



## AMGC's Specialties

- Training in mineral services
- Mineral Analysis
- Mineral Applications
- Pottery and ceramic technology
- Gem identification, grading and certification
- Research and Development
- Geo-information services
- Mineral-based development
- Feasibility studies
- Environmental Impact Assessment

# AMGC News

## Director General's Message



The second regional training workshop of the ACP-EU Development Minerals programme was completed during the month of March with participants from seven French speaking West African countries. The purpose of this training workshop was to enhance the knowledge base on mapping, inventory, digitization, resource estimation and dissemination of available data on Development Minerals in the participating countries. The training workshop was held at the Geo-information Department training venue at AMGC and attended by 27 participants from Benin, Burkina Faso, Cote d'Ivoire, Niger, Mali, Senegal and Togo. The participants representing different sectors including senior government officials, University professors, Mining and Exploration operators, small-scale mining operators and mining regulation offices in these countries.

The PanAfGeo project training on Geohazard was held at AMGC which was attended by 31 participants from Sudan, Sierra Leone, Nigeria, Kenya, Uganda, Tanzania, Botswana, South Africa, Liberia, Djibouti and Mozambique. This training workshop was facilitated by experts from Geological Survey of Lithuania, Geological Institute of Poland, Geological Survey of Italy, and Council for Geosciences of South Africa. This training workshop also included a field site visit on potential Geohazard sites in Tanzania, mainly landslide and flooding sites.

The Geoheritage Training workshop preparation was also continued with the visit of the Workpackage leader to AMGC to discuss the logistic issues.



## Contents

### Special Interest Articles

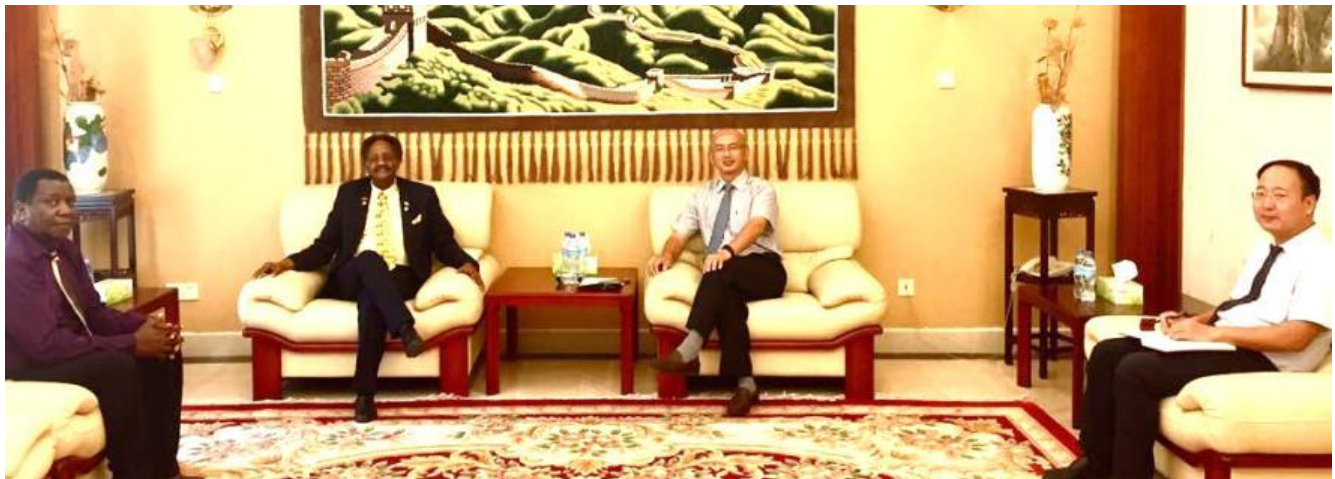
Ms. Rosemary Enie Visit	1
Role of China	1
Meeting with Project Manager of BGR	1
Training on Cyanide in Mining	2
PanAfGeo Training	2
Regional Development	
Minerals Programme at AMGC	3
PanAfGeo Officials visit at AMGC	3
Training on Introduction to Mineral Processing	4
Training on Cyanide in Mining	4
Agilent-Chemetrix (Pty)	4
SIMFE 2018	5
A meeting with the Minister of Minerals, Sudan	6
Clay Day	6
Call for Expression of Interest	7
Opportunities	8

## Ms. Rosemary Mbone Enie Visit at AMGC



Ms. Rosemary Olive Mbone Enie, the geologist from Cameroon, visited the African Minerals & Geoscience Centre (AMGC) on 05 March 2018. Ms Rosemary is a Gender Ambassador, Executive Director of Salama Heritage Ecovillage (SHE) and Coordinator Pan- African Women Miners Association (PAWOMA).

## Role of China in Development of the AMGC



AMGC Director General, Mr. Ibrahim Shaddad had a meeting with H.E. the Commercial Attaché of China in Tanzania on 8<sup>th</sup> March 2018 to discuss China Role in Developing the African Minerals and Geosciences Centre (AMGC).

## Meeting with the Project Manager of BGR-AMGC-ICGLR

*The Mission of AMGC is  
"To promote socio-  
economic and  
environmentally  
responsible mineral  
development in  
Africa"*



The Director General of AMGC had a meeting with Dr. Rudolf Mauer, the Project Manager of BGR-AMGC-ICGLR Analytical Finger Printing (AFP) Laboratory on 13 March 2018. The meeting discussed issues of soon formal inauguration of the AFP Lab, ICGLR-AMGC Agreement to operate the Laboratory, and its commercialization.



## Training on Cyanide in Mining – Techniques of Gold



Handing over certificates Ceremony of 13 field production supervisors from the Sudanese Mineral Resources Company (SMRC). The Sudanese professionals finished a two weeks training on Cyanide in Mining – Techniques of Gold on 3<sup>rd</sup> March 2018.

## PanAfGeo Training



AMGC hosted the PanAfGeo - WP5 – Geohazards” Training Course in Dar es Salaam-Tanzania during March 11-19<sup>th</sup> 2018. A group of 10 specialist trainers from Lithuania , Italy ,Poland, South Africa and Geological Survey of Tanzania (GST) and AMGC conducted the training. 31 trainee participants 8 Sudanese , 5 Sierra Leonian, 1 Nigerian, 4 South African, 1 Cameronian, 3 Batswana, 1 Mozambican, 1 Liberian, 1 Kenyan, 1, Djiboutian, 1 Ugandan and 4 Tanzanians. PanAfGeo represents the first co-operation between the European geological Surveys and its counterpart in Africa – the Organisation of African Geological Surveys. The aim of the WP5 – Geohazards training is to raise level of knowledge of African staff in scope of recognition of geohazards connected with natural geogeneous and human-induced hazards. Methods of identification of different types of geohazards, human risk evaluation and its monitoring as well as research and prevention will be an important element of the training

## The ACP-EU Development Minerals Regional Training Workshop on Digitization and Mapping of Development Minerals, Dar Es Salaam.



Group photo after handing over certificate ceremony of the ACP-EU Development Minerals Programme second regional training workshop on Data Digitization and Mapping of Development Minerals dedicated to the West African countries on 26 February to 09 March 2018.. This event brought together around 27 participants drawn from Benin, Burkina Faso, Côte d'Ivoire, Mali, Niger, Senegal and Togo.

## PanAfGeo Officials visit at AMGC



Dr. Enrique Díaz Martínez and Dr. Ángel García Cortés from the Geological Survey of Spain (IGME) visited the African Minerals and Geosciences Centre (AMGC). They are in preparation of the PanAfGeo-Geo-Heritage (WP7) Training to be held in Dodoma, Tanzania during 14-19 th May 2018. The training will be conducted in the Geological Survey of Tanzania (GST), Dodoma, Tanzania.



## Training on Introduction to Mineral Processing and the Basic Mineral Processing Flow Sheet



A group photo of 15 Sudanese and 2 Mozambican professionals who had a joint two weeks training on Introduction to Mineral Processing and the Basic Mineral Processing Flow Sheet. Extraction-Mineralogy Gravity concentration and hydro-metallurgical Recovery system and Cyanide in Mining – Techniques of Gold.

## Training on Cyanide in Mining

A group photo after handing over certificates Ceremony of 15 field production supervisors from the Sudanese Mineral Resources Company (SMRC). The Sudanese professionals finished a two weeks training from 12 to 23 March 2018 on:- Introduction to Mineral Processing and the Basic Mineral Processing Flow Sheet, Extraction-Mineralogy Gravity concentration and hydro-metallurgical Recovery system and Cyanide in Mining –Techniques of Gold.



## A visit of staff delegation from Agilent-Chemetrix (Pty) Limited



On Wednesday March 14, 2018 AMGC received a three staff delegation from Agilent-Chemetrix (Pty) Limited namely; Mr. Herman Nieuwoudt (Export Sales Manager) from Midrand, South Africa, Ms Rachel Munyi (Channel Partner Manager for East Africa) from Nairobi Kenya and Mr. Zabron J. Muhije (Local Representative-Tanzania). The delegation took round to AMGC labs and finally had an audience with the Director General.

## Sudan International Mining Business Forum & Exhibition (SIMFE)



AMGC Director General, Mr. Ibrahim Shaddad attended the 3rd Annual Sudan International Mining Business Forum & Exhibition (SIMFE 2018) which held in Khartoum, Sudan on 26-28 March 2018, the event was the continuation of the Global Initiative which provides an excellent networking platform for Global Mining Companies, Service Providers, Equipment Companies and Investors through which interested parties are informed about opportunities and developments in the Sudan mining sector.

SIMFE is the largest and only international Mining Event by Ministry of Minerals, Sudan which each year brings together Sudan and global mining professionals to explore the market, introduce your brand, make new connections, create new partnerships and win projects.

Furthermore SIMFE is an important initiative to promote the Sudan's Rich Mining Sector and present the investors and international companies a great way to explore the huge untapped potential of this historic country



## A meeting with the Minister of Minerals, Sudan



AMGC Director General Mr. Ibrahim Shaddad had a meeting with H.E. prof. Hisham Ali Salim, the Minister of Minerals, Sudan and Dr. Muhamed Abu Fatima, the Director General of Geological Research Authority of Sudan (GRAS) in Khartoum, Sudan.

## Clay Day for Families and their Kids



The African Minerals & Geosciences Centre (AMGC) organizes frequent one day clay workshop for Dar Es Salaam residents and diplomats. The two children from two families enjoying throwing on potters wheel and free hand building during clay day session in ceramic unit of AMGC as shown on the picture above.

**RE - ADVERTISEMENT  
CALL FOR EXPRESSION OF INTEREST (EOI)  
IN ESTABLISHMENT OF SMALL TO MEDIUM SCALE  
PRECIOUS METALS SMELTER AND REFINERY FACILITY**

The African Minerals and Geosciences Centre (AMGC), formerly known as the Southern and Eastern African Mineral Centre (SEAMIC), which is based in Dar es Salaam, Tanzania, is an Intergovernmental Organization registered in Tanzania under the Third Schedule of the Diplomatic and Consular Immunities and Privileges Act. AMGC is established in 1977 and works under the umbrella of both the United Nations Economic Commission for Africa (UNECA) and African Union Commission for Trade and Industry including Mining (AUC) to implement technically on ground the African Mining Vision (AMV) endorsed by the African Heads of States

The Centre has eight founder States which include Angola, Comoros, Ethiopia, Kenya, Mozambique, the Sudan, Tanzania and Uganda. AMGC is open to all other African countries which automatically become contracting member States after finalising some document arrangements.

AMGC is a Pan-African Centre of Excellence providing mineral services to support the mining industry in Africa. Its activities has been focused on capacity building, consultancy, and analytical services for minerals through geoscience information and modern laboratory facilities. Currently the Centre is involved in positive reforms on Artisanal-Small Scale Mining (ASM) sector in Tanzania to achieve productive-profitable business, environment-friendly gold processing on use of mercury, support by providing safe-simple technology working tools to share product. Among the analytical service, AMGC has been providing fire assay analysis of gold and other precious metals and is planning to expand this facility to a complete smelting and refinery service for all precious metals.

During its 37th meeting of the AMGC's Governing Council in September 2017 which was held in Dar es Salaam, Tanzania, the Governing Council approved the establishment of a precious metals smelter-refinery plant in partnership with a private sector. In order to realise this vision, AMGC requires partnership with institutions with both technical and financial capability to support this venture. AMGC is welcoming competent companies to express their interest of investing in technology for a joint venture partnership to establish a state of art small-medium scale precious metals smelter and refinery plant at its premises in Dar es Salaam, Tanzania which can smelt and refine gold and other precious metals products from the artisanal and small-scale miners in Tanzania at initial stage, and could be expanded as demand permits.

The proposal of the expression of interest may include but not limited to the following: ☐ Sound financial and technical capability;

- Mode of Financing; indicating source of fund (Loan or own fund);
- Mode of business operation joint venture, leasing of premises or any other form. Commitment of the smelter/refinery to do a parallel project to support a more environment friendly production of gold by ASM in Tanzania to ensure sustainable supply of gold to the smelter/refinery and share their gold product or buy the mineral products;
- Readiness to start operation (time frame);
- Business plan proposal;
- Experience in the in the area of smelting and refinery with comprehensive case studies on related business;
- Detailed technological information to be deployed for the operation on proposed precious metals smelting, refining and any other minerals value additional technology mentioning all the final products to be extracted and their quality;
- Environmental impact assessment and Power requirement; and
- Requirement of any government incentives from Tanzania, the AMGC's host country and need for exclusivity.

Deadline for submission of the EOI will be on 1st May, 2018 at 1530hrs.

Interested companies may submit their proposal on or before the set deadline addressed to:

**Director General,**  
**AFRICAN MINERALS AND GEOSCIENCES CENTRE (AMGC),**  
Kunduchi Beach Area,  
P.O. Box 9573,  
Dar es Salaam-Tanzania  
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## Opportunities



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### 27th Colloquium of African Geology

On behalf of the 27th Colloquium of African Geology (27 CAG) and 17th Conference of the Geological Society of Africa (GSAf17), we would like to extend a warm welcome and invite you to join us at the University of Aveiro, Aveiro, Portugal, for the CAG27. The Colloquium of African Geology (CAG) is a major biennial meeting organized under the auspices of the Geological Society of Africa (GSAf).

### Kenya Gem & Jewellery Fair

Kenya Gem and Jewellery Fair is the leading trade fair in Africa showcasing the best of what Kenya and Africa has to offer in coloured stones. Don't miss out this 2 day opportunity to discover Africa's treasures. The Fair will be held on 6th & 7th July 2018, Intercontinental Nairobi

### The seventh Arusha Gem fair

The Ministry of Energy and Minerals in collaboration with the Tanzania Mineral Dealers Association (TAMIDA) are jointly organizing the 7<sup>th</sup> Arusha Gem Fair (AGF) scheduled to take place from 2<sup>nd</sup> to 4<sup>th</sup> May, 2018 in Arusha. The AGF brings together premier gemstone and mineral dealers from East and Central African and International Potential buyers with the aim of making Arusha a Centre for Gemstone business in Africa.

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