

# THE 30<sup>TH</sup> COLLOQUIUM OF AFRICAN GEOLOGY



## THE FIRST CIRCULAR

Theme: *Unveiling Africa's Geological Resources: Forging a Path for Sustainable Development*

Venue: Kenyatta International Convention Centre, Nairobi- Kenya

Date: 23<sup>rd</sup> to 27<sup>th</sup> September, 2025.



# Contents

MESSAGE FROM THE PRESIDENT OF THE GEOLOGICAL SOCIETY OF AFRICA (GSAf)	4
MESSAGE FROM THE CHAIRPERSON OF THE ORGANIZING COMMITTEE	5
INTRODUCTION	7
PROPOSED OVERALL STRUCTURE OF THE CAG 30	8
CALL FOR PROPOSALS OF SESSIONS, MEETING, WORKSHOPS AND SHORT COURSES	9
Sessions	9
Workshop and short courses	9
Business meetings	9
PRELIMINARY FIELD TRIPS / EXCURSIONS	10
EXHIBITIONS	11
REGISTRATION	11
REGISTRATION FEES	11
ABSTRACT SUBMISSION FOR CAG 30	12
CAG30 LANGUAGE	12
PUBLICATIONS: SPECIAL ISSUE OF THE JOURNAL OF AFRICAN EARTH SCIENCES	13
SPONSORSHIP	13
SOCIAL PROGRAMS	13
IMPORTANT DATES FOR THE SCIENTIFIC PROGRAM	14
GENERAL INFORMATION	14
Visas	14
Accommodation	14
Venue	14
Currency of Kenya	15
CAG30 CONTACT DETAILS	15
Secretariat	15
ORGANIZATION AND COMMITTEES	15
Geological Society of Africa's Executive Committee / Members	15
Local Organizing Committee	16
SPONSORSHIP & EXPO COMMITTEE	16
BUDGET & PROCUREMENT COMMITTEE	17
PROTOCOL, SECURITY, ACCREDITATION & IMMIGRATION COMMITTEE	17
BRANDING & PUBLICITY COMMITTEE	17
SECRETARIAT MEMBERS	17
PROGRAMME & CONTENT COMMITTEE	17
CONFERENCE, VENUE, SERVICES & INTERPRETATION COMMITTEE	17
SCIENTIFIC, DOCUMENTATION & TECHNICAL COMMITTEE	17

# The Geological Society of Africa

## *Unveiling Africa's Geological Resources: Forging a Path for Sustainable Development*

23 – 27 September 2025 | Nairobi, Kenya



### **MESSAGE FROM THE PRESIDENT OF THE GEOLOGICAL SOCIETY OF AFRICA (GSAf)**

The Colloquium of African Geology (CAG) is a major biennial meeting, held under the auspices of the Geological Society of Africa, where earth scientists from around the globe have the opportunity to present their research on topics of African geology to an international forum of their peers.

It also offers an opportunity to initiate, develop and implement projects which promote interaction between Academia, Industry and Society.

During the 29<sup>th</sup> Colloquium of African Geology (CAG29), hosted by Namibia, it was announced that the Colloquium (CAG30) would be hosted by Kenya during the final week of September 2025. This is an important edition as it will mark the 60<sup>th</sup> anniversary of the CAG and the 30<sup>th</sup> edition. The first edition held in Leeds in the United Kingdom was a landmark one as it led to the propagation and acceptance of the scientific revolutionary concept of “the Pan African Orogeny”. The CAG has grown over the years to be regarded as the “Olympics of African Geology”. The theme of the event will be: **“Unveiling Africa's Geological Resources: Forging a Path for Sustainable Development”**. The event will be attended by various industry players within the academia, scientific research, mining, exploration and geothermal sectors. Participation from the government, civil society partners and the media is also expected.

Career scientists from African countries and other developing regions are especially encouraged to regard this event as an opportunity to present their research to a wide audience, with participations from different sectors, countries, and continents. Kenya, the host country, boasts an interesting, heterogeneous geology covering some 2.6 billion years of earth history, with a wide variety of mineral deposits and mineralization styles, that have contributed - and still contribute-immensely to the country's economy. In addition, Kenya's impressive geomorphic landscapes have great potential for geotourism, while the host city, Nairobi, is a culturally diverse center of learning. Academically, the geoscientific sessions and excursions highlighted in this circular and following circulars promise to provide a deeper insight into the multi-faceted geological history of the African continent. I therefore enjoin all geoscientists globally, therefore, to start making plans to attend what will be an interesting and geologically fulfilling event, which will be held in Nairobi, Kenya from **23<sup>rd</sup> to 27<sup>th</sup> September, 2025**.

Prof. Olugbenga Okunlola; [gbengaokunlola@yahoo.co.uk](mailto:gbengaokunlola@yahoo.co.uk), [o.okunlola@mail.ui.edu.ng](mailto:o.okunlola@mail.ui.edu.ng)

## MESSAGE FROM THE CHAIRPERSON OF THE ORGANIZING COMMITTEE

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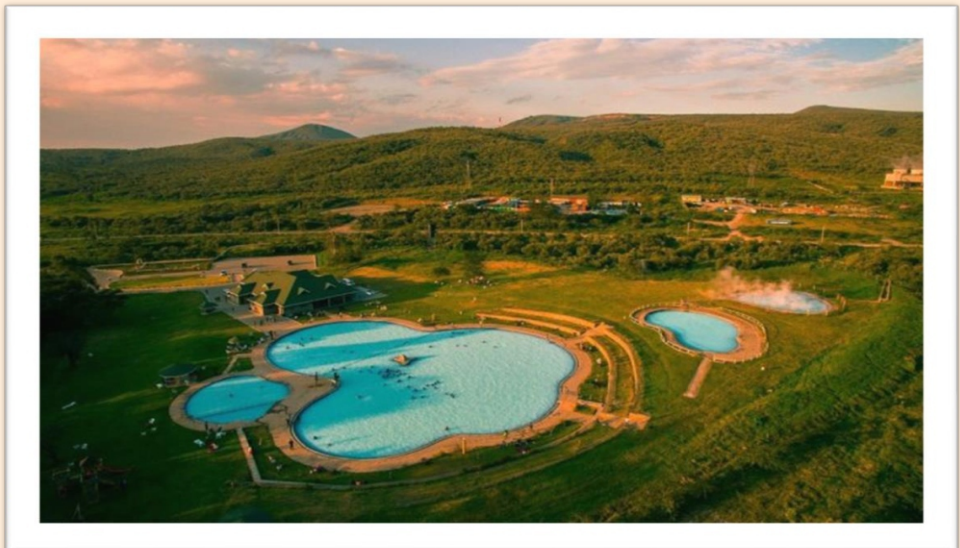


I warmly invite you to the 30th Colloquium of African Geology (CAG30), to be held in the attractive city in the sun - Nairobi, Kenya, from September 23 to 27, 2023. The theme of this year's colloquium is **"Unveiling Africa's Geological Resources: Forging a Path for Sustainable Development"**. The Local Organizing Committee and the National and International Scientific Committee, supported by different sponsors, will put up an elaborate program. CAG30 is an opportunity to see and learn about Kenya.

Poised as the cradle of mankind and a great safari destination, Kenya's geology is also diverse. Located at the Equator, Kenya's geology is placed in a very unique position with Archean to Quaternary geology. The country is powered by geothermal energy drawn from the Rift Valley that is a major and also a host of several inland lakes. The 30<sup>th</sup> colloquium will feature keynote addresses, oral presentations, poster sessions, call for workshops, training and field trips. Among the issues to be addressed will be the role of artificial intelligence in geological sciences in Africa, the geopolitics of strategic mineral resources and hydrogeology with emphasis on its sustainable utilisation. Equally, there will be exhibitions and meetings with experts from different fields such as research institutions, extractive industries and entrepreneurs both locally in Kenya and within Africa and far beyond. Come ready for opportunities to network and socialize. To you all participants from government and affiliated institutions, professional associations, mining companies, researchers & scholars, civil societies, political players and the media, you are welcome. Looking forward to meeting you at the CAG30!

Ng'ang'a Kuria

President, Geological Society of Kenya



*Geothermal Spa within Olkaria Geothermal Plant in Naivasha, Kenya*

## **INTRODUCTION:**

The Geological Society of Kenya is the principal organizer of the 30<sup>th</sup> Colloquium of African Geology (CAG30) on behalf of the GSAf, in cooperation with various stakeholders in Mining, Groundwater development, Geotechnical and Engineering services, Oil and Gas industry, and more importantly, research and academia players.

Geological resources have been very instrumental in developing most if not all African nations directly or indirectly and declaring the underlying resources will be speaking openly of the continent's potential. These resources have been building every person through productions or infrastructure while taking care of the environment. In unravelling of these geo-resources and the responsibilities of geologists, CAG30 will inform policy makers in managing available geo-resources. The event will be held in Nairobi, Kenya between 23rd and 27th September, 2025. The theme of this event will be “Unveiling Africa's Geological Resources: Forging a Path for Sustainable Development”.

The Geological Society of Kenya (GSK) and the Geological Society of Africa (GSAf) are professional associations that were formed to oversee and cater for the desires of geologists while ensuring professional integrity in geo-scientific undertaking world-wide. The Geological Society of Kenya, non-profit making and a non-political organization is celebrating 50 years since its inception in 1974, while GSAf will be celebrating 60th birthday at the height of this forthcoming conference. Both societies draw their funding from membership subscription, corporate membership and at times grants from institutional friends. CAG30, just like previous meetings will be graced by international speakers, distinguished scholars and researchers and multinational geo-resources exploitation companies. This conference will be preceded by pre-conference field trip and ended with similar charming geological excursion to wonderful sceneries in Kenya. This conference is expected to provide an avenue to different players a platform to showcase their wares and expertise in geoscience skills, instrumentation, equipment and tools. Entrepreneurs and institutional leaders will have the podium to share experiences from all parts of the world.



*Marafa Hell's Kitchen Formation in Malindi, Kenya*



**PROPOSED OVERALL STRUCTURE OF THE CAG30**

Pre-CAG30 field trips	
Online registration opens on the conference website	
On-site registration opens, exhibition set-up	
Welcome reception and ice-breaker	
Opening ceremony	
Scientific Program	
Gala Dinner	
GM Geological Society of Africa	
Business meetings and activities for accompanying participants	
Workshops and Short Courses	
Post- CAG29 field trip	



*Beautiful sceneries of the Shimoni Caves in South Coast, Kenya*

## **CALL FOR PROPOSALS OF SESSIONS, MEETING, WORKSHOPS AND SHORT COURSES**

The Local Organizing Committee (LOC) invites everyone to propose:

### **Sessions**

All sub-themes are allowed to have several sessions with conveners. Interested candidates wishing to set up a session should send an email to [cag30.scientificcommittee@gmail.com](mailto:cag30.scientificcommittee@gmail.com) with the following:

- Session title (max. 150 characters, including spaces)
- Short description (max 1500 characters, including spaces)
- Lead conveners (name, affiliation and email address)
- Co-conveners (name, affiliation and email address)
- Keyword (max.6)

Session proposals must be submitted by 15th December, 2024.

### **Workshop and short courses**

We invite submission of workshop and short course proposals. Workshops will be held before and after the scientific programme of oral and poster sessions. If you are interested in proposing a workshop or short course, please provide the following information:

- Address of the convener(s) (name, affiliation and email address)
- Workshop or short course title (max. 150 characters, including spaces)
- Indicate whether it will be before or after the Scientific Program session.
- Short descriptions (max. 1500 characters, including spaces)

Submit the proposal by email to [cag30.scientificcommittee@gmail.com](mailto:cag30.scientificcommittee@gmail.com).

### **Business Meetings**

We encourage you all to submit proposals for business meetings to be held during the CAG30 to [cag30.scientificcommittee@gmail.com](mailto:cag30.scientificcommittee@gmail.com).



*Chalbi Desert in Marsabit, Kenya*

## PRELIMINARY FIELD TRIPS/EXCURSIONS

Several pre- and post-conference excursions and field trips are scheduled to take place before and after CAG30 indoor meeting. Proposed field trips include:

- 1) **Nairobi to Narok with a night at Maasai Mara National Park.** Geological Interesting features include:
  - a) View Points of the Rift System- structures and tectonics
  - b) Geothermal steams of Naivasha, volcanism and sedimentation
  - c) Also National Park views of animals
- 2) **Nairobi- Masinga dam via Thika Chania Falls at Blue Posts Hotel.** Interesting geological sites to visit:
  - a) Ol Doinyo Sabuk- Kilimambogo Seismic Station and metamorphic Geology of the Mt. Kilimambogo
  - b) Engineering Geology of Masinga and its associated Geotourism,
  - c) View of Yatta Plateau
- 3) **Nairobi to Mombasa three-day trip.** Interesting geological and geotourism sites include Yatta Plateau, Chyullu Hills, Kinyiki hill, igneous, metamorphic and sedimentary rocks.
- 4) **Nairobi to Magadi and back one-day trip** via Karen Blixen, Ngong, Kiseria and Ologesailie archaeological site. Also an opportunity to see lake Magadi closely and compare it to the Dead Sea, Rift Structures & Tectonics and Salt Mining at Magadi as well volcanism and sedimentation.
- 5) **A three-day trip from Nairobi to Naivasha to Nakuru to Kapsabet to Eldoret to Kakamega and back to Nairobi.** Interests include; Geothermal steams, Menengai crater, Rift Tectonics and Structures , Neoproterozoic and Archaean Geology, The Fluorite Mine and Flamingoes.
- 6) **A two-day trip from Nairobi to Nyeri to Nanyuki.** Interests include visiting the Aberdare Mt Ranges, Mt Kenya, Treetops, Neoproterozoic and igneous Geology as well a huge clay deposits of Mukurweini region in Nyeri and a possible visit to Aberdare National Park.
- 7) **Nairobi to Athi River to Namanga, Kenya- Tanzania border trip.** The geological Interests are;
  - a) Upper Phonolites and Tertiary beds of Kinanie - Athi River Area,
  - b) Lower Kapiti Phonolites,
  - c) Neoproterozoic Geology of Mozambique belt including marble quarries, schists and gneisses and migmatites and gemstones of Namanga.
  - d) Return trip with a view of Ngong hills via Isinya - Kiseria- Ngong - Karen - Nairobi route.
- 8) **East African Rift System along the Central Kenya rift from Nyahururu to Kinangop to Longonot.** Geological interests include; Rift evolution tectonics, Palaeoseismic, Faulting, Volcanism, Hydrology, resources (7Ma to present).

Dates and detailed information to be confirmed soon. Participation is on a first-come, first-served basis and subject to availability.



## **EXHIBITIONS**

The exhibitions will offer a unique networking opportunity for Earth Scientists to meet representatives from research institutes and companies. It will also allow companies to carry out marketing and business development. The exhibitions will be open for the duration of the conference.

## **REGISTRATION**

The online registration form will be available at ([Registration\\_CAG30NBI](#)). Participants who prefer to register using a printed form can access the printable registration form from the website. The form should be sent to the CAG30 Secretariat by email at [cag30info@cag30nbi.org](mailto:cag30info@cag30nbi.org) | [cag30.nbi@gmail.com](mailto:cag30.nbi@gmail.com).

Participants are required to pay registration fees by bank transfer or deposit. Bank details will be shared in due course.

## **REGISTRATION FEES**

<b>REGISTRATION FEES (local payment should be made in Kenya Shillings, ) Category</b>	<b>Early bird</b>	<b>Late</b>	<b>On site</b>
<b>GSAf Members and Affiliates</b>	<b>KES 30,000 (Euro 250 / US\$ 270)</b>	<b>KES 40,000 (Euro 300 / US\$ 330)</b>	<b>KES 40,000 (Euro 300 / US\$ 330)</b>
<b>Accompanying person</b>	<b>KES 15,000 (Euro 120 / US\$ 130)</b>	<b>KES 20,000 (Euro 150 / US\$ 170)</b>	<b>KES 20,000 (Euro 150 / US\$ 170)</b>
<b>Student</b>	<b>KES 15,000 (Euro 120 / US\$ 130)</b>	<b>KES 20,000 (Euro 150 / US\$ 170)</b>	<b>KES 20,000 (Euro 150 / US\$ 170)</b>
<b>Non-members</b>	<b>KES 40,000</b>	<b>KES 45,000</b>	<b>KES 45,000</b>
	<b>(Euro 300 / US\$ 330)</b>	<b>(Euro 350 / US\$ 380)</b>	<b>(Euro 350 / US\$ 380)</b>

## **ABSTRACT SUBMISSION FOR CAG30**

Abstracts will be accepted for either oral or poster presentations and will be reviewed and accepted by the scientific committee. More information on the abstract format and submission will be communicated in the second circular, to be released on the 15<sup>th</sup> December, 2024.

## **CAG30 LANGUAGE**

English will be the official language of CAG30. We kindly ask all participants to prepare abstracts, posters and oral presentations in English.

## **Forging a Path for Sustainable Development**

### **Sub-Themes CAG30(Suggestions)**

1. Policies and trends in development of strategic minerals in Africa Sustainable development of ground water resources in Africa, challenges and mitigation measures for a better tomorrow
2. Economic leveraging of geological trends, Geotourism and Geoheritage sites
3. Realization of Africa's potential in petroleum and energy resources in climatic changing times
4. Growing of Geophysics in exploration of mineral resources and development of geological resources
5. Maximising on geothermal resources as a key potential of green energy in Africa
6. Emphasis on geoscience education for development and sustainability
7. Innovative solutions to accommodate the influence of plate tectonics, sea floor spreading and other earth surface processes on Africa's landscape and resources.
8. The fast-growing technology in incorporating Artificial intelligence (AI) on the development of Geosciences in Africa



## **PUBLICATIONS: SPECIAL ISSUE OF THE JOURNAL OF AFRICAN EARTH SCIENCES**

The CAG30 proceedings will be compiled and selected papers will be considered for publication in the special issue of the Journal of African Earth Sciences.

### **SPONSORSHIP**

The LOC are interested in sponsors for specific events during the Colloquium. This will include the technical sessions and workshops, conference materials and excursions. Delegate sponsorship packages are also available for organizations wishing to sponsor attendance by student, early-career and other delegates.

### **SOCIAL PROGRAMS**

Social activities include the icebreaker party and reception and a sightseeing tour of Kenya. Day trips to geotouristic highlights are also available.

Please take note the 2<sup>nd</sup> Circular with more details will be released on the 15<sup>th</sup> December, 2024



*A section of Kenya's Standard Gauge Railway depicting its Engineering Geology magnificence.*

## **GENERAL INFORMATION**

### **Visas**

All visitors including infants and children who intend to travel to the Republic of Kenya must have an approved Electronic Travel Authorization (eTA) **before** the start of their journey.. For more information on visa requirements to visit Kenya, see <https://ctakenya.go.ke/en> . The secretariat will provide a letter of invitation for visa purpose to delegates who have paid the full registration fee.

### **Accommodation**

Information will be provided in the Second Circular.

### **Venue**

The venue for the CAG 30 will be at the Kenyatta International Convention Centre (KICC). The KICC is located in the City Square of Nairobi, the capital city of Kenya.

### **Currency of Kenya**

The Kenya Shilling (code: KES) is the official currency of Kenya. The US dollar can be used in paying for hotels and Entry at National Parks.

## **CAG30 CONTACT DETAILS**

Secretariat

The Geological Society of Kenya is the principal driving force behind the 30th Colloquium of African Geology – CAG30 and host the CAG30 Secretariat. Please direct all main enquiries to: [cag30info@cag30nbi.org](mailto:cag30info@cag30nbi.org) | [cag30.nbi@gmail.com](mailto:cag30.nbi@gmail.com)

### **ORGANIZATION AND COMMITTEES**

**Prof. Olugbenga Okunlola:** President

**Dr. Adama Sangare:** Secretary General

**Dr. Asfawossen Asrat:** Treasurer

**Prof. Prosper M. Nude:** Membership secretary

**Dr Daniel Kwayisi:** Editor/Information Officer

**Dr. Yao Agbossoumonde:** Vice President (West)

**Prof. Beneah Daniel Odhiambo:** Vice President (East)

**Prof. Nasrddine Youbi:** Vice President (North)

**Mrs. Anna- Karren Nguno:** Vice President (South)

**Dr. Bongwele Onanga Guyghens:** Vice President (Central)

**Mr Jean-Claude Ngaruye:** Councillor (East)

**Dr Kholoud Mohamed:** Councillor (North)

**Mr. Paulo Tanganha:** Councillor (South)

## Local Organizing Committee

The Local Organizing Committee (LOC) is comprised of the dynamic individuals from different organizations and institutions.

Joseph Kuria – Chair

Dr Christine Omuombo – Vice President GSK

Prof. Beneah Odhiambo – Vice president GSAf East African Region

Prof. Edwin Dindi – University of Nairobi

Professor Eliud Mathu – Southern University of Eastern Kenya

Alex Nyadigisi – Secretary GSK

Dr Anna Mwangi – Treasurer GSK

Charles Kithome – Makueni County

Cabb Otieno – Commissioner of Petroleum

Enock Kipseba – Director, Geological Survey

Evans Masachi – Office of the Head of Public Service

Chrispus Sang – Shanta Gold Kenya

Dr Lydia Olaka – Senior Council Member, GSK

Dr Samson Oiro – Vice Secretary, GSK

Edmond Makhanu – Senior Council Member, GSK

Hillary Koech – Vice Treasurer, GSK

Mike Karanja - Energy and Petroleum Regulatory Authority

Teopistor Sind - Senior Superintendent Geologist, Ministry of Mining

Dr Okoth Owour – Ministry of Water sanitation and Irrigation

Josky Kisali – State Department for Petroleum

Samuel Kamau - Regional Centre on Groundwater Resources Education, Training & Research

Eliud Wamwangi - Senior Consulting Geologist

## **SCIENTIFIC, DOCUMENTATION & TECHNICAL COMMITTEE**

Dr. Olaka – Lead, Lecturer at Technical University of Kenya  
Prof. Dindi- Lecturer at the University of Nairobi  
Prof. Zack Kuria – Lecturer at Technical University of Kenya  
Dr. Christine - Vice President GSK, Senior Lecturer at Technical University of Kenya  
Dr. Kanda - Geothermal Development Company  
Gladys Kianji - Lecturer at the University of Nairobi  
Godwin Mzumbi - Lead Consultant  
Teopistor Sind – Ministry of Mining, Blue Economy and Maritime Affairs  
Martin Nyakinye - State Department of Mining  
Charity Cheruiyot – EPRA  
Grace Nyokabi - State Department of Mining  
Stephen Okoth - Ministry of Water  
Collins Asseto - Head of Exploration in East Africa at Marula Mining

## **Other Committees**

SPONSORSHIP & EXPO COMMITTEE  
BUDGET & PROCUREMENT COMMITTEE  
PROTOCOL, SECURITY, ACCREDITATION & IMMIGRATION COMMITTEE  
BRANDING & PUBLICITY COMMITTEE  
PROGRAMME & CONTENT COMMITTEE  
CONFERENCE, VENUE, SERVICES & INTERPRETATION COMMITTEE

## **SECRETARIAT MEMBERS**

Alex Nyadigisi – Secretary GSK  
Dr Anna Mwangi – Treasurer GSK  
Dr Samson Oiro – Vice Secretary, GSK  
Hillary Koech – Vice-Treasurer, GSK