



AMGC News

Director General's Message



We hope all our readers entered the new year safe and sound. We started the new year 2022 with a training course for eleven Sudanese geologists from a Sudan Mineral Resources Company (SMRC). We also organized another training course for a Tanzanian national from the Ministry of Minerals of

Tanzania in Kigoma region. During the month the Director General continued his consultation with potential customers and partners in Sudan for discussion on services to be provided and future collaboration with AMGC. The visit of the Director General in this regard included the Sudanmin Mining Company and the Sudan Gold Refinery Company. AMGC wishes all readers of our Newsletter a prosperous year 2022.

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Courtesy Visit to the Sudanmin Company Limited's Head Office in Khartoum, Sudan



The Director General of the African Minerals & Geosciences Centre (AMGC), paid a courtesy visit to the Sudanmin Company Limited's Head Office in Khartoum, Sudan. The Director General, AMGC briefed the Management of the company on the development and mineral services provided by the Centre. Fruitful discussions were held with Dr. Suliman Ahmed, the Director General and his senior executive assistants. The Management of the Sudanmin Company Limited expressed their high interest to visit soon AMGC and see how to benefit from the spectrum of mineral services provided, particularly human capacity building services through on job training courses at AMGC's premises in Dar es Salaam, Tanzania.

Sudanmin Company Limited is a government affiliated firm established in 2012, as a joint venture between the Ministry of Finance & National Economy and the Bank of Sudan. It is mandated to contribute effectively in developing and strengthening the mining sector in addition to provision of mining services for supporting the national economy through investment and commercialization of the mining sector.

The company works in the field of treating, recycling and re-processing of gold mine tailings, mitigate the impact of artisanal and small-scale mining (ASM) on environment. It is also involved in developing- marketing of minerals internally and externally, and establishing laboratories to examine samples and control quality to facilitate the analysis of mineral samples locally. In addition to work in the field of importing and manufacturing all equipment used in prospection, exploration and extraction of minerals and metals after obtaining the approval of the competent authorities. It works also as an agent for international mining companies in all fields related to mining and related activities.

Dar es Salaam Institute of Technology (DIT) Students Study Tour



On 5th January 2022, a group of 40 undergraduate students pursuing Bachelor of Science in Mining Engineering from Dar es Salaam Institute of Technology (DIT) accompanied by their instructors visited African Minerals and Geosciences Centre (AMGC) specifically to Industrial Minerals Application Department (IMAD). The study tour focused on Industrial Minerals Value Addition. The tour also opened a discussion for the future collaborations between DIT and AMGC on pottery and ceramic technology and use of AMGC laboratories for research.

Training on GIS and Remote Sensing for Mineral Exploration and Geological Mapping



The African Minerals and Geosciences Centre (AMGC) carried out a two weeks training to Mr. David William Ndossy who is a Geologist at the Ministry of Minerals of Tanzania in Kigoma region. The training was on GIS and Remote Sensing for Mineral Exploration and Geological Mapping held from 14 to 26 January 2022. The training was conducted by Geo-information Department of AMGC.

Training on Methods of Exploration for Geochemical Mapping



Graduation ceremony at African Minerals and Geosciences Centre (AMGC) for eleven (11) geologists from Sudanese Mineral Resource Company (SMRC), Sudan who participated in a two-weeks training course on “Methods of Exploration for Geochemical Mapping” from 3-14 January 2022. The trainees were; Mr. HASSAN HUSSAIN YOUSIF BASHARAIN, Mr. AHMED JADALLA FDLALSEED MOHMMED, Mr. SELEIMAN ADAM ABDALLA AHMED, Ms. ISRA MOHAMED ABDALLA YAGROUP, Ms. NOSIBA ABDELWAHID AHMED ELBASHEIR, Mr. AMIR MOHAMED KURTOKELA SALIH, Mr. HASHIM GUMA BIRO TURK, Mr. MUDATHIR ABDALLA ADAM MOHAMED, Mr. SIRAGELDEN DOLMAN KABASHI AWISHA, Mr. BAHAELEEN NIMER TEYA KHAIRI, Mr. WALEED OMER BAHAR ARBI. The ceremony was officiated by H.E. Mr. Asm Mustafa, the Charge' affairs a.i. of the Sudan Embassy in Dar es Salaam, Tanzania. The training was conducted by Geo-information Department of AMGC in collaboration with the Department of Geology of the University of Dar es Salaam (UDSM).

A Familiarization Visit to Sudan Gold Refinery Company Limited in Khartoum industrial area, Sudan



Mr. Ibrahim Shaddad, the Director General of the African Minerals & Geosciences Centre (AMGC), paid a familiarization visit to Sudan Gold Refinery Company Limited in Khartoum industrial area, Sudan. The refinery was established in 2012, as a joint venture between Bank of Sudan, Ministry of Minerals and Ministry of Finance & National Economy. The company is mandated to produce high quality refining services of precious metals, value addition in the Gold Industry and maintain part of Bank of Sudan reserves in form of gold.

The Sudan Gold Refinery Company Limited maintains a high quality chemical refinery and complete precious metals melting and casting system made up of various components and state of art assay laboratory from Italy and Germany. Sudan Gold Refinery staff combines well experienced professionals and technicians in precious metals refining, casting, assaying, financial and banking to meet high standard services and products. The Refinery receives the ore gold from all customers and hand them over as a



refined gold with its caliber determined by the modern reliable technologies on the same day. The company offers its staff best quality on job training opportunities and four of its professionals in geochemistry were already trained in AMGC premises in Dar es Salaam, Tanzania and more trainees are expected to come soon.

The Director General of AMGC briefed the Management of the company on the development and mineral services provided by the Centre. Fruitful discussions were held with Dr. Mustafa Albkri Karar, the General Manager and his senior executive assistants. The Management of the Sudan Gold Refinery Company Limited expressed their high interest to visit soon AMGC as well as to pay a visit for collaboration to Mwanza Precious Metals Refinery Company Ltd, Tanzania where a number of Sudanese experts are working.

APPRECIATIONS



The Management of African Minerals and Geosciences Centre (AMGC) wish to take this opportunity to thank Hon. Prof. Shukrani Manya, for the leadership during his tenure as Deputy Minister for Minerals of Tanzania.

We look forward to continued working relationship with him as well as seeking his advice especially on mining issues.



The Management of African Minerals and Geosciences Centre (AMGC) wish to take this opportunity to thank Prof. Simon Msanjila for the leadership during his tenure as Permanent Secretary at the Ministry of Minerals of Tanzania.



The Management of African Minerals and Geosciences Centre (AMGC) wish to take this opportunity to thank Mrs Enatfenta Melkau Gebre former Director General of Geological Survey of Ethiopia (GSE) for the leadership during her tenure as Director General of the Geological Survey of Ethiopia. Looking forward to continued working relationship with her as well as seeking her advice especially on geosciences, environment and mining issues.

CONGRATULATIONS



The Management of African Minerals and Geosciences Centre (AMGC) has the honor to congratulate Hon. Dr. Steven L. Kiruswa (MP) for being appointed Deputy Minister for Minerals of Tanzania.



The Management of African Minerals and Geosciences Centre (AMGC) has the honor to congratulate Mr. Adolf H. Ndunguru, for being appointed Permanent Secretary of the Ministry of Minerals of Tanzania.



The Management of African Minerals and Geosciences Centre (AMGC) has the honor to congratulate Mr. Msafiri L. Mbibo for being appointed Deputy Permanent Secretary of Minerals of Tanzania.



The Management of African Minerals and Geosciences Centre (AMGC) has the honor to congratulate Dr. Dejene Hailemariam for being appointed Director General of the Geological Survey; Ministry of Mines and Petroleum of Ethiopia.

CONGRATULATIONS



Congratulatory Message to Dr. Hussein Hassan, the Representative of AUC in the African Minerals and Geosciences Centre (AMGC) Policy Organs. According to the new structure of AUC which has been adopted recently, the new title of Dr. Hussein is Head of Industry, Innovation and Mineral Resources. Under his portfolio also the files of SMEs Standard and Quality as well as Oil and Gas

Visit of Staff from Noosh Mining Company, Sudan-Tanzania



The African Minerals & Geosciences Centre (AMGC) Visit of Staff from Noosh Mining Company, Sudan-Tanzania. They requests analysis of rock samples for gold from a site in Southern Highlands of Mbeya Region, Tanzania.

EVENTS



Tanzania Mineral and Mining Investment Conferences – Dar 21st – 24th February 2022

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LIST OF TRAINING COURSES

“Tanzanian government has waived all restrictions and the COVID-19 Free Certificate will not be required anymore, but travelers will be subject to enhanced screening for COVID-19 infection. There will not be Mandatory Quarantine upon arrival.” AMGC is happy to inform all that it has started online training on some of the courses it provides. Below is the list of the training courses offered by AMGC.

Those who are interested to participate in the training courses at AMGC facilities are advised to consult the airline they plan to travel with about the current requirements of travel to Tanzania when planning the trip to Dar es Salaam.

Training Topics	Onsite	Online	Duration	Fee
Chemical and Environmental Services				
Spectrometric Methods of Analysis.	✓		2 Weeks	\$800
Analysis of Gold and Other Base Metals	✓		2 Weeks	\$800
Quality Management				
Laboratory Certification and Accreditation	✓	✓	2 Weeks	\$1,500
Modern Laboratory Management Methods	✓	✓	2 Weeks	\$800
Quality Control and Quality Assurance in Laboratories	✓	✓	2 Weeks	\$1,500
Mineralogy, Petrology and Gemmology Services				
Mineralogical and Petrological Sample Preparation and Analytical Techniques	✓		2 Weeks	\$800
Gemstone Identification Techniques	✓		1 Week	\$400
Gemstone Value Addition Techniques	✓		2 Weeks	\$800
Usage of Benchtop X-ray Diffraction (XRD)	✓		2 Weeks	\$800
Gemstone formation, mode of occurrences and mining methods	✓		2 Weeks	\$800
Industrial Minerals Application Services				
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 & Tiles Manufacturing [Clays]	✓		2 Weeks	\$800
Glaze Formulation	✓		2 Weeks	\$800
Body Composition Formulation	✓		2 Weeks	\$800

Online Training Courses

Mineral Processing and Small-scale Mining Services				
Practical Mineral Processing and The Basic Mineral Processing Flowsheet	✓	✓	2 Weeks	\$800
Sampling and Sample Preparation for Laboratory Testing	✓		2 Week	\$800
Artisanal and Small Scale Mining Activities	✓		2 Weeks	\$800
Techniques of Gold Cyanidation	✓		1 Week	\$400
Mineral Economics	✓		2 Weeks	\$800
Metallurgical Balance and Process Evaluation	✓		2 Weeks	\$800
Extractive Metallurgy – Metallic Ore Deposits, Metal Extraction and Purification Processes	✓		2 Weeks	\$800
Environmental Management in Mining	✓	✓	1 Week	\$400
Geo-information Services				
GIS and Remote Sensing for Mineral Exploration and Geological Mapping	✓	✓	2 weeks	\$800
Data Integration and Mineral Targeting	✓	✓	2 weeks	\$800
Geostatistics Application in Geology	✓	✓	2 weeks	\$800
Web mapping	✓	✓	2 weeks	\$800
Geohazards	✓	✓	1 week	\$400
Open Source GIS	✓	✓	2 weeks	\$800
Image Processing using ERDAS Imagine	✓	✓	2 weeks	\$800
Geoheritage / Geoparks	✓		On Request	
Geo-safari – Geo-traverse across the Pan-African terrains: Tanzanian Craton, Greenstone belt, East African Rift Valley, the Kibaran and Mozambique belts.	✓		On Request	



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INDUSTRIAL MINERALS APPLICATION SERVICES

The main function of the Industrial Minerals application Department is to carry out Research & Development in product development and evaluation of the industrial minerals potential of the member states of AMGC as well as to assess their applicability mainly in ceramic and related fields.

TRAINING

The Department conducts, practical courses with basic lessons in clay technology, pottery and ceramics.

The courses are designed for women and men interested in acquiring the basic know-how and skills in ceramics and pottery technology and its allied products.



Participants from Jamaica on Ceramic and pottery training



Forming by throwing

PRODUCTION OF TABLE WARES



Finishing of products



Forming by slip casting



Artist decorating wares

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