



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

AMGC News

Director General's Message



The African Minerals and Geosciences Centre (AMGC) is embarking to its new role as a continental pan-African Centre of Excellence in line with the continental visions of developing Africa through its naturally endowed resources. African mineral have been benefiting the rest of the world when its people are suffering from poverty and conflict resulting from mostly its rich resources.

The efforts through regional and continental collaboration must be enhanced to bring its people together for mutual engagement in bringing Africa up the ladder to where it belongs. The collaborative efforts through continental institutions like AMGC is vital to mobilize efforts and share and exchange experiences among Africans is very important. When the right integration of efforts are forged Africa benefits more from its collaboration with the Developed World.

AMGC promotes such benefits of mutual interest with our global partners and has been engaged in all the inter-continental collaborations for the development of the mineral resources. The African/ European Geological Surveys collaboration under the PanAfGeo initiative was among the few AMGC is highly engaged with in the capacity building efforts of African professionals to reach the level of technology requires doe the development of the Mineral Sector.

The European Union supported capacity building and awareness enhancement for the neglected development (industrial) minerals to train more than 140 people on mapping and resource estimation of these minerals, which has not been given the right emphasis due to its low value nature of the commodities categorized in this sector. However, the huge volume of extraction of these minerals in our daily life exceeds the value of any other mineral extracted from under or above surface.



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Advanced Training Course on Ceramic Production Techniques

Under framework newly initiated china support through Ministry of Commerce of the People's Republic of China to AMGC, five technical staff from AMGC's Industrial Minerals Application Department attended a three weeks Advanced Training Course on Ceramic Production Techniques from 25th July - 14th August 2017 in Jiangxi College of Foreign Studies, China. The AMGC's ceramists/potters who attended the course are Mr. Lucas Kalombola Manager, James Mgala, the decorator, Mr. Selemani kasubi, Ms Naila Juma Mburu and Ms Regina Mbwambo, ceramists/potters



Lucas Kalombola Head Ceramic Unit at AMGC exchanging gift with vice president of Jiujiang University

Training Course in RS and GIS Technology in Geological Exploration



Class Session –Khartoum Sudan

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

On the request by the Ministry of Energy of Sudan, through the Gras, the Geo-information department conducted an outreach training in Sudan starting from 16/7/2017 to 03/08/2017. The training was conducted at Gras premises, 28 trainees from different departments participated. The training covered the following topics.

1. *Image processing for Geological interpretation (lithology & structures) and image processing for delineation hydrothermal zones (using Erdas & ENVI) software.*
2. *Geological Mapping in Arc GIS software.*
3. *Spatial analysis in Arc GIS and their application in Geology.*
4. *Geostatistic analysis in Arc GIS & Excel software.*

The training aimed at equipping and enhancing the participants with the modern advancements in GIS and remote sensing techniques as the tools for modern mineral exploration.

CHEMETRIX Visit

A delegation from CHEMETRIX (Pty) Ltd and Agilent Technologies has visited the African Minerals & Geosciences Centre (AMGC) to strengthen the cooperation in instrumental analytical analysis



AMGC senior officials meeting with CHEMETRIX delegation

Kenya Gem and Jewellery Trade Fair 2017

The Kenya Gem and Jewellery Show is a trade exhibition that organized annually. One of the main advantages of holding the event is that it is the first of precise strategic steps towards re-establishing Kenya as a gem hub, not only regionally but internationally as well. In addition, the show / fair will create business and trade opportunities within this sector.



Kenya Gem and Jewellery Trade Fair 2017

ICGLR

ICGLR Regional Experts and Stakeholders Consultation on the Illegal Exploitation and Trade of Natural Resources scheduled to take place from 05- 06 July 2017 in Nairobi, Kenya



Regional Experts and Stakeholders Consultation on Natural Resources and Good Governance for Sustainable Peace, Development and Transformation of the Great Lakes Region

Training course

AMGC received twelve Sudanese Engineers from Sudan Mineral Resource Company who attended a short training program in Extractive Metallurgy from 10th to 21st July 2017 hosted by the Mineral Processing and Small scale Mining Department.



AMGC Director General with participants from SMRC, Sudan

UPCOMING EVENTS

40th Years Anniversary

The year 2017 marks the 40th Anniversary of the Centre after it has become a continental institution with the new name AMGC also striving to become the technical arm of the African Union Commission (AUC) for the mineral resources development. The 40th Anniversary will be celebrated during the Annual Policy Organs meeting of the AMGC, which will be held in Dar es Salaam during the last week of May 2017.

Governing Council's 37th Annual Meeting

37th Governing Council annual meeting of African Minerals and Geosciences Centre will be held in September 2017.

Inauguration of Analytical Fingerprinting Laboratory

During the year 2017, AMGC will also mark one of its biggest milestone by becoming the Centre for Analytical Fingerprinting for coltan minerals for the Great Lakes Region. Starting from 2014, AMGC established a partnership with the International Conference for Great Lakes Region (ICGLR) through a tripartite Memorandum of Understanding signed between ICGLR, AMGC and BGR (Federal Institute of Geosciences and Natural Resources) of Germany. Through this partnership AMGC is hosting the Analytical Fingerprinting (AFP) Laboratory for coltan minerals which was the part of the ICGLR's programs of the Regional Initiative for Natural Resources (RINR).

ACP-EU Development Minerals Programme

Launched in July 2015, the ACP-EU Development Minerals Programme implemented by UNDP is a three-year, €13.1 million capacity building initiative that aims to build the profile, and improve the management of development minerals (industrial minerals, construction materials, dimension stones, and semi-precious stones). The programme is an initiative of the African, Caribbean and Pacific (ACP) Group of States, financed by the European Union and the United Nations Development Programme (UNDP), and implemented by UNDP.

AMGC has been identified as a core partner in this programme in the area of capacity building, and the ACP-EU Development Minerals Programme requested a proposal from AMGC, to deliver a series of regional and country level training workshops on geological data digitization techniques, field mapping, resource estimation and database management of Development Minerals. The proposed series of workshops will consist of six regional training workshops (one joint regional workshop for the ACP-EU Development Minerals Programme Focus Countries; one regional workshop each for East Africa, Central Africa and Southern Africa; and two regional workshops for West Africa) and four country-level training workshops (for Zambia, Guinea-Conakry, Uganda and Cameroon).

PanAfGeo Project

PanAfGeo project is a cooperation between the European geological surveys (EGS) and its counterpart in Africa, the Organisation of African Geological Surveys (OAGS), aims to further develop the capacity of the OAGS, improve **national education and training systems** and support the development of a comprehensive **Pan-African Geological Knowledge Base**. This project is organized in seven working packages to cover the following areas of geoscience knowledge requirements to accomplish its objectives.

- **WP1 – Geoscientific Mapping**
- **WP2 - Mineral resources assessment**
- **WP3 – Artisanal and Small-Scale Mining**
- **WP4 – Environmental Management of Mines**
- **WP5 – Geohazards**
- **WP6 – Geoheritage**
- **WP7–Geoinformation Management**
- **WP8 – Communication and Promotion**

AMGC is the member of the advisory board of the project and will be hosting some of the capacity building activities of the different work packages. In October 2017, WP7 will organize the first training course at AMGC. In June 2018, WP2 will also conduct one training course at AMGC.



African Minerals and Geosciences Centre

Kunduchi Beach Area

PO Box 9573

Dar es Salaam

Tanzania

+255 22 2650347

Fax: +255-22-2650319

seamic@seamic.org

Minerals for Development

Find us on the Web:

www.seamic.org

Opportunities



The Ninth International Conference on the Geology of Africa (ICGA 2017)

The Geology Department of Assiut University invites scientists to gather in the capital of Upper Egypt for the Ninth International Conference on the Geology of Africa (ICGA 2017).

This conference is the premier forum for the presentation of new advances and research results in the fields of theoretical, experimental, and applied geological sciences. The "ICGA" is a biennial event since 1999 has taken place eight times in Assiut, Egypt; bringing together leading researchers, scientists and engineers in the domain of interest from around the world.

The 6th Arusha Gem fair

The Ministry of Energy and Minerals in collaboration with the Tanzania Mineral Dealers Association (TAMIDA) are jointly organizing the 6th Arusha Gem Fair (AGF) scheduled to take place from 3rd to 5th May, 2017 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.

Contacts

Director General

Ibrahim Shaddad

ibrahimshaddad@seamic.org

Head Chemical and Environmental

Laboratory Services

Charles Buteta

charles@seamic.org

Head Geo-information Services

Mesfin W. Gebremichael

mesfin@seamic.org

Head Mineral Processing and
Small Scale Mining

Alex Mkama

mkama@seamic.org

Head Mineralogy, Petrology &
Gemology

Lilian Moshi

lilian@seamic.org

Head Industrial Minerals
Applications

Lucas Kalombola

lucas@seamic.org