



AMGC News

Director General's Message



During the month of September, the Centre organized two training courses for Tanzanian participants. The two training courses were Analysis of Gold and other Base Metal and Techniques of Gold Cyanidation were carried out by Geochemical and Environmental Services, and Mineral Processing and Small-scale Mining, Departments respectively, attended by trainees from Private sector in Tanzania. Travel restrictions and the prevailing situations about COVID 19 is still expected to affect the training courses for participants from outside Tanzania, for some time.

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Training Analysis of Gold and other Base Metals



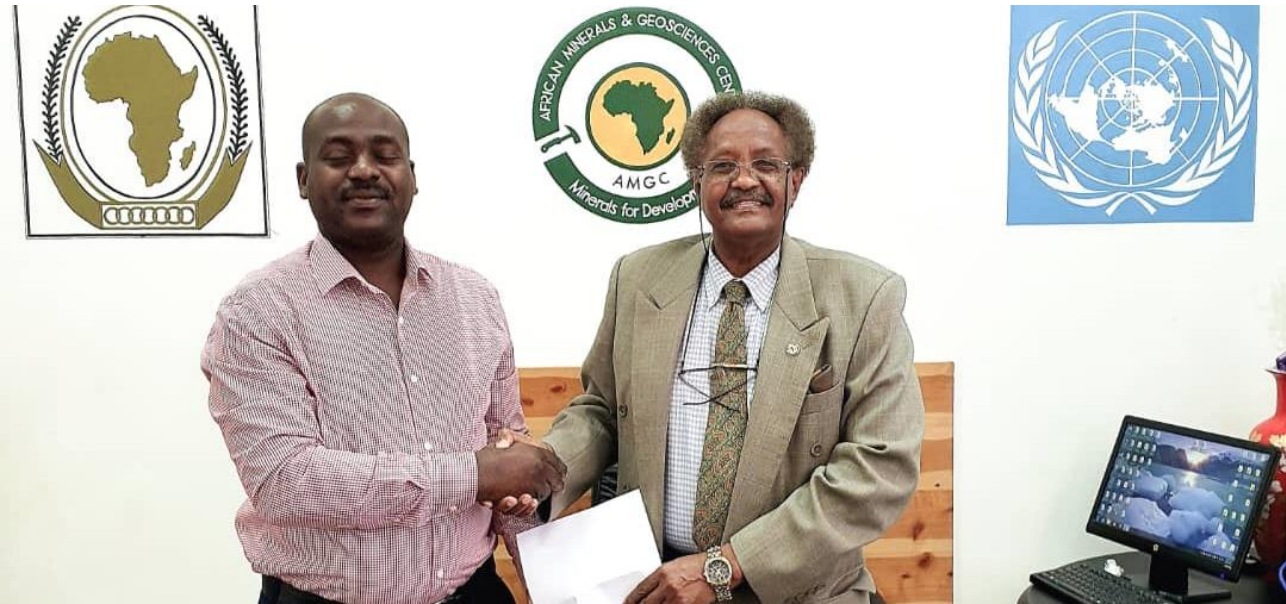
Certificate Ceremony of Mr. Clemence Mandipa (Zimbabwean national) and gold fire assayer at an accredited laboratory Nesch Mintec in Mwanza Tanzania. Mr. Clemence has just finished attending a practical training course on Analysis of Gold and other Base Metals conducted by the Geochemical and Environmental Department at the African Minerals & Geosciences Centre (AMGC). The course intends to enhance capacity building on technical knowhow and it was scheduled from 14 to 25 September 2020.

Training on Techniques of Gold Cyanidation



On 21 September AMGC received Mr. Lazaro Dioniz, a graduate student from University of Dodoma, who attended a course on techniques of gold cyanidation from 21st to 25th September 2020, the course was facilitated by Mr. Alex Mkama, the manager of Mineral processing and small scale mining department.

Renewal of Contract of Employment



Mr. Yusuph Hassan, Manager of Chemical and Environmental Department of AMGC, has undertaken the maintenance of S8-TIGER X-Ray Fluorescence (XRF) machine which has been out of operation since 2017 and it has problems of network and X-Ray generator and due for thorough diagnosis and services/repairs. Using Internal Expertise and Local Engineers from Tanzania, the exercise will upon completion cost the Centre a total of USD 10,000.00 far less than USD 50,000 cost if the Engineers from South Africa and/or Germany could be involved. In view of Mr. Yusuph Hassan good performance of duties, during the past three years of employment contract, the Director General of AMGC is quite satisfied with his good performance and conduct technically, administratively and ethically demonstrating exceptional performance and therefore the management is happy to renew Mr. Yusuph's contract with AMGC for another period of three years (3) with effect from 1st October 2020 as Senior Geochemist and confirms him as a Manager of Chemical and Environmental Services.

Congratulatory and Appreciation Messages



The African Minerals and Geosciences Centre (AMGC), has the honour to congratulate H.E. Madam Simegn Wube for being appointed State Minister of Mines and Petroleum in Ethiopia.



The African Minerals and Geosciences Centre (AMGC) wishes to take this opportunity to thank H.E. Assefa Kumsa for his tenure as the State Minister for Ministry of Mines & Petroleum, Federal Democratic Republic of Ethiopia.



The African Minerals and Geosciences Centre (AMGC), has the honour to congratulate Ms Agnes Alaba for being appointed Ag. Director for the Directorate of the Geological Survey and Mines of Uganda and also for being nominated Desk and Liaison Officer as well as Ugandan Representative on the Board of Director of AMGC.

LIST OF TRAINING COURSES October – December 2020

AMGC training services have been disrupted due to the Global COVID-19 pandemic which resulted in travel restrictions. Though globally there are different conditions of the spread of the pandemic, it is observed that there is a general easing of restriction globally. In the case of Tanzania, hosting country of AMGC, there is a general drop of the spread of the pandemic and all restrictions have been removed. All activities including schools and public gatherings have resumed normally since July 2020.

With regards to international travel restrictions, the Government of the United Republic of Tanzania issued a travel advisory on 29th July 2020 to the International Community residing in the country the following information on travel restrictions.

“All travelers entering the United Republic of Tanzania will be required to present upon arrival a valid NEGATIVE COVID-19 Certificate for RT-PCR from an approved laboratory tested within 72 hours before the actual travel date. In addition, the travelers will be subject to enhanced screening for COVID-19 infection. However, there will be no Mandatory Quarantine upon arrival.”

Therefore, AMGC would like to inform all visitors of the Centre for training courses, that it has resumed the training services as of the month of September 2020. AMGC is happy to inform all that it has also started online training courses on some of the training courses it provides. Below is the schedule of the training courses for the months of Sep – Nov 2020 and the list of online training courses.

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

Training Topics	Schedule	Fee
Geostatistics Application in Geology	5-16 Oct 2020	\$800
Mineralogical and Petrological Sample Preparation and Analytical Techniques	5-16 Oct 2020	\$800
Mineral Economics	12-23 Oct 2020	\$800
Spectrometric Methods of Analysis.	12-23 Oct 2020	\$800
GIS and Remote Sensing for Mineral Exploration and Geological Mapping	19-30 Oct 2020	\$800
Web mapping	19-30 Oct 2020	\$800
Gemstone Identification Techniques	26-30 Oct 2020	\$400
Gemstone Value Addition Techniques	2-13 Nov 2020	\$800
Metallurgical Balance and Process Evaluation	2-13 Nov 2020	\$800
Mineral Exploration and Resource/Reserve Estimation	2-13 Nov 2020	\$1,500
Decorations in Pottery and Ceramics	9-20 Nov 2020	\$800

Onsite/Classroom Training Courses (Oct – Dec 2020)

Training Topics	Schedule	Fee
Spectrometric Methods of Analysis.	9-20 Nov 2020	\$800
Advanced Resource Estimation	16-20 Nov 2020	\$1,000
Laboratory Certification and Accreditation	16-27 Nov 2020	\$1,500
Environmental Management in Mining	23-27 Nov 2020	\$400
Geohazards	23-27 Nov 2020	\$400
Analysis of Gold and Other Base Metals	7-18 Dec 2020	\$800
Practical Mineral Processing and The Basic Mineral Processing Flowsheet	7-18 Dec 2020	\$800
Open Source GIS	7-18 Dec 2020	\$800

Onsite/Classroom Training Courses (Oct – Dec 2020) Online Training Courses

Training Topics	Duration	Schedule	Fee
Laboratory Certification and Accreditation	2 weeks	On request	\$1,500
Modern Laboratory Management Methods	2 weeks	On request	\$800
Quality Control and Quality Assurance in Laboratories	2 weeks	On request	\$1,500
Practical Mineral Processing and The Basic Mineral Processing Flowsheet	2 Weeks	On request	\$800
Environmental Management in Mining	1 Week	On request	\$400
GIS and Remote Sensing for Mineral Exploration and Geological Mapping	2 weeks	On request	\$800
Data Integration and Mineral Targeting	2 weeks	On request	\$800
Geostatistics Application in Geology	2 weeks	On request	\$800
Mineral Exploration and Resource/Reserve Estimation	2 weeks	On request	\$1,500
Advanced Resource Estimation	1 week	On request	\$1,000
Web mapping	2 weeks	On request	\$800
Geohazards	1 week	On request	\$400
Open Source GIS	2 weeks	On request	\$800



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GEOCHEMICAL AND ENVIRONMENTAL SERVICES

The Geochemical and Environmental Department of AMGC carries chemical analysis of geological materials (rocks, minerals, soil, sediment and concentrate) so as to demarcate areas with economic mineral potential. It also offers useful analytical data on metals, water, soils, minerals, fish, sewage for use by metallurgists, environmentalists, agriculturalists, road construction engineers and water engineers. The section provides training and consultancy services to clients from member states and other countries.



Chemist at work in AAS laboratory

Chief chemist at work in ICP - OES laboratory

TRAINING SERVICES

Training on relevant aspects of specialized chemical analysis of geological and environmental materials by short courses or attachment and tailor-made basis are also organized by the Department. The training courses include:

- ✓ Spectrometric Methods
- ✓ Analysis of Gold and Other Precious Metals
- ✓ Modern Laboratory Management Methods
- ✓ Environmental Technologies
- ✓ Field Sampling Techniques for Chemical Analyses
- ✓ Laboratory Sample Preparation Techniques for Chemical Analyses



Chemist testing loss on ignition

Chemist preparing petroleum samples for ICP - OES testing

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