

Name	Ronald Smit
Proposed Position	Consultant
Employer	To be determined
Date of Birth	08/12/1956
Nationality	Dutch and South African
Qualifications	<ul style="list-style-type: none"> » Heriot-Watt University (Edinburgh Business School), Edinburgh, UK. MBA, 2003 » University of the Witwatersrand, Johannesburg, South Africa. M.Sc.(Eng.)(Mining), 1992 » University of South Africa, Pretoria, South Africa. Diploma in Datametrics, 1986 » Rand Afrikaans University (now: University of Johannesburg), Johannesburg, South Africa. B.Sc.(Hons)(Geology), 1979; B.Sc.(Earth Sciences), 1978.
Professional Certification	<ul style="list-style-type: none"> » Royal Dutch Institute of Engineers (KIVI-NIRIA) » Royal Geological and Mining Society of the Netherlands (KNGMG) » Society for Geology Applied to Mineral Deposits (SGA) » Geological Society of South Africa (GSSA) » Southern African Institute of Mining and Metallurgy (SAIMM)
Country experience	Benin, Burkina Faso, Colombia, Ethiopia, Ghana, Iraq (desktop, home-based work only), Kenya, Madagascar, Mali, Mongolia, South Africa, Togo, Uganda, Zambia, Zimbabwe
Technical Competences	Mineral production monitoring, mineral export valuation, minerals policy and legislation development, stakeholder engagement, EITI, political economy, Strategic Environmental and Social Assessments, mining cadastre design, mineral exploration, project team leadership
Languages	English, Afrikaans, Dutch, German (limited), French (limited)

Summary of Experience

Ronald Smit is a leading mining sector specialist, with extensive international management experience in the fields of mineral exploration, project evaluation and mining sector development and governance consulting. His areas of expertise include geosciences, mineral export valuation and mineral production monitoring, mining environmental assessment and regulation, mining cadastre design, business administration and general support to public mining sector institutions.

Ron has recently lead the EU-funded Mineral Production Monitoring Support Project (MPMSP) in Zambia, building capacity within the country's Ministry of Mines and Minerals Development, specifically to improve the quality of governance over mineral production reporting by the mines, thereby improving confidence in the applicable royalties to be paid and the valuation of mineral exports. This project, with a budget of more than EUR 5 million and a duration of 4 years, provided modern analytical, metallurgical, gemmological and IT equipment to the Geological Survey Department among others and included on-the-job and more formal training for ministry officers. The on-the-job trainings focused strongly on the monitoring and inspection of mineral production and processing, with particular emphasis on copper and cobalt in Zambia. Reported mining costs were reviewed. The project has also raised the visibility and communication skills within the Ministry and within the Zambian EITI.

Ron has significant mining sector experience, including key projects in Zambia, Ghana, South Africa, Uganda, Ethiopia, Kenya and Mongolia. He recently led training programmes for Mongolian and Zambian government officials on the valuation of copper products, iron ore, manganese products, as well as mineral sampling and analysis. In Ethiopia he co-lead a strategic assessment of the mining sector, including an assessment of the potential growth of that sector. This involved a review of existing mining and exploration operations, an assessment of the geological and other aspects that might attract additional investment, and the various factors (fiscal, infrastructural, institutional and other) that potentially limit further investment.

In an earlier project in Mongolia, he conducted a policy and functional review of mining sector institutions, as part of the WB-funded Mining Sector Institutional Strengthening Technical Assistance Project, in partnership with another consultant.

He was Team Leader of a large EU-funded project in Ghana, from 2005 to 2008, assessing the various environmental and social impacts of the mining sector in that country. Outputs included a rating of these impacts, categorised by type of impact for each type and scale of mining.

Prior to his move into donor-funded projects, Ron gained extensive private sector experience in base metal and especially gold exploration, as well as ore reserve estimation. He worked for almost 20 years in various exploration and related management roles where his tasks included geological and geochemical mapping, target generation, exploration project technical and financial management, leadership over exploration teams and identification and management of joint venture opportunities.

Throughout his career, Ron has developed extensive networks with government mining institutions, environmental agencies, mining sector operations, donor agencies, as well as local and international experts.

Employment history

Duration	Position	Employer
2008 – Present	Owner	Ron Smit Consulting
2005 – 2008	Team Leader	Swedish Geological, Ghana
2003 - 2005	Independent Consultant	Self
1995 – 2001	Manager	Western Areas Limited (formerly JCI Ltd)
1991 – 1994	Senior Geologist	Johannesburg Consolidated Investments Ltd
1984 – 1987	Senior Geologist	GENCOR (formerly General Mining Union Corp)
1982 – 1984	Geologist	General Mining Union Corp

Selected projects

Zambia: Consultant, Training on Mineral Export Valuation to the Zambian Revenue Authority and the Ministry of Mines and Minerals Development (Intergovernmental Forum on Mining, Metals, Minerals, and Sustainable Development)

Date: June 2019. ongoing

Development and delivery of training to Zambian officials on mineral export valuation and related topics, in order to support the government's need to ensure that appropriate taxes and royalties are levied in respect of mineral exports. Ron designed and led the sections on physical aspects of valuation (sampling and analysis) but also pricing systems, specifically for copper and copper concentrates, as well as for manganese ore and derived products.

Mongolia: Consultant, Training on Mineral Export Valuation to the Ministry of Finance, tax authority and others (Intergovernmental Forum on Mining, Metals, Minerals, and Sustainable Development)

Date: February 2019

Development and delivery of training to Mongolian officials on mineral export valuation and related topics, in order to support the government's need to ensure that appropriate taxes and royalties are levied. Ron designed and led the sections on physical aspects of valuation (sampling and analysis) but also pricing systems, specifically for copper and copper concentrates, as well as for iron ore. Participants represented the Ministry of Finance, the tax authority, the Ministry of Mines and Erdenes.

Zambia: Team Leader of the Mineral Production Monitoring Support Project within the Ministry of Mines and Minerals Development (European Union)

Date: January 2015 – January 2019

Building capacity to improve the governance over the reporting of mineral production by the various mines in the country. The overall purpose was to help ensure that the Zambian state obtained the appropriate revenue from the mining sector. The project addressed issues like improved, more complete production reporting, to form the basis for the calculation of royalties. Improved mineral export valuation was achieved by linking mines' production reports to their export permits, based on analysis of samples and checking these with actual export data. This project included the sourcing and

procurement of relevant equipment to the Geological Survey Department, the Mines Cadastre Department and the Mines Development Department, as well as conducting a range of formal and on-the-job trainings directly related to the monitoring of mineral production. Trainings involved conducting regular inspection missions to the mines, sampling of mineral products from the mines and processing plants and analysis of the sampled materials in the GSD laboratories. Metal accounting through the entire value chain from the mine site to the export of cathodes and other products. Drafting of updated mining regulations relevant to mineral production reporting and updating of the EITI Bill for Zambia.

Netherlands: Strategic Study of Sustainability of the Gold Supply Chain (Dutch Ministry of Foreign Affairs)

Date: January 2015 – June 2015

Investigated and described sustainability issues related to gold mining, processing, trading and recycling, and helped develop potential policy and project options for the Dutch government, to influence various stakeholders along the supply chain, in order to improve sustainability. Co-authored a report, *Options for Sustainability – Strategic Gold Chain Assessment*, describing and ranking various environmental and social impacts of gold mining.

Kenya: Consultant, Kenya Extractive Industries Development Programme (DFID)

Date: 2014

Support to the Ministry of Mining (MoM), including drafting of new mining legislation and mineral rights licensing processes. Arranging procurement and implementation of an online cadastre portal to facilitate licence applications.

United Kingdom: Consultant, Mining Governance Assessment (World Bank)

Date: 2014

Participated in design of an assessment tool (MinGov) to rate and compare governance aspects of mining sectors in various countries.

Mongolia: Consultant, Policy Advice to the Ministry of Mining on a Functional Review of Institutions engaged in the Management and Regulation of the Mining Sector (World Bank)

Date: May – September 2013

Conducted a review of mining policy and legislation in Mongolia, this was in reference to their ability to ensure (a) appropriate governance over the mining sector and (b) maximisation of the sector's long-term contribution to country's wider economy.

Ethiopia: Co-Team Leader, Strategic Assessment of the Mining Sector (World Bank)

Date: May 2013 – January 2014

Conducted an analysis of the mineral sector value chain in Ethiopia which included an assessment of the existing regulatory and institutional framework to ensure appropriate governance of the sector, a study of the potential benefits and costs of the mining industry, for Ethiopia and an assessment of exploration potential for various minerals. Specific activities included discussions with the Ministry of Mining, its different departments, as well as various other public institutions in Ethiopia; mapping the exploration and mineral investment potential in respect of gold and other types of mineral deposits in different parts of the country; discussion of mining- and exploration-related policy matters, especially with respect to mineral rights licensing; assessment of the governance landscape, with reference to the various issues (legal, technical, financial, environmental, etc.) as well as the federal, regional and local aspects; discussions with other donor agencies (CIDA, AusAID and others) to ensure coordination and avoid overlaps; formulation of recommendations to identify opportunities and to avoid risks, so as to ensure that the mining industry has a maximum beneficial impact on the country.

Zambia: Consultant, Project design to plan assistance for improved mining governance in Zambia (AusAID)

Date: November 2012

Identification of focus areas for intervention to improve mining sector governance and to increase the beneficial impact of mining on the economy of Zambia; Assessment of potential intervention areas, including geological mapping requirements, management of the mining cadastre system, mining-related regulation design and enforcement, verification of mine production (copper, cobalt, gold) and mining sector technical training requirements; Planning of project activities. Discussions with the Ministry of Mining, Energy and Water Development, (Permanent Secretary, Mines Development Department, Mineral Economics Unit, and Geological Survey Department); Diagnosis of the regulatory and

organisational situation w.r.t. mining cadastre management in Zambia; Discussions with Zambian Revenue Authority (Large Taxpayer Department); Discussions with other donor agencies (World Bank, EU, Norwegian Embassy) to ensure coordination and avoid overlaps; Formulation of recommendations for AusAID.

Ghana: Consultant, Scoping study in Ghana to help determine potential future projects (AusAID)

Date: July – August 2012

Main project features include determination of areas where AusAID could potentially assist in mining sector development and governance and wide consultation with mining sector stakeholders. Discussions with sector stakeholders, including the Minerals Commission, Environmental Protection Agency, Chamber of Mines, individual mining and contracting companies, civil society organisations and think-tanks, and Internal discussions.

Colombia: Consultation with the Colombian Contraloría General de la Republica (CGR, the Comptroller General's Office) in connection with Mining Environmental Impacts

Date: November 2011 – April 2012

Main project areas included consultation on general environmental and social effects of mining and exploration (November 2011) and training of CGR staff members on EIA and general environmental governance issues (March 2012.) Responsible for discussion of closure planning and decommissioning issues, with reference to examples from Ghana, discussion of Environmental Financial Assurance mechanisms, presentations on the abovementioned topics, to a national forum hosted by the CGR, interactions with Colombian NGO's and advocacy groups and for hosting training sessions with Contraloría staff on mining sector EIA and mining sector regulations and appropriate governance. Discussions also addressed responsibilities for regular environmental inspections and the rating of different mining-related environmental and social risks.

Iraq: Consultant, Non-oil Minerals Sector component of the UNIDO Private Sector Development Project (Upstream Output Consolidation) for Iraq

Date: December 2011 – June 2012

Responsible for the description of the existing mineral resources and industry in Iraq, comparisons with resources and industries in other countries, specific proposals for development of industrial and other minerals, including strategic investment plans, specific action plans, preparing proposals related to restructuring of legislation and mining sector related institutions and interactions with Iraqi and international institutions and experts.

Ghana, Sweden and the Netherlands: Manager, Energy Efficient Recycling of Electric and Electronic Scrap (e-scrap) in Ghana (NDF)

Date: June 2010 – June 2013

Responsible for the management and coordination of activities in Ghana, carried out by partners GreenAd and the Ghana EPA, together with private sector technology partners. Development of workshops and trainings to build a skills base and capacity within the ranks of scrap dealers and studied different business models to facilitate appropriate private sector participation in the recycling industry. Responsible for the proposal of new legislation (laws and regulations) for appropriate governance of e-waste, including presentation of an industry position paper, the investigation of replication possibilities in other cities and countries and a presentation of project activities and findings to various seminars in Ghana and internationally.

Uganda: Team Leader, Design of a Mining Cadastre and Registry System (Nordic Fund).

Date: June 2009 – May 2010

Produced a design for a new, digital mineral rights cadastre and registry system for the Department of Geological Survey and Mines (DGSM), in accordance with Ugandan legislation. Part of the Sustainable Management of Mineral Resources Project SMMRP.

Ghana: Consultant, Assessment of Mineral Investment Potential (Swedish Geological AB)

Date: 2009

Assessed the geology and operations of existing gold mining operations and exploration projects in Ghana, identified a limited number of investment opportunities in advanced gold exploration projects.

Ghana: Team Leader, Integration of DAP Servers into the IMS and incorporation of Geophysical and Geological Data Project (European Union)

Date: 2009

Procurement and implementation of DAP server hardware and software for the Minerals Commission and the Geological Survey Department.

Ghana: Team Leader, National Environmental Impact Assessment and Strategic Environmental Assessment Project (European Union)

Date: July 2005 – June 2008

This project involved wide consultation with communities, mining companies, government institutions and various other stakeholder organisations. Outputs included proposals for improvements to regulations and for mining environmental strategy.

Johannesburg Consolidated Investment: Mineral (gold exploration) and new mining business investigations – Ghana, Mali, Burkina Faso, Côte d'Ivoire, Togo and Benin

Date: 1991 – 2001

Assessed the geology for economic gold deposits and potential mineral investment opportunities in a number of African countries. Assessed the legislative environments and institutional capacity in African countries. Initiated and negotiated potential joint venture opportunities with mining and exploration companies. Negotiated and liaised with government agencies in connection with the divestiture of Ghana State Gold Mining Corporation properties. From 1994 onwards, appointed as Exploration Manager in Accra, Ghana, with responsibility for managing gold exploration projects in Ghana, including exploration and development of the old Prestea gold mine. Identification of other exploration and mineral investment opportunities further afield in West Africa.