



AMGC Director General's Message



During the month of June 2026, AMGC welcomed Tanzania's Minister for Minerals, Hon. Anthony P. Mavunde (MP). AMGC welcomed Mr. Alcides B. Manjate from Kulane Investments, LDA, Mozambique, for an official familiarization visit to explore the comprehensive range of specialized services offered by the

Centre. AMGC welcomed two young learners from the Sudanese community in Dar es Salaam Tanzania for a paid half-day pottery session at the Industrial Minerals Application Department's ceramics unit. AMGC provided a two-week paid on-the-job training programme on "*Petrographic Analytical Techniques*" for one professional from Kenya's State Department for Mining under the Ministry of Mining, Blue Economy and Maritime Affairs of the Republic of Kenya. AMGC received a gold ore sample from God Mwanga Gems Ltd. Director General of AMGC, paid a courtesy visit to the Embassy of Angola in Dar es Salaam, Tanzania. AMGC conducted a two-week paid on-the-job training programme for five professionals from Ariab Mining Company, Sudan. Two were trained in *open Pit mining production methods and safety*, while three are trained in *mineral exploration and reserve estimation using Leapfrog Geo 3D geological modelling software*. The Director General of AMGC paid a courtesy visit to H.E. Catherine Kirumba Karemu at the Kenya High Commission in Dar es Salaam Tanzania. AMGC extended greetings on Mozambique Independence Day and Kenya Madaraka Day.

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On 3rd June 2026, the African Minerals and Geosciences Centre (AMGC) was pleased to welcome Mr. Alcides B. Manjate from Kulane Investments, LDA, Mozambique, for an official familiarization visit to explore the comprehensive range of specialized services offered by the Centre.

We are excited to announce that Mr. Manjate, along with two other professionals from his company, will be joining us for an intensive, 12-week Phase 1 Technical Training program running from July through September 2026. The continuous, on-demand training curriculum, tailored for Mozambican Professionals, will cover:

- **Month 1 (Exploration, Geophysics & Drilling Logistics):** Focused on QGIS applications for Mozambique (EPSG: 3036), satellite imagery processing, target mapping, field structural geology, compass mapping, geochemical soil grids, field geophysics, and diamond core vs. RC drilling logistics.
- **Month 2 (Small-Scale Processing, Heavy Plant Engineering & Blasting):** Focused on Vat Leaching, CIL/CIP pad design, reagent titration, Tailings Storage Facilities (TSF) engineering, cyanide chemical destruction, plant dimensioning, crusher plate maintenance, and production blast-hole patterns.
- **Month 3 (Clean Extraction, Fire Assay & Lab Engineering):** Focused on sample preparation to control the "gold nugget effect", gravity concentration pilot plant operation, CIP carbon adsorption, a Fire Assay Masterclass, and laboratory layout blueprint engineering.

Through this intensive attachment, the participants will gain practical knowledge and hands-on competency in utilizing advanced technical workflows to meet both academic and industrial requirements. This international collaboration with private sector partners demonstrates AMGC's ongoing commitment to strengthening human resource development, technical expertise, and capacity building within the mineral and geosciences sectors across the continent.







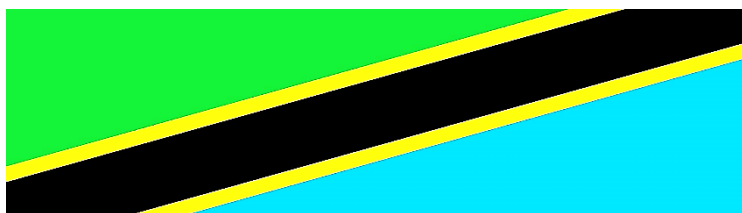
Clay Day – Building Hands, Hearts, and Horizons.

On 8 June 2026, the African Minerals and Geosciences Centre (AMGC) welcomed two young learners from the Sudanese community in Dar es Salaam Tanzania for a paid half-day pottery session at the Industrial Minerals Application Department's ceramics unit (IMAD).

They did not just shape clay; they explored value addition through art, built practical skills, and connected cultures through creativity. Every touch of clay became a lesson in patience, resilience, and community empowerment.

This is more than pottery. It is popularization of Geosciences; it is heritage shared, skills multiplied, and futures shaped.





Familiarization Visit by the Hon. Minister for Minerals of Tanzania to the African Minerals and Geosciences Centre (AMGC)

On 19th June 2026, Hon. Anthony P. Mavunde (MP), Minister for Minerals of the United Republic of Tanzania, paid a formal familiarization visit to the African Minerals and Geosciences Centre (AMGC) to gain a deeper understanding of the Centre's activities and its role in providing mineral-related services to its Member States. The visit aimed also to strengthen collaboration between the Ministry of Minerals and AMGC and to explore opportunities for enhancing the Centre's contribution to the sustainable development of the mineral sector across Africa.

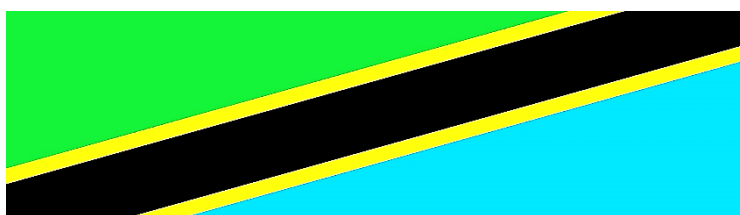
The Hon. Minister accompanied by a delegation from the Ministry of Minerals comprising:

- Dr. Abdulrahman Mwanga, Commissioner for Minerals;
- Mr. Thomas Ngole, Assistant Commissioner for Minerals and AMGC Board Member representing the host country, Tanzania;
- Mr. Masanja Gabone, Resident Mining Officer (RMO) for Dar es Salaam; and
- Ms. Veronica Mwikwabi, Senior Geologist.

The Director General of AMGC, Mr. Ibrahim Shaddad, warmly welcomed the Hon. Minister and his delegation and expressed his appreciation for the visit. During a briefing on the Centre's activities, Mr. Shaddad highlighted AMGC's achievements, ongoing programs, and the challenges facing the institution.

He encouraged the Ministry to maximize the benefits of the Centre's services, including training, laboratory analysis, and consultancy. He also reaffirmed AMGC's commitment to supporting





capacity building through free training opportunities for undergraduate students and internship program for fresh graduates from high academic institutes of Member States, including Tanzania, the host country of the Centre.

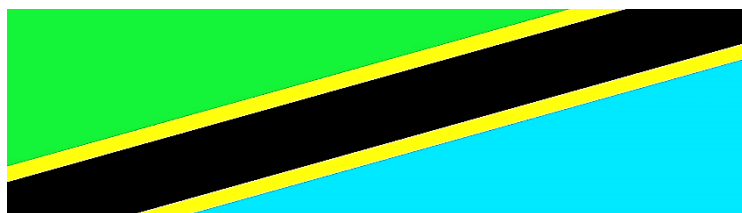
Following the briefing, the Director General escorted the Hon. Minister and his delegation on a tour of the Centre's facilities, particularly its technical departments, where managers provided detailed briefings on the available infrastructure, equipment, and services. The Hon. Minister commended the Centre for its conducive working environment and the professionalism demonstrated by its staff.

The visit concluded with a meeting session between the Hon. Minister and all AMGC contracted staff at the Africa Mining Vision Hall. In his address, Hon. Mavunde expressed his appreciation for the innovative ideas and strategic insights shared by the Centre and pledged to return for further discussions with AMGC staff.

The Hon. Minister reiterated his Ministry's commitment to transforming Tanzania into a modern mineral testing hub through the establishment of world-class laboratory facilities. He noted that one of the key strategies for achieving this goal is to strengthen collaboration with fellow Ministers responsible for minerals in AMGC Member States and to enhance the utilization of the Centre's existing infrastructure and expertise.

He further highlighted the Ministry's "Mining for a Brighter Tomorrow" initiative, which seeks to empower women, youth, and persons with disabilities through participation in the mining sector. In this regard, he recognized AMGC as an ideal partner for supporting the initiative through the specialized skills and technologies available within its Industrial Minerals Application





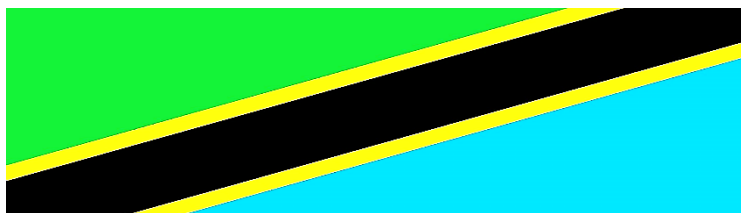
Department, particularly in pottery and simple ceramic technology. The Hon. Minister also emphasized the importance of Tanzania's Local Beneficiation Policy, which promotes value addition to the country's mineral resources. He praised AMGC's capabilities in mineral value addition, particularly through the Mineralogy, Petrology and Gemology Department, and expressed the Ministry's readiness to collaborate closely with the Centre in advancing this policy for the benefit of Tanzanians and the wider region.

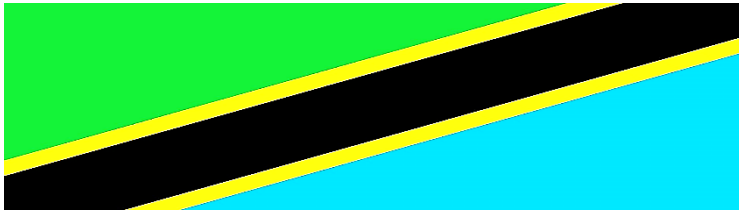
As Minister for Minerals of the host country, he further pledged to engage his counterparts from AMGC Member States in developing joint strategies aimed at strengthening the Centre and enhancing its effectiveness in serving the continent's mineral development agenda.

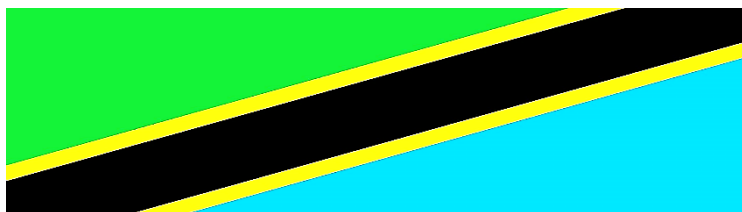
In his concluding remarks, the Hon. Minister indicated that he would engage with the H.E. the Chairperson of the AMGC Governing Council at present under Kenya, to promote concentrated efforts towards the Centre's growth and sustainability. He emphasized that his inaugural visit means a lot and will witness significant changes and progress would be achieved in a very short period.

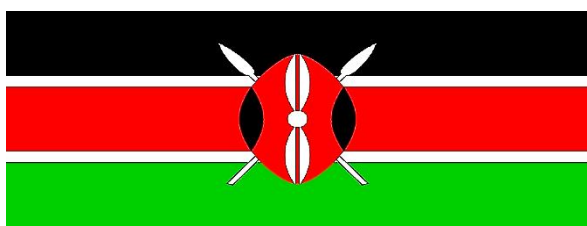
The visit underscored the shared commitment of the Ministry of Minerals of Tanzania and AMGC to advancing mineral development, value addition, capacity building, and regional and continental cooperation for the benefit of Africa's mineral sector. His much appreciated familiarization visit marked the beginning of a stronger partnership and he assured AMGC and its leadership of his full support and commitment.











Ministry of Mining, Blue Economy and Maritime Affairs



On 22nd June 2026, the African Minerals and Geosciences Centre (AMGC), an ISO 9001:2015-certified Continental Centre of Excellence, welcomed Mr. Otieno Jagongo from the State Department for Mining, Kenya, under the Ministry of Mining, Blue Economy and Maritime Affairs of the Republic of Kenya.

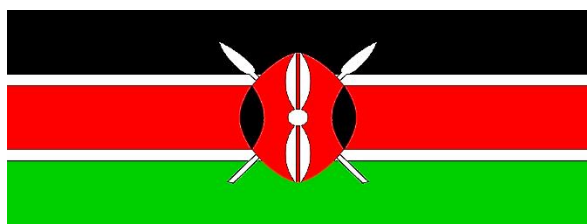
Mr. Jagongo is participating in a two-week specialized hands-on and on-the-job practical training programme on “*Petrographic Analytical Techniques*”, scheduled from 22 June to 03 July 2026.

The training programme is designed to provide the participant with an in-depth understanding of his technical discipline through advanced geological laboratory procedures and practical application. The programme will equip him with hands-on experience in sample preparation, petrographic and analytical techniques, laboratory procedures, and other essential competencies aligned with AMGC’s mandate as an ISO 9001:2015-certified Continental Centre of Excellence in mineral services.

Through such capacity-building initiatives, AMGC continues to promote professional development, technical knowledge transfer, and institutional strengthening among experts from its Member States. This initiative reflects the Centre’s enduring commitment to advancing human resource development and enhancing technical expertise across Africa’s mineral and geosciences sectors.

AMGC remains dedicated to strengthening regional and continental cooperation and supporting the





REPUBLIC OF KENYA
Ministry of Mining, Blue Economy and
Maritime Affairs



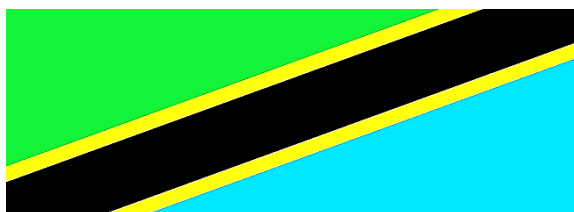
sustainable development of the continent's mineral resources sector through high-quality training, consultancy, and specialized technical services.

Kenya is one of the nine Member States of AMGC, and the Centre wishes to express its sincere appreciation and gratitude to the Government of Kenya for consistently fulfilling its financial commitments to the Centre in a timely manner. AMGC also encourages the State Department for Mining, Kenya, to continue maximizing the benefits of the Centre's services in the mineral sector, particularly in capacity-building, laboratory training, and sample analysis.

It is worth noting that Kenya joined the Centre in July 2006, becoming its seventh Member State. Since then, Kenya has played an active role in supporting AMGC's governance and development, including chairing the AMGC Governing Council and hosting the Centre's Policy Organ Meetings on three occasions—in May 2011, June 2014, and May 2015.

The upcoming AMGC Policy Organ Meeting will also be hosted by Kenya under the chairmanship of H.E. Hassan Ali Joho, Cabinet Secretary for Mining, Blue Economy and Maritime Affairs of the Republic of Kenya, further reflecting the country's continued commitment to advancing regional and continental cooperation and development in the mineral and geosciences sector.





gmGems
INNOVATE AFRICA



AMGC Receives Gold Ore Sample from God Mwanga Gems Ltd. for Metallurgical Test Work
On 23rd June 2026, the Department of Mineral Processing and Small-Scale Mining at the African Minerals and Geosciences Centre (AMGC) received a gold ore sample from God Mwanga Gems Ltd. for metallurgical testing.

The sample was delivered by a company delegation comprising:

- Eng. Upendo Elias Mmari, Plant Manager
- Mr. Victor Ezekiel Nathan, Technician
- Eng. Christopher Mwinuka, Consultant



Scope of the Test Work

The program will give the team practical insight into:

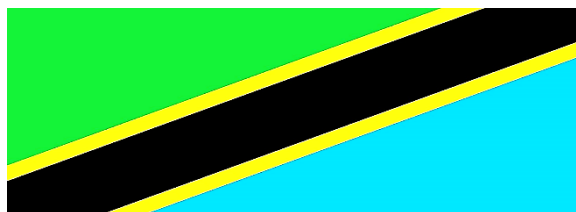
1. Optimum upgrading and concentration techniques for the gold ore
2. Appropriate sizing and selection of mineral processing equipment
3. Efficient flowsheet design

Through this technical collaboration, the delegation will also gain hands-on knowledge of analytical methods, sample preparation, and extraction/recovery procedures, in line with AMGC's mandate as an ISO 9001:2015 Certified Centre of Excellence in mineral services.

Strengthening Capacity Across the Sector

This metallurgical program reflects AMGC's ongoing commitment to capacity building, professional development, and knowledge transfer for private-sector stakeholders across its Member States. It also supports AMGC's broader goal of strengthening technical proficiency and human resource development in Africa's minerals and geosciences sectors.





gmGems
INNOVATE AFRICA



About God Mwanga Gems Ltd.

God Mwanga Gems Ltd. conducts rigorous metallurgical testing on its extracted minerals, with a focus on high-quality flake graphite and quartz. The company operates a modern processing and testing facility at the Kwamsisi Plant, Handeni District, Tanga Region, with a production capacity of up to 1,000 tonnes of graphite concentrate per day.

Metallurgical Capabilities & Standards

- **Graphite Purity:** Processes consistently achieve up to 95% Total Graphitic Carbon (TGC), with >75% of material in large flake categories. These grades are highly sought after for high-end applications such as lithium-ion battery anodes.
- **Testing Equipment:** Multi-stage flotation circuits are designed to preserve flake integrity, supported by on-site advanced laboratories for metallurgical analysis and quality control.
- **Accreditation:** All batches undergo stringent quality control through Geological Survey of Tanzania (GST)-certified laboratories, ensuring compliance with ISO/IEC 17025 standards.



Locations & Contact Information

- **Kwamsisi Graphite Plant:** Handeni District, Tanga Region. Located 57 km from Mkata Ward along the Pangani Road.
- **Mererani Mine:** Simanjiro District, Manyara Region. Located 12 km from Kilimanjaro International Airport.





GOVERNO DE
ANGOLA

Ministry of Mineral Resources and Petroleum



On 22nd June 2026, Mr. Ibrahim Shaddad, Director General of the African Minerals and Geosciences Centre (AMGC), paid a courtesy visit to the Embassy of Angola in Dar es Salaam, Tanzania. During the visit, he met with H.E. Domingos de Almeida da Silva Coelho, the Ambassador Extraordinary and Plenipotentiary of Angola to Tanzania.

On behalf of AMGC and himself, Mr. Shaddad has the honour to acknowledge with thanks and appreciation receipt of Angola's annual contribution to the (AMGC) in advance for the Financial Year 1st July 2026/30th June 2027. He further expressed his much appreciation and gratitude to Angola for being among leading member states of AMGC, consistently and timely fulfilling their financial commitments, contributing significantly to 60% of the Centre's annual operational budget to be paid by member states.

Mr. Shaddad also briefed H.E. Domingos de Almeida da Silva on the Centre's performance, developments, and challenges. In response, H.E. the Ambassador expressed Angola's continued support for AMGC in overcoming its challenges.

Angola has been unreserved supporting the Centre in its financial constraints that the Centre is facing. The outstanding commitments and obligations of the Government of Angola to the Centre enables it to implement its activities to its highest peak. The Centre is indebted to the continued support from Angola and look forward to Angola to utilize and maximize its benefits from the mineral services provided by the Centre.

It is also noteworthy that Angola, one of AMGC's founding member states, has been an unwavering supporter of the Centre since joining on 23 May 1985. Angola has hosted the Centre's Policy Organ Meetings twice (in 2001 and 2009) and has chaired the Governing Council. From 2002 to 2006, Angola was entrusted with the management of the Centre under H.E. Dr. Diamantino Pedro Azevedo, the current Minister for Mineral Resources, Oil, and Gas in Angola. Dr. Azevedo now serves as the Vice Chairman of the AMGC Governing Council.

Additionally, Dr. Luis Antonio, former Advisor to the Minister of Geology and Mines of Angola, chaired the Board of Directors of AMGC from 2006 to 2014. He is currently the Director of the Exchange Office at the Ministry of Mineral Resources, Oil, and Gas of Angola and serves as Angola's representative in the AMGC Standing Committee of Officials. Mr. Canga Xiaquivuila, Director General of the Geological Institute of Angola, currently represents Angola on the AMGC Board of Directors.





On 22nd June 2026, the African Minerals and Geosciences Centre (AMGC) an ISO 9001:2015 certified Continental Centre of Excellence, was delighted to welcome five Sudanese professionals from Ariab Mining Company of Sudan, who are:

- Mr. Ahmed Onour Hamid Ali
- Mr. Nouredin Siddig Adam Abdalla
- Mr. Jamal Hassan Ali Abaker
- Mr. Mohammed Jaffar Mohammed Ahmed
- Mr. Khalid Ali Mohamedtahir Mahgoub

The Sudanese professionals have commenced paid intensive two-week, hands-on technical training programs at the Centre. We are excited about a productive engagement and knowledge exchange during their time at the Centre. Two of the Sudanese professionals are participating on job training on “*Methods of Production and Safety in Open-Pit Mining*” at the Minerals Processing and Small Scale Mining Department of AMGC under the supervision of Eng. January Danstan, the manager of the department.

The other three are participating on job training on “*Mineral Exploration, Reserve Estimation using Leapfrog Geo; a 3D geological modeling software for mineral exploration, and resource estimation*” at the Geo-Information Department of AMGC. This paid advance course is conducted in collaboration with a resource person Mr. Japhet Nasson Fungo, the Assistant Lecturer in GIS and Remote Sensing Geology at the School of Mines and Geosciences (SoMG), Department of Geosciences, University of Dar es Salaam. He has a research interests are in Geology, Geographic Information Systems (GIS), and Remote Sensing (RS) applications in studying the Earth and its resources. He has experience in teaching, training, researching, and consulting on GIS and remote sensing applications in earth studies. Expertise in working with GIS software, geospatial databases, various GIS-related datasets, and remotely sensed data. Skills in data management, GIS mapping and imagery, data analysis, and interpretation of results.





He can make data-driven decisions, integrating several datasets and cartographic skills; He can produce geological maps, topographic maps, base maps, land use and land cover maps, web maps, and hydrological groundwater potential zone maps.

These practical training programs are designed to provide the participants with an in depth understanding of their respective technical disciplines, covering advanced mineral exploration methodologies, reserve estimation techniques, mining operations, occupational safety practices. Through these paid practical training, participants will gain hands-on experience in analytical methods, data interpretation, and other essential competencies aligned with AMGC's mandate as an ISO 9001:2015-certified Centre of Excellence in mineral services.

Among other newly established practical training courses at the Centre, Leapfrog Geo; a 3D Geological Modeling Software for mineral exploration, and resource estimation and GEOVIA Surpac Software training focuses on the complete workflow from data import and validation, geological interpretation, wire framing, and block modelling to resource estimation and reporting. Whether you're new to Leapfrog Geo or/and Surpac or seeking to enhance your geological modelling capabilities, this course equips you with the tools and techniques needed to deliver accurate, efficient, and professional results in exploration and mining. By the end of practical course, participants will be able to:

- Navigate and use Surpac's interface and key geological tools.
- Import, manage, and validate geological and survey data.
- Create and interpret lithological models and wireframes.
- Perform block modelling and resource estimation.
- Apply geostatistical analysis for grade interpolation.
- Generate geological maps, sections, and reports.





The African Minerals and Geosciences Centre (AMGC), an ISO 9001:2015 Certified Continental Centre of Excellence is engaged in providing geosciences-related training to African States and had the notion of supporting the management entities in performing tasks to the highest quality and inspiring the workforce to do their best, which in turn achieves the business goals of their respective entity and organization. By offering these capacity-building programmes, AMGC continues to promote professional development, technical knowledge transfer, and institutional strengthening among experts from its Member States. This initiative underscores the Centre's enduring commitment to advancing human resource development and enhancing technical expertise within the mineral and geosciences sectors across Africa. AMGC remains dedicated to fostering regional collaboration and supporting the sustainable growth of the continent's mineral resources sector through high quality training, research, and technical services.

We use this opportunity to invite all geosciences professional from AMGC member states and African in general to come to AMGC to enhance their practical knowledge and skills in various geosciences software such as GEOVIA Surpac, Leapfrog and others

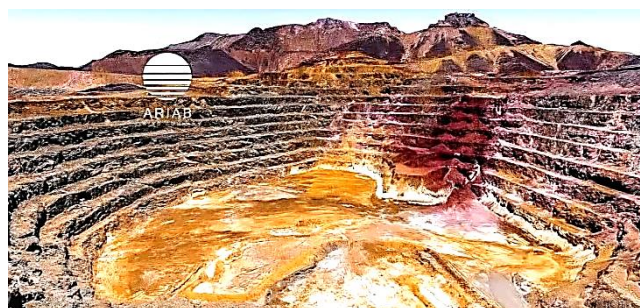
Ariab Mining Company (AMC) is the leading government affiliated mining company in Sudan and it was a multinational private mining company till a few years back whereby its tasks were to explore, exploit, mine, process, and sell of Gold and other associated minerals. Ariab is a region of Sudan, located in the hilly desert of Red Sea Hills, Sudan. The Beja people inhabit it, and the gold mining has historically been crucially important for the desert region since ancient Pharonic times. Wadi Ariab is oriented E-W. Gold mineralization is associated with a zone of massive sulphide mineralization in a marine rhyolite environment.





The gold would have been "undetectable to ancient prospectors" due to its "extremely fine grain" nature. Furthermore, "no traces from ancient mining are known," and the seven (7) current opencast mines discovered with modern geophysical prospecting methods.

It is worth mentioning that the Sudan joined the work force of AMGC in August 2010. The Sudan chaired the AMGC 33rd and 39th Governing Council Meetings hosted in Khartoum in 2013 and 2019 respectively. Sincerely recognizes the outstanding commitments and obligations of the Government of Sudan to the Centre that enable it to implement its activities to its highest peak. The Sudan has been unreserved supporting AMGC in overcoming repeated financial constrain that the Centre is facing. The Sudan is ranking the first member state of AMGC in fulfilling timely its annual subscription as well as utilizing the AMGC's paid capacity building services and in this regard, the Sudan contributes honorably in the 40% annual operational budget to be generated by the Centre. Since Mr. Ibrahim Shaddad, the current Director General of AMGC has been fully on board in July 2015, 529 a total number of 534 paid training opportunities were provided to Sudanese professionals from Geological Research Authority of Sudan (GRAS), Sudanese Mineral Resources Company (SMRC), Ariab Mining Company (AMC) and Sudan's Gold Refinery. The Sudanese professionals have been trained in various practical on-job-training courses at the AMGC premises based in Dar es Salaam, Tanzania and one paid outreach-training course held at the premises of GRAS in Khartoum.





The African Minerals and Geosciences Centre (AMGC), an ISO 9001:2015 certified Continental Centre of Excellence, is conducting a two-week professional training on Mineral Exploration and Reserve Estimation.

Three of five nominated professionals from Ariab Mining Company, Sudan, are participating:

- Mr. Ahmed Onour Hamid Ali
- Mr. Mohammed Jaffar Mohammed Ahmed
- Mr. Khalid Ali Mohamed Tahir Mahgoub

The training is being delivered at the Geo-Information Department of AMGC. It focuses on practical, on-the-job application of Mineral Exploration and Reserve Estimation using Leapfrog Geo, a 3D geological modeling software.

Week 1: GIS and Remote Sensing Applications:

Week 1 was delivered in collaboration with Mr. Japhet Nasson Fungo, Assistant Lecturer in GIS and Remote Sensing Geology at the School of Mines and Geosciences, Department of Geosciences, University of Dar es Salaam.

Mr. Fungo's research interests include Geology, GIS, and Remote Sensing for earth resource studies. He has extensive experience in teaching, training, research, and consultancy. His expertise covers GIS software, geospatial databases, remotely sensed data, data management, GIS mapping, imagery, data analysis, and results

interpretation. He produces a range of geospatial products, including geological maps, topographic maps, base maps, land use and land cover maps, web maps, and hydrological groundwater potential zone maps.

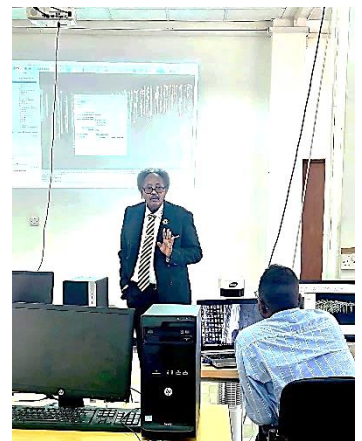
Week 2: Advanced Geotechnical and Resource Modeling:

Week 2 is delivered in collaboration with Mr. Yohana Malaki, Senior Geotechnical Engineer at Pejuni Resources Limited, Geita, Tanzania. The focus is on advanced application of both GEOVIA Surpac and Leapfrog Geo for 3D geological modeling, mineral exploration, and resource estimation.

Mr. Malaki is a results-driven Engineering Geologist and Geotechnical Engineer with over five years' experience. He has supported mineral exploration, mine development, tailings storage facilities, underground excavations, open-pit operations, hydropower construction, and mine closure projects.

Core Expertise:

- Geotechnical investigation planning and supervision
- Engineering geological and structural mapping
- Rock-mass classification: RMR, Q, MRMR, GSI, and SMR





- Slope stability, ground control, and support design
- Diamond and RC drilling, core logging, sampling, and QA/QC
- TSF, waste-dump, box-cut, portal, and shaft investigations
- Geological modeling, grade control, and resource evaluation support
- Numerical modeling for surface and underground excavations
- In-situ testing: SPT, DCP, CPTu, EMASW, and packer testing
- Instrumentation: piezometers, inclinometers, and settlement monitoring
- Laboratory data interpretation: UCS, point load, and triaxial tests
- Field-team leadership, stakeholder coordination, and technical reporting

Software Proficiency:

- Geotechnical and Numerical Modeling: Rocscience Suite, PLAXIS 2D/3D, FLAC2D/3D, 3DEC, GeoStudio SLOPE/W and SEEP/W
- Resource Modeling and Mine Design: Leapfrog Geo and Edge, GEOVIA Surpac, Micromine, Datamine, and AutoCAD
- GIS and Data Visualization: ArcGIS, MapInfo, Surfer, and Strater

These practical training programs are designed to give participants in-depth technical knowledge. The curriculum covers advanced mineral exploration methodologies and reserve estimation techniques.

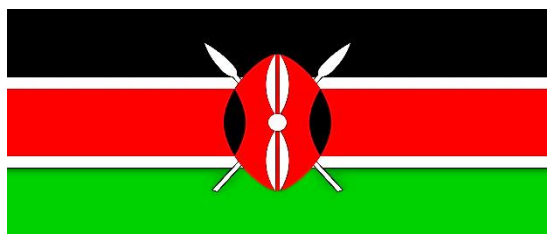
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The Sudan is ranking the first member state of AMGC in fulfilling timely its annual subscription as well as utilizing the AMGC's paid capacity building services and in this regard, the Sudan contributes honorably in the 40% annual operational budget to be generated by the Centre.

Since Mr. Ibrahim Shaddad, the current Director General of AMGC has been fully on board in 2015, a total number of 534 paid training opportunities were provided to Sudanese professionals from Geological Research Authority of Sudan (GRAS), Sudanese Mineral Resources Company (SMRC), Ariab Mining Company (AMC) and Sudan's Gold Refinery. The Sudanese professionals have been trained in various practical on-job-training courses at the AMGC premises based in Dar es Salaam, Tanzania and one paid outreach-training course held at the premises of GRAS in Khartoum





On 25th June 2026, Mr. Ibrahim Shaddad, Director General of the African Minerals and Geosciences Centre (AMGC), paid a courtesy visit to the Kenya High Commission in Dar es Salaam, where he held discussions with H.E. Ambassador Catherine Kirumba Karemu, High Commissioner of the Republic of Kenya to the United Republic of Tanzania. The meeting was facilitated and attended by H.E. Ambassador Domingos de Almeida da Silva Coelho, Ambassador Extraordinary and Plenipotentiary of the Republic of Angola to the United Republic of Tanzania.

The meeting was also attended by

- Mr. Rabson Wanjala Kisuya head of chancery and trade affairs.

It is noteworthy that the Republic of Kenya currently serves as Chair, while the Republic of Angola serves as Vice Chair of the AMGC Governing Council.

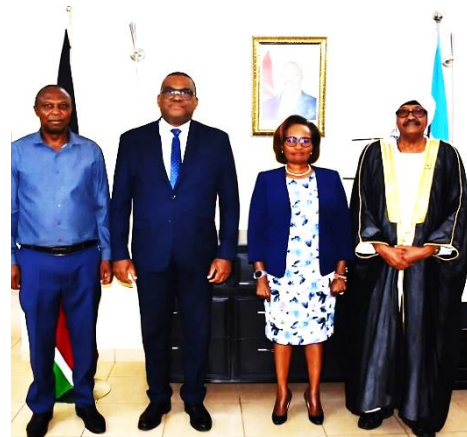
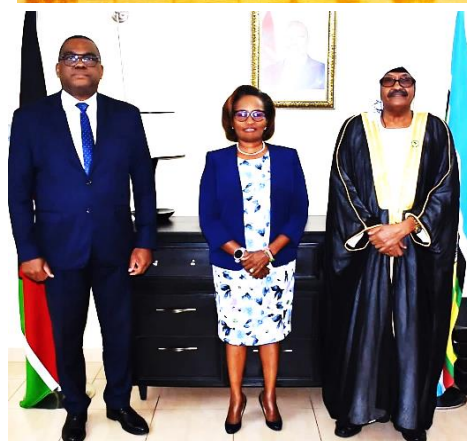
During the meeting, the Director General expressed AMGC's sincere appreciation and gratitude to both Kenya and Angola for their exemplary and steadfast support to the Centre. He commended the two member states for consistently and timely fulfilling their financial obligations, thereby making a substantial contribution toward the 60 % of the Centre's annual operational budget financed by member states.

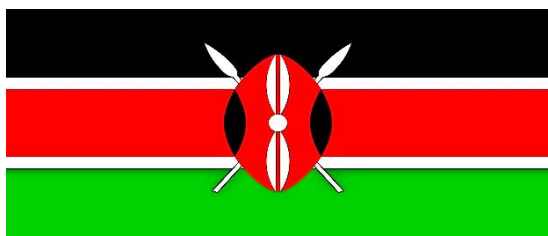
Their continued commitment has played a significant role in enabling AMGC to implement its programmes and activities effectively and at a high standard.

The Director General further briefed the Excellences on the Centre's achievements, ongoing activities, and the challenges currently facing AMGC.

In response, the Excellences Ambassadors of Kenya and Angola reaffirmed their countries' continued support to the Centre and expressed their readiness to contribute toward addressing both internal and external challenges that may affect the Centre's long-term sustainability.

The discussions emphasized the importance of strengthening strategic cooperation and mutually beneficial partnerships to advance AMGC's mission and mandate in serving the

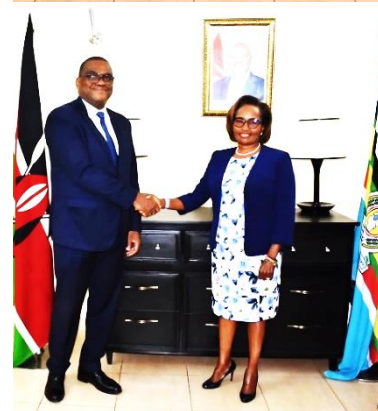
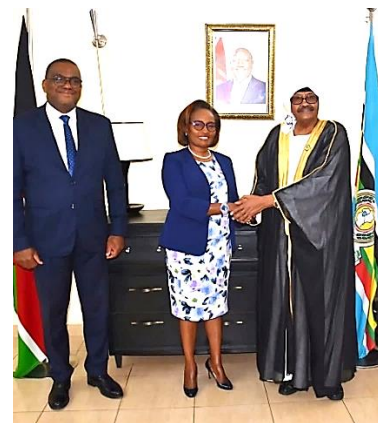




mining sector and the geosciences community across member states and the African continent at large.

Furthermore, the Excellences Ambassadors expressed their intention to mobilize support among Heads of Diplomatic Missions of AMGC Member States accredited to Dar es Salaam, Tanzania in support of the Centre's objectives and sustainability.

H.E. Ambassador Catherine Kirumba Karemu expressed appreciation upon knowing that AMGC is currently hosting a professional from Kenya under a two-week specialized hands-on and on-the-job practical training programme on "*Petrographic Analytical Techniques*," scheduled from 22 June to 03 July 2026. The participant, Mr. Otieno Jagongo, is from the State Department for Mining under the Ministry of Mining, Blue Economy and Maritime Affairs of the Republic of Kenya. In recognition of this cooperation, H.E. Ambassador Catherine Kirumba Karemu will be invited to undertake a familiarization visit to AMGC and to officiate as Guest of Honour during the certificate awarding ceremony for Mr. Otieno Jagongo upon completion of the training programme.



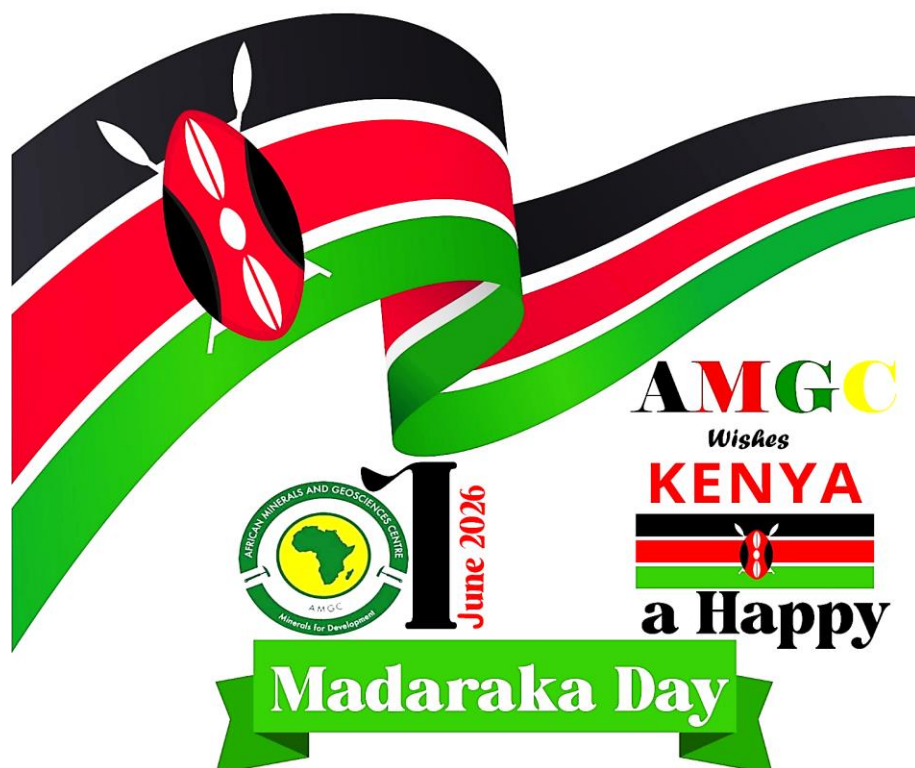
It is worth highlighting that Kenya joined AMGC in July 2006 as its seventh Member State. Since accession, Kenya has demonstrated strong leadership and commitment by chairing the AMGC Governing Council and hosting the Centre's Policy Organs Meetings on three occasions, namely in May 2011, June 2014, and May 2015. The forthcoming Policy Organs Meetings are expected

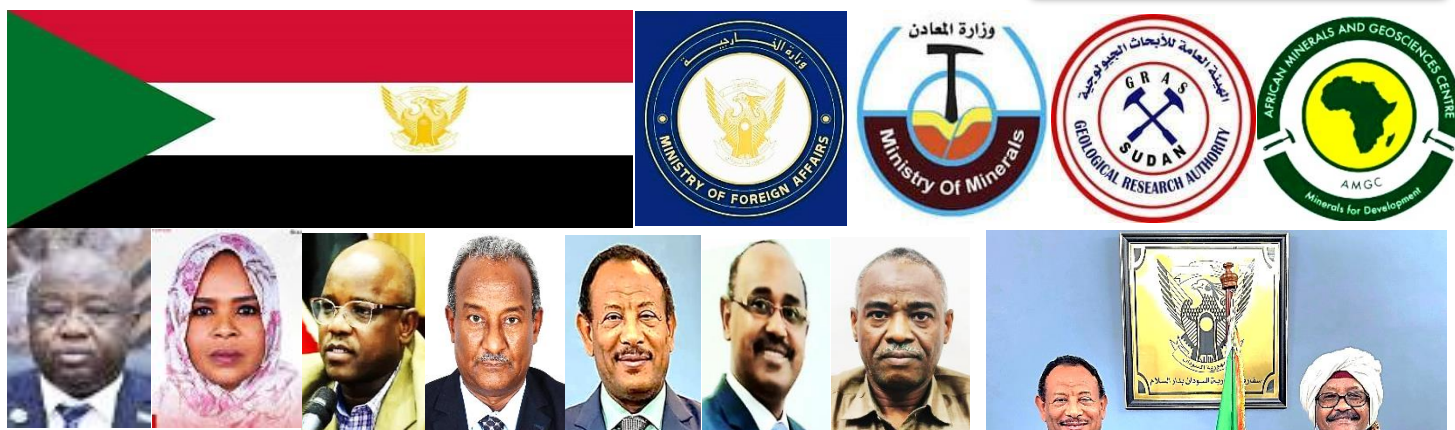


to be hosted once again by Kenya under the chairmanship of H.E. Hassan Ali Joho, Cabinet Secretary for Mining, Blue Economy and Maritime Affairs, in his capacity as Chairman of the AMGC Governing Council.

It is equally noteworthy that Angola, one of the founding Member States of AMGC, has remained a dedicated and unwavering supporter of the Centre since joining on 23 May 1985. Angola has hosted the Centre's Policy Organs Meetings twice, in 2001 and 2009, and has previously chaired the Governing Council. From 2002 to 2006, Angola was entrusted with the management of the Centre under the leadership of H.E. Dr. Diamantino Pedro Azevedo, currently serving as Minister for Mineral Resources, Oil and Gas of the Republic of Angola. Dr. Azevedo now serves as Vice Chairman of the AMGC Governing Council.

The African Minerals and Geosciences Centre (AMGC) extended its congratulations and best wishes to the people and Government of Mozambique on Independence Day, and to the people of Kenya on the occasion of Madaraka Day.



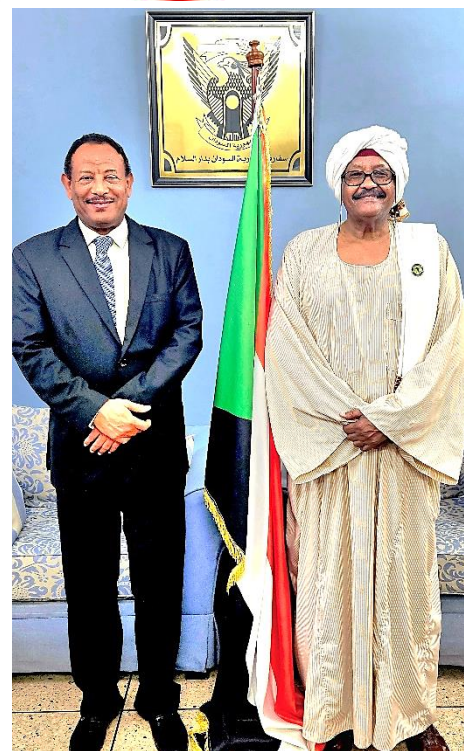


APPRECIATION & GRATITUDE

The African Minerals and Geosciences Centre (AMGC) would like to express its much appreciation and gratitude to the Sudan for being up to date in fulfilling its financial commitments to the Centre until 30 June 2026. Mr. Ibrahim Shaddad, the Director General of AMGC paid a courtesy visit to H.E. Ambassador of Sudan to Tanzania, Dr. Mohamed Abdalla Abdelhameed on 20 November 2025. Mr. Shaddad expressed much appreciation and gratitude for the arrangement, which done to send the annual subscription of Ministry of Minerals on behalf of the Government of the Sudan through the Ministry of Foreign Affairs of Sudan to the Centre. H.E. Dr. Mohamed Abdalla assures the sustainable support of the Sudan to AMGC and expressed his high concern to enhance the existing excellent and fruitful relationship and cooperation that the Sudan and AMGC share for strengthening beneficial partnerships to push for the Centre's mission and mandate in serving the Mining Sector and Geosciences community in the Sudan and African Countries.

It is worth mentioning that the Sudan joined the work force of AMGC in August 2010. The Sudan chaired the AMGC 33rd and 39th Governing Council Meetings hosted in Khartoum in 2013 and 2019 respectively. Sincerely recognizes the outstanding commitments and obligations of the Government of Sudan to the Centre that enable it to implement its activities to its highest peak. The Sudan has been unreserved supporting AMGC in overcoming repeated financial constrain that the Centre is facing. The Sudan is leading in timely fulfilling its annual subscription to the Centre. It is ranking the first member state of AMGC in utilizing the AMGC's paid capacity building services and in this regard, the Sudan contributes honorably in the 40% annual operational budget generated by the Centre. Since Mr. Ibrahim Shaddad, the current Director General of AMGC has been fully on board in July 2015, 534

From Geological Research Authority of Sudan (GRAS), Sudanese Mineral Resources Company (SMRC), Ariab Mining Company (AMC) and Sudan's Gold Refinery. The Sudanese professionals trained in various practical on-job-training courses at the AMGC premises based in Dar es Salaam, Tanzania and one paid outreach-training course held at the premises of GRAS in Khartoum.





APPRECIATION & GRATITUDE

ACKNOWLEDGEMENT, APPRECIATION, AND GRATITUDE TO ANGOLA FOR ADVANCE PAYMENT OF ANNUAL CONTRIBUTION FOR THE FINANCIAL YEAR 1st JULY 2026 – 30th JUNE 2027

We have the honour to acknowledge, with sincere thanks and appreciation, receipt of Angola's annual contribution to the African Minerals and Geosciences Centre (AMGC), paid in advance for the Financial Year 1st July 2026 to 30th June 2027, amounting to US\$ 62,000 (United States Dollars Sixty-Two Thousand only).

The African Minerals and Geosciences Centre (AMGC) wishes to express its profound appreciation and gratitude to the Government of Angola for being among the leading Member States of the Centre and for its consistent and timely fulfilment of financial commitments. Angola's continued support makes a significant contribution toward the 60% of the Centre's annual operational budget financed through Member States' contributions.

Angola has continuously demonstrated unwavering support to the Centre, particularly during periods of financial constraints. The Government of Angola's sustained commitment and fulfilment of its obligations have greatly strengthened the Centre's capacity to effectively implement its programmes and activities and advance its mandate.

The Centre remains deeply appreciative of Angola's continued support and partnership and looks forward to further strengthening this valued cooperation. AMGC urges Angola to continue maximizing the opportunities and benefits derived from the mineral and geoscientific services provided by the Centre.

It is worth mentioning that Angola, as one of the founding Member States of AMGC, has provided steadfast support to the Centre since joining on 23 May 1985. Angola has hosted the Centre's Policy Organ Meetings on more than one occasion, including in 2001 and 2009, and has also served as Chair of the Governing Council.

Furthermore, among the six Directors General who have led the Centre since 1977, Angola had the distinction of managing the Centre from 2002 to 2006 under the leadership of H.E. Dr. Diamantino Pedro Azevedo, currently Minister for Mineral Resources, Petroleum and Gas of Angola. At present, Angola serves as the Vice Chair of the AMGC Governing Council.



APPRECIATION & GRATITUDE

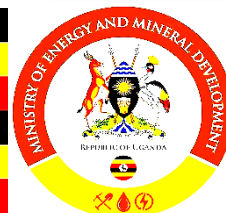
The African Minerals and Geosciences Centre (AMGC) would like to express its much appreciation and gratitude to Kenya for being up to date in fulfilling its financial commitments to the Centre until 30 June 2026. It is worth mentioning that Kenya joined the Centre in July 2006, becoming the 7th member state. Kenya has since chaired the AMGC Governing Council and hosted the Policy Organ Meetings three times in May 2011, June 2014, and May 2015. The upcoming meeting will also be hosted by Kenya, under the chair of H.E. Hassan Ali Joho, the Cabinet Secretary for Mining, Blue Economy, and Maritime Affairs in the Government of Kenya.



APPRECIATION & GRATITUDE

The African Minerals and Geosciences Centre (AMGC) would like to express its sincere appreciation and gratitude to the United Republic of Tanzania, the host country of the Centre, for being up to date in fulfilling its financial commitments to the Centre for the current financial year 2025 –2026.

It is worth mentioning that Tanzania, the host country of the Centre has chaired the Centre Governing Council and hosted the Policy Organ Meetings for twenty-three (23) times since the establishment of the Centre in 1977.



CONGRATULATIONS AND APPRECIATION

On behalf of the African Minerals and Geosciences Centre (AMGC) and on my own behalf, I have the honour to extend sincere congratulations to the following Excellences upon their appointment as Minister for Energy and Mineral Development and State Minister for Mineral Development of the Republic of Uganda:

- Hon. Dr. Musenero Monica Musanza, Minister for Energy and Mineral Development of Uganda;
- Hon. Phiona Nyamutooro, State Minister for Mineral Development of Uganda.

At the same time, I wish to express our sincere appreciation to the following outgoing Excellences for their dedicated leadership, commitment, and valuable guidance rendered during their tenure:

- Hon. Ruth Ssentamu Nankabirwa, former Minister for Energy and Mineral Development of Uganda;
- Hon. Peter Lokeris, former State Minister for Mineral Development of Uganda.

AMGC sincerely looks forward to continued collaboration and support from the Government of Uganda in advancing the Centre's mandate and enabling the successful implementation of its programmes and activities. We further look forward to Uganda's continued timely fulfilment of its financial commitments to the Centre and to maximizing the opportunities and benefits available through AMGC's services, including capacity building, training, laboratory analysis, and other technical services.

Uganda has been an active member of the Centre since January 1980 and has made significant contributions to its growth and development. Among the six Directors General who have served the Centre, the late Mr. James Kagule-Magambo from Uganda served as the second Director General from 1986 to 1994. Furthermore, Uganda chaired the 25th Governing Council Meeting, held in Kampala on 26th May 2005 under the leadership of the then Minister of Energy and Mineral Development, Hon. Mrs. Syda N. M. Bbumba, who served as Chairperson of the Governing Council.

Ibrahim Shaddad
Director General, AMGC





AFRICAN MINERALS AND GEOSCIENCES CENTRE (AMGC)

KUNDUCHI CERAMICS



Elegant Dinnerware
Simple & Sophisticated



Simple & Sophisticated

Safari Teapots
Echoes of the Savanna



Echoes of the Savanna

Wildlife Mugs
Inspired by Nature



Inspired by Nature

Coastal Bowls
Cool & Refreshing



Cool & Refreshing

Stacked Harmony
Layers of Tradition



Layers of Tradition

Safari & Zebra
Bold & Unique



Bold & Unique

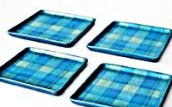
Rustic Sip
Earthy & Timeless



Cultural Sculptures
Art in Clay



Plaid Plates
Patterned Charm



*Choose
Remarkable
Ceramics*

**DECORATE YOUR TABLE WITH
HANDMADE CERAMICS**

The Ceramic Unit (IMAD) of AMGC is dedicated to preserving Africa's rich heritage through value addition and capacity building. Choose Kunduchi Ceramics-crafted from local earth into high-quality, unique pieces for everyday use. Born of soil, fired with artistry, they embody Tanzania's spirit-serving homes, gifting culture, and carrying stories of heritage and hospitality across borders.

SUPPORT LOCAL •
EMPOWER COMMUNITIES •
CELEBRATE HERITAGE

Website: www.seamic.org

Email: seamic@seamic.org

Tel: +255 22 2650 347

Mob: +255 712 166 115 +255 717 641 200

The Industrial Minerals Application Department of the African Minerals and Geoscience Centre (AMGC) based in Dar es Salaam, Tanzania produces ceramic as well as provides training in ceramic simple technology. The photos of some of our products are posting on our website. The quality of handmade items is very good, resisted, and safe to use in microwaves, dishwasher, and ovens. Hotels and diplomatic missions in Tanzania request our products.

Regarding

- Delivery time - The lead-time to delivery is two and half months from the day deposit has been received into our account.
- Terms of payments – Telegraphic transfer and mobile payment are the terms of payment. Minimum order is 1000 pcs.

Here are prices for some of the items produced and delivered in Dar es Salaam, Tanzania. Customers should incur all costs for transport and related customs taxes.

1. Serving dish with cover [flower decorations]	30.00 USD
2. Serving dish with cover [Blue colors]	30.00 USD
3. Teacup/saucer	04.00 USD
4. Mugs	04.00 USD
5. Condiment bowl	03.00 USD
6. Espresso cup/saucer	02.00 USD
7. Fishplate	20.00 USD





New Courses



AMGC

New Courses



The Mineralogy, Petrology and Gemology Department is happy to announce the following new training courses

New training courses

- 1 Gemstone/Mineral Estimation and Valuation
- 2 Jewelry Design
- 3 Gemstone Exploration & Gem Safari's

www.seamic.org

More Info
matokeo@seamic.org



NEW Training Courses

African Minerals and Geosciences Centre (AMGC) is pleased to announce the introduction of four new courses Geostatistics, Petroleum Sciences and Resource Estimation in collaboration with Khartoum based Consulting firm called Knowledge and Training Centre (KTC). The course shall be facilitating by the Director of KTC, Dr. M. Zayed Award, an eminent specialist in the areas of Geostatistics, resource evaluation, stratigraphy, reporting, training and mentoring, risk and decision analysis, petroleum economics, project management. The training course will be organizing in Dar es Salaam at the AMGC training facilities. The following training courses are going to be offered through this collaboration.

1. Fundamental of Petroleum Economics

Duration: One Week

Course fee: US\$ 1,200

This course introduces the participants to requirements for conducting petroleum economics; different stages of the petroleum industry life cycle involving upstream, mid-stream and downstream sectors will be explained. Participants will learn how to construct a Cash Flow Model for oil and gas investment decision. They will also learn how to deal with the different financial components of petroleum cost, and classification of costs into OPEX and CAPEX. Net Cash Flow Stream analysis and computation of economic indicators (Yardsticks) such as NPV, IRR, PBP, MCE and DPI, and their interpretations are essential for petroleum investment decision-making. Cash Flow Adjustment using discount rates is also considered. Types of fiscal regimes will be explained; participant will also learn how to incorporate the fiscal parameters into a cash flow stream.

2. Geostatistical Mineral Resource Estimation

Duration: One Week

Course fee: US\$ 1,700

The course will focus on the fundamentals of Geostatistical application in mining that are required for domain specification that are required for mineral resource estimation and will include hands-on training with Geostatistical software. Geostatistical conditional Simulations may be used to assess the uncertainty associated with the Reserves Evaluation at exploration, feasibility, and production stages. The simulations provide a range of potential reserves for the ore body's Tonnage, Metal Quantity and Recovered Grad



1. Introduction to Oil and Gas Industry

DURATION: One Week

Course fee: US\$ 1,200

This course designed for a wide-ranging of petroleum industry personnel. It designed to provide green-hands technical and non-technical personnel with practical petroleum industry life cycle. The course covers the key phases of the exploration, development and production industry as well as transportation and refining of crudes oils.

2. Geostatistics for Mining - foundation Course

Duration: Two Weeks

Course fee: US\$ 2,000

Geostatistics, in combination with other statistical methods, offers a wide range of mathematical tools that used to analyze, model, provide estimates and assess uncertainties, for different types of spatial phenomena, for example, grades or geological features. The course will focus on the fundamentals of Geostatistics and statistics and will include hands-on training with Geostatistical software.

THE INSTRUCTOR



Dr. M. Zayed Award, the former Sudanese Minister for Oil and Gas (September 2014-May 2017) BSc (Hons) from University of Khartoum, Sudan, MSc (Geol) from Technical University of Berlin (TU), PhD (Stratigraphy) from Technical University of Berlin (TU). Dr. Zayed is a university instructor with postgraduate qualifications in petroleum geology, stratigraphy, economic geology, Geostatistics, and relevant application soft wares. He has more than 35 years' experience in university teaching and more than 25 year's worldwide experience in the petroleum industry and training. He has supervised

MSc and PhD research students and reviewed several reports and research papers. He is the founder of Knowledge & Training Center (KTC) in Sudan, and he is active as a trainer since 2003. He worked on many projects and given training courses to hundreds of attendees on many aspects of geology. Dr. Zayed's skills are in Geostatistics, resource evaluation, stratigraphy, reporting, training and mentoring, risk and decision analysis, petroleum economics, project management. Dr. Zayed was the initiator and editor-in-Chief of the book titled "Petroleum Geology and Resources of the Sudan" published by Geozone (Berlin) in 2015.

AFRICAN MINERALS AND GEOSCIENCES CENTRE (AMGC)



GEO-INFORMATION DEPARTMENT SURPAC TRAINING COURSE DETAILS

CHAPTER ONE: COURSE INTRODUCTION

This course designed to provide geologists with a comprehensive understanding and practical skills in using GEOVIA Surpac, one of the leading 3D modeling and mine planning software tools in the mining industry. Tailored specifically for geological applications, the training focuses on the complete workflow from data import and validation, geological interpretation, wireframing, and block modeling to resource estimation and reporting. Whether you're new to Surpac or seeking to enhance your geological modeling capabilities, this course equips you with the tools and techniques needed to deliver accurate, efficient, and professional results in exploration and mining projects.

LEARNING OBJECTIVES

By the end of this course, participants will be able to:

- Navigate and use Surface's interface and key geological tools.
- Import, manage, and validate geological and survey data.
- Create and interpret lithological models and wireframes.
- Perform block modeling and resource estimation.
- Apply Geostatistical analysis for grade interpolation.
- Generate geological maps, sections, and reports.

LEARNING MATERIALS

- Geological data set (will be provided by trainer or user)
- Software



TARGETED GROUPS

- **Geologists and Geosciences professionals**
- **Mineral exploration Professionals**
- **Mining Companies**
- **Minerals Valuer & Academicians and Researchers.**

CHAPTER TWO: SCHEDULE AND TOPIC COVERED

This is a two weeks training with the ten working day as follows:

Day 1-2: Introduction and Data Management

1. **Introduction to GEOVIA Surpac and its role in geology**
2. **User Interface (UI) navigation and customizing workspace**
3. **Project setup and directory structures**
4. **Importing geological, topographic, and survey data (CSV, DAT, DXF)**
5. **Coordinate systems and datum setup**
6. **Creating and managing string files**
7. **Database creation and validation (drillhole database)**
8. **Exercise: Importing and viewing drillhole data**

Day 3-4: Drillhole Management and Geological Modeling

1. **Drillhole display setup (collars, survey, assay, geology)**
2. **Validating and correcting drillhole errors**
3. **Creating downhole plots and sections**
4. **Coding lithology and alteration from logs**
5. **Compositing assay data**
6. **Geological domaining (numeric and coded)**
7. **Exercise: Geological modeling and drillhole compositing**

Day 5-6: Surface and Solid Modeling

1. **Creating and editing digital terrain models (DTMs)**
2. **Manual digitizing of lithological contacts on sections**
3. **Interpreting cross-sections and string linking**
4. **Creating geological solids (wireframes) from strings**
5. **Validation and cleaning of solids**



6. Exercise: Build a geological model from drillhole data

Day 7-8: Block Modeling and Resource Estimation

1. Creating a block model framework
2. Defining block model attributes
3. Coding blocks using wireframes and lithology
4. Grade estimation methods: IDW, Nearest Neighbor, Kriging
5. Variogram modeling (intro)
6. Estimation runs and validation
7. Exercise: Build and populate a block model with grades

Day 9-10: Reporting, Visualization and Advanced Tools

1. Resource classification and reporting (JORC/SAMREC basics)
2. Section plotting and map generation
3. Volume calculations and resource summaries
4. Pit and surface intersections
5. Exporting data for reports
6. Introduction to macros and batch processing
7. Best practices and quality control in resource modeling
8. Final exercise: End-to-end mini project from data to model to report

For More Details, Contact

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ubarikiwmatokeo@gmail.com
WhatsApp +255 753 008 390
Web www.seamic.org



LIST OF TRAINING COURSES

TRAINING COURSES	DURATION	FEE
Finance and Administration Department (FAD)		
Leadership and Management Skills	2 Weeks	\$1,500
Financial Management Skills	2 Weeks	\$1,500
Executive Secretarial Skills	2 Weeks	\$1,500
Corporate Social Responsibility (CSR)	2 Weeks	\$1,500

Chemical and Environmental Department (CED)		
Spectrometric Methods of Analysis	2 Weeks	\$800
Analytical Techniques for Gold Analysis Using Classical Methods	2 Weeks	\$1,200
Modern Laboratory Management Methods	2 Weeks	\$800
Data Validation, Qa/Qc Procedures and Error Detection	2 Weeks	\$1,500
Fundamentals of Geochemical Data and Laboratory Analytical Techniques	2 Weeks	\$1,500

Quality Management (QM)		
Laboratory Certification and Accreditation	2 Weeks	\$1,500
Quality Control and Quality Assurance in Laboratories	2 Weeks	\$1,500

Mineralogy, Petrology and Gemology Department (MPGD)		
Mineralogical Sample Preparation and Analytical Techniques	2 Weeks	\$1,000
Usage of Benchtop X-ray Diffraction (XRD) for Mineralogical Analysis	2 Weeks	\$1,200
Thin and Polished Section Sample Preparation Techniques	2 Weeks	\$1,000
Petrographic Analytical Techniques	2 Weeks	\$1,000
Gemstone Characterization and Identification Techniques	2 Week	\$800
Gemstone Identification Techniques	2 Week	\$800
Basic Gemmology Skills	2 Week	\$800
Ruby, Sapphire and Emerald Mode of Occurrences and Mining Methods	1 Week	\$400
Ruby, Sapphire and Emerald Identification Techniques	1 Week	\$400
Gemstone Value Addition Techniques	2 Weeks	\$800
Cabochon Cutting and Polishing Techniques	2 Weeks	\$800
Diamond Identification, Grading and Certification	2 Weeks	\$1,500
Advanced Gem Identification Techniques	2 Weeks	\$1,200
Minerals/Gemstones Assessment, Valuation and Certification	2 Weeks	\$1,000
Gemstone Formation, Mode of Occurrences and Mining Methods	2 Weeks	\$800
Gemstones Exploration Techniques	2 Weeks	\$1,500
Gem Safaris	2 Weeks	\$2,000
Basic Jewelry Design Techniques	4 Weeks	\$2,500



Industrial Minerals Application Department (IMAD)

Clay day Session 1	Half day	\$20
Clay day Session 2	Full day	\$40
Pottery for Beginners	2 Weeks	\$800
Mould Making	2 Weeks	\$800
Forming Techniques	2 Weeks	\$800
Decorations in Pottery and Ceramics	2 Weeks	\$800
Bricks and Tiles Manufacturing (Clays)	2 Weeks	\$800
Glaze Formulation	2 Weeks	\$800
Body Composition Formulation	2 Weeks	\$800

Mineral Processing and Small-scale Mining Department (MPSSMD)

Interface and Solution Chemistry	2 Weeks	\$1,000
Simulation and Design of Mineral Processing Plants	2 Weeks	\$1,000
Two Phase Flow Theory in Higher Mineral Processing	2 Weeks	\$1,000
Coal and Graphite Processing Techniques	2 Weeks	\$1,000
Dewatering and Tailing Dam Management	2 Weeks	\$1,000
Mine Closure and Mine Areas Rehabilitation	2 Weeks	\$1,000
Sampling and Sample Preparation: Best Practices for Reliable Laboratory Analysis	2 Weeks	\$1,000
The Gold Cyanidation Process: Principles, Techniques, and Innovations	2 Weeks	\$1,000
Occupational Health and Safety in Mining Operations	2 Weeks	\$1,000
Artisanal and Small-Scale Mining: A Practical Approach	2 Weeks	\$800
Mineral Economics and Strategy	2 Weeks	\$1,000
Metallurgical Balances for Process Efficiency and Optimization	2 Weeks	\$1,000
From Ore to Metal: An Introduction to Extractive Metallurgy	2 Weeks	\$800
Environmental Management in Mining and Climate Action	2 Weeks	\$800
Development Minerals: Unlocking Potential for Sustainable Growth and Infrastructure	2 Weeks	\$1,000
Fundamentals of Mineral Processing: Principles, Techniques, and Modern Innovations	2 Weeks	\$1,000

Geo-Information Department (GID)

GIS and Remote Sensing for Mineral Exploration and Geological Mapping	2 Weeks	\$800
Geospatial Data Analysis and Remote Sensing	2 Weeks	\$1,000
Introduction to web programming for GIS applications	2 Weeks	\$1,000
GeoServer for Web GIS- Publish, Manage & Serve Spatial Data	2 Weeks	\$1,000
Best Practices in Mineral Resource Estimation	2 Week	\$800
Geodatabase Development for Web mapping	2 Weeks	\$800
GIS and Remote Sensing Application for Geohazards	2 Week	\$1,000
GIS and Remote Sensing Application for Mining Environmental Management	2 Week	\$1,000



Integrated Mineral Exploration Techniques	2 Weeks	\$1,000
GIS and Remote Sensing for Hydrological Applications	2 Week	\$1,000
Open-Source GIS & Remote Sensing for Mineral Exploration	2 Weeks	\$1,000
Geochemical Exploration and Mapping	2 Weeks	\$1,200
Structural Geology and Geotectonic in Mineral Exploration	2 Weeks	\$1,200
Fundamental of Petroleum Economics	1 Week	\$1,200
Geostatistical Mineral Resource Estimation	1 Week	\$1,700
Geostatistics for GIS Professionals	1 Week	\$1,000
Sedimentology and Stratigraphy for Oil and Gas Exploration	2 Weeks	\$1,000
Introduction to Oil and Gas Industry	1 Week	\$1,200
Geostatistics for Mining - foundation Course	2 Weeks	\$2,000
Prospect Evaluation: Volumetric and Risk Analysis	2 Weeks	\$2,000
GEOVIA Surpac for Resource Estimation	2 Weeks	\$2,400
LEAPFROG Software for Resource Estimation	2 Weeks	\$2,400
MICROMINE Software for Resource Estimation	2 Weeks	\$2,400

Information Communication Technology Training List

Data Protection & Computer Security	2 Weeks	\$1,000
Network Managements Techniques for Mineral Exploration	2 Weeks	\$1,000
Database Managements Techniques for Mineral Exploration	2 Weeks	\$1,000
VMware Software for Network Security	2 Weeks	\$2,400

To apply contact:

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***Minerals for
Development***

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Petrology, Mineralogy & Gemmology Services

The Mineralogy, Petrology and Gemmology Department utilizes the skills of its staff to address crucial issues in the mineral sector such as lack of technical knowledge on mineral testing and identification, evaluation, grading and value addition techniques.

EXPERTISE

- ✓ Mineralogical and petrological sample preparation and analysis
- ✓ Mineralogical evaluation of industrial minerals, ore minerals and clays
- ✓ Gemstone identification and grading
- ✓ Specialized training in Gemmology, Gemstone Cutting and Polishing and Mineralogical and Petrological Sample preparation and Analytical Techniques.



Petrography and Gemmological Microscopes

ANALYTICAL SERVICES

- ✓ Preparation of standard thin sections and polished sections
- ✓ Rock slabbing and polishing
- ✓ Rock core splitting
- ✓ Petrographic examination of thin sections and polished sections
- ✓ Evaluation of industrial minerals, ore minerals and clays
- ✓ Gemstone testing and identification
- ✓ Diamond grading
- ✓ Consultation and Expert opinion



Polishing Machine for Polished Mount Preparation

TRAINING SERVICES

- ✓ Mineralogical and petrological sample preparation and analytical techniques
- ✓ Gemstone Characterization, Identification and Value Addition
- ✓ Gemstone Identification Techniques
- ✓ Gemstone Value Addition Techniques (Gem Cutting)
- ✓ Gemstone Cabochon making and Carving
- ✓ Gemstone Faceting
- ✓ Gemstone Identification, Value Addition and Trading



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