



# AMGC News

## Director General's Message



In the month of October, we carried out three training courses involving Geoinformation, Chemical & Environmental, and Minerals Processing & Small-scale Mining Departments. The training courses provided to 16 participants from Sudan and one participant from Tanzania. Training courses were: GIS and Remote Sensing Applications for Geological Hazards, Methods of Exploration for Geochemical Mapping, and Processing and Recovery of Gold. An expert resource person in Geochemistry from University of Dar es Salaam, School

of Mines and Geosciences was also involved in the training course on Methods of Exploration for Geochemical Mapping. H.E. the Charge D'affairs of the Embassy of Sudan in Dar es Salaam, Tanzania honored the certificate ceremony of Methods of Exploration for Geochemical Mapping training course, while the Chairman of the Sudanese community in Dar es Salaam honored the certificate ceremony of GIS and Remote Sensing Applications for Geological Hazards. The Director General also received delegation of BGR of Germany and ICGLR's AFP Management Unit in Burundi to discuss the working relationship between ICGLR/BGR and AMGC.

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## Training on GIS and Remote Sensing Applications for Geological Hazards



Certificates ceremony handout to eight (08) professionals from the Geological Research Authority of Sudan (GRAS), Ministry of Minerals, who completed a training course on GIS and Remote Sensing Applications for Geological Hazards. The Sudanese course participants are:- Mr. Mohamed Eltahir Mohamed Abdelaziz, Mr. Nasir Khalfalla Abdalla Mohammed, Mr. Elmurtada Ibnomer Idrees Mohamed, Mr. Mudrik Hussien Osman Hussien, Mr. Edriss Omer Salih Mohammed, Mr. Abdalla Abdalla Bakhit Abdalla, Mr. Fahd Daffallah Ahmed Mohammed and Mr. Ismail Twakkul Ahmed Fadol. The course was held from 4<sup>th</sup> to 8<sup>th</sup> October 2021 at the AMGC premises in Kunduchi Beach Area, Dar es Salaam, Tanzania. The certificate ceremony was attended by two guest of honours who are: - Engineer Mr. Ismail M. Mahgub, who is the chairman of the Sudanese community in Dar es Salaam and Engineer Mr. Musaab Alturabi, a Sudanese business man in Tanzania. Mr. Ismail held a dinner farewell party for the trainees at SeaCliff Resort, Dar es Salaam and attended by the H.E. Mr. Asm Mustafa, the Charge' d'affairs a.i. of the Sudan Embassy in Dar es Salaam, Tanzania.



## Training on Methods of Exploration for Geochemical Mapping



Certificates ceremony handout to eight (08) professionals from the Geological Research Authority of Sudan (GRAS), Ministry of Minerals, who completed a training course on Methods of Exploration for Geochemical Mapping from 11<sup>th</sup> to 15<sup>th</sup> October 2021 at the AMGC premises in Kunduchi Beach Area, Dar es Salaam, Tanzania. The ceremony was attended by the guest of honour H.E. Mr. Asm Mustafa, the Charge' d'affaires a.i. of the Sudan Embassy in Dar es Salaam, Tanzania. The Sudanese course participants were:- Mr. Adam Bdelrhman Adam Abdalla, Mr. Abdalla Babiker Ahmed Hameety , Mr. Gareepallh Nasir Mohammed Idris , Mr. Mahadi Abdalla Ahmed Hano, Mr. Amin Ismail Mohamed Sheikheldin, Mr. Beraima Ibrahim Beraima Elnemer, Mr. Abubaker Mattar Ahmed Eltayeb and Mr. Esmaeel Osman Khogali Hassan.

The course was facilitated by Dr. Emmanuel Kazimoto, Head of Department of Geosciences and School of Mines at the University of Dar es Salaam (UDSM), Tanzania. Dr. Emmanuel is a resource expert in geochemistry in relations to its application to mineral exploration.

## Training Course on the Processing and Recovery of Gold



Certificates ceremony handout to Mr. Ibrahim Yasin Osman, who is a Tanzanian Engineer participated in training course on Processing and Recovery of Gold from 11<sup>th</sup> to 15<sup>th</sup> October 2021 at the AMGC premises in Kunduchi Beach Area, Dar es Salaam, Tanzania.

### APPRECIATION



The Management of African Minerals and Geosciences Centre (AMGC) would like to take this opportunity to thank Mr. David R. Mulabwa for his leadership during his tenure as Commissioner for Minerals of Tanzania. AMGC recognizes his able guidance which enabled the Centre to implement its activities successfully. Looking forward to continued working relationship with him as well as seeking his advice especially on mining issues.

### CONGRATULATIONS



The Management of the African Minerals and Geosciences Centre (AMGC) has the honor to congratulate Dr. Abdul Rahman Shabani Mwanga for being appointed Commissioner for Minerals of Tanzania. Tanzania, being one of the founding member states and host country of AMGC, has been unreservedly supporting the Centre since its establishment in 1977. AMGC sincerely recognizes the outstanding commitments and obligations of the Government of Tanzania to the Centre that enabled it to implement its activities to its highest peak.



The Management of the African Minerals and Geosciences Centre (AMGC) has the honour to congratulate Mr. Frank Mugenyi for being appointed Interim Director General of the African Minerals Development Centre (AMDC), which is based in Conakry, Guinea. Looking forward to a continued working relationship between the two sisterly institutions AMGC and AMDC especially implementing the African Mining Vision (AMV) for the Mining Industry to a better scio-economic development of Africa as well as to serve the Geosciences Community in Africa.



## Employment Contracts Renewal



The Management of the African Minerals and Geosciences Centre (AMGC) is happy to renew employment contracts of:-

- Mr. Matokeo Gratian Simba as the Ag. Manager of Mineralogy, Petrology and Gemmology Department (PMGD)
- Mr. Charles Buteta as Quality Controller as well as the Ag. Manager of Chemical and Environmental Department (CED)
- Mr. Gwakisa Mwaitete as Manager of Finance and Administration Department.

## Visit of BGR and ICGLR Delegates



The management of the African Minerals and Geosciences Centre (AMGC) received partners of the Federal Institute for Geoscience and Natural Resources (BGR) from the International Conference of the Great Lakes Region (ICGLR) who had visited the Analytical Finger Printing (AFP) Laboratory hosted by AMGC on Wednesday 27<sup>th</sup> October 2021. Among the participants were the ICGLR Project Manager, Coordinator of the ICGLR Analytical Fingerprint Management Unit (AMU) as well as Madam Sandra Zafar from BGR Hannover. The Management of AMGC discussed current challenges facing the AFP Lab and solutions to overcome.



## Clay Day at the Industrial Minerals Application Department (IMAD)



**Students and Staff from Braeburn International School on a school tour at AMGIC for Clay Day activities organized by AMGIC, where students were simply thought on the hand making of ceramic items.**

## 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
<b>Chemical and Environmental Services</b>				
Spectrometric Methods of Analysis.	✓		2 Weeks	\$800
Analysis of Gold and Other Base Metals	✓		2 Weeks	\$800
<b>Quality Management</b>				
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
<b>Mineralogy, Petrology and Gemmology Services</b>				
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
<b>Industrial Minerals Application Services</b>				
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

<b>Mineral Processing and Small-scale Mining Services</b>				
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
<b>Geo-information Services</b>				
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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Development***

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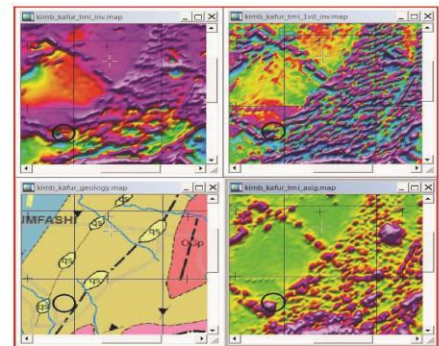
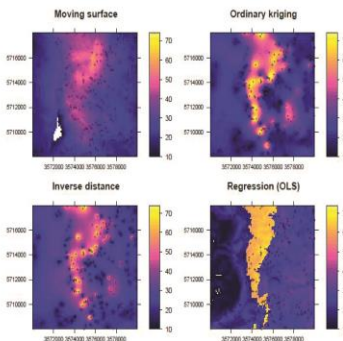
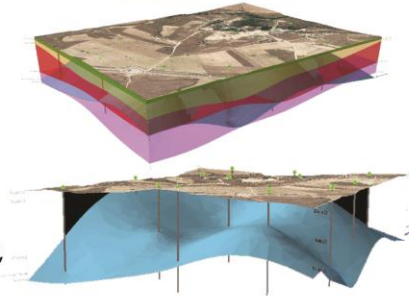
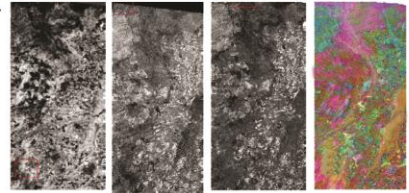


## GEO-INFORMATION SERVICES

- Geo-science Data Processing and Management: provision of training and consultancy services on the utilisation of advanced GIS and data processing techniques for mineral application
- Dissemination and Promotion of Georesources information of the Member Countries to the public through internet

### TRAINING AND CAPACITY BUILDING IN GEO-INFORMATION MANAGEMENT

- GIS and Remote Sensing for Mineral Exploration and Geological Mapping
- Geophysical and Geochemical Data Processing and Interpretation
- Mineral Exploration and Resource /Reserve Estimation
- Data Integration and Mineral Targeting
- Geostatistics Application in Geology
- Web mapping
- Geohazards
- Geoheritage sites of Tanzania
- Geo-safari – Geo-traverse across the Pan-African terrains: Tanzanian Craton, Greenstone belt, East African Rift Valley, the Kibaran and Mozambique belts.



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