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2026 EVENTS



Data Analytics & Machine Learning for Geoscientists



8 & 9 October



Online zoom



SAMREC/SAMVAL Advanced Course



21 & 22 October



Johannesburg Country Club,
Auckland Park



African Exploration Showcase



18 & 19 November



Johannesburg Country Club,
Auckland Park



For more info and registration
www.gssa.org.za/calendar

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NOLEEN PAULS

GSSA PRESIDENT

CELEBRATING OUR HERITAGE, BUILDING OUR FUTURE

Heritage Month gives us an opportunity to reflect on where we come from, the people and experiences that have shaped us, and the legacy we are creating for those who follow.

One of the highlights of September was the Lichtenburg Centenary Conference and field trip led by Professor Mike de Wit. A hundred years of geological history is definitely something worth celebrating, but the real value lies in continuing to learn from that history and sharing it with others.



A particularly special moment was meeting explorer Daan Pienaar at the site of the original Lichtenburg diamond discovery. Standing there a century later was a wonderful reminder of how geology, history and people become intertwined.

From Lichtenburg, we moved to the KwaZulu-Natal South Coast for the GSSA Ductile Deformation Course and field trip, presented by Professor Mike Watkeys. The course combined classroom learning with practical fieldwork in the complexly deformed rocks of the Natal Belt. It covered structural geology fundamentals, stereonet plotting, rock deformation, fold classification, geological mapping and the relative dating of structures, giving participants the opportunity to apply theory directly in the field.



For GSSA mentee Njabulo Dlamini, the course was a valuable reminder that structural geology is about more than identifying faults and folds – it is about understanding the story they tell. The experience strengthened her understanding of how structural geology connects with hydrogeology, mineral exploration and geotechnical work, while giving her greater confidence in applying structural interpretation to multidisciplinary geoscience problems. She left the course with a renewed motivation to continue developing her skills as a geoscientist.

This is what professional heritage is about too. Knowledge is not preserved simply by recording it; it stays alive when it is shared and passed on. Courses like this provide an opportunity for experienced geoscientists to share their knowledge and for participants to learn in the best classroom we have – the field.

September also saw the GSSA at Electra Mining Africa, where we hosted our inaugural GSSA Explorers' Pitch. The competition challenged student teams to develop a realistic exploration concept, considering the geology, exploration programme, budgets, risks and commercial potential, and then pitch their ideas to a panel of industry professionals in a Dragons' Den-style format.

The top three teams came from the University of Jhb, University of Limpopo and University of Venda. Congratulations to Team Strata X Exploration from Limpopo, who took the honours.

Reflecting on the experience, Team Strata X said that what started as an opportunity to put their geological knowledge to the test quickly became much more than a competition. The Explorers' Pitch challenged them to step into the world of exploration geology and "not just think like students but see ourselves as real exploration geologists." From interpreting geology and selecting exploration methods to considering budgets, risk and the potential value of a discovery, they had to turn their ideas into a real-life project that would be challenged by the judges. The pitching process pushed them outside their comfort zones, requiring them to simplify complex geological concepts, make decisions with limited information and defend those decisions as a team.



"Winning the Explorers' Pitch was incredibly rewarding, but our biggest takeaway was the experience itself." The team said the competition showed them that geology is not only about understanding rocks, but also about making decisions, communicating ideas and thinking like professionals. For them, opportunities such as the Explorers' Pitch provide a valuable glimpse into the realities of industry and demonstrate the importance of turning classroom knowledge into practical skills.

And perhaps that brings us back to Heritage Month.

Our geological heritage is extraordinary. South Africa has a long and important history of geological discovery, exploration and mining. In September, we were able to experience that heritage in very different ways – from standing at the site of the original Lichtenburg diamond discovery, to examining complex structures in the rocks of Southbroom, to watching students take their first steps into the world of exploration.

What connects all three is people.

That, for me, is what makes our profession so special.

As the GSSA continues to expand its role in advancing geoscience, professional development, and industry standards, the timely payment of membership fees has never been more important. These contributions are not just administrative — every rand you contribute helps power flagship events like GeoCongress, supports the student and community outreach programmes that promotes and strengthens the voice of geoscience in South Africa. By paying your fees, you're not only securing your place in a respected professional network—you're actively shaping the future of our discipline.

By renewing your membership in 2027, you are directly investing in the credibility of the profession, the strength of our community, and the resources that support geoscientists across South Africa and beyond.

Please ensure we have your updated contact information

Every year the GSSA sends tens of thousands of Rands worth of invoices to email addresses that no longer exist; either members have moved companies or have retired. If members don't receive their invoices, they cannot pay them and that results in a significant debt that the GSSA has to write off. We would ask that members please log into their profiles on the website and update their contact information – not only does that assist us with sending membership fee invoices to the correct address, but also to ensure that you continue to get the weekly event mailer, the monthly newsletter and the quarterly Geobulletin.

Invoice payment

- Formal invoices will be issued in the first week of October 2026. If you pay the early bird discounted fee by 31 December, the system will automatically apply the discounted amount to your account.
- Membership fees are due by 28 February 2027 (which is our new Year-End, in compliance with SARS requirements for Voluntary Associations).
- If you run into problems paying your annual fees for any reason, please contact us (admin@gssa.org.za and/or accounts@gssa.org.za). We will gladly provide a tailor-made solution to assist you to paying your fees.
- Members whose annual fees remain unpaid after 15 March 2027 (and who have not contacted us to make special payment arrangements) will not have access to member privileges.

Updated fee payment schedule

To help the GSSA meet its annual financial commitments, Council has approved the following membership fee schedule.

2027 fee increase: Membership fees for 2027 have increased by 5%.

Early-bird discount: Members who pay by 31 December 2026 will qualify for the discounted 2027 rate.

2026/27 Membership Fee Schedule	2026 Fees	2027 Fees	2027 Fees (5% Increase)
		Early Bird Pay by 31 Dec 2026	After 1 Jan 2027
Corporate (Member or Fellow)	R1 825.00	R1 825.00	R1 900.00
Retired Member or Fellow	R546.00	R546.00	R575.00
Dual Membership	R2 435.00 (R1 217 each)	R2 435.00 (R1 217 each)	R2 550.00 (1 275 each)
Life Member/Life Fellow /Honorary	Nil	Nil	Nil
Affiliate	R1 205.00	R1 205.00	R1260.00
Retired Affiliate	R510.00	R510.00	R535.00
Institutional Member	R9 115.00	R9 115.00	R9 500.00
Student	Nil	Nil	Nil

Please note that the **Early Bird special ends on 31 December 2026. Any fees paid in January will be subject to the 5% increase figure.**

- Members who wish to apply for **Retired Membership** must please contact Kate (admin@gssa.org.za). Note that retired membership is only applicable to members over the age of 65 years and who are fully retired (i.e. who do not receive the bulk of their income from paid employment, including ad hoc consulting).
- While **Life Members/Fellows and Honorary Members/Fellows** obtain free membership, they are reminded that they may contribute financially to the GSSA if they wish. Please contact Marliese (accounts@gssa.org.za) directly on how this may be done. This is also true of any other member who wishes to contribute over and above their normal membership fee.
- **Affiliate Membership** is only applicable to individuals who do not work as geoscientists (i.e. members of the public who have an interest in geoscience and geoheritage). It is not a cheaper membership option for those who are actively employed in the minerals industry. If you are unsure if you fall into this category, please contact Kate (admin@gssa.org.za) directly.
- For **Student Members** to continue to qualify for your free membership, please provide proof of registration as a full-time student (not post-doc). Additionally, copies of any degrees awarded during the previous year must also be sent. This must be sent to admin@gssa.org.za as soon as possible.

Putting the 2027 fees into perspective

- What does less than R2 000 buy in South Africa today?
- A single dinner for two at a mid-range restaurant, including wine.
- A pair of running shoes from a popular sports brand.
- A month's groceries for a small household, if carefully budgeted.
- A tank and a half of petrol for a family car.
- Tickets for a family of 5 to the Soweto Derby (or half a ticket to the Springbok-All Blacks game).

In everyday terms, less than R2 000 can disappear quickly on short-term expenses. As a GSSA membership fee, however, it supports a full year of professional value.

What does less than R2 000 mean for GSSA members?

- It covers your annual membership fee for 2027.
- It gives you access to GeoCongress discounts, technical talks, and networking opportunities.
- It supports the REI Fund, bursaries, and student initiatives that help develop the next generation of geoscientists.
- It helps the Society continue publishing the South African Journal of Geology and maintaining professional standards and visibility for the discipline.
- It keeps you connected to a professional community that shares your challenges, interests, and aspirations.

A Plea to Members

Think of it this way: the cost of a single evening out could instead sustain an entire year of professional belonging, advocacy, and advancement. The GSSA is not just another subscription — it is the backbone of geoscience in South Africa. By paying your fees, you are investing in your career, your discipline, and the future of our science.

Please pay your 2027 membership fees. Your contribution is small compared to what you gain — and what the Society achieves because of you.

Tania Marshall

Executive Manager

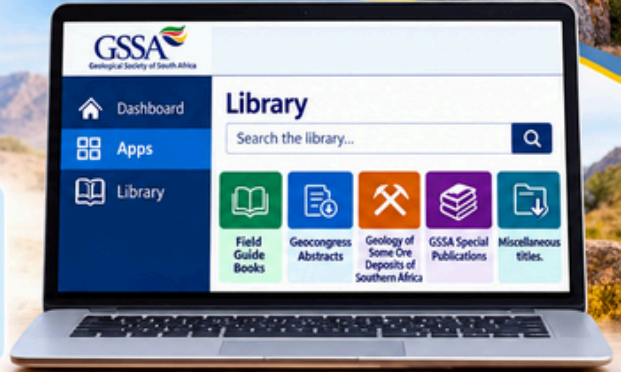


 Date	 Event	 Format
27 February	Data Management and Sampling QAQC	Online
11 March	CPD Workshop	Online
17 & 18 March	Financial literacy in mineral project development	In person (Jhb Country Club)
10 April	3D Geological Modelling	Online
18 April	Geotech for Geologists	Online
3 May	XRF Course - basics to advanced	In person (Jhb Country Club)
25 & 26 May	Oil & Gas Symposium	Online
14 & 15 June	AI in Geology	Online
30 June - 2 July	Geocongress 2027	In person (Scottburgh,KZN)
16 July	Coal Day 2027	Online
22 July	GSSA AGM	Hybrid (Jhb Country Club)
29 July	Beyond the Rocks: Essential Skills for Geoscientists	Online
5 August	Field-to-Findings: A Complete Course in Drilling, Sample Handling & Result Interpretation	Online
8 September	Professionalism & Code of Ethics Workshop	Online
9 & 10 September	Geostatistics Beginners & Advanced	Online
21 September	Geophysics for Geologists	Hybrid (Jhb Country Club)
7 & 8 October	Data Analytics and Machine Learning	Online
14 October	Commodities Day - Critical Minerals	Online
28 October	Groundwater for Geologists	Online
17 & 18 November	African Exploration Showcase	Hybrid (Jhb Country Club)
18 November	Fellows Dinner	In person (Jhb Country Club)

New on the GSSA Website – **LIBRARY**

The new GSSA library module gives members secure, easy access to a curated collection of geoscience publications and resources.

To access the library, follow these steps:



The following collections are currently available for free download:



Field Guide Books



Geocongress Abstracts



Geology of Some Ore Deposits of Southern Africa



GSSA Special Publications



Miscellaneous titles.

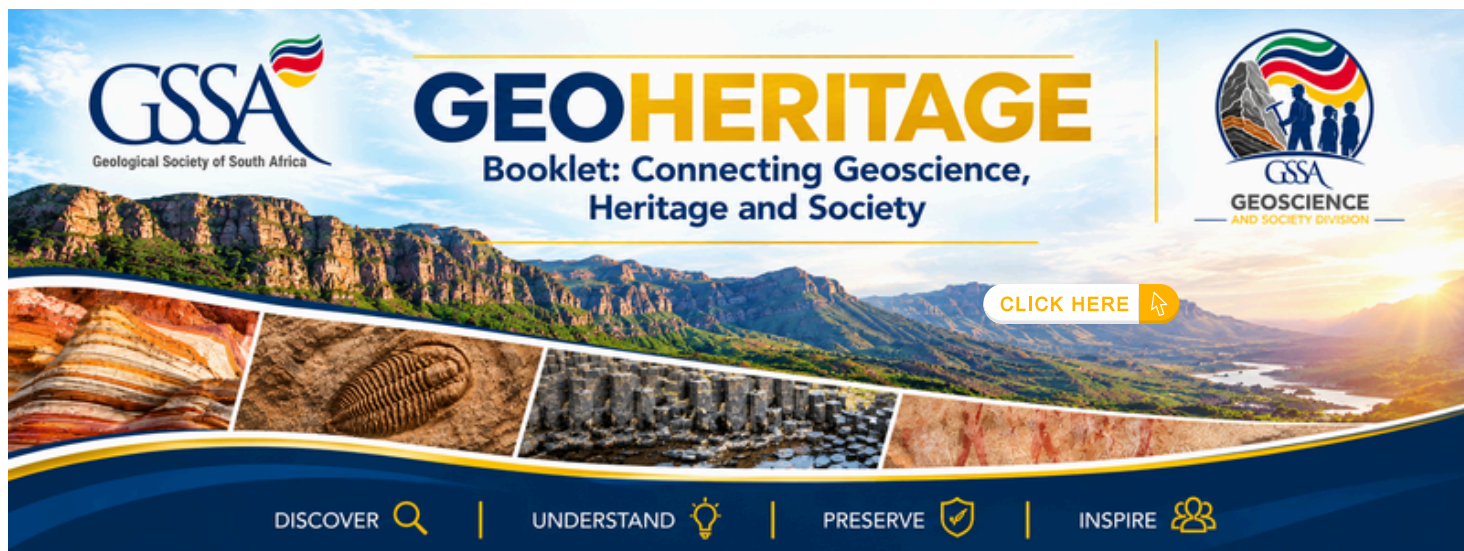


New titles will be added periodically, so **check back regularly** to see what has been added.



[CLICK HERE](#)





Heritage Month Celebration: 1-30 September 2026

The Geological Society of South Africa (GSSA) joins millions of South Africans in celebrating the 2026 Heritage Month. From the oldest rocks on earth to centuries of geo-mining legacies, South African geodiversity is unmatched. The GSSA has invested in the conservation and promotion of heritage, particularly geological and geo-mining heritage through the Geoscience and Society (Geoheritage) Division. The GSSA is committed to preserve about 3.6 billion years of South African geological heritage. Geological heritage is more than rocks, minerals, and landscapes, but it is our legacy from the past that brings us together today and shapes our future generations. The GSSA is united with South Africans to identify and preserve our countries most significant natural and cultural heritage while empowering the local communities.

To celebrate the 2026 Heritage Month, the GSSA in collaboration with the Council for Geoscience hosted the historic Lichtenburg100 conference, 10-11 September 2026. During Lichtenburg100 conference, Dr Khodani Matshusa (Chair of the Geoscience and Society Division of the GSSA) delivered a keynote address on “Preserving Bakerville’s Geo-Mining Heritage” while Dr Tania Marshall (Executive Manager of the GSSA) presented on “Some aspects of the geology of the Karst-hosted alluvial diamond deposits of the Ventersdorp District”. The 1926 Lichtenburg diamond rush presents a unique South African story unravelled through historical, socio-cultural, geomorphology, and geological controversies.

Furthermore, the GSSA will be publishing the “GSSA Geoheritage Booklet: Connecting Geoscience, Heritage and Society” as a way to promote geological heritage in South Africa. The aim of the booklet is to enhance geoconservation awareness and promote organisations to achieve collaborative geoheritage efforts in South Africa.

The GSSA Geoheritage Booklet will profile activities and projects from about 24 organisations in South Africa highlighting geoscience public awareness, conducting geoheritage inventory, promoting geoconservation, geo-mining heritage, geoparks, world heritage sites, hydrogeoheritage, geotrails and geotours, virtual geological field trips, geo-education, geoheritage data and information management, palaeontological research, exhibition, world-class museums and outreach, academic and voluntary groups communicating geological history and principles to the general public.

To continue celebrating the 2026 Heritage Month and as part of 2026 Geodiversity Day, the Geoscience and Society Division of the GSSA will be hosting the “First IUCN Key Geoheritage Areas (KGAs) Workshop in Africa” on 13 October 2026.

As we celebrate the 2026 Heritage Month, the GSSA is making a call to action for investments to preserve and promote our geological and geo-mining heritage for the benefit of the South African communities. By doing so, we are taking South African Geodiversity to Your Doorstep.

Dr Khodani Matshusa

Chair of the Geoscience and Society Division of the GSSA



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Click here for more information > | 30 June - 2 July 2027 | Cutty Sark Hotel, Scottburgh, KZN | <https://geocongress2027.co.za>



Lichtenburg100 Centenary Conference **Supporting the next Generation of Geoscientists** **Ishta Maharaj**

On the 11th and 12th of September, I had the privilege of attending the Lichtenburg100 Centenary Conference, organised by the Geological Society of South Africa (GSSA) and hosted at the Council for Geoscience building in Pretoria. The conference brought together researchers, industry professionals and emerging geoscientists to celebrate a century since the discovery of the Lichtenburg diamonds, whilst highlighting the ongoing work on the Lichtenburg Diamond Fields and other diamond deposits across southern Africa.

I was incredibly grateful to be sponsored by the GSSA to attend the conference, where I had the opportunity to present my MSc research on alluvial diamond trap sites offshore Hottentot's Bay, southern Namibia. Presenting my work to an audience of research and industry experts provided an opportunity to receive valuable and insightful feedback, which will undoubtedly contribute toward strengthening and refining the quality of my research.



The conference was followed by a two-day field trip to the Lichtenburg Diamond Fields, where we were introduced to several diamond runs and potholes that have been mined throughout the area. One of the highlights was visiting the original site of the Lichtenburg diamond discovery, where we had the honour of meeting Daan Pienaar. Hearing his stories and experiences of living in the area provided a personal perspective on the history of the Lichtenburg Diamond Fields and the diamond rush that transformed the region. Beyond the technical knowledge gained throughout this experience, this event gave me a deeper appreciation for the geoheritage of South Africa, the remarkable extent of the Lichtenburg Diamond Rush, and the ongoing research attempting to unravel the mystery of the Lichtenburg Diamond Fields.

I also got to collect a few cool rocks along the way!

I am extremely grateful to the GSSA for the opportunity to showcase my research and to engage with such an inspiring community of scientists. I am equally grateful to the DSTI-NRF CIMERA for funding my MSc research and supporting my participation in opportunities such as this. A huge thank you to my supervisors, Dr. Lauren Hoyer and Prof. Andrew Green, for guiding me throughout my project and to Mike de Wit for organising such an enjoyable event!



Photo taken at Pienaars Pothole





AT VALTERRA PLATINUM, WE BELIEVE THAT THE FUTURE OF MINING IS DRIVEN BY INNOVATION, TECHNOLOGY, AND MOST IMPORTANTLY, THE TALENT OF OUR PEOPLE.

The 2026 Khanyisa Symposium held on 13 August 2026 under the theme Illuminating Tomorrow, celebrated the next generation of professionals who are addressing real business challenges, developing practical solutions, and helping to shape the future of our company and industry. It was also an opportunity to recognise and celebrate academic excellence of our learners, bursars and graduates, whose dedication and achievements inspire us all.

Together, we are developing future leaders and building a stronger tomorrow for our business, our industry, and the communities we serve.



Valterra Platinum Khanyisa Symposium

Shriv Rangasamy

Summary of the Presentation, Key Learnings and Insights

What my presentation was about

My presentation was titled **“An investigation into the Root Cause and Impact of Drill and Blast Damage at Mogalakwena Mine”**, which focused on the drill-and-blast compliance to the mine design at Mogalakwena. It is a business goal to achieve a blast compliance of > 80% with implications that can extend throughout the mining cycle. Drill-and-blast is presented as a foundation of the mining cycle and improvements in the blasting compliance can improve safety, scheduling, productivity and ultimately the profitability of the business.



My investigation focused particularly on crest losses and toe gains on highwalls caused by deviations from the planned mine design after drill and blast activities. These deviations can result in reworking of the highwall, additional blasting, equipment requirements, schedule delays, higher operating costs and reduced business value.

My presentation revealed key insights and improvement strategies into further increasing the compliance percentage and identified the root causes of the deviations. Some include, but are not limited to, geological structures, drill and blast execution and the influence of groundwater. I also highlighted the benefits of good compliance which can result in optimization of the overall mined slope angle, leading to increased ore recovery and increased profitability over the life of a mine..

What was gained from the symposium

The Khanyisa Symposium provides Valtterra Platinum graduates with a platform to present Business Improvement Projects and ideas addressing real business challenges. It is intended to connect technical and academic learning with practical operational improvement and business value. The symposium therefore goes beyond simply presenting a technical project. Graduates are expected to explain the problem, understand its causes, support their conclusions with evidence, develop a practical solution and show how the solution can benefit the business.

This approach reflects the broader learning from Khanyisa: technical expertise becomes more valuable when it is combined with problem-solving, practical implementation and an understanding of the business impact. Khanyisa demonstrated that the future of mining depends not only on technical expertise, but also on the ability to take a real operational problem, understand it from multiple perspectives, develop a practical solution and translate that solution into measurable business value.

Exposure to different disciplines - Graduates and attendees could see how people from different technical and business areas approach problems. This reinforces the importance of looking beyond one's own discipline.

Connecting technical work to business values - A technically correct answer is not enough. The important question is what the problem or proposed solution means for safety, production, cost, schedule, risk and overall value that is contributed to the business.

Collaboration - Mining problems are interconnected. Effective solutions often require input from several departments rather than being solved in isolation.

https://www.instagram.com/valterra_platinum/reel/DcOnmWPE53F/



The Makeup of the SSC (Representatives of the International Umbrella Bodies)

CRIRSCO, IMVAL and PRMS are the three key international committees that shape global standards for mineral reporting, mineral asset valuation and petroleum resource classification. Together, they ensure consistency, transparency and comparability across mining and energy sectors worldwide. South Africa's SAMCODES representatives participate directly or indirectly in each committee, contributing technical expertise while ensuring that national codes remain aligned with evolving global best practice.

CRIRSCO

The Committee for Mineral Reserves International Reporting Standards (CRIRSCO) is the global body responsible for establishing and maintaining internationally aligned definitions and minimum standards for the public reporting of Exploration Results, Mineral Resources, and Mineral Reserves. While its origins trace back to 1994, CRIRSCO formally emerged in 2002 as the international coordinating body for mineral reporting standards, and today comprises 16 National Reporting Organisations (NROs), including South Africa. Its core output is the CRIRSCO International Reporting Template, updated most recently in 2019, which provides a globally harmonised framework ensuring equivalence between national reporting codes such as JORC, CIM, SAMREC, and others. CRIRSCO also maintains strategic engagement with the United Nations Economic and Social Council's Expert Group on Resource Classification (EGRC), contributing to the development of UNFC systems for solid minerals and fossil energy. Through these engagements, CRIRSCO ensures that mineral reporting remains consistent, transparent, and aligned with global expectations for investor protection, regulatory compliance, and technical integrity.

SAMCODES representation on CRIRSCO is profoundly beneficial for South Africa. As the custodian of the SAMREC Code, South Africa participates as a full NRO, giving it direct influence over global reporting definitions and ensuring that its national codes remain aligned with international best practice. This alignment is essential for South African mining companies operating globally, as it ensures equivalence between SAMREC and other major codes. Furthermore, participation ensures early awareness of emerging global trends, enabling SAMCODES to update its frameworks proactively.

IMVAL

The International Mineral Valuation Committee (IMVAL) is the global body responsible for harmonising mineral asset valuation (MAV) standards across jurisdictions. Formed in 2012, IMVAL emerged from the recognition that while mineral reporting codes had been successfully aligned through CRIRSCO, valuation codes still exhibited inconsistencies in definitions, principles, scope, and application. These inconsistencies created challenges for cross-border transactions, investor interpretation, and regulatory compliance. IMVAL's mandate is therefore to develop and maintain a globally acceptable valuation template that harmonises national valuation codes. The IMVAL Template provides common definitions, valuation approaches, competence requirements, and minimum standards for public reporting of mineral asset valuations.

It also establishes a framework flexible enough to evolve over time, including potential future extensions to corporate valuations, securities valuations, and oil and gas asset valuations. IMVAL's membership comprises Mineral Valuation Organisations, including CIMVAL, the International Institute of Minerals Appraisers (IIMA), the Mining & Metallurgical Society of America (MMSA), and the SAMVAL Committee under the SAMCODES umbrella. Through this structure, IMVAL fosters global consistency, transparency, and comparability in mineral valuations, supporting fair market practices and investor protection.

SAMCODES representation on IMVAL is strategically important for South Africa. As the developer of the SAMVAL Code, South Africa contributes directly to shaping global valuation standards, ensuring that its national valuation framework remains aligned with international expectations. This alignment enhances the credibility of South African mineral valuations in global markets, particularly for cross-border mergers, acquisitions, and financing transactions. Participation ensures that SAMVAL remains current with evolving global valuation methodologies. It also strengthens the professional standing of South African Competent Valuers, whose qualifications and competencies become internationally recognised through alignment with IMVAL principles.

PRMS

The Petroleum Resources Management System (PRMS) is the globally recognised standard for classifying, estimating, and reporting petroleum reserves and resources. Developed collaboratively by the Society of Petroleum Engineers (SPE), the World Petroleum Council (WPC), the American Association of Petroleum Geologists (AAPG), and the Society of Petroleum Evaluation Engineers (SPEE), PRMS provides a comprehensive framework for evaluating oil and gas assets. Its purpose is to ensure consistency, transparency, and comparability in petroleum resource reporting across jurisdictions, supporting investor confidence and regulatory compliance. PRMS also interfaces with the United Nations Framework Classification (UNFC), promoting alignment between solid mineral and fossil energy reporting systems. This cross-sector alignment is essential for countries with both mining and petroleum industries, enabling integrated resource governance and consistent reporting across energy and mineral sectors.

SAMCODES representation in PRMS-related international forums—primarily through the SAMOG Committee—provides significant benefits. For South Africa, the value of engagement with PRMS is practical. The SAMOG Committee has aligned the SAMOG Code more closely with PRMS, helping South African petroleum reporting remain understandable internationally. SAMOG members who participate in the relevant professional societies can follow developments, contribute their experience and bring emerging guidance back to the Committee.



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Ompa Ndou
Nonkululeko Maselwa
Tshireletso Chakalane
Pretty Luvuno
Tshegofatso Tlhone

Siphokazi Tyhuku
Nhlalala Mashele
Siyabonga Moloji
Kgomotso Lekalakala
Sinalo imanga
Matlala Mapokane
Lerato Ntsasa
Panashe Sithole
Yamkela Lupindo
Wandisile Masukela
Thobelani Ndlovu
Kaydee Jantjies
Bophelo Matlapeng
Tsebo Lamula



When you need to be sure

SGS Services for the Mining Industry

SGS is one of the world's leading testing, inspection, verification and certification companies, with a well-established presence in South Africa since 1949. The company has played a significant role in supporting the country's mining industry for more than six decades by providing independent technical services that span the entire mining value chain. With strategically located laboratories and offices throughout South Africa, SGS supports mining operations from grassroots exploration through mine development, production, processing, logistics and mine closure.

A core strength of SGS South Africa lies in its geochemistry services. The company operates advanced commercial, mobile and on-site laboratories capable of analysing a broad range of geological materials containing precious metals, base metals, platinum group metals, battery minerals and bulk commodities. These laboratories provide accurate and timely analytical results that enable mining companies to make informed exploration, resource evaluation and operational decisions. SGS also offers mobile sample preparation units and field analytical services that reduce turnaround times while maintaining internationally recognised quality standards.

Metallurgical testing and mineralogy form another important component of SGS's mining services. Through state-of-the-art laboratories and experienced metallurgists, mineralogists and process engineers, SGS conducts comprehensive metallurgical test work, including comminution, flotation, hydrometallurgy, beneficiation and pilot plant testing.

These services support preliminary economic assessments, pre-feasibility studies, feasibility studies and process optimisation, helping mining companies maximise mineral recovery, improve operational efficiency and reduce technical risk throughout the life of a project.

SGS is also recognised for its specialised on-site laboratory solutions. The company designs, constructs, commissions and manages fully operational mine-site laboratories that deliver rapid analytical results directly at mining operations. These laboratories are tailored to the specific mineral deposit and operational requirements of each client, allowing for faster process control, improved plant performance and reduced sample transportation costs. SGS manages all aspects of laboratory operations, including staffing, equipment maintenance, quality management systems, consumables procurement and continuous method validation, enabling mining companies to focus on their core business activities.

Beyond laboratory services, SGS provides a comprehensive portfolio of geology, mining engineering and consulting solutions. These include resource estimation, geological modelling, geometallurgy, process optimisation, engineering design, project management, commissioning support and advanced process control. By integrating geological, metallurgical and engineering expertise, SGS assists mining companies in developing efficient, sustainable and economically viable mining operations.

SGS also supports commodity trading and supply chain assurance through independent sampling, inspection, assaying and mineral and metal testing services. These services verify the quality and quantity of mineral products, ensuring confidence in commercial transactions while helping clients comply with international standards and contractual obligations. The company's testing capabilities cover a wide range of commodities, including gold, platinum group metals, iron ore, coal, copper, lithium and other critical minerals.

Sustainability, quality and regulatory compliance are integral to SGS's approach. The company assists mining clients with environmental monitoring, quality assurance, health and safety compliance, ESG initiatives and mine closure planning. SGS laboratories operate under internationally recognised quality management systems, including ISO/IEC 17025 methodologies, ensuring reliable and reproducible analytical results. Combined with its global technical expertise and strong local presence, SGS South Africa remains a trusted partner for mining companies seeking to optimise operational performance, reduce project risk and improve decision-making across the entire mining lifecycle.

Contact Us

[Send us a message](#)

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Torque Africa Group is a leading drilling and exploration services company delivering specialized solutions across mining, mineral, water, geotechnical, and gas exploration sectors. The company is recognized for its technical capability, strong operational systems, and commitment to safety and performance across diverse African terrains.

It offers a wide range of drilling services including Reverse Circulation (RC), Diamond Core drilling, Aircore drilling, Rotary drilling, Water Borehole drilling, and Oil & Gas Exploration drilling . These services are supported by modern equipment, experienced crews.

Torque Africa Group is the only successful onshore gas exploration drilling company in South Africa, The company has developed the expertise to support gas-related projects, including exploration wells, core sampling, and data-driven drilling programs designed to assist various clients. The company also holds notable performance records within the African drilling industry, achieved through consistent delivery on complex and high-demand projects. These records reflect Torque Africa's ability to complete challenging deep drilling operations, maintain high penetration rates.

With extensive experience across Southern Africa, the company supports clients in mining, energy, infrastructure, and exploration industries. Its workforce combines technical expertise with field experience, enabling reliable performance in remote and logistically challenging regions.



Innovation and continuous improvement are key strategic priorities. Torque Africa Group invests in advanced drilling technology, equipment upgrades, and skills development to enhance productivity, reduce downtime, and improve project outcomes for clients across Africa.

As demand for energy resources increases across the continent, Torque Africa Group has expanded its capabilities in gas exploration drilling and associated services. The company is continuously investing in specialized equipment.

Torque Africa Group remains committed to safety innovation and client satisfaction across all projects ensuring sustainable growth delivering value driven solutions and maintaining its position as a leading African drilling contractor trusted for excellence reliability and record breaking performance in both mining and gas exploration sectors

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