded environmental projects in southern Africa, including South Africa, Lesotho, Botswana and Namibia
Job Title and Duties: Project officer responsible for programme planning and monitoring in Namibia, implementation and monitoring of over 20 projects in Lesotho, South Africa and Namibia in specific areas of responsibility, including Local Agenda 21, environmental education, cleaner production, environmental assessment, law reform and waste management, the assessment and development of new project proposals, including small grants in the abovementioned areas, liaison and negotiation with project proposers, and the selection, appointment and management of consultants

Location: South Africa
Project duration & year: 34 months (1997-2001)
Client: Cape Metropolitan Council
Name of Project: Integrated Metropolitan Environmental Policy (IMEP)
Project Description: Developing an Integrated Metropolitan Environmental Policy (IMEP) and strategy for the Cape Metropolitan Area
Job Title and Duties: Project manager responsible for the IMEP process, including planning and development of the policy process, liaison with decision-makers in all sectors of the city, planning and coordination of a public participation and capacity building programme, drafting of the first (Year One) State of the Environment Report for the Cape Metropolitan Area, and overall financial management

Location: South Africa
Project duration & year: 72 months (1995-2001)
Client: University of Cape Town
Name of Project: Training and supervision
Project Description: Training and supervision of post graduate students undertaking courses in environmental studies at the University of Cape Town
Job Title and Duties: Project manager responsible for running environmental management projects as well as the supervision and mentoring of master students' group work and individual projects. I was also required to give lectures and seminars on the theory and practice of environmental management to honours and masters studies.