



## AMGC Director General's Message



During the month of May 2025, the Director General of AMGC paid a courtesy visit to the esteemed office H.E. Mr. Fekadu Beyene Ayana, the Extraordinary & Plenipotentiary Ambassador of the Federal Republic of Ethiopia to the United Republic of Tanzania. AMGC received visitors

from Gold Coins Mining Limited in Kenya, which a subsidiary of Africa Biosystems Limited investing in east Africa. AMGC provided one-week practical on job training course during 12<sup>th</sup> -16<sup>th</sup> on STRATEGIC MANAGEMENT OF MINES AND QUARRIES for the first group of six professionals from Geological Department in the Gambia. AMGC was delighted to receive 35 undergraduate students from the School of Engineering and Environmental Studies at Ardhi University. AMGC, provided one-week practical on job training course during 19<sup>th</sup>-23<sup>rd</sup> on Environmental Management and Climate Action in Mining for the second group of five professionals from Geological Department in The Gambia. AMGC received a high-level delegation from Zanzibar University (ZU) for signing a MoU between the two institutions on analytical and other technical collaborations. AMGC participated in an annual inspection conducted by OSHA in Tanzania.

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On 02<sup>nd</sup> May 2025, The African Minerals and Geosciences Centre (AMGC), an ISO 9001:2015 certified, received visitors from Gold Coins Mining Limited in Kenya, which a subsidiary of Africa Biosystems Limited investing in East Africa. The team was led by Mr. Dinesh Kumar, who is a company Director. Others were Dr. Willem Smith, a professional Geologist and Mr. Abdurrahman Abas, who is operating the company duties from Tanzania.

The visit aimed at familiarizing to the activities of the Centre and discussing how to cooperate with Centre in the analysis of gold from their rock samples.

The Director General of AMGC assured the team of sustainable cooperation. He also requested Dr. Smith to be one of the resources persons for providing capacity building training at the Center. Dr. Smith accepted the request and promised continue cooperating with the Centre.



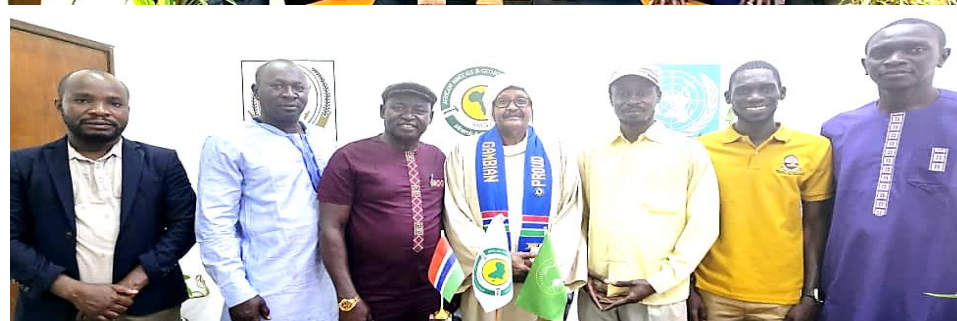




**On 6<sup>th</sup> May 2025, Mr. Ibrahim Shaddad, the Director General of the African Minerals & Geosciences Centre (AMGC), paid a courtesy visit to the esteemed office of**



**H.E. Mr. Fekadu Beyene Ayana, the Extraordinary & Plenipotentiary Ambassador of the Federal Republic of Ethiopia to the United Republic of Tanzania. Mr. Shaddad discussed with H.E. Mr. Fekadu a number of issues regarding AMGC as a Continental Centre of Excellence serving the Minerals Industry and Geosciences Community in Africa. Furthermore Mr. Shaddad, who is of an Ethio-Sudanese origin and in his capacity as an activist in Pan-African Public Diplomacy and Solidarity, deliberated with H.E. Mr. Fekadu regarding mobilization social-cultural activities and togetherness of the Ethiopian community in Dar es Salaam, Tanzania.**

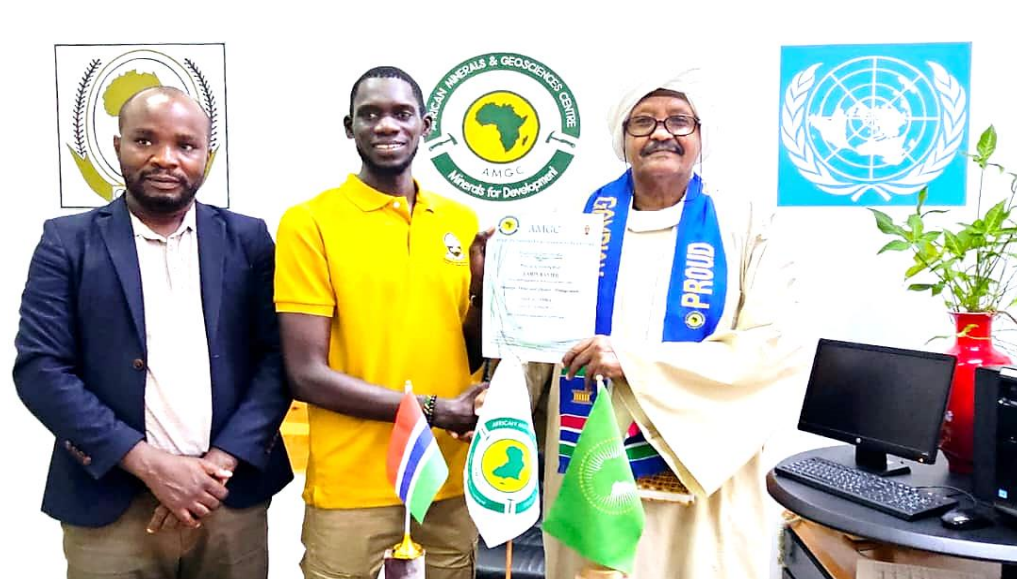


**On 16 May 2025, the African Minerals and Geosciences Centre (AMGC), an ISO 9001:2015 certified was delighted to hold a Certificate hand out ceremony for the first group of Six (06) professionals from the Geological Department of Gambia, who participated in a practical on job training course namely; “Strategic Management of Mines and Quarries” from 12<sup>th</sup> to 16<sup>th</sup> May 2025. The training was conducted by the Mineral Processing and Small-Scale Mining Department of AMGC.**

**The Gambian professionals are the following:**

- 1. Mr. Lamin Kanteh**
- 2. Mr. Yankuba Bojang**
- 3. Mr. Ismaila M Saho**
- 4. Mr. Ebrima Touray**
- 5. Mr. Yusupha Barrow**
- 6. Mr. Omar S.B. Jabang**









On 16<sup>th</sup> May 2025, the African Minerals and Geosciences Centre (AMGC), an ISO 9001:2015 certified was delighted to receive 35 undergraduate students from the School of Engineering and Environmental Studies at Ardhi University in Dar es Salaam, Tanzania on one-day familiarization visit to AMGC's laboratories. The main focus of the visit was to learn about various processes taking place in AMGC's laboratories involving analytical equipment.

It is worth mentioning that AMGC has been assisting sustainably the Ardhi University among other Tanzanian higher academic institutes in the practical capacity building of their students. Free of charge practical trainings provided for undergraduates during their summer vacations and free of charge Internship Program for fresh graduates as apprentices in the Centre.







**On 23<sup>rd</sup> May 2025, the African Minerals and Geosciences Centre (AMGC), an ISO 9001:2015 certified hold a certificate hand out ceremony for the second group of five (05) professionals from the Geological Department of Gambia, who participated in a practical on job training course namely; “Environmental Management and Climate Action in Mining” from 19<sup>th</sup> to 23<sup>rd</sup> May 2025. The Mineral Processing and Small-Scale Mining Department of AMGC conducted the training. The Gambian professionals are the following:**

- 1. Mr. Lamin M Nyassi**
- 2. Mr. Bakary Jammeh**
- 3. Mr. Ousman Jallowsawa**
- 4. Mr. Kebba Sitta Saidy**
- 5. Mr. Abdoulie Jallow**









### **VISIT TO AMGC BY A DELEGATION FROM THE ZANZIBAR UNIVERSITY (ZU) ON 21<sup>st</sup> May 2025 FOR SIGNING MOU BETWEEN AMGC AND ZU**

On 21<sup>st</sup> May, 2025, the African Minerals and Geosciences Centre (AMGC) an ISO 9001:2015 certified welcomed a high-level delegation from Zanzibar University (ZU) for signing a Memorandum of Understanding (MoU) between the two institutions on analytical and other technical collaborations. The delegation from ZU comprises the following top officials:

1. Sheikh Abdelkadir Osman Hafiz, the Chancellor of Zanzibar University
2. Prof. Mohammed Awadelkarim, the Vice-Chancellor
3. Dr. Rashed Gomaa Rashed, Deputy Chancellor for Administration
4. Madam Sharbat Mohamed Fouad, the member of the council and the wife of the Chancellor
5. Mr. Ismail Mohammad, the secretary of Chancellor

The delegation toured the various technical facilities of AMGC and impressed regarding development of infrastructures and mineral services provided, including consultancy, training, and analysis. A MoU has been signed so as the university could benefit from AMGC's mineral services for its staff, fresh graduates and undergraduate students particularly within the free of charge summer practical trainings for undergraduate students, internship program for fresh graduates as apprentices. Such free of charge services are provided as privileges to higher academic institutes of AMGC member states since these institutes are among the major stakeholders of the geoscientific community and mining industry in Africa.

















**On 23 May 2025, the African Minerals and Geosciences Centre (AMGC), an ISO 9001:2015 certified, participated in an annual inspection conducted by Occupational Safety and Health Authority (OSHA) in Tanzania.**

**The inspection focused on general workplace, industrial hygiene, ergonomics, electrical inspection, and workers' medical examination. The inspection was led by:**

**Ms. Esther Salum**

**Ms. Midlaster Mosha.**

**AMGC holds a Certificate of Registration of a Workplace from OSHA and participates annually in this mandatory compliance inspection for the healthier workplace and workers.**





## **APPRECIATION & GRATITUDE**

**The African Minerals and Geosciences Centre (AMGC) would like to express its much appreciation and gratitude to 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 2024 - 2025 and arrears for financial year 2023 /2024.**

**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.**





## **APPRECIATION & GRATITUDE**

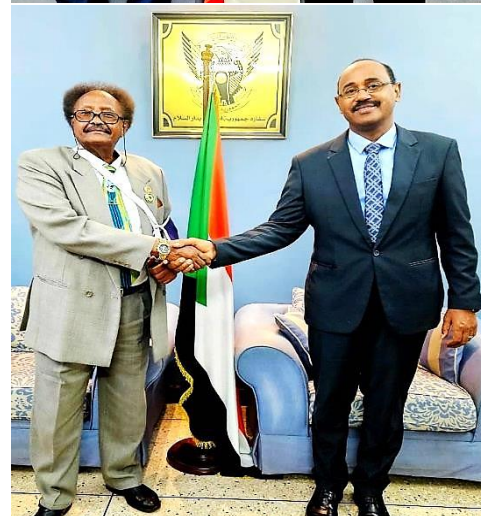
**The African Minerals and Geosciences Centre (AMGC) would like to express its much appreciation and gratitude to Kenya for being up to date in fulfilling its financial commitments to the Centre until 30 June 2025. It is worth mentioning that Kenya joined the Centre in July 2006 becoming the 7<sup>th</sup> member state, chaired the AMGC Governing Council and hosted the Policy Organ Meetings three times (May 2011, June 2014 and May 2015) and the coming one will be hosted by Kenya under the chairmanship 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 much appreciation and gratitude to the Sudan for being up to date in fulfilling its financial commitments to the Centre until 30 June 2025. Mr. Ibrahim Shaddad, the Director General of the African Minerals and Geosciences Centre (AMGC) paid a courtesy visit to H.E. Mr. Asm Mustafa, the Charge' affairs of the Sudan Embassy in Dar es Salaam, Tanzania on 6<sup>th</sup> September 2024 to express much appreciation and gratitude for the arrangement which have been 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. Mr. Asm Mustafa 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 is the last member state to join the work force of AMGC in August 2010. The Sudan chaired the AMGC 33rd and 39th Governing Council Meetings hosted in Khartoum in



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 the Centre in overcoming repeated financial constrain that the Centre is facing. The Sudan is ranking the second after Tanzania the host country of AMGC in utilizing the AMGC's mineral services and in this regard the Sudan contributes honorably in the 40% annual operational budget to be generated by the Centre. The Sudan is leading in timely fulfilling its annual subscription to the Centre and injecting additional funds through maximizing its beneficiation from mineral services particularly paid training courses provided by the Centre. Since Mr. Ibrahim Shaddad, the current Director General of AMGC has been fully on board in July 2015, a total of 440 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 on-job-training courses at the AMGC based in Dar es Salaam, Tanzania and one paid outreach training course held at the premises of GRAS in Khartoum.





## APPRECIATION & GRATITUDE

**The African Minerals and Geosciences Centre (AMGC) would like to express its much appreciation and gratitude to Angola for being up to date in fulfilling its financial commitments to the Centre until 30 June 2025.**

**It is worth mentioning that Angola, one of the founding member states of AMGC, has been unreservedly supporting the Centre since joining the Centre on 23 May 1985. Angola shouldered more than once (in 2001 and 2009) hosting the Policy Organ Meetings of the Centre as well as chairing the Governing Council of the Centre. Out of the six Directors General managing the Centre since 1977, Angola was elected to manage the Centre from 2002 to 2006 by H.E. Dr. Diamantino Pedro Azevedo, the current Minister for Mineral Resources, Oil and Gas in Angola. H.E. Dr. Diamantino is the current Vice Chairman of the AMGC Governing Council.**

**Angola was elected Chair of the Board of Directors (BOD) of AMGC from 2006 to 2014 by Dr. Luis Antonio, the then Advisor of the Minister of Geology and Mines of Angola and now Director of Exchange Office at the Ministry of Mineral Resources, Oil and Gas of Angola. Currently Dr. Luis is the representative of Angola in AMGC Standing Committee of Officials. Mr. Canga Xiaquivuila, the Director General of the Geological Institute of Angola is the representative of Angola in AMGC Board of Directors.**





## APPRECIATION & GRATITUDE

On behalf of the African Minerals and Geosciences Centre (AMGC) and myself, I would like to take the opportunity to thank, appreciate, and express my gratitude to Dr. Marit Kitwa for the leadership during her tenure as Interim Director of the African Minerals Development Centre (AMDC).

It is worth mentioning that Dr. Marit was the representative of the African Union Commission (AUC); Economic Development, Tourism, Trade, Industry, Mining (ETTİM) in the African Minerals and Geosciences Centre (AMGC) Policy Organs, namely the Board of Directors (BoD), Standing Committee of Officials (SCO) and Governing Council (GC).

AMGC recognizes her able guidance and support, which enabled the Centre to implement its activities successfully.

Dr. Marit Kitwa is going back to UNECA, which established AMGC in 1977 as an independent, multinational, and intergovernmental Centre of excellence with diplomatic status. UNECA is a member of the Governing Council of AMGC and has always chaired the Standing Committee of Officials and Vice Chair of the Board of Directors of AMGC. The Centre works under the umbrella of both UNECA and ETTİM for implementation on ground the African Mining Vision (AMV) endorsed by African Heads of States for a better socioeconomic development of minerals for African nations and States.

There is duplication between AMGC and AMDC in mission and mandate, double membership to the two institutions in addition to the possible consequences of one of the two institutes suffocating the other. There are three technical overlapping areas between AMGC and AMDC, which are geo-information (Geodata systems), artisanal mining sector, and capacity building. The African Minerals and

Geosciences Centre (AMGC) is looking forward to merging AMGC into AMDC to avoid institutional duplication between the two continental institutes. The issue of merging is vital to the two continental institutes success in serving both the Minerals Industry and Geosciences Community in Africa.

Looking forward to continued relationship with her as well as seeking her advice especially on mining issues, we remain

Ibrahim Shaddad

DIRECTOR GENERAL.





# EVENTS

From 24<sup>th</sup> to 26<sup>th</sup> September 2025 at the Diamond Jubilee Hall in Dar es Salaam, Tanzania

Discover the latest innovations and connect with industry giants at Minexpo 2025.

Ready to take your business to new heights?

Secure your exhibit space now!

<https://www.facebook.com/share/1BvBKAJhBe/>

## Participate At

Region's Prime

International Mining & Machinery Trade Exhibition

9<sup>th</sup>  
**MINEXP**   
**AFRICA 2025**

EXHIBITORS  
FROM

**30**

COUNTRIES

VISITORS  
FROM

**11**

COUNTRIES

PROFESSIONAL

**4200+**

TRADE VISITORS

24 - 26 September | Dar-es-Salaam | Tanzania

**Register Now**



# EVENTS

**Save the Date!**

**11<sup>th</sup> International Conference of the African Association of Women in Geosciences (CAAWG11)**

**You are cordially invited to the 11<sup>th</sup> International Conference of the African Association of Women in Geosciences (AAWG), a landmark event celebrating 30 years of empowering women in geosciences.**

**Theme: “GEOSCIENCES AND THE FUTURE OF AFRICA: Emerging Technologies, Innovations, and Inclusive Growth”**

**Date: October 1 - 4, 2025**

**Location: Kampala, Uganda**

**Organized by: African Association of Women in Geosciences (AAWG)**



**THE 11<sup>th</sup> INTERNATIONAL CONFERENCE FOR THE AFRICAN ASSOCIATION OF WOMEN IN GEOSCIENCES**

**CALL FOR PAPERS**  
Submit your Abstracts for the 11th international Conference

You are invited to submit abstracts for the 11th International Conference of the African Association of Women in Geosciences (AAWG). Authors are to submit abstracts on the conference subthemes. Subthemes are to be found on <https://aawg.ug/>

**DEADLINE OF SUBMISSION**  
30<sup>th</sup> June, 2025

October 1-5, 2025  
Imperial Hotel Entebbe, Uganda

Upload your abstracts on <https://aawg.ug/abstracts>

**Hosted by: Ugandan Association of Women in Geosciences (UAWG)**

**Join us for an inspiring and impactful gathering of geoscientists, researchers, leading experts, innovators, industry professionals and policymakers dedicated to advancing geosciences in Africa and beyond and to explore how cutting-edge geoscience technologies and breakthrough innovations are driving sustainable development and inclusive growth across the continent.**

**What to Expect:**

- 👉 Inspiring keynote presentations
- 👉 Workshops & Roundtables
- 👉 Engaging panel discussions
- 👉 Interactive networking sessions
- Field trip

**Cultural events celebrating Africa's rich heritage**

**Mark your calendars and be part of the conversation shaping Africa's tomorrow! More details on the conference will be provided soon.**

**#CAAWG11 #AAWG30Years #GeoscienceForAfrica #WomenInGeosciences #Innovation #Inclusive Growth**



# EVENTS



## CONGRESS OF AFRICA'S MINERAL RESOURCES DEVELOPMENT



# CAMRED

Fostering Mineral Development,  
Local Content and Value Addition  
to realize Africa's 2063 Agenda,  
SDGs and Africa Mining Vision (AMV)

**Save the Date**

**1 - 3 October 2025**  
**Hilton Grand Nile Tower**  
**Cairo, Egypt**

For Registration and Information

[www.CAMRED.org](http://www.CAMRED.org)



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## Concept Note

### **Second Congress of Africa Mineral Resources Development Under the Theme**

**Fostering Mineral Development, Local Content and Value Addition to realize Africa's 2063 Agenda, SDGs and Africa Mining Vision (AMV)**

**1-3 October 2025**

**Hilton Grand Nile Hotel, Cairo-Egypt**

#### **Introduction and Background**

Africa is home to a vast array of mineral resources, including gold, diamonds, copper, petroleum, and natural gas. Critical commodities that are essential components in many of today's rapidly growing clean energy technologies and industries represent a significant segment of the continent's vast mineral wealth. Africa, known for its rich natural resources, has an abundance of these minerals, which are key for the global transition to sustainable and renewable energy technologies. About 30% of all global mineral reserves are found in Africa. The continent's proven oil reserves constitute 8% of the world's stock and those of natural gas amount to 7%. Minerals account for an average of 70% of total African exports and about 28% of gross domestic product. The contribution of extractives to public finance is significant, with some African countries' public revenue almost entirely dependent on them. Indeed, AfDB estimates that Africa's extractive resources could contribute over USD 30 billion per annum in government revenue for the next 20 years. The Bank also estimates that revenues from recent oil, gas and mineral discoveries could contribute between 9% and 31% of additional government revenues over the first ten years of production for countries such as Ghana, Liberia, Mozambique, Sierra Leone, Tanzania and Uganda.

In a similar vein, Africa's Green minerals refer to those minerals used in the production of renewable energy technologies and environmentally sustainable applications. This category includes minerals like lithium, cobalt, and nickel, which are essential for manufacturing batteries for electric vehicles and energy storage

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systems. The demand for green minerals is rapidly increasing as the world shifts towards cleaner energy sources to combat climate Change.

Rare minerals, often overlapping with green minerals, include rare earth elements (REEs) like neodymium and dysprosium. These elements are crucial for the production of high-strength permanent magnets used in wind turbines, electric vehicles, and various high-tech applications. Despite their name, rare earth elements are relatively abundant in the Earth's crust, but their concentration levels are low, making their extraction economically challenging.

Africa's rich deposits of these minerals offer tremendous opportunities for economic growth and development. Countries like the Democratic Republic of Congo (DRC), which holds a significant portion of the world's cobalt reserves, and Zimbabwe, rich in lithium deposits, are key players in the global supply chain of green minerals.

However, the extraction and exploitation of these minerals also come with challenges. Issues like environmental degradation, human rights violations, and the need for sustainable and responsible mining practices are at the forefront of the discourse around the extraction of green and rare minerals in Africa. The continent's future in this sector depends on balancing economic development with environmental sustainability and social responsibility. Green and rare minerals in Africa play a pivotal role in the global transition to a greener economy. The continent's vast reserves of these minerals position it as a key supplier in the renewable energy and technology sectors. However, addressing the environmental and social impacts associated with their extraction is crucial for sustainable development in this promising sector.

The continent's mineral wealth represents a significant opportunity for economic growth and development, but it also poses challenges related to sustainable management, governance, and environmental protection. The Africa Mineral Resources Summit aims to address these issues by bringing together stakeholders from across the continent to share ideas, best practices, and solutions. CAMRED will encourage responsible green mining operations that ensure the production and trade of minerals critical to the energy transitions are just, sustainable and provide maximum added value in the countries supplying the raw materials. Most specifically, Africa must not be only producers of raw materials.



CAMRED is a Three -day event that will bring together stakeholders from across the African mineral sector to discuss and explore opportunities for sustainable mineral development in Africa and realizing Africa's 2063 Development Agenda. CAMRED will focus on the theme of fostering local content and value addition, highlighting the importance of promoting local ownership, development, and processing of mineral resources in Africa. CAMRED is in alignment with the Africa Mining Vision (AMV) of the African Union to promote Mineral development for sustainable growth and socioeconomic development in Africa and seeks to promote the processing and beneficiation of mineral resources in Africa, with a focus on adding value to minerals that are currently exported in raw form. It will also discuss the investment opportunities regarding industrialization and harnessing the potentials of the resources in Africa.

## Objectives

The primary objectives of CAMRED are as follows:

- To promote local content and value addition in the African mineral sector, with a focus on creating sustainable and equitable value chains that benefit local communities and economies in alignment with the principles of the AMV.
- To facilitate knowledge exchange and collaboration between stakeholders in the African mineral sector, including government agencies, industry representatives, Private Sector, and academic institutions, on topics related to local content and value addition.
- To showcase best practices, innovations, and success stories in local content and value addition in the African mineral sector.
- Foster collaboration and partnerships between governments, industry, and Private Sector to promote responsible and sustainable mineral resource development in Africa.
- Showcase the latest technologies, practices, and innovations in mineral exploration, extraction, processing, and management.
- Promote investment opportunities in Africa's mineral sector and facilitate business partnerships and deals.
- Address challenges related to environmental protection, social responsibility, in the mineral sector.

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- Provide a platform for dialogue and knowledge exchange among stakeholders involved in mineral resource development in Africa.
- Advocate for an Enabling policy and regulatory environment for mineral exploration and production in Africa, with a focus on promoting transparent and sustainable practices in alignment with AMV with a focus on promoting transparency, accountability, and good governance.
- Promote Linkages and diversification as per The Africa Mining Vision that seeks to promote linkages between the mineral sector and other sectors of the economy, as well as diversification of the mineral sector itself to maximize its contribution to socioeconomic development.
- Promote the Artisanal and Small-scale Mining (ASM) including SMEs owned by Women and youth.
- Promote economic empowerment of women and youth in Mineral development resources and value addition.
- Promote Investment Opportunities in different Member States of Africa
- Establishment of a Road Map for Mineral development in Africa with inclusion of the different Stakeholders for integration among the Stakeholders

### Topics for Discussion

CAMRED will cover a range of topics related to local content and value addition in the African mineral sector, in alignment with the AMV, including:

- Strategies for promoting local ownership and development of mineral resources
- Best practices and innovations in local mineral processing and beneficiation
- Opportunities for local content and value addition in the mineral sector value chain, including equipment manufacturing, logistics, and marketing
- The role of government policies and regulations in promoting local content and value addition
- Challenges and opportunities for artisanal and small-scale mining in promoting local content and value addition
- Collaborative models for promoting local content and value addition, AMV, including public-private partnerships and community-led initiatives and the
- There will also be discussion on mining taxation, fiscal prudence and commodity price volatility.

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### **Format:**

CAMRED will take place over three days and will include the following components:

1. Plenary sessions featuring keynote speakers, panel discussions, and presentations on the themes outlined above.
2. Workshops and roundtable discussions on specific topics related to mineral resource development in Africa.
3. Exhibition showcasing the latest technologies and innovations in the mineral sector and companies and organizations in the Mineral Development Sector.
4. Networking opportunities, including business-to-business meetings and social events.

### **Target Audience**

CAMRED is aimed at a wide range of stakeholders in the African mineral sector.

### **Who should attend CAMRED**

Participants and stakeholders who should attend CAMRED fostering local content and value addition in the African mineral sector:

1. Government agencies and policymakers responsible for mineral sector regulation and development, including ministry officials, regulatory bodies, and regional economic communities.
2. Industry representatives, including mining companies, exploration firms, equipment suppliers, and logistics and marketing companies.
3. Academic institutions and researchers studying mineral sector development, including geologists, engineers, economists, and social scientists.
4. Investors and financial institutions interested in funding mineral sector projects, including private equity firms, investment banks, and impact investors.
5. International organizations and development partners involved in mineral sector development, including the United Nations, World Bank, African Development Bank, and regional development agencies.
6. Local entrepreneurs and small and medium-sized enterprises involved in mineral sector value addition, including mineral processing and beneficiation, equipment manufacturing, and logistics and marketing.

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7. Civil society organizations and community groups involved in mineral sector advocacy.
8. Women and Youth in Mining Associations.
9. Small Scale Artisanal miners

By bringing together a diverse group of stakeholders, CAMRED can facilitate knowledge exchange, collaboration, and innovation in promoting local content and value addition in the African mineral sector and overcome challenges facing Mineral sector development in Africa that are and not limited to:

1. **Governance and regulation:** Weak governance and poor regulation that can result in negative impacts on local communities, the environment, and the economy.
2. **Infrastructure:** Insufficient infrastructure, such as roads, rail, and power, can make it difficult to extract, transport, and process minerals, leading to higher costs and lower profitability.
3. **Skills shortages:** There is a shortage of skilled workers in the mining sector in Africa, which can lead to lower productivity and efficiency.
4. **Access to finance:** Limited access to finance can make it difficult for small-scale miners and new mining ventures to access capital and investment, hindering their ability to grow and innovate.
5. **Lack of Technology and Equipment** to empower the Mineral sector development in Africa.
6. **Environmental protection:** The extraction and processing of minerals can have significant environmental impacts, including deforestation, water pollution, and soil erosion, which can have long-term negative effects on ecosystems and local communities.
7. **Social responsibility:** The mineral sector can have negative social impacts, such as displacement of communities, and labor exploitation.
8. **Market volatility:** The global market for minerals is subject to volatility, which can affect the profitability and stability of the sector. So it will be of interest to African countries, who are price recipients in the global commodity markets, to look this issue from the perspective of fiscal stability and domestic resource mobilization.



Addressing these challenges requires collaboration and coordination between governments, industry, Private Sector and civil society to promote responsible and sustainable mineral resource development that benefits all stakeholders.

### Outcome of the CAMRED

- Establishment of a Road Map for Mineral development in Africa with inclusion of the different Stakeholders for integration among the Stakeholders
- Initiation of a Mapping Exercise and the development of an interactive database for the existing Mineral Resources in Africa by sectors including Green Minerals, Oil and Gas, etc. This will be in the interest of AU member states and private sector.
- Exploration of Investment Opportunities in the Mining and Mineral Development Sector
- Business Deals by the Private Sector.

### Conclusion

**CAMRED** (Congress for Africa's Mineral Resources Development) is an important opportunity to promote local content and value addition in the African mineral sector and facilitate knowledge exchange and collaboration across the industry. By focusing on sustainable and equitable value chains that benefit local communities.

### Organizers

- Africa Business Council (Mineral Development Resources Cluster, Oil and Gas Cluster, Energy Cluster)
- African Union Commission, Department for Economic Development, Trade, Tourism, Industry, and Minerals (ETTİM)
- Africa Mineral Development Centre (AMDC)
- Minerals Africa Development Institution (MADI)
- CoDA
- African Alliance for Women (AFRAWE)

**CAMRED Secretariat: AfBC**

**Mobile and WhatsApp: +201272086668/+201223144361**

**E-Mail:** [abushakrasoha@gmail.com](mailto:abushakrasoha@gmail.com)/[CAMRED@africanbusinesscouncil.org](mailto:CAMRED@africanbusinesscouncil.org)  
[www.CAMRED.org](http://www.CAMRED.org)





## Invited Strategic Partners (TBC)

- AUDA/NEPAD
- UNIDO
- UNECA

## Partners and collaborators (invited)

- African Financial Institutions and Banks
- African Development Bank (TBC)
- Afrexim Bank

## Regional and International Organizations

- RECs (Regional Economic Communities)
- Governments. Ministers of Minerals, Mineral Development Authorities
- Organizations Supporting Small Scale Miners and Artisanal, MSMEs.
- Financial Institutions and Banks
- Development Partners

**Date: 1-3 October 2025**

**Venue: Hilton Grand Nile Hotel, Cairo -Egypt**



Hilton Grand Nile Hotel  
Cairo – Egypt  
1-3 October, 2025

## Registration Form

(Please type in Block letters and send it back to CAMRED Secretariat)

Name (as in badge): .....

First Name

Family Name

Profession / Title / Post: .....

Association: .....

Company: .....

Position: .....

Mailing Address: .....

City: ..... Country: .....

Tel.: Office: ..... Mobile /WhatsApp: .....

Email: ..... Website: .....

### Registration Fees for the Congress

Registration Fees	Early Bird Before September 30 <sup>th</sup> , 2025	After September 30 <sup>th</sup> , 2025
* Participant	900 USD	1000 USD

Subtotal (1): .....

**Payment:** Please address your method of payment to the favor of: -

### Congress Service Centre

Account Number: USD 0023 111 000 8631

IBAN: EG270036000100000231110008631

Swift Code: AGRIEGCX

Bank: Credit Agricole – Egypt

Branch: Mohandseen Syria St., Branch – Cairo – Egypt

Address: 4 Syria St., Mohandeseen – Cairo – Egypt

(Credit cards & personal checkups are not accepted)

I enclose with this form Copy of Bank Transfer in the amount of .....

Date

Signature

.....

.....

CAMRED Secrétariat :

Mobile & WhatsApp : +201272086668 / +201223144361

Email : [camred@africanbusinesscouncil.org](mailto:camred@africanbusinesscouncil.org) / [africacamred@gmail.com](mailto:africacamred@gmail.com) / [camred@camred.org](mailto:camred@camred.org)

Website: [www.camred.org](http://www.camred.org)



## Accommodation Form

*(Please type in Block letters and send it back to CAMRED Secretariat)*

Name: .....

First Name

Family Name

Profession / Title / Post: .....

Association / Institute: .....

Company: ..... Position: .....

City: ..... Country: .....

Tel.: Office: ..... Mobile/WhatsApp: .....

Email: .....

### Accompanying Person (s)

☐ Mr. ☐ Mrs. ....

First Name

Family Name

Date of Arrival: ..... Carrier: ..... Flight No: .....

Date of Departure: ..... Carrier: ..... Flight No: .....

Meet & Assist at Airport and Transfer to booked Hotel

☐ One way: 50 USD ☐ Round trip: 100 USD

No. of Persons: ..... Subtotal 2: ..... USD

### Hotel Accommodation Please mark appropriate square

Hotel	Single	Double
<input type="checkbox"/> (Conference Venue) Hilton Grand Nile (5 Stars)	210 USD	230 USD
<input type="checkbox"/> Cleopatra Hotel (3 Stars)	100 USD	120 USD
<input type="checkbox"/> Cosmopolitan Hotel (3 Stars)	85 USD	100 USD

\* Above rates are inclusive of service charge, governmental taxes & buffet breakfast.

Check in: ..... Check out: .....

No. of nights: ..... Subtotal 3: ..... USD

Total Amount: ..... USD

### Payment:

Please address your method of payment for Accommodation to the favor of organizing agent

### **Congress Service Centre**

Account Number: USD 0023 111 000 8631

IBAN: EG270036000100000231110008631

Swift Code: AGRIEGCX

Bank: Credit Agricole – Egypt

Branch: Mohanseen Syria St., Branch – Cairo – Egypt

(Credit cards & personal cheque are not accepted)

I enclose with this form Copy of Bank Transfer in the amount of .....

Date .....

Signature .....

**CAMRED Secrétariat :**

**Mobile & WhatsApp : +201272086668 / +201223144361**

**Email : [camred@africanbusinesscouncil.org](mailto:camred@africanbusinesscouncil.org) / [africacamred@gmail.com](mailto:africacamred@gmail.com) / [camred@camred.org](mailto:camred@camred.org)**

**Website: [www.camred.org](http://www.camred.org)**

## ***Exhibition Form***

Name: .....

First Name

Family Name

Company: .....

Position: .....

Field of activity: .....

Association /Organization: .....

Position: .....

Mailing Address: .....

City: .....

Country: .....

Tel. Office: .....

Mobile/WhatsApp: .....

Email: ..... Website: .....

### **Exhibition Fees**

#### **Specification of Booth: 6 Sqm**

- |   |       |                           |
|---|-------|---------------------------|
| <input type="checkbox"/> Country Pavilion | 20000 | USD (3 Registration Free) |
| <input type="checkbox"/> Corporate        | 10000 | USD (2 Registration Free) |
| <input type="checkbox"/> SME              | 2500  | USD (1 Registration Free) |

Subtotal 4 Exhibition: ..... USD

*Date*

*Signature*

.....

.....

The duly completed Form should be sent at the following address:

Email: [camred@camred.org](mailto:camred@camred.org)  
[africacamred@gmail.com](mailto:africacamred@gmail.com)

Cc /  
[abushakrasoha@gmail.com](mailto:abushakrasoha@gmail.com)



# EVENTS

## COLLOQUIUM OF AFRICAN GEOLOGY



Colloquium of  
African Geology  
**CAG30**



“Unveiling Africa’s Geological Resources: Forging a path for sustainable development”

September 23<sup>rd</sup>– 27<sup>th</sup> 2025 | Nairobi, Kenya

Organized by:



In partnership with:



# EVENTS

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# EVENTS

## Message from the President of The Geological Society of Africa.



The Colloquium of African Geology (CAG) is a major biennial meeting, held under the auspices of the Geological Society of Africa, where earth scientists from around the globe have the opportunity to present their research on topics of African geology to an international forum of their peers. It also offers an opportunity to initiate, develop and implement projects which promote interaction between Academia, Industry and Society.

During the 29<sup>th</sup> Colloquium of African Geology (CAG29), hosted by Namibia, it was announced that the Colloquium (CAG30) would be hosted by Kenya during the final week of September 2025. During the 30<sup>th</sup> edition, CAG will celebrate mark the 60<sup>th</sup>

anniversary of the CAG and the 30<sup>th</sup> edition. The first edition held in Leeds in the United Kingdom was a landmark one as it led to the propagation and acceptance of the scientific revolutionary concept of “the Pan African Orogeny”. The CAG has grown over the years to be regarded as the “Olympics of African Geology”. The theme of the event will be: ***“Unveiling Africa's Geological Resources: Forging a Path for Sustainable Development”***. The event will be attended by various industry players within the academia, scientific research, mining, exploration and geothermal sectors. Participation from the government, civil society partners and the media is also expected.

Career scientists from African countries and other developing regions are especially encouraged to regard this event as an opportunity to present their research to a wide audience, with participations from different sectors, countries, and continents. Kenya, the host country, boasts an interesting, heterogeneous geology covering some 2.6 billion years of earth history, with a wide variety of mineral deposits and mineralization styles, that have contributed - and still contribute- immensely to the country's economy. In addition, Kenya's impressive geomorphic landscapes have great potential for geotourism, while the host city, Nairobi, is a culturally diverse center of learning. Academically, the geoscientific sessions and excursions highlighted in this circular and following circulars promise to provide a deeper insight into the multi- faceted geological history of the African continent. I therefore enjoin all geoscientists globally, therefore, to start making plans to attend what will be an interesting and geologically fulfilling event, which will be held in Nairobi, Kenya from **23<sup>rd</sup> to 27<sup>th</sup> September 2025**.

Prof. Olugbenga Okunlola  
President Geological Society of Africa

# EVENTS

## Message from the Chairperson of the Local Organizing Committee



I warmly invite you to the 30th Colloquium of African Geology (CAG30), to be held in the attractive city in the sun - Nairobi, Kenya, from September 23<sup>rd</sup> to 27<sup>th</sup>, 2025. The theme of this year's colloquium is ***"Unveiling Africa's Geological Resources: Forging a Path for Sustainable Development"***. The Local Organizing Committee and the National and International Scientific Committee, supported by different sponsors, will put up an elaborate program. CAG30 is an opportunity to see and learn about Kenya.

Poised as the cradle of mankind and a great safari destination, Kenya's geology is also diverse. Located at the Equator, Kenya's geology is placed in a very unique position with Archean to

Quaternary geology. The country is powered by geothermal energy drawn from the Rift Valley that is a major and also a host of several inland lakes. The 30<sup>th</sup> Colloquium will feature keynote addresses, oral presentations, poster sessions, call for workshops, training and field trips. Among the issues to be addressed will be the role of artificial intelligence in geological sciences in Africa, the geopolitics of strategic mineral resources and hydrogeology with emphasis on its sustainable utilization.

Equally, there will be exhibitions and meetings with experts from different fields such as research institutions, extractive industries and entrepreneurs both locally in Kenya and within Africa and far beyond. Come ready for opportunities to network and socialize. To you all participants from government and affiliated institutions, professional associations, mining companies, researchers & scholars, civil societies, political players and the media, you are welcome.

Looking forward to meeting you at the CAG30!

Geol. Joseph Ng'ang'a Kuria,  
President, Geological Society of Kenya





# EVENTS

## 1. Introduction

The Geological Society of Kenya is the principal organizer of the 30<sup>th</sup> Colloquium of African Geology (CAG30) on behalf of the GSf, in cooperation with various stakeholders in mining, groundwater development, geotechnical and Engineering services, oil and gas industry, and more importantly, research and academia.

Geological resources have been instrumental as causes and underwriters of development in majority of African Nations. These resources have undoubtedly shaped every African across the value chains as well as their impact on the environment. CAG30 fosters a platform and framework for exploring the interconnectedness of natural resources exploration and development processes to sustainable development goals. The event will be held in Nairobi, Kenya between 23<sup>rd</sup> and 27<sup>th</sup> September, 2025 under the banner of “Unveiling Africa's Geological Resources: Forging a Path for Sustainable Development”.

The Geological Society of Kenya (GSK) and the Geological Society of Africa (GSf) are professional associations that were formed to oversee and cater for the desires of geologists while ensuring professional integrity in geo- scientific undertaking world- wide. The Geological Society of Kenya, non- profit making and a non- political organization is celebrating 50 years since its inception in 1974, while CAG will be celebrating 60<sup>th</sup> birthday at the height of this conference. Both societies draw their funding from membership subscription, corporate membership and at times grants from institutional partners.

CAG30, just like previous meetings will be graced by international speakers, distinguished scholars and researchers and multinational geo- resources exploitation companies. This conference will be preceded by field trip and ended with similar charming geological excursion to wonderful sceneries across Kenya. This conference is expected to provide an avenue for different players to showcase their wares and expertise in geoscience skills, instrumentation, equipment and tools. Entrepreneurs and institutional leaders will have the podium to share experiences from all parts of the world

### 1.1. Proposed Overall Structure for CAG30

- ❖ Pre- CAG30 field trips
- ❖ Online registration opens on the conference website
- ❖ On- site registration opens, exhibition set- up
- ❖ Welcome reception and icebreaker
- ❖ Opening ceremony
- ❖ Scientific Program
- ❖ Gala Dinner
- ❖ GM Geological Society of Africa
- ❖ Business meetings and activities for accompanying participants
- ❖ Workshops and Short Courses
- ❖ Post- CAG29 fieldtrips

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## 2. Call for Proposals for Sessions, Business Meetings, Workshops and Short Courses

The Local Organizing Committee invites interested participants to submit proposals for:

### 2.1 Sessions

The sub- themes allow for multiple sessions with conveners. Interested participants wishing to convene sessions should send their proposals using the <https://www.jotform.com/form/250282551049050> The submissions deadline is 30<sup>th</sup> March 2025.

### 2.2 Workshops and Short Courses

Proposals are invited for workshops and business meetings to be held before, during, or after the conference. The submissions deadline is 30<sup>th</sup> March 2025. Only submissions received through the <https://form.jotform.com/250282119829056> will be reviewed.

### 2.3 Business meetings

The organizing committee invites potential delegates to organize business meetings to be held during CAG30. Proposals should be sent through the <https://www.jotform.com/build/250282821093049> before end of business 30<sup>th</sup> May 2025.

## 3. Exciting Field Excursions

Registrations for the following field excursions are invited.

*Note:*

i. *Pre- conference trips will end on 22<sup>nd</sup> September 2025 while post- conference trips will start from 28<sup>th</sup> September (Participants shall make a choice for one day, two days or three days trip(s) based on their preferences).*

ii. *The Nairobi National Park trip on 26<sup>th</sup> September 2025 is encouraged for all Conference attendees who have very limited time to be away.*

iii. *Trip Codes: GE = Geology Excursion*

  = 1 Day Trips   = 2 Day Trips   = 3 Day Trips

COD E	SITE	TOWNS	PERIOD	COST @PA X	LEAD GEOL	DATE
1.	Journey Through Geologic Time - Exploring Ologisaille Prehistoric Site & Soda Ash Extraction at Lake Magadi and the Gregory rift Valley Formation	Nairobi- Magadi- Back Via Kibiko/Kimuk a	1 Day Post – Conference	USD 150	Dr. Rahab Kinyanjui	22 <sup>nd</sup> September 2025



# EVENTS

2.	Kenya's Olkaria Geothermal Well fields and Oserian Company.	Nairobi-Naivasha-Back Via Maai Mahiu	1 Day Pre Conference	USD 150	Geol. James Nyandigisi	22 <sup>nd</sup> September 2025
3.	The Great Rift Valley Lakes of Kenya: Tectonics, Modern and Paleo hydrogeology	Nairobi-Naivasha-Elementaita	1 Day Post Conference	USD 150	Dr. Lydia Olaka	28 <sup>th</sup> September 2025
4.	International Monitoring system station of the CTBTO, its role in geohazard mitigation and understanding of foundation stability of dams in the Mozambique mobile belt.	Nairobi-Ruiru-Thika/Ndaru gu-OldonyoSabuk- Back Via Thika Road	1 Day Pre Conference	USD 150	Dr. Dindi	21 <sup>st</sup> September 2025
5.	International Monitoring System station of the CTBTO, its role in geohazard mitigation and understanding of foundation stability of dams in the Mozambique mobile belt.	Nairobi-Ruiru-Thika/Ndaru gu-OldonyoSabuk- Masinga-Yatta- Back Via Machakos	2 Day Pre Conference	USD 450	Dr. Dindi	21 <sup>st</sup> - 22 <sup>nd</sup> September 2025
6.	Clay deposits and Paleo- glaciation of Mt. Kenya	Nairobi-Thika/Chania Falls- Chaka-Mukurweini	2 Day Pre Conference	USD 450	Prof. Ichang'i	21 <sup>st</sup> – 22 <sup>nd</sup> September 2025
7.	Workshop on UNESCO Global geoparks in Africa - Rift Valley & Western Regions of Kenya	NairobiNakuru-Kabarnet-Eldoret-Nandi Hills-Homa Bay-Back Via Narok	3 Day Post Conference	USD 600	Geol. Teopistor Sind	28 <sup>th</sup> ~ 30 <sup>th</sup> September 2025

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8.	The Tsavorite province of the Mozambique Belt, Recent Chyulu Hill Lava Flows and The Coastal Quaternary- Recent Sediments	Nairobi- Voi- Wundanyi- Mombasa- Kwale- Back	3 Day Post - Conference	USD 600	Prof. Mathu and Dr. Waswa	28 <sup>th</sup> - 30 <sup>th</sup> September 2025
9.	Archean Green stone belt of Kenya – Precious metals Mineralization of Kakamega Gold Belt	Nairobi- Kapsabet- Kakamega- Kisumu- Back	3 Day Pre - Conference	USD 600	Geol. Sang & Geol. Nyakinye	20 <sup>th</sup> - 22 <sup>nd</sup> September 2025
10	Kenya's geothermal Well fields	Nairobi- Naivasha- Nakuru- Loruk- Back	3 Day Post - Conference	USD 600	Dr. Anne Mwangi	28 <sup>th</sup> - 30 <sup>th</sup> September 2025
11	Nairobi National Park	Nairobi	Mid- Conference	Rate Only (USD 5 – 80)	To be assigned	26 <sup>th</sup> September 2025

## 4. Registration

Registration for the event must be done using the official event website, <https://cag30nbi.org/registration>. A printable form is also available which must be filled and returned via email to the organizing committee.

The categories for registration including their required investment amount are outlined below.

Groupings	Early Bird	Late	On site
GSAf & Affiliates	KES 30,000.00	KES 40,000.00	KES 40,000.00
GSK Members	KES 30,000.00	KES 40,000.00	KES 40,000.00
IUGS Members	KES 30,000.00	KES 40,000.00	KES 40,000.00
Accompanying Person	KES 15,000.00	KES 20,000.00	KES 20,000.00
Non- Members	KES 40,000.00	KES 45,000.00	KES 45,000.00
Students	KES 15,000.00	KES 20,000.00	KES 20,000.00

## 5. Abstract Submission

Abstract for oral and poster presentations are to be submitted using the <https://www.jotform.com/form/250271887685571>. The accepted language is English and



# EVENTS

those submitting bear the burden of having their material translated. The deadline for abstract submission is 30<sup>th</sup> March 2025.

Submissions must conform to the general conference theme, and it is acceptable to submit in any of the sub themes and sessions described below.

SUB- THEMES CAG30	SESSIONS (Including and not limited to):
T1. Trends in Development of Minerals in Africa	T1- S1 Strategic Mineral Resources in Africa
	T1- S2 Geopolitics of Critical Minerals: Africa's Role in Global Supply
	T1- S3 Artisanal and small- scale mining in Africa
	T1- S4 Policy and Governance in Mineral Resource Development
	T1- S5 Environment and Social Governance
	T1- S6 Circular Economy and SDGs
T2. Petroleum, Coal and Energy Resources Amidst Climate Change.	T2- S1 Petroleum resources in Africa
	T2- S2 Role of Fossil Fuels in Africa's Energy Transition to carbon neutral economies
	T2- S3 Nuclear Energy as a Low- Carbon Power Source
	T2- S4 Carbon Capture, Utilization, and Storage (CCUS): A Path to Decarbonization
T3. Geothermal Development Maximizing Geothermal Energy as a Key Green Energy Resource in Africa.	T3- S1 geothermal Exploration and development
	T3- S2 Role of the Mineral Industry in the Green Hydrogen Energy Economy
	T3- S3 Indirect utilization of Geothermal Energy
T4. Geoscience Education. The Role of Geoscience Education in Promoting Development and Sustainability.	T4- S1 Exploring Geoscience Education Across Africa
	T4- S2 Geoscience education and Outreach for All
T5. Sustainable Development of Groundwater Resources in Africa: Challenges and Mitigation Measures for a Better Tomorrow.	T5- S1 Hydrogeology and water sustainability under a changing climate
	T5- S2 Groundwater Quality
	T5- S3 Groundwater exploration
	T5- S4 Groundwater systems, modelling and Surface water interactions
	T5- S5 Hazards related to groundwater
	T5- S6 Managed Aquifer Recharge
T6. Geo heritage, Geodiversity and Geo tourism	T6- S1 UNESCO Global Geoparks
	T6- S2 Geo heritage and Geodiversity conservation and Management
	T6- S3 Paleoclimate and paleoenvironment reconstruction

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<b>T7. Mineral Resource Exploration: Tools and Techniques</b>	<b>T7- S1</b> Innovation and integrated approaches in Geophysics
	<b>T7- S2-</b> Advances in geochemical exploration techniques, data interpretation and integration
	<b>T7- S3</b> Geotechnical Techniques in mining
	<b>T7- S4</b> Mineral Resource Assessment
	<b>T6- S5</b> Sea Bed Mining
<b>T8. AI and Machine learning in Geosciences in Africa.</b>	<b>T8- S1</b> Data - Driven Discovery in Geoscience
	<b>T8- S2</b> General Topics
<b>T9. Pan African Orogeny, Plate Tectonics and Earth Processes</b>	<b>T9- S1</b> Pan African Orogeny
	<b>T9- S2</b> Tectonics and Earth Surface Processes in Shaping Africa's Landscape and Climate
	<b>T9- S3</b> The Impact of Plate Tectonics on Africa's Natural Resources
	<b>T9- S4</b> General hazards
<b>T10. Ore deposit geology of Africa (Mineral Resources and ore forming processes)</b>	<b>T10- S1</b> Metallogeny and Ore Deposits in Africa
	<b>T10- S2</b> Gold Deposits: Enhanced Discovery and Development
	<b>T10- S3</b> Geological characterization and ore genesis of critical metals
	<b>T10- S4</b> New analytical techniques and equipment applied to ore deposits
	<b>T10- 05</b> New Discoveries and Developments
<b>T11: Engineering Geology and Geo techniques and Geohazards</b>	<b>T11- S1</b> Cross disciplinary Geo techniques for infrastructure resilience
	<b>T11- S2</b> Natural Geohazards
	<b>T11- S3</b> Human induced Hazards
	<b>T11- S4</b> Outreach and ways to increase Hazard Preparedness
<b>T12 Investments and Finance</b>	<b>T12- S1</b> Investments and Finance
<b>T13 Cross cutting Themes</b>	<b>T13- S1</b> GIS and Remote Sensing Applications
	<b>T13- S2</b> Digital Innovations in Geo techniques
	<b>T13- S3</b> Geological Surveys collaborations
	<b>T13- S4</b> Gender in Geosciences



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## 6. Publications

CAG30 is considering modalities for publishing selected papers in the Africa Journal of Earth Sciences. In addition, the organizing committee is considering publication of extended abstracts and short notes from both the oral and poster presentations where such material have not been selected for the journal publication. An endeavor towards publishing the conference proceedings is also under consideration

## 7. Sponsorship Opportunities

CAG30 is offering splendid Sponsor opportunities promising high brand visibility ensuring your message reaches a ripe audience in its most crisp form. General benefits enjoyable by sponsors include:

- i. Profile and position the company as an industry leader
- ii. A cost and time- effective marketing exposure to boost your brand recognition
- iii. Showcase products and services to targeted decision- makers
- iv. Opportunity to learn more about the industry from experts
- v. Opportunity to set up stronger alliances and new partnerships
- vi. Network with hundreds of professionals offering opportunities throughout the conference
- vii. Key mentions in most events at the conference

### PLATINUM [USD 40,000]

Platinum sponsorships are reserved for industry leading organizations. Certain elements are only available as part of this package, ensuring its exclusivity and unique value. This package will accord your institution the following benefits;

- Prominent recognition as a Platinum sponsor for the 30th Colloquium of African Geology 2025, orally and on printed and digital signage.
- Ten [10] full passes to 10 individuals from your institution to attend the full conference.
- Placement of two [2] corporate banners (1x2) m of your institution in the main conference area.
- Institutional logo will be included in all CAG30 pre- conference press announcements as a Platinum Sponsor
- Institutional logo and website link on the GSAf and GSK websites for a period of one full year from September 2025 – September 2026.
- Two exhibition booths 3\*3 M
- Opportunity to place Branded promotional material from your institution in the conference bag.
- Introduction of the Key- note speaker

### GOLD [USD 30,000]

Gold sponsorship package offers high visibility branding, marketing and advertising opportunities throughout the conference. Elevate your company brand with this sponsorship package. This package will accord your institution the following benefits;

# EVENTS

- Recognition as a Gold sponsor for the CAG30 2025, orally and on printed and digital signage.
- Eight [8] full passes to 8 individuals from your institution to attend the full conference.
- Placement of two [1] corporate banner (1x2) m of your institution in the main conference area.
- Institutional logo and website link on the GSAf and GSK websites for a period of six full months from September 2025 – February 2026.
- 3 \* 3 M exhibition booth
- Opportunity to place Branded promotional material from your institution in the conference bag.

## **SILVER [USD 20,000]**

Participation as a silver sponsor offers an excellent way to raise your company's profile at the event with a combination of promotional, online visibility and content- related benefits combined into a value- priced package. This package will accord your institution the following benefits;

- Recognition as a Silver sponsor for the 30th Colloquium of African Geology 2025.
- Five [5] full passes to 5 individuals from your institution to attend the full conference.
- Placement of one [1] corporate Banner of your institution in the main conference area.
- Institutional logo and website link on the GSAf and GSK websites for a period of three months between October- December 2025.
- Exhibition booth 3\*3 M

## **BRONZE [USD 10,000]**

Participation as a Bronze sponsor offers the best window to raise your Institution/company's profile at the event through online visibility and limited advertisement. This package will accord your institution the following benefits;

- Oral Recognition as a Bronze sponsor for the 30<sup>th</sup> Colloquium of African Geology 2025.
- Three [3] full passes to 3 individuals to attend the full conference
- Placement of one corporate banner (1x2) m of your institution in the main conference area.
- Institutional logo and website link on the GSAf and GSK websites for a period of one-month 2025.

## **IVORY [USD 5,000]**

Participation as an Ivory sponsor offers a perfect avenue to raise your Institution/company's profile at the event through online visibility.

- Two [2] full passes to 2 individuals from your institution to attend the full conference.
- Institutional logo on the GSAf and GSK websites for a period of one- month 2025.
- Placement of one corporate banner (1x2) m of your institution in the main conference area.



# EVENTS

Other sponsorship opportunities are available as detailed below:

## **OUTDOOR ADVERTISING [USD 10,000]**

This allows the sponsor to assist the organizers in advertising the Conference. Being outdoor, it provides the Sponsor with increased brand visibility. Below are the benefits under this sponsorship:

- Certificate of recognition as one of the CAG30 Sponsors
- Sponsor recognition in the Conference Booklet
- Web listing on the CAG30 (The 30<sup>th</sup> Colloquium of African Geology) website with a link to your company's website
- Display the Sponsor's name and logo on screens in the Conference sessions
- Opportunity to display digital banners and other marketing collateral at the Conference venue
- Two (2) complimentary delegate passes
- Key mentions in the during the conference
- Acknowledgement in the post- conference key messages

## **EXHIBITION AREA [USD 10,000]**

This is the opportunity for one (1) or two (2) Sponsors to support the organizers in the construction of the exhibition area. It gives exclusive branding and marketing of the Sponsor's service or product as all delegates will visit the Exhibition area. The following are the benefits under this sponsorship:

- Certificate of recognition as one of the CAG30 Sponsors
- Sponsor recognition in the Conference Booklet
- Web listing on the CAG30 website with a link to the Sponsor's website
- Display the Sponsor's name and logo on screens in the Conference sessions
- Opportunity to display digital banners and other marketing collateral at the Conference venue
- Opportunity to display banners/stickers in the Exhibition area (along with the event logo) at the Exhibition area
- Two (2) complimentary delegate passes

## **CONFERENCE BAGS, NOTEBOOKS AND PENS [USD 20,000]**

The above items will be distributed to all the conference registrants in the registration area. This is also a long- lasting investment that participants will keep after the event, hence an exclusive branding opportunity. The following are the benefits under this sponsorship.

- Certificate of recognition as one of the CAG30 Sponsors
- Sponsor recognition in the Conference Booklet
- Web listing on the CAG30 website with a link to the Sponsor's website
- Display the Sponsor's name and logo on screens in the Conference sessions
- Opportunity to display digital banners and other marketing collateral at the Conference venue
- Your branding printed on the cover of the notepads (along with the Conference logo)
- Your logo printed on each sheet of the notebook (along with the Conference logo)

# EVENTS

- Sponsor's logo printed on the pen (along with the Conference logo)
- Your logo is printed on the Conference bag (along with the event logo)
- Acknowledgement in the post- conference key messages
- Four (4) complimentary delegate passes

## CONFERENCE LANYARDS [USD 5,000]

Every attendee will wear a Conference name badge, and the Lanyard (neck string/strap) will be prominently around every delegate's neck. By including the Lanyard Sponsor's logo on the lanyard, the GSAF (Geological Society of Africa) and GSK (Geological Society of Kenya) logos, the Lanyard Sponsor will thus enjoy high brand visibility during the Conference. The following are the benefits under this sponsorship:

- Certificate of recognition as one of the CAG30 Sponsors
- Sponsor recognition in the Conference Booklet
- Web listing on the CAG30 website with a link to the Sponsor's website
- Display the Sponsor's name and logo on screens in the Conference sessions
- Opportunity to display digital banners and other marketing collateral at the Conference venue
- Sponsor's company logo will be displayed on the Conference Lanyards worn by at least all attendees during the Conference, thus providing maximum branding impact
- One (1) complimentary delegate pass

## CONFERENCE DINNER [USD 20,000]

- Certificate of recognition as one of the CAG30 Sponsors
- Sponsor recognition in the Conference Booklet
- Web listing on the CAG30 website with a link to your company's website
- Display the Sponsor's name and logo on screens in the Conference sessions
- Opportunity to display digital banners and other marketing collateral at the Conference venue
- Key mentions in most events during the Conference
- Opportunity to brand the dinner menu/tables/chairs
- Four (4) complimentary delegate passes;

## STUDENTS SPONSORSHIP [USD 10,000]

Sponsorship under this category will facilitate 10 Students from universities and technical colleges to attend the conference. The Sponsorship will include transport to the Conference, accommodation on half- board basis, an out- of- pocket allowance and conference registration fees.

- Certificate of recognition as one of the CAG30 Sponsors
- Sponsor recognition in the Conference Booklet
- Web listing on the CAG30 website with a link to the Sponsor's website
- Display the Sponsor's name and logo on screens in the Conference sessions
- Opportunity to display digital banners and other marketing collateral at the Conference venue



# EVENTS

- Opportunity to display banners/stickers in the Exhibition area (along with the event logo) at the Exhibition area
- Two (2) complimentary delegate passes

## OTHER SPONSORSHIP ITEMS

- Accreditation and Registration (USD 1,000)
- Conference Report/ Proceeding (USD 1,000)
- Conference Entertainment and Cultural Events (USD 1,000)
- Hospitality (USD 1,000)

*All to be included in conference booklet*

If you would like to partner to make this event a success, please contact the GSK secretariat on TEL +254791308357, email [cag30info@cag30nbi.org](mailto:cag30info@cag30nbi.org) or Geol. Dr. Anna Mwangi TEL +254721682675 email [treasurer@cag30nbi.org](mailto:treasurer@cag30nbi.org)

## 8. General Information

### VISA

All visitors including infants and children who intend to travel to the Republic of Kenya must have an approved Electronic Travel Authorization (ETA) **before** the start of their journey. For more information on visa requirements to visit Kenya, see <https://etakenya.go.ke/en>. The secretariat will provide an invitation letter for visa purposes to delegates who have paid the full registration fee.

### Venue

CAG30 will be hosted at The Safari Park Hotel, along Thika Road Superhighway. Safari Park Hotel is rated amongst the best hotels in Nairobi. The Hotel is renowned as a famous resort and Africa's largest and most exciting conference destination.

An oasis of tranquility in the heart of Nairobi, Safari Park Hotel blends stylish elegant African architecture with luxurious accommodation; sparkling water gardens, an inland beach, beautifully landscaped gardens and a wide selection of five specialty restaurants.

### Accommodation Contact

The CAG30 Secretariat can be reached for any information at the following address: [cag30info@cag30nbi.org](mailto:cag30info@cag30nbi.org) or [cag30.nbi@gmail.com](mailto:cag30.nbi@gmail.com)

## 9. Organizing committee

Prof. Olugbenga Okunlola: President GSAf  
 Dr. Adama Sangare: Secretary General  
 Dr. Asfawossen Asrat: Treasurer  
 Prof. Prosper M. Nude: Membership secretary  
 Dr Daniel Kwayisi: Editor/Information Officer  
 Prof. Yao Agbossoumonde: Vice- President (West)  
 Prof. Beneah Daniel Odhiambo: Vice- President (East)

# EVENTS

Prof. Nasrddine Youbi: Vice- President (North)  
 Mrs. Anna Karen Nguno: Vice- President (South)  
 Dr. Bongwele Onanga Guyghens: Vice- President (Central)  
 Mr Jean- Claude Ngaruye: Councillor (East)  
 Dr Kholoud Mohamed: Councillor (North)  
 Mr. Paulo Tanganha: Councillor (South)

## 10. Local Organizing Committee

Geol. Joseph Ng'ang'a Kuria - Chair  
 Geol. Dr Margaret Maimba - Co- Chair  
 Geol. Dr. Christine Omuombo -Vice- President GSK  
 Geol. Prof.Beneah Odhiambo-Vice-president GSAF E. A Region  
 Geol. Prof. Edwin Dindi - The University of Nairobi  
 Geol. Prof. Eliud Mathu - South Eastern Kenya University  
 Geol. James Alex Nyandigisi - Secretary GSK  
 Geol. Dr. Anna Mwangi - Treasurer GSK  
 Geol. Charles Kithome - Makueni County  
 Geol. Joseph Otieno - Commissioner of Petroleum  
 Geol. Enock Kipseba - Secretary, Geological Survey  
 Geol. Evans Masachi - Office of the Head of Public Service  
 Geol. Chrispus Sang - Shanta Gold Kenya  
 Geol. Dr Lydia Olaka - Senior Council Member, GSK  
 Geol. Dr Samson Oiro - Vice Secretary, GSK  
 Geol. Edmond Makhanu - Senior Council Member, GSK  
 Geol. Hillary Koech - Vice Treasurer, GSK  
 Geol. Mike Karanja- Energy and Petroleum Regulatory Authority  
 Geol. Teopistor Sind - Ministry of Mining, blue Economy and Maritime Affairs  
 Geol. Dr Stephen Okoth Owour - Ministry of Water sanitation and Irrigation  
 Geol. Josky Kisali - State Department for Petroleum  
 Geol. Eliud Wamwangi - Senior Consulting Geologist

## Advisory committee

Prof Aberra Mogessie  
 Prof. Olugbenga Okunlola  
 Mrs. Anna Nguno  
 Prof. Maina Gichaba

## 11. Scientific, Documentation and Technical Committee

### a) Local Committee

Geol. Dr. Olaka - Lead, The Technical University of Kenya  
 Geol. Prof. Edwin Dindi - The University of Nairobi  
 Geol. Prof. Zack Kuria - The Technical University of Kenya  
 Geol. Dr. Christine Omuombo - Vice President GSK, Technical University of Kenya  
 Geol. Dr. Isaac Kanda - Geothermal Development Company



# EVENTS

Geol. Dr. Gladys Kianji - Lecturer at the University of Nairobi  
 Geol. Godwin Mzumbi - State Department for Mining  
 Geol. Teopistor Sind - State Department for Mining  
 Geol. Martin Nyakinye - State Department for Mining  
 Geol. Charity Cheruiyot - Energy and Petroleum Regulatory Authority  
 Geol. Grace Nyokabi - State Department for Mining  
 Geol. Dr. Stephen Okoth - Ministry of Water, Sanitation and Irrigation  
 Geol. Collins Asseto - Head of Exploration in East Africa at Marula Mining  
 Geol. Lorna Njanja - State Department for Mining  
 Geol. Moses Misongo - The University of Nairobi

## b) Preliminary International Scientific Committee

- |  |   |
|--|---|
| 1. Prof. Youssef Driouch, Morocco          | 25. Dr. George Mavunga, South Africa    |
| 2. Prof. Olugbenga Okunlola, Nigeria       | 26. Mr. Motsamai Kwadiba, Botswana      |
| 3. Dr. Paul Macey, South Africa            | 27. Prof. Mohammed Belkasmi, Morocco    |
| 4. Prof. Paul F. Hoffman, Canada           | 28. Prof. Mohammed Bouabdellah, Morocco |
| 5. Dr. Aline Melo, Ireland                 | 29. Prof. Hasnaa Chennaoui, Morocco     |
| 6. Prof. Wladyslaw Altermann, South Africa | 30. Prof. Omar Saddiqi, Morocco         |
| 7. Dr. Koen Torremans, Ireland             | 31. Prof. Nasrddine Youbi, Morocco      |
| 8. Dr. Murray Hitzman, Ireland             | 32. Dr. Ben Goscombe, Australia         |
| 9. Dr. Assinne Tshibubudze, South Africa   | 33. Prof. Reiner Klemm, Germany         |
| 10. Mr. Tunde Muritala Arisekola, Nigeria  | 34. Prof. Joachim Jacobs, Germany       |
| 11. Prof. Read Mapeo, Botswana             | 35. Mr. Bob Felix Ocitti, Uganda        |
| 12. Prof. Lopo Vasconcelos, Mozambique     | 36. Dr. Maideyi Meck, Zimbabwe          |
| 13. Dr. Felix Toteu, Cameroon              | 37. Prof. Prosper M. Nude, Ghana        |
| 14. Dr. Thomas, Fullgraf, France           | 38. Prof. Nasrddine Youbi, Morocco      |
| 15. Dr. Bob Thomas, South Africa           | 39. Dr. Tamer Abu Alam, Egypt           |
| 16. Dr. Thomas Muedi, South Africa         | 40. Mr. Paulo Tanganha, Angola          |
| 17. Prof. Ezzoura Errami, Morocco          | 41. Mr. Adama Sangare, Mali             |
| 18. Prof. Patrick Ledru, France            | 42. Dr. Kholoud Mohamed, Egypt          |
| 19. Prof. Harald Stollhofen, Germany       | 43. Mr. Léon Bora Uzima Bahavu, DRC     |
| 20. Ms. Michelle Grobbelaar, South Africa  | 44. Prof. Beneah Odhiambo, Kenya        |
| 21. Dr. Vunganai Midzi, South Africa       | 45. Prof. Yao Agbossoumonde, Togo       |
| 22. Dr. Brassnavy Manzunzu, South Africa   | 46. Mr. Jean- Claude Ngarure, Rwanda    |
| 23. Prof. Raymond Durrheim, South Africa   | 47. Prof. Asfawossen Asrat, Botswana    |
| 24. Dr. Atalay Ayele, South Africa         | 48. Prof. Mku Ityokumbul, USA           |
|  | 49. Prof. Nellie Mutemeri, South Africa |
|  | 50. Dr. Oliver Maponga, Zimbabwe        |

# EVENTS

51. Dr. Galen P. Halverson, USA
52. Prof. Alex Kisters, South Africa
53. Prof. Francis A. Macdonald, USA
54. Prof. Christie Rowe, Canada
55. Dr. Roger Smith, South Africa
56. Prof. Brigitte Senut, France
57. Dr. Martin Pickford, France
58. Dr. John Ward, South Africa
59. Prof. Fred Kamona, Zambia
60. Ms. Amna Ali, Sudan
61. Prof. Gregor Borg, Germany
62. Prof. François Guillocheau, France
63. Dr. S'lindile Buthelezi- Wela
64. Prof. Aberra Mogessie, Austria/Ethiopia
65. Dr. Rhokaya Simbine, Senegal
66. Prof. Mike Peterson, UK
67. Dr. Ish Natarajan, France
68. Prof. M. N. Tijani, Nigeria
69. Prof. A.S. Olatunji, Nigeria
70. Prof. U.A. Dambatta, Nigeria
71. Prof. Sam Dampare, Ghana
72. Prof. E. Arhin, Ghana
73. Prof. Dan Asiedu, Ghana
74. Prof. C. S. Nwajide, Nigeria
75. Prof. Mosto Onuoha, Nigeria
76. Prof. Ben Manpani, Namibia
77. Prof. E. Tse, Namibia
78. Dr. Absai Vatuva, Namibia
79. Dr. Gabi Schneider, Namibia
80. Mrs. Helke Mocke, Namibia
81. Dr. Ester Shalimba, Namibia
82. Dr. Gilbert Chongwain
83. Dr. Ansgar Wanke, Namibia
84. Mr. Aphary Muyongo, Namibia
85. Mr. Israel Hasheela, Namibia







**African Minerals and Geosciences Centre (AMGC)**

**KUNDUCHI CERAMICS**

*Choose Kunduchi Ceramics*

DECORATE YOUR TABLE WITH HANDMADE CERAMICS

We, the Ceramics Unit of AMGC, provide high quality ceramics at a fair price, reflecting nature's best! We concentrate on household items in complete sets, such as bowls, mugs, cups, plates, flower vases, candleholders and ashtrays. As a principle we only use locally available materials.

AMGC - African Minerals and Geosciences Centre is an inter-governmental organisation based in Dar es Salaam, Tanzania.

Your individual ceramics: It is possible to order individual designs with names, company logos, special drawings or designs. Due to the nature of this order there will be a minimum order requirement.

AMGC will consider other smaller quantities subject to prior confirmation. For further information please also contact Mr. Lucas Kalombola at +255738936934 or lucas@seamc.org

Website: [www.seamc.org](http://www.seamc.org) | Email: [seamc@seamc.org](mailto:seamc@seamc.org) | Tel: +255222850347 | Mob: +255707 345 793

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 posted on our website. The quality of handmade items is very good, resisted, and safe to use in microwaves, dish washer, and ovens. Our products are requested by hotels and diplomatic missions in Tanzania.

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. All costs for transport and related customs taxes should be incurred by customers.

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





COFFEE MUG LARGE



FISH PLATE



COFFEE MUG



LARGE SERVING BOWL



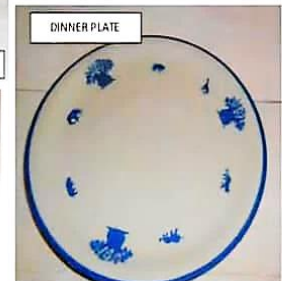
BOWL WITH LID



1. FLOWER VASE, 2. FLOWER VASE, 3. MILK JAR, 4. WINE GOBLET



EGG CUP



DINNER PLATE



1. WATER COOLER, 2. FLOWER VASE MEDIUM, 3. TEA CUP, 4. BUTTER DISH, 5. SUGAR CONTAINER, 6. CEREAL BOWL, 7. DINNER PLATE, 8. TEA POT SMALL

BLUE COLOUR



TWIG TEA POT

TEA POT BLUE



CEREAL BOWL



ASH TRAY



SIDE PLATE



CEREAL BOWL

SIDE PLATE

DINNER PLATE



NGALAWA BOWL



TWIG TEA POT



FLOWER VASE MEDIUM

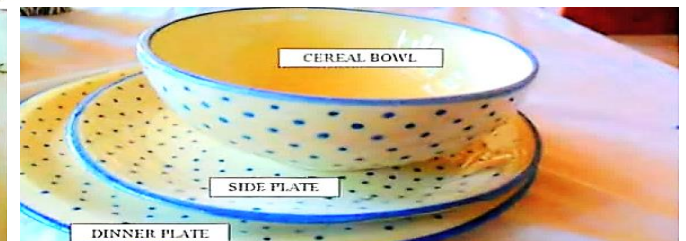
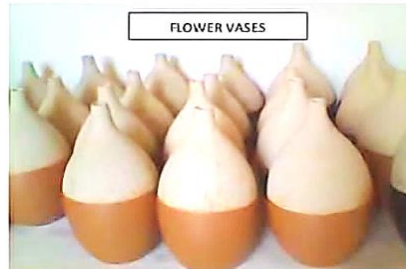


CEREAL BOWL





## KUNDUCHI CERAMICS - AMGC



# New Courses



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

1

new training courses

2

Gemstone/Mineral Estimation and Valuation

3

Jewelry Design

[www.seamic.org](http://www.seamic.org)

[matokeo@seamic.org](mailto: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 facilitated 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 organized 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 Grade.**



## **1. Introduction to Oil and Gas Industry**

**DURATION: One Week**

**Course fee: US\$ 1,200**

This course is designed for a wide-ranging of petroleum industry personnel. It is 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 can be 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 is 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**

**Mr. Matokeo Simba**  
**Ag. Manager, Geo Information Department**  
**Kunduchi beach Area**  
**P.O.BOX 9573**  
**DAR ES SALAAM, TANZANIA**  
**Phone +255 (0) 22-2650347**  
**+255 753 008 390**  
**EMAIL: [matokeo@seamc.org](mailto:matokeo@seamc.org)**  
**[ubarikiwmatokeo@gmail.com](mailto:ubarikiwmatokeo@gmail.com)**  
**WhatsApp +255 753 008 390**  
**Web [www.seamic.org](http://www.seamic.org)**





## LIST OF TRAINING COURSES

<b>Finance and Administration Department (FAD)</b>		
<b>Leadership and Management Skills</b>	2 Weeks	\$1,500
<b>Financial Management Skills</b>	2 Weeks	\$1,500
<b>Executive Secretarial Skills</b>	2 Weeks	\$1,500
<b>Chemical and Environmental Department (CED)</b>		
<b>Spectrometric Methods of Analysis.</b>	2 Weeks	\$800
<b>Analysis of Gold and Other Base Metals</b>	2 Weeks	\$800
<b>Modern Laboratory Management Method</b>	2 Weeks	\$1,500
<b>Quality Management Section (QM)</b>		
<b>Laboratory Certification and Accreditation</b>	2 Weeks	\$1,500
<b>Modern Laboratory Management Methods</b>	2 Weeks	\$1,500
<b>Quality Control and Quality Assurance in Laboratories</b>	2 Weeks	\$1,500
<b>Laboratory Safety and Security</b>	2 Weeks	\$1,500
<b>Mineralogy, Petrology and Gemology Department (MPGD)</b>		
<b>Mineralogical and Petrological Sample Preparation and Analytical Techniques</b>	2 Weeks	\$800
<b>Gemstone Identification Techniques</b>	1 Week	\$400
<b>Gemstone Value Addition Techniques</b>	2 Weeks	\$800
<b>Usage of Benchtop X-ray Diffraction (XRD)</b>	2 Weeks	\$800
<b>Gemstone formation, mode of occurrences and mining methods</b>	2 Weeks	\$800
<b>Industrial Minerals Application Department (IMAD)</b>		
<b>Pottery for Beginners</b>	2 Weeks	\$800
<b>Mould Making</b>	2 Weeks	\$800
<b>Forming Techniques</b>	2 Weeks	\$800
<b>Decorations in Pottery and Ceramics</b>	2 Weeks	\$800
<b>Bricks &amp; Tiles Manufacturing [Clays]</b>	2 Weeks	\$800
<b>Glaze Formulation</b>	2 Weeks	\$800
<b>Body Composition Formulation</b>	2 Weeks	\$800





<b>Mineral Processing and Small-scale Mining Department (MPSSMD)</b>		
<b>Practical Mineral Processing and The Basic Mineral Processing Flowsheet</b>	2 Weeks	\$800
<b>Sampling and Sample Preparation for Laboratory Testing</b>	2 Weeks	\$800
<b>Artisanal and Small-Scale Mining Activities</b>	2 Weeks	\$800
<b>Techniques of Gold Cyanidation</b>	1 Week	\$800
<b>Mineral Economics</b>	2 Weeks	\$800
<b>Metallurgical Balance and Process Evaluation</b>	2 Weeks	\$800
<b>Extractive Metallurgy – Metallic Ore Deposits, Metal Extraction and Purification Processes</b>	2 Weeks	\$800
<b>Environmental Management in Mining</b>	1 Week	\$400
<b>Geo-information Department (GID)</b>		
<b>GIS and Remote Sensing for Mineral Exploration and Geological Mapping</b>	2 weeks	\$800
<b>Best Practices in Mineral Resource Estimation</b>	1 week	\$400
<b>Geodatabase Development for Web mapping</b>	2 weeks	\$800
<b>GIS and Remote Sensing Application for Geohazards</b>	1 week	\$400
<b>Integrated Mineral Exploration Techniques</b>	2 weeks	\$800
<b>GIS and Remote Sensing for Hydrological Applications</b>	1 week	\$400
<b>Open-Source GIS</b>	2 weeks	\$800
<b>Geochemical Exploration and Mapping</b>	2 weeks	\$1,200
<b>Structural Geology and Geotectonics in Mineral Exploration</b>	2 weeks	\$1,200
<b>Fundamental of Petroleum Economics</b>	1 week	\$1,200
<b>Geostatistical Mineral Resource Estimation</b>	1 week	\$1,700
<b>Introduction to Oil and Gas Industry</b>	1 week	\$1,200
<b>Geostatistics for Mining - foundation Course</b>	2 weeks	\$2,000
<b>Prospect Evaluation: Volumetric and Risk Analysis</b>	2 weeks	\$2,000



## MINERALOGY, PETROLOGY AND 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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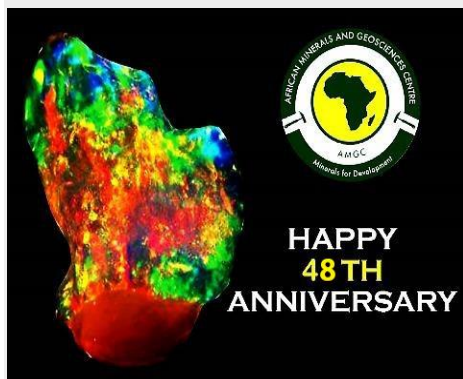
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