

JOSEPH MÜLDERS (Pr.Sci.Nat.)

SENIOR ENVIRONMENTAL SCIENTIST

Joseph Mülders is Senior Environmental Scientist based at Knight Piésold's Sandton office. He has 12 years of experience in the environmental services industry and is a registered Professional Natural Scientist (Environmental Science). Joseph has been involved in social and environmental risk, safeguards assessments and monitoring, spatial classification of socio-economic and environmental systems. He specialises in environmental and social due diligence, impact assessments and risk analysis, environmental monitoring, rehabilitation and offset quantification and design, stakeholder consultation, environmental monitoring and compliance. Joseph has experience in various African countries in terms of delivering projects to international best practice standards focusing on socio-economically sustainable development and management of natural resources.



REGISTRATIONS / CERTIFICATIONS

- South African Council for Natural Scientific Professions (SACNASP), Pr.Sci.Nat. Reg No. 115316

SPECIFIC RELEVANT EXPERIENCE

- **GISTM Gap Analysis for Kareerand TSF: Biodiversity Offset Implementation Planning- uMkhomazi Water Project Phase 1, South Africa:** Review, update Biodiversity Offset Report, secure landowner agreements, finalise Biodiversity Offset and Compensation Plan and manage implementation of site specific interventions and compensation programmes.
- **Project Preparation of DFFE/IUCN/GEF8 Full sized Project, South Africa:** Design of a 5 year full sized GEF 8 project aiming at the restoration and sustainable management of land for improved livelihoods in the degraded landscapes of Free State and Northwest Provinces of South Africa
- **Social Baseline Assessment, KCC, DRC:** Conduct and contribute to social baseline studies, impact assessment and social performance plan
- **ESIA and EMP Review and Update, Kamoa Kakula Copper, DRC:** Review and update the Environmental and Social Impact Assessment (ESIA) as per legal requirements at Kamoa Kakula Copper Project.
- **ESIA Update, Mumi Sulphide Project, DRC:** Update and develop Environmental and Social Impact Assessment (ESIA) as per additional activities at Mutanda Mine DRC.
- **Environmental Control Officer, Middelburg Ferrochrome, South Africa:** Conduct monthly compliance audits against licence and authorisations for dam construction activities at MFC
- **Environmental Scoping and EIA, Waste facilities in Lüderitz and Walvis Bay, Namibia:** Develop environmental and social feasibility studies for two oil & gas management facilities in Walvis Bay and Lüderitz towards submissions for the necessary authorisations with the competent authority.
- **Environmental and Social Due Diligence, Tsumeb Smelter, Namibia:** Conducted an environmental and social due diligence for the Tsumeb Smelter and develop a record of existing and potential social and environmental liabilities currently associated with the Tsumeb Smelter.
- **Environmental Support and EIA, Haib Copper Project, Namibia:** The development of feasibility studies for the Haib Copper Project towards development of a project level Environmental Management Programme (EMPr) and submissions for the necessary authorisations. Bi annual reporting and auditing.
- **Water Use License Application, Gamsberg TSF 2, South Africa:** Implement a WULA for the development of TSF for Phase 2 of the Gamsberg Mine in Northern Cape, South Africa
- **Regulatory EIA MMG Kinsevere, DRC:** Develop a regulatory EIA for the Ubuntu Farm Project in Southern DRC.
- **MUMI Biodiversity Offset Plan, DRC:** Development of a Biodiversity Offset Concept Note which provides an outline and rationale for a biodiversity offset and explores the

Knight Piésold (Pty) Ltd.
South Africa

EDUCATION

- MSc, Environmental Management, University of Pretoria, South Africa, 2015
- BSc (Hons) Environmental Management and Analysis, University of Pretoria, South Africa, 2009
- BSc, Zoology, University of Pretoria, South Africa, 2008

SPECIALISATIONS

- Environmental monitoring
- Rehabilitation and offset quantification design
- Stakeholder Consultation
- Environmental due diligence
- Impact assessments and risk analysis
- Project management

COUNTRIES OF WORK EXPERIENCE

- Namibia
- Malawi
- Mali
- Mozambique
- South Africa
- Uganda

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basic requirements, possibilities, and strategies available for MUMI to undertake a detailed and biodiversity offset plan costed within a frame.

- **DFFE/UNDP/GEF6 Full Sized Project, South Africa:** Developed and implemented the Social and Environmental Risk Management Program. Designed and implemented the project wide integrated monitoring and evaluation plan. Acting Project Manager for 4 months.
- **DFFE/IUCN/GEF7 Full sized Project, South Africa:** Project design and developed the Environmental and Social Management Plan (ESMP).
- **uThukela Water Resource Classification System (WRCS), South Africa:** Coordinated the classification and quantification of socio-economic impacts to communities as linked to changing water allocation scenarios.
- **Loulo, Goukoto and Morila Gold Mines, Mali:** Biodiversity Offset, quantifying residual impacts and proposing mechanisms for internalising costs of impacts back into the biodiversity capital value of Mali.
- **Kibali Gold Mine, DRC:** Biodiversity Offset, developed a biodiversity offset based on the past, current and future biodiversity impacts and benefits since the start of operations.
- **Makuya Nature Reserve, South Africa:** Park Management Plan, systems ecologist and spatial planner.
- **Kusile Power Station, South Africa:** Scoping and Basic Assessment, including public consultation and environmental specifications (EAP).
- **Kusile Power Station, South Africa:** Wetland Rehabilitation Strategy, baseline assessment, condition analysis and strategic design.
- **Kusile Power Station, South Africa:** Wetland Offset Strategy, baseline assessment, stakeholder engagement, offset quantification and strategy design.

WORK HISTORY

Company Name	Position	Dates
Knight Piésold (Pty) Ltd	Senior Environmental Scientist	July 2023 - Date
South African National Department of Forestry, Fisheries and Environment	Acting Director	2021 - 2023
South African National Department of Forestry, Fisheries and Environment	Deputy Director	2014 - 2021
Prime Africa Consult	Systems Ecologist	Nov 2014 - Nov 2021

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+264 81 2458790
Windhoek, Namibia

Skills

Environmental Scoping
Environmental Impact Assessments
Environmental Management Plans
Environmental Auditing
Environmental and Social Due Diligence & Legal Compliance
Technical Reviews & Proofreading
Project Management
Research & Monitoring

Education And Training

2000

Ph.D.: Fisheries Science

Rhodes University

Grahamstown, South Africa

1992

B.Sc. Hons: Animal Physiology

Stellenbosch University

Stellenbosch, South Africa

1991

B.Sc.: Zoology and Physiology

Stellenbosch University

Stellenbosch, South Africa

1987

Senior Certificate

Windhoek High School

Windhoek, Namibia

Languages

Afrikaans: First Language

English: Proficient

Membership in Professional Bodies

Associate Membership, Institute of Sustainability and Environmental Professionals (ISEP), United Kingdom;
Lead Practitioner and Reviewer, Environmental Assessment Professionals of Namibia (EAPAN);
Full Member, Namibian Chamber of Environment (NCE);
Member, Namibia Scientific Society

Lima Maartens

Summary

I have 33 years of experience in natural resource management, lecturing, environmental science and management, and consulting. Sectors that I worked in as an Environmental Assessment Practitioner include exploration (including offshore oil and gas), mining and quarrying, renewable energy (solar and wind), tourism, manufacturing, agriculture, aquaculture and mariculture, township, property (including medicine storage facilities) and waterfront developments, transport (rail and road), and infrastructure.

Employment Record

LM Environmental Consulting – Environmental Assessment Practitioner

10/2009 – Current; Windhoek, Namibia

Valencia Uranium (Pty) Ltd – Environmental Manager

09/2006 – 09/2009; Windhoek, Namibia

De Beers Marine Namibia (Pty) Ltd – Senior Environmental Scientist

01/2004 – 08/2006, Windhoek, Namibia

Simonis Storm Securities – Analyst

09/2002 – 12/2003, Windhoek, Namibia

University of Namibia – Lecturer

10/2000 – 06/2002, Windhoek, Namibia

Ministry of Fisheries and Marine Resources – Fisheries Biologist

01/1993 – 09/2000, Swakopmund, Namibia

Additional Skills

Oxford Climate Society, Oxford School of Climate Change: *Completion of the School of Climate Change* (2023 and 2022)

SHEilds Ltd., United Kingdom: *NEBOSH Certificate in Environmental Management* (2018)

NOSA, Windhoek, Namibia: *Applying SHE (Safety, Health, Environment) Principles and Procedures* (2012)

Centre for Environmental Management, Potchefstroom, South Africa: *Introduction to Integrated Waste Management for Environmental Managers* (2009)

Prospectors and Developers Association of Canada (PDAC): *From theory to practice: Corporate social responsibility and sustainable development in mineral exploration* (2007)

Crystal Clear, South Africa: *IEMA Approved Foundation Environmental Auditor* (2006)

Centre for Environmental Management, Potchefstroom, South Africa: *Implementing Environmental Management Systems (ISO 14001:2004)* (2005)

University of Stellenbosch Executive Development: *Project Management* (2004)

Publications

I have published five peer-reviewed scientific research articles (and three as co-author), six popular articles (and one as co-author), one book chapter (and one book chapter as co-author), 209 technical reports (LM Environmental Consulting), three technical reports (for De Beers Marine Namibia), and one conference paper.