

CURRICULUM VITAE

PERSONAL DETAILS

Name	Oliver Armin KRAPPMANN				
Date of birth	16 th of October 1966				
Place of birth	Nuremberg, Germany				
Nationality	German; permanent residence in Namibia				
Contact details	4 Tchagra Street, P.O.Box 2499, 9000 Windhoek, Namibia		Tel.: +264 – 81 28 99 718 e-mail: oliver@gecko.na		
Marital status	Married, three children				
Health	Good				
Driving licence	Full, codes: A, C1E				
Language ability	Fluent English speaking and writing, conversational Afrikaans Basics in Spanish and Portuguese; mother tongue German				
Computer skills	Several software packages, including: ArcGIS, MS Office, Micromine Software training courses attended: Datamine, MS Excel, Micromine, Sable				
Professional skills	30 years professional experience in mineral exploration projects with overall management and administration, financial evaluation aspects, involving a wide range of commodities and styles of mineralisation, work with governmental organisations				
Memberships & professional bodies	- Honorary Life member of the Geological Society of Namibia -South African Council for Natural Scientific Professions (SACNASP) Pr.Sci.Nat # 400097/10 - Member of the Chamber of Mines of Namibia, exploration committee				
Interests	Industrial minerals; logistics; mineral processing, pyrolysis and process fuel options; nature and environment, aviation				
Country work experience	Germany, South Africa, Mozambique, Zambia, Zimbabwe, Namibia, Portugal				

EDUCATION AND QUALIFICATIONS

Friedrich-Alexander-University Erlangen / Germany (1989 - 1995)
Geology and Mineralogy Studies; Graduation in Geology (Dipl./MSc)

PROFESSIONAL EXPERIENCE

Dr. Rietzler&Heidrich GmbH, Nuremberg / Germany (1992 - 1994)

Part-time work and part of Master's thesis:

Investigations for siting a refuse dump in the shales of the Franconian Forest Region. Supervision of diamond-drilling and water pressure tests; geological mapping and core-logging, layouts for ground water table indicators, all as part of the environmental and site selection process for the new landfill development.

Gebr. Knauf, Westdeutsche Gipswerke GmbH (1994 - 1995)

Part-time work for the second part of Master's thesis:

Exploration mapping for gypsum exploration in the Upper Trias of northern Bavaria. Work for Knauf's mineral resource department.

JCI - Randfontein Estates Limited / South Africa (February 1997 - May 2000)

Employed as production geologist with this complex gold mining operation in the western Witwatersrand. The company conducted multi-reef mining operations in the Elsburg Formation of the Witwatersrand Supergroup by trackless mining and conventional stoping. Responsible for SV4 production section ($\pm$ 20.000 tons/month) – production, resource geology, on-mine exploration. Collection, collation and interpretation of geological data and information on stratigraphy, structure and sedimentology. Coordination and supervision of samplers and geo-technicians as part of the section's staff. Direct and supervise u/g diamond-drilling operations. Guiding of development ends and mining operations, ore-reserve calculations. Layouts for development and mining, feasibility studies. Exposure to Datamine and Micromine computer modelling packages for ore resource computations and short to long-term mine planning.

Minerals Development Fund of Namibia / Namibia Small Miners Assistance Centre (June 2000 - December 2003)

Employed as Technical Assistant. The objective of NSMAC was to encourage development in the country's small-scale mining sector by providing the miners with the necessary services. Small- to medium scale miners and mining companies were helped with advice and training on reconnaissance and prospecting, with geological evaluations and mining consultations as well as support with marketing of their products. Actively involved in mineral exploration programs and exposed to the development and management of projects in mining and mineral processing – from the initial investigations to the realisation and actual production. Prominent assignments: Viability study on the re-processing of tailings material of the defunct Klein Aub Copper Mine; Joint project with the small-scale miners' cooperative at Uis to explore and develop the B1/C1 tin-tantalite deposit; Reviving of Cape Cross Salt mine. Various economic assessments for the Minerals Development Fund of Namibia in view of financial assistance to mining projects. Secretary to the board of directors; Directorship with two subsidiary companies.

Gecko Group of Companies (May 2008 –November 2024)

Director Geology of Gecko Namibia (Pty) Ltd, 2008 until March 2021,

Manager Mineral Resource Department. Gecko's objective is the development and exploitation of mineral deposits with projects in a large variety of commodities. Mineral exploration, project management with aspects of health and environment, mineral processing, project administration, tenement management, communications with government bodies. Gecko Namibia entered into joint ventures with Celsius Resources, Australia (ASX), Imerys Carbon & Graphite and with Namibia Critical Metals, Canada, TSX listed.

My roll being member of project management teams and overseeing matters of resource and license administration. I was involved with the large number of projects with different styles of mineralisation of which some are listed in the following:

Project		Period	Involvement
Aranos Coal, Namibia		2008 - 2010	Exploration, hydrogeology
Otjivalunda Salts, Namibia		2009 - 2015	Exploration, project management
Marine Phosphates and DE, Namibia		2009 - current	Exploration, project management, director
Cape Cross Salt, Namibia		2009 - current	Exploration, oversee Environmental Impact Assessment (EIA), perform enviro audits, consulting
Okanjande Namibia	Graphite,	2010 – current	Exploration, project co-management, EIA, consulting
SwaCa Lime, Namibia		2010 - current	Owner; exploration, project management, EIA, director
Mbada Zimbabwe	Diamonds,	2012 - 2015	Consulting
Solwezi Copper, Zambia		2014 - 2017	Exploration, project co-management, EIA
Alcouthim, Iberian Pyrite Belt, Portugal		2016 - 2017	Consulting
Okorusu Fluorspar and Iron		2016 – current	Exploration, project co-management, environmental management
Epembe Pyrochlore (Ta, Nb) , Namibia		2017 - 2019	Project co-management
Lofdal REE, Namibia		2017 - 2019	Technical assistant, project administration

Geokey Consult CC - self-employed from 2004 till 2008, 2018 to current

Sole proprietor of this closed corporation. Contract and consulting work in the fields of mineral exploration & mining, environmental management, viability assessments, project development and project due diligence.

Assignments and work conducted:

- January - June 2004: Geological Survey of Namibia
Geochemical Stream and Soil Sampling Programme on the extend of 1:250 000 Topographical Map 2116 Okahandja
- August 2004: Afri Ore (Pty) Ltd
Diamond drill core logging for the company's Capricorn gold exploration project in the Otjiwarongo area of northern Namibia

- September 2004: Cortec (Pty) Ltd
Desk-top study on the Cortec's two Exclusive Prospecting Licenses for Tantalite in the Tantalite Valley area of southern Namibia
- October 2004: GeoAfrica Prospecting Services (Pty) Ltd
Gold exploration on two Exclusive Prospecting Licenses at Muzo and Naburi, Zambezia Province, Mozambique
- November 2004 – March 2005: Geological Survey of Namibia
Geochemical Stream and Soil Sampling Programme on the extend of 1:250 000 Topographical Map 2114 Omaruru
- February 2005: Chemetall GmbH / Germany
Phase-1 Cesium exploration project in Namibia:
Desk-top study on LCT pegmatite occurrences
- April 2005: Federal Institute for Geosciences and Natural Resources (BGR, Germany)
Excursion guide to small-scale mining locations in Namibia
- April – June 2005: Craton Diamonds (Pty) Ltd
Exploration drilling program on the company's Eden manganese project, Otjasondu area, Namibia. Setup, management, drill supervision and borehole logging
- June - July 2005: International Project Development (Pty) Ltd
Desk-top investigations for cement raw materials in Namibia
- June – August 2005: Chemetall GmbH / Germany
Phase-2 Cesium exploration project in Namibia; desk-top investigations, project proposal and budgeting
- August – September 2005: Igneous Mining (Pty) Ltd
Gemstone mining and exploration projects in Namibia; Geological investigations and application for a Mining License
- September 2005: Federal Institute for Geosciences and Natural Resources (BGR, Germany)
Desktop study / qualitative surveys of tantalite, tungsten and gold mineralization for small-scale mining in Namibia
- September - December 2005: Kalahari Minerals plc
Data digitizing for copper exploration project; layout and supervision of drilling programs; borehole logging and computation of data with Micromine software.
- September 2005 – December 2006: Bannerman Resources Ltd
Assist with the setup and initial phase of two uranium exploration programs. Data search and computation of the data; Project management and administration, training of field assistances and junior geologists, diamond core logging and compilation of data, Micromine computation.
- March 2006 – July 2007: Geological Survey of Namibia
Geochemical Stream and Soil Sampling Programme on the extend of 1:250 000 Topographical Map 2014 Fransfontein
- October 2006 – November 2007: Federal Institute for Geosciences and Natural Resources (BGR, Germany)
Project study: Calcrete as an alternative building material
- March 2007 – June 2008: Avdale Namibia (Pty) Ltd
Reverse circulation and diamond drill supervision and logging for the Otjikoto Gold resource definition project. Geological mapping and borehole logging for Teal's regional exploration programs. The deposit is presently mined and operated by B2 Gold, Namibia
- April 2007 – July 2008: Sunrise Minerals (Pty) Ltd

Application for Exclusive Prospecting Licenses EPL 3750 & 3751; accredited agent for the company in Namibia and coordination of remote sensing for prospecting over the license areas

- July 2007: Pyromet (Pty) Ltd
Desk-top study on high-grade quartz occurrences for silica carbide production in Namibia
- January - May 2008: Elspe Minerals (Pty) Ltd
Investigations on mineral licenses ML-105A-D for assessment of the gypsum resource available to mining as a cement additive. Various administrative matters as accredited agent for this company
- October 2018 - present: Gecko – Northern Graphite (former Imerys Okanjande Graphite (Ltd) Ltd)
Mineral license administration, environment and ground water management
- November 2018 - 2020: Celsius Resources Ltd
Management of EIA process for Opuwo Cobalt mining licence application
- February 2019: Elspe Minerals (Pty) Ltd
Resource definition of gypsum mineralisation and renewal application for ML-105
- July 2019 -Aug 2021: Tulela Processing Solutions (Pty) Ltd
Project management: mineral exploration base and precious metals;
Garub West project copper exploration;
Sinclair Copper Mine: exploration program and RC drilling
- January – May 2021: Imprint Investments (Pty) Ltd
Exploration for manganese on exploration licences, Otjizondo manganese field, Namibia
- Nov 2021 – present: Namib Lead and Zinc Mining (Pty) Ltd
Brown field exploration on companies exclusive prospecting licences; mineral licence administration and management support
- January 2022: Galiano Gold Inc
Environmental due diligence on Navachab Gold Mine
- February 2022: Castlake L.P.
Part of the due diligence team working on AfriTin Uis Tin Project
- June 2022 - present: Forsys Metal Corp
Norasa Uranium project; oversee permit and licencing; oversee resource definition process; mineral licence administration; oversee EIA process, contracts administrator.
- March 2025 – present: Walvis Bay Salt
Solar salt expansion project

PUBLICATIONS

Calcrete, a cost-efficient natural building material for housing construction in Namibia: assessment of geological resources, properties, and economic viability. [2008], German Technical Cooperation (GIZ), Cooperation Project of Bundesanstalt für Geowissenschaften und Rohstoffe (BGR), Geological Survey of Namibia, Habitat Research & Development Center of Namibia (HRDC)

Industrial Minerals mined in Namibia, [2017], Cooperation Project of Bundesanstalt für Geowissenschaften und Rohstoffe (BGR) and the Geological Survey of Namibia

REFERENCES

Dr Rainer Ellmies, Gecko Exploration (Pty) Ltd	cell +264 81 1225225
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Veston Malango, CEO Chamber of Mines of Namibia	cell +264 81 1276381

More details can be provided on request.

Oliver Krappmann