



AMGC Director General's Message



During the month of May 2026, AMGC honored to host members of the Ethiopian community in Tanzania for a familiarization visit focused on partnerships, knowledge sharing, and opportunities in minerals and geosciences. AMGC has welcomed Miss. Jasmin Ally as an apprentice in its Finance and Administration Department. AMGC Recognized Miss Shufaa Jamal for Successful Completion of the Internship Program with the Finance and Administration Department. AMGC successfully conducted a free-of-charge five-week industrial training program for students from Mwenge Catholic University (MWECAU), based in Kilimanjaro, Tanzania. AMGC participated in the artisan market exhibition through the department of Industrial Minerals Application (IMAD), displaying handcrafted ceramics produced. Director General of AMGC attended the opening ceremony of the *new Karpinsky geological class* in United Republic of Tanzania. AMGC extended warm wishes on International Labour Day, Africa Day, and Eid Al-Adha.

Contents

AMGC has welcomed Ms. Jasmin Ally as an apprentice in its Finance and Administration Department. Page 1

AMGC Recognized Miss Shufaa Jamal for Successful Completion of the Internship Program with the Finance and Administration Department. Page 2

AMGC honored to host members of the Ethiopian community in Tanzania for a familiarization visit focused on partnerships, knowledge sharing, and opportunities in minerals and geosciences. Page 3-5

AMGC successfully conducted a free-of-charge five-week industrial training program for students from Mwenge Catholic University (MWECAU), based in Kilimanjaro, Tanzania. Page 6

AMGC participated in the artisan market exhibition through the department of Industrial Minerals Application (IMAD), displaying handcrafted ceramics produced. Page 7

Director General of AMGC attended the opening ceremony of the *new Karpinsky geological class* in United Republic of Tanzania. Page 8-9

AMGC extended warm wishes on International Labour Day, Africa Day, and Eid Al-Adha. Page 10

Appreciation and Gratitude Page 11-14

Kunduchi Ceramics produced by AMGC Page 15-17

Training Courses Page 18-26

AMGC Contact Page 27

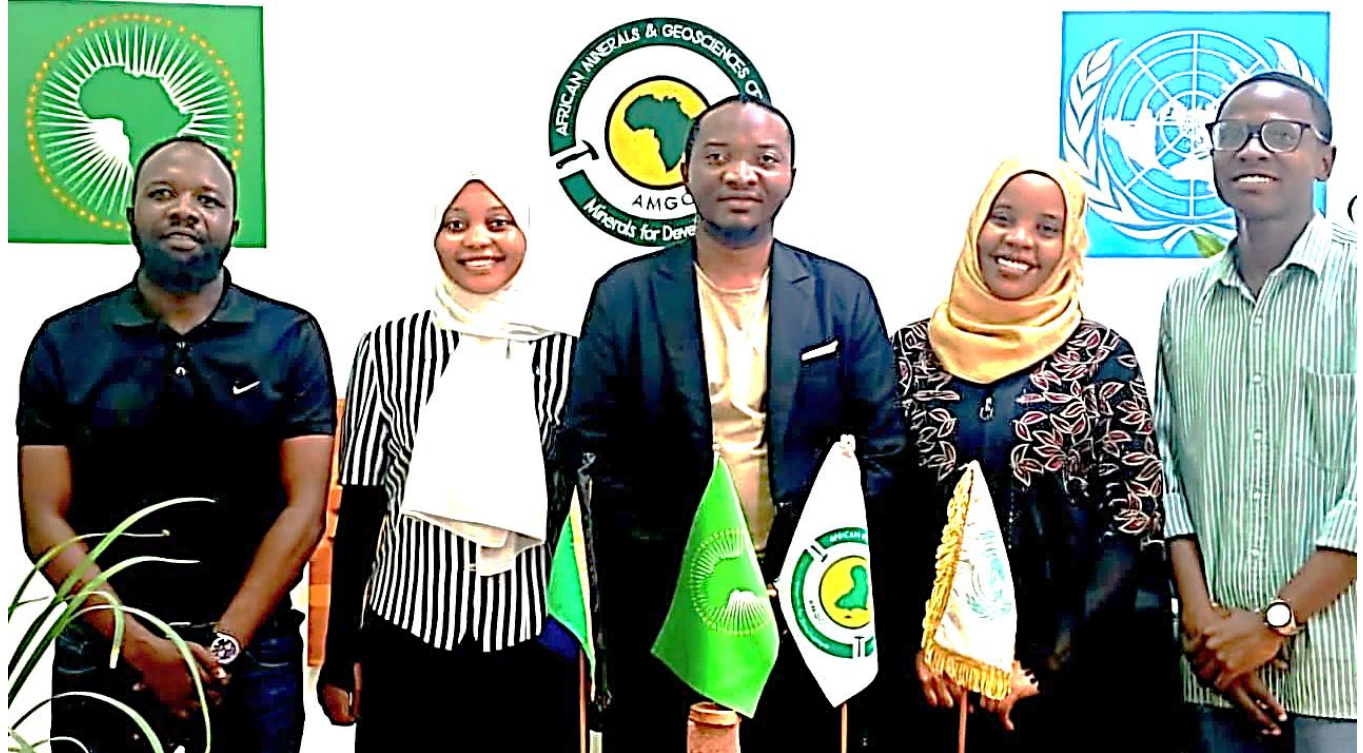
Events Page 28-49





On 8th May 2026, the African Minerals and Geosciences Centre (AMGC) has welcomed Ms. Jasmin Ally as an apprentice in its Finance and Administration Department. Through its Internship Program, AMGC provides hands-on training and capacity-building opportunities to apprentices from Tanzania, the Centre's host country, and other member states.

The initiative focuses on empowering women and youth by strengthening practical experience, building professional skills, and preparing skilled professionals for today's workforce and future generations.



On 8th May 2026, The African Minerals and Geosciences Centre (AMGC) proudly awarded this certificate to Miss Shufaa Jamal in recognition of her successful completion of the Internship Program with the Finance and Administration Department.



Throughout her internship, Miss Shufaa exhibited commendable commitment, diligence, and professionalism. Her responsibilities included customer care, documentation and filing, managing office calls, maintaining accurate visitor records, and providing professional assistance to visitors.

AMGC appreciates her dedication and contributions, and extends best wishes for continued success in her professional journey.



Familiarization Visit by Ethiopian Community Members in Tanzania to AMGC

On 11th May 2026, the African Minerals and Geosciences Centre (AMGC) was honored to host members of the Ethiopian community in Tanzania for a familiarization visit focused on partnerships, knowledge sharing, and opportunities in minerals and geosciences.

The delegation held insightful discussions on mineral resources, training programs, and regional cooperation with Mr. Ibrahim Shaddad, Director General of AMGC, and other AMGC professionals.

Visitors:

- Mr. Teklay Kahessay, Chairman of the Community
- Eng. Tsegawbizu Teketel (Tsegaw), Secretary General of the Community
- Ms. Rinnah Teklay, Member of the Community

The tour highlighted AMGC's laboratories, training programs, and technical services, highlighting opportunities to strengthen regional and continental ties in the minerals sector.

In his welcome remarks, Mr. Shaddad thanked the delegation for their visit and commended their interest in learning, connecting, and exploring future collaboration in minerals and geosciences.

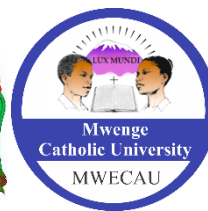
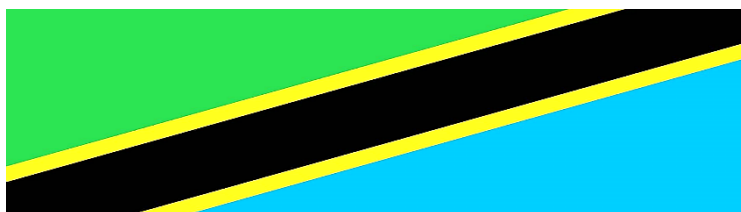
He extended an open invitation to the women and children of the community to participate in AMGC's Clay Day sessions, available as half-day or full-day workshops.

Clay Day is a short training program designed for women, children, schools, and families to gain basic knowledge and practical skills in ceramics and pottery using simple technology.









Between 13th April and 15th May 2026, the African Minerals and Geosciences Centre (AMGC) hosted a free of charge five-week industrial training program for Miss Glory Livingstone Temba and Miss Vaileth Yustone Mwamluku, students from Mwenge Catholic University (MWECAU), based in Kilimanjaro, Tanzania.



Held within AMGC's Chemical and Environmental Department (CED), the program focused on sample preparation and analytical techniques using Atomic Absorption Spectroscopy (AAS) and X-Ray Fluorescence (XRF) across diverse matrices including water, rocks, soil, sediment, metallic ores, and industrial minerals.



The attachment provided hands-on exposure to laboratory protocols and advanced instrumentation, equipping the students with practical competencies aligned with both academic standards and industry requirements. Delivered under AMGC's ISO 9001:2015-certified Quality Management System, the training reinforced AMGC's mandate as a Centre of Excellence in mineral services.



This initiative underscores AMGC's commitment to capacity building, knowledge transfer, and professional development for emerging geoscientists. Through partnerships with institutions of higher learning, AMGC continues to strengthen technical expertise and human resource development across Africa's mineral and geosciences sectors.





Artisan Market Exhibition

On 16th May 2026, the African Minerals & Geosciences Centre (AMGC), through its Department of Industrial Minerals Application (IMAD), proudly participated in the Artisan Market Exhibition, where it showcased handcrafted ceramic products that had been produced at the Centre of Excellence.

This exhibition celebrated African art and culture, demonstrating how creativity and craftsmanship contribute to capacity building and value addition to Africa's abundant yet low valued minerals.

Each ceramic piece presented embodies the spirit of transformation turning earth into art, and minerals into meaning.





On 18th May 2026, Mr. Ibrahim Shaddad, Director General of the African Minerals and Geosciences Centre (AMGC), had the honour of being among the distinguished guests attending the opening ceremony of a *new Karpinsky Geological Class* in the United Republic of Tanzania. The ceremony took place at 5:00 p.m. at the residence of the Ambassador of the Russian House in Dar es Salaam, Tanzania. The programme featured a range of educational and outreach activities, including a presentation on the Karpinsky Institute, an expert lecture entitled “Modern Approaches in Geological Mapping,” a geological exhibition, and other events of professional and public interest.

The international project “Karpinsky Geological Classes” is named after Prof. Alexander Petrovich Karpinsky (26 December 1846 – 15 July 1936), a distinguished Russian and Soviet geologist and mineralogist who served as President of the Russian Academy of Sciences, and subsequently the Academy of Sciences of the USSR, from 1917 to 1936. The initiative is led by the Karpinsky Institute — the All-Russian Geological Research Institute named after A. P. Karpinsky — operating under the Federal Agency for Mineral Resources of the Ministry of Natural Resources and Environment of the Russian Federation.

The Karpinsky Institute is the oldest and principal geological institution in the Russian Federation and occupies a distinguished

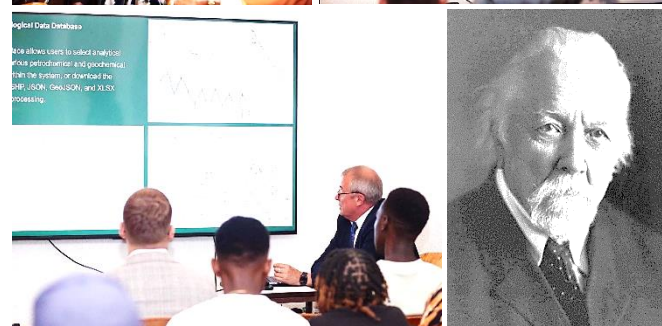




position within the international geological community. Building on its longstanding tradition of international cooperation in geological research and mineral resource assessment, the Institute is implementing the international project “Karpinsky Geological Classes.”

The initiative seeks to promote geology, strengthen both public and professional engagement in the Earth sciences through a broad range of educational, and outreach activities. These include expert lectures, film screenings, thematic exhibitions, and interactive sessions designed to encourage dialogue, stimulate wider interest in geology, and facilitate the exchange of professional knowledge and expertise.

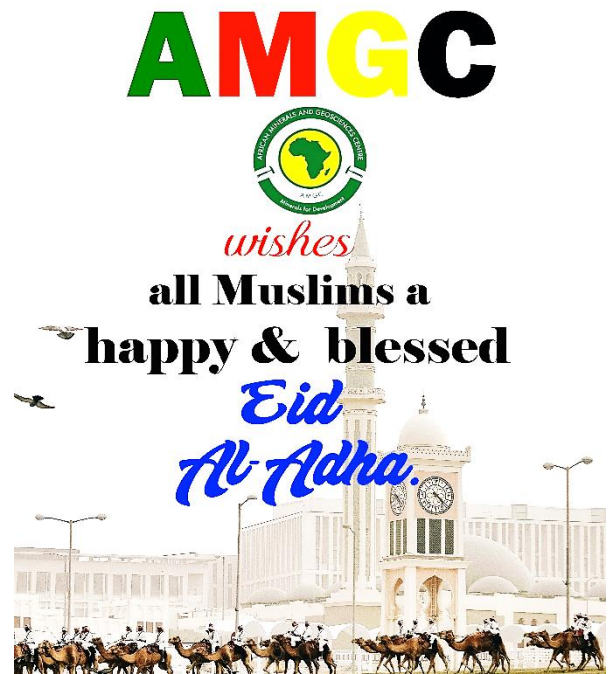
To date, Karpinsky Geological Classes have been established and are operating in several countries, including African nations such as the Republic of Ghana, the Federal Democratic Republic of Ethiopia, and the Republic of Mozambique, as well as the Republic of Cuba, the Kyrgyz Republic, the Republic of Kazakhstan, and the Republic of Belarus. The project has generated considerable interest among geologists, students, and academic institutions, reflecting a strong demand for knowledge exchange and the development of joint initiatives aimed at advancing geological sciences and strengthening human resource capacity within the sector.



African Minerals and Geosciences Centre extended warm wishes on International Labour Day, Africa Day, and Eid Al-Adha.



Since 1963



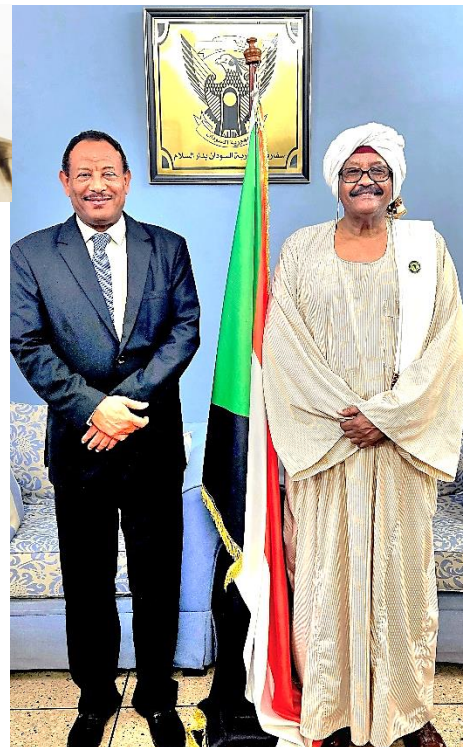


APPRECIATION & GRATITUDE

The African Minerals and Geosciences Centre (AMGC) would like to express its much appreciation and gratitude to the Sudan for being up to date in fulfilling its financial commitments to the Centre until 30 June 2026. Mr. Ibrahim Shaddad, the Director General of AMGC paid a courtesy visit to H.E. Ambassador of Sudan to Tanzania, Dr. Mohamed Abdalla Abdelhameed on 20 November 2025. Mr. Shaddad expressed much appreciation and gratitude for the arrangement, which done to send the annual subscription of Ministry of Minerals on behalf of the Government of the Sudan through the Ministry of Foreign Affairs of Sudan to the Centre. H.E. Dr. Mohamed Abdalla assures the sustainable support of the Sudan to AMGC and expressed his high concern to enhance the existing excellent and fruitful relationship and cooperation that the Sudan and AMGC share for strengthening beneficial partnerships to push for the Centre's mission and mandate in serving the Mining Sector and Geosciences community in the Sudan and African Countries.

It is worth mentioning that the Sudan joined the work force of AMGC in August 2010. The Sudan chaired the AMGC 33rd and 39th Governing Council Meetings hosted in Khartoum in 2013 and 2019 respectively. Sincerely recognizes the outstanding commitments and obligations of the Government of Sudan to the Centre that enable it to implement its activities to its highest peak. The Sudan has been unreserved supporting AMGC in overcoming repeated financial constrain that the Centre is facing. The Sudan is leading in timely fulfilling its annual subscription to the Centre. It is ranking the first member state of AMGC in utilizing the AMGC's paid capacity building services and in this regard, the Sudan contributes honorably in the 40% annual operational budget generated by the Centre. Since Mr. Ibrahim Shaddad, the current Director General of AMGC has been fully on board in July 2015, 530 paid training opportunities provided to Sudanese professionals

From Geological Research Authority of Sudan (GRAS), Sudanese Mineral Resources Company (SMRC), Ariab Mining Company (AMC) and Sudan's Gold Refinery. The Sudanese professionals trained in various practical on-job-training courses at the AMGC premises based in Dar es Salaam, Tanzania and one paid outreach-training course held at the premises of GRAS in Khartoum.





APPRECIATION & GRATITUDE

We have the honour to acknowledge with thanks and appreciation receipt of Angola's annual contribution to the African Minerals and Geosciences Centre (AMGC) for the Financial Year 1st July 2025/30th June 2026. The African Minerals and Geosciences Centre (AMGC) would like to express its much appreciation and gratitude to the Angola for being is among leading member states of AMGC, consistently and promptly fulfilling its financial obligations, contributing significantly by covering 60% of the Centre's annual operational budget, which is funded by member states.

Angola has been unreserved supporting the Centre in financial constrain that the Centre is facing. The outstanding commitments and obligations of the Government of Angola to the Centre enables it to implement its activities to its highest peak. The Centre is indebted to the continued support from Angola and look forward Angola to utilize and maximize its benefits from the mineral services provided by the Centre.

It is worth mentioning that Angola, one of the founding member states of AMGC, has been unreservedly supporting the Centre since joining the Centre on 23 May 1985. Angola shouldered more than once (in 2001 and 2009) hosting the Policy Organ Meetings of the Centre as well as chairing the Governing Council of the Centre. Out of the six Directors General managing the Centre since 1977, Angola elected to manage the Centre from 2002 to 2006 by H.E. Dr. Diamantino Pedro Azevedo, the current Minister for Mineral Resources, Oil and Gas in Angola. H.E. Dr. Diamantino is the current Vice Chairman of the AMGC Governing Council.

Angola was elected Chair of the Board of Directors (BOD) of AMGC from 2006 to 2014 by Dr. Luis Antonio, the then Advisor of the Minister of Geology and Mines of Angola and now Director of Exchange Office at the Ministry of Mineral Resources, Oil and Gas of Angola. Currently Dr. Luis is the representative of Angola in AMGC Standing Committee of Officials. Mr. Canga Xiaquivuila, the Director General of the Geological Institute of Angola is the representative of Angola in AMGC Board of Directors.



The African Minerals and Geosciences Centre (AMGC) would like to express its much appreciation and gratitude to Kenya for being up to date in fulfilling its financial commitments to the Centre until 30 June 2026. It is worth mentioning that Kenya joined the Centre in July 2006, becoming the 7th member state. Kenya has since chaired the AMGC Governing Council and hosted the Policy Organ Meetings three times in May 2011, June 2014, and May 2015. The upcoming meeting will also be hosted by Kenya, under the chair of H.E. Hassan Ali Joho, the Cabinet Secretary for Mining, Blue Economy, and Maritime Affairs in the Government of Kenya.



APPRECIATION & GRATITUDE

The African Minerals and Geosciences Centre (AMGC) would like to express its sincere appreciation and gratitude to the United Republic of Tanzania, the host country of the Centre, for being up to date in fulfilling its financial commitments to the Centre for the current financial year 2025 –2026.

It is worth mentioning that Tanzania, the host country of the Centre has chaired the Centre Governing Council and hosted the Policy Organ Meetings for twenty-three (23) times since the establishment of the Centre in 1977.



African Minerals and Geosciences Centre (AMGC)

KUNDUCHI CERAMICS

Choose Kunduchi Ceramics

DECORATE YOUR TABLE WITH HANDMADE CERAMICS

We, the Ceramics Unit of AMGC, provide high quality ceramics at a fair price, reflecting nature's best! We concentrate on household items in complete sets, such as bowls, mugs, cups, plates, flower vases, candleholders and ashtrays. As a principle we only use locally available materials.

AMGC - African Minerals and Geosciences Centre is an inter-governmental organisation based in Dar es Salaam, Tanzania.

Your individual ceramics: It is possible to order individual designs with names, company logos, special drawings or designs. Due to the nature of this order there will be a minimum order requirement. AMGC will consider other smaller quantities subject to price confirmation. For further information please also contact Mr. Lucas Kalombola at +255758924934 or lucas@seamc.org

Website: www.seamc.org | Email: seamc@seamc.org | Tel: +255222850347 | Mob: +255767 345 793

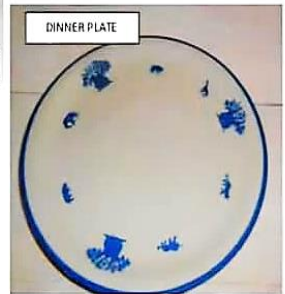
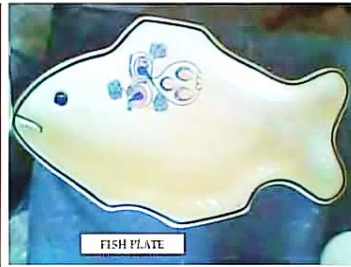
The Industrial Minerals Application Department of the African Minerals and Geoscience Centre (AMGC) based in Dar es Salaam, Tanzania produces ceramic as well as provides training in ceramic simple technology. The photos of some of our products are posting on our website. The quality of handmade items is very good, resisted, and safe to use in microwaves, dishwasher, and ovens. Hotels and diplomatic missions in Tanzania request our products.

Regarding

- Delivery time - The lead-time to delivery is two and half months from the day deposit has been received into our account.
- Terms of payments – Telegraphic transfer and mobile payment are the terms of payment. Minimum order is 1000 pcs.

Here are prices for some of the items produced and delivered in Dar es Salaam, Tanzania. Customers should incur all costs for transport and related customs taxes.

- | | |
|---|-----------|
| 1. Serving dish with cover [flower decorations] | 30.00 USD |
| 2. Serving dish with cover [Blue colors] | 30.00 USD |
| 3. Teacup/saucer | 04.00 USD |
| 4. Mugs | 04.00 USD |
| 5. Condiment bowl | 03.00 USD |





KUNDUCHI CERAMICS - AMGC



FLOWER VASE



FLOWER VASES



DINNER PLATE



CEREAL BOWL



ZEBRA TEA CUP



CEREAL BOWL



FLOWER VASE



COFFEE MUG



TEA POT



TWIGA TEA POT



LARGE FLOWER



CEREAL BOWL

SIDE PLATE

DINNER PLATE



TRAY WITH SAEUR



EGG CUP



COFFEE MUG



CEREAL BOWL

New Courses



AMGC

New Courses



The Mineralogy, Petrology and Gemology Department is happy to announce the following new training courses

New training courses

- 1** Gemstone/Mineral Estimation and Valuation
- 2** Jewelry Design
- 3** Gemstone Exploration & Gem Safari's

More Info

www.seamic.org

matokeo@seamic.org



NEW Training Courses

African Minerals and Geosciences Centre (AMGC) is pleased to announce the introduction of four new courses Geostatistics, Petroleum Sciences and Resource Estimation in collaboration with Khartoum based Consulting firm called Knowledge and Training Centre (KTC). The course shall be facilitating by the Director of KTC, Dr. M. Zayed Award, an eminent specialist in the areas of Geostatistics, resource evaluation, stratigraphy, reporting, training and mentoring, risk and decision analysis, petroleum economics, project management. The training course will be organizing in Dar es Salaam at the AMGC training facilities. The following training courses are going to be offered through this collaboration.

1. Fundamental of Petroleum Economics

Duration: One Week

Course fee: US\$ 1,200

This course introduces the participants to requirements for conducting petroleum economics; different stages of the petroleum industry life cycle involving upstream, mid-stream and downstream sectors will be explained. Participants will learn how to construct a Cash Flow Model for oil and gas investment decision. They will also learn how to deal with the different financial components of petroleum cost, and classification of costs into OPEX and CAPEX. Net Cash Flow Stream analysis and computation of economic indicators (Yardsticks) such as NPV, IRR, PBP, MCE and DPI, and their interpretations are essential for petroleum investment decision-making. Cash Flow Adjustment using discount rates is also considered. Types of fiscal regimes will be explained; participant will also learn how to incorporate the fiscal parameters into a cash flow stream.

2. Geostatistical Mineral Resource Estimation

Duration: One Week

Course fee: US\$ 1,700

The course will focus on the fundamentals of Geostatistical application in mining that are required for domain specification that are required for mineral resource estimation and will include hands-on training with Geostatistical software. Geostatistical conditional Simulations may be used to assess the uncertainty associated with the Reserves Evaluation at exploration, feasibility, and production stages. The simulations provide a range of potential reserves for the ore body's Tonnage, Metal Quantity and Recovered Grad



1. Introduction to Oil and Gas Industry

DURATION: One Week

Course fee: US\$ 1,200

This course designed for a wide-ranging of petroleum industry personnel. It designed to provide green-hands technical and non-technical personnel with practical petroleum industry life cycle. The course covers the key phases of the exploration, development and production industry as well as transportation and refining of crudes oils.

2. Geostatistics for Mining - foundation Course

Duration: Two Weeks

Course fee: US\$ 2,000

Geostatistics, in combination with other statistical methods, offers a wide range of mathematical tools that used to analyze, model, provide estimates and assess uncertainties, for different types of spatial phenomena, for example, grades or geological features. The course will focus on the fundamentals of Geostatistics and statistics and will include hands-on training with Geostatistical software.

THE INSTRUCTOR



Dr. M. Zayed Award, the former Sudanese Minister for Oil and Gas (September 2014-May 2017) BSc (Hons) from University of Khartoum, Sudan, MSc (Geol) from Technical University of Berlin (TU), PhD (Stratigraphy) from Technical University of Berlin (TU). Dr. Zayed is a university instructor with postgraduate qualifications in petroleum geology, stratigraphy, economic geology, Geostatistics, and relevant application soft wares. He has more than 35 years' experience in university teaching and more than 25 year's worldwide experience in the petroleum industry and training. He has supervised

MSc and PhD research students and reviewed several reports and research papers. He is the founder of Knowledge & Training Center (KTC) in Sudan, and he is active as a trainer since 2003. He worked on many projects and given training courses to hundreds of attendees on many aspects of geology. Dr. Zayed's skills are in Geostatistics, resource evaluation, stratigraphy, reporting, training and mentoring, risk and decision analysis, petroleum economics, project management. Dr. Zayed was the initiator and editor-in-Chief of the book titled "Petroleum Geology and Resources of the Sudan" published by Geozone (Berlin) in 2015.

AFRICAN MINERALS AND GEOSCIENCES CENTRE (AMGC)



GEO-INFORMATION DEPARTMENT SURPAC TRAINING COURSE DETAILS

CHAPTER ONE: COURSE INTRODUCTION

This course designed to provide geologists with a comprehensive understanding and practical skills in using GEOVIA Surpac, one of the leading 3D modeling and mine planning software tools in the mining industry. Tailored specifically for geological applications, the training focuses on the complete workflow from data import and validation, geological interpretation, wireframing, and block modeling to resource estimation and reporting. Whether you're new to Surpac or seeking to enhance your geological modeling capabilities, this course equips you with the tools and techniques needed to deliver accurate, efficient, and professional results in exploration and mining projects.

LEARNING OBJECTIVES

By the end of this course, participants will be able to:

- Navigate and use Surface's interface and key geological tools.
- Import, manage, and validate geological and survey data.
- Create and interpret lithological models and wireframes.
- Perform block modeling and resource estimation.
- Apply Geostatistical analysis for grade interpolation.
- Generate geological maps, sections, and reports.

LEARNING MATERIALS

- Geological data set (will be provided by trainer or user)
- Software



TARGETED GROUPS

- Geologists and Geosciences professionals
- Mineral exploration Professionals
- Mining Companies
- Minerals Valuer & Academicians and Researchers.

CHAPTER TWO: SCHEDULE AND TOPIC COVERED

This is a two weeks training with the ten working day as follows:

Day 1-2: Introduction and Data Management

1. Introduction to GEOVIA Surpac and its role in geology
2. User Interface (UI) navigation and customizing workspace
3. Project setup and directory structures
4. Importing geological, topographic, and survey data (CSV, DAT, DXF)
5. Coordinate systems and datum setup
6. Creating and managing string files
7. Database creation and validation (drillhole database)
8. Exercise: Importing and viewing drillhole data

Day 3-4: Drillhole Management and Geological Modeling

1. Drillhole display setup (collars, survey, assay, geology)
2. Validating and correcting drillhole errors
3. Creating downhole plots and sections
4. Coding lithology and alteration from logs
5. Compositing assay data
6. Geological domaining (numeric and coded)
7. Exercise: Geological modeling and drillhole compositing

Day 5-6: Surface and Solid Modeling

1. Creating and editing digital terrain models (DTMs)
2. Manual digitizing of lithological contacts on sections
3. Interpreting cross-sections and string linking
4. Creating geological solids (wireframes) from strings
5. Validation and cleaning of solids



6. Exercise: Build a geological model from drillhole data

Day 7-8: Block Modeling and Resource Estimation

1. Creating a block model framework
2. Defining block model attributes
3. Coding blocks using wireframes and lithology
4. Grade estimation methods: IDW, Nearest Neighbor, Kriging
5. Variogram modeling (intro)
6. Estimation runs and validation
7. Exercise: Build and populate a block model with grades

Day 9-10: Reporting, Visualization and Advanced Tools

1. Resource classification and reporting (JORC/SAMREC basics)
2. Section plotting and map generation
3. Volume calculations and resource summaries
4. Pit and surface intersections
5. Exporting data for reports
6. Introduction to macros and batch processing
7. Best practices and quality control in resource modeling
8. Final exercise: End-to-end mini project from data to model to report

For More Details, Contact

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LIST OF TRAINING COURSES

TRAINING COURSES	DURATION	FEE
Finance and Administration Department (FAD)		
Leadership and Management Skills	2 Weeks	\$1,500
Financial Management Skills	2 Weeks	\$1,500
Executive Secretarial Skills	2 Weeks	\$1,500
Corporate Social Responsibility (CSR)	2 Weeks	\$1,500

Chemical and Environmental Department (CED)		
Spectrometric Methods of Analysis	2 Weeks	\$800
Analytical Techniques for Gold Analysis Using Classical Methods	2 Weeks	\$1,200
Modern Laboratory Management Methods	2 Weeks	\$800
Data Validation, Qa/Qc Procedures and Error Detection	2 Weeks	\$1,500
Fundamentals of Geochemical Data and Laboratory Analytical Techniques	2 Weeks	\$1,500

Quality Management (QM)		
Laboratory Certification and Accreditation	2 Weeks	\$1,500
Quality Control and Quality Assurance in Laboratories	2 Weeks	\$1,500

Mineralogy, Petrology and Gemology Department (MPGD)		
Mineralogical Sample Preparation and Analytical Techniques	2 Weeks	\$1,000
Usage of Benchtop X-ray Diffraction (XRD) for Mineralogical Analysis	2 Weeks	\$1,200
Thin and Polished Section Sample Preparation Techniques	2 Weeks	\$1,000
Petrographic Analytical Techniques	2 Weeks	\$1,000
Gemstone Characterization and Identification Techniques	2 Week	\$800
Gemstone Identification Techniques	2 Week	\$800
Basic Gemmology Skills	2 Week	\$800
Ruby, Sapphire and Emerald Mode of Occurrences and Mining Methods	1 Week	\$400
Ruby, Sapphire and Emerald Identification Techniques	1 Week	\$400
Gemstone Value Addition Techniques	2 Weeks	\$800
Cabochon Cutting and Polishing Techniques	2 Weeks	\$800
Diamond Identification, Grading and Certification	2 Weeks	\$1,500
Advanced Gem Identification Techniques	2 Weeks	\$1,200
Minerals/Gemstones Assessment, Valuation and Certification	2 Weeks	\$1,000
Gemstone Formation, Mode of Occurrences and Mining Methods	2 Weeks	\$800
Gemstones Exploration Techniques	2 Weeks	\$1,500
Gem Safaris	2 Weeks	\$2,000
Basic Jewelry Design Techniques	4 Weeks	\$2,500



Industrial Minerals Application Department (IMAD)

Clay day Session 1	Half day	\$20
Clay day Session 2	Full day	\$40
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 and Tiles Manufacturing (Clays)	2 Weeks	\$800
Glaze Formulation	2 Weeks	\$800
Body Composition Formulation	2 Weeks	\$800

Mineral Processing and Small-scale Mining Department (MPSSMD)

Interface and Solution Chemistry	2 Weeks	\$1,000
Simulation and Design of Mineral Processing Plants	2 Weeks	\$1,000
Two Phase Flow Theory in Higher Mineral Processing	2 Weeks	\$1,000
Coal and Graphite Processing Techniques	2 Weeks	\$1,000
Dewatering and Tailing Dam Management	2 Weeks	\$1,000
Mine Closure and Mine Areas Rehabilitation	2 Weeks	\$1,000
Sampling and Sample Preparation: Best Practices for Reliable Laboratory Analysis	2 Weeks	\$1,000
The Gold Cyanidation Process: Principles, Techniques, and Innovations	2 Weeks	\$1,000
Occupational Health and Safety in Mining Operations	2 Weeks	\$1,000
Artisanal and Small-Scale Mining: A Practical Approach	2 Weeks	\$800
Mineral Economics and Strategy	2 Weeks	\$1,000
Metallurgical Balances for Process Efficiency and Optimization	2 Weeks	\$1,000
From Ore to Metal: An Introduction to Extractive Metallurgy	2 Weeks	\$800
Environmental Management in Mining and Climate Action	2 Weeks	\$800
Development Minerals: Unlocking Potential for Sustainable Growth and Infrastructure	2 Weeks	\$1,000
Fundamentals of Mineral Processing: Principles, Techniques, and Modern Innovations	2 Weeks	\$1,000

Geo-Information Department (GID)

GIS and Remote Sensing for Mineral Exploration and Geological Mapping	2 Weeks	\$800
Geospatial Data Analysis and Remote Sensing	2 Weeks	\$1,000
Introduction to web programming for GIS applications	2 Weeks	\$1,000
GeoServer for Web GIS- Publish, Manage & Serve Spatial Data	2 Weeks	\$1,000
Best Practices in Mineral Resource Estimation	2 Week	\$800
Geodatabase Development for Web mapping	2 Weeks	\$800
GIS and Remote Sensing Application for Geohazards	2 Week	\$1,000
GIS and Remote Sensing Application for Mining Environmental Management	2 Week	\$1,000



Integrated Mineral Exploration Techniques	2 Weeks	\$1,000
GIS and Remote Sensing for Hydrological Applications	2 Week	\$1,000
Open-Source GIS & Remote Sensing for Mineral Exploration	2 Weeks	\$1,000
Geochemical Exploration and Mapping	2 Weeks	\$1,200
Structural Geology and Geotectonic in Mineral Exploration	2 Weeks	\$1,200
Fundamental of Petroleum Economics	1 Week	\$1,200
Geostatistical Mineral Resource Estimation	1 Week	\$1,700
Geostatistics for GIS Professionals	1 Week	\$1,000
Sedimentology and Stratigraphy for Oil and Gas Exploration	2 Weeks	\$1,000
Introduction to Oil and Gas Industry	1 Week	\$1,200
Geostatistics for Mining - foundation Course	2 Weeks	\$2,000
Prospect Evaluation: Volumetric and Risk Analysis	2 Weeks	\$2,000
GEOVIA Surpac for Resource Estimation	2 Weeks	\$2,400
LEAPFROG Software for Resource Estimation	2 Weeks	\$2,400
MICROMINE Software for Resource Estimation	2 Weeks	\$2,400

Information Communication Technology Training List

Data Protection & Computer Security	2 Weeks	\$1,000
Network Managements Techniques for Mineral Exploration	2 Weeks	\$1,000
Database Managements Techniques for Mineral Exploration	2 Weeks	\$1,000
VMware Software for Network Security	2 Weeks	\$2,400

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***Minerals for
Development***

Find us on the Web:

www.seamic.org



Petrology, Mineralogy & Gemmology Services

The Mineralogy, Petrology and Gemmology Department utilizes the skills of its staff to address crucial issues in the mineral sector such as lack of technical knowledge on mineral testing and identification, evaluation, grading and value addition techniques.

EXPERTISE

- ✓ Mineralogical and petrological sample preparation and analysis
- ✓ Mineralogical evaluation of industrial minerals, ore minerals and clays
- ✓ Gemstone identification and grading
- ✓ Specialized training in Gemmology, Gemstone Cutting and Polishing and Mineralogical and Petrological Sample preparation and Analytical Techniques.



Petrography and Gemmological Microscopes

ANALYTICAL SERVICES

- ✓ Preparation of standard thin sections and polished sections
- ✓ Rock slabbing and polishing
- ✓ Rock core splitting
- ✓ Petrographic examination of thin sections and polished sections
- ✓ Evaluation of industrial minerals, ore minerals and clays
- ✓ Gemstone testing and identification
- ✓ Diamond grading
- ✓ Consultation and Expert opinion



Polishing Machine for Polished Mount Preparation

TRAINING SERVICES

- ✓ Mineralogical and petrological sample preparation and analytical techniques
- ✓ Gemstone Characterization, Identification and Value Addition
- ✓ Gemstone Identification Techniques
- ✓ Gemstone Value Addition Techniques (Gem Cutting)
- ✓ Gemstone Cabochon making and Carving
- ✓ Gemstone Faceting
- ✓ Gemstone Identification, Value Addition and Trading



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